



# The Sizewell C Project

SZC Co.'s Response to the Secretary of State's  
Request for Further Information dated 18 March  
2022: Appendix 3 - The Drainage Strategy  
Part 6 of 12

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Revision: 2.0

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April 2022



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## **ANNEX 2A.9: SIZEWELL LINK ROAD PRELIMINARY DRAINAGE DESIGN NOTE**

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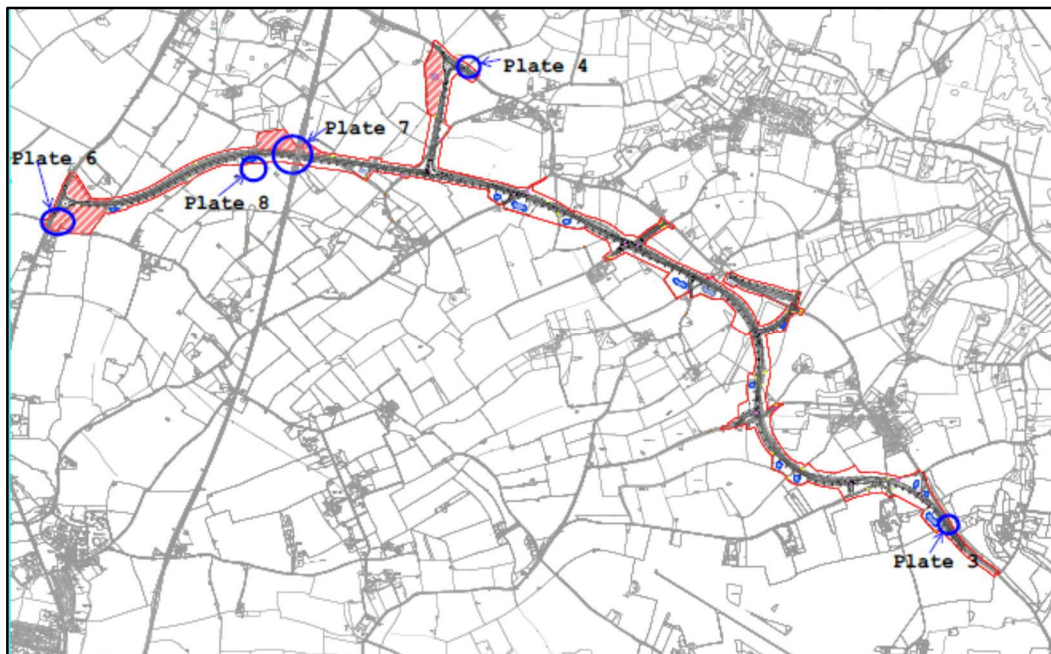
## 1 INTRODUCTION

1.1.1 NNB Generation Company (SZC) Limited (SZC Co.) submitted an application for a Development Consent Order (DCO) to the Planning Inspectorate under the Planning Act 2008 for the Sizewell C Project (referred to as the ‘Application’) in May 2020. The Application was accepted for examination in June 2020.

1.1.2 SZC Co. has undertaken work to validate and develop the design of the Sizewell link road that was originally submitted as part of the DCO application. This document forms one of a series of design validation and evolution documents being provided to the Examining Authority in support of the **Outline Drainage Strategy** [[REP2-033](#)].

1.1.3 The proposed development is one of the Sizewell C Project’s associated development sites; a permanent single carriageway road that would run 6.8km from the A12 just south of Yoxford in an easterly direction, joining the B1122 south of the town of Theberton. A large-scale plan showing the route of Sizewell link road is shown in **Plate 1**. The specific locations shown in subsequent plates are identified for convenience.

**Plate 1: Sizewell link road location and route**



1.1.4 The Sizewell link road would create a new route around the south of the villages of Yoxford, Middleton Moor and Theberton, helping to reduce the

amount of traffic on the B1122 during the peak construction phase of the Sizewell C Project.

1.1.5 The Sizewell link road will be designed to DMRB standards (**Ref.1.**) and Suffolk County Council's (SCC) adoptable standards (**Ref. 2.**). SCC adoptable standards take precedence.

1.1.6 The Sizewell link road will generate highway surface water runoff which will require to be removed, treated as necessary and disposed at a controlled rate of discharge.

1.1.7 The Sizewell link road will cross six watercourses at seven locations. Three local field ditch crossings have also been identified following a site visit in January 2021.

## 2 PURPOSE

2.1.1 The **Outline Drainage Strategy** [[REP2-033](#)] identified at concept level the proposed drainage approach required for:

- The effective removal of runoff from the proposed Sizewell link road highway and its disposal.
- The crossing of watercourses along the line of the Sizewell link road.

2.1.2 This strategy was developed in consultation with drainage regulators and local authorities, including SCC and the Environment Agency (EA). A number of workshops were held and the observations/requirements of drainage regulators were incorporated in the strategy.

2.1.3 The proposed drainage infrastructure was described in the concept drainage design submitted as part of the DCO application. This concept design was based on data and information available at that time. The design was supported by the submission of the **Sizewell Link Road Flood Risk Assessment (FRA)** [[APP-136](#)].

2.1.4 SZC Co. has subsequently developed the concept design to preliminary design stage. SZC Co. has also developed and updated the FRA with the submission of the **Sizewell Link Road FRA Addendum** [[REP2-026](#)].

2.1.5 The purpose of this technical note is to provide details of how the concept design has been modified in response to the new data, such that it continues to provide for the effective and satisfactory drainage of Sizewell link road, without unacceptable adverse impact on the water environment, both in terms of flood risk and pollution.



- 2.1.6 The content of this technical note summarises the design details and approach already shared in a series of design review meetings held with key stakeholders, including the EA and SCC.
- 2.1.7 This technical note was updated at revision 03 to include for new data that has become available, provide additional information and responses to points raised by SCC following their review during the DCO Examination Stage.
- 2.1.8 This technical note is updated at revision 04 to address comments raised by SCC following their review of revision 03. These are shown in Appendix F
- 2.1.9 It is intended that this updated drainage strategy and resultant drainage infrastructure will remain in accordance with the with the **Outline Drainage Strategy** [REP2-033] submitted to the Examining Authority. It is further intended that following consultation with the Lead Local Flood Authority, it will be submitted to and approved by East Suffolk Council.

### 3 DESCRIPTION OF DCO DRAINAGE CONCEPT DESIGN

- 3.1.1 The basic proposals for watercourse crossings were tested by hydraulic modelling as part of the Sizewell link road FRA and modified to mitigate any increase in flood risk due to the construction of the Sizewell link road and its associated side roads.
- 3.1.2 Based on available data at that stage, the concept design for the disposal of highway runoff was by infiltration to ground. However, it was not possible to undertake geotechnical investigation to confirm actual infiltration rates at that stage.
- 3.1.3 The concept design provided for traditional drainage at the A12 and B1122 Middleton Link roundabouts with a combination of highway gullies and combined kerb drains (CKDs) collecting runoff and discharging via carrier drains to infiltration basins where runoff would infiltrate to ground.
- 3.1.4 The required size of infiltration basins required for the roundabout runoff could not be accurately determined without validated infiltration rates. As a result, they were shown schematically and sufficient space within the red line boundary was provided.
- 3.1.5 Elsewhere on the main line of Sizewell link road and side roads drainage would be by “over the edge” with runoff flowing from the carriageway to be

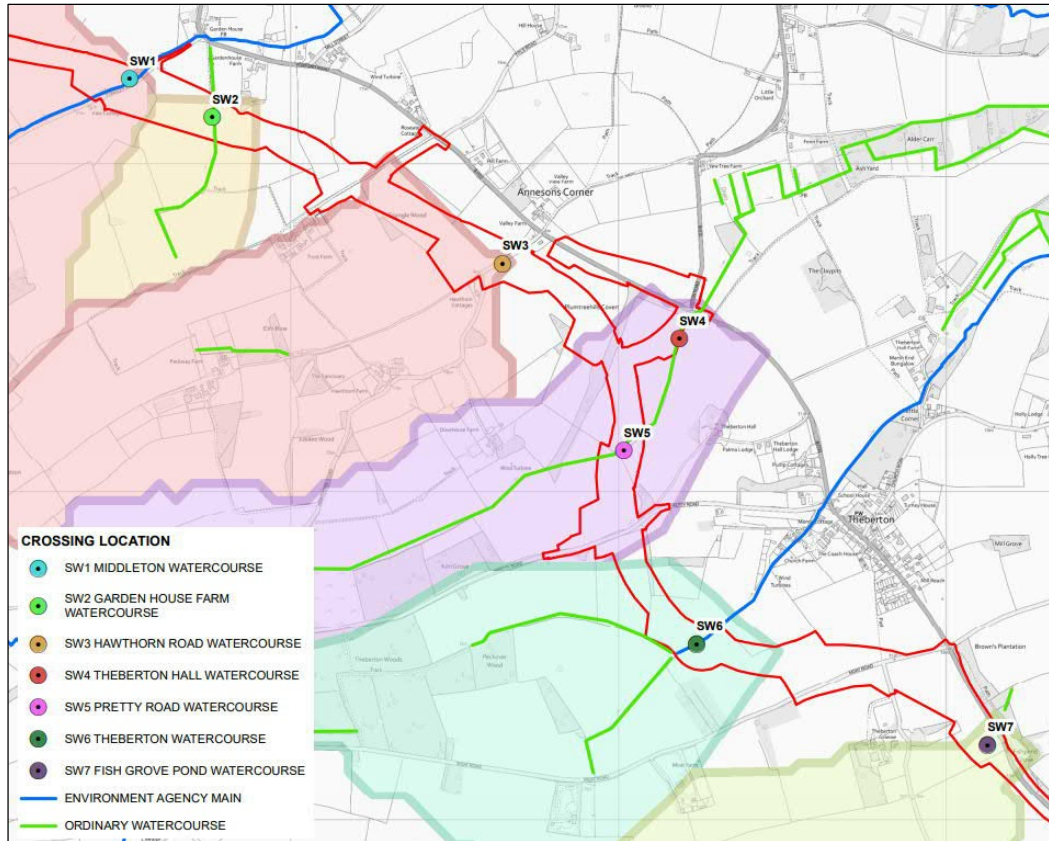
collected in swales. The swales were proposed to be 1 m wide, 0.5 m deep and have side slopes of 1 in 3.

- 3.1.6 Given the lack of validated infiltration rates the design included for the potential need for filter trenches in the base of the swale.
- 3.1.7 In addition, as back up to the swale/filter drain arrangement, a further allowance was made for 15 infiltration basins located along the line of Sizewell link road which would collect runoff not removed by the swale/filter drains.
- 3.1.8 Seven watercourse crossings were identified along the line of the Sizewell link road, numbered and named in the FRA as shown in **Table 1**. The location of these watercourses is shown in **Plate 2**.

**Table 1: FRA referenced DCO Concept Drainage Watercourse Crossings**

Crossing Number	Watercourse Number	Watercourse Name	Legal Status/Regulator
1	1	Middleton Drain	Main River EA
2	2	Garden House Farm Drain	Ordinary Watercourse SCC
3	3	Hawthorn Road Drain	Ordinary Watercourse SCC
4	5	Pretty Road Drain Leiston Road Crossing	Ordinary Watercourse SCC
5	5	Pretty Road Drain	Ordinary Watercourse SCC
6	6	Theberton Watercourse	Main River EA
7	7	Fishpond Grove Drain	Ordinary Watercourse SCC

**Plate 2: Watercourse crossing locations (from Sizewell Link Road FRA [APP-136])**

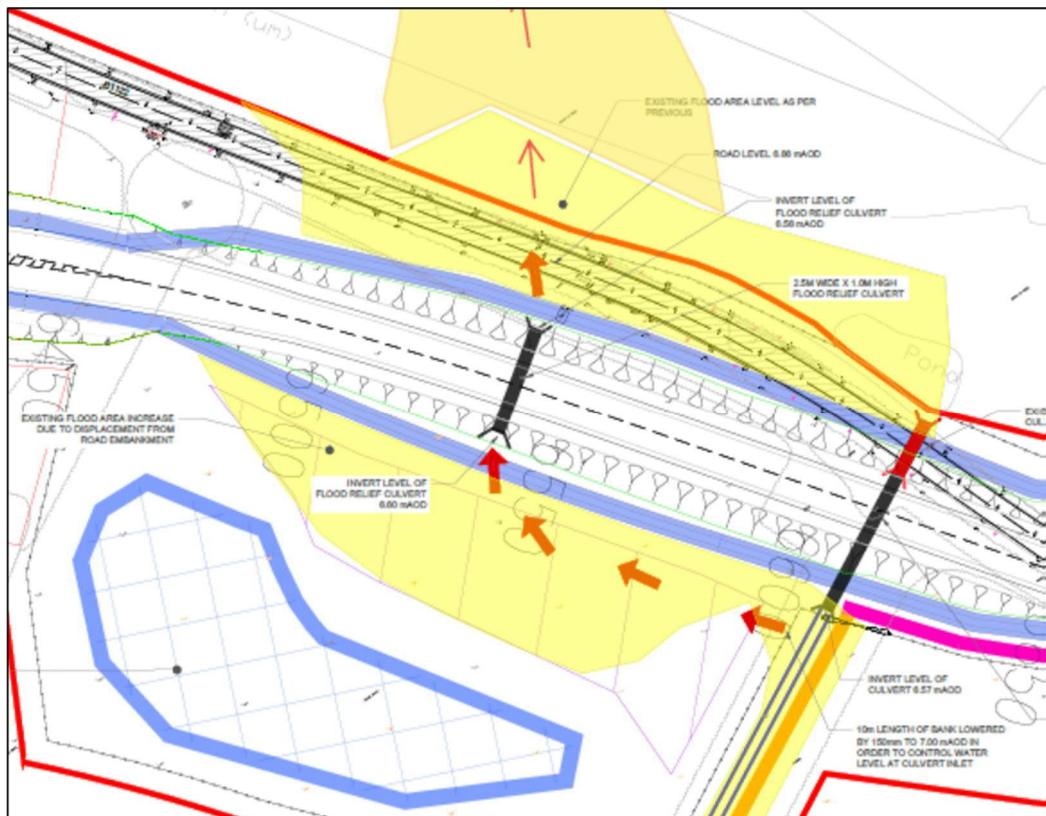


- 3.1.9 During development of concept design, it was established that there would be no change in road level or width required at crossing 4, the Pretty Road Drain beneath the B1122 near to the junction with the B1125 and link to Sizewell link road.
- 3.1.10 It was also determined that side road diversions for Fordley Road and Hawthorn Road would require to cross watercourse 1 – Middleton Drain and watercourse 3 Hawthorn Road Drain.
- 3.1.11 At its eastern end the Sizewell link road ties into the existing B1122 at the point where watercourse 7 – Fishpond Grove Drain crosses beneath the road in a 450 mm culvert. Since there was no open space between the existing road and Sizewell link road the need to extend the existing culvert rather than construct a new culvert was confirmed.
- 3.1.12 With the exception of watercourse 7 crossing, all other crossings were proposed to be formed by use of portal culverts. Portal culverts have no base and can be installed such that the watercourse channel and immediate banks can be left in a natural state.



- 3.1.13 Portal culverts of maximum available width of 5.5 m were tested for watercourse crossings 1, 2, 3, 5 and 6 by hydraulic modelling to confirm whether their size would be sufficient to ensure no unacceptable increase in flood risk to the watercourses and any adjacent property.
- 3.1.14 Watercourse crossings 2, 5 and 6 were predicted to create no adverse impact but watercourse crossings 1 and 3 were predicted to cause unacceptable increase in flood levels. Since the portal culvert width could not be increased, additional adjacent flood relief box culverts were proposed. These would be 2.4 m wide and 1.0 m high.
- 3.1.15 In the case of watercourse crossing 1 it was not possible to install a portal culvert under the side road due to levels and so following discussion with regulators, it was proposed that the watercourse be diverted to avoid the side road thus eliminating the need for the crossing.
- 3.1.16 Due to lack for level data, it was not possible to undertake hydraulic modelling of the watercourse crossing 7 existing baseline situation or with the extended length of culvert. However, it is apparent from the EA surface water flood map that an overland flow path routes water which overflows the bank to the west and then across the B1122. This is shown in **Plate 3**.

**Plate 3: Crossing 7 overland flow path**



3.1.17 The flow path is shown by red arrows with predicted extent shaded yellow. Since the line of Sizewell link road would block this flow path a flood relief culvert, 2.4 m wide and 1.0 m high, was proposed to pass through the Sizewell link road in order to allow the flow path to remain.

3.1.18 Based on available desktop information it was noted that local field boundary ditches may exist at three locations. These were shown on DCO drawings as requiring possible ditch culverts.

## 4 ADDITIONAL INPUT DATA

4.1.1 The preliminary drainage design has been developed based on the concept design but modified to take account of data which has become available since DCO submission.

4.1.2 The new data which informs the design is listed below:

- Drone topographic survey of Sizewell link road route
- Topographic survey of watercourses within and adjacent to red line boundary
- Aerial view from drone flyover
- Ground investigation and infiltration testing
- Ground penetrating radar (GPR) survey
- Additional traditional topographic survey of critical locations
- Site visit and inspection of parts of Sizewell link road route where land access was available on 13 January 2021
- Site visit and inspection of parts of Sizewell link road route where land access was available on 24 February 2021
- Sizewell Link Road FRA Addendum (Draft)
- Highways England Water Risk Assessment Tool (HEWRAT) (**Ref. 4.**)
- Hawthorn Road side road design change

4.1.3 The site visit covering the Sizewell link road extent between the A12 and the East Suffolk railway line was undertaken jointly with SCC.

- 4.1.4 The design development has also evolved through the Design Review meetings held with SCC and the EA. Comments and requirements confirmed by SCC and the EA have been recorded in minutes of the review meetings and taken into account.
- 4.1.5 The final draft preliminary design will be submitted to SCC as the intended adopting Highway Authority, to SCC as Lead Local Flood Authority and the EA. Any final comments can be addressed in the preliminary design drawings and reports, prior to issue as final design.

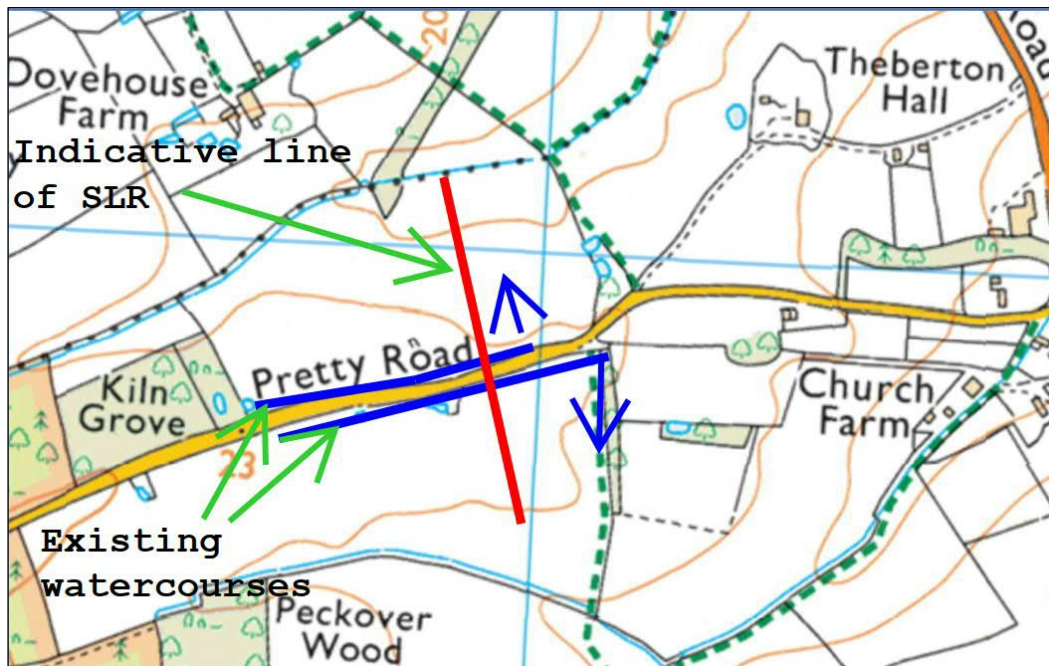
## 5 EXISTING WATERCOURSE ARRANGEMENTS UPDATE

- 5.1.1 Details of watercourses which are crossed and impacted by Sizewell link road are described in detail in the Sizewell Link Road FRA [[APP-136](#)] and the subsequent Sizewell Link Road FRA Addendum [[REP2-026](#)]
- 5.1.2 Following the site visits and review of survey data, additional details of existing local land drainage arrangements, not considered and included in the FRA, have been determined and are described below.
- 5.1.3 A minor ditch has been identified as shown in **Plate 6**. This is located next to the A12 to the immediate south of the proposed A12 roundabout. It receives highway runoff. No change to this ditch is required as a result of Sizewell link road construction.
- 5.1.4 Land drain ditches has been identified as shown in **Plates 7 and 8**. The ditch located near to the East Suffolk Railway and south of the line of Sizewell link road discharges into a 600 mm pipe at the railway boundary. Plans provided by the landowner show that the 600 mm pipe was laid in 2011 within railway land and runs south to discharge into the Middleton Drain immediately upstream of its crossing of the railway. No change to these ditches is required as a result of Sizewell link road construction. However, as described in Section 10 below, the potential discharge of highway runoff at controlled rate to the southern ditch is to be investigated at detailed design stage.
- 5.1.5 The presence of land drainage ditches crossing the line of Sizewell link road and shown as Land Drainage Culverts LD1, LD2 and LD3 has been confirmed. They will require culverting in order to maintain continuity of discharge. SCC suspect a further land drainage ditch crosses the line of Sizewell link road at chainage 950. If confirmed, this will also require culverting.



- 5.1.6 A culvert crossing of the B1122 road with a downstream ditch is confirmed in proximity to the proposed B1122 Middleton Link roundabout. This is shown in **Plate 5**. The culvert will be retained but a section of the downstream ditch will require to be culverted to accommodate the new farm access arrangements from the B1122 road
- 5.1.7 Minor ditches have been identified on either side of the private road which runs from the B1122 road to Trust Farm. These will be removed as they are within the footprint of the proposed road linking the B1122 with Sizewell link road.
- 5.1.8 Minor ditches have been identified on either side of Pretty Road and shown schematically in **Plate 4**. Sizewell link road crosses Pretty Road in a cutting and as a result will remove the outfall for these ditches.

**Plate 4: Pretty Road ditches impacted by Sizewell link road**



## 6 EXISTING HIGHWAY DRAINAGE ARRANGEMENTS

- 6.1.1 Sizewell link road will connect the existing roads at major junctions with the A12 and B1122 road and a number of local side roads. GPR surveys have been undertaken at these intersections and these have confirmed the very limited extent of formal highway drainage in the form of gullies and any outfall drains.

- 6.1.2 Potential overland flow paths for the existing roads have been assessed by site inspection to understand and allow for any interaction with Sizewell link road and its side road drainage.
- 6.1.3 In principle, it is not intended that overland flow is passed from Sizewell link road and its side roads onto existing roads or existing road drainage. Where overland flow from existing roads will run onto Sizewell link road and its side roads, this will be allowed for in the provision of new highway drainage.
- 6.1.4 Existing highway gullies are located on the section of A12 between the roundabout and Town Farm Lane. The existing highway drainage at this location will be replaced as part of the new drainage infrastructure.
- 6.1.5 Highway gullies will be provided at the tie in point to the north of the roundabout so that runoff from the Sizewell link road north spur will not pass forward onto the existing A12 road.
- 6.1.6 As shown in **Plate 5**, a culvert crossing of the B1122 is in place at a low point with a rising gradient in both directions well beyond the tie in point for the Middleton link roundabout. Currently overland flow runs to the low point and then via a drainage grip into the culvert. Highway gullies will be provided at the tie in points to intercept the overland flow and the existing highway impermeable area will be allowed for in design of the roundabout drainage.
- 6.1.7 At the junction of the B1122 road with the Trust Farm private road, highway gullies remove runoff from the road and discharge into an adjacent pond. The pond outfalls into a ditch which runs alongside the private road. Since the private road and ditch is removed by the new Trust Farm link road, this ditch will be connected into the new highway drain to maintain continuity of outfall.
- 6.1.8 Pretty Road drains to ditches on either side of the road via highway grips. Sizewell link road will sever the ditch outfalls. The ditches will be diverted to the south of the road and connected to the same watercourses but upstream of the current outfalls.

## 7 GROUND INVESTIGATION AND INFILTRATION TESTING RESULTS

- 7.1.1 Ground investigation and infiltration testing has been undertaken for the Sizewell link road scheme. Infiltration testing was undertaken in accordance with BRE365 at ten locations. Testing failed at nine locations and indicated a marginal result at one location. The results were shared

with SCC in October 2020. Following review by SCC it was agreed that infiltration is not viable for Sizewell link road.

## 8 POLLUTION ASSESSMENT POLLUTION MITIGATION MEASURES ASSESSMENT

8.1.1 As agreed with SCC and the EA prior to DCO submission, the environmental impact of discharging highway runoff is to be assessed using the Highways England Water Risk Assessment Tool (HEWRAT) (Ref. 4).

8.1.2 The assessment results confirm that a SuDS management train with the combination of swales, filter drains and attenuation basins, for the Sizewell link road discharges are low risk and therefore acceptable. SCC has indicated that they will wish to review the management train at detailed design stage and may wish to see provision of additional treatment stages.

8.1.3 The report containing the HEWRAT assessment is shown in Appendix A.

## 9 PRELIMINARY DRAINAGE DESIGN – HIGHWAY DRAINAGE EAST OF THE RAILWAY

9.1.1 As noted in Section 7, the results of geotechnical investigation demonstrate that it is not possible to remove highway runoff by infiltration to ground. The infiltration rate data has been shared with SCC who have agreed that infiltration is not achievable. Accordingly, it is proposed that highway runoff is removed and disposed by discharge to existing watercourses.

9.1.2 For the Sizewell link road and its side roads located to the east of the East Suffolk railway line there are watercourses to which discharge by gravity can be made. The watercourses are identified in **Table 1 / Plate 2**.

9.1.3 In the case of the Middleton Link roundabout on the B1122, there is no watercourse shown on available OS based plans. However, the EA Surface Water Flood Map shows a flow path across the B1122 in proximity to the proposed roundabout. As shown in **Plate 5**, a 750 mm culvert was found at this location crossing below the B1122 road during a site visit. This culvert discharges into a deep ditch to the north which discharges into a tributary of the Minsmere River. The culvert is at a low point on the B1122 and drains the carriageway via a gip. A significant field land drainage network also discharges upstream of the culvert.

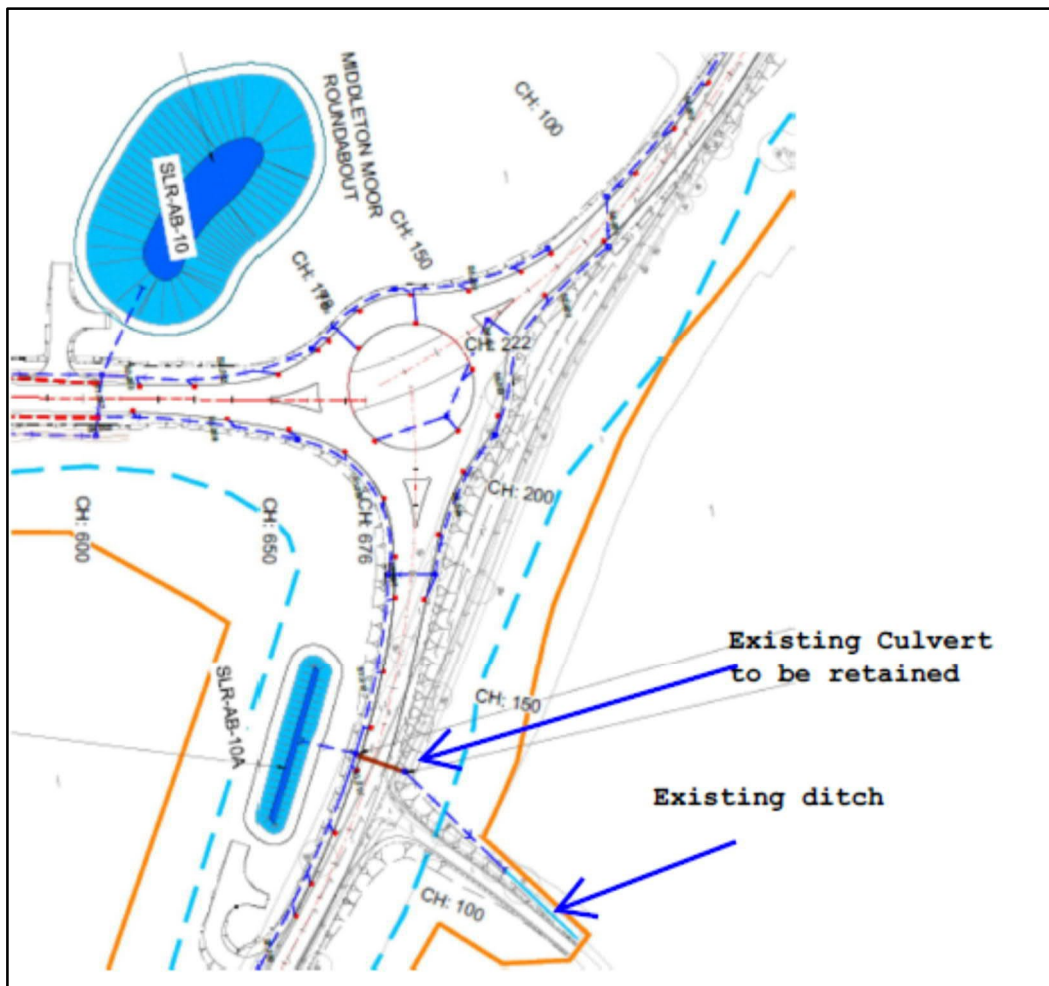
9.1.4 Given the extent of flows that currently discharge into the culvert, it is assumed that since the Sizewell link road drainage will replace the existing respective part of the B1122 runoff and the land drainage network,



discharge to the existing culvert and ditch at an attenuated flow rate of 5.0 l/s is acceptable.

- 9.1.5 The proposed drainage arrangement at the Middleton Link roundabout is shown in **Plate 5**. The proposed highway drainage for Middleton Link roundabout will remain unchanged with discharge to attenuation basin SLR-AB-10. The basin will also receive highway runoff from swales located on either side of the road, to the north of the link road crest point.

**Plate 5: Middleton link roundabout drainage outfall**



- 9.1.6 For Sizewell link road and all other side roads, the swale drainage and filter drains proposed will remain broadly as shown in DCO drawings. However, these will now provide a continuous outfall route to a watercourse.

- 9.1.7 Although in reality some removal of runoff will occur through limited infiltration, adsorption by vegetation and evaporation, as agreed with SCC, all drainage networks are designed and sized on the basis of no loss such that all highway runoff reaches and discharges into a watercourse.
- 9.1.8 In accordance with the hierarchy for disposal of highway runoff and to limit discharge so as not to increase flood risk, the discharge rate needs to be limited by flow control. This results in a requirement to provide temporary storage of runoff in the form of an attenuation basin adjacent to the watercourse.
- 9.1.9 In order to limit the size of these outfall attenuation basins and their inflow rate, upstream flow control points and offline attenuation basins are proposed along the line of the swales.
- 9.1.10 The number of basins required to attenuate the surface water runoff from the Sizewell link road will be reviewed further at the detail design stage and rationalised where possible.
- 9.1.11 Since the swales are no longer designed to infiltrate runoff, taking into account highway safety issues, their dimensions have been altered. When located in cutting or at level grade the depth of swale is reduced to 200 mm and the side slopes slackened to 1 in 5. This enables the requirement for the provision of vehicle restraint systems (VRS) to be avoided.
- 9.1.12 Swales at the toe of embankment will remain as proposed in the DCO design, at 0.5 m deep.
- 9.1.13 SCC guidance document “Sustainable Drainage Systems (SuDS) Appendix A” (**Ref. 3.**) states that where discharge to watercourse is accepted, flow rate should be limited to either  $Q_{Bar}$  or 2 l/s/ha whichever is the greater. However, since some Sizewell link road catchments are small this would result in a low permitted flow rate. Since the SCC guidance also requires a minimum flow control device opening of 100 mm, there is potential conflict between these requirements. Following liaison, SCC has agreed that a minimum controlled flow rate of 5 l/s could be accepted subject to evidence that it does not cause unacceptable increase in flood risk from the receiving watercourse.
- 9.1.14 Details of individual catchments, their gross areas and their flow rates set at 5 l/s flow rates for rainfall return periods of up to and including 1 in 100 years plus climate change are shown in **Table 2** below.

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**Table 2: Highway discharge points to watercourse**

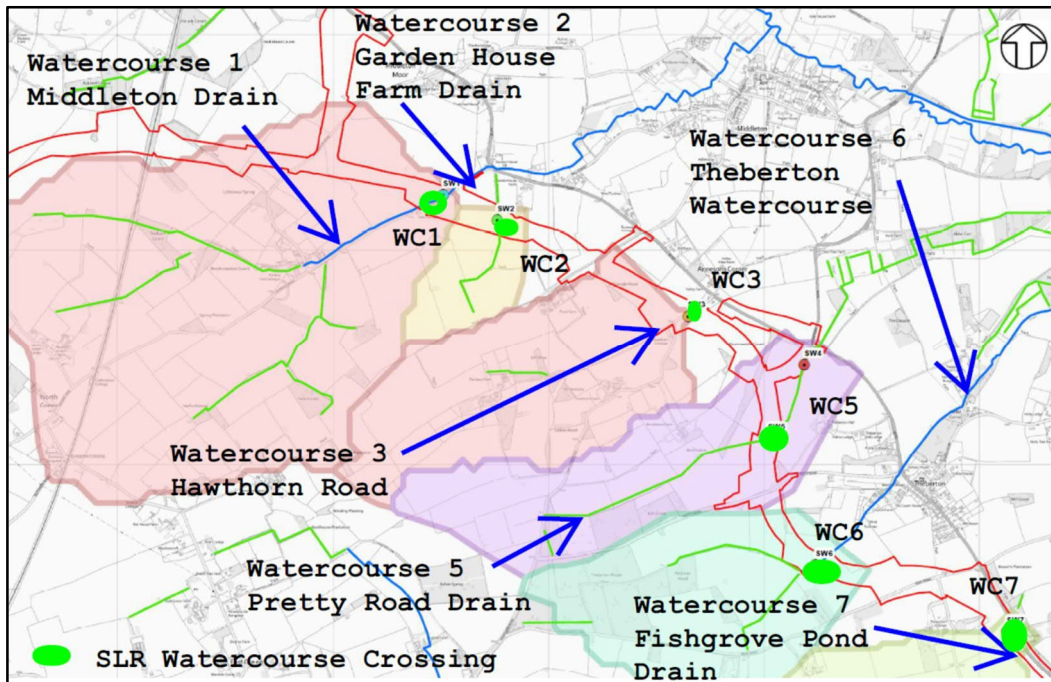
Receiving Watercourse	Outfall Basin ref	Catchment area gross (Ha)	Flow Rate @ 2 l/s/Ha	Proposed Flow Rate (l/s)
Unnamed watercourse west of A12 road	None	0.184	0.4	5.0
Unnamed watercourse north of B1122 Middleton Moor	SLR-AB-10	1.629	3.3	5.0
Watercourse 1 Middleton Drain	AB-13 west	14.809	29.6	5.0
Watercourse 1 Middleton Drain	SLR-AB-15 east	0.947	1.9	5.0
Watercourse 2 Garden House Farm Drain	SLR-AB-16 east	3.075	6.2	5.0
Watercourse 3 Hawthorn Road Drain SLR west	SLR-AB-20	2.888	5.8	5.0
Watercourse 3 Hawthorn Road Drain B1122 east	SLR-AB-21	3.885	7.8	5.0
Watercourse 5 Pretty Road Drain B1125 west	SLR-AB-25	2.299	4.6	5.0
Watercourse 5 Pretty Road Drain B1125 east	SLR-AB-26	1.027	2.1	5.0
Watercourse 5 Pretty Road Drain SLR west	SLR-AB-27	0.558	1.1	5.0
Watercourse 5 Pretty Road Drain SLR east	SLR-AB-30	1.834	3.7	5.0

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Receiving Watercourse	Outfall Basin ref	Catchment area gross (Ha)	Flow Rate @ 2 l/s/ha	Proposed Flow Rate (l/s)
Watercourse 6 Theberton Watercourse west	SLR-AB-32	2.605	5.2	5.0
Watercourse 6 Theberton Watercourse east	SLR-AB-33	1.772	3.5	5.0
Watercourse 7 Fish Grove Pond Drain	SLR-AB-37	4.651	9.3	5.0

9.1.15 The catchment extents determined as part of the FRA study are shown in **Plate 6**.

**Plate 6: Sizewell link road impacted local watercourse catchment extents [APP-138 Figure 4]**



9.1.16 Details of flow rates derived from the 2 l/s/ha criteria are included for information. Of the 13 outfalls, 7 would be required to attenuate to less than the 5 l/s. Although 6 outfalls could discharge at greater rate with the exception of the catchment discharging from the west into Middleton Drain,



the difference is limited. Accordingly, the design provides for a controlled flow rate of 5 l/s at each outfall.

- 9.1.17 In the case of the Middleton Drain catchment west, it is noted that the catchment includes for a pumped discharge for the Sizewell link road A12 roundabout and mainline across the railway at a flow rate of 5 l/s and thus the calculated 2 l/s/ha flow rate of 29.6 l/s is not applicable. As described in **Section 9** below, subject to further investigation the transfer of flow from the west of the railway may not be taken forward to detailed design if a subsequent gravity solution can be substantiated.
- 9.1.18 The impact of discharging each catchment into its respective watercourse has been assessed using the FRA Addendum individual watercourse hydraulic models, including for watercourse 7 (not previously modelled as part of the Sizewell link road FRA). As confirmed in the Addendum report there is no adverse impact of these flows on the watercourse's capacity nor unacceptable increase in flood risk.
- 9.1.19 During the site visit the presence of a field boundary ditch was confirmed. As confirmed with SCC where such ditches exist, they will be culverted beneath Sizewell link road such that their function remains intact. The ditch LDC3 is located at chainage 1750 m. SCC note that the Sizewell link road crosses the ditch at a skewed angle and would prefer the culvert to cross at right angles to minimise its length.
- 9.1.20 As agreed with SCC and the EA prior to DCO submission, the environmental impact of discharging highway runoff is to be assessed using the Highways England Water Risk Assessment Tool (HEWRAT) (**Ref. 4.**) methodology. The assessment results confirm that a SuDS management train with the combination of swales, filter drains and attenuation basins, for Sizewell link road discharges to watercourses are low risk and therefore acceptable. SCC has indicated that they will wish to review the management train at detailed design stage and may wish to see provision of additional treatment stages.
- 9.1.21 To undertake an assessment of the hydraulic or environmental impact of discharge into the deep ditch north of the B1122 at Middleton Link further survey work would be required during the detailed design stage.

## 10 PRELIMINARY DRAINAGE DESIGN – HIGHWAY DRAINAGE WEST OF THE RAILWAY

- 10.1.1 Desktop study identified no watercourse crossings by the Sizewell link road between the A12 roundabout and the East Suffolk railway line. As a result, the FRA does not include any hydraulic models for watercourse crossings

between the A12 roundabout and East Suffolk railway line. The FRA does confirm that this area forms part of the Middleton Drain catchment.

10.1.2 Following confirmation that infiltration is not possible the following options for removal of highway runoff have been considered:

- Swales and filter drains with additional oversized basins to contain the 1 in 100 year return period runoff volume plus follow on rainfall events
- Discharge to remote watercourses shown on OS maps either by gravity or pumping
- Discharge over the East Suffolk railway line by pumping to the catchment discharging to Middleton Drain
- Discharge to ground via deep boreholes into permeable strata

10.1.3 The options have been discussed with SCC as Highway Authority and LLFA.

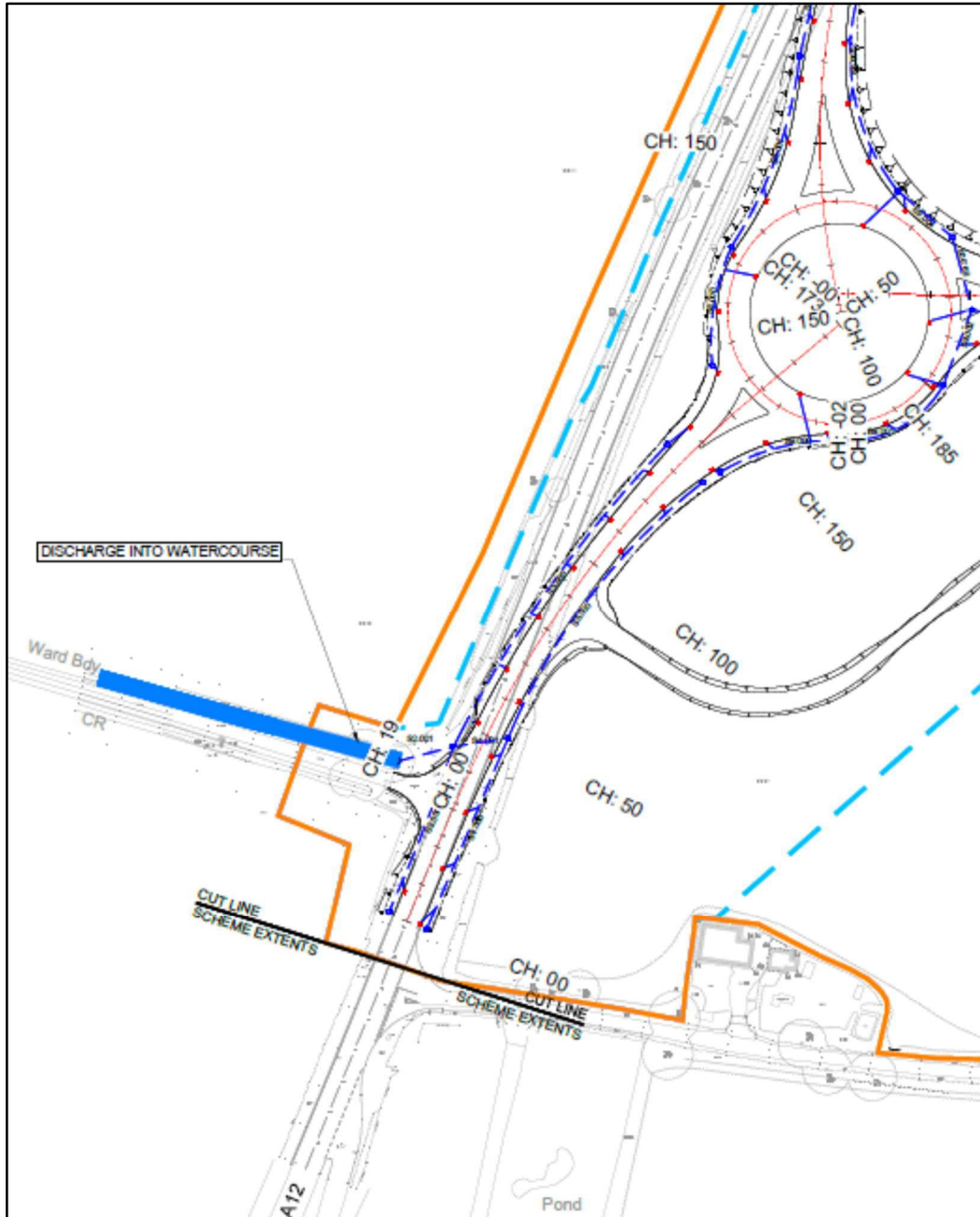
10.1.4 After consideration of the alternatives SCC has advised that the provision of oversized basins is not acceptable and that all drainage networks must have a positive outfall, to limit flood risk.

10.1.5 Following the joint SCC/WSP site visit on 13 January 2021 it is agreed that discharge west of the railway to the remote watercourses (within the red line boundary) to the north or south by gravity is not achievable. Since the alternative would be pumping, it is considered to be less disruptive to pump to the east of the railway and into the Middleton Drain west catchment compared to pumping to the remote watercourses.

10.1.6 SCC guidance document “Sustainable Drainage Systems (SuDS) Appendix A (**Ref.3.**)” states that deep borehole soakaways with depth greater than 2 m are considered not viable and will only be accepted as a last resort. Based on available geotechnical information the required depth of boreholes would be around 13 m and with uncertainty that suitable infiltration rates can be achieved this option has been discounted.

10.1.7 During the site visit and subsequently confirmed by the GPR survey, a small section of the existing A12 to the south of the roundabout was found to discharge to a deep ditch to the west of the road. It is proposed that the southern arm of the roundabout will be drained to this ditch using the same outfall point. The arrangement is shown in **Plate 7**. As shown in **Table 2**, the discharge rate will be controlled to 5 l/s.

Plate 7: Proposed highway drainage A12 roundabout southern arm



- 10.1.8 Based on the above considerations, the drainage of the A12 roundabout, its northern arm and the first portion of Sizewell link road arm will remain as a combination of highway gullies and combined kerb drains (CKDs) collecting runoff and discharging via carrier drains but the receiving infiltration basin changes to an attenuation basin SLR-AB-01.

- 10.1.9 In order to provide basin SLR-AB-01 an outfall as required by SCC, a small pumping station will be provided. This will pump at a rate of 5 l/s via a rising main which will discharge to a gravity network to the east of the Sizewell link road crest point at chainage 488 m.
- 10.1.10 The length of Sizewell link road from the A12 to chainage 488 m will drain in the same way as for the east of the railway with swale/filter drains and 2 supporting attenuation basins.
- 10.1.11 The length of Sizewell link road from chainage 488 m to the East Suffolk railway bridge will drain via swale/filter drains and discharge into a single attenuation basin SLR-AB-05 at chainage 1200 m. The attenuation basin SLR-AB-05 will discharge into a pumping station which will pump at a rate of 5 l/s via a rising main discharging into a gravity network to the east of the railway bridge and ultimately to Middleton Drain.
- 10.1.12 The rising main will be attached to the bridge structure when crossing the railway.
- 10.1.13 The Sizewell link road will have longfall and crossfall gradients as it crosses the railway bridge from east to west. Deck CKDs will be provided to remove runoff and they will outfall into the swales to the west.
- 10.1.14 During the site visit the presence of two field boundary ditches was confirmed. These ditches are heavily silted and in poor state of maintenance. It is not clear as to whether they drain effectively or if they have a formal outfall. However, as confirmed with SCC where such ditches exist, they will be culverted beneath Sizewell link road such that their function remains intact. The ditches LDC1 and LDC2 are located at chainage 250 m and 750 m. SCC note that the Sizewell link road crosses the ditches at a skewed angle and would prefer the culvert to cross at right angles to minimise its length.
- 10.1.15 SCC also suspect the presence of a ditch at chainage 950 m. If confirmed, this will also be culverted.

## 11 PRELIMINARY DRAINAGE DESIGN – WEST OF THE RAILWAY (GRAVITY OPTION ALTERNATIVE)

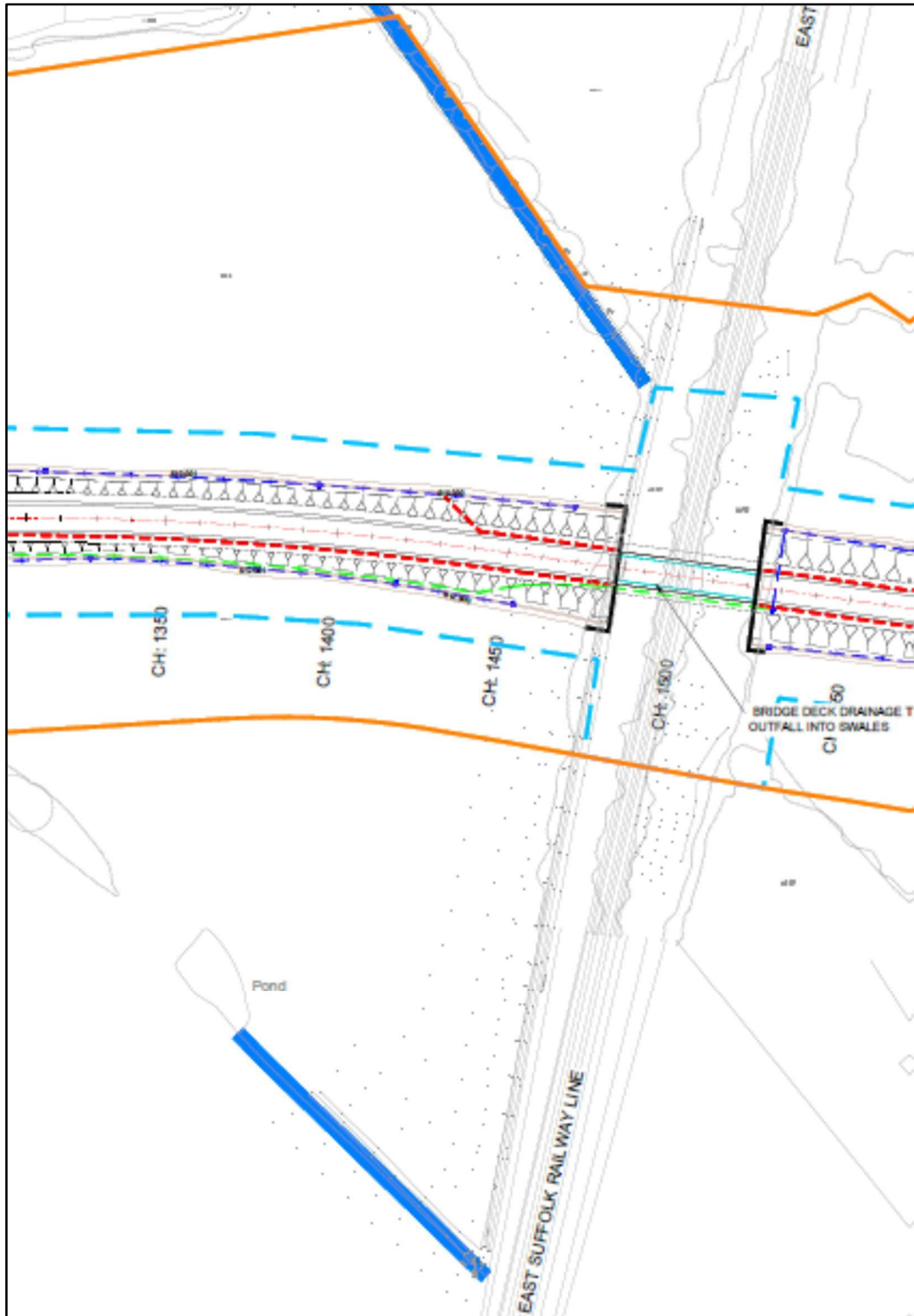
- 11.1.1 During the site visit on 13 January 2021, the presence of a shallow local ditch was discovered approximately 40 m to the north of Sizewell link road, adjacent to the East Suffolk railway boundary. This ditch follows a field boundary running northwest and is shown blue in **Plate 8**. It is in a state of dereliction and would not be suitable as an outfall for Sizewell link road drainage. However, it does discharge into a watercourse, not shown on OS



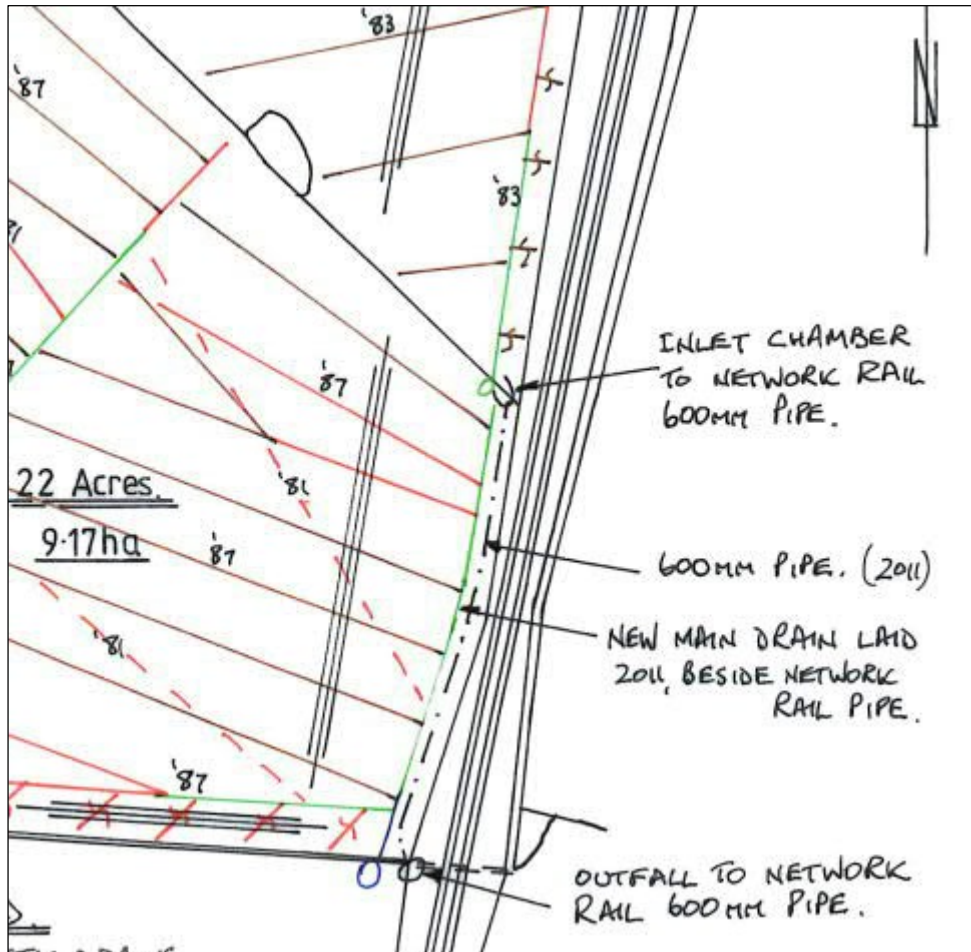
mapping, approximately 250 m north of Sizewell link road which runs north and which subject to confirmation of levels could be a suitable gravity outfall.

- 11.1.2 Similarly, to the south of the proposed Sizewell link road route a deep excavated field boundary ditch was discovered, approximately 200 m south, continuing in a southeast direction to a headwall with a 600mm outfall pipe. This ditch is also shown blue in **Plate 8**. Unverified plans provided by the landowner, show the 600mm pipe continues southwards within the railway at the base of the cutting before discharging into the Middleton Drain. An extract is shown in **Plate 9**.

**Plate 8: Local watercourses to north and south of Sizewell link road adjacent to East Suffolk Railway**



**Plate 9: Local watercourse south of Sizewell link road outfall through East Suffolk Railway land**



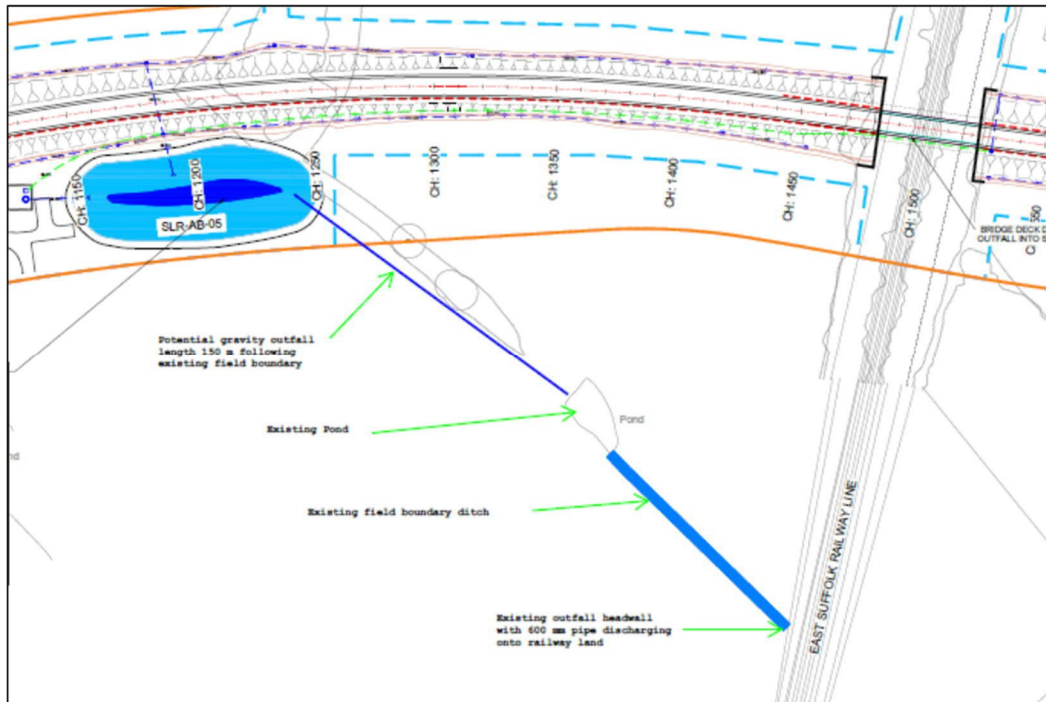
- 11.1.3 Based on site observation it appeared that there are general falls in land from Sizewell link road towards these watercourses. It was agreed that subject to confirmation of ground levels that it may be possible to connect to either the watercourse or ditch and obtain a gravity outfall.
- 11.1.4 As can be seen in **Plate 8** both the watercourses and ditch are located outside of the DCO boundary limits shown orange. Although connection to the watercourses would not be within the DCO limits, in accordance with the SCC required hierarchical approach, before SCC acceptance of a pumped outfall, it is to be established first whether a gravity connection is achievable.
- 11.1.5 A topographic survey of the area along the potential outfall route has been undertaken. This confirms that the bed level of the watercourse to the north is at a level of 33.66 mAOD. The invert level of the 750 mm outfall drain to

the south is at a level of 34.84 mAOD. Sizewell link road is on an embankment above existing ground level which is at level of 37.8 mAOD in proximity to the railway boundary. As observed during the site visit these levels do confirm a fall in ground level both to the north and to the south.

- 11.1.6 Given that infiltration of highway runoff to ground is not possible, it is necessary for the filter drain pipe to have a falling gradient in order to remove runoff to an outfall point for removal, whether by gravity or pumping. The distance from the crest point at chainage 488 m to the railway boundary at chainage 1480 m is 992 m. Attenuation basin SLR-AB-05 which receives runoff from this section of Sizewell link road is located at chainage 1200 and collects runoff from both east and west. It is kept clear of the railway which is in cutting.
- 11.1.7 In order to provide the required continuous falling gradient, the basin bed level is fixed at 36.329 mAOD.
- 11.1.8 If an outfall is provided to the northern watercourse following Sizewell link road and field boundaries, its distance would be approximately 510 m. Given a need for a falling gradient and for the drain to have self-cleansing velocity a gradient of 1 in 150 is assumed. This would result in a fall of 3.4 m with an outfall level of 32.929 mAOD approximately 0.73 m lower than the watercourse.
- 11.1.9 If an outfall is provided directly from the basin to the northern watercourse, the distance reduces to 300 m. This would result in an outfall level of 34.329 mAOD which is 0.67 m above the watercourse.
- 11.1.10 If an outfall is provided to the southern ditch following Sizewell link road and field boundaries, its distance would be approximately 460 m. This would result in a fall of 3.4 m with an outfall level of 33.262 mAOD approximately 1.58 m lower than the ditch.
- 11.1.11 If an outfall is provided directly from the basin to the southern ditch outfall, the distance reduces to 300 m. This would result in an outfall level of 34.329 mAOD which is 0.51 m below the ditch.
- 11.1.12 However, in reviewing a direct route, it is noted that the southern outfall would be able to discharge into an existing pond rather than extend to the 600 mm outfall drain. With discharge into the pond the invert level at outfall would be 35.329 mAOD, approximately 0.49 m above the outfall drain. The pond is at the upstream end of the ditch. This arrangement is shown in **Plate 10**.



**Plate 10: Proposed gravity outfall to local pond and ditch south of Sizewell link road adjacent to East Suffolk Railway**



- 11.1.13 Of all of the alternatives, discharge via an outfall from the basin to the existing pond would have the minimum impact on land use since it would follow a field boundary and be the shortest distance. Whilst no levels are available for the pond, it was noted to be fairly deep during the site visit. Further topographic survey will be undertaken to confirm the level of the pond.
- 11.1.14 During liaison, SCC has confirmed that subject to the Sizewell link road being adopted as public highway, they would, if necessary, accept the use of pumping stations provided that it can be demonstrated that no practical gravity solution is available. On the basis that all attenuation basis and highway networks must have an outfall, it is necessary to provide a pumping station at the A12 roundabout from basin SLR-AB-01. However, if an outfall can be provided from attenuation basin SLR-AB-05 discharging via the pond and ditch, this would eliminate the need for a second pumping station and rising main across the railway discharging into the Middleton Drain west catchment.
- 11.1.15 SCC has advised that for any discharge to watercourse to be accepted, it is necessary to demonstrate that:

- the proposed rate of discharge to the watercourse will not result in increased flood risk
- the proposed discharge will not adversely impact on water quality
- there is continuity of downstream discharge route providing a guaranteed outfall

11.1.16 On the basis of currently available data, it is believed that that the SCC stated requirements can be met, whilst acknowledging that further data will be required to confirm this position.

11.1.17 The preliminary design solution proposed was completed subsequent to the finalisation of the **Sizewell Link Road FRA Addendum [REP2-026]**. The flood risk impact of the proposed discharge rate at this location requires to be confirmed formally in a future update to the FRA, but sensitivity testing in the hydraulic model has demonstrated that there is no resulting impact on properties.

11.1.18 Accordingly, whilst continuing to propose a drainage solution with a pumping station for the catchment to the west of the railway to ensure a reliable solution for the DCO application, with discharge to the east of the railway, the solutions to connect to the local watercourses will continue to be progressed through the design stages following further surveys such that if it can be demonstrated a gravity outfall option can be substantiated it will be substituted in preference of a pumped solution in accordance with the hierarchical approach required by SCC.

11.1.19 The proposed outfall is not located within the DCO red line boundary. Accordingly, SZC Co. has submitted a DCO red line boundary amendment into consultation which incorporates the land required for this outfall.

## 12 UPDATED PRELIMINARY DRAINAGE DESIGN

12.1.1 Both SCC and the EA have reviewed the preliminary drainage design both during design review meetings and subsequently in advance of Examination. Their comments have been considered and discussed in joint meetings. As a result of these discussions the preliminary drainage design will be subject to modification at detailed design stage, such it will address the comments and be acceptable to SCC and the EA. Details of the agreed modifications and design development are described in **Sections 12 and 13**.

12.1.2 The agreed modifications do not change the principles contained in the **Outline Drainage Strategy [REP2-033]**.

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## 13 MITIGATION FOR LOSS OF WATERCOURSES & ECOLOGICAL ENHANCEMENT

- 13.1.1 During joint liaison both the EA and SCC identified concerns regarding the impact of Sizewell link road and its side roads on local ecology, habitat and biodiversity, associated with the water environment. Although it is accepted that by use of portal culverts will allow retention of existing mammal migration routes, through shading there will be an impact on vegetation and the aquatic environment. As such the EA consider that the culverts represent a loss of watercourse. The diversion of the Middleton Drain at Fordley Road will also result in the loss of a section of the existing watercourse.
- 13.1.2 It has been agreed that there must be no net loss of total length of watercourse as a result of Sizewell link road construction. SZC has committed to this in an update to Requirement 22 of DCO report [\[REP5-027\]](#) provided at Deadline 6. Following assessment, it is estimated that there will be a total loss of 511 m of watercourse due to culverting and diversion. However, a total additional length of 900 m will be constructed and this represents a net increase of 389 m of watercourse.
- 13.1.3 It has also been agreed that the new watercourses should be designed to produce the appearance of a natural watercourse in order to mitigate habitat loss and maximise biodiversity.
- 13.1.4 SCC have also advised that they would like to see landscaping and habitat improvement to maximise biodiversity, incorporated in the design of highway drainage which is to be offered for adoption. SZC has committed to wetland creation in its Biodiversity Net Gain Report for Sizewell link Road [\[REP5-090\]](#).
- 13.1.5 Details of the calculation of net change in watercourse length is provided in **Appendix A**. This also provides details of how the preliminary design will be developed at detailed design to incorporate landscaping and habitat improvement to maximise biodiversity both in watercourses and highway drainage infrastructure.

## 14 DEVELOPMENT OF HIGHWAY DRAINAGE AT DETAILED DESIGN

- 14.1.1 The preliminary drainage design has been undertaken in accordance with document SZC-AD0310-WSP-SLRHGN-ZZ0000-REP-HCH-3000002 Sizewell Link Road Drainage Design Principles. This document was submitted to SCC in order to ensure that the design would meet their

requirements for adoption. Following a high level review SCC provided a response by email dated 29 September 2021.

- 14.1.2 In this response SCC advised that it was not possible to provide a detailed response covering all aspects prior to Examination but the following headline comments covering key points were provided

**SLR Design Principles**

*I haven't reviewed this in great detail as I think it goes into more specifics than we need at this stage of the DCO, but it does miss some important aspects of design assumptions which we consider are important for this stage*

*Other design criteria for basins such as basin depths, water depths, side slopes, freeboard, maintenance widths, level benches etc have not been listed*

*Modelling of 24-hour pump failure not mentioned*

*Comments made by Steve Merry on location of swales at top or bottom of embankment*

*Basic basin and swale principles need to be agreed at this stage, but we'll need to revisit these comprehensive principles as part of detailed design. For example, how does water get from swale into carrier drain? Not shown on section? Depth of swale will likely require overflows for larger/exceedance rainfall events*

*Not sure Steve will be too keen on the 1:1 'V' ditch for intercepting overland flows, but will leave that for him to comment on – pleased to see it modelled though*

**Calculations**

*General note, all basins have been modelled surcharged. This is a conservative approach that SCC supports. However, it means that water levels in the design event without surcharge are not known. Happy to work off the water levels used in this worst-case scenario and address the other points at detailed design, but this will mean some basins may be viewed as not being compliant with SCC design requirements when they may be compliant when modelled with an outfall. This approach also doesn't help to identify half drain times which for SLR-AB-13 at least, are unlikely to be met.*



- 14.1.3 The preliminary design hydraulic calculations were undertaken to establish the number and size of attenuation basins required and to demonstrate that there is sufficient space within the red line boundary to accommodate them.
- 14.1.4 The design principles state that the basin side slopes are to be typically between 1 in 3 and 1 in 4, horizontal to vertical. The desirable maximum depth of water is to be 1.0 m due to a 1 in 100 year return period rainfall event plus 40% climate change. However, at preliminary design, in accordance with the SUDS Manual (**Ref. 5.**), higher levels have been permitted. The location, initial shape and performance of each basin at preliminary design is shown in **Appendix D** in one location for review, as requested by SCC.
- 14.1.5 It should be noted that the depth of the basins is set in order to provide a gravity drainage network rather than to provide the required storage volume.
- 14.1.6 In an email dated 1 October 2021, SCC have confirmed that their SUDs guidance document (**Ref. 3.**) is being updated and will align with (**Ref. 5.**) The maximum permitted depth of water during a 1 in 100 year return period rainfall event plus 40% climate change is to be increased from 0.5 m to 1.0 m. This email also confirms that SCC will require a level berm to be provided at 600 mm above the base of the basin such that in the event of anyone entering the basin during temporary storage of water then the maximum initial depth of water is limited to 400 mm.
- 14.1.7 At detailed design, hydraulic modelling will be updated and optimised to include for the provision of berms at 600 mm depth and comply with the 1.0 m maximum depth requirement. It can be seen from the basin plan extracts shown in **Appendix D** that there is additional available space should basin footprints require to increase in size. The detailed design will also include for SUDs features such as forebays.
- 14.1.8 In the event that for any individual basin, there is a requirement for additional space that is not available, the shortfall can be made good by changing the size of carrier drains or increasing the size of other basins.
- 14.1.9 SCC have noted that the design of the basins will be revisited as part of detailed design and there is space to increase basin sizes, but that isn't the case for all basins (SLR-AB-09). Some basins also have insufficient freeboard, some only just short (SLR-AB-37) and some very short (SLR-AB-10a & SLR-AB-26). SCC have confirmed that they do not require any further changes at this time but request that their comments be noted for future design iterations.

- 14.1.10 SCC have also requested that the hydraulic model calculations which validate the data in **Appendix D** are included in this update for convenience. These calculations were originally provided in the preliminary design SLR Hydraulic Modelling Report. This was reviewed by SCC and their comments were received in an email dated 29 September. The comments are to be taken into account at detailed design hydraulic modelling. The hydraulic model results for each SLR catchment are shown in **Appendix C**. Network catchments with labels used in modelling are shown in **Appendix E**.
- 14.1.11 The purpose of the network catchment plans is to assist in review of hydraulic calculations. The network catchment plans also include data on basin performance. This basin performance data is superseded by the data contained in the updated hydraulic modelling shown in **Appendix C** and basin plan and performance details contained in **Appendix D**. In consequence and as noted by SCC, there are some discrepancies and thus basin performance data contained in **Appendix E** is to be discounted.
- 14.1.12 Following completion of drainage design, it has been necessary to make changes to highway alignment and levels in the area of the proposed junction of the B1122 with the B1125. These changes have an impact on levels for the outfall from basin SLR-AB-25. In addition to the optimisation of drainage at detailed design, this catchment design will require modification to accommodate the revised highway design.
- 14.1.13 The DCO concept design provided for collection of highway runoff in swales to be provided adjacent to the road. The preliminary design follows the DCO concept but with the swale cross section for the road in cutting or at level grade modified with the depth of swale reduced to 200 mm and the side slopes slackened to 1 in 5, enabling any requirement for the provision of vehicle restraint systems (VRS) to be avoided.
- 14.1.14 Swales at the toe of embankment remained as proposed in the DCO design, with a width of 500 mm, depth of 0.5 m with 1 in 3 slopes.
- 14.1.15 As a result of preliminary design development, SCC raised concerns regarding the “over the edge” drainage of highway runoff, down embankments. Informal drain (over the edge) is defined as “An arrangement where surface water flows off the carriageway and across the verge to a drainage system, usually a ditch”.
- 14.1.16 Although such drainage is approved in accordance with DMRB CG501, Table 3.4 advises it may not be suitable where embankments are constructed of clayey or silty soil, or have a height greater than 1.0 m, or a slope steeper than 1:3 (33%).

- 14.1.17 SZC has provided more information on how measures would be provided to minimise the risk of erosion of the embankment due to overland flow thus mitigating the height concerns. SZC also responded to SCCs query regarding the nature of the fill material to be used to construct the embankment. SZC confirmed that the precise content or composition of material used to fill the embankments can't as yet be confirmed. However, since it is intended that material excavated from cuttings will be used to fill the embankments it is likely that the material will be relatively cohesive.
- 14.1.18 Following SCC review of the information, a meeting was held with SZC on 20 January 2022 to consider options. Following discussion SCC confirmed that that for embankments, “over the edge drainage will not be acceptable given the likely nature of the fill material and concerns regarding the height of embankments. The alternatives of kerb and gully, concrete channel or channel drain were discounted since they would introduce urban features into a rural area. The use of filter drains was considered but there is a risk of leakage into the embankment which could soften, particularly if the material is cohesive.
- 14.1.19 The agreed conclusion is that a suitably engineered filter drain is to be provided in the verge at embankment crest to remove “over the edge” runoff. The filter drain is to be designed to include an impermeable liner to prevent egress of water into the surrounding fill material.
- 14.1.20 SCC also confirmed that the narrow fin drains provided to drain the road construction sub-base can be discharged into the filter drain.
- 14.1.21 The filter drain is to be provided with carrier drain outfalls at regular intervals which will discharge into the swale at the toe of the embankment. This arrangement will ensure that the filter drain sizes will not increase and that discharge into swales will ensure that treatment of the runoff in accordance with the HEWRAT assessment is provided. Swales shown in preliminary design will be retained.

## 15 VALIDATION OF OUTLINE DRAINAGE STRATEGY

- 15.1.1 In accordance with the drainage hierarchy, the **Outline Drainage Strategy** [REP2-033] proposed the primary use of infiltration, with additional use of attenuation techniques (e.g. ponds and swales) to manage water quality and to further promote infiltration. The strategy acknowledged the need for discharge to watercourse where infiltration rates were insufficient to support a primarily infiltration-led approach.
- 15.1.2 The approach in the **Outline Drainage Strategy** [REP2-033] is validated by the completed preliminary design, which has demonstrated that

infiltration is not applicable and proposes the attenuated discharge of water to watercourses.

- 15.1.3 The preliminary design documents will be made available for review and acceptance by SCC and the EA with respect to potential adoption of the Sizewell link road by SCC and for required regulatory consents.

## 16 SUMMARY AND CONCLUSION

- 16.1.1 The purpose of this technical note is to provide details of how the design has needed to evolve and develop as a result of provision of new information. The primary cause of change has been that following the completion of ground investigation works, the assumption that the primary means of removal and disposal of highway surface water runoff by infiltration to ground has been discounted. The alternative of discharge at controlled rates to watercourse, as an alternative has been discussed with SCC and the EA in liaison and through design review meetings.
- 16.1.2 The primary reason for updating the original DCO submitted FRA was to address the concerns expressed by the EA with regard to the extent of hydraulic modelling of the Sizewell link road culvert crossings. The extent and accuracy of modelling has been enhanced following the obtainment of watercourse surveys both upstream and downstream of crossing points.
- 16.1.3 Following the change with discharge of highway runoff to watercourse at a flow rate of 5 l/s per outfall, the FRA hydraulic modelling was used to test and demonstrate the insignificant impact of these direct flows on flood risk in the watercourses.
- 16.1.4 The highway drainage has been designed in accordance with Design Manual for Roads and Bridges, the CIRIA SuDS Manual C753 (Ref. 4.) and to comply with stated requirements of SCC contained in their SuDS Local Design Guide Appendix A.
- 16.1.5 At this preliminary design stage, it is considered that the design provides for the effective removal, treatment and disposal of highway surface water runoff without adversely increasing flood risk to or from watercourses or impacting on third parties. Discharge to watercourse would not adversely impact on water quality. The flood risk performance of the highway is as specified in DMRB and SCC guidance.



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## REFERENCES

1. Design Manual for Roads and Bridges and Manual of Contract Documents for Highway Works Series 500 Highways England 2000, <http://www.standardsforhighways.co.uk/ha/standards/dmrb>
2. Design Guide, Suffolk County Council, 2000, <https://www.suffolk.gov.uk/planning-waste-and-environment/planning-and-development-advice/suffolk-design-guide-for-residential-areas/>
3. Sustainable Drainage Systems (SuDS) a Local Design Guide Appendix A to the Suffolk Flood Risk Management Strategy, Suffolk County Council, May 2018 <https://www.greensuffolk.org/app/uploads/2021/05/2018-10-01-SFRMS-SuDS-Guidance-Appendix-A-.pdf>
4. Highways Agency et al. (2009). Volume 11, Section 3, Part 10: Road Drainage and the Water Environment, LA113. <http://www.standardsforhighways.co.uk/ha/standards/dmrb/vol11/section3/hd4509.pdf>
5. The SUDs Manual (C753), CIRIA, 2015, ISBN 978-0-86017-760-9.

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## APPENDIX A: SIZEWELL LINK ROAD – MITIGATION FOR LOSS OF WATERCOURSES & ECOLOGICAL ENHANCEMENT

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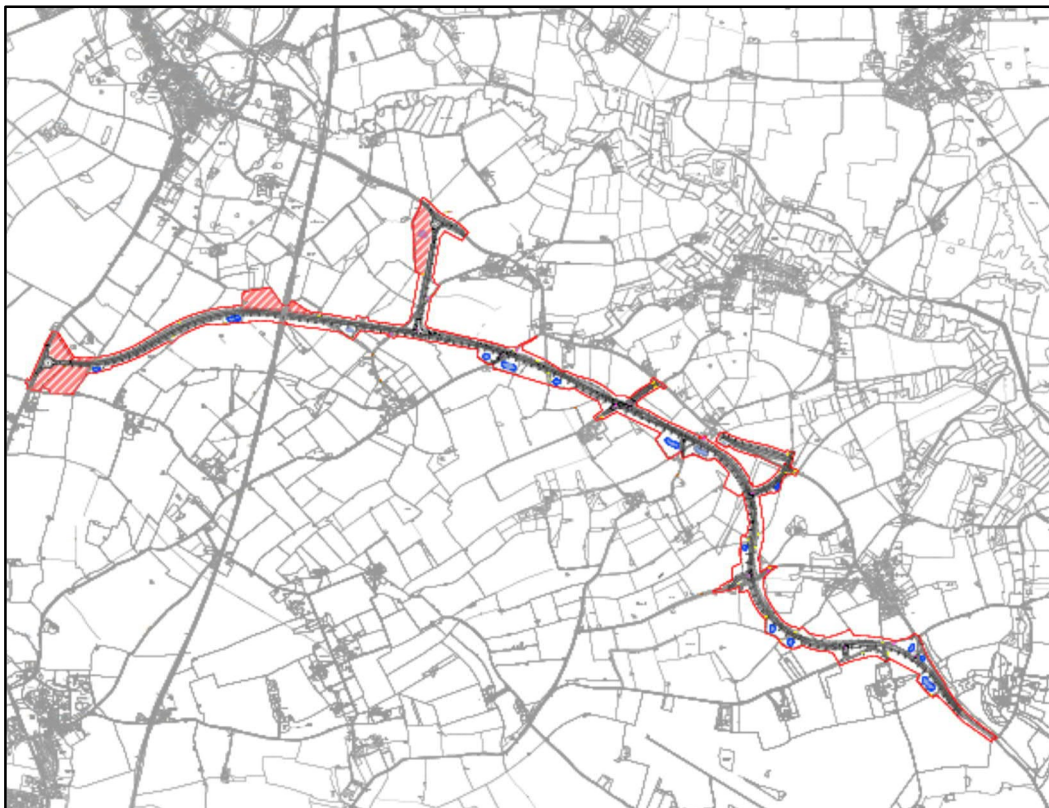
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## 1 INTRODUCTION

- 1.1.1 NNB Generation Company (SZC) Limited (SZC Co.) submitted an application for a Development Consent Order (DCO) to the Planning Inspectorate under the Planning Act 2008 for the Sizewell C Project (referred to as the ‘Application’) in May 2020. The Application was accepted for examination in June 2020.
- 1.1.2 SZC Co. has undertaken work to validate and develop the design of the Sizewell link road that was originally submitted as part of the DCO application. This document forms one of a series of design validation and evolution documents being provided to the Examining Authority in support of the **Outline Drainage Strategy** [REP2-033].
- 1.1.3 The proposed development is one of the Sizewell C Project’s associated development sites; a permanent single carriageway road that would run 6.8km from the A12 just south of Yoxford in an easterly direction, joining the B1122 south of the town of Theberton. A large scale plan showing the route of Sizewell link road is shown in **Plate 1**.

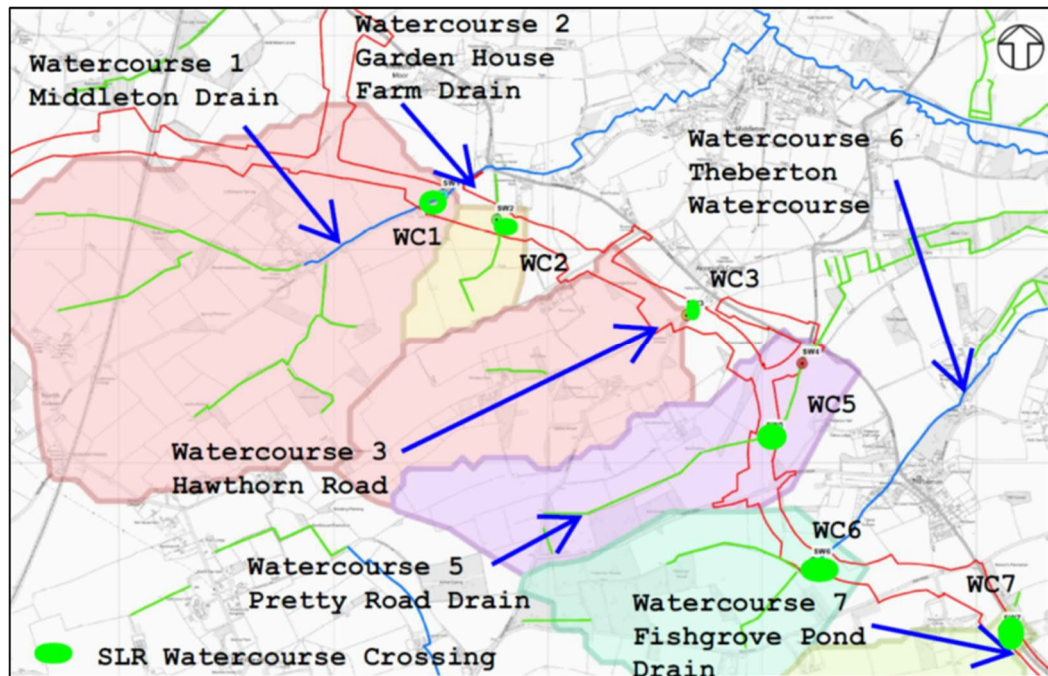
**Plate 1: Sizewell Link Road Location and Route**





- 1.1.4 The Sizewell link road would create a new route around the south of the villages of Yoxford, Middleton Moor and Theberton, helping to reduce the amount of traffic on the B1122 during the peak construction phase of the Sizewell C Project.
- 1.1.5 The Sizewell link road will be designed to Suffolk County Council’s (SCC) adoptable standards as follows:
- Design Manual for Roads and Bridges (DMRB)/ Manual of Contract Documents for Highway Works (MCHW);
  - CIRIA C753 The SuDS Manual;
  - Sustainable Drainage Systems (SuDS) a Local Design Guide Appendix A to the Suffolk Flood Risk Management Strategy, Suffolk County Council, May 2018; and
  - Suffolk SuDS Palette (SSP) – Guidance Suffolk County Council.
- 1.1.6 The Sizewell link road would cross six watercourses that were identified as part of the **Sizewell Link Road Flood Risk Assessment (FRA)** [APP-136]. The location of the watercourses and crossings is shown in **Plate 2 and summarised in Table 1.**

**Plate 2: Sizewell Link Road Watercourse Crossings**



**Table 1: FRA referenced DCO Concept Drainage Watercourse Crossings**

Crossing Number	Watercourse Number	Watercourse Name	Legal Status/Regulator
1	1	Middleton Drain	Main River EA
2	2	Garden House Farm Drain	Ordinary Watercourse SCC
3	3	Hawthorn Road Drain	Ordinary Watercourse SCC
4	5	Pretty Road Drain Leiston Road Crossing	Ordinary Watercourse SCC
5	5	Pretty Road Drain	Ordinary Watercourse SCC
6	6	Theberton Watercourse	Main River EA
7	7	Fishpond Grove Drain	Ordinary Watercourse SCC

1.1.7 The Flood Risk Assessment identified crossing 4 located on Pretty Road Drain. This is an existing culvert crossing of the B1122 near to its junction with the B1125. At the time of undertaking the assessment, it was unclear as to whether the culvert would require replacement or modification, hence its inclusion. Following completion of the Preliminary Drainage design, it can be confirmed that there are no requirements to impact on the culvert and this is confirmed in **Sizewell Link Road FRA Addendum [REP2-026]**. As a result, this crossing is not considered further within this note.

1.1.8 In addition to the six watercourses, three local field ditch crossings have also been identified following a site visit in January 2021.

1.1.9 The presence of local watercourses situated on either side of Pretty Road was identified following a site visit in February 2021. Since Sizewell link road crosses Pretty Lane in a cutting, the current outfalls for these watercourses would be removed.

## 2 PURPOSE

2.1.1 The **Outline Drainage Strategy** [[REP2-033](#)] identified at concept level the proposed drainage approach required for:

- The effective removal of runoff from the proposed Sizewell link road highway and its disposal;
- The crossing of watercourses along the line of the Sizewell link road.

2.1.2 This strategy was developed in consultation with drainage regulators and local authorities, including SCC and the Environment Agency (EA). A number of workshops were held and the observations/requirements of drainage regulators were incorporated in the strategy.

2.1.3 It was agreed that Sizewell Link Road watercourse crossings 1, 2, 3, 5 and 6 would be constructed as portal culverts in which the culvert would straddle the channel and bank leaving them in natural state to avoid impacts on bed geomorphology and also mitigate effects on the upstream and downstream movement of mammals, especially otter, which was recognised in the **Environment Statement** ([APP-461](#)) as being likely to use these ditches as migration corridors within the landscape. However, the culvert crossings would result in a loss of watercourse habitat that will require mitigation.

2.1.4 At watercourse crossing 7 to the east of Theberton, the watercourse crosses beneath the B1122 in a 450 mm diameter pipe. This pipe would need to be extended upstream to a point clear of the proposed link road.

2.1.5 The design of infrastructure for the removal of highway runoff has also been developed in consultation with drainage regulators and local authorities, including SCC and the EA. In accordance with the required design standards and SCC requirements, the drainage will incorporate Sustainable Drainage Systems (SuDS) treatment to mitigate any increased pollution risk to the receiving watercourses. The provision of such SuDS infrastructure has the potential to offset watercourse habitat loss and deliver significant enhancement subject to their design also maximising biodiversity.

2.1.6 The purpose of this report is to:

- quantify the balance between watercourse loss due to culverting and gain due to provision of new watercourses;
- confirm the potential watercourse works that can be undertaken to enhance watercourse appearance, biodiversity and habitat;
- confirm the range of SuDS measures to be considered for incorporation in the highway drainage infrastructure to be offered for adoption by SCC.

### 3 WATERCOURSE LOSS AND GAIN

3.1.1 The loss of open watercourse due to culverting and gains due to watercourse diversion or culvert removal are **summarised in Table 2.**

**Table 2: Balance of Watercourse Loss and Gains**

Crossing Number	Watercourse Number	Watercourse Name	Watercourse Loss metres	Watercourse Gain metres
1 Replacement Culvert	1	Middleton Drain	37 2	
Diversion	1	Middleton Drain	126	170
2	2	Garden House Farm Drain	38	
3	3	Hawthorn Road Drain	36	
5 Existing culvert removed	5	Pretty Road Drain	34	10
Tributary watercourse diverted	5	Pretty Road Drain		300
6	6	Theberton Watercourse	24	
Tributary watercourse diverted	6	Theberton Watercourse		420
7	7	Fishpond Grove Drain	36	

Crossing Number	Watercourse Number	Watercourse Name	Watercourse Loss metres	Watercourse Gain metres
Land drainage ditch 1			48	
Land drainage ditch 2			58	

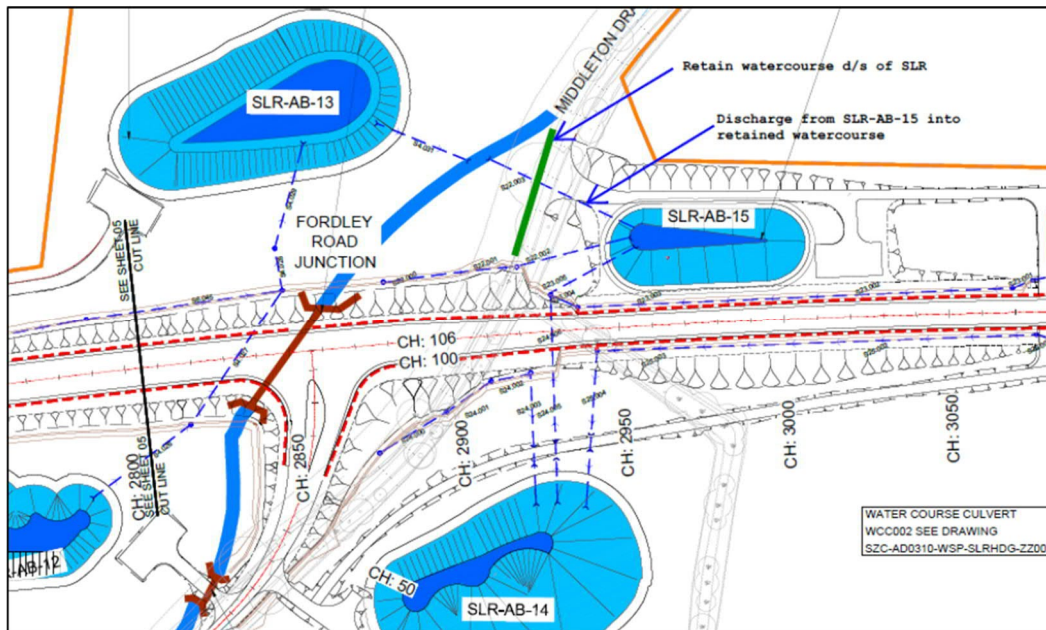


Land drainage ditch 3			72	
		<b>Combined Total</b>	<b>511</b>	<b>900</b>

3.1.2 It can be seen that as a result of the requirement for diverting part of Middleton Drain to accommodate the Fordley Road slip road and the tributary watercourse at Pretty Road, there is a significant net increase in watercourse as a result of construction the Sizewell link road.

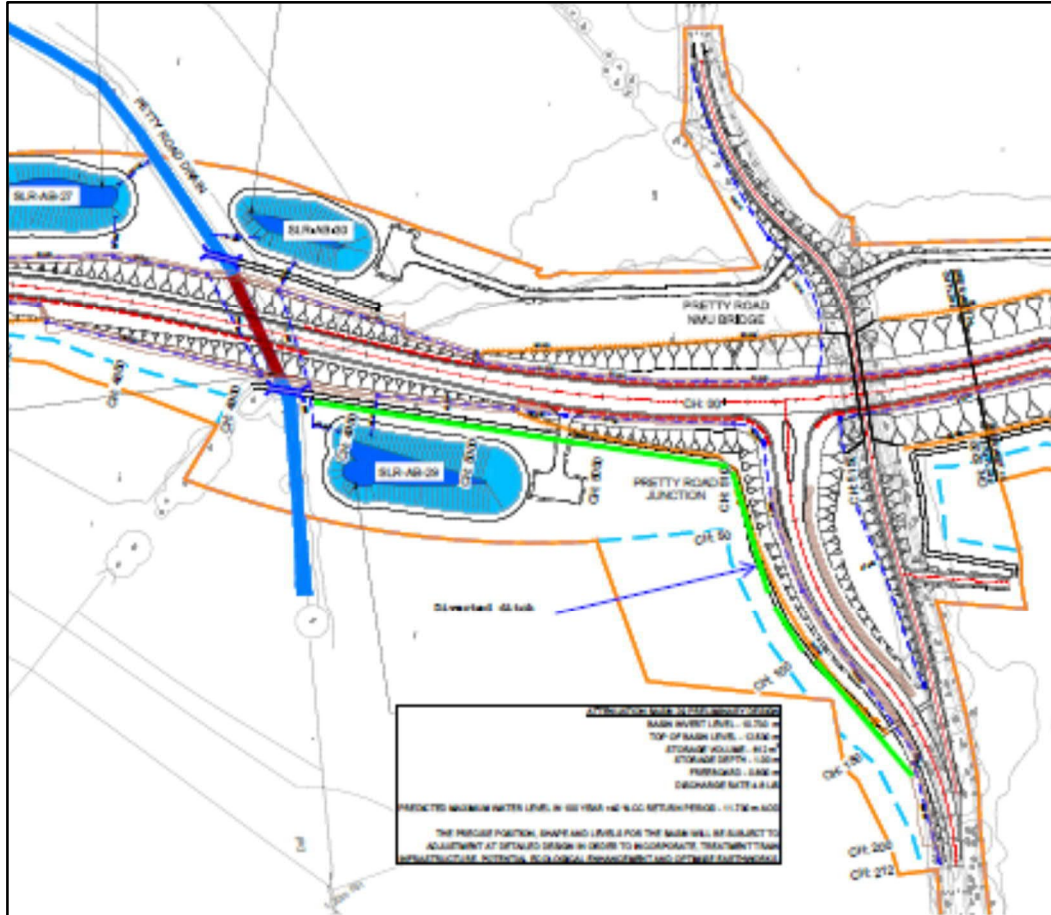
3.1.3 The Middleton Drain diversion is shown in **Plate 3**. The length upstream of Sizewell link road is abandoned but the length downstream shown green is proposed to be retained and expanded upon to create wetland habitat.

**Plate 3: Middleton Drain Watercourse Diversion**

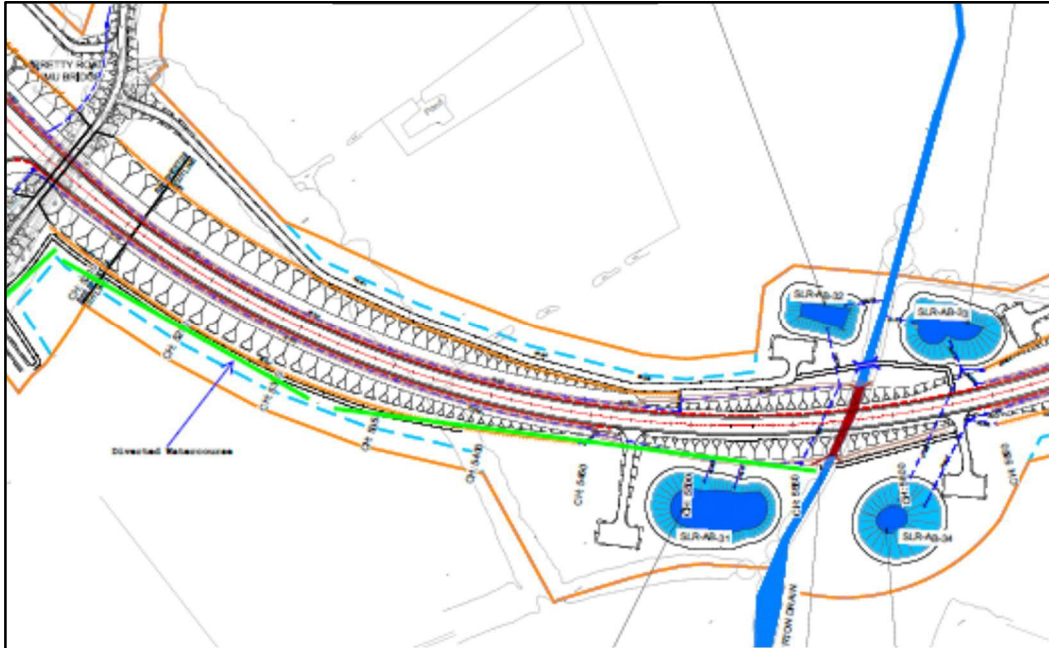


3.1.4 The Pretty Road tributary diversions are shown green in **Plates 4 and 5**.

**Plate 4: Pretty Road Drain Watercourse Diversion West to Pretty Road Drain**



## Plate 5: Pretty Road Drain Watercourse Diversion East to Theberton Watercourse



## 4 POTENTIAL FOR WATERCOURSE ENHANCEMENT

- 4.1.1 The watercourses impacted by the Sizewell link road are of varying size and significance in terms of conveyance of flows. Middleton Drain and Theberton Watercourse are classed as main river and are observed to normally have a continuous flow. The remainder are classed as ordinary watercourses and have been observed to be ephemeral.
- 4.1.2 Further engagement was undertaken with the EA in July 2021 at which it was agreed that SZC Co. would develop proposals to enhance the existing and diversion watercourses as far as possible, within existing constraints and order limits, to mitigate habitat loss and maximise biodiversity.
- 4.1.3 The EA directed SZC Co. to the following references: “River Rehabilitation Guidance for Eastern England Rivers” dated November 2005; and “Intermittent rivers and ephemeral streams: what water managers need to know” published by the Science & Management of Intermittent Rivers & Ephemeral Streams (Ed. Claire Magand et al., June 2020).
- 4.1.4 SZC Co. is committed to mitigating the impact of loss of watercourses and delivering enhancement of the existing watercourses within the extent of land which falls within the red line boundary for the Sizewell link road in

order to offset these losses and deliver net biodiversity gain overall. Some of this land will transfer to SCC if the road is adopted. The remainder will return to the existing riparian owner. The land take is typically 50 m upstream and downstream of the proposed new portal culverts. In addition, SZC.Co. commits to include natural enhancement features within the three watercourse diversions shown on Plates 3, 4 & 5 above. At Middleton drain, the retained section of ditch will be augmented with new wetland habitat such as a scrape to be provided within the triangular area bounded by the existing retained and proposed new diverted watercourse.

4.1.5 The design of these natural enhancement features will be included in Detailed Design for the SLR drainage scheme, and both the EA and SCC will be invited to comment on the proposals during design development.

4.1.6 It is anticipated that the features will include, but not be limited to:

- Varying channel width and bank gradient
- Creation of pools
- Backwaters and side channels
- Berms
- Bends
- Woody dams and other natural obstructions

4.1.7 Whilst including enhancement features in Detailed Design it will be important to also ensure that there is no adverse impact of flow conveyance and increase in off-site flood risk to adjacent land.

## 5 REQUIRED HIGHWAY DRAINAGE SUDS INFRASTRUCTURE LANDSCAPING AND HABITAT ENHANCEMENT

5.1.1 In accordance with the SCC adoptable standards referenced in 1.1.5 above the Sizewell link road design incorporates SuDS drainage that has landscaping and habitat value. As stated in the SuDS Pallet “Landscape planting should be done to both replicate existing habitat, provide treatment of the surface water, offer biodiversity and amenity value. However, the planting should be done to recreate new habitat where appropriate so that it is adaptable to climate change”.

- 5.1.2 The Sizewell link road design that was originally submitted as part of the DCO application included proposed landscaping plans and drainage features including a number of infiltration basins and swales. Following confirmation that ground conditions make infiltration unviable, the drainage design now includes for a total of 34 attenuation basins and roads are generally drained to vegetated channels and swales. The drainage infrastructure will require to be kept separate from the existing watercourse in order to ensure a satisfactory level of treatment and ensure that highway runoff does not cause deterioration of existing water quality in the receiving watercourse.
- 5.1.3 Landscaping and habitat creation in accordance with the recommendations contained in the SuDS Manual and the SuDS palette will be developed as part of Detailed Design.
- 5.1.4 Where space permits the final outfall from attenuation basin to watercourse discharge point will be constructed in open channel to assist with enhancement of the watercourse.

## 6 SUMMARY AND CONCLUSION

- 6.1.1 The purpose of this note is to quantify the losses and gains of watercourse that result from the construction of Sizewell link road. The report also confirms the intention to introduce features within the watercourse to promote biodiversity and enhance habitats.
- 6.1.2 It is intended that the enhancements will be provided within land which will form part of Sizewell link road and transfer to SCC subject to adoption of the link road.
- 6.1.3 In addition, it is confirmed that the design of highway drainage will incorporate SuDS features to enhance landscape and habitat.



## APPENDIX B: POLLUTION MITIGATION MEASURES ASSESSMENT



# TECHNICAL NOTE 16

DATE:	01 June 2021	CONFIDENTIALITY:	Confidential
SUBJECT:	Sizewell C - Associated Development Major Highway Schemes - Sizewell Link Road		
PROJECT:	70071202	AUTHOR:	██████████
CHECKED:	██████████	APPROVED:	██████████

## SIZEWELL LINK ROAD – POLLUTION ASSESSMENT REPORT

### 1 INTRODUCTION

- 1.1. WSP has been commissioned by Sizewell Co. (SZC) to validate and develop the design of the Sizewell Link Road (SLR) that was submitted to the Planning Inspectorate as part of a Development Consent Order (DCO) application to build and operate a new nuclear power station to the north of Sizewell B. The SLR shall be designed to Suffolk County Council's (SCC) adoptable standards.
- 1.2. The Sizewell Link Road forms one of the Associated Developments (AD) which are required to mitigate traffic impacts arising from the Main Development Site construction activities. The SLR consists of a new 6.8 km long single carriageway road connecting the A12, to the south of the village of Yoxford in Suffolk, with the B1122 Leiston Road, to the south east of the village of Theberton. The new link road will allow construction traffic for the new power station to be directed away from the B1122 and from passing through the villages of Middleton Moor and Theberton.
- 1.3. SLR and its associated side roads will require provision of highway drainage infrastructure to effectively remove highway runoff for disposal. Highway runoff will collect contaminants from the road surface which can cause pollution to the receiving water body whether it be watercourse or aquifer. The extent of pollution and whether it is low so as to be acceptable depends on the discharge rate and volume. It also depends on the drainage infrastructure (treatment train) provided which can remove some contaminants, the receiving water body and discharge dilution rate.
- 1.4. In addition to general lower level pollution in the highway runoff produced by rainfall, there is a risk that pollution may occur as a result of road traffic accident or other incident resulting in spillage onto the highway.
- 1.5. Prior to the DCO submission, pollution risk was discussed in workshops attended by SCC and the Environment Agency (EA). They both confirmed that an assessment of pollution risk is required. Since the SLR is a highway and is designed in accordance with the requirements of Design Manual for Roads and Bridges (DMRB), it was agreed that the Highways England Water Risk Assessment Tool (HEWRAT) would be used as a basis for assessment. The HEWRAT assessment methodology is set out in DMRB LA113.
- 1.6. This Technical Note (TN) 16 Pollution Assessment Report sets out the results of the HEWRAT assessment. The calculations and results are contained in Appendix A.

### 2 PURPOSE

- 2.1 This TN provides details of an assessment of pollution risk to water bodies as a result of construction and use of the SLR and its associated side roads due to
  - Contaminates which are contained in highway runoff generated by rainfall

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- Accidental spillage of contaminates on the highway

2.2 The assessment methodology is described in the results report shown in Appendix A, The methodology includes for an assessment of the effectiveness of the treatment train infrastructure provided which has the effect of reducing the pollution load on the receiving water body. In this case the treatment infrastructure consists of the shallow vegetated channels or swales, filter drains and attenuation basins.

### 3 SCOPE OF WORK

- 3.1 The assessment includes all of the SLR and its associated side roads. The assessment was undertaken during the Preliminary Design stage but before its completion and results became available in January 2021. As such the results are based on the drainage design strategy being developed at December 2020.
- 3.2 For the SLR to the east of the East Suffolk Line railway the design was based on the assumption of no infiltration to ground and discharge of all highway runoff to watercourse. Highway runoff would be discharged from the road and over the edge into a shallow vegetated channel where the road is at level grade or in cutting or into a swale vegetated channel where the road is on embankment. Runoff collected in the channel filters through the vegetation and is collected in an underlying filter drain. Runoff passes through the filter drain and is passed through one or more attenuation basins before discharging to watercourse at a controlled flow rate of 5 l/s. The attenuation basins provide treatment by settling out solids and absorption of pollutants by vegetation.
- 3.3 For the SLR to the west of the railway at the time of assessment, due to lack of any watercourse to which discharge could be made, the design was based on discharge to oversized attenuation basins which would collect highway runoff and infiltrate slowly to ground over an extended period.
- 3.4 The provision of a suitable gravity outfall for highway runoff from the B1122 Middleton Moor Roundabout was unresolved at this time.
- 3.5 The assessment assumed discharge to watercourses east of the railway and infiltration to ground to the west of the railway. HEWRAT has separate assessment methodologies for discharge to watercourse and infiltration to ground. In cases where the natural flow in receiving watercourse is determined to approach zero, being less than 1 l/s, the infiltration to ground methodology is used. This was found to be the case for watercourse 2, Garden House Farm Drain.

### 4 CONCLUSIONS

- 4.1 Following completion of the HEWRAT assessment using the drainage layout and treatment train infrastructure provided it can be confirmed that the arrangements result in a pass for the pollutants. This would indicate that applying DMRB standards, the polluting impact of highway runoff is sufficiently low such that no additional treatment measures are required. However as discussed with SCC, further

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treatment trains such as attenuation basin sediment forebays and defined vegetation such as reed beds will be incorporated at detailed design stage to optimise maintenance requirements and further enhance runoff treatment and biodiversity.

- 4.2 The assessment results note that the proposed outfalls on watercourses SW3 Hawthorn Road drain and SW6 Theberton Watercourse are less than 1km upstream of a SSSI (Minsmere-Walberswick Heaths and Marshes SSSI and Sizewell Marshes SSSI, respectively). The HEWRAT alerts that there is a sensitive receptor downstream of the proposed outfall, however the number of predicted exceedances per year for copper and zinc is below the threshold defined for locations with a protected area within 1km so impact is expected to be negligible.
- 4.3 In addition, it is noted that the SLR has a predicted Annual Average Daily Traffic (AADT) number less than 10,000. Since HEWRAT does not have an option for AADT values of this scale, the 10,000 – 50,000 category was selected as a suitable alternative. This makes the assessment more conservative.
- 4.4 The HEWRAT assessment results confirming a pass with no additional treatment required have been reported to SCC through the Design Review meetings and the report will be shared for formal comment. SCC have indicated that irrespective, they may wish to see additional treatment trains added for additional mitigation of pollution risk. If such additional treatment is required, this will be included as part of Detailed Design.

## 5 NEXT STEPS

- 5.1 As noted, the HEWRAT assessment was undertaken for the design as proposed in December 2020. The final Preliminary Design has developed with a number of changes.
- 5.2 A small length of the A12 Roundabout southern arm is now proposed to discharge by gravity into a local watercourse, discovered in January 2021
- 5.3 Following confirmation from SCC in January 2021 that all attenuation basins must have an outfall the Preliminary Design includes for two pumping stations to the west of the railway. Apart from the small length of A12 Roundabout southern arm referred to above, the remaining portion of SLR, A12 Roundabout and northern arm, will be pumped over the railway and discharge to Watercourse 1 Middleton Drain. Whilst discharge rate will not change the volume of discharge and pollution loading will increase.



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- 5.4 It has been agreed that a potential alternative to pumping over the railway with a discharge to local watercourse, discovered in January 2021 is to be investigated. If this proves to be feasible the pumped option will be discontinued.
- 5.5 B1122 Middleton Moor Roundabout and most of the Middleton Link is now proposed to discharge by gravity into a local watercourse, discovered in February 2021.
- 5.6 These changes have not been subject to HAWRAT assessment. It will be necessary to undertake a HAWRAT assessment to confirm that they will also pass as low risk such that discharge to watercourse is acceptable. The assessment should be undertaken in advance of or at the commencement of Detailed Design

## APPENDIX A

### DRAINAGE NETWORK WATER QUALITY ASSESSMENT





# TECHNICAL NOTE 16 Appendix A

<b>DATE:</b>	01 December 2020	<b>CONFIDENTIALITY:</b>	Internal
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<b>PROJECT:</b>	Sizewell Link Road	<b>AUTHOR:</b>	██████████
<b>CHECKED:</b>	██████████	<b>APPROVED:</b>	██████████

## INTRODUCTION

WSP have been commissioned to complete the preliminary drainage design for Sizewell Link Road. A water quality assessment has been carried out to confirm that the proposed drainage design provides suitable treatment of highway runoff before it is discharged to nearby watercourses or to ground. This technical note summarises the results of the assessment.

## DATA SOURCES

The following data was used for the assessments:

- Impermeable and permeable highway catchment areas draining to each outfall or infiltration basin
- Annual Average Traffic Flow (AADT) and Percentage HGVs for Sizewell Link Road and associated roads. Provided from the most recent traffic model for the scheme
- Catchment boundaries of receiving watercourses informed by Figure 4 of the Flood Risk Assessment
- Q95 flow and Base Flow Index generated using LowFlows software
- Ground Investigation data for the site
- Defra's magic mapping
- River survey data of all receiving watercourses
- Historical borehole records (Geology of Great Britain Viewer)
- Assumed percentage removal of copper and zinc for treatment solutions informed by Table 8.6.4N3 of CG501 (DMRB)
- Default values for water hardness and copper concentration informed by the HEWRAT Help Guide

## ASSESSMENT METHODOLOGY

The simple assessment methodology set out in DMRB LA113 was used to assess impact of the proposed drainage design on water quality of receiving watercourses and the underlying groundwater body.

A HEWRAT assessment was completed to assess the impact of routine runoff for all outfalls to watercourses, including a cumulative assessment completed for all watercourses where there is more than one outfall proposed within 1km.

An assessment of impacts from routine runoff to groundwater quality (Appendix C of LA113) was completed for the infiltration basins proposed at the western extent of Sizewell Link Road. A similar methodology was implemented for the outfall to watercourse SW2 as the Q95 of this watercourse was less than 0.001m<sup>3</sup>/s.

This methodology was not executed for the attenuation basins which are proposed to outfall to a watercourse. These basins would not be lined as the underlying ground has very low permeability and therefore it is assumed that the impact to groundwater would be negligible.

An assessment of spillage risk for each outfall or infiltration basin was completed for the full length of Sizewell Link Road (Appendix D of LA113).



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## ASSESSMENT RESULTS

### Routine Runoff to Watercourses (HEWRAT)

The full assessment results are presented in Table 2 below. In summary, with swales and attenuation basins embedded in the drainage design, sufficient treatment is provided for all aspects the HEWRAT to be passed.

Most of the roads which discharge to the proposed outfalls have an AADT less than 10,000. As the HEWRAT does not have an option for AADT values of this scale, the 10,000 – 50,000 category was selected as a suitable alternative.

The percentage removal of copper and zinc has been calculated using the guidance values provided in Table 8.6.4N3 of CG501. The proposed drainage strategy provides treatment for copper, zinc and sediments through swales and detention basins. When in combination, the efficiency of pollution removal for measures downstream of other measures is taken at 50%. The mitigation values used in the HEWRAT assessment are presented in Table 1.

*Table 1 - Percentage removal of pollutants used in the drainage strategy and assessed in the HEWRAT.*

	Percentage removal of copper (%)	Percentage removal of zinc (%)	Percentage settlement of sediments (%)
<b>Vegetated swale</b>	50	50	80
<b>Detention basin</b>	0	0	50
<b>Cumulative</b>	<b>50</b>	<b>50</b>	<b>100</b>

The proposed outfalls on watercourses SW3 and SW6 are less than 1km upstream of a SSSI (Minsmere-Walberswick Heaths and Marshes SSSI and Sizewell Marshes SSSI, respectively). The HEWRAT alerts that there is a sensitive receptor downstream of the proposed outfall, however the number of predicted exceedances per year for copper and zinc is below the threshold defined for locations with a protected area within 1km so impact is expected to be negligible.

### Routine Runoff to Groundwater (Method C)

The assessment results are presented in Table 3 below. In conclusion the impact to the underlying groundwater via each of the infiltration basins and SW2 is determined to be low risk. No further treatment is required prior to highway runoff discharging to groundwater.

### Spillage Risk (Method D)

For all outfalls the spillage risk is less than 0.001% which is acceptable and satisfies the standards set out in LA113.



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Table 2 - Input parameters and results of the HEWRAT assessment for the proposed drainage outfalls for Sizewell Link Road.

Outfall	SW1a	SW1b	SW1 (cumulative)	SW3a	SW3b	SW3 (cumulative)
<i>Easting</i>	641513	641513	641513	642670	642670	642670
<i>Northing</i>	267245	267245	267245	266732	266732	266732
<i>Receiving watercourse</i>	Middleton Drain	Middleton Drain	Middleton Drain	Hawthorn Road Drain	Hawthorn Road Drain	Hawthorn Road Drain
<i>AADT</i>	10,000-50,000	10,000-50,000	10,000-50,000	10,000-50,000	10,000-50,000	10,000-50,000
<i>Climatic region</i>	Warm/dry	Warm/dry	Warm/dry	Warm/dry	Warm/dry	Warm/dry
<i>Rainfall Site</i>	Ipswich (550mm)	Ipswich (550mm)	Ipswich (550mm)	Ipswich (550mm)	Ipswich (550mm)	Ipswich (550mm)
<i>Annual Q95 (m<sup>3</sup>/s)</i>	0.002	0.002	0.002	0.001	0.001	0.001
<i>Impermeable Area (ha)</i>	3.9521	0.9999	4.952	1.5091	1.2406	2.7497
<i>Permeable Area (ha)</i>	1.4732	0.5028	1.976	0.5846	0.833	1.4176
<i>BFI</i>	0.327	0.327	0.327	0.462	0.462	0.462
<i>Water hardness</i>	Low	Low	Low	Low	Low	Low



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Outfall	SW1a	SW1b	SW1 (cumulative)	SW3a	SW3b	SW3 (cumulative)
<i>Ambient background copper concentration (µg/l)</i>	0	0	0	0	0	0
<i>Protected Site Downstream?</i>	No	No	No	Yes	Yes	Yes
<i>Estimated River Width (m)</i>	1.6	1.6	1.6	0.65	0.65	0.65
<i>% Removal of Copper</i>	50	50	50	50	50	50
<i>% Removal of Zinc</i>	50	50	50	50	50	50
<i>Restricted Discharge Rate (l/s)</i>	5	5	5	5	5	5
<i>% Settlement of Sediments</i>	100	100	100	100	100	100
<b>Results – Tier 1, Step 3</b>						
<b>Copper – acute</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Zinc – acute</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>



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Outfall	SW1a	SW1b	SW1 (cumulative)	SW3a	SW3b	SW3 (cumulative)
Sediment Settlement	Pass	Pass	Pass	Alert. Protected Area	Alert. Protected Area	Alert. Protected Area
Copper (EQS) ( $\mu\text{g/l}$ )	0.31	0.11	0.37	0.27	0.2	0.4
Zinc (EQS) ( $\mu\text{g/l}$ )	0.7	0.24	0.83	0.61	0.45	0.9





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<b>Outfall</b>	<b>SW5a</b>	<b>SW5b</b>	<b>SW5c</b>	<b>SW5d</b>	<b>SW5 (cumulative)</b>
<i>Easting</i>	643021	643021	643170	643170	643170
<i>Northing</i>	266117	266117	266352	266352	266352
<i>Receiving watercourse</i>	Pretty Road Drain	Pretty Road Drain	Pretty Road Drain	Pretty Road Drain	Pretty Road Drain
<i>AADT</i>	10,000-50,000	10,000-50,000	10,000-50,000	10,000-50,000	10,000-50,000
<i>Climatic region</i>	Warm/dry	Warm/dry	Warm/dry	Warm/dry	Warm/dry
<i>Rainfall Site</i>	Ipswich (550mm)	Ipswich (550mm)	Ipswich (550mm)	Ipswich (550mm)	Ipswich (550mm)
<i>Annual Q95 (m<sup>3</sup>/s)</i>	0.001	0.001	0.001	0.001	0.001
<i>Impermeable Area (ha)</i>	0.5441	0.5647	0.271	0.8791	2.2589
<i>Permeable Area (ha)</i>	0.2704	0.3306	0.0626	0.5874	1.251
<i>BFI</i>	0.467	0.467	0.467	0.467	0.467
<i>Water hardness</i>	Low	Low	Low	Low	Low
<i>Ambient background copper concentration (µg/l)</i>	0	0	0	0	0



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<b>Outfall</b>	<b>SW5a</b>	<b>SW5b</b>	<b>SW5c</b>	<b>SW5d</b>	<b>SW5 (cumulative)</b>
<i>Protected Site Downstream?</i>	No	No	No	No	No
<i>Estimated River Width (m)</i>	0.87	0.87	0.87	0.87	0.87
<i>% Removal of Copper</i>	50	50	50	50	50
<i>% Removal of Zinc</i>	50	50	50	50	50
<i>Restricted Discharge Rate (l/s)</i>	5	5	5	5	5
<i>% Settlement of Sediments</i>	100	100	100	100	100

<b>Results – Tier 1, Step 3</b>					
<b>Copper – acute</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Zinc – acute</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Sediment Settlement</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Copper (EQS) (µg/l)</b>	<b>0.13</b>	<b>0.13</b>	<b>0.07</b>	<b>0.18</b>	<b>0.35</b>
<b>Zinc (EQS) (µg/l)</b>	<b>0.28</b>	<b>0.29</b>	<b>0.16</b>	<b>0.41</b>	<b>0.79</b>



## TECHNICAL NOTE 16 Appendix A

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**PROJECT:** Sizewell Link Road **AUTHOR:** [REDACTED]  
**CHECKED:** [REDACTED] **APPROVED:** [REDACTED]

<b>Outfall</b>	<b>SW6a</b>	<b>SW6b</b>	<b>SW6 (cumulative)</b>	<b>SW7</b>
<i>Easting</i>	643307	643307	643307	644167
<i>Northing</i>	265599	265599	265599	265209
<i>Receiving watercourse</i>	Theberton Watercourse	Theberton Watercourse	Theberton Watercourse	Fishpond Grove Drain
<i>AADT</i>	10,000-50,000	10,000-50,000	10,000-50,000	10,000-50,000
<i>Climatic region</i>	Warm/dry	Warm/dry	Warm/dry	Warm/dry
<i>Rainfall Site</i>	Ipswich (550mm)	Ipswich (550mm)	Ipswich (550mm)	Ipswich (550mm)
<i>Annual Q95 (m<sup>3</sup>/s)</i>	0.001	0.001	0.001	0.001
<i>Impermeable Area (ha)</i>	1.0268	0.7339	1.7607	2.0625
<i>Permeable Area (ha)</i>	0.9097	0.4364	1.3461	0.4584
<i>BFI</i>	0.507	0.507	0.507	0.559
<i>Water hardness</i>	Low	Low	Low	Low
<i>Ambient background copper concentration (µg/l)</i>	0	0	0	0
<i>Protected Site Downstream?</i>	Yes	Yes	Yes	No



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**CHECKED:** [REDACTED]      **APPROVED:** [REDACTED]

Outfall	SW6a	SW6b	SW6 (cumulative)	SW7
<i>Estimated River Width (m)</i>	1.1	1.1	1.1	0.84
<i>% Removal of Copper</i>	50	50	50	50
<i>% Removal of Zinc</i>	50	50	50	50
<i>Restricted Discharge Rate (l/s)</i>	5	5	5	5
<i>% Settlement of Sediments</i>	100	100	100	100

<b>Results – Tier 1, Step 3</b>				
<b>Copper – acute</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Zinc – acute</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Sediment Settlement</b>	<b>Alert. Protected Area</b>	<b>Alert. Protected Area</b>	<b>Pass</b>	<b>Pass</b>
<b>Copper (EQS) (µg/l)</b>	<b>0.2</b>	<b>0.16</b>	<b>0.35</b>	<b>0.35</b>
<b>Zinc (EQS) (µg/l)</b>	<b>0.46</b>	<b>0.36</b>	<b>0.79</b>	<b>0.78</b>



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**CHECKED:** [REDACTED]      **APPROVED:** [REDACTED]

Table 3 - Groundwater quality assessment results for Sizewell Link Road and associated roads.

	Parameter	AB01			AB02			AB03		
		Value	Risk Score	Score	Value	Risk Score	Score	Value	Risk Score	Score
Source	Traffic flow	11298	1	10	12701	1	10	1269	1	10
	Rainfall depth	550mm	1	10	550mm	1	10	550mm	1	10
	Drainage area ratio	4.5	1	10	7.9	1	10	4.3	1	10
Pathway	Infiltration method	Region	2	30	Region	2	30	Region	2	30
	Unsaturated zone	>17m	1	20	>17m	1	20	>17m	1	20
	Flow type	Intergranular	1	20	Intergranular	1	20	Intergranular	1	20
	Unsaturated zone clay content	9.8%	2	10	9.8%	2	10	9.8%	2	10





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**PROJECT:** Sizewell Link Road

**AUTHOR:** [REDACTED]

**CHECKED:** [REDACTED]

**APPROVED:** [REDACTED]

	Organic carbon	0.9%	3	15	0.9%	3	15	0.9%	3	15
	Unsaturated zone soil pH	8	1	5	8	1	5	8	1	5
	<b>TOTAL</b>			<b>130</b> <b>Low risk</b>			<b>130</b> <b>Low risk</b>			<b>130</b> <b>Low risk</b>



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**CHECKED:** [REDACTED]      **APPROVED:** [REDACTED]

	Parameter	AB04			AB05			SW2		
		Value	Risk Score	Score	Value	Risk Score	Score	Value	Risk Score	Score
Source	Traffic flow	1269	1	10	1269	1	10	1269	1	10
	Rainfall depth	550mm	1	10	550mm	1	10	550mm	1	10
	Drainage area ratio	1.8	1	10	6.4	1	10	336.7	3	30
Pathway	Infiltration method	Region	2	30	Region	2	30	Continuous	1	15
	Unsaturated zone	>17m	1	20	>17m	1	20	>17m	1	20
	Flow type	Intergranular	1	20	Intergranular	1	20	Intergranular	1	20
	Unsaturated zone clay content	9.8%	2	10	9.8%	2	10	39.8%	1	5
	Organic carbon	0.9%	3	15	0.9%	3	15	4.1%	2	10



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<b>CHECKED:</b>	████████	<b>APPROVED:</b>	████████

	Unsaturated zone soil pH	8	1	5	8	1	5	8.1	1	5
	<b>TOTAL</b>			<b>130</b> Low risk			<b>130</b> Low risk			<b>125</b> Low risk



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**CHECKED:** [REDACTED]      **APPROVED:** [REDACTED]

Table 4 – Spillage risk assessment results for Sizewell Link Road and associated roads.

Road label	Length (km)	Road type	Junction type	AADT	%HGV	PSPL <sup>1</sup>	PPOL <sup>2</sup>	PINC <sup>3</sup>	RRF <sup>4</sup>	Mitigated PINC
AB01.01	0.1	Rural Trunk Road	Roundabout	11928	6%	0.0001%	0.75	0.0001%	0.48	0.0000%
AB01.02	0.061	Rural Trunk Road	No Junction	11928	6%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>AB01: TOTAL</b>										<b>0.0000%</b>
AB02.01	0.182	Rural Trunk Road	Roundabout	12701	6%	0.0001%	0.75	0.0001%	0.48	0.0001%
AB02.02	0.101	Rural Trunk Road	Roundabout	12701	6%	0.0001%	0.75	0.0001%	0.48	0.0000%
AB02.03	0.022	Rural Trunk Road	Side Road	12701	6%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB02.04	0.1	Rural Trunk Road	Side Road	12701	6%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB02.05	0.101	Rural Trunk Road	Roundabout	1269	11%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB02.06	0.143	Rural Trunk Road	No Junction	1269	11%	0.0000%	0.75	0.0000%	0.48	0.0000%

<sup>1</sup> PSPL = annual probability of a spillage with the potential to cause a serious pollution incident

<sup>2</sup> PPOL = the probability, given a spillage, that a serious pollution incident will result. The location was considered to be rural with a response time to site of <1 hour.

<sup>3</sup> PINC = the probability of a spillage with an associated risk of a serious pollution incident occurring

<sup>4</sup> RRF = risk reduction factor. Implementation of swales and an infiltration basin provide a RRF of 0.48 according to the values provided in Table 8.6.4N3 of CG501. Infiltration basin has half the efficiency stated in CG501 as it is part of a linear treatment train.



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<b>PROJECT:</b>	Sizewell Link Road	<b>AUTHOR:</b>	██████████
<b>CHECKED:</b>	██████████	<b>APPROVED:</b>	██████████

Road label	Length (km)	Road type	Junction type	AADT	%HGV	PSPL <sup>1</sup>	PPOL <sup>2</sup>	PINC <sup>3</sup>	RRF <sup>4</sup>	Mitigated PINC
<b>AB02: TOTAL</b>										<b>0.0001%</b>
AB04.01	0.465	Rural Trunk Road	No Junction	1269	11%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>AB03 / AB04: TOTAL</b>										<b>0.0000%</b>
AB05.01	0.767	Rural Trunk Road	No Junction	1269	11%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>AB05: TOTAL</b>										<b>0.0000%</b>
AB06.01	0.405	Rural Trunk Road	No Junction	1269	11%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB09.01	0.307	Rural Trunk Road	No Junction	1269	11%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB09.02	0.102	Rural Trunk Road	Side Road	1269	11%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB09.03	0.101	Rural Trunk Road	Side Road	3667	4%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB09.04	0.082	Rural Trunk Road	No Junction	3667	4%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB10.01	0.323	Rural Trunk Road	No Junction	3667	4%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB11.01	0.129	Rural Trunk Road	Roundabout	3667	4%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB11.02	0.101	Rural Trunk Road	Roundabout	3667	4%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB11.03	0.052	Rural Trunk Road	No Junction	3667	4%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB11.04	0.1	Rural Trunk Road	Roundabout	349	1%	0.0000%	0.75	0.0000%	0.48	0.0000%





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<b>PROJECT:</b>	Sizewell Link Road	<b>AUTHOR:</b>	██████████
<b>CHECKED:</b>	██████████	<b>APPROVED:</b>	██████████

Road label	Length (km)	Road type	Junction type	AADT	%HGV	PSPL <sup>1</sup>	PPOL <sup>2</sup>	PINC <sup>3</sup>	RRF <sup>4</sup>	Mitigated PINC
AB11.05	0.079	Rural Trunk Road	No Junction	349	1%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB11.06	0.101	Rural Trunk Road	Roundabout	3878	3%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB11.07	0.047	Rural Trunk Road	No Junction	3878	3%	0.0000%	0.75	0.0000%	0.48	0.0000%
Ab13.01	0.101	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB13.02	0.34	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW1a: TOTAL</b>										<b>0.0000%</b>
AB15.02	0.1	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB15.03	0.186	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW1b: TOTAL</b>										<b>0.0000%</b>
AB16.01	0.374	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB16.02	0.058	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB18.01	0.042	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB18.03	0.039	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW2: TOTAL</b>										<b>0.0000%</b>
AB20.03	0.282	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%



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<b>CHECKED:</b>	██████████	<b>APPROVED:</b>	██████████

Road label	Length (km)	Road type	Junction type	AADT	%HGV	PSPL <sup>1</sup>	PPOL <sup>2</sup>	PINC <sup>3</sup>	RRF <sup>4</sup>	Mitigated PINC
AB20.04	0.069	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW3a: TOTAL</b>										<b>0.0000%</b>
AB24.01	0.031	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB24.03	0.1	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB24.04	0.249	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB24.05	0.103	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB24.06	0.224	Rural Trunk Road	No Junction	82	0	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW3b: TOTAL</b>										<b>0.0000%</b>
AB27.01	0.102	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB27.02	0.183	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW5a: TOTAL</b>										<b>0.0000%</b>
AB30.01	0.11	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB30.02	0.1	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW5b: TOTAL</b>										<b>0.0000%</b>
AB26.01	0.053	Rural Trunk Road	No Junction	2640	2	0.0000%	0.75	0.0000%	0.48	0.0000%



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**CHECKED:** ██████████      **APPROVED:** ██████████

Road label	Length (km)	Road type	Junction type	AADT	%HGV	PSPL <sup>1</sup>	PPOL <sup>2</sup>	PINC <sup>3</sup>	RRF <sup>4</sup>	Mitigated PINC
AB26.02	0.1	Rural Trunk Road	Side Road	2640	2	0.0002%	0.75	0.0001%	0.48	0.0001%
<b>SW5c: TOTAL</b>										<b>0.0001%</b>
AB25.01	0.173	Rural Trunk Road	No Junction	82	0	0.0000%	0.75	0.0000%	0.48	0.0000%
AB25.02	0.102	Rural Trunk Road	Side Road	82	0	0.0000%	0.75	0.0000%	0.48	0.0000%
AB25.03	0.1	Rural Trunk Road	Side Road	2595	2	0.0002%	0.75	0.0001%	0.48	0.0001%
AB25.04	0.062	Rural Trunk Road	Side Road	2595	2	0.0001%	0.75	0.0001%	0.48	0.0000%
AB25.05	0.101	Rural Trunk Road	Side Road	49	0	0.0000%	0.75	0.0000%	0.48	0.0000%
AB25.06	0.1	Rural Trunk Road	Side Road	2640	2	0.0002%	0.75	0.0001%	0.48	0.0001%
AB25.07	0.028	Rural Trunk Road	No Junction	2640	2	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW5d: TOTAL</b>										<b>0.0002%</b>
AB32.01	0.102	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB32.02	0.35	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW6a: TOTAL</b>										<b>0.0000%</b>
AB33.01	0.245	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%



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<b>CHECKED:</b>	██████████	<b>APPROVED:</b>	██████████

Road label	Length (km)	Road type	Junction type	AADT	%HGV	PSPL <sup>1</sup>	PPOL <sup>2</sup>	PINC <sup>3</sup>	RRF <sup>4</sup>	Mitigated PINC
AB33.02	0.1	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW6b: TOTAL</b>										<b>0.0000%</b>
AB37.01	0.102	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB37.02	0.238	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB37.03	0.101	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB37.05	0.101	Rural Trunk Road	Side Road	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
AB37.06	0.359	Rural Trunk Road	No Junction	4802	5%	0.0000%	0.75	0.0000%	0.48	0.0000%
<b>SW7: TOTAL</b>										<b>0.0000%</b>

## APPENDIX C: HYDRAULIC MODELLING RESULTS

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Date 01/10/2021 07:05  
File SLR-AB-10A.MDX

Designed by UKDEJ003  
Checked by

XP Solutions

Network 2019.1

Time Area Diagram for Storm

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.275	4-8	0.463	8-12	0.151	12-16	0.079	16-20	0.052	20-24	0.021

Total Area Contributing (ha) = 1.041

Total Pipe Volume (m<sup>3</sup>) = 78.051



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Date 01/10/2021 07:05

Designed by UKDEJ003

File SLR-AB-10A.MDX

Checked by

XP Solutions

Network 2019.1



Existing Network Details for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type
S1.000	97.960	0.700	139.9	0.076	15.00	0.0	0.600	o	150	Pipe/Conduit
S1.001	97.590	1.700	57.4	0.057	0.00	0.0	0.600	o	225	Pipe/Conduit
S1.002	51.450	1.243	41.4	0.030	0.00	0.0	0.600	o	225	Pipe/Conduit
S2.000	98.954	0.700	141.4	0.069	15.00	0.0	0.600	o	150	Pipe/Conduit
S2.001	97.433	1.700	57.3	0.055	0.00	0.0	0.600	o	150	Pipe/Conduit
S2.002	50.773	1.200	42.3	0.029	0.00	0.0	0.600	o	225	Pipe/Conduit
S2.003	12.654	0.043	295.6	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit
S1.003	16.506	0.043	385.0	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit
S1.004	15.662	0.041	385.0	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit
S1.005	16.458	0.614	26.8	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit
S1.006	118.456	0.912	129.9	0.084	0.00	0.0	0.600	o	375	Pipe/Conduit
S3.000	46.759	0.310	150.8	0.014	5.00	0.0	0.600	o	225	Pipe/Conduit
S3.001	27.531	0.180	153.0	0.044	0.00	0.0	0.600	o	225	Pipe/Conduit
S3.002	35.680	0.230	155.1	0.030	0.00	0.0	0.600	o	225	Pipe/Conduit
S3.003	15.215	0.100	152.1	0.005	0.00	0.0	0.600	o	225	Pipe/Conduit
S1.007	11.092	0.090	123.2	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit
S4.000	47.580	0.740	64.3	0.042	15.00	0.0	0.600	o	150	Pipe/Conduit

Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S1.000	26.652	0.076	0.0	0.85	15.0
S1.001	25.877	0.133	0.0	1.73	68.8
S1.002	24.177	0.163	0.0	2.04	81.1
S2.000	26.652	0.069	0.0	0.84	14.9
S2.001	25.952	0.124	0.0	1.33	23.5
S2.002	24.177	0.152	0.0	2.02	80.2
S2.003	22.977	0.152	0.0	0.76	30.0
S1.003	22.859	0.315	0.0	0.80	56.2
S1.004	22.816	0.315	0.0	0.80	56.2
S1.005	22.776	0.315	0.0	3.05	215.4
S1.006	22.162	0.399	0.0	1.59	175.4
S3.000	21.060	0.014	0.0	1.06	42.2
S3.001	20.750	0.058	0.0	1.05	41.9
S3.002	20.570	0.088	0.0	1.05	41.6
S3.003	20.340	0.094	0.0	1.06	42.1
S1.007	20.240	0.493	0.0	1.83	291.1
S4.000	22.310	0.042	0.0	1.26	22.2

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Existing Network Details for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type
S4.001	3.319	0.020	165.9	0.025	0.00	0.0	0.600	o	150	Pipe/Conduit
S4.002	67.173	1.020	65.9	0.014	0.00	0.0	0.600	o	150	Pipe/Conduit
S4.003	5.519	0.060	92.0	0.000	0.00	0.0	0.600	o	150	Pipe/Conduit
S1.008	51.313	0.350	146.6	0.026	0.00	0.0	0.600	o	450	Pipe/Conduit
S1.009	40.074	0.900	44.5	0.076	0.00	0.0	0.600	o	450	Pipe/Conduit
S5.000	71.597	0.480	149.2	0.067	5.00	0.0	0.600	o	100	Pipe/Conduit
S5.001	29.743	0.190	156.5	0.000	0.00	0.0	0.600	o	100	Pipe/Conduit
S5.002	34.418	0.230	149.6	0.020	15.00	0.0	0.600	o	100	Pipe/Conduit
S5.003	16.841	0.100	168.4	0.025	0.00	0.0	0.600	o	150	Pipe/Conduit
S6.000	20.129	0.195	103.0	0.024	15.00	0.0	0.600	o	100	Pipe/Conduit
S5.004	52.695	0.360	146.4	0.094	0.00	0.0	0.600	o	225	Pipe/Conduit
S5.005	11.338	0.140	81.0	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit
S1.010	59.637	0.400	149.1	0.049	0.00	0.0	0.600	o	525	Pipe/Conduit
S7.000	85.919	0.492	174.6	0.085	15.00	0.0	0.600	o	150	Pipe/Conduit
S1.011	15.488	0.100	154.9	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit

Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S4.001	21.570	0.066	0.0	0.78	13.7
S4.002	21.550	0.080	0.0	1.24	21.9
S4.003	20.530	0.080	0.0	1.05	18.5
S1.008	20.150	0.600	0.0	1.68	266.7
S1.009	19.800	0.676	0.0	3.05	485.6
S5.000	20.400	0.067	0.0	0.63	4.9
S5.001	19.920	0.067	0.0	0.61	4.8
S5.002	19.730	0.087	0.0	0.63	4.9
S5.003	19.500	0.113	0.0	0.77	13.6
S6.000	21.240	0.024	0.0	0.76	5.9
S5.004	19.400	0.231	0.0	1.08	42.9
S5.005	19.040	0.231	0.0	1.45	57.8
S1.010	18.900	0.956	0.0	1.83	396.6
S7.000	19.130	0.085	0.0	0.76	13.4
S1.011	18.500	1.041	0.0	1.80	389.1

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Existing Network Details for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type
S1.012	11.884	0.900	13.2	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit

Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S1.012	18.400	1.041	0.0	6.19	1339.4



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Manhole Schedules for Storm

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam., L*W (mm)	PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Backdrop (mm)
S1	28.000	1.348	Open Manhole	1200	S1.000	26.652	150				
S2	27.300	1.423	Open Manhole	1200	S1.001	25.877	225	S1.000	25.952	150	
S3	25.600	1.423	Open Manhole	1200	S1.002	24.177	225	S1.001	24.177	225	
S4	28.000	1.348	Open Manhole	1200	S2.000	26.652	150				
S5	27.300	1.348	Open Manhole	1200	S2.001	25.952	150	S2.000	25.952	150	
S6	25.600	1.423	Open Manhole	1200	S2.002	24.177	225	S2.001	24.252	150	
S7	24.400	1.423	Open Manhole	1200	S2.003	22.977	225	S2.002	22.977	225	
S4	24.400	1.541	Open Manhole	1200	S1.003	22.859	300	S1.002	22.934	225	
								S2.003	22.934	225	
S5	25.000	2.184	Open Manhole	1200	S1.004	22.816	300	S1.003	22.816	300	
S6	25.000	2.224	Open Manhole	1200	S1.005	22.776	300	S1.004	22.776	300	
S7	23.660	1.498	Open Manhole	1200	S1.006	22.162	375	S1.005	22.162	300	
S13	22.360	1.300	Open Manhole	1200	S3.000	21.060	225				
S14	22.800	2.050	Open Manhole	1200	S3.001	20.750	225	S3.000	20.750	225	
S15	22.620	2.050	Open Manhole	1200	S3.002	20.570	225	S3.001	20.570	225	
S16	22.640	2.300	Open Manhole	1200	S3.003	20.340	225	S3.002	20.340	225	
S8	22.700	2.460	Open Manhole	1350	S1.007	20.240	450	S1.006	21.250	375	935
								S3.003	20.240	225	
S13	23.660	1.350	Open Manhole	1200	S4.000	22.310	150				
S14	22.920	1.350	Open Manhole	1200	S4.001	21.570	150	S4.000	21.570	150	
S15	22.900	1.350	Open Manhole	1200	S4.002	21.550	150	S4.001	21.550	150	
S16	21.880	1.350	Open Manhole	1200	S4.003	20.530	150	S4.002	20.530	150	
S9	22.540	2.390	Open Manhole	1350	S1.008	20.150	450	S1.007	20.150	450	
								S4.003	20.470	150	20
S10	22.220	2.420	Open Manhole	1350	S1.009	19.800	450	S1.008	19.800	450	
S23	21.500	1.100	Open Manhole	1200	S5.000	20.400	100				
S24	22.150	2.230	Open Manhole	1200	S5.001	19.920	100	S5.000	19.920	100	
S24	21.620	1.890	Open Manhole	1200	S5.002	19.730	100	S5.001	19.730	100	
S25	21.280	1.780	Open Manhole	1200	S5.003	19.500	150	S5.002	19.500	100	
S26	22.540	1.300	Open Manhole	1200	S6.000	21.240	100				
S26	22.440	3.040	Open Manhole	1200	S5.004	19.400	225	S5.003	19.400	150	
								S6.000	21.045	100	1520
S27	21.600	2.560	Open Manhole	1200	S5.005	19.040	225	S5.004	19.040	225	
S11	21.600	2.700	Open Manhole	1500	S1.010	18.900	525	S1.009	18.900	450	
								S5.005	18.900	225	
S30	20.480	1.350	Open Manhole	1200	S7.000	19.130	150				
S12	20.240	1.740	Open Manhole	1500	S1.011	18.500	525	S1.010	18.500	525	



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Manhole Schedules for Storm

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam., L*W (mm)	PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Backdrop (mm)
S32	20.540	2.140	Open Manhole	1500	S1.012	18.400	525	S7.000	18.638	150	
S	18.200	0.700	Open Manhole	0		OUTFALL		S1.011	18.400	525	
								S1.012	17.500	525	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S1	640994.198	267595.241	640994.198	267595.241	Required	
S2	641011.512	267691.660	641011.512	267691.660	Required	
S3	641029.432	267787.591	641029.432	267787.591	Required	
S4	641006.129	267592.597	641006.129	267592.597	Required	
S5	641024.589	267689.814	641024.589	267689.814	Required	
S6	641041.962	267785.686	641041.962	267785.686	Required	
S7	641051.308	267835.591	641051.308	267835.591	Required	
S4	641038.917	267838.158	641038.917	267838.158	Required	
S5	641024.893	267846.863	641024.893	267846.863	Required	
S6	641027.311	267862.338	641027.311	267862.338	Required	
S7	641043.511	267865.239	641043.511	267865.239	Required	
S13	641052.273	268104.660	641052.273	268104.660	Required	

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Manhole Schedules for Storm

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S14	641055.859	268058.038	641055.859	268058.038	Required	
S15	641063.098	268031.476	641063.098	268031.476	Required	
S16	641069.433	267996.363	641069.433	267996.363	Required	
S8	641065.998	267981.541	641065.998	267981.541	Required	
S13	641056.702	267863.735	641056.702	267863.735	Required	
S14	641065.368	267910.519	641065.368	267910.519	Required	
S15	641068.560	267911.431	641068.560	267911.431	Required	
S16	641082.041	267977.238	641082.041	267977.238	Required	
S9	641076.725	267978.719	641076.725	267978.719	Required	
S10	641093.847	268027.092	641093.847	268027.092	Required	
S23	640995.719	268173.715	640995.719	268173.715	Required	
S24	641044.028	268120.872	641044.028	268120.872	Required	
S24	641073.234	268126.500	641073.234	268126.500	Required	
S25	641086.266	268094.644	641086.266	268094.644	Required	
S26	641070.881	268090.119	641070.881	268090.119	Required	
S26	641086.809	268077.811	641086.809	268077.811	Required	



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Manhole Schedules for Storm

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S27	641134.049	268054.463	641134.049	268054.463	Required	
S11	641130.287	268043.768	641130.287	268043.768	Required	
S30	641255.679	267973.195	641255.679	267973.195	Required	
S12	641186.697	268024.415	641186.697	268024.415	Required	
S32	641197.865	268035.146	641197.865	268035.146	Required	
S	641206.255	268043.562			No Entry	

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PIPELINE SCHEDULES for Storm

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.000	o	150	S1	28.000	26.652	1.198	Open Manhole	1200
S1.001	o	225	S2	27.300	25.877	1.198	Open Manhole	1200
S1.002	o	225	S3	25.600	24.177	1.198	Open Manhole	1200
S2.000	o	150	S4	28.000	26.652	1.198	Open Manhole	1200
S2.001	o	150	S5	27.300	25.952	1.198	Open Manhole	1200
S2.002	o	225	S6	25.600	24.177	1.198	Open Manhole	1200
S2.003	o	225	S7	24.400	22.977	1.198	Open Manhole	1200
S1.003	o	300	S4	24.400	22.859	1.241	Open Manhole	1200
S1.004	o	300	S5	25.000	22.816	1.884	Open Manhole	1200
S1.005	o	300	S6	25.000	22.776	1.924	Open Manhole	1200
S1.006	o	375	S7	23.660	22.162	1.123	Open Manhole	1200
S3.000	o	225	S13	22.360	21.060	1.075	Open Manhole	1200
S3.001	o	225	S14	22.800	20.750	1.825	Open Manhole	1200
S3.002	o	225	S15	22.620	20.570	1.825	Open Manhole	1200
S3.003	o	225	S16	22.640	20.340	2.075	Open Manhole	1200
S1.007	o	450	S8	22.700	20.240	2.010	Open Manhole	1350

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.000	97.960	139.9	S2	27.300	25.952	1.198	Open Manhole	1200
S1.001	97.590	57.4	S3	25.600	24.177	1.198	Open Manhole	1200
S1.002	51.450	41.4	S4	24.400	22.934	1.241	Open Manhole	1200
S2.000	98.954	141.4	S5	27.300	25.952	1.198	Open Manhole	1200
S2.001	97.433	57.3	S6	25.600	24.252	1.198	Open Manhole	1200
S2.002	50.773	42.3	S7	24.400	22.977	1.198	Open Manhole	1200
S2.003	12.654	295.6	S4	24.400	22.934	1.241	Open Manhole	1200
S1.003	16.506	385.0	S5	25.000	22.816	1.884	Open Manhole	1200
S1.004	15.662	385.0	S6	25.000	22.776	1.924	Open Manhole	1200
S1.005	16.458	26.8	S7	23.660	22.162	1.198	Open Manhole	1200
S1.006	118.456	129.9	S8	22.700	21.250	1.075	Open Manhole	1350
S3.000	46.759	150.8	S14	22.800	20.750	1.825	Open Manhole	1200
S3.001	27.531	153.0	S15	22.620	20.570	1.825	Open Manhole	1200
S3.002	35.680	155.1	S16	22.640	20.340	2.075	Open Manhole	1200
S3.003	15.215	152.1	S8	22.700	20.240	2.235	Open Manhole	1350
S1.007	11.092	123.2	S9	22.540	20.150	1.940	Open Manhole	1350

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PIPELINE SCHEDULES for Storm

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S4.000	o	150	S13	23.660	22.310	1.200	Open Manhole	1200
S4.001	o	150	S14	22.920	21.570	1.200	Open Manhole	1200
S4.002	o	150	S15	22.900	21.550	1.200	Open Manhole	1200
S4.003	o	150	S16	21.880	20.530	1.200	Open Manhole	1200
S1.008	o	450	S9	22.540	20.150	1.940	Open Manhole	1350
S1.009	o	450	S10	22.220	19.800	1.970	Open Manhole	1350
S5.000	o	100	S23	21.500	20.400	1.000	Open Manhole	1200
S5.001	o	100	S24	22.150	19.920	2.130	Open Manhole	1200
S5.002	o	100	S24	21.620	19.730	1.790	Open Manhole	1200
S5.003	o	150	S25	21.280	19.500	1.630	Open Manhole	1200
S6.000	o	100	S26	22.540	21.240	1.200	Open Manhole	1200
S5.004	o	225	S26	22.440	19.400	2.815	Open Manhole	1200
S5.005	o	225	S27	21.600	19.040	2.335	Open Manhole	1200
S1.010	o	525	S11	21.600	18.900	2.175	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S4.000	47.580	64.3	S14	22.920	21.570	1.200	Open Manhole	1200
S4.001	3.319	165.9	S15	22.900	21.550	1.200	Open Manhole	1200
S4.002	67.173	65.9	S16	21.880	20.530	1.200	Open Manhole	1200
S4.003	5.519	92.0	S9	22.540	20.470	1.920	Open Manhole	1350
S1.008	51.313	146.6	S10	22.220	19.800	1.970	Open Manhole	1350
S1.009	40.074	44.5	S11	21.600	18.900	2.250	Open Manhole	1500
S5.000	71.597	149.2	S24	22.150	19.920	2.130	Open Manhole	1200
S5.001	29.743	156.5	S24	21.620	19.730	1.790	Open Manhole	1200
S5.002	34.418	149.6	S25	21.280	19.500	1.680	Open Manhole	1200
S5.003	16.841	168.4	S26	22.440	19.400	2.890	Open Manhole	1200
S6.000	20.129	103.0	S26	22.440	21.045	1.295	Open Manhole	1200
S5.004	52.695	146.4	S27	21.600	19.040	2.335	Open Manhole	1200
S5.005	11.338	81.0	S11	21.600	18.900	2.475	Open Manhole	1500
S1.010	59.637	149.1	S12	20.240	18.500	1.215	Open Manhole	1500

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PIPELINE SCHEDULES for Storm

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S7.000	o	150	S30	20.480	19.130	1.200	Open Manhole	1200
S1.011	o	525	S12	20.240	18.500	1.215	Open Manhole	1500
S1.012	o	525	S32	20.540	18.400	1.615	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S7.000	85.919	174.6	S12	20.240	18.638	1.452	Open Manhole	1500
S1.011	15.488	154.9	S32	20.540	18.400	1.615	Open Manhole	1500
S1.012	11.884	13.2	S	18.200	17.500	0.175	Open Manhole	0

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Area Summary for Storm

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
1.000	User	-	100	0.050	0.050	0.050
	User	-	25	0.106	0.027	0.076
1.001	User	-	100	0.039	0.039	0.039
	User	-	25	0.073	0.018	0.057
1.002	User	-	100	0.019	0.019	0.019
	User	-	25	0.042	0.010	0.030
2.000	User	-	100	0.041	0.041	0.041
	User	-	25	0.112	0.028	0.069
2.001	User	-	100	0.034	0.034	0.034
	User	-	25	0.084	0.021	0.055
2.002	User	-	100	0.018	0.018	0.018
	User	-	25	0.045	0.011	0.029
2.003	-	-	100	0.000	0.000	0.000
1.003	-	-	100	0.000	0.000	0.000
1.004	-	-	100	0.000	0.000	0.000
1.005	-	-	100	0.000	0.000	0.000
1.006	User	-	100	0.055	0.055	0.055
	User	-	25	0.116	0.029	0.084
3.000	User	-	100	0.014	0.014	0.014
3.001	User	-	100	0.026	0.026	0.026
	User	-	100	0.018	0.018	0.044
3.002	User	-	100	0.030	0.030	0.030
3.003	User	-	100	0.005	0.005	0.005
1.007	-	-	100	0.000	0.000	0.000
4.000	User	-	100	0.026	0.026	0.026
	User	-	25	0.061	0.015	0.042
4.001	User	-	100	0.025	0.025	0.025
4.002	User	-	25	0.055	0.014	0.014
4.003	-	-	100	0.000	0.000	0.000
1.008	User	-	100	0.026	0.026	0.026
1.009	User	-	100	0.054	0.054	0.054
	User	-	25	0.090	0.023	0.076
5.000	User	-	100	0.067	0.067	0.067
5.001	-	-	100	0.000	0.000	0.000
5.002	User	-	100	0.020	0.020	0.020
5.003	User	-	100	0.025	0.025	0.025
6.000	User	-	100	0.024	0.024	0.024
5.004	User	-	100	0.074	0.074	0.074
	User	-	25	0.082	0.021	0.094
5.005	-	-	100	0.000	0.000	0.000
1.010	User	-	100	0.049	0.049	0.049
7.000	User	-	100	0.085	0.085	0.085
1.011	-	-	100	0.000	0.000	0.000
1.012	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				1.690	1.041	1.041



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Network Classifications for Storm

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S1.000	S1	150	1.198	1.198	Unclassified	1200	0	1.198	Unclassified
S1.001	S2	225	1.198	1.198	Unclassified	1200	0	1.198	Unclassified
S1.002	S3	225	1.198	1.241	Unclassified	1200	0	1.198	Unclassified
S2.000	S4	150	1.198	1.198	Unclassified	1200	0	1.198	Unclassified
S2.001	S5	150	1.198	1.198	Unclassified	1200	0	1.198	Unclassified
S2.002	S6	225	1.198	1.198	Unclassified	1200	0	1.198	Unclassified
S2.003	S7	225	1.198	1.241	Unclassified	1200	0	1.198	Unclassified
S1.003	S4	300	1.241	1.884	Unclassified	1200	0	1.241	Unclassified
S1.004	S5	300	1.884	1.924	Unclassified	1200	0	1.884	Unclassified
S1.005	S6	300	1.198	1.924	Unclassified	1200	0	1.924	Unclassified
S1.006	S7	375	1.075	1.123	Unclassified	1200	0	1.123	Unclassified
S3.000	S13	225	1.075	1.825	Unclassified	1200	0	1.075	Unclassified
S3.001	S14	225	1.825	1.825	Unclassified	1200	0	1.825	Unclassified
S3.002	S15	225	1.825	2.075	Unclassified	1200	0	1.825	Unclassified
S3.003	S16	225	2.075	2.235	Unclassified	1200	0	2.075	Unclassified
S1.007	S8	450	1.940	2.010	Unclassified	1350	0	2.010	Unclassified
S4.000	S13	150	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S4.001	S14	150	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S4.002	S15	150	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S4.003	S16	150	1.200	1.920	Unclassified	1200	0	1.200	Unclassified
S1.008	S9	450	1.940	1.970	Unclassified	1350	0	1.940	Unclassified
S1.009	S10	450	1.970	2.250	Unclassified	1350	0	1.970	Unclassified
S5.000	S23	100	1.000	2.130	Unclassified	1200	0	1.000	Unclassified
S5.001	S24	100	1.790	2.130	Unclassified	1200	0	2.130	Unclassified
S5.002	S24	100	1.680	1.790	Unclassified	1200	0	1.790	Unclassified
S5.003	S25	150	1.630	2.890	Unclassified	1200	0	1.630	Unclassified
S6.000	S26	100	1.200	1.295	Unclassified	1200	0	1.200	Unclassified
S5.004	S26	225	2.335	2.815	Unclassified	1200	0	2.815	Unclassified
S5.005	S27	225	2.335	2.475	Unclassified	1200	0	2.335	Unclassified
S1.010	S11	525	1.215	2.175	Unclassified	1500	0	2.175	Unclassified
S7.000	S30	150	1.200	1.452	Unclassified	1200	0	1.200	Unclassified
S1.011	S12	525	1.215	1.615	Unclassified	1500	0	1.215	Unclassified
S1.012	S32	525	0.175	1.615	Unclassified	1500	0	1.615	Unclassified

Surcharged Outfall Details for Storm

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
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S1.012 S 18.200 17.500 17.200 0 0

Datum (m) 0.000 Offset (mins) 0



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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1	17.300	50	17.300	99	17.300	148	17.300	197	17.300	246	17.300
2	17.300	51	17.300	100	17.300	149	17.300	198	17.300	247	17.300
3	17.300	52	17.300	101	17.300	150	17.300	199	17.300	248	17.300
4	17.300	53	17.300	102	17.300	151	17.300	200	17.300	249	17.300
5	17.300	54	17.300	103	17.300	152	17.300	201	17.300	250	17.300
6	17.300	55	17.300	104	17.300	153	17.300	202	17.300	251	17.300
7	17.300	56	17.300	105	17.300	154	17.300	203	17.300	252	17.300
8	17.300	57	17.300	106	17.300	155	17.300	204	17.300	253	17.300
9	17.300	58	17.300	107	17.300	156	17.300	205	17.300	254	17.300
10	17.300	59	17.300	108	17.300	157	17.300	206	17.300	255	17.300
11	17.300	60	17.300	109	17.300	158	17.300	207	17.300	256	17.300
12	17.300	61	17.300	110	17.300	159	17.300	208	17.300	257	17.300
13	17.300	62	17.300	111	17.300	160	17.300	209	17.300	258	17.300
14	17.300	63	17.300	112	17.300	161	17.300	210	17.300	259	17.300
15	17.300	64	17.300	113	17.300	162	17.300	211	17.300	260	17.300
16	17.300	65	17.300	114	17.300	163	17.300	212	17.300	261	17.300
17	17.300	66	17.300	115	17.300	164	17.300	213	17.300	262	17.300
18	17.300	67	17.300	116	17.300	165	17.300	214	17.300	263	17.300
19	17.300	68	17.300	117	17.300	166	17.300	215	17.300	264	17.300
20	17.300	69	17.300	118	17.300	167	17.300	216	17.300	265	17.300
21	17.300	70	17.300	119	17.300	168	17.300	217	17.300	266	17.300
22	17.300	71	17.300	120	17.300	169	17.300	218	17.300	267	17.300
23	17.300	72	17.300	121	17.300	170	17.300	219	17.300	268	17.300
24	17.300	73	17.300	122	17.300	171	17.300	220	17.300	269	17.300
25	17.300	74	17.300	123	17.300	172	17.300	221	17.300	270	17.300
26	17.300	75	17.300	124	17.300	173	17.300	222	17.300	271	17.300
27	17.300	76	17.300	125	17.300	174	17.300	223	17.300	272	17.300
28	17.300	77	17.300	126	17.300	175	17.300	224	17.300	273	17.300
29	17.300	78	17.300	127	17.300	176	17.300	225	17.300	274	17.300
30	17.300	79	17.300	128	17.300	177	17.300	226	17.300	275	17.300
31	17.300	80	17.300	129	17.300	178	17.300	227	17.300	276	17.300
32	17.300	81	17.300	130	17.300	179	17.300	228	17.300	277	17.300
33	17.300	82	17.300	131	17.300	180	17.300	229	17.300	278	17.300
34	17.300	83	17.300	132	17.300	181	17.300	230	17.300	279	17.300
35	17.300	84	17.300	133	17.300	182	17.300	231	17.300	280	17.300
36	17.300	85	17.300	134	17.300	183	17.300	232	17.300	281	17.300
37	17.300	86	17.300	135	17.300	184	17.300	233	17.300	282	17.300
38	17.300	87	17.300	136	17.300	185	17.300	234	17.300	283	17.300
39	17.300	88	17.300	137	17.300	186	17.300	235	17.300	284	17.300
40	17.300	89	17.300	138	17.300	187	17.300	236	17.300	285	17.300
41	17.300	90	17.300	139	17.300	188	17.300	237	17.300	286	17.300
42	17.300	91	17.300	140	17.300	189	17.300	238	17.300	287	17.300
43	17.300	92	17.300	141	17.300	190	17.300	239	17.300	288	17.300
44	17.300	93	17.300	142	17.300	191	17.300	240	17.300	289	17.300
45	17.300	94	17.300	143	17.300	192	17.300	241	17.300	290	17.300
46	17.300	95	17.300	144	17.300	193	17.300	242	17.300	291	17.300
47	17.300	96	17.300	145	17.300	194	17.300	243	17.300	292	17.300
48	17.300	97	17.300	146	17.300	195	17.300	244	17.300	293	17.300
49	17.300	98	17.300	147	17.300	196	17.300	245	17.300	294	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
295	17.300	344	17.300	393	17.300	442	17.300	491	17.300	540	17.300
296	17.300	345	17.300	394	17.300	443	17.300	492	17.300	541	17.300
297	17.300	346	17.300	395	17.300	444	17.300	493	17.300	542	17.300
298	17.300	347	17.300	396	17.300	445	17.300	494	17.300	543	17.300
299	17.300	348	17.300	397	17.300	446	17.300	495	17.300	544	17.300
300	17.300	349	17.300	398	17.300	447	17.300	496	17.300	545	17.300
301	17.300	350	17.300	399	17.300	448	17.300	497	17.300	546	17.300
302	17.300	351	17.300	400	17.300	449	17.300	498	17.300	547	17.300
303	17.300	352	17.300	401	17.300	450	17.300	499	17.300	548	17.300
304	17.300	353	17.300	402	17.300	451	17.300	500	17.300	549	17.300
305	17.300	354	17.300	403	17.300	452	17.300	501	17.300	550	17.300
306	17.300	355	17.300	404	17.300	453	17.300	502	17.300	551	17.300
307	17.300	356	17.300	405	17.300	454	17.300	503	17.300	552	17.300
308	17.300	357	17.300	406	17.300	455	17.300	504	17.300	553	17.300
309	17.300	358	17.300	407	17.300	456	17.300	505	17.300	554	17.300
310	17.300	359	17.300	408	17.300	457	17.300	506	17.300	555	17.300
311	17.300	360	17.300	409	17.300	458	17.300	507	17.300	556	17.300
312	17.300	361	17.300	410	17.300	459	17.300	508	17.300	557	17.300
313	17.300	362	17.300	411	17.300	460	17.300	509	17.300	558	17.300
314	17.300	363	17.300	412	17.300	461	17.300	510	17.300	559	17.300
315	17.300	364	17.300	413	17.300	462	17.300	511	17.300	560	17.300
316	17.300	365	17.300	414	17.300	463	17.300	512	17.300	561	17.300
317	17.300	366	17.300	415	17.300	464	17.300	513	17.300	562	17.300
318	17.300	367	17.300	416	17.300	465	17.300	514	17.300	563	17.300
319	17.300	368	17.300	417	17.300	466	17.300	515	17.300	564	17.300
320	17.300	369	17.300	418	17.300	467	17.300	516	17.300	565	17.300
321	17.300	370	17.300	419	17.300	468	17.300	517	17.300	566	17.300
322	17.300	371	17.300	420	17.300	469	17.300	518	17.300	567	17.300
323	17.300	372	17.300	421	17.300	470	17.300	519	17.300	568	17.300
324	17.300	373	17.300	422	17.300	471	17.300	520	17.300	569	17.300
325	17.300	374	17.300	423	17.300	472	17.300	521	17.300	570	17.300
326	17.300	375	17.300	424	17.300	473	17.300	522	17.300	571	17.300
327	17.300	376	17.300	425	17.300	474	17.300	523	17.300	572	17.300
328	17.300	377	17.300	426	17.300	475	17.300	524	17.300	573	17.300
329	17.300	378	17.300	427	17.300	476	17.300	525	17.300	574	17.300
330	17.300	379	17.300	428	17.300	477	17.300	526	17.300	575	17.300
331	17.300	380	17.300	429	17.300	478	17.300	527	17.300	576	17.300
332	17.300	381	17.300	430	17.300	479	17.300	528	17.300	577	17.300
333	17.300	382	17.300	431	17.300	480	17.300	529	17.300	578	17.300
334	17.300	383	17.300	432	17.300	481	17.300	530	17.300	579	17.300
335	17.300	384	17.300	433	17.300	482	17.300	531	17.300	580	17.300
336	17.300	385	17.300	434	17.300	483	17.300	532	17.300	581	17.300
337	17.300	386	17.300	435	17.300	484	17.300	533	17.300	582	17.300
338	17.300	387	17.300	436	17.300	485	17.300	534	17.300	583	17.300
339	17.300	388	17.300	437	17.300	486	17.300	535	17.300	584	17.300
340	17.300	389	17.300	438	17.300	487	17.300	536	17.300	585	17.300
341	17.300	390	17.300	439	17.300	488	17.300	537	17.300	586	17.300
342	17.300	391	17.300	440	17.300	489	17.300	538	17.300	587	17.300
343	17.300	392	17.300	441	17.300	490	17.300	539	17.300	588	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
589	17.300	638	17.300	687	17.300	736	17.300	785	17.300	834	17.300
590	17.300	639	17.300	688	17.300	737	17.300	786	17.300	835	17.300
591	17.300	640	17.300	689	17.300	738	17.300	787	17.300	836	17.300
592	17.300	641	17.300	690	17.300	739	17.300	788	17.300	837	17.300
593	17.300	642	17.300	691	17.300	740	17.300	789	17.300	838	17.300
594	17.300	643	17.300	692	17.300	741	17.300	790	17.300	839	17.300
595	17.300	644	17.300	693	17.300	742	17.300	791	17.300	840	17.300
596	17.300	645	17.300	694	17.300	743	17.300	792	17.300	841	17.300
597	17.300	646	17.300	695	17.300	744	17.300	793	17.300	842	17.300
598	17.300	647	17.300	696	17.300	745	17.300	794	17.300	843	17.300
599	17.300	648	17.300	697	17.300	746	17.300	795	17.300	844	17.300
600	17.300	649	17.300	698	17.300	747	17.300	796	17.300	845	17.300
601	17.300	650	17.300	699	17.300	748	17.300	797	17.300	846	17.300
602	17.300	651	17.300	700	17.300	749	17.300	798	17.300	847	17.300
603	17.300	652	17.300	701	17.300	750	17.300	799	17.300	848	17.300
604	17.300	653	17.300	702	17.300	751	17.300	800	17.300	849	17.300
605	17.300	654	17.300	703	17.300	752	17.300	801	17.300	850	17.300
606	17.300	655	17.300	704	17.300	753	17.300	802	17.300	851	17.300
607	17.300	656	17.300	705	17.300	754	17.300	803	17.300	852	17.300
608	17.300	657	17.300	706	17.300	755	17.300	804	17.300	853	17.300
609	17.300	658	17.300	707	17.300	756	17.300	805	17.300	854	17.300
610	17.300	659	17.300	708	17.300	757	17.300	806	17.300	855	17.300
611	17.300	660	17.300	709	17.300	758	17.300	807	17.300	856	17.300
612	17.300	661	17.300	710	17.300	759	17.300	808	17.300	857	17.300
613	17.300	662	17.300	711	17.300	760	17.300	809	17.300	858	17.300
614	17.300	663	17.300	712	17.300	761	17.300	810	17.300	859	17.300
615	17.300	664	17.300	713	17.300	762	17.300	811	17.300	860	17.300
616	17.300	665	17.300	714	17.300	763	17.300	812	17.300	861	17.300
617	17.300	666	17.300	715	17.300	764	17.300	813	17.300	862	17.300
618	17.300	667	17.300	716	17.300	765	17.300	814	17.300	863	17.300
619	17.300	668	17.300	717	17.300	766	17.300	815	17.300	864	17.300
620	17.300	669	17.300	718	17.300	767	17.300	816	17.300	865	17.300
621	17.300	670	17.300	719	17.300	768	17.300	817	17.300	866	17.300
622	17.300	671	17.300	720	17.300	769	17.300	818	17.300	867	17.300
623	17.300	672	17.300	721	17.300	770	17.300	819	17.300	868	17.300
624	17.300	673	17.300	722	17.300	771	17.300	820	17.300	869	17.300
625	17.300	674	17.300	723	17.300	772	17.300	821	17.300	870	17.300
626	17.300	675	17.300	724	17.300	773	17.300	822	17.300	871	17.300
627	17.300	676	17.300	725	17.300	774	17.300	823	17.300	872	17.300
628	17.300	677	17.300	726	17.300	775	17.300	824	17.300	873	17.300
629	17.300	678	17.300	727	17.300	776	17.300	825	17.300	874	17.300
630	17.300	679	17.300	728	17.300	777	17.300	826	17.300	875	17.300
631	17.300	680	17.300	729	17.300	778	17.300	827	17.300	876	17.300
632	17.300	681	17.300	730	17.300	779	17.300	828	17.300	877	17.300
633	17.300	682	17.300	731	17.300	780	17.300	829	17.300	878	17.300
634	17.300	683	17.300	732	17.300	781	17.300	830	17.300	879	17.300
635	17.300	684	17.300	733	17.300	782	17.300	831	17.300	880	17.300
636	17.300	685	17.300	734	17.300	783	17.300	832	17.300	881	17.300
637	17.300	686	17.300	735	17.300	784	17.300	833	17.300	882	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
883	17.300	932	17.300	981	17.300	1030	17.300	1079	17.300	1128	17.300
884	17.300	933	17.300	982	17.300	1031	17.300	1080	17.300	1129	17.300
885	17.300	934	17.300	983	17.300	1032	17.300	1081	17.300	1130	17.300
886	17.300	935	17.300	984	17.300	1033	17.300	1082	17.300	1131	17.300
887	17.300	936	17.300	985	17.300	1034	17.300	1083	17.300	1132	17.300
888	17.300	937	17.300	986	17.300	1035	17.300	1084	17.300	1133	17.300
889	17.300	938	17.300	987	17.300	1036	17.300	1085	17.300	1134	17.300
890	17.300	939	17.300	988	17.300	1037	17.300	1086	17.300	1135	17.300
891	17.300	940	17.300	989	17.300	1038	17.300	1087	17.300	1136	17.300
892	17.300	941	17.300	990	17.300	1039	17.300	1088	17.300	1137	17.300
893	17.300	942	17.300	991	17.300	1040	17.300	1089	17.300	1138	17.300
894	17.300	943	17.300	992	17.300	1041	17.300	1090	17.300	1139	17.300
895	17.300	944	17.300	993	17.300	1042	17.300	1091	17.300	1140	17.300
896	17.300	945	17.300	994	17.300	1043	17.300	1092	17.300	1141	17.300
897	17.300	946	17.300	995	17.300	1044	17.300	1093	17.300	1142	17.300
898	17.300	947	17.300	996	17.300	1045	17.300	1094	17.300	1143	17.300
899	17.300	948	17.300	997	17.300	1046	17.300	1095	17.300	1144	17.300
900	17.300	949	17.300	998	17.300	1047	17.300	1096	17.300	1145	17.300
901	17.300	950	17.300	999	17.300	1048	17.300	1097	17.300	1146	17.300
902	17.300	951	17.300	1000	17.300	1049	17.300	1098	17.300	1147	17.300
903	17.300	952	17.300	1001	17.300	1050	17.300	1099	17.300	1148	17.300
904	17.300	953	17.300	1002	17.300	1051	17.300	1100	17.300	1149	17.300
905	17.300	954	17.300	1003	17.300	1052	17.300	1101	17.300	1150	17.300
906	17.300	955	17.300	1004	17.300	1053	17.300	1102	17.300	1151	17.300
907	17.300	956	17.300	1005	17.300	1054	17.300	1103	17.300	1152	17.300
908	17.300	957	17.300	1006	17.300	1055	17.300	1104	17.300	1153	17.300
909	17.300	958	17.300	1007	17.300	1056	17.300	1105	17.300	1154	17.300
910	17.300	959	17.300	1008	17.300	1057	17.300	1106	17.300	1155	17.300
911	17.300	960	17.300	1009	17.300	1058	17.300	1107	17.300	1156	17.300
912	17.300	961	17.300	1010	17.300	1059	17.300	1108	17.300	1157	17.300
913	17.300	962	17.300	1011	17.300	1060	17.300	1109	17.300	1158	17.300
914	17.300	963	17.300	1012	17.300	1061	17.300	1110	17.300	1159	17.300
915	17.300	964	17.300	1013	17.300	1062	17.300	1111	17.300	1160	17.300
916	17.300	965	17.300	1014	17.300	1063	17.300	1112	17.300	1161	17.300
917	17.300	966	17.300	1015	17.300	1064	17.300	1113	17.300	1162	17.300
918	17.300	967	17.300	1016	17.300	1065	17.300	1114	17.300	1163	17.300
919	17.300	968	17.300	1017	17.300	1066	17.300	1115	17.300	1164	17.300
920	17.300	969	17.300	1018	17.300	1067	17.300	1116	17.300	1165	17.300
921	17.300	970	17.300	1019	17.300	1068	17.300	1117	17.300	1166	17.300
922	17.300	971	17.300	1020	17.300	1069	17.300	1118	17.300	1167	17.300
923	17.300	972	17.300	1021	17.300	1070	17.300	1119	17.300	1168	17.300
924	17.300	973	17.300	1022	17.300	1071	17.300	1120	17.300	1169	17.300
925	17.300	974	17.300	1023	17.300	1072	17.300	1121	17.300	1170	17.300
926	17.300	975	17.300	1024	17.300	1073	17.300	1122	17.300	1171	17.300
927	17.300	976	17.300	1025	17.300	1074	17.300	1123	17.300	1172	17.300
928	17.300	977	17.300	1026	17.300	1075	17.300	1124	17.300	1173	17.300
929	17.300	978	17.300	1027	17.300	1076	17.300	1125	17.300	1174	17.300
930	17.300	979	17.300	1028	17.300	1077	17.300	1126	17.300	1175	17.300
931	17.300	980	17.300	1029	17.300	1078	17.300	1127	17.300	1176	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1177	17.300	1226	17.300	1275	17.300	1324	17.300	1373	17.300	1422	17.300
1178	17.300	1227	17.300	1276	17.300	1325	17.300	1374	17.300	1423	17.300
1179	17.300	1228	17.300	1277	17.300	1326	17.300	1375	17.300	1424	17.300
1180	17.300	1229	17.300	1278	17.300	1327	17.300	1376	17.300	1425	17.300
1181	17.300	1230	17.300	1279	17.300	1328	17.300	1377	17.300	1426	17.300
1182	17.300	1231	17.300	1280	17.300	1329	17.300	1378	17.300	1427	17.300
1183	17.300	1232	17.300	1281	17.300	1330	17.300	1379	17.300	1428	17.300
1184	17.300	1233	17.300	1282	17.300	1331	17.300	1380	17.300	1429	17.300
1185	17.300	1234	17.300	1283	17.300	1332	17.300	1381	17.300	1430	17.300
1186	17.300	1235	17.300	1284	17.300	1333	17.300	1382	17.300	1431	17.300
1187	17.300	1236	17.300	1285	17.300	1334	17.300	1383	17.300	1432	17.300
1188	17.300	1237	17.300	1286	17.300	1335	17.300	1384	17.300	1433	17.300
1189	17.300	1238	17.300	1287	17.300	1336	17.300	1385	17.300	1434	17.300
1190	17.300	1239	17.300	1288	17.300	1337	17.300	1386	17.300	1435	17.300
1191	17.300	1240	17.300	1289	17.300	1338	17.300	1387	17.300	1436	17.300
1192	17.300	1241	17.300	1290	17.300	1339	17.300	1388	17.300	1437	17.300
1193	17.300	1242	17.300	1291	17.300	1340	17.300	1389	17.300	1438	17.300
1194	17.300	1243	17.300	1292	17.300	1341	17.300	1390	17.300	1439	17.300
1195	17.300	1244	17.300	1293	17.300	1342	17.300	1391	17.300	1440	17.300
1196	17.300	1245	17.300	1294	17.300	1343	17.300	1392	17.300	1441	17.300
1197	17.300	1246	17.300	1295	17.300	1344	17.300	1393	17.300	1442	17.300
1198	17.300	1247	17.300	1296	17.300	1345	17.300	1394	17.300	1443	17.300
1199	17.300	1248	17.300	1297	17.300	1346	17.300	1395	17.300	1444	17.300
1200	17.300	1249	17.300	1298	17.300	1347	17.300	1396	17.300	1445	17.300
1201	17.300	1250	17.300	1299	17.300	1348	17.300	1397	17.300	1446	17.300
1202	17.300	1251	17.300	1300	17.300	1349	17.300	1398	17.300	1447	17.300
1203	17.300	1252	17.300	1301	17.300	1350	17.300	1399	17.300	1448	17.300
1204	17.300	1253	17.300	1302	17.300	1351	17.300	1400	17.300	1449	17.300
1205	17.300	1254	17.300	1303	17.300	1352	17.300	1401	17.300	1450	17.300
1206	17.300	1255	17.300	1304	17.300	1353	17.300	1402	17.300	1451	17.300
1207	17.300	1256	17.300	1305	17.300	1354	17.300	1403	17.300	1452	17.300
1208	17.300	1257	17.300	1306	17.300	1355	17.300	1404	17.300	1453	17.300
1209	17.300	1258	17.300	1307	17.300	1356	17.300	1405	17.300	1454	17.300
1210	17.300	1259	17.300	1308	17.300	1357	17.300	1406	17.300	1455	17.300
1211	17.300	1260	17.300	1309	17.300	1358	17.300	1407	17.300	1456	17.300
1212	17.300	1261	17.300	1310	17.300	1359	17.300	1408	17.300	1457	17.300
1213	17.300	1262	17.300	1311	17.300	1360	17.300	1409	17.300	1458	17.300
1214	17.300	1263	17.300	1312	17.300	1361	17.300	1410	17.300	1459	17.300
1215	17.300	1264	17.300	1313	17.300	1362	17.300	1411	17.300	1460	17.300
1216	17.300	1265	17.300	1314	17.300	1363	17.300	1412	17.300	1461	17.300
1217	17.300	1266	17.300	1315	17.300	1364	17.300	1413	17.300	1462	17.300
1218	17.300	1267	17.300	1316	17.300	1365	17.300	1414	17.300	1463	17.300
1219	17.300	1268	17.300	1317	17.300	1366	17.300	1415	17.300	1464	17.300
1220	17.300	1269	17.300	1318	17.300	1367	17.300	1416	17.300	1465	17.300
1221	17.300	1270	17.300	1319	17.300	1368	17.300	1417	17.300	1466	17.300
1222	17.300	1271	17.300	1320	17.300	1369	17.300	1418	17.300	1467	17.300
1223	17.300	1272	17.300	1321	17.300	1370	17.300	1419	17.300	1468	17.300
1224	17.300	1273	17.300	1322	17.300	1371	17.300	1420	17.300	1469	17.300
1225	17.300	1274	17.300	1323	17.300	1372	17.300	1421	17.300	1470	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1471	17.300	1520	17.300	1569	17.300	1618	17.300	1667	17.300	1716	17.300
1472	17.300	1521	17.300	1570	17.300	1619	17.300	1668	17.300	1717	17.300
1473	17.300	1522	17.300	1571	17.300	1620	17.300	1669	17.300	1718	17.300
1474	17.300	1523	17.300	1572	17.300	1621	17.300	1670	17.300	1719	17.300
1475	17.300	1524	17.300	1573	17.300	1622	17.300	1671	17.300	1720	17.300
1476	17.300	1525	17.300	1574	17.300	1623	17.300	1672	17.300	1721	17.300
1477	17.300	1526	17.300	1575	17.300	1624	17.300	1673	17.300	1722	17.300
1478	17.300	1527	17.300	1576	17.300	1625	17.300	1674	17.300	1723	17.300
1479	17.300	1528	17.300	1577	17.300	1626	17.300	1675	17.300	1724	17.300
1480	17.300	1529	17.300	1578	17.300	1627	17.300	1676	17.300	1725	17.300
1481	17.300	1530	17.300	1579	17.300	1628	17.300	1677	17.300	1726	17.300
1482	17.300	1531	17.300	1580	17.300	1629	17.300	1678	17.300	1727	17.300
1483	17.300	1532	17.300	1581	17.300	1630	17.300	1679	17.300	1728	17.300
1484	17.300	1533	17.300	1582	17.300	1631	17.300	1680	17.300	1729	17.300
1485	17.300	1534	17.300	1583	17.300	1632	17.300	1681	17.300	1730	17.300
1486	17.300	1535	17.300	1584	17.300	1633	17.300	1682	17.300	1731	17.300
1487	17.300	1536	17.300	1585	17.300	1634	17.300	1683	17.300	1732	17.300
1488	17.300	1537	17.300	1586	17.300	1635	17.300	1684	17.300	1733	17.300
1489	17.300	1538	17.300	1587	17.300	1636	17.300	1685	17.300	1734	17.300
1490	17.300	1539	17.300	1588	17.300	1637	17.300	1686	17.300	1735	17.300
1491	17.300	1540	17.300	1589	17.300	1638	17.300	1687	17.300	1736	17.300
1492	17.300	1541	17.300	1590	17.300	1639	17.300	1688	17.300	1737	17.300
1493	17.300	1542	17.300	1591	17.300	1640	17.300	1689	17.300	1738	17.300
1494	17.300	1543	17.300	1592	17.300	1641	17.300	1690	17.300	1739	17.300
1495	17.300	1544	17.300	1593	17.300	1642	17.300	1691	17.300	1740	17.300
1496	17.300	1545	17.300	1594	17.300	1643	17.300	1692	17.300	1741	17.300
1497	17.300	1546	17.300	1595	17.300	1644	17.300	1693	17.300	1742	17.300
1498	17.300	1547	17.300	1596	17.300	1645	17.300	1694	17.300	1743	17.300
1499	17.300	1548	17.300	1597	17.300	1646	17.300	1695	17.300	1744	17.300
1500	17.300	1549	17.300	1598	17.300	1647	17.300	1696	17.300	1745	17.300
1501	17.300	1550	17.300	1599	17.300	1648	17.300	1697	17.300	1746	17.300
1502	17.300	1551	17.300	1600	17.300	1649	17.300	1698	17.300	1747	17.300
1503	17.300	1552	17.300	1601	17.300	1650	17.300	1699	17.300	1748	17.300
1504	17.300	1553	17.300	1602	17.300	1651	17.300	1700	17.300	1749	17.300
1505	17.300	1554	17.300	1603	17.300	1652	17.300	1701	17.300	1750	17.300
1506	17.300	1555	17.300	1604	17.300	1653	17.300	1702	17.300	1751	17.300
1507	17.300	1556	17.300	1605	17.300	1654	17.300	1703	17.300	1752	17.300
1508	17.300	1557	17.300	1606	17.300	1655	17.300	1704	17.300	1753	17.300
1509	17.300	1558	17.300	1607	17.300	1656	17.300	1705	17.300	1754	17.300
1510	17.300	1559	17.300	1608	17.300	1657	17.300	1706	17.300	1755	17.300
1511	17.300	1560	17.300	1609	17.300	1658	17.300	1707	17.300	1756	17.300
1512	17.300	1561	17.300	1610	17.300	1659	17.300	1708	17.300	1757	17.300
1513	17.300	1562	17.300	1611	17.300	1660	17.300	1709	17.300	1758	17.300
1514	17.300	1563	17.300	1612	17.300	1661	17.300	1710	17.300	1759	17.300
1515	17.300	1564	17.300	1613	17.300	1662	17.300	1711	17.300	1760	17.300
1516	17.300	1565	17.300	1614	17.300	1663	17.300	1712	17.300	1761	17.300
1517	17.300	1566	17.300	1615	17.300	1664	17.300	1713	17.300	1762	17.300
1518	17.300	1567	17.300	1616	17.300	1665	17.300	1714	17.300	1763	17.300
1519	17.300	1568	17.300	1617	17.300	1666	17.300	1715	17.300	1764	17.300



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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1765	17.300	1814	17.300	1863	17.300	1912	17.300	1961	17.300	2010	17.300
1766	17.300	1815	17.300	1864	17.300	1913	17.300	1962	17.300	2011	17.300
1767	17.300	1816	17.300	1865	17.300	1914	17.300	1963	17.300	2012	17.300
1768	17.300	1817	17.300	1866	17.300	1915	17.300	1964	17.300	2013	17.300
1769	17.300	1818	17.300	1867	17.300	1916	17.300	1965	17.300	2014	17.300
1770	17.300	1819	17.300	1868	17.300	1917	17.300	1966	17.300	2015	17.300
1771	17.300	1820	17.300	1869	17.300	1918	17.300	1967	17.300	2016	17.300
1772	17.300	1821	17.300	1870	17.300	1919	17.300	1968	17.300	2017	17.300
1773	17.300	1822	17.300	1871	17.300	1920	17.300	1969	17.300	2018	17.300
1774	17.300	1823	17.300	1872	17.300	1921	17.300	1970	17.300	2019	17.300
1775	17.300	1824	17.300	1873	17.300	1922	17.300	1971	17.300	2020	17.300
1776	17.300	1825	17.300	1874	17.300	1923	17.300	1972	17.300	2021	17.300
1777	17.300	1826	17.300	1875	17.300	1924	17.300	1973	17.300	2022	17.300
1778	17.300	1827	17.300	1876	17.300	1925	17.300	1974	17.300	2023	17.300
1779	17.300	1828	17.300	1877	17.300	1926	17.300	1975	17.300	2024	17.300
1780	17.300	1829	17.300	1878	17.300	1927	17.300	1976	17.300	2025	17.300
1781	17.300	1830	17.300	1879	17.300	1928	17.300	1977	17.300	2026	17.300
1782	17.300	1831	17.300	1880	17.300	1929	17.300	1978	17.300	2027	17.300
1783	17.300	1832	17.300	1881	17.300	1930	17.300	1979	17.300	2028	17.300
1784	17.300	1833	17.300	1882	17.300	1931	17.300	1980	17.300	2029	17.300
1785	17.300	1834	17.300	1883	17.300	1932	17.300	1981	17.300	2030	17.300
1786	17.300	1835	17.300	1884	17.300	1933	17.300	1982	17.300	2031	17.300
1787	17.300	1836	17.300	1885	17.300	1934	17.300	1983	17.300	2032	17.300
1788	17.300	1837	17.300	1886	17.300	1935	17.300	1984	17.300	2033	17.300
1789	17.300	1838	17.300	1887	17.300	1936	17.300	1985	17.300	2034	17.300
1790	17.300	1839	17.300	1888	17.300	1937	17.300	1986	17.300	2035	17.300
1791	17.300	1840	17.300	1889	17.300	1938	17.300	1987	17.300	2036	17.300
1792	17.300	1841	17.300	1890	17.300	1939	17.300	1988	17.300	2037	17.300
1793	17.300	1842	17.300	1891	17.300	1940	17.300	1989	17.300	2038	17.300
1794	17.300	1843	17.300	1892	17.300	1941	17.300	1990	17.300	2039	17.300
1795	17.300	1844	17.300	1893	17.300	1942	17.300	1991	17.300	2040	17.300
1796	17.300	1845	17.300	1894	17.300	1943	17.300	1992	17.300	2041	17.300
1797	17.300	1846	17.300	1895	17.300	1944	17.300	1993	17.300	2042	17.300
1798	17.300	1847	17.300	1896	17.300	1945	17.300	1994	17.300	2043	17.300
1799	17.300	1848	17.300	1897	17.300	1946	17.300	1995	17.300	2044	17.300
1800	17.300	1849	17.300	1898	17.300	1947	17.300	1996	17.300	2045	17.300
1801	17.300	1850	17.300	1899	17.300	1948	17.300	1997	17.300	2046	17.300
1802	17.300	1851	17.300	1900	17.300	1949	17.300	1998	17.300	2047	17.300
1803	17.300	1852	17.300	1901	17.300	1950	17.300	1999	17.300	2048	17.300
1804	17.300	1853	17.300	1902	17.300	1951	17.300	2000	17.300	2049	17.300
1805	17.300	1854	17.300	1903	17.300	1952	17.300	2001	17.300	2050	17.300
1806	17.300	1855	17.300	1904	17.300	1953	17.300	2002	17.300	2051	17.300
1807	17.300	1856	17.300	1905	17.300	1954	17.300	2003	17.300	2052	17.300
1808	17.300	1857	17.300	1906	17.300	1955	17.300	2004	17.300	2053	17.300
1809	17.300	1858	17.300	1907	17.300	1956	17.300	2005	17.300	2054	17.300
1810	17.300	1859	17.300	1908	17.300	1957	17.300	2006	17.300	2055	17.300
1811	17.300	1860	17.300	1909	17.300	1958	17.300	2007	17.300	2056	17.300
1812	17.300	1861	17.300	1910	17.300	1959	17.300	2008	17.300	2057	17.300
1813	17.300	1862	17.300	1911	17.300	1960	17.300	2009	17.300	2058	17.300

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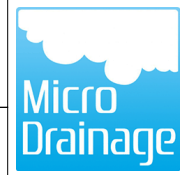
XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2059	17.300	2108	17.300	2157	17.300	2206	17.300	2255	17.300	2304	17.300
2060	17.300	2109	17.300	2158	17.300	2207	17.300	2256	17.300	2305	17.300
2061	17.300	2110	17.300	2159	17.300	2208	17.300	2257	17.300	2306	17.300
2062	17.300	2111	17.300	2160	17.300	2209	17.300	2258	17.300	2307	17.300
2063	17.300	2112	17.300	2161	17.300	2210	17.300	2259	17.300	2308	17.300
2064	17.300	2113	17.300	2162	17.300	2211	17.300	2260	17.300	2309	17.300
2065	17.300	2114	17.300	2163	17.300	2212	17.300	2261	17.300	2310	17.300
2066	17.300	2115	17.300	2164	17.300	2213	17.300	2262	17.300	2311	17.300
2067	17.300	2116	17.300	2165	17.300	2214	17.300	2263	17.300	2312	17.300
2068	17.300	2117	17.300	2166	17.300	2215	17.300	2264	17.300	2313	17.300
2069	17.300	2118	17.300	2167	17.300	2216	17.300	2265	17.300	2314	17.300
2070	17.300	2119	17.300	2168	17.300	2217	17.300	2266	17.300	2315	17.300
2071	17.300	2120	17.300	2169	17.300	2218	17.300	2267	17.300	2316	17.300
2072	17.300	2121	17.300	2170	17.300	2219	17.300	2268	17.300	2317	17.300
2073	17.300	2122	17.300	2171	17.300	2220	17.300	2269	17.300	2318	17.300
2074	17.300	2123	17.300	2172	17.300	2221	17.300	2270	17.300	2319	17.300
2075	17.300	2124	17.300	2173	17.300	2222	17.300	2271	17.300	2320	17.300
2076	17.300	2125	17.300	2174	17.300	2223	17.300	2272	17.300	2321	17.300
2077	17.300	2126	17.300	2175	17.300	2224	17.300	2273	17.300	2322	17.300
2078	17.300	2127	17.300	2176	17.300	2225	17.300	2274	17.300	2323	17.300
2079	17.300	2128	17.300	2177	17.300	2226	17.300	2275	17.300	2324	17.300
2080	17.300	2129	17.300	2178	17.300	2227	17.300	2276	17.300	2325	17.300
2081	17.300	2130	17.300	2179	17.300	2228	17.300	2277	17.300	2326	17.300
2082	17.300	2131	17.300	2180	17.300	2229	17.300	2278	17.300	2327	17.300
2083	17.300	2132	17.300	2181	17.300	2230	17.300	2279	17.300	2328	17.300
2084	17.300	2133	17.300	2182	17.300	2231	17.300	2280	17.300	2329	17.300
2085	17.300	2134	17.300	2183	17.300	2232	17.300	2281	17.300	2330	17.300
2086	17.300	2135	17.300	2184	17.300	2233	17.300	2282	17.300	2331	17.300
2087	17.300	2136	17.300	2185	17.300	2234	17.300	2283	17.300	2332	17.300
2088	17.300	2137	17.300	2186	17.300	2235	17.300	2284	17.300	2333	17.300
2089	17.300	2138	17.300	2187	17.300	2236	17.300	2285	17.300	2334	17.300
2090	17.300	2139	17.300	2188	17.300	2237	17.300	2286	17.300	2335	17.300
2091	17.300	2140	17.300	2189	17.300	2238	17.300	2287	17.300	2336	17.300
2092	17.300	2141	17.300	2190	17.300	2239	17.300	2288	17.300	2337	17.300
2093	17.300	2142	17.300	2191	17.300	2240	17.300	2289	17.300	2338	17.300
2094	17.300	2143	17.300	2192	17.300	2241	17.300	2290	17.300	2339	17.300
2095	17.300	2144	17.300	2193	17.300	2242	17.300	2291	17.300	2340	17.300
2096	17.300	2145	17.300	2194	17.300	2243	17.300	2292	17.300	2341	17.300
2097	17.300	2146	17.300	2195	17.300	2244	17.300	2293	17.300	2342	17.300
2098	17.300	2147	17.300	2196	17.300	2245	17.300	2294	17.300	2343	17.300
2099	17.300	2148	17.300	2197	17.300	2246	17.300	2295	17.300	2344	17.300
2100	17.300	2149	17.300	2198	17.300	2247	17.300	2296	17.300	2345	17.300
2101	17.300	2150	17.300	2199	17.300	2248	17.300	2297	17.300	2346	17.300
2102	17.300	2151	17.300	2200	17.300	2249	17.300	2298	17.300	2347	17.300
2103	17.300	2152	17.300	2201	17.300	2250	17.300	2299	17.300	2348	17.300
2104	17.300	2153	17.300	2202	17.300	2251	17.300	2300	17.300	2349	17.300
2105	17.300	2154	17.300	2203	17.300	2252	17.300	2301	17.300	2350	17.300
2106	17.300	2155	17.300	2204	17.300	2253	17.300	2302	17.300	2351	17.300
2107	17.300	2156	17.300	2205	17.300	2254	17.300	2303	17.300	2352	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2353	17.300	2402	17.300	2451	17.300	2500	17.300	2549	17.300	2598	17.300
2354	17.300	2403	17.300	2452	17.300	2501	17.300	2550	17.300	2599	17.300
2355	17.300	2404	17.300	2453	17.300	2502	17.300	2551	17.300	2600	17.300
2356	17.300	2405	17.300	2454	17.300	2503	17.300	2552	17.300	2601	17.300
2357	17.300	2406	17.300	2455	17.300	2504	17.300	2553	17.300	2602	17.300
2358	17.300	2407	17.300	2456	17.300	2505	17.300	2554	17.300	2603	17.300
2359	17.300	2408	17.300	2457	17.300	2506	17.300	2555	17.300	2604	17.300
2360	17.300	2409	17.300	2458	17.300	2507	17.300	2556	17.300	2605	17.300
2361	17.300	2410	17.300	2459	17.300	2508	17.300	2557	17.300	2606	17.300
2362	17.300	2411	17.300	2460	17.300	2509	17.300	2558	17.300	2607	17.300
2363	17.300	2412	17.300	2461	17.300	2510	17.300	2559	17.300	2608	17.300
2364	17.300	2413	17.300	2462	17.300	2511	17.300	2560	17.300	2609	17.300
2365	17.300	2414	17.300	2463	17.300	2512	17.300	2561	17.300	2610	17.300
2366	17.300	2415	17.300	2464	17.300	2513	17.300	2562	17.300	2611	17.300
2367	17.300	2416	17.300	2465	17.300	2514	17.300	2563	17.300	2612	17.300
2368	17.300	2417	17.300	2466	17.300	2515	17.300	2564	17.300	2613	17.300
2369	17.300	2418	17.300	2467	17.300	2516	17.300	2565	17.300	2614	17.300
2370	17.300	2419	17.300	2468	17.300	2517	17.300	2566	17.300	2615	17.300
2371	17.300	2420	17.300	2469	17.300	2518	17.300	2567	17.300	2616	17.300
2372	17.300	2421	17.300	2470	17.300	2519	17.300	2568	17.300	2617	17.300
2373	17.300	2422	17.300	2471	17.300	2520	17.300	2569	17.300	2618	17.300
2374	17.300	2423	17.300	2472	17.300	2521	17.300	2570	17.300	2619	17.300
2375	17.300	2424	17.300	2473	17.300	2522	17.300	2571	17.300	2620	17.300
2376	17.300	2425	17.300	2474	17.300	2523	17.300	2572	17.300	2621	17.300
2377	17.300	2426	17.300	2475	17.300	2524	17.300	2573	17.300	2622	17.300
2378	17.300	2427	17.300	2476	17.300	2525	17.300	2574	17.300	2623	17.300
2379	17.300	2428	17.300	2477	17.300	2526	17.300	2575	17.300	2624	17.300
2380	17.300	2429	17.300	2478	17.300	2527	17.300	2576	17.300	2625	17.300
2381	17.300	2430	17.300	2479	17.300	2528	17.300	2577	17.300	2626	17.300
2382	17.300	2431	17.300	2480	17.300	2529	17.300	2578	17.300	2627	17.300
2383	17.300	2432	17.300	2481	17.300	2530	17.300	2579	17.300	2628	17.300
2384	17.300	2433	17.300	2482	17.300	2531	17.300	2580	17.300	2629	17.300
2385	17.300	2434	17.300	2483	17.300	2532	17.300	2581	17.300	2630	17.300
2386	17.300	2435	17.300	2484	17.300	2533	17.300	2582	17.300	2631	17.300
2387	17.300	2436	17.300	2485	17.300	2534	17.300	2583	17.300	2632	17.300
2388	17.300	2437	17.300	2486	17.300	2535	17.300	2584	17.300	2633	17.300
2389	17.300	2438	17.300	2487	17.300	2536	17.300	2585	17.300	2634	17.300
2390	17.300	2439	17.300	2488	17.300	2537	17.300	2586	17.300	2635	17.300
2391	17.300	2440	17.300	2489	17.300	2538	17.300	2587	17.300	2636	17.300
2392	17.300	2441	17.300	2490	17.300	2539	17.300	2588	17.300	2637	17.300
2393	17.300	2442	17.300	2491	17.300	2540	17.300	2589	17.300	2638	17.300
2394	17.300	2443	17.300	2492	17.300	2541	17.300	2590	17.300	2639	17.300
2395	17.300	2444	17.300	2493	17.300	2542	17.300	2591	17.300	2640	17.300
2396	17.300	2445	17.300	2494	17.300	2543	17.300	2592	17.300	2641	17.300
2397	17.300	2446	17.300	2495	17.300	2544	17.300	2593	17.300	2642	17.300
2398	17.300	2447	17.300	2496	17.300	2545	17.300	2594	17.300	2643	17.300
2399	17.300	2448	17.300	2497	17.300	2546	17.300	2595	17.300	2644	17.300
2400	17.300	2449	17.300	2498	17.300	2547	17.300	2596	17.300	2645	17.300
2401	17.300	2450	17.300	2499	17.300	2548	17.300	2597	17.300	2646	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2647	17.300	2696	17.300	2745	17.300	2794	17.300	2843	17.300	2892	17.300
2648	17.300	2697	17.300	2746	17.300	2795	17.300	2844	17.300	2893	17.300
2649	17.300	2698	17.300	2747	17.300	2796	17.300	2845	17.300	2894	17.300
2650	17.300	2699	17.300	2748	17.300	2797	17.300	2846	17.300	2895	17.300
2651	17.300	2700	17.300	2749	17.300	2798	17.300	2847	17.300	2896	17.300
2652	17.300	2701	17.300	2750	17.300	2799	17.300	2848	17.300	2897	17.300
2653	17.300	2702	17.300	2751	17.300	2800	17.300	2849	17.300	2898	17.300
2654	17.300	2703	17.300	2752	17.300	2801	17.300	2850	17.300	2899	17.300
2655	17.300	2704	17.300	2753	17.300	2802	17.300	2851	17.300	2900	17.300
2656	17.300	2705	17.300	2754	17.300	2803	17.300	2852	17.300	2901	17.300
2657	17.300	2706	17.300	2755	17.300	2804	17.300	2853	17.300	2902	17.300
2658	17.300	2707	17.300	2756	17.300	2805	17.300	2854	17.300	2903	17.300
2659	17.300	2708	17.300	2757	17.300	2806	17.300	2855	17.300	2904	17.300
2660	17.300	2709	17.300	2758	17.300	2807	17.300	2856	17.300	2905	17.300
2661	17.300	2710	17.300	2759	17.300	2808	17.300	2857	17.300	2906	17.300
2662	17.300	2711	17.300	2760	17.300	2809	17.300	2858	17.300	2907	17.300
2663	17.300	2712	17.300	2761	17.300	2810	17.300	2859	17.300	2908	17.300
2664	17.300	2713	17.300	2762	17.300	2811	17.300	2860	17.300	2909	17.300
2665	17.300	2714	17.300	2763	17.300	2812	17.300	2861	17.300	2910	17.300
2666	17.300	2715	17.300	2764	17.300	2813	17.300	2862	17.300	2911	17.300
2667	17.300	2716	17.300	2765	17.300	2814	17.300	2863	17.300	2912	17.300
2668	17.300	2717	17.300	2766	17.300	2815	17.300	2864	17.300	2913	17.300
2669	17.300	2718	17.300	2767	17.300	2816	17.300	2865	17.300	2914	17.300
2670	17.300	2719	17.300	2768	17.300	2817	17.300	2866	17.300	2915	17.300
2671	17.300	2720	17.300	2769	17.300	2818	17.300	2867	17.300	2916	17.300
2672	17.300	2721	17.300	2770	17.300	2819	17.300	2868	17.300	2917	17.300
2673	17.300	2722	17.300	2771	17.300	2820	17.300	2869	17.300	2918	17.300
2674	17.300	2723	17.300	2772	17.300	2821	17.300	2870	17.300	2919	17.300
2675	17.300	2724	17.300	2773	17.300	2822	17.300	2871	17.300	2920	17.300
2676	17.300	2725	17.300	2774	17.300	2823	17.300	2872	17.300	2921	17.300
2677	17.300	2726	17.300	2775	17.300	2824	17.300	2873	17.300	2922	17.300
2678	17.300	2727	17.300	2776	17.300	2825	17.300	2874	17.300	2923	17.300
2679	17.300	2728	17.300	2777	17.300	2826	17.300	2875	17.300	2924	17.300
2680	17.300	2729	17.300	2778	17.300	2827	17.300	2876	17.300	2925	17.300
2681	17.300	2730	17.300	2779	17.300	2828	17.300	2877	17.300	2926	17.300
2682	17.300	2731	17.300	2780	17.300	2829	17.300	2878	17.300	2927	17.300
2683	17.300	2732	17.300	2781	17.300	2830	17.300	2879	17.300	2928	17.300
2684	17.300	2733	17.300	2782	17.300	2831	17.300	2880	17.300	2929	17.300
2685	17.300	2734	17.300	2783	17.300	2832	17.300	2881	17.300	2930	17.300
2686	17.300	2735	17.300	2784	17.300	2833	17.300	2882	17.300	2931	17.300
2687	17.300	2736	17.300	2785	17.300	2834	17.300	2883	17.300	2932	17.300
2688	17.300	2737	17.300	2786	17.300	2835	17.300	2884	17.300	2933	17.300
2689	17.300	2738	17.300	2787	17.300	2836	17.300	2885	17.300	2934	17.300
2690	17.300	2739	17.300	2788	17.300	2837	17.300	2886	17.300	2935	17.300
2691	17.300	2740	17.300	2789	17.300	2838	17.300	2887	17.300	2936	17.300
2692	17.300	2741	17.300	2790	17.300	2839	17.300	2888	17.300	2937	17.300
2693	17.300	2742	17.300	2791	17.300	2840	17.300	2889	17.300	2938	17.300
2694	17.300	2743	17.300	2792	17.300	2841	17.300	2890	17.300	2939	17.300
2695	17.300	2744	17.300	2793	17.300	2842	17.300	2891	17.300	2940	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2941	17.300	2990	17.300	3039	17.300	3088	17.300	3137	17.300	3186	17.300
2942	17.300	2991	17.300	3040	17.300	3089	17.300	3138	17.300	3187	17.300
2943	17.300	2992	17.300	3041	17.300	3090	17.300	3139	17.300	3188	17.300
2944	17.300	2993	17.300	3042	17.300	3091	17.300	3140	17.300	3189	17.300
2945	17.300	2994	17.300	3043	17.300	3092	17.300	3141	17.300	3190	17.300
2946	17.300	2995	17.300	3044	17.300	3093	17.300	3142	17.300	3191	17.300
2947	17.300	2996	17.300	3045	17.300	3094	17.300	3143	17.300	3192	17.300
2948	17.300	2997	17.300	3046	17.300	3095	17.300	3144	17.300	3193	17.300
2949	17.300	2998	17.300	3047	17.300	3096	17.300	3145	17.300	3194	17.300
2950	17.300	2999	17.300	3048	17.300	3097	17.300	3146	17.300	3195	17.300
2951	17.300	3000	17.300	3049	17.300	3098	17.300	3147	17.300	3196	17.300
2952	17.300	3001	17.300	3050	17.300	3099	17.300	3148	17.300	3197	17.300
2953	17.300	3002	17.300	3051	17.300	3100	17.300	3149	17.300	3198	17.300
2954	17.300	3003	17.300	3052	17.300	3101	17.300	3150	17.300	3199	17.300
2955	17.300	3004	17.300	3053	17.300	3102	17.300	3151	17.300	3200	17.300
2956	17.300	3005	17.300	3054	17.300	3103	17.300	3152	17.300	3201	17.300
2957	17.300	3006	17.300	3055	17.300	3104	17.300	3153	17.300	3202	17.300
2958	17.300	3007	17.300	3056	17.300	3105	17.300	3154	17.300	3203	17.300
2959	17.300	3008	17.300	3057	17.300	3106	17.300	3155	17.300	3204	17.300
2960	17.300	3009	17.300	3058	17.300	3107	17.300	3156	17.300	3205	17.300
2961	17.300	3010	17.300	3059	17.300	3108	17.300	3157	17.300	3206	17.300
2962	17.300	3011	17.300	3060	17.300	3109	17.300	3158	17.300	3207	17.300
2963	17.300	3012	17.300	3061	17.300	3110	17.300	3159	17.300	3208	17.300
2964	17.300	3013	17.300	3062	17.300	3111	17.300	3160	17.300	3209	17.300
2965	17.300	3014	17.300	3063	17.300	3112	17.300	3161	17.300	3210	17.300
2966	17.300	3015	17.300	3064	17.300	3113	17.300	3162	17.300	3211	17.300
2967	17.300	3016	17.300	3065	17.300	3114	17.300	3163	17.300	3212	17.300
2968	17.300	3017	17.300	3066	17.300	3115	17.300	3164	17.300	3213	17.300
2969	17.300	3018	17.300	3067	17.300	3116	17.300	3165	17.300	3214	17.300
2970	17.300	3019	17.300	3068	17.300	3117	17.300	3166	17.300	3215	17.300
2971	17.300	3020	17.300	3069	17.300	3118	17.300	3167	17.300	3216	17.300
2972	17.300	3021	17.300	3070	17.300	3119	17.300	3168	17.300	3217	17.300
2973	17.300	3022	17.300	3071	17.300	3120	17.300	3169	17.300	3218	17.300
2974	17.300	3023	17.300	3072	17.300	3121	17.300	3170	17.300	3219	17.300
2975	17.300	3024	17.300	3073	17.300	3122	17.300	3171	17.300	3220	17.300
2976	17.300	3025	17.300	3074	17.300	3123	17.300	3172	17.300	3221	17.300
2977	17.300	3026	17.300	3075	17.300	3124	17.300	3173	17.300	3222	17.300
2978	17.300	3027	17.300	3076	17.300	3125	17.300	3174	17.300	3223	17.300
2979	17.300	3028	17.300	3077	17.300	3126	17.300	3175	17.300	3224	17.300
2980	17.300	3029	17.300	3078	17.300	3127	17.300	3176	17.300	3225	17.300
2981	17.300	3030	17.300	3079	17.300	3128	17.300	3177	17.300	3226	17.300
2982	17.300	3031	17.300	3080	17.300	3129	17.300	3178	17.300	3227	17.300
2983	17.300	3032	17.300	3081	17.300	3130	17.300	3179	17.300	3228	17.300
2984	17.300	3033	17.300	3082	17.300	3131	17.300	3180	17.300	3229	17.300
2985	17.300	3034	17.300	3083	17.300	3132	17.300	3181	17.300	3230	17.300
2986	17.300	3035	17.300	3084	17.300	3133	17.300	3182	17.300	3231	17.300
2987	17.300	3036	17.300	3085	17.300	3134	17.300	3183	17.300	3232	17.300
2988	17.300	3037	17.300	3086	17.300	3135	17.300	3184	17.300	3233	17.300
2989	17.300	3038	17.300	3087	17.300	3136	17.300	3185	17.300	3234	17.300



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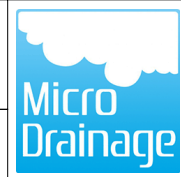
Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3235	17.300	3284	17.300	3333	17.300	3382	17.300	3431	17.300	3480	17.300
3236	17.300	3285	17.300	3334	17.300	3383	17.300	3432	17.300	3481	17.300
3237	17.300	3286	17.300	3335	17.300	3384	17.300	3433	17.300	3482	17.300
3238	17.300	3287	17.300	3336	17.300	3385	17.300	3434	17.300	3483	17.300
3239	17.300	3288	17.300	3337	17.300	3386	17.300	3435	17.300	3484	17.300
3240	17.300	3289	17.300	3338	17.300	3387	17.300	3436	17.300	3485	17.300
3241	17.300	3290	17.300	3339	17.300	3388	17.300	3437	17.300	3486	17.300
3242	17.300	3291	17.300	3340	17.300	3389	17.300	3438	17.300	3487	17.300
3243	17.300	3292	17.300	3341	17.300	3390	17.300	3439	17.300	3488	17.300
3244	17.300	3293	17.300	3342	17.300	3391	17.300	3440	17.300	3489	17.300
3245	17.300	3294	17.300	3343	17.300	3392	17.300	3441	17.300	3490	17.300
3246	17.300	3295	17.300	3344	17.300	3393	17.300	3442	17.300	3491	17.300
3247	17.300	3296	17.300	3345	17.300	3394	17.300	3443	17.300	3492	17.300
3248	17.300	3297	17.300	3346	17.300	3395	17.300	3444	17.300	3493	17.300
3249	17.300	3298	17.300	3347	17.300	3396	17.300	3445	17.300	3494	17.300
3250	17.300	3299	17.300	3348	17.300	3397	17.300	3446	17.300	3495	17.300
3251	17.300	3300	17.300	3349	17.300	3398	17.300	3447	17.300	3496	17.300
3252	17.300	3301	17.300	3350	17.300	3399	17.300	3448	17.300	3497	17.300
3253	17.300	3302	17.300	3351	17.300	3400	17.300	3449	17.300	3498	17.300
3254	17.300	3303	17.300	3352	17.300	3401	17.300	3450	17.300	3499	17.300
3255	17.300	3304	17.300	3353	17.300	3402	17.300	3451	17.300	3500	17.300
3256	17.300	3305	17.300	3354	17.300	3403	17.300	3452	17.300	3501	17.300
3257	17.300	3306	17.300	3355	17.300	3404	17.300	3453	17.300	3502	17.300
3258	17.300	3307	17.300	3356	17.300	3405	17.300	3454	17.300	3503	17.300
3259	17.300	3308	17.300	3357	17.300	3406	17.300	3455	17.300	3504	17.300
3260	17.300	3309	17.300	3358	17.300	3407	17.300	3456	17.300	3505	17.300
3261	17.300	3310	17.300	3359	17.300	3408	17.300	3457	17.300	3506	17.300
3262	17.300	3311	17.300	3360	17.300	3409	17.300	3458	17.300	3507	17.300
3263	17.300	3312	17.300	3361	17.300	3410	17.300	3459	17.300	3508	17.300
3264	17.300	3313	17.300	3362	17.300	3411	17.300	3460	17.300	3509	17.300
3265	17.300	3314	17.300	3363	17.300	3412	17.300	3461	17.300	3510	17.300
3266	17.300	3315	17.300	3364	17.300	3413	17.300	3462	17.300	3511	17.300
3267	17.300	3316	17.300	3365	17.300	3414	17.300	3463	17.300	3512	17.300
3268	17.300	3317	17.300	3366	17.300	3415	17.300	3464	17.300	3513	17.300
3269	17.300	3318	17.300	3367	17.300	3416	17.300	3465	17.300	3514	17.300
3270	17.300	3319	17.300	3368	17.300	3417	17.300	3466	17.300	3515	17.300
3271	17.300	3320	17.300	3369	17.300	3418	17.300	3467	17.300	3516	17.300
3272	17.300	3321	17.300	3370	17.300	3419	17.300	3468	17.300	3517	17.300
3273	17.300	3322	17.300	3371	17.300	3420	17.300	3469	17.300	3518	17.300
3274	17.300	3323	17.300	3372	17.300	3421	17.300	3470	17.300	3519	17.300
3275	17.300	3324	17.300	3373	17.300	3422	17.300	3471	17.300	3520	17.300
3276	17.300	3325	17.300	3374	17.300	3423	17.300	3472	17.300	3521	17.300
3277	17.300	3326	17.300	3375	17.300	3424	17.300	3473	17.300	3522	17.300
3278	17.300	3327	17.300	3376	17.300	3425	17.300	3474	17.300	3523	17.300
3279	17.300	3328	17.300	3377	17.300	3426	17.300	3475	17.300	3524	17.300
3280	17.300	3329	17.300	3378	17.300	3427	17.300	3476	17.300	3525	17.300
3281	17.300	3330	17.300	3379	17.300	3428	17.300	3477	17.300	3526	17.300
3282	17.300	3331	17.300	3380	17.300	3429	17.300	3478	17.300	3527	17.300
3283	17.300	3332	17.300	3381	17.300	3430	17.300	3479	17.300	3528	17.300



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Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3529	17.300	3578	17.300	3627	17.300	3676	17.300	3725	17.300	3774	17.300
3530	17.300	3579	17.300	3628	17.300	3677	17.300	3726	17.300	3775	17.300
3531	17.300	3580	17.300	3629	17.300	3678	17.300	3727	17.300	3776	17.300
3532	17.300	3581	17.300	3630	17.300	3679	17.300	3728	17.300	3777	17.300
3533	17.300	3582	17.300	3631	17.300	3680	17.300	3729	17.300	3778	17.300
3534	17.300	3583	17.300	3632	17.300	3681	17.300	3730	17.300	3779	17.300
3535	17.300	3584	17.300	3633	17.300	3682	17.300	3731	17.300	3780	17.300
3536	17.300	3585	17.300	3634	17.300	3683	17.300	3732	17.300	3781	17.300
3537	17.300	3586	17.300	3635	17.300	3684	17.300	3733	17.300	3782	17.300
3538	17.300	3587	17.300	3636	17.300	3685	17.300	3734	17.300	3783	17.300
3539	17.300	3588	17.300	3637	17.300	3686	17.300	3735	17.300	3784	17.300
3540	17.300	3589	17.300	3638	17.300	3687	17.300	3736	17.300	3785	17.300
3541	17.300	3590	17.300	3639	17.300	3688	17.300	3737	17.300	3786	17.300
3542	17.300	3591	17.300	3640	17.300	3689	17.300	3738	17.300	3787	17.300
3543	17.300	3592	17.300	3641	17.300	3690	17.300	3739	17.300	3788	17.300
3544	17.300	3593	17.300	3642	17.300	3691	17.300	3740	17.300	3789	17.300
3545	17.300	3594	17.300	3643	17.300	3692	17.300	3741	17.300	3790	17.300
3546	17.300	3595	17.300	3644	17.300	3693	17.300	3742	17.300	3791	17.300
3547	17.300	3596	17.300	3645	17.300	3694	17.300	3743	17.300	3792	17.300
3548	17.300	3597	17.300	3646	17.300	3695	17.300	3744	17.300	3793	17.300
3549	17.300	3598	17.300	3647	17.300	3696	17.300	3745	17.300	3794	17.300
3550	17.300	3599	17.300	3648	17.300	3697	17.300	3746	17.300	3795	17.300
3551	17.300	3600	17.300	3649	17.300	3698	17.300	3747	17.300	3796	17.300
3552	17.300	3601	17.300	3650	17.300	3699	17.300	3748	17.300	3797	17.300
3553	17.300	3602	17.300	3651	17.300	3700	17.300	3749	17.300	3798	17.300
3554	17.300	3603	17.300	3652	17.300	3701	17.300	3750	17.300	3799	17.300
3555	17.300	3604	17.300	3653	17.300	3702	17.300	3751	17.300	3800	17.300
3556	17.300	3605	17.300	3654	17.300	3703	17.300	3752	17.300	3801	17.300
3557	17.300	3606	17.300	3655	17.300	3704	17.300	3753	17.300	3802	17.300
3558	17.300	3607	17.300	3656	17.300	3705	17.300	3754	17.300	3803	17.300
3559	17.300	3608	17.300	3657	17.300	3706	17.300	3755	17.300	3804	17.300
3560	17.300	3609	17.300	3658	17.300	3707	17.300	3756	17.300	3805	17.300
3561	17.300	3610	17.300	3659	17.300	3708	17.300	3757	17.300	3806	17.300
3562	17.300	3611	17.300	3660	17.300	3709	17.300	3758	17.300	3807	17.300
3563	17.300	3612	17.300	3661	17.300	3710	17.300	3759	17.300	3808	17.300
3564	17.300	3613	17.300	3662	17.300	3711	17.300	3760	17.300	3809	17.300
3565	17.300	3614	17.300	3663	17.300	3712	17.300	3761	17.300	3810	17.300
3566	17.300	3615	17.300	3664	17.300	3713	17.300	3762	17.300	3811	17.300
3567	17.300	3616	17.300	3665	17.300	3714	17.300	3763	17.300	3812	17.300
3568	17.300	3617	17.300	3666	17.300	3715	17.300	3764	17.300	3813	17.300
3569	17.300	3618	17.300	3667	17.300	3716	17.300	3765	17.300	3814	17.300
3570	17.300	3619	17.300	3668	17.300	3717	17.300	3766	17.300	3815	17.300
3571	17.300	3620	17.300	3669	17.300	3718	17.300	3767	17.300	3816	17.300
3572	17.300	3621	17.300	3670	17.300	3719	17.300	3768	17.300	3817	17.300
3573	17.300	3622	17.300	3671	17.300	3720	17.300	3769	17.300	3818	17.300
3574	17.300	3623	17.300	3672	17.300	3721	17.300	3770	17.300	3819	17.300
3575	17.300	3624	17.300	3673	17.300	3722	17.300	3771	17.300	3820	17.300
3576	17.300	3625	17.300	3674	17.300	3723	17.300	3772	17.300	3821	17.300
3577	17.300	3626	17.300	3675	17.300	3724	17.300	3773	17.300	3822	17.300



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Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3823	17.300	3872	17.300	3921	17.300	3970	17.300	4019	17.300	4068	17.300
3824	17.300	3873	17.300	3922	17.300	3971	17.300	4020	17.300	4069	17.300
3825	17.300	3874	17.300	3923	17.300	3972	17.300	4021	17.300	4070	17.300
3826	17.300	3875	17.300	3924	17.300	3973	17.300	4022	17.300	4071	17.300
3827	17.300	3876	17.300	3925	17.300	3974	17.300	4023	17.300	4072	17.300
3828	17.300	3877	17.300	3926	17.300	3975	17.300	4024	17.300	4073	17.300
3829	17.300	3878	17.300	3927	17.300	3976	17.300	4025	17.300	4074	17.300
3830	17.300	3879	17.300	3928	17.300	3977	17.300	4026	17.300	4075	17.300
3831	17.300	3880	17.300	3929	17.300	3978	17.300	4027	17.300	4076	17.300
3832	17.300	3881	17.300	3930	17.300	3979	17.300	4028	17.300	4077	17.300
3833	17.300	3882	17.300	3931	17.300	3980	17.300	4029	17.300	4078	17.300
3834	17.300	3883	17.300	3932	17.300	3981	17.300	4030	17.300	4079	17.300
3835	17.300	3884	17.300	3933	17.300	3982	17.300	4031	17.300	4080	17.300
3836	17.300	3885	17.300	3934	17.300	3983	17.300	4032	17.300	4081	17.300
3837	17.300	3886	17.300	3935	17.300	3984	17.300	4033	17.300	4082	17.300
3838	17.300	3887	17.300	3936	17.300	3985	17.300	4034	17.300	4083	17.300
3839	17.300	3888	17.300	3937	17.300	3986	17.300	4035	17.300	4084	17.300
3840	17.300	3889	17.300	3938	17.300	3987	17.300	4036	17.300	4085	17.300
3841	17.300	3890	17.300	3939	17.300	3988	17.300	4037	17.300	4086	17.300
3842	17.300	3891	17.300	3940	17.300	3989	17.300	4038	17.300	4087	17.300
3843	17.300	3892	17.300	3941	17.300	3990	17.300	4039	17.300	4088	17.300
3844	17.300	3893	17.300	3942	17.300	3991	17.300	4040	17.300	4089	17.300
3845	17.300	3894	17.300	3943	17.300	3992	17.300	4041	17.300	4090	17.300
3846	17.300	3895	17.300	3944	17.300	3993	17.300	4042	17.300	4091	17.300
3847	17.300	3896	17.300	3945	17.300	3994	17.300	4043	17.300	4092	17.300
3848	17.300	3897	17.300	3946	17.300	3995	17.300	4044	17.300	4093	17.300
3849	17.300	3898	17.300	3947	17.300	3996	17.300	4045	17.300	4094	17.300
3850	17.300	3899	17.300	3948	17.300	3997	17.300	4046	17.300	4095	17.300
3851	17.300	3900	17.300	3949	17.300	3998	17.300	4047	17.300	4096	17.300
3852	17.300	3901	17.300	3950	17.300	3999	17.300	4048	17.300	4097	17.300
3853	17.300	3902	17.300	3951	17.300	4000	17.300	4049	17.300	4098	17.300
3854	17.300	3903	17.300	3952	17.300	4001	17.300	4050	17.300	4099	17.300
3855	17.300	3904	17.300	3953	17.300	4002	17.300	4051	17.300	4100	17.300
3856	17.300	3905	17.300	3954	17.300	4003	17.300	4052	17.300	4101	17.300
3857	17.300	3906	17.300	3955	17.300	4004	17.300	4053	17.300	4102	17.300
3858	17.300	3907	17.300	3956	17.300	4005	17.300	4054	17.300	4103	17.300
3859	17.300	3908	17.300	3957	17.300	4006	17.300	4055	17.300	4104	17.300
3860	17.300	3909	17.300	3958	17.300	4007	17.300	4056	17.300	4105	17.300
3861	17.300	3910	17.300	3959	17.300	4008	17.300	4057	17.300	4106	17.300
3862	17.300	3911	17.300	3960	17.300	4009	17.300	4058	17.300	4107	17.300
3863	17.300	3912	17.300	3961	17.300	4010	17.300	4059	17.300	4108	17.300
3864	17.300	3913	17.300	3962	17.300	4011	17.300	4060	17.300	4109	17.300
3865	17.300	3914	17.300	3963	17.300	4012	17.300	4061	17.300	4110	17.300
3866	17.300	3915	17.300	3964	17.300	4013	17.300	4062	17.300	4111	17.300
3867	17.300	3916	17.300	3965	17.300	4014	17.300	4063	17.300	4112	17.300
3868	17.300	3917	17.300	3966	17.300	4015	17.300	4064	17.300	4113	17.300
3869	17.300	3918	17.300	3967	17.300	4016	17.300	4065	17.300	4114	17.300
3870	17.300	3919	17.300	3968	17.300	4017	17.300	4066	17.300	4115	17.300
3871	17.300	3920	17.300	3969	17.300	4018	17.300	4067	17.300	4116	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4117	17.300	4166	17.300	4215	17.300	4264	17.300	4313	17.300	4362	17.300
4118	17.300	4167	17.300	4216	17.300	4265	17.300	4314	17.300	4363	17.300
4119	17.300	4168	17.300	4217	17.300	4266	17.300	4315	17.300	4364	17.300
4120	17.300	4169	17.300	4218	17.300	4267	17.300	4316	17.300	4365	17.300
4121	17.300	4170	17.300	4219	17.300	4268	17.300	4317	17.300	4366	17.300
4122	17.300	4171	17.300	4220	17.300	4269	17.300	4318	17.300	4367	17.300
4123	17.300	4172	17.300	4221	17.300	4270	17.300	4319	17.300	4368	17.300
4124	17.300	4173	17.300	4222	17.300	4271	17.300	4320	17.300	4369	17.300
4125	17.300	4174	17.300	4223	17.300	4272	17.300	4321	17.300	4370	17.300
4126	17.300	4175	17.300	4224	17.300	4273	17.300	4322	17.300	4371	17.300
4127	17.300	4176	17.300	4225	17.300	4274	17.300	4323	17.300	4372	17.300
4128	17.300	4177	17.300	4226	17.300	4275	17.300	4324	17.300	4373	17.300
4129	17.300	4178	17.300	4227	17.300	4276	17.300	4325	17.300	4374	17.300
4130	17.300	4179	17.300	4228	17.300	4277	17.300	4326	17.300	4375	17.300
4131	17.300	4180	17.300	4229	17.300	4278	17.300	4327	17.300	4376	17.300
4132	17.300	4181	17.300	4230	17.300	4279	17.300	4328	17.300	4377	17.300
4133	17.300	4182	17.300	4231	17.300	4280	17.300	4329	17.300	4378	17.300
4134	17.300	4183	17.300	4232	17.300	4281	17.300	4330	17.300	4379	17.300
4135	17.300	4184	17.300	4233	17.300	4282	17.300	4331	17.300	4380	17.300
4136	17.300	4185	17.300	4234	17.300	4283	17.300	4332	17.300	4381	17.300
4137	17.300	4186	17.300	4235	17.300	4284	17.300	4333	17.300	4382	17.300
4138	17.300	4187	17.300	4236	17.300	4285	17.300	4334	17.300	4383	17.300
4139	17.300	4188	17.300	4237	17.300	4286	17.300	4335	17.300	4384	17.300
4140	17.300	4189	17.300	4238	17.300	4287	17.300	4336	17.300	4385	17.300
4141	17.300	4190	17.300	4239	17.300	4288	17.300	4337	17.300	4386	17.300
4142	17.300	4191	17.300	4240	17.300	4289	17.300	4338	17.300	4387	17.300
4143	17.300	4192	17.300	4241	17.300	4290	17.300	4339	17.300	4388	17.300
4144	17.300	4193	17.300	4242	17.300	4291	17.300	4340	17.300	4389	17.300
4145	17.300	4194	17.300	4243	17.300	4292	17.300	4341	17.300	4390	17.300
4146	17.300	4195	17.300	4244	17.300	4293	17.300	4342	17.300	4391	17.300
4147	17.300	4196	17.300	4245	17.300	4294	17.300	4343	17.300	4392	17.300
4148	17.300	4197	17.300	4246	17.300	4295	17.300	4344	17.300	4393	17.300
4149	17.300	4198	17.300	4247	17.300	4296	17.300	4345	17.300	4394	17.300
4150	17.300	4199	17.300	4248	17.300	4297	17.300	4346	17.300	4395	17.300
4151	17.300	4200	17.300	4249	17.300	4298	17.300	4347	17.300	4396	17.300
4152	17.300	4201	17.300	4250	17.300	4299	17.300	4348	17.300	4397	17.300
4153	17.300	4202	17.300	4251	17.300	4300	17.300	4349	17.300	4398	17.300
4154	17.300	4203	17.300	4252	17.300	4301	17.300	4350	17.300	4399	17.300
4155	17.300	4204	17.300	4253	17.300	4302	17.300	4351	17.300	4400	17.300
4156	17.300	4205	17.300	4254	17.300	4303	17.300	4352	17.300	4401	17.300
4157	17.300	4206	17.300	4255	17.300	4304	17.300	4353	17.300	4402	17.300
4158	17.300	4207	17.300	4256	17.300	4305	17.300	4354	17.300	4403	17.300
4159	17.300	4208	17.300	4257	17.300	4306	17.300	4355	17.300	4404	17.300
4160	17.300	4209	17.300	4258	17.300	4307	17.300	4356	17.300	4405	17.300
4161	17.300	4210	17.300	4259	17.300	4308	17.300	4357	17.300	4406	17.300
4162	17.300	4211	17.300	4260	17.300	4309	17.300	4358	17.300	4407	17.300
4163	17.300	4212	17.300	4261	17.300	4310	17.300	4359	17.300	4408	17.300
4164	17.300	4213	17.300	4262	17.300	4311	17.300	4360	17.300	4409	17.300
4165	17.300	4214	17.300	4263	17.300	4312	17.300	4361	17.300	4410	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4411	17.300	4460	17.300	4509	17.300	4558	17.300	4607	17.300	4656	17.300
4412	17.300	4461	17.300	4510	17.300	4559	17.300	4608	17.300	4657	17.300
4413	17.300	4462	17.300	4511	17.300	4560	17.300	4609	17.300	4658	17.300
4414	17.300	4463	17.300	4512	17.300	4561	17.300	4610	17.300	4659	17.300
4415	17.300	4464	17.300	4513	17.300	4562	17.300	4611	17.300	4660	17.300
4416	17.300	4465	17.300	4514	17.300	4563	17.300	4612	17.300	4661	17.300
4417	17.300	4466	17.300	4515	17.300	4564	17.300	4613	17.300	4662	17.300
4418	17.300	4467	17.300	4516	17.300	4565	17.300	4614	17.300	4663	17.300
4419	17.300	4468	17.300	4517	17.300	4566	17.300	4615	17.300	4664	17.300
4420	17.300	4469	17.300	4518	17.300	4567	17.300	4616	17.300	4665	17.300
4421	17.300	4470	17.300	4519	17.300	4568	17.300	4617	17.300	4666	17.300
4422	17.300	4471	17.300	4520	17.300	4569	17.300	4618	17.300	4667	17.300
4423	17.300	4472	17.300	4521	17.300	4570	17.300	4619	17.300	4668	17.300
4424	17.300	4473	17.300	4522	17.300	4571	17.300	4620	17.300	4669	17.300
4425	17.300	4474	17.300	4523	17.300	4572	17.300	4621	17.300	4670	17.300
4426	17.300	4475	17.300	4524	17.300	4573	17.300	4622	17.300	4671	17.300
4427	17.300	4476	17.300	4525	17.300	4574	17.300	4623	17.300	4672	17.300
4428	17.300	4477	17.300	4526	17.300	4575	17.300	4624	17.300	4673	17.300
4429	17.300	4478	17.300	4527	17.300	4576	17.300	4625	17.300	4674	17.300
4430	17.300	4479	17.300	4528	17.300	4577	17.300	4626	17.300	4675	17.300
4431	17.300	4480	17.300	4529	17.300	4578	17.300	4627	17.300	4676	17.300
4432	17.300	4481	17.300	4530	17.300	4579	17.300	4628	17.300	4677	17.300
4433	17.300	4482	17.300	4531	17.300	4580	17.300	4629	17.300	4678	17.300
4434	17.300	4483	17.300	4532	17.300	4581	17.300	4630	17.300	4679	17.300
4435	17.300	4484	17.300	4533	17.300	4582	17.300	4631	17.300	4680	17.300
4436	17.300	4485	17.300	4534	17.300	4583	17.300	4632	17.300	4681	17.300
4437	17.300	4486	17.300	4535	17.300	4584	17.300	4633	17.300	4682	17.300
4438	17.300	4487	17.300	4536	17.300	4585	17.300	4634	17.300	4683	17.300
4439	17.300	4488	17.300	4537	17.300	4586	17.300	4635	17.300	4684	17.300
4440	17.300	4489	17.300	4538	17.300	4587	17.300	4636	17.300	4685	17.300
4441	17.300	4490	17.300	4539	17.300	4588	17.300	4637	17.300	4686	17.300
4442	17.300	4491	17.300	4540	17.300	4589	17.300	4638	17.300	4687	17.300
4443	17.300	4492	17.300	4541	17.300	4590	17.300	4639	17.300	4688	17.300
4444	17.300	4493	17.300	4542	17.300	4591	17.300	4640	17.300	4689	17.300
4445	17.300	4494	17.300	4543	17.300	4592	17.300	4641	17.300	4690	17.300
4446	17.300	4495	17.300	4544	17.300	4593	17.300	4642	17.300	4691	17.300
4447	17.300	4496	17.300	4545	17.300	4594	17.300	4643	17.300	4692	17.300
4448	17.300	4497	17.300	4546	17.300	4595	17.300	4644	17.300	4693	17.300
4449	17.300	4498	17.300	4547	17.300	4596	17.300	4645	17.300	4694	17.300
4450	17.300	4499	17.300	4548	17.300	4597	17.300	4646	17.300	4695	17.300
4451	17.300	4500	17.300	4549	17.300	4598	17.300	4647	17.300	4696	17.300
4452	17.300	4501	17.300	4550	17.300	4599	17.300	4648	17.300	4697	17.300
4453	17.300	4502	17.300	4551	17.300	4600	17.300	4649	17.300	4698	17.300
4454	17.300	4503	17.300	4552	17.300	4601	17.300	4650	17.300	4699	17.300
4455	17.300	4504	17.300	4553	17.300	4602	17.300	4651	17.300	4700	17.300
4456	17.300	4505	17.300	4554	17.300	4603	17.300	4652	17.300	4701	17.300
4457	17.300	4506	17.300	4555	17.300	4604	17.300	4653	17.300	4702	17.300
4458	17.300	4507	17.300	4556	17.300	4605	17.300	4654	17.300	4703	17.300
4459	17.300	4508	17.300	4557	17.300	4606	17.300	4655	17.300	4704	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4705	17.300	4754	17.300	4803	17.300	4852	17.300	4901	17.300	4950	17.300
4706	17.300	4755	17.300	4804	17.300	4853	17.300	4902	17.300	4951	17.300
4707	17.300	4756	17.300	4805	17.300	4854	17.300	4903	17.300	4952	17.300
4708	17.300	4757	17.300	4806	17.300	4855	17.300	4904	17.300	4953	17.300
4709	17.300	4758	17.300	4807	17.300	4856	17.300	4905	17.300	4954	17.300
4710	17.300	4759	17.300	4808	17.300	4857	17.300	4906	17.300	4955	17.300
4711	17.300	4760	17.300	4809	17.300	4858	17.300	4907	17.300	4956	17.300
4712	17.300	4761	17.300	4810	17.300	4859	17.300	4908	17.300	4957	17.300
4713	17.300	4762	17.300	4811	17.300	4860	17.300	4909	17.300	4958	17.300
4714	17.300	4763	17.300	4812	17.300	4861	17.300	4910	17.300	4959	17.300
4715	17.300	4764	17.300	4813	17.300	4862	17.300	4911	17.300	4960	17.300
4716	17.300	4765	17.300	4814	17.300	4863	17.300	4912	17.300	4961	17.300
4717	17.300	4766	17.300	4815	17.300	4864	17.300	4913	17.300	4962	17.300
4718	17.300	4767	17.300	4816	17.300	4865	17.300	4914	17.300	4963	17.300
4719	17.300	4768	17.300	4817	17.300	4866	17.300	4915	17.300	4964	17.300
4720	17.300	4769	17.300	4818	17.300	4867	17.300	4916	17.300	4965	17.300
4721	17.300	4770	17.300	4819	17.300	4868	17.300	4917	17.300	4966	17.300
4722	17.300	4771	17.300	4820	17.300	4869	17.300	4918	17.300	4967	17.300
4723	17.300	4772	17.300	4821	17.300	4870	17.300	4919	17.300	4968	17.300
4724	17.300	4773	17.300	4822	17.300	4871	17.300	4920	17.300	4969	17.300
4725	17.300	4774	17.300	4823	17.300	4872	17.300	4921	17.300	4970	17.300
4726	17.300	4775	17.300	4824	17.300	4873	17.300	4922	17.300	4971	17.300
4727	17.300	4776	17.300	4825	17.300	4874	17.300	4923	17.300	4972	17.300
4728	17.300	4777	17.300	4826	17.300	4875	17.300	4924	17.300	4973	17.300
4729	17.300	4778	17.300	4827	17.300	4876	17.300	4925	17.300	4974	17.300
4730	17.300	4779	17.300	4828	17.300	4877	17.300	4926	17.300	4975	17.300
4731	17.300	4780	17.300	4829	17.300	4878	17.300	4927	17.300	4976	17.300
4732	17.300	4781	17.300	4830	17.300	4879	17.300	4928	17.300	4977	17.300
4733	17.300	4782	17.300	4831	17.300	4880	17.300	4929	17.300	4978	17.300
4734	17.300	4783	17.300	4832	17.300	4881	17.300	4930	17.300	4979	17.300
4735	17.300	4784	17.300	4833	17.300	4882	17.300	4931	17.300	4980	17.300
4736	17.300	4785	17.300	4834	17.300	4883	17.300	4932	17.300	4981	17.300
4737	17.300	4786	17.300	4835	17.300	4884	17.300	4933	17.300	4982	17.300
4738	17.300	4787	17.300	4836	17.300	4885	17.300	4934	17.300	4983	17.300
4739	17.300	4788	17.300	4837	17.300	4886	17.300	4935	17.300	4984	17.300
4740	17.300	4789	17.300	4838	17.300	4887	17.300	4936	17.300	4985	17.300
4741	17.300	4790	17.300	4839	17.300	4888	17.300	4937	17.300	4986	17.300
4742	17.300	4791	17.300	4840	17.300	4889	17.300	4938	17.300	4987	17.300
4743	17.300	4792	17.300	4841	17.300	4890	17.300	4939	17.300	4988	17.300
4744	17.300	4793	17.300	4842	17.300	4891	17.300	4940	17.300	4989	17.300
4745	17.300	4794	17.300	4843	17.300	4892	17.300	4941	17.300	4990	17.300
4746	17.300	4795	17.300	4844	17.300	4893	17.300	4942	17.300	4991	17.300
4747	17.300	4796	17.300	4845	17.300	4894	17.300	4943	17.300	4992	17.300
4748	17.300	4797	17.300	4846	17.300	4895	17.300	4944	17.300	4993	17.300
4749	17.300	4798	17.300	4847	17.300	4896	17.300	4945	17.300	4994	17.300
4750	17.300	4799	17.300	4848	17.300	4897	17.300	4946	17.300	4995	17.300
4751	17.300	4800	17.300	4849	17.300	4898	17.300	4947	17.300	4996	17.300
4752	17.300	4801	17.300	4850	17.300	4899	17.300	4948	17.300	4997	17.300
4753	17.300	4802	17.300	4851	17.300	4900	17.300	4949	17.300	4998	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4999	17.300	5048	17.300	5097	17.300	5146	17.300	5195	17.300	5244	17.300
5000	17.300	5049	17.300	5098	17.300	5147	17.300	5196	17.300	5245	17.300
5001	17.300	5050	17.300	5099	17.300	5148	17.300	5197	17.300	5246	17.300
5002	17.300	5051	17.300	5100	17.300	5149	17.300	5198	17.300	5247	17.300
5003	17.300	5052	17.300	5101	17.300	5150	17.300	5199	17.300	5248	17.300
5004	17.300	5053	17.300	5102	17.300	5151	17.300	5200	17.300	5249	17.300
5005	17.300	5054	17.300	5103	17.300	5152	17.300	5201	17.300	5250	17.300
5006	17.300	5055	17.300	5104	17.300	5153	17.300	5202	17.300	5251	17.300
5007	17.300	5056	17.300	5105	17.300	5154	17.300	5203	17.300	5252	17.300
5008	17.300	5057	17.300	5106	17.300	5155	17.300	5204	17.300	5253	17.300
5009	17.300	5058	17.300	5107	17.300	5156	17.300	5205	17.300	5254	17.300
5010	17.300	5059	17.300	5108	17.300	5157	17.300	5206	17.300	5255	17.300
5011	17.300	5060	17.300	5109	17.300	5158	17.300	5207	17.300	5256	17.300
5012	17.300	5061	17.300	5110	17.300	5159	17.300	5208	17.300	5257	17.300
5013	17.300	5062	17.300	5111	17.300	5160	17.300	5209	17.300	5258	17.300
5014	17.300	5063	17.300	5112	17.300	5161	17.300	5210	17.300	5259	17.300
5015	17.300	5064	17.300	5113	17.300	5162	17.300	5211	17.300	5260	17.300
5016	17.300	5065	17.300	5114	17.300	5163	17.300	5212	17.300	5261	17.300
5017	17.300	5066	17.300	5115	17.300	5164	17.300	5213	17.300	5262	17.300
5018	17.300	5067	17.300	5116	17.300	5165	17.300	5214	17.300	5263	17.300
5019	17.300	5068	17.300	5117	17.300	5166	17.300	5215	17.300	5264	17.300
5020	17.300	5069	17.300	5118	17.300	5167	17.300	5216	17.300	5265	17.300
5021	17.300	5070	17.300	5119	17.300	5168	17.300	5217	17.300	5266	17.300
5022	17.300	5071	17.300	5120	17.300	5169	17.300	5218	17.300	5267	17.300
5023	17.300	5072	17.300	5121	17.300	5170	17.300	5219	17.300	5268	17.300
5024	17.300	5073	17.300	5122	17.300	5171	17.300	5220	17.300	5269	17.300
5025	17.300	5074	17.300	5123	17.300	5172	17.300	5221	17.300	5270	17.300
5026	17.300	5075	17.300	5124	17.300	5173	17.300	5222	17.300	5271	17.300
5027	17.300	5076	17.300	5125	17.300	5174	17.300	5223	17.300	5272	17.300
5028	17.300	5077	17.300	5126	17.300	5175	17.300	5224	17.300	5273	17.300
5029	17.300	5078	17.300	5127	17.300	5176	17.300	5225	17.300	5274	17.300
5030	17.300	5079	17.300	5128	17.300	5177	17.300	5226	17.300	5275	17.300
5031	17.300	5080	17.300	5129	17.300	5178	17.300	5227	17.300	5276	17.300
5032	17.300	5081	17.300	5130	17.300	5179	17.300	5228	17.300	5277	17.300
5033	17.300	5082	17.300	5131	17.300	5180	17.300	5229	17.300	5278	17.300
5034	17.300	5083	17.300	5132	17.300	5181	17.300	5230	17.300	5279	17.300
5035	17.300	5084	17.300	5133	17.300	5182	17.300	5231	17.300	5280	17.300
5036	17.300	5085	17.300	5134	17.300	5183	17.300	5232	17.300	5281	17.300
5037	17.300	5086	17.300	5135	17.300	5184	17.300	5233	17.300	5282	17.300
5038	17.300	5087	17.300	5136	17.300	5185	17.300	5234	17.300	5283	17.300
5039	17.300	5088	17.300	5137	17.300	5186	17.300	5235	17.300	5284	17.300
5040	17.300	5089	17.300	5138	17.300	5187	17.300	5236	17.300	5285	17.300
5041	17.300	5090	17.300	5139	17.300	5188	17.300	5237	17.300	5286	17.300
5042	17.300	5091	17.300	5140	17.300	5189	17.300	5238	17.300	5287	17.300
5043	17.300	5092	17.300	5141	17.300	5190	17.300	5239	17.300	5288	17.300
5044	17.300	5093	17.300	5142	17.300	5191	17.300	5240	17.300	5289	17.300
5045	17.300	5094	17.300	5143	17.300	5192	17.300	5241	17.300	5290	17.300
5046	17.300	5095	17.300	5144	17.300	5193	17.300	5242	17.300	5291	17.300
5047	17.300	5096	17.300	5145	17.300	5194	17.300	5243	17.300	5292	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5293	17.300	5342	17.300	5391	17.300	5440	17.300	5489	17.300	5538	17.300
5294	17.300	5343	17.300	5392	17.300	5441	17.300	5490	17.300	5539	17.300
5295	17.300	5344	17.300	5393	17.300	5442	17.300	5491	17.300	5540	17.300
5296	17.300	5345	17.300	5394	17.300	5443	17.300	5492	17.300	5541	17.300
5297	17.300	5346	17.300	5395	17.300	5444	17.300	5493	17.300	5542	17.300
5298	17.300	5347	17.300	5396	17.300	5445	17.300	5494	17.300	5543	17.300
5299	17.300	5348	17.300	5397	17.300	5446	17.300	5495	17.300	5544	17.300
5300	17.300	5349	17.300	5398	17.300	5447	17.300	5496	17.300	5545	17.300
5301	17.300	5350	17.300	5399	17.300	5448	17.300	5497	17.300	5546	17.300
5302	17.300	5351	17.300	5400	17.300	5449	17.300	5498	17.300	5547	17.300
5303	17.300	5352	17.300	5401	17.300	5450	17.300	5499	17.300	5548	17.300
5304	17.300	5353	17.300	5402	17.300	5451	17.300	5500	17.300	5549	17.300
5305	17.300	5354	17.300	5403	17.300	5452	17.300	5501	17.300	5550	17.300
5306	17.300	5355	17.300	5404	17.300	5453	17.300	5502	17.300	5551	17.300
5307	17.300	5356	17.300	5405	17.300	5454	17.300	5503	17.300	5552	17.300
5308	17.300	5357	17.300	5406	17.300	5455	17.300	5504	17.300	5553	17.300
5309	17.300	5358	17.300	5407	17.300	5456	17.300	5505	17.300	5554	17.300
5310	17.300	5359	17.300	5408	17.300	5457	17.300	5506	17.300	5555	17.300
5311	17.300	5360	17.300	5409	17.300	5458	17.300	5507	17.300	5556	17.300
5312	17.300	5361	17.300	5410	17.300	5459	17.300	5508	17.300	5557	17.300
5313	17.300	5362	17.300	5411	17.300	5460	17.300	5509	17.300	5558	17.300
5314	17.300	5363	17.300	5412	17.300	5461	17.300	5510	17.300	5559	17.300
5315	17.300	5364	17.300	5413	17.300	5462	17.300	5511	17.300	5560	17.300
5316	17.300	5365	17.300	5414	17.300	5463	17.300	5512	17.300	5561	17.300
5317	17.300	5366	17.300	5415	17.300	5464	17.300	5513	17.300	5562	17.300
5318	17.300	5367	17.300	5416	17.300	5465	17.300	5514	17.300	5563	17.300
5319	17.300	5368	17.300	5417	17.300	5466	17.300	5515	17.300	5564	17.300
5320	17.300	5369	17.300	5418	17.300	5467	17.300	5516	17.300	5565	17.300
5321	17.300	5370	17.300	5419	17.300	5468	17.300	5517	17.300	5566	17.300
5322	17.300	5371	17.300	5420	17.300	5469	17.300	5518	17.300	5567	17.300
5323	17.300	5372	17.300	5421	17.300	5470	17.300	5519	17.300	5568	17.300
5324	17.300	5373	17.300	5422	17.300	5471	17.300	5520	17.300	5569	17.300
5325	17.300	5374	17.300	5423	17.300	5472	17.300	5521	17.300	5570	17.300
5326	17.300	5375	17.300	5424	17.300	5473	17.300	5522	17.300	5571	17.300
5327	17.300	5376	17.300	5425	17.300	5474	17.300	5523	17.300	5572	17.300
5328	17.300	5377	17.300	5426	17.300	5475	17.300	5524	17.300	5573	17.300
5329	17.300	5378	17.300	5427	17.300	5476	17.300	5525	17.300	5574	17.300
5330	17.300	5379	17.300	5428	17.300	5477	17.300	5526	17.300	5575	17.300
5331	17.300	5380	17.300	5429	17.300	5478	17.300	5527	17.300	5576	17.300
5332	17.300	5381	17.300	5430	17.300	5479	17.300	5528	17.300	5577	17.300
5333	17.300	5382	17.300	5431	17.300	5480	17.300	5529	17.300	5578	17.300
5334	17.300	5383	17.300	5432	17.300	5481	17.300	5530	17.300	5579	17.300
5335	17.300	5384	17.300	5433	17.300	5482	17.300	5531	17.300	5580	17.300
5336	17.300	5385	17.300	5434	17.300	5483	17.300	5532	17.300	5581	17.300
5337	17.300	5386	17.300	5435	17.300	5484	17.300	5533	17.300	5582	17.300
5338	17.300	5387	17.300	5436	17.300	5485	17.300	5534	17.300	5583	17.300
5339	17.300	5388	17.300	5437	17.300	5486	17.300	5535	17.300	5584	17.300
5340	17.300	5389	17.300	5438	17.300	5487	17.300	5536	17.300	5585	17.300
5341	17.300	5390	17.300	5439	17.300	5488	17.300	5537	17.300	5586	17.300





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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5587	17.300	5636	17.300	5685	17.300	5734	17.300	5783	17.300	5832	17.300
5588	17.300	5637	17.300	5686	17.300	5735	17.300	5784	17.300	5833	17.300
5589	17.300	5638	17.300	5687	17.300	5736	17.300	5785	17.300	5834	17.300
5590	17.300	5639	17.300	5688	17.300	5737	17.300	5786	17.300	5835	17.300
5591	17.300	5640	17.300	5689	17.300	5738	17.300	5787	17.300	5836	17.300
5592	17.300	5641	17.300	5690	17.300	5739	17.300	5788	17.300	5837	17.300
5593	17.300	5642	17.300	5691	17.300	5740	17.300	5789	17.300	5838	17.300
5594	17.300	5643	17.300	5692	17.300	5741	17.300	5790	17.300	5839	17.300
5595	17.300	5644	17.300	5693	17.300	5742	17.300	5791	17.300	5840	17.300
5596	17.300	5645	17.300	5694	17.300	5743	17.300	5792	17.300	5841	17.300
5597	17.300	5646	17.300	5695	17.300	5744	17.300	5793	17.300	5842	17.300
5598	17.300	5647	17.300	5696	17.300	5745	17.300	5794	17.300	5843	17.300
5599	17.300	5648	17.300	5697	17.300	5746	17.300	5795	17.300	5844	17.300
5600	17.300	5649	17.300	5698	17.300	5747	17.300	5796	17.300	5845	17.300
5601	17.300	5650	17.300	5699	17.300	5748	17.300	5797	17.300	5846	17.300
5602	17.300	5651	17.300	5700	17.300	5749	17.300	5798	17.300	5847	17.300
5603	17.300	5652	17.300	5701	17.300	5750	17.300	5799	17.300	5848	17.300
5604	17.300	5653	17.300	5702	17.300	5751	17.300	5800	17.300	5849	17.300
5605	17.300	5654	17.300	5703	17.300	5752	17.300	5801	17.300	5850	17.300
5606	17.300	5655	17.300	5704	17.300	5753	17.300	5802	17.300	5851	17.300
5607	17.300	5656	17.300	5705	17.300	5754	17.300	5803	17.300	5852	17.300
5608	17.300	5657	17.300	5706	17.300	5755	17.300	5804	17.300	5853	17.300
5609	17.300	5658	17.300	5707	17.300	5756	17.300	5805	17.300	5854	17.300
5610	17.300	5659	17.300	5708	17.300	5757	17.300	5806	17.300	5855	17.300
5611	17.300	5660	17.300	5709	17.300	5758	17.300	5807	17.300	5856	17.300
5612	17.300	5661	17.300	5710	17.300	5759	17.300	5808	17.300	5857	17.300
5613	17.300	5662	17.300	5711	17.300	5760	17.300	5809	17.300	5858	17.300
5614	17.300	5663	17.300	5712	17.300	5761	17.300	5810	17.300	5859	17.300
5615	17.300	5664	17.300	5713	17.300	5762	17.300	5811	17.300	5860	17.300
5616	17.300	5665	17.300	5714	17.300	5763	17.300	5812	17.300	5861	17.300
5617	17.300	5666	17.300	5715	17.300	5764	17.300	5813	17.300	5862	17.300
5618	17.300	5667	17.300	5716	17.300	5765	17.300	5814	17.300	5863	17.300
5619	17.300	5668	17.300	5717	17.300	5766	17.300	5815	17.300	5864	17.300
5620	17.300	5669	17.300	5718	17.300	5767	17.300	5816	17.300	5865	17.300
5621	17.300	5670	17.300	5719	17.300	5768	17.300	5817	17.300	5866	17.300
5622	17.300	5671	17.300	5720	17.300	5769	17.300	5818	17.300	5867	17.300
5623	17.300	5672	17.300	5721	17.300	5770	17.300	5819	17.300	5868	17.300
5624	17.300	5673	17.300	5722	17.300	5771	17.300	5820	17.300	5869	17.300
5625	17.300	5674	17.300	5723	17.300	5772	17.300	5821	17.300	5870	17.300
5626	17.300	5675	17.300	5724	17.300	5773	17.300	5822	17.300	5871	17.300
5627	17.300	5676	17.300	5725	17.300	5774	17.300	5823	17.300	5872	17.300
5628	17.300	5677	17.300	5726	17.300	5775	17.300	5824	17.300	5873	17.300
5629	17.300	5678	17.300	5727	17.300	5776	17.300	5825	17.300	5874	17.300
5630	17.300	5679	17.300	5728	17.300	5777	17.300	5826	17.300	5875	17.300
5631	17.300	5680	17.300	5729	17.300	5778	17.300	5827	17.300	5876	17.300
5632	17.300	5681	17.300	5730	17.300	5779	17.300	5828	17.300	5877	17.300
5633	17.300	5682	17.300	5731	17.300	5780	17.300	5829	17.300	5878	17.300
5634	17.300	5683	17.300	5732	17.300	5781	17.300	5830	17.300	5879	17.300
5635	17.300	5684	17.300	5733	17.300	5782	17.300	5831	17.300	5880	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5881	17.300	5930	17.300	5979	17.300	6028	17.300	6077	17.300	6126	17.300
5882	17.300	5931	17.300	5980	17.300	6029	17.300	6078	17.300	6127	17.300
5883	17.300	5932	17.300	5981	17.300	6030	17.300	6079	17.300	6128	17.300
5884	17.300	5933	17.300	5982	17.300	6031	17.300	6080	17.300	6129	17.300
5885	17.300	5934	17.300	5983	17.300	6032	17.300	6081	17.300	6130	17.300
5886	17.300	5935	17.300	5984	17.300	6033	17.300	6082	17.300	6131	17.300
5887	17.300	5936	17.300	5985	17.300	6034	17.300	6083	17.300	6132	17.300
5888	17.300	5937	17.300	5986	17.300	6035	17.300	6084	17.300	6133	17.300
5889	17.300	5938	17.300	5987	17.300	6036	17.300	6085	17.300	6134	17.300
5890	17.300	5939	17.300	5988	17.300	6037	17.300	6086	17.300	6135	17.300
5891	17.300	5940	17.300	5989	17.300	6038	17.300	6087	17.300	6136	17.300
5892	17.300	5941	17.300	5990	17.300	6039	17.300	6088	17.300	6137	17.300
5893	17.300	5942	17.300	5991	17.300	6040	17.300	6089	17.300	6138	17.300
5894	17.300	5943	17.300	5992	17.300	6041	17.300	6090	17.300	6139	17.300
5895	17.300	5944	17.300	5993	17.300	6042	17.300	6091	17.300	6140	17.300
5896	17.300	5945	17.300	5994	17.300	6043	17.300	6092	17.300	6141	17.300
5897	17.300	5946	17.300	5995	17.300	6044	17.300	6093	17.300	6142	17.300
5898	17.300	5947	17.300	5996	17.300	6045	17.300	6094	17.300	6143	17.300
5899	17.300	5948	17.300	5997	17.300	6046	17.300	6095	17.300	6144	17.300
5900	17.300	5949	17.300	5998	17.300	6047	17.300	6096	17.300	6145	17.300
5901	17.300	5950	17.300	5999	17.300	6048	17.300	6097	17.300	6146	17.300
5902	17.300	5951	17.300	6000	17.300	6049	17.300	6098	17.300	6147	17.300
5903	17.300	5952	17.300	6001	17.300	6050	17.300	6099	17.300	6148	17.300
5904	17.300	5953	17.300	6002	17.300	6051	17.300	6100	17.300	6149	17.300
5905	17.300	5954	17.300	6003	17.300	6052	17.300	6101	17.300	6150	17.300
5906	17.300	5955	17.300	6004	17.300	6053	17.300	6102	17.300	6151	17.300
5907	17.300	5956	17.300	6005	17.300	6054	17.300	6103	17.300	6152	17.300
5908	17.300	5957	17.300	6006	17.300	6055	17.300	6104	17.300	6153	17.300
5909	17.300	5958	17.300	6007	17.300	6056	17.300	6105	17.300	6154	17.300
5910	17.300	5959	17.300	6008	17.300	6057	17.300	6106	17.300	6155	17.300
5911	17.300	5960	17.300	6009	17.300	6058	17.300	6107	17.300	6156	17.300
5912	17.300	5961	17.300	6010	17.300	6059	17.300	6108	17.300	6157	17.300
5913	17.300	5962	17.300	6011	17.300	6060	17.300	6109	17.300	6158	17.300
5914	17.300	5963	17.300	6012	17.300	6061	17.300	6110	17.300	6159	17.300
5915	17.300	5964	17.300	6013	17.300	6062	17.300	6111	17.300	6160	17.300
5916	17.300	5965	17.300	6014	17.300	6063	17.300	6112	17.300	6161	17.300
5917	17.300	5966	17.300	6015	17.300	6064	17.300	6113	17.300	6162	17.300
5918	17.300	5967	17.300	6016	17.300	6065	17.300	6114	17.300	6163	17.300
5919	17.300	5968	17.300	6017	17.300	6066	17.300	6115	17.300	6164	17.300
5920	17.300	5969	17.300	6018	17.300	6067	17.300	6116	17.300	6165	17.300
5921	17.300	5970	17.300	6019	17.300	6068	17.300	6117	17.300	6166	17.300
5922	17.300	5971	17.300	6020	17.300	6069	17.300	6118	17.300	6167	17.300
5923	17.300	5972	17.300	6021	17.300	6070	17.300	6119	17.300	6168	17.300
5924	17.300	5973	17.300	6022	17.300	6071	17.300	6120	17.300	6169	17.300
5925	17.300	5974	17.300	6023	17.300	6072	17.300	6121	17.300	6170	17.300
5926	17.300	5975	17.300	6024	17.300	6073	17.300	6122	17.300	6171	17.300
5927	17.300	5976	17.300	6025	17.300	6074	17.300	6123	17.300	6172	17.300
5928	17.300	5977	17.300	6026	17.300	6075	17.300	6124	17.300	6173	17.300
5929	17.300	5978	17.300	6027	17.300	6076	17.300	6125	17.300	6174	17.300



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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6175	17.300	6224	17.300	6273	17.300	6322	17.300	6371	17.300	6420	17.300
6176	17.300	6225	17.300	6274	17.300	6323	17.300	6372	17.300	6421	17.300
6177	17.300	6226	17.300	6275	17.300	6324	17.300	6373	17.300	6422	17.300
6178	17.300	6227	17.300	6276	17.300	6325	17.300	6374	17.300	6423	17.300
6179	17.300	6228	17.300	6277	17.300	6326	17.300	6375	17.300	6424	17.300
6180	17.300	6229	17.300	6278	17.300	6327	17.300	6376	17.300	6425	17.300
6181	17.300	6230	17.300	6279	17.300	6328	17.300	6377	17.300	6426	17.300
6182	17.300	6231	17.300	6280	17.300	6329	17.300	6378	17.300	6427	17.300
6183	17.300	6232	17.300	6281	17.300	6330	17.300	6379	17.300	6428	17.300
6184	17.300	6233	17.300	6282	17.300	6331	17.300	6380	17.300	6429	17.300
6185	17.300	6234	17.300	6283	17.300	6332	17.300	6381	17.300	6430	17.300
6186	17.300	6235	17.300	6284	17.300	6333	17.300	6382	17.300	6431	17.300
6187	17.300	6236	17.300	6285	17.300	6334	17.300	6383	17.300	6432	17.300
6188	17.300	6237	17.300	6286	17.300	6335	17.300	6384	17.300	6433	17.300
6189	17.300	6238	17.300	6287	17.300	6336	17.300	6385	17.300	6434	17.300
6190	17.300	6239	17.300	6288	17.300	6337	17.300	6386	17.300	6435	17.300
6191	17.300	6240	17.300	6289	17.300	6338	17.300	6387	17.300	6436	17.300
6192	17.300	6241	17.300	6290	17.300	6339	17.300	6388	17.300	6437	17.300
6193	17.300	6242	17.300	6291	17.300	6340	17.300	6389	17.300	6438	17.300
6194	17.300	6243	17.300	6292	17.300	6341	17.300	6390	17.300	6439	17.300
6195	17.300	6244	17.300	6293	17.300	6342	17.300	6391	17.300	6440	17.300
6196	17.300	6245	17.300	6294	17.300	6343	17.300	6392	17.300	6441	17.300
6197	17.300	6246	17.300	6295	17.300	6344	17.300	6393	17.300	6442	17.300
6198	17.300	6247	17.300	6296	17.300	6345	17.300	6394	17.300	6443	17.300
6199	17.300	6248	17.300	6297	17.300	6346	17.300	6395	17.300	6444	17.300
6200	17.300	6249	17.300	6298	17.300	6347	17.300	6396	17.300	6445	17.300
6201	17.300	6250	17.300	6299	17.300	6348	17.300	6397	17.300	6446	17.300
6202	17.300	6251	17.300	6300	17.300	6349	17.300	6398	17.300	6447	17.300
6203	17.300	6252	17.300	6301	17.300	6350	17.300	6399	17.300	6448	17.300
6204	17.300	6253	17.300	6302	17.300	6351	17.300	6400	17.300	6449	17.300
6205	17.300	6254	17.300	6303	17.300	6352	17.300	6401	17.300	6450	17.300
6206	17.300	6255	17.300	6304	17.300	6353	17.300	6402	17.300	6451	17.300
6207	17.300	6256	17.300	6305	17.300	6354	17.300	6403	17.300	6452	17.300
6208	17.300	6257	17.300	6306	17.300	6355	17.300	6404	17.300	6453	17.300
6209	17.300	6258	17.300	6307	17.300	6356	17.300	6405	17.300	6454	17.300
6210	17.300	6259	17.300	6308	17.300	6357	17.300	6406	17.300	6455	17.300
6211	17.300	6260	17.300	6309	17.300	6358	17.300	6407	17.300	6456	17.300
6212	17.300	6261	17.300	6310	17.300	6359	17.300	6408	17.300	6457	17.300
6213	17.300	6262	17.300	6311	17.300	6360	17.300	6409	17.300	6458	17.300
6214	17.300	6263	17.300	6312	17.300	6361	17.300	6410	17.300	6459	17.300
6215	17.300	6264	17.300	6313	17.300	6362	17.300	6411	17.300	6460	17.300
6216	17.300	6265	17.300	6314	17.300	6363	17.300	6412	17.300	6461	17.300
6217	17.300	6266	17.300	6315	17.300	6364	17.300	6413	17.300	6462	17.300
6218	17.300	6267	17.300	6316	17.300	6365	17.300	6414	17.300	6463	17.300
6219	17.300	6268	17.300	6317	17.300	6366	17.300	6415	17.300	6464	17.300
6220	17.300	6269	17.300	6318	17.300	6367	17.300	6416	17.300	6465	17.300
6221	17.300	6270	17.300	6319	17.300	6368	17.300	6417	17.300	6466	17.300
6222	17.300	6271	17.300	6320	17.300	6369	17.300	6418	17.300	6467	17.300
6223	17.300	6272	17.300	6321	17.300	6370	17.300	6419	17.300	6468	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6469	17.300	6518	17.300	6567	17.300	6616	17.300	6665	17.300	6714	17.300
6470	17.300	6519	17.300	6568	17.300	6617	17.300	6666	17.300	6715	17.300
6471	17.300	6520	17.300	6569	17.300	6618	17.300	6667	17.300	6716	17.300
6472	17.300	6521	17.300	6570	17.300	6619	17.300	6668	17.300	6717	17.300
6473	17.300	6522	17.300	6571	17.300	6620	17.300	6669	17.300	6718	17.300
6474	17.300	6523	17.300	6572	17.300	6621	17.300	6670	17.300	6719	17.300
6475	17.300	6524	17.300	6573	17.300	6622	17.300	6671	17.300	6720	17.300
6476	17.300	6525	17.300	6574	17.300	6623	17.300	6672	17.300	6721	17.300
6477	17.300	6526	17.300	6575	17.300	6624	17.300	6673	17.300	6722	17.300
6478	17.300	6527	17.300	6576	17.300	6625	17.300	6674	17.300	6723	17.300
6479	17.300	6528	17.300	6577	17.300	6626	17.300	6675	17.300	6724	17.300
6480	17.300	6529	17.300	6578	17.300	6627	17.300	6676	17.300	6725	17.300
6481	17.300	6530	17.300	6579	17.300	6628	17.300	6677	17.300	6726	17.300
6482	17.300	6531	17.300	6580	17.300	6629	17.300	6678	17.300	6727	17.300
6483	17.300	6532	17.300	6581	17.300	6630	17.300	6679	17.300	6728	17.300
6484	17.300	6533	17.300	6582	17.300	6631	17.300	6680	17.300	6729	17.300
6485	17.300	6534	17.300	6583	17.300	6632	17.300	6681	17.300	6730	17.300
6486	17.300	6535	17.300	6584	17.300	6633	17.300	6682	17.300	6731	17.300
6487	17.300	6536	17.300	6585	17.300	6634	17.300	6683	17.300	6732	17.300
6488	17.300	6537	17.300	6586	17.300	6635	17.300	6684	17.300	6733	17.300
6489	17.300	6538	17.300	6587	17.300	6636	17.300	6685	17.300	6734	17.300
6490	17.300	6539	17.300	6588	17.300	6637	17.300	6686	17.300	6735	17.300
6491	17.300	6540	17.300	6589	17.300	6638	17.300	6687	17.300	6736	17.300
6492	17.300	6541	17.300	6590	17.300	6639	17.300	6688	17.300	6737	17.300
6493	17.300	6542	17.300	6591	17.300	6640	17.300	6689	17.300	6738	17.300
6494	17.300	6543	17.300	6592	17.300	6641	17.300	6690	17.300	6739	17.300
6495	17.300	6544	17.300	6593	17.300	6642	17.300	6691	17.300	6740	17.300
6496	17.300	6545	17.300	6594	17.300	6643	17.300	6692	17.300	6741	17.300
6497	17.300	6546	17.300	6595	17.300	6644	17.300	6693	17.300	6742	17.300
6498	17.300	6547	17.300	6596	17.300	6645	17.300	6694	17.300	6743	17.300
6499	17.300	6548	17.300	6597	17.300	6646	17.300	6695	17.300	6744	17.300
6500	17.300	6549	17.300	6598	17.300	6647	17.300	6696	17.300	6745	17.300
6501	17.300	6550	17.300	6599	17.300	6648	17.300	6697	17.300	6746	17.300
6502	17.300	6551	17.300	6600	17.300	6649	17.300	6698	17.300	6747	17.300
6503	17.300	6552	17.300	6601	17.300	6650	17.300	6699	17.300	6748	17.300
6504	17.300	6553	17.300	6602	17.300	6651	17.300	6700	17.300	6749	17.300
6505	17.300	6554	17.300	6603	17.300	6652	17.300	6701	17.300	6750	17.300
6506	17.300	6555	17.300	6604	17.300	6653	17.300	6702	17.300	6751	17.300
6507	17.300	6556	17.300	6605	17.300	6654	17.300	6703	17.300	6752	17.300
6508	17.300	6557	17.300	6606	17.300	6655	17.300	6704	17.300	6753	17.300
6509	17.300	6558	17.300	6607	17.300	6656	17.300	6705	17.300	6754	17.300
6510	17.300	6559	17.300	6608	17.300	6657	17.300	6706	17.300	6755	17.300
6511	17.300	6560	17.300	6609	17.300	6658	17.300	6707	17.300	6756	17.300
6512	17.300	6561	17.300	6610	17.300	6659	17.300	6708	17.300	6757	17.300
6513	17.300	6562	17.300	6611	17.300	6660	17.300	6709	17.300	6758	17.300
6514	17.300	6563	17.300	6612	17.300	6661	17.300	6710	17.300	6759	17.300
6515	17.300	6564	17.300	6613	17.300	6662	17.300	6711	17.300	6760	17.300
6516	17.300	6565	17.300	6614	17.300	6663	17.300	6712	17.300	6761	17.300
6517	17.300	6566	17.300	6615	17.300	6664	17.300	6713	17.300	6762	17.300

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Date 01/10/2021 07:05

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File SLR-AB-10A.MDX

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6763	17.300	6812	17.300	6861	17.300	6910	17.300	6959	17.300	7008	17.300
6764	17.300	6813	17.300	6862	17.300	6911	17.300	6960	17.300	7009	17.300
6765	17.300	6814	17.300	6863	17.300	6912	17.300	6961	17.300	7010	17.300
6766	17.300	6815	17.300	6864	17.300	6913	17.300	6962	17.300	7011	17.300
6767	17.300	6816	17.300	6865	17.300	6914	17.300	6963	17.300	7012	17.300
6768	17.300	6817	17.300	6866	17.300	6915	17.300	6964	17.300	7013	17.300
6769	17.300	6818	17.300	6867	17.300	6916	17.300	6965	17.300	7014	17.300
6770	17.300	6819	17.300	6868	17.300	6917	17.300	6966	17.300	7015	17.300
6771	17.300	6820	17.300	6869	17.300	6918	17.300	6967	17.300	7016	17.300
6772	17.300	6821	17.300	6870	17.300	6919	17.300	6968	17.300	7017	17.300
6773	17.300	6822	17.300	6871	17.300	6920	17.300	6969	17.300	7018	17.300
6774	17.300	6823	17.300	6872	17.300	6921	17.300	6970	17.300	7019	17.300
6775	17.300	6824	17.300	6873	17.300	6922	17.300	6971	17.300	7020	17.300
6776	17.300	6825	17.300	6874	17.300	6923	17.300	6972	17.300	7021	17.300
6777	17.300	6826	17.300	6875	17.300	6924	17.300	6973	17.300	7022	17.300
6778	17.300	6827	17.300	6876	17.300	6925	17.300	6974	17.300	7023	17.300
6779	17.300	6828	17.300	6877	17.300	6926	17.300	6975	17.300	7024	17.300
6780	17.300	6829	17.300	6878	17.300	6927	17.300	6976	17.300	7025	17.300
6781	17.300	6830	17.300	6879	17.300	6928	17.300	6977	17.300	7026	17.300
6782	17.300	6831	17.300	6880	17.300	6929	17.300	6978	17.300	7027	17.300
6783	17.300	6832	17.300	6881	17.300	6930	17.300	6979	17.300	7028	17.300
6784	17.300	6833	17.300	6882	17.300	6931	17.300	6980	17.300	7029	17.300
6785	17.300	6834	17.300	6883	17.300	6932	17.300	6981	17.300	7030	17.300
6786	17.300	6835	17.300	6884	17.300	6933	17.300	6982	17.300	7031	17.300
6787	17.300	6836	17.300	6885	17.300	6934	17.300	6983	17.300	7032	17.300
6788	17.300	6837	17.300	6886	17.300	6935	17.300	6984	17.300	7033	17.300
6789	17.300	6838	17.300	6887	17.300	6936	17.300	6985	17.300	7034	17.300
6790	17.300	6839	17.300	6888	17.300	6937	17.300	6986	17.300	7035	17.300
6791	17.300	6840	17.300	6889	17.300	6938	17.300	6987	17.300	7036	17.300
6792	17.300	6841	17.300	6890	17.300	6939	17.300	6988	17.300	7037	17.300
6793	17.300	6842	17.300	6891	17.300	6940	17.300	6989	17.300	7038	17.300
6794	17.300	6843	17.300	6892	17.300	6941	17.300	6990	17.300	7039	17.300
6795	17.300	6844	17.300	6893	17.300	6942	17.300	6991	17.300	7040	17.300
6796	17.300	6845	17.300	6894	17.300	6943	17.300	6992	17.300	7041	17.300
6797	17.300	6846	17.300	6895	17.300	6944	17.300	6993	17.300	7042	17.300
6798	17.300	6847	17.300	6896	17.300	6945	17.300	6994	17.300	7043	17.300
6799	17.300	6848	17.300	6897	17.300	6946	17.300	6995	17.300	7044	17.300
6800	17.300	6849	17.300	6898	17.300	6947	17.300	6996	17.300	7045	17.300
6801	17.300	6850	17.300	6899	17.300	6948	17.300	6997	17.300	7046	17.300
6802	17.300	6851	17.300	6900	17.300	6949	17.300	6998	17.300	7047	17.300
6803	17.300	6852	17.300	6901	17.300	6950	17.300	6999	17.300	7048	17.300
6804	17.300	6853	17.300	6902	17.300	6951	17.300	7000	17.300	7049	17.300
6805	17.300	6854	17.300	6903	17.300	6952	17.300	7001	17.300	7050	17.300
6806	17.300	6855	17.300	6904	17.300	6953	17.300	7002	17.300	7051	17.300
6807	17.300	6856	17.300	6905	17.300	6954	17.300	7003	17.300	7052	17.300
6808	17.300	6857	17.300	6906	17.300	6955	17.300	7004	17.300	7053	17.300
6809	17.300	6858	17.300	6907	17.300	6956	17.300	7005	17.300	7054	17.300
6810	17.300	6859	17.300	6908	17.300	6957	17.300	7006	17.300	7055	17.300
6811	17.300	6860	17.300	6909	17.300	6958	17.300	7007	17.300	7056	17.300



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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7057	17.300	7106	17.300	7155	17.300	7204	17.300	7253	17.300	7302	17.300
7058	17.300	7107	17.300	7156	17.300	7205	17.300	7254	17.300	7303	17.300
7059	17.300	7108	17.300	7157	17.300	7206	17.300	7255	17.300	7304	17.300
7060	17.300	7109	17.300	7158	17.300	7207	17.300	7256	17.300	7305	17.300
7061	17.300	7110	17.300	7159	17.300	7208	17.300	7257	17.300	7306	17.300
7062	17.300	7111	17.300	7160	17.300	7209	17.300	7258	17.300	7307	17.300
7063	17.300	7112	17.300	7161	17.300	7210	17.300	7259	17.300	7308	17.300
7064	17.300	7113	17.300	7162	17.300	7211	17.300	7260	17.300	7309	17.300
7065	17.300	7114	17.300	7163	17.300	7212	17.300	7261	17.300	7310	17.300
7066	17.300	7115	17.300	7164	17.300	7213	17.300	7262	17.300	7311	17.300
7067	17.300	7116	17.300	7165	17.300	7214	17.300	7263	17.300	7312	17.300
7068	17.300	7117	17.300	7166	17.300	7215	17.300	7264	17.300	7313	17.300
7069	17.300	7118	17.300	7167	17.300	7216	17.300	7265	17.300	7314	17.300
7070	17.300	7119	17.300	7168	17.300	7217	17.300	7266	17.300	7315	17.300
7071	17.300	7120	17.300	7169	17.300	7218	17.300	7267	17.300	7316	17.300
7072	17.300	7121	17.300	7170	17.300	7219	17.300	7268	17.300	7317	17.300
7073	17.300	7122	17.300	7171	17.300	7220	17.300	7269	17.300	7318	17.300
7074	17.300	7123	17.300	7172	17.300	7221	17.300	7270	17.300	7319	17.300
7075	17.300	7124	17.300	7173	17.300	7222	17.300	7271	17.300	7320	17.300
7076	17.300	7125	17.300	7174	17.300	7223	17.300	7272	17.300	7321	17.300
7077	17.300	7126	17.300	7175	17.300	7224	17.300	7273	17.300	7322	17.300
7078	17.300	7127	17.300	7176	17.300	7225	17.300	7274	17.300	7323	17.300
7079	17.300	7128	17.300	7177	17.300	7226	17.300	7275	17.300	7324	17.300
7080	17.300	7129	17.300	7178	17.300	7227	17.300	7276	17.300	7325	17.300
7081	17.300	7130	17.300	7179	17.300	7228	17.300	7277	17.300	7326	17.300
7082	17.300	7131	17.300	7180	17.300	7229	17.300	7278	17.300	7327	17.300
7083	17.300	7132	17.300	7181	17.300	7230	17.300	7279	17.300	7328	17.300
7084	17.300	7133	17.300	7182	17.300	7231	17.300	7280	17.300	7329	17.300
7085	17.300	7134	17.300	7183	17.300	7232	17.300	7281	17.300	7330	17.300
7086	17.300	7135	17.300	7184	17.300	7233	17.300	7282	17.300	7331	17.300
7087	17.300	7136	17.300	7185	17.300	7234	17.300	7283	17.300	7332	17.300
7088	17.300	7137	17.300	7186	17.300	7235	17.300	7284	17.300	7333	17.300
7089	17.300	7138	17.300	7187	17.300	7236	17.300	7285	17.300	7334	17.300
7090	17.300	7139	17.300	7188	17.300	7237	17.300	7286	17.300	7335	17.300
7091	17.300	7140	17.300	7189	17.300	7238	17.300	7287	17.300	7336	17.300
7092	17.300	7141	17.300	7190	17.300	7239	17.300	7288	17.300	7337	17.300
7093	17.300	7142	17.300	7191	17.300	7240	17.300	7289	17.300	7338	17.300
7094	17.300	7143	17.300	7192	17.300	7241	17.300	7290	17.300	7339	17.300
7095	17.300	7144	17.300	7193	17.300	7242	17.300	7291	17.300	7340	17.300
7096	17.300	7145	17.300	7194	17.300	7243	17.300	7292	17.300	7341	17.300
7097	17.300	7146	17.300	7195	17.300	7244	17.300	7293	17.300	7342	17.300
7098	17.300	7147	17.300	7196	17.300	7245	17.300	7294	17.300	7343	17.300
7099	17.300	7148	17.300	7197	17.300	7246	17.300	7295	17.300	7344	17.300
7100	17.300	7149	17.300	7198	17.300	7247	17.300	7296	17.300	7345	17.300
7101	17.300	7150	17.300	7199	17.300	7248	17.300	7297	17.300	7346	17.300
7102	17.300	7151	17.300	7200	17.300	7249	17.300	7298	17.300	7347	17.300
7103	17.300	7152	17.300	7201	17.300	7250	17.300	7299	17.300	7348	17.300
7104	17.300	7153	17.300	7202	17.300	7251	17.300	7300	17.300	7349	17.300
7105	17.300	7154	17.300	7203	17.300	7252	17.300	7301	17.300	7350	17.300



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Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7351	17.300	7400	17.300	7449	17.300	7498	17.300	7547	17.300	7596	17.300
7352	17.300	7401	17.300	7450	17.300	7499	17.300	7548	17.300	7597	17.300
7353	17.300	7402	17.300	7451	17.300	7500	17.300	7549	17.300	7598	17.300
7354	17.300	7403	17.300	7452	17.300	7501	17.300	7550	17.300	7599	17.300
7355	17.300	7404	17.300	7453	17.300	7502	17.300	7551	17.300	7600	17.300
7356	17.300	7405	17.300	7454	17.300	7503	17.300	7552	17.300	7601	17.300
7357	17.300	7406	17.300	7455	17.300	7504	17.300	7553	17.300	7602	17.300
7358	17.300	7407	17.300	7456	17.300	7505	17.300	7554	17.300	7603	17.300
7359	17.300	7408	17.300	7457	17.300	7506	17.300	7555	17.300	7604	17.300
7360	17.300	7409	17.300	7458	17.300	7507	17.300	7556	17.300	7605	17.300
7361	17.300	7410	17.300	7459	17.300	7508	17.300	7557	17.300	7606	17.300
7362	17.300	7411	17.300	7460	17.300	7509	17.300	7558	17.300	7607	17.300
7363	17.300	7412	17.300	7461	17.300	7510	17.300	7559	17.300	7608	17.300
7364	17.300	7413	17.300	7462	17.300	7511	17.300	7560	17.300	7609	17.300
7365	17.300	7414	17.300	7463	17.300	7512	17.300	7561	17.300	7610	17.300
7366	17.300	7415	17.300	7464	17.300	7513	17.300	7562	17.300	7611	17.300
7367	17.300	7416	17.300	7465	17.300	7514	17.300	7563	17.300	7612	17.300
7368	17.300	7417	17.300	7466	17.300	7515	17.300	7564	17.300	7613	17.300
7369	17.300	7418	17.300	7467	17.300	7516	17.300	7565	17.300	7614	17.300
7370	17.300	7419	17.300	7468	17.300	7517	17.300	7566	17.300	7615	17.300
7371	17.300	7420	17.300	7469	17.300	7518	17.300	7567	17.300	7616	17.300
7372	17.300	7421	17.300	7470	17.300	7519	17.300	7568	17.300	7617	17.300
7373	17.300	7422	17.300	7471	17.300	7520	17.300	7569	17.300	7618	17.300
7374	17.300	7423	17.300	7472	17.300	7521	17.300	7570	17.300	7619	17.300
7375	17.300	7424	17.300	7473	17.300	7522	17.300	7571	17.300	7620	17.300
7376	17.300	7425	17.300	7474	17.300	7523	17.300	7572	17.300	7621	17.300
7377	17.300	7426	17.300	7475	17.300	7524	17.300	7573	17.300	7622	17.300
7378	17.300	7427	17.300	7476	17.300	7525	17.300	7574	17.300	7623	17.300
7379	17.300	7428	17.300	7477	17.300	7526	17.300	7575	17.300	7624	17.300
7380	17.300	7429	17.300	7478	17.300	7527	17.300	7576	17.300	7625	17.300
7381	17.300	7430	17.300	7479	17.300	7528	17.300	7577	17.300	7626	17.300
7382	17.300	7431	17.300	7480	17.300	7529	17.300	7578	17.300	7627	17.300
7383	17.300	7432	17.300	7481	17.300	7530	17.300	7579	17.300	7628	17.300
7384	17.300	7433	17.300	7482	17.300	7531	17.300	7580	17.300	7629	17.300
7385	17.300	7434	17.300	7483	17.300	7532	17.300	7581	17.300	7630	17.300
7386	17.300	7435	17.300	7484	17.300	7533	17.300	7582	17.300	7631	17.300
7387	17.300	7436	17.300	7485	17.300	7534	17.300	7583	17.300	7632	17.300
7388	17.300	7437	17.300	7486	17.300	7535	17.300	7584	17.300	7633	17.300
7389	17.300	7438	17.300	7487	17.300	7536	17.300	7585	17.300	7634	17.300
7390	17.300	7439	17.300	7488	17.300	7537	17.300	7586	17.300	7635	17.300
7391	17.300	7440	17.300	7489	17.300	7538	17.300	7587	17.300	7636	17.300
7392	17.300	7441	17.300	7490	17.300	7539	17.300	7588	17.300	7637	17.300
7393	17.300	7442	17.300	7491	17.300	7540	17.300	7589	17.300	7638	17.300
7394	17.300	7443	17.300	7492	17.300	7541	17.300	7590	17.300	7639	17.300
7395	17.300	7444	17.300	7493	17.300	7542	17.300	7591	17.300	7640	17.300
7396	17.300	7445	17.300	7494	17.300	7543	17.300	7592	17.300	7641	17.300
7397	17.300	7446	17.300	7495	17.300	7544	17.300	7593	17.300	7642	17.300
7398	17.300	7447	17.300	7496	17.300	7545	17.300	7594	17.300	7643	17.300
7399	17.300	7448	17.300	7497	17.300	7546	17.300	7595	17.300	7644	17.300



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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7645	17.300	7694	17.300	7743	17.300	7792	17.300	7841	17.300	7890	17.300
7646	17.300	7695	17.300	7744	17.300	7793	17.300	7842	17.300	7891	17.300
7647	17.300	7696	17.300	7745	17.300	7794	17.300	7843	17.300	7892	17.300
7648	17.300	7697	17.300	7746	17.300	7795	17.300	7844	17.300	7893	17.300
7649	17.300	7698	17.300	7747	17.300	7796	17.300	7845	17.300	7894	17.300
7650	17.300	7699	17.300	7748	17.300	7797	17.300	7846	17.300	7895	17.300
7651	17.300	7700	17.300	7749	17.300	7798	17.300	7847	17.300	7896	17.300
7652	17.300	7701	17.300	7750	17.300	7799	17.300	7848	17.300	7897	17.300
7653	17.300	7702	17.300	7751	17.300	7800	17.300	7849	17.300	7898	17.300
7654	17.300	7703	17.300	7752	17.300	7801	17.300	7850	17.300	7899	17.300
7655	17.300	7704	17.300	7753	17.300	7802	17.300	7851	17.300	7900	17.300
7656	17.300	7705	17.300	7754	17.300	7803	17.300	7852	17.300	7901	17.300
7657	17.300	7706	17.300	7755	17.300	7804	17.300	7853	17.300	7902	17.300
7658	17.300	7707	17.300	7756	17.300	7805	17.300	7854	17.300	7903	17.300
7659	17.300	7708	17.300	7757	17.300	7806	17.300	7855	17.300	7904	17.300
7660	17.300	7709	17.300	7758	17.300	7807	17.300	7856	17.300	7905	17.300
7661	17.300	7710	17.300	7759	17.300	7808	17.300	7857	17.300	7906	17.300
7662	17.300	7711	17.300	7760	17.300	7809	17.300	7858	17.300	7907	17.300
7663	17.300	7712	17.300	7761	17.300	7810	17.300	7859	17.300	7908	17.300
7664	17.300	7713	17.300	7762	17.300	7811	17.300	7860	17.300	7909	17.300
7665	17.300	7714	17.300	7763	17.300	7812	17.300	7861	17.300	7910	17.300
7666	17.300	7715	17.300	7764	17.300	7813	17.300	7862	17.300	7911	17.300
7667	17.300	7716	17.300	7765	17.300	7814	17.300	7863	17.300	7912	17.300
7668	17.300	7717	17.300	7766	17.300	7815	17.300	7864	17.300	7913	17.300
7669	17.300	7718	17.300	7767	17.300	7816	17.300	7865	17.300	7914	17.300
7670	17.300	7719	17.300	7768	17.300	7817	17.300	7866	17.300	7915	17.300
7671	17.300	7720	17.300	7769	17.300	7818	17.300	7867	17.300	7916	17.300
7672	17.300	7721	17.300	7770	17.300	7819	17.300	7868	17.300	7917	17.300
7673	17.300	7722	17.300	7771	17.300	7820	17.300	7869	17.300	7918	17.300
7674	17.300	7723	17.300	7772	17.300	7821	17.300	7870	17.300	7919	17.300
7675	17.300	7724	17.300	7773	17.300	7822	17.300	7871	17.300	7920	17.300
7676	17.300	7725	17.300	7774	17.300	7823	17.300	7872	17.300	7921	17.300
7677	17.300	7726	17.300	7775	17.300	7824	17.300	7873	17.300	7922	17.300
7678	17.300	7727	17.300	7776	17.300	7825	17.300	7874	17.300	7923	17.300
7679	17.300	7728	17.300	7777	17.300	7826	17.300	7875	17.300	7924	17.300
7680	17.300	7729	17.300	7778	17.300	7827	17.300	7876	17.300	7925	17.300
7681	17.300	7730	17.300	7779	17.300	7828	17.300	7877	17.300	7926	17.300
7682	17.300	7731	17.300	7780	17.300	7829	17.300	7878	17.300	7927	17.300
7683	17.300	7732	17.300	7781	17.300	7830	17.300	7879	17.300	7928	17.300
7684	17.300	7733	17.300	7782	17.300	7831	17.300	7880	17.300	7929	17.300
7685	17.300	7734	17.300	7783	17.300	7832	17.300	7881	17.300	7930	17.300
7686	17.300	7735	17.300	7784	17.300	7833	17.300	7882	17.300	7931	17.300
7687	17.300	7736	17.300	7785	17.300	7834	17.300	7883	17.300	7932	17.300
7688	17.300	7737	17.300	7786	17.300	7835	17.300	7884	17.300	7933	17.300
7689	17.300	7738	17.300	7787	17.300	7836	17.300	7885	17.300	7934	17.300
7690	17.300	7739	17.300	7788	17.300	7837	17.300	7886	17.300	7935	17.300
7691	17.300	7740	17.300	7789	17.300	7838	17.300	7887	17.300	7936	17.300
7692	17.300	7741	17.300	7790	17.300	7839	17.300	7888	17.300	7937	17.300
7693	17.300	7742	17.300	7791	17.300	7840	17.300	7889	17.300	7938	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7939	17.300	7988	17.300	8037	17.300	8086	17.300	8135	17.300	8184	17.300
7940	17.300	7989	17.300	8038	17.300	8087	17.300	8136	17.300	8185	17.300
7941	17.300	7990	17.300	8039	17.300	8088	17.300	8137	17.300	8186	17.300
7942	17.300	7991	17.300	8040	17.300	8089	17.300	8138	17.300	8187	17.300
7943	17.300	7992	17.300	8041	17.300	8090	17.300	8139	17.300	8188	17.300
7944	17.300	7993	17.300	8042	17.300	8091	17.300	8140	17.300	8189	17.300
7945	17.300	7994	17.300	8043	17.300	8092	17.300	8141	17.300	8190	17.300
7946	17.300	7995	17.300	8044	17.300	8093	17.300	8142	17.300	8191	17.300
7947	17.300	7996	17.300	8045	17.300	8094	17.300	8143	17.300	8192	17.300
7948	17.300	7997	17.300	8046	17.300	8095	17.300	8144	17.300	8193	17.300
7949	17.300	7998	17.300	8047	17.300	8096	17.300	8145	17.300	8194	17.300
7950	17.300	7999	17.300	8048	17.300	8097	17.300	8146	17.300	8195	17.300
7951	17.300	8000	17.300	8049	17.300	8098	17.300	8147	17.300	8196	17.300
7952	17.300	8001	17.300	8050	17.300	8099	17.300	8148	17.300	8197	17.300
7953	17.300	8002	17.300	8051	17.300	8100	17.300	8149	17.300	8198	17.300
7954	17.300	8003	17.300	8052	17.300	8101	17.300	8150	17.300	8199	17.300
7955	17.300	8004	17.300	8053	17.300	8102	17.300	8151	17.300	8200	17.300
7956	17.300	8005	17.300	8054	17.300	8103	17.300	8152	17.300	8201	17.300
7957	17.300	8006	17.300	8055	17.300	8104	17.300	8153	17.300	8202	17.300
7958	17.300	8007	17.300	8056	17.300	8105	17.300	8154	17.300	8203	17.300
7959	17.300	8008	17.300	8057	17.300	8106	17.300	8155	17.300	8204	17.300
7960	17.300	8009	17.300	8058	17.300	8107	17.300	8156	17.300	8205	17.300
7961	17.300	8010	17.300	8059	17.300	8108	17.300	8157	17.300	8206	17.300
7962	17.300	8011	17.300	8060	17.300	8109	17.300	8158	17.300	8207	17.300
7963	17.300	8012	17.300	8061	17.300	8110	17.300	8159	17.300	8208	17.300
7964	17.300	8013	17.300	8062	17.300	8111	17.300	8160	17.300	8209	17.300
7965	17.300	8014	17.300	8063	17.300	8112	17.300	8161	17.300	8210	17.300
7966	17.300	8015	17.300	8064	17.300	8113	17.300	8162	17.300	8211	17.300
7967	17.300	8016	17.300	8065	17.300	8114	17.300	8163	17.300	8212	17.300
7968	17.300	8017	17.300	8066	17.300	8115	17.300	8164	17.300	8213	17.300
7969	17.300	8018	17.300	8067	17.300	8116	17.300	8165	17.300	8214	17.300
7970	17.300	8019	17.300	8068	17.300	8117	17.300	8166	17.300	8215	17.300
7971	17.300	8020	17.300	8069	17.300	8118	17.300	8167	17.300	8216	17.300
7972	17.300	8021	17.300	8070	17.300	8119	17.300	8168	17.300	8217	17.300
7973	17.300	8022	17.300	8071	17.300	8120	17.300	8169	17.300	8218	17.300
7974	17.300	8023	17.300	8072	17.300	8121	17.300	8170	17.300	8219	17.300
7975	17.300	8024	17.300	8073	17.300	8122	17.300	8171	17.300	8220	17.300
7976	17.300	8025	17.300	8074	17.300	8123	17.300	8172	17.300	8221	17.300
7977	17.300	8026	17.300	8075	17.300	8124	17.300	8173	17.300	8222	17.300
7978	17.300	8027	17.300	8076	17.300	8125	17.300	8174	17.300	8223	17.300
7979	17.300	8028	17.300	8077	17.300	8126	17.300	8175	17.300	8224	17.300
7980	17.300	8029	17.300	8078	17.300	8127	17.300	8176	17.300	8225	17.300
7981	17.300	8030	17.300	8079	17.300	8128	17.300	8177	17.300	8226	17.300
7982	17.300	8031	17.300	8080	17.300	8129	17.300	8178	17.300	8227	17.300
7983	17.300	8032	17.300	8081	17.300	8130	17.300	8179	17.300	8228	17.300
7984	17.300	8033	17.300	8082	17.300	8131	17.300	8180	17.300	8229	17.300
7985	17.300	8034	17.300	8083	17.300	8132	17.300	8181	17.300	8230	17.300
7986	17.300	8035	17.300	8084	17.300	8133	17.300	8182	17.300	8231	17.300
7987	17.300	8036	17.300	8085	17.300	8134	17.300	8183	17.300	8232	17.300



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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8233	17.300	8282	17.300	8331	17.300	8380	17.300	8429	17.300	8478	17.300
8234	17.300	8283	17.300	8332	17.300	8381	17.300	8430	17.300	8479	17.300
8235	17.300	8284	17.300	8333	17.300	8382	17.300	8431	17.300	8480	17.300
8236	17.300	8285	17.300	8334	17.300	8383	17.300	8432	17.300	8481	17.300
8237	17.300	8286	17.300	8335	17.300	8384	17.300	8433	17.300	8482	17.300
8238	17.300	8287	17.300	8336	17.300	8385	17.300	8434	17.300	8483	17.300
8239	17.300	8288	17.300	8337	17.300	8386	17.300	8435	17.300	8484	17.300
8240	17.300	8289	17.300	8338	17.300	8387	17.300	8436	17.300	8485	17.300
8241	17.300	8290	17.300	8339	17.300	8388	17.300	8437	17.300	8486	17.300
8242	17.300	8291	17.300	8340	17.300	8389	17.300	8438	17.300	8487	17.300
8243	17.300	8292	17.300	8341	17.300	8390	17.300	8439	17.300	8488	17.300
8244	17.300	8293	17.300	8342	17.300	8391	17.300	8440	17.300	8489	17.300
8245	17.300	8294	17.300	8343	17.300	8392	17.300	8441	17.300	8490	17.300
8246	17.300	8295	17.300	8344	17.300	8393	17.300	8442	17.300	8491	17.300
8247	17.300	8296	17.300	8345	17.300	8394	17.300	8443	17.300	8492	17.300
8248	17.300	8297	17.300	8346	17.300	8395	17.300	8444	17.300	8493	17.300
8249	17.300	8298	17.300	8347	17.300	8396	17.300	8445	17.300	8494	17.300
8250	17.300	8299	17.300	8348	17.300	8397	17.300	8446	17.300	8495	17.300
8251	17.300	8300	17.300	8349	17.300	8398	17.300	8447	17.300	8496	17.300
8252	17.300	8301	17.300	8350	17.300	8399	17.300	8448	17.300	8497	17.300
8253	17.300	8302	17.300	8351	17.300	8400	17.300	8449	17.300	8498	17.300
8254	17.300	8303	17.300	8352	17.300	8401	17.300	8450	17.300	8499	17.300
8255	17.300	8304	17.300	8353	17.300	8402	17.300	8451	17.300	8500	17.300
8256	17.300	8305	17.300	8354	17.300	8403	17.300	8452	17.300	8501	17.300
8257	17.300	8306	17.300	8355	17.300	8404	17.300	8453	17.300	8502	17.300
8258	17.300	8307	17.300	8356	17.300	8405	17.300	8454	17.300	8503	17.300
8259	17.300	8308	17.300	8357	17.300	8406	17.300	8455	17.300	8504	17.300
8260	17.300	8309	17.300	8358	17.300	8407	17.300	8456	17.300	8505	17.300
8261	17.300	8310	17.300	8359	17.300	8408	17.300	8457	17.300	8506	17.300
8262	17.300	8311	17.300	8360	17.300	8409	17.300	8458	17.300	8507	17.300
8263	17.300	8312	17.300	8361	17.300	8410	17.300	8459	17.300	8508	17.300
8264	17.300	8313	17.300	8362	17.300	8411	17.300	8460	17.300	8509	17.300
8265	17.300	8314	17.300	8363	17.300	8412	17.300	8461	17.300	8510	17.300
8266	17.300	8315	17.300	8364	17.300	8413	17.300	8462	17.300	8511	17.300
8267	17.300	8316	17.300	8365	17.300	8414	17.300	8463	17.300	8512	17.300
8268	17.300	8317	17.300	8366	17.300	8415	17.300	8464	17.300	8513	17.300
8269	17.300	8318	17.300	8367	17.300	8416	17.300	8465	17.300	8514	17.300
8270	17.300	8319	17.300	8368	17.300	8417	17.300	8466	17.300	8515	17.300
8271	17.300	8320	17.300	8369	17.300	8418	17.300	8467	17.300	8516	17.300
8272	17.300	8321	17.300	8370	17.300	8419	17.300	8468	17.300	8517	17.300
8273	17.300	8322	17.300	8371	17.300	8420	17.300	8469	17.300	8518	17.300
8274	17.300	8323	17.300	8372	17.300	8421	17.300	8470	17.300	8519	17.300
8275	17.300	8324	17.300	8373	17.300	8422	17.300	8471	17.300	8520	17.300
8276	17.300	8325	17.300	8374	17.300	8423	17.300	8472	17.300	8521	17.300
8277	17.300	8326	17.300	8375	17.300	8424	17.300	8473	17.300	8522	17.300
8278	17.300	8327	17.300	8376	17.300	8425	17.300	8474	17.300	8523	17.300
8279	17.300	8328	17.300	8377	17.300	8426	17.300	8475	17.300	8524	17.300
8280	17.300	8329	17.300	8378	17.300	8427	17.300	8476	17.300	8525	17.300
8281	17.300	8330	17.300	8379	17.300	8428	17.300	8477	17.300	8526	17.300

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File SLR-AB-10A.MDX

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Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8527	17.300	8576	17.300	8625	17.300	8674	17.300	8723	17.300	8772	17.300
8528	17.300	8577	17.300	8626	17.300	8675	17.300	8724	17.300	8773	17.300
8529	17.300	8578	17.300	8627	17.300	8676	17.300	8725	17.300	8774	17.300
8530	17.300	8579	17.300	8628	17.300	8677	17.300	8726	17.300	8775	17.300
8531	17.300	8580	17.300	8629	17.300	8678	17.300	8727	17.300	8776	17.300
8532	17.300	8581	17.300	8630	17.300	8679	17.300	8728	17.300	8777	17.300
8533	17.300	8582	17.300	8631	17.300	8680	17.300	8729	17.300	8778	17.300
8534	17.300	8583	17.300	8632	17.300	8681	17.300	8730	17.300	8779	17.300
8535	17.300	8584	17.300	8633	17.300	8682	17.300	8731	17.300	8780	17.300
8536	17.300	8585	17.300	8634	17.300	8683	17.300	8732	17.300	8781	17.300
8537	17.300	8586	17.300	8635	17.300	8684	17.300	8733	17.300	8782	17.300
8538	17.300	8587	17.300	8636	17.300	8685	17.300	8734	17.300	8783	17.300
8539	17.300	8588	17.300	8637	17.300	8686	17.300	8735	17.300	8784	17.300
8540	17.300	8589	17.300	8638	17.300	8687	17.300	8736	17.300	8785	17.300
8541	17.300	8590	17.300	8639	17.300	8688	17.300	8737	17.300	8786	17.300
8542	17.300	8591	17.300	8640	17.300	8689	17.300	8738	17.300	8787	17.300
8543	17.300	8592	17.300	8641	17.300	8690	17.300	8739	17.300	8788	17.300
8544	17.300	8593	17.300	8642	17.300	8691	17.300	8740	17.300	8789	17.300
8545	17.300	8594	17.300	8643	17.300	8692	17.300	8741	17.300	8790	17.300
8546	17.300	8595	17.300	8644	17.300	8693	17.300	8742	17.300	8791	17.300
8547	17.300	8596	17.300	8645	17.300	8694	17.300	8743	17.300	8792	17.300
8548	17.300	8597	17.300	8646	17.300	8695	17.300	8744	17.300	8793	17.300
8549	17.300	8598	17.300	8647	17.300	8696	17.300	8745	17.300	8794	17.300
8550	17.300	8599	17.300	8648	17.300	8697	17.300	8746	17.300	8795	17.300
8551	17.300	8600	17.300	8649	17.300	8698	17.300	8747	17.300	8796	17.300
8552	17.300	8601	17.300	8650	17.300	8699	17.300	8748	17.300	8797	17.300
8553	17.300	8602	17.300	8651	17.300	8700	17.300	8749	17.300	8798	17.300
8554	17.300	8603	17.300	8652	17.300	8701	17.300	8750	17.300	8799	17.300
8555	17.300	8604	17.300	8653	17.300	8702	17.300	8751	17.300	8800	17.300
8556	17.300	8605	17.300	8654	17.300	8703	17.300	8752	17.300	8801	17.300
8557	17.300	8606	17.300	8655	17.300	8704	17.300	8753	17.300	8802	17.300
8558	17.300	8607	17.300	8656	17.300	8705	17.300	8754	17.300	8803	17.300
8559	17.300	8608	17.300	8657	17.300	8706	17.300	8755	17.300	8804	17.300
8560	17.300	8609	17.300	8658	17.300	8707	17.300	8756	17.300	8805	17.300
8561	17.300	8610	17.300	8659	17.300	8708	17.300	8757	17.300	8806	17.300
8562	17.300	8611	17.300	8660	17.300	8709	17.300	8758	17.300	8807	17.300
8563	17.300	8612	17.300	8661	17.300	8710	17.300	8759	17.300	8808	17.300
8564	17.300	8613	17.300	8662	17.300	8711	17.300	8760	17.300	8809	17.300
8565	17.300	8614	17.300	8663	17.300	8712	17.300	8761	17.300	8810	17.300
8566	17.300	8615	17.300	8664	17.300	8713	17.300	8762	17.300	8811	17.300
8567	17.300	8616	17.300	8665	17.300	8714	17.300	8763	17.300	8812	17.300
8568	17.300	8617	17.300	8666	17.300	8715	17.300	8764	17.300	8813	17.300
8569	17.300	8618	17.300	8667	17.300	8716	17.300	8765	17.300	8814	17.300
8570	17.300	8619	17.300	8668	17.300	8717	17.300	8766	17.300	8815	17.300
8571	17.300	8620	17.300	8669	17.300	8718	17.300	8767	17.300	8816	17.300
8572	17.300	8621	17.300	8670	17.300	8719	17.300	8768	17.300	8817	17.300
8573	17.300	8622	17.300	8671	17.300	8720	17.300	8769	17.300	8818	17.300
8574	17.300	8623	17.300	8672	17.300	8721	17.300	8770	17.300	8819	17.300
8575	17.300	8624	17.300	8673	17.300	8722	17.300	8771	17.300	8820	17.300

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File SLR-AB-10A.MDX

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XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8821	17.300	8870	17.300	8919	17.300	8968	17.300	9017	17.300	9066	17.300
8822	17.300	8871	17.300	8920	17.300	8969	17.300	9018	17.300	9067	17.300
8823	17.300	8872	17.300	8921	17.300	8970	17.300	9019	17.300	9068	17.300
8824	17.300	8873	17.300	8922	17.300	8971	17.300	9020	17.300	9069	17.300
8825	17.300	8874	17.300	8923	17.300	8972	17.300	9021	17.300	9070	17.300
8826	17.300	8875	17.300	8924	17.300	8973	17.300	9022	17.300	9071	17.300
8827	17.300	8876	17.300	8925	17.300	8974	17.300	9023	17.300	9072	17.300
8828	17.300	8877	17.300	8926	17.300	8975	17.300	9024	17.300	9073	17.300
8829	17.300	8878	17.300	8927	17.300	8976	17.300	9025	17.300	9074	17.300
8830	17.300	8879	17.300	8928	17.300	8977	17.300	9026	17.300	9075	17.300
8831	17.300	8880	17.300	8929	17.300	8978	17.300	9027	17.300	9076	17.300
8832	17.300	8881	17.300	8930	17.300	8979	17.300	9028	17.300	9077	17.300
8833	17.300	8882	17.300	8931	17.300	8980	17.300	9029	17.300	9078	17.300
8834	17.300	8883	17.300	8932	17.300	8981	17.300	9030	17.300	9079	17.300
8835	17.300	8884	17.300	8933	17.300	8982	17.300	9031	17.300	9080	17.300
8836	17.300	8885	17.300	8934	17.300	8983	17.300	9032	17.300	9081	17.300
8837	17.300	8886	17.300	8935	17.300	8984	17.300	9033	17.300	9082	17.300
8838	17.300	8887	17.300	8936	17.300	8985	17.300	9034	17.300	9083	17.300
8839	17.300	8888	17.300	8937	17.300	8986	17.300	9035	17.300	9084	17.300
8840	17.300	8889	17.300	8938	17.300	8987	17.300	9036	17.300	9085	17.300
8841	17.300	8890	17.300	8939	17.300	8988	17.300	9037	17.300	9086	17.300
8842	17.300	8891	17.300	8940	17.300	8989	17.300	9038	17.300	9087	17.300
8843	17.300	8892	17.300	8941	17.300	8990	17.300	9039	17.300	9088	17.300
8844	17.300	8893	17.300	8942	17.300	8991	17.300	9040	17.300	9089	17.300
8845	17.300	8894	17.300	8943	17.300	8992	17.300	9041	17.300	9090	17.300
8846	17.300	8895	17.300	8944	17.300	8993	17.300	9042	17.300	9091	17.300
8847	17.300	8896	17.300	8945	17.300	8994	17.300	9043	17.300	9092	17.300
8848	17.300	8897	17.300	8946	17.300	8995	17.300	9044	17.300	9093	17.300
8849	17.300	8898	17.300	8947	17.300	8996	17.300	9045	17.300	9094	17.300
8850	17.300	8899	17.300	8948	17.300	8997	17.300	9046	17.300	9095	17.300
8851	17.300	8900	17.300	8949	17.300	8998	17.300	9047	17.300	9096	17.300
8852	17.300	8901	17.300	8950	17.300	8999	17.300	9048	17.300	9097	17.300
8853	17.300	8902	17.300	8951	17.300	9000	17.300	9049	17.300	9098	17.300
8854	17.300	8903	17.300	8952	17.300	9001	17.300	9050	17.300	9099	17.300
8855	17.300	8904	17.300	8953	17.300	9002	17.300	9051	17.300	9100	17.300
8856	17.300	8905	17.300	8954	17.300	9003	17.300	9052	17.300	9101	17.300
8857	17.300	8906	17.300	8955	17.300	9004	17.300	9053	17.300	9102	17.300
8858	17.300	8907	17.300	8956	17.300	9005	17.300	9054	17.300	9103	17.300
8859	17.300	8908	17.300	8957	17.300	9006	17.300	9055	17.300	9104	17.300
8860	17.300	8909	17.300	8958	17.300	9007	17.300	9056	17.300	9105	17.300
8861	17.300	8910	17.300	8959	17.300	9008	17.300	9057	17.300	9106	17.300
8862	17.300	8911	17.300	8960	17.300	9009	17.300	9058	17.300	9107	17.300
8863	17.300	8912	17.300	8961	17.300	9010	17.300	9059	17.300	9108	17.300
8864	17.300	8913	17.300	8962	17.300	9011	17.300	9060	17.300	9109	17.300
8865	17.300	8914	17.300	8963	17.300	9012	17.300	9061	17.300	9110	17.300
8866	17.300	8915	17.300	8964	17.300	9013	17.300	9062	17.300	9111	17.300
8867	17.300	8916	17.300	8965	17.300	9014	17.300	9063	17.300	9112	17.300
8868	17.300	8917	17.300	8966	17.300	9015	17.300	9064	17.300	9113	17.300
8869	17.300	8918	17.300	8967	17.300	9016	17.300	9065	17.300	9114	17.300

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9115	17.300	9164	17.300	9213	17.300	9262	17.300	9311	17.300	9360	17.300
9116	17.300	9165	17.300	9214	17.300	9263	17.300	9312	17.300	9361	17.300
9117	17.300	9166	17.300	9215	17.300	9264	17.300	9313	17.300	9362	17.300
9118	17.300	9167	17.300	9216	17.300	9265	17.300	9314	17.300	9363	17.300
9119	17.300	9168	17.300	9217	17.300	9266	17.300	9315	17.300	9364	17.300
9120	17.300	9169	17.300	9218	17.300	9267	17.300	9316	17.300	9365	17.300
9121	17.300	9170	17.300	9219	17.300	9268	17.300	9317	17.300	9366	17.300
9122	17.300	9171	17.300	9220	17.300	9269	17.300	9318	17.300	9367	17.300
9123	17.300	9172	17.300	9221	17.300	9270	17.300	9319	17.300	9368	17.300
9124	17.300	9173	17.300	9222	17.300	9271	17.300	9320	17.300	9369	17.300
9125	17.300	9174	17.300	9223	17.300	9272	17.300	9321	17.300	9370	17.300
9126	17.300	9175	17.300	9224	17.300	9273	17.300	9322	17.300	9371	17.300
9127	17.300	9176	17.300	9225	17.300	9274	17.300	9323	17.300	9372	17.300
9128	17.300	9177	17.300	9226	17.300	9275	17.300	9324	17.300	9373	17.300
9129	17.300	9178	17.300	9227	17.300	9276	17.300	9325	17.300	9374	17.300
9130	17.300	9179	17.300	9228	17.300	9277	17.300	9326	17.300	9375	17.300
9131	17.300	9180	17.300	9229	17.300	9278	17.300	9327	17.300	9376	17.300
9132	17.300	9181	17.300	9230	17.300	9279	17.300	9328	17.300	9377	17.300
9133	17.300	9182	17.300	9231	17.300	9280	17.300	9329	17.300	9378	17.300
9134	17.300	9183	17.300	9232	17.300	9281	17.300	9330	17.300	9379	17.300
9135	17.300	9184	17.300	9233	17.300	9282	17.300	9331	17.300	9380	17.300
9136	17.300	9185	17.300	9234	17.300	9283	17.300	9332	17.300	9381	17.300
9137	17.300	9186	17.300	9235	17.300	9284	17.300	9333	17.300	9382	17.300
9138	17.300	9187	17.300	9236	17.300	9285	17.300	9334	17.300	9383	17.300
9139	17.300	9188	17.300	9237	17.300	9286	17.300	9335	17.300	9384	17.300
9140	17.300	9189	17.300	9238	17.300	9287	17.300	9336	17.300	9385	17.300
9141	17.300	9190	17.300	9239	17.300	9288	17.300	9337	17.300	9386	17.300
9142	17.300	9191	17.300	9240	17.300	9289	17.300	9338	17.300	9387	17.300
9143	17.300	9192	17.300	9241	17.300	9290	17.300	9339	17.300	9388	17.300
9144	17.300	9193	17.300	9242	17.300	9291	17.300	9340	17.300	9389	17.300
9145	17.300	9194	17.300	9243	17.300	9292	17.300	9341	17.300	9390	17.300
9146	17.300	9195	17.300	9244	17.300	9293	17.300	9342	17.300	9391	17.300
9147	17.300	9196	17.300	9245	17.300	9294	17.300	9343	17.300	9392	17.300
9148	17.300	9197	17.300	9246	17.300	9295	17.300	9344	17.300	9393	17.300
9149	17.300	9198	17.300	9247	17.300	9296	17.300	9345	17.300	9394	17.300
9150	17.300	9199	17.300	9248	17.300	9297	17.300	9346	17.300	9395	17.300
9151	17.300	9200	17.300	9249	17.300	9298	17.300	9347	17.300	9396	17.300
9152	17.300	9201	17.300	9250	17.300	9299	17.300	9348	17.300	9397	17.300
9153	17.300	9202	17.300	9251	17.300	9300	17.300	9349	17.300	9398	17.300
9154	17.300	9203	17.300	9252	17.300	9301	17.300	9350	17.300	9399	17.300
9155	17.300	9204	17.300	9253	17.300	9302	17.300	9351	17.300	9400	17.300
9156	17.300	9205	17.300	9254	17.300	9303	17.300	9352	17.300	9401	17.300
9157	17.300	9206	17.300	9255	17.300	9304	17.300	9353	17.300	9402	17.300
9158	17.300	9207	17.300	9256	17.300	9305	17.300	9354	17.300	9403	17.300
9159	17.300	9208	17.300	9257	17.300	9306	17.300	9355	17.300	9404	17.300
9160	17.300	9209	17.300	9258	17.300	9307	17.300	9356	17.300	9405	17.300
9161	17.300	9210	17.300	9259	17.300	9308	17.300	9357	17.300	9406	17.300
9162	17.300	9211	17.300	9260	17.300	9309	17.300	9358	17.300	9407	17.300
9163	17.300	9212	17.300	9261	17.300	9310	17.300	9359	17.300	9408	17.300



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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9409	17.300	9458	17.300	9507	17.300	9556	17.300	9605	17.300	9654	17.300
9410	17.300	9459	17.300	9508	17.300	9557	17.300	9606	17.300	9655	17.300
9411	17.300	9460	17.300	9509	17.300	9558	17.300	9607	17.300	9656	17.300
9412	17.300	9461	17.300	9510	17.300	9559	17.300	9608	17.300	9657	17.300
9413	17.300	9462	17.300	9511	17.300	9560	17.300	9609	17.300	9658	17.300
9414	17.300	9463	17.300	9512	17.300	9561	17.300	9610	17.300	9659	17.300
9415	17.300	9464	17.300	9513	17.300	9562	17.300	9611	17.300	9660	17.300
9416	17.300	9465	17.300	9514	17.300	9563	17.300	9612	17.300	9661	17.300
9417	17.300	9466	17.300	9515	17.300	9564	17.300	9613	17.300	9662	17.300
9418	17.300	9467	17.300	9516	17.300	9565	17.300	9614	17.300	9663	17.300
9419	17.300	9468	17.300	9517	17.300	9566	17.300	9615	17.300	9664	17.300
9420	17.300	9469	17.300	9518	17.300	9567	17.300	9616	17.300	9665	17.300
9421	17.300	9470	17.300	9519	17.300	9568	17.300	9617	17.300	9666	17.300
9422	17.300	9471	17.300	9520	17.300	9569	17.300	9618	17.300	9667	17.300
9423	17.300	9472	17.300	9521	17.300	9570	17.300	9619	17.300	9668	17.300
9424	17.300	9473	17.300	9522	17.300	9571	17.300	9620	17.300	9669	17.300
9425	17.300	9474	17.300	9523	17.300	9572	17.300	9621	17.300	9670	17.300
9426	17.300	9475	17.300	9524	17.300	9573	17.300	9622	17.300	9671	17.300
9427	17.300	9476	17.300	9525	17.300	9574	17.300	9623	17.300	9672	17.300
9428	17.300	9477	17.300	9526	17.300	9575	17.300	9624	17.300	9673	17.300
9429	17.300	9478	17.300	9527	17.300	9576	17.300	9625	17.300	9674	17.300
9430	17.300	9479	17.300	9528	17.300	9577	17.300	9626	17.300	9675	17.300
9431	17.300	9480	17.300	9529	17.300	9578	17.300	9627	17.300	9676	17.300
9432	17.300	9481	17.300	9530	17.300	9579	17.300	9628	17.300	9677	17.300
9433	17.300	9482	17.300	9531	17.300	9580	17.300	9629	17.300	9678	17.300
9434	17.300	9483	17.300	9532	17.300	9581	17.300	9630	17.300	9679	17.300
9435	17.300	9484	17.300	9533	17.300	9582	17.300	9631	17.300	9680	17.300
9436	17.300	9485	17.300	9534	17.300	9583	17.300	9632	17.300	9681	17.300
9437	17.300	9486	17.300	9535	17.300	9584	17.300	9633	17.300	9682	17.300
9438	17.300	9487	17.300	9536	17.300	9585	17.300	9634	17.300	9683	17.300
9439	17.300	9488	17.300	9537	17.300	9586	17.300	9635	17.300	9684	17.300
9440	17.300	9489	17.300	9538	17.300	9587	17.300	9636	17.300	9685	17.300
9441	17.300	9490	17.300	9539	17.300	9588	17.300	9637	17.300	9686	17.300
9442	17.300	9491	17.300	9540	17.300	9589	17.300	9638	17.300	9687	17.300
9443	17.300	9492	17.300	9541	17.300	9590	17.300	9639	17.300	9688	17.300
9444	17.300	9493	17.300	9542	17.300	9591	17.300	9640	17.300	9689	17.300
9445	17.300	9494	17.300	9543	17.300	9592	17.300	9641	17.300	9690	17.300
9446	17.300	9495	17.300	9544	17.300	9593	17.300	9642	17.300	9691	17.300
9447	17.300	9496	17.300	9545	17.300	9594	17.300	9643	17.300	9692	17.300
9448	17.300	9497	17.300	9546	17.300	9595	17.300	9644	17.300	9693	17.300
9449	17.300	9498	17.300	9547	17.300	9596	17.300	9645	17.300	9694	17.300
9450	17.300	9499	17.300	9548	17.300	9597	17.300	9646	17.300	9695	17.300
9451	17.300	9500	17.300	9549	17.300	9598	17.300	9647	17.300	9696	17.300
9452	17.300	9501	17.300	9550	17.300	9599	17.300	9648	17.300	9697	17.300
9453	17.300	9502	17.300	9551	17.300	9600	17.300	9649	17.300	9698	17.300
9454	17.300	9503	17.300	9552	17.300	9601	17.300	9650	17.300	9699	17.300
9455	17.300	9504	17.300	9553	17.300	9602	17.300	9651	17.300	9700	17.300
9456	17.300	9505	17.300	9554	17.300	9603	17.300	9652	17.300	9701	17.300
9457	17.300	9506	17.300	9555	17.300	9604	17.300	9653	17.300	9702	17.300



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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9703	17.300	9752	17.300	9801	17.300	9850	17.300	9899	17.300	9948	17.300
9704	17.300	9753	17.300	9802	17.300	9851	17.300	9900	17.300	9949	17.300
9705	17.300	9754	17.300	9803	17.300	9852	17.300	9901	17.300	9950	17.300
9706	17.300	9755	17.300	9804	17.300	9853	17.300	9902	17.300	9951	17.300
9707	17.300	9756	17.300	9805	17.300	9854	17.300	9903	17.300	9952	17.300
9708	17.300	9757	17.300	9806	17.300	9855	17.300	9904	17.300	9953	17.300
9709	17.300	9758	17.300	9807	17.300	9856	17.300	9905	17.300	9954	17.300
9710	17.300	9759	17.300	9808	17.300	9857	17.300	9906	17.300	9955	17.300
9711	17.300	9760	17.300	9809	17.300	9858	17.300	9907	17.300	9956	17.300
9712	17.300	9761	17.300	9810	17.300	9859	17.300	9908	17.300	9957	17.300
9713	17.300	9762	17.300	9811	17.300	9860	17.300	9909	17.300	9958	17.300
9714	17.300	9763	17.300	9812	17.300	9861	17.300	9910	17.300	9959	17.300
9715	17.300	9764	17.300	9813	17.300	9862	17.300	9911	17.300	9960	17.300
9716	17.300	9765	17.300	9814	17.300	9863	17.300	9912	17.300	9961	17.300
9717	17.300	9766	17.300	9815	17.300	9864	17.300	9913	17.300	9962	17.300
9718	17.300	9767	17.300	9816	17.300	9865	17.300	9914	17.300	9963	17.300
9719	17.300	9768	17.300	9817	17.300	9866	17.300	9915	17.300	9964	17.300
9720	17.300	9769	17.300	9818	17.300	9867	17.300	9916	17.300	9965	17.300
9721	17.300	9770	17.300	9819	17.300	9868	17.300	9917	17.300	9966	17.300
9722	17.300	9771	17.300	9820	17.300	9869	17.300	9918	17.300	9967	17.300
9723	17.300	9772	17.300	9821	17.300	9870	17.300	9919	17.300	9968	17.300
9724	17.300	9773	17.300	9822	17.300	9871	17.300	9920	17.300	9969	17.300
9725	17.300	9774	17.300	9823	17.300	9872	17.300	9921	17.300	9970	17.300
9726	17.300	9775	17.300	9824	17.300	9873	17.300	9922	17.300	9971	17.300
9727	17.300	9776	17.300	9825	17.300	9874	17.300	9923	17.300	9972	17.300
9728	17.300	9777	17.300	9826	17.300	9875	17.300	9924	17.300	9973	17.300
9729	17.300	9778	17.300	9827	17.300	9876	17.300	9925	17.300	9974	17.300
9730	17.300	9779	17.300	9828	17.300	9877	17.300	9926	17.300	9975	17.300
9731	17.300	9780	17.300	9829	17.300	9878	17.300	9927	17.300	9976	17.300
9732	17.300	9781	17.300	9830	17.300	9879	17.300	9928	17.300	9977	17.300
9733	17.300	9782	17.300	9831	17.300	9880	17.300	9929	17.300	9978	17.300
9734	17.300	9783	17.300	9832	17.300	9881	17.300	9930	17.300	9979	17.300
9735	17.300	9784	17.300	9833	17.300	9882	17.300	9931	17.300	9980	17.300
9736	17.300	9785	17.300	9834	17.300	9883	17.300	9932	17.300	9981	17.300
9737	17.300	9786	17.300	9835	17.300	9884	17.300	9933	17.300	9982	17.300
9738	17.300	9787	17.300	9836	17.300	9885	17.300	9934	17.300	9983	17.300
9739	17.300	9788	17.300	9837	17.300	9886	17.300	9935	17.300	9984	17.300
9740	17.300	9789	17.300	9838	17.300	9887	17.300	9936	17.300	9985	17.300
9741	17.300	9790	17.300	9839	17.300	9888	17.300	9937	17.300	9986	17.300
9742	17.300	9791	17.300	9840	17.300	9889	17.300	9938	17.300	9987	17.300
9743	17.300	9792	17.300	9841	17.300	9890	17.300	9939	17.300	9988	17.300
9744	17.300	9793	17.300	9842	17.300	9891	17.300	9940	17.300	9989	17.300
9745	17.300	9794	17.300	9843	17.300	9892	17.300	9941	17.300	9990	17.300
9746	17.300	9795	17.300	9844	17.300	9893	17.300	9942	17.300	9991	17.300
9747	17.300	9796	17.300	9845	17.300	9894	17.300	9943	17.300	9992	17.300
9748	17.300	9797	17.300	9846	17.300	9895	17.300	9944	17.300	9993	17.300
9749	17.300	9798	17.300	9847	17.300	9896	17.300	9945	17.300	9994	17.300
9750	17.300	9799	17.300	9848	17.300	9897	17.300	9946	17.300	9995	17.300
9751	17.300	9800	17.300	9849	17.300	9898	17.300	9947	17.300	9996	17.300

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### Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9997	17.300	10011	17.300	10025	17.300	10039	17.300	10053	17.300	10067	17.300
9998	17.300	10012	17.300	10026	17.300	10040	17.300	10054	17.300	10068	17.300
9999	17.300	10013	17.300	10027	17.300	10041	17.300	10055	17.300	10069	17.300
10000	17.300	10014	17.300	10028	17.300	10042	17.300	10056	17.300	10070	17.300
10001	17.300	10015	17.300	10029	17.300	10043	17.300	10057	17.300	10071	17.300
10002	17.300	10016	17.300	10030	17.300	10044	17.300	10058	17.300	10072	17.300
10003	17.300	10017	17.300	10031	17.300	10045	17.300	10059	17.300	10073	17.300
10004	17.300	10018	17.300	10032	17.300	10046	17.300	10060	17.300	10074	17.300
10005	17.300	10019	17.300	10033	17.300	10047	17.300	10061	17.300	10075	17.300
10006	17.300	10020	17.300	10034	17.300	10048	17.300	10062	17.300	10076	17.300
10007	17.300	10021	17.300	10035	17.300	10049	17.300	10063	17.300	10077	17.300
10008	17.300	10022	17.300	10036	17.300	10050	17.300	10064	17.300	10078	17.300
10009	17.300	10023	17.300	10037	17.300	10051	17.300	10065	17.300	10079	17.300
10010	17.300	10024	17.300	10038	17.300	10052	17.300	10066	17.300	10080	17.300

### Simulation Criteria for Storm

Volumetric Runoff Coeff 0.750      Additional Flow - % of Total Flow 0.000  
 Areal Reduction Factor 1.000      MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
     Hot Start (mins)      0      Inlet Coefficient 0.800  
     Hot Start Level (mm)      0      Flow per Person per Day (l/per/day) 0.000  
 Manhole Headloss Coeff (Global) 0.500      Run Time (mins)      60  
 Foul Sewage per hectare (l/s) 0.000      Output Interval (mins)      1

Number of Input Hydrographs 0      Number of Storage Structures 2  
 Number of Online Controls 2      Number of Time/Area Diagrams 0  
 Number of Offline Controls 0      Number of Real Time Controls 0

### Synthetic Rainfall Details

Rainfall Model	FEH
Return Period (years)	30
FEH Rainfall Version	2013
Site Location	GB 640286 267538 TM 40286 67538
Data Type	Point
Summer Storms	Yes
Winter Storms	Yes
Cv (Summer)	0.750
Cv (Winter)	0.840
Storm Duration (mins)	30



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Online Controls for Storm

Hydro-Brake® Optimum Manhole: S8, DS/PN: S1.007, Volume (m³): 17.0

Unit Reference MD-SHE-0070-3000-2000-3000  
 Design Head (m) 2.000  
 Design Flow (l/s) 3.0  
 Flush-Flo™ Calculated  
 Objective Minimise upstream storage  
 Application Surface  
 Sump Available Yes  
 Diameter (mm) 70  
 Invert Level (m) 20.240  
 Minimum Outlet Pipe Diameter (mm) 100  
 Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	2.000	3.0	Kick-Flo®	0.630	1.8
Flush-Flo™	0.310	2.2	Mean Flow over Head Range	-	2.3

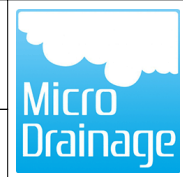
The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	1.8	1.200	2.4	3.000	3.6	7.000	5.4
0.200	2.1	1.400	2.5	3.500	3.9	7.500	5.6
0.300	2.2	1.600	2.7	4.000	4.1	8.000	5.7
0.400	2.2	1.800	2.9	4.500	4.4	8.500	5.9
0.500	2.1	2.000	3.0	5.000	4.6	9.000	6.1
0.600	1.9	2.200	3.1	5.500	4.8	9.500	6.2
0.800	2.0	2.400	3.3	6.000	5.0		
1.000	2.2	2.600	3.4	6.500	5.2		

Hydro-Brake® Optimum Manhole: S32, DS/PN: S1.012, Volume (m³): 6.8

Unit Reference MD-SHE-0092-5000-2000-5000  
 Design Head (m) 2.000  
 Design Flow (l/s) 5.0  
 Flush-Flo™ Calculated  
 Objective Minimise upstream storage  
 Application Surface  
 Sump Available Yes  
 Diameter (mm) 92  
 Invert Level (m) 18.400  
 Minimum Outlet Pipe Diameter (mm) 150  
 Suggested Manhole Diameter (mm) 1200

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Hydro-Brake® Optimum Manhole: S32, DS/PN: S1.012, Volume (m³): 6.8

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	2.000	5.0	Kick-Flo®	0.816	3.3
Flush-Flo™	0.398	4.1	Mean Flow over Head Range	-	3.9

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	2.9	1.200	3.9	3.000	6.0	7.000	9.0
0.200	3.8	1.400	4.2	3.500	6.5	7.500	9.3
0.300	4.1	1.600	4.5	4.000	6.9	8.000	9.6
0.400	4.1	1.800	4.8	4.500	7.3	8.500	9.9
0.500	4.1	2.000	5.0	5.000	7.7	9.000	10.2
0.600	4.0	2.200	5.2	5.500	8.0	9.500	10.4
0.800	3.4	2.400	5.4	6.000	8.4		
1.000	3.6	2.600	5.6	6.500	8.7		

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Storage Structures for Storm

Tank or Pond Manhole: S8, DS/PN: S1.007

Invert Level (m) 20.240

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	2.500	1500.0

Tank or Pond Manhole: S12, DS/PN: S1.011

Invert Level (m) 18.500

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	100.0	1.800	500.0



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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 2  
Number of Online Controls 2 Number of Time/Area Diagrams 0  
Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
FEH Rainfall Version 2013  
Site Location GB 640286 267538 TM 40286 67538  
Data Type Point  
Cv (Summer) 0.750  
Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
Analysis Timestep 2.5 Second Increment (Extended)  
DTS Status OFF  
DVD Status ON  
Inertia Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
720, 960, 1440, 2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1	30 Winter	2	+0%	100/15 Summer				26.720
S1.001	S2	15 Winter	2	+0%					25.940
S1.002	S3	15 Winter	2	+0%					24.243
S2.000	S4	30 Winter	2	+0%	100/15 Summer	100/15 Winter			26.716
S2.001	S5	15 Winter	2	+0%	30/15 Summer				26.024
S2.002	S6	15 Winter	2	+0%					24.241
S2.003	S7	15 Winter	2	+0%	30/15 Summer				23.094
S1.003	S4	15 Winter	2	+0%	30/15 Summer				23.041
S1.004	S5	15 Winter	2	+0%	30/15 Summer				22.993
S1.005	S6	15 Winter	2	+0%					22.853
S1.006	S7	15 Winter	2	+0%					22.278
S3.000	S13	15 Winter	2	+0%					21.094
S3.001	S14	15 Winter	2	+0%	100/15 Summer				20.819
S3.002	S15	15 Winter	2	+0%	100/15 Summer				20.653

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for Storm

PN	US/MH Name	Surcharged		Flooded		Pipe		Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)	Flow (l/s)	Status	
S1.000	S1	-0.083	0.000	0.42		6.2	OK	
S1.001	S2	-0.163	0.000	0.17		11.2	OK	
S1.002	S3	-0.159	0.000	0.19		14.4	OK	
S2.000	S4	-0.086	0.000	0.37		5.5	OK	2
S2.001	S5	-0.078	0.000	0.45		10.5	OK	
S2.002	S6	-0.161	0.000	0.18		13.7	OK	
S2.003	S7	-0.108	0.000	0.53		13.7	OK	
S1.003	S4	-0.119	0.000	0.63		27.9	OK	
S1.004	S5	-0.123	0.000	0.65		27.8	OK	
S1.005	S6	-0.222	0.000	0.15		27.8	OK	
S1.006	S7	-0.259	0.000	0.21		35.3	OK	
S3.000	S13	-0.191	0.000	0.05		2.1	OK	
S3.001	S14	-0.156	0.000	0.20		7.8	OK	
S3.002	S15	-0.142	0.000	0.29		11.4	OK	





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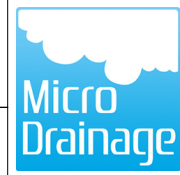
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Network 2019.1

2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for Storm

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
S3.003	S16	15 Winter	2	+0%	30/360 Winter			
S1.007	S8	600 Winter	2	+0%	100/120 Winter			
S4.000	S13	30 Winter	2	+0%	100/15 Winter			
S4.001	S14	15 Winter	2	+0%	30/15 Summer			
S4.002	S15	15 Winter	2	+0%	100/15 Summer			
S4.003	S16	15 Winter	2	+0%	30/15 Summer			
S1.008	S9	15 Winter	2	+0%				
S1.009	S10	15 Winter	2	+0%				
S5.000	S23	15 Winter	2	+0%	2/15 Summer	30/15 Summer		
S5.001	S24	15 Winter	2	+0%	2/15 Summer			
S5.002	S24	15 Winter	2	+0%	2/15 Summer			
S5.003	S25	15 Winter	2	+0%	30/15 Summer			
S6.000	S26	30 Winter	2	+0%	100/15 Summer			
S5.004	S26	15 Winter	2	+0%	30/15 Summer			
S5.005	S27	15 Winter	2	+0%	30/120 Winter			
S1.010	S11	15 Winter	2	+0%	30/240 Winter			
S7.000	S30	30 Winter	2	+0%	30/15 Summer	100/15 Winter		
S1.011	S12	360 Winter	2	+0%	5/120 Winter			
S1.012	S32	360 Winter	2	+0%	2/120 Winter			

PN	US/MH Name	Water			Surcharged		Flooded		Pipe		Status	Level Exceeded
		Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Flow (l/s)					
S3.003	S16	20.429	-0.136	0.000	0.33			12.1		OK		
S1.007	S8	20.411	-0.279	0.000	0.01			2.1		OK		
S4.000	S13	22.349	-0.111	0.000	0.16			3.4		OK		
S4.001	S14	21.652	-0.068	0.000	0.57			5.8		OK		
S4.002	S15	21.612	-0.088	0.000	0.34			7.4		OK		
S4.003	S16	20.604	-0.076	0.000	0.48			7.3		OK		
S1.008	S9	20.210	-0.390	0.000	0.04			10.4		OK		
S1.009	S10	19.862	-0.388	0.000	0.04			19.2		OK		
S5.000	S23	20.892	0.392	0.000	1.26			6.1	SURCHARGED		19	
S5.001	S24	20.196	0.176	0.000	1.08			5.1	SURCHARGED			
S5.002	S24	19.989	0.159	0.000	1.30			6.3	SURCHARGED			
S5.003	S25	19.588	-0.062	0.000	0.64			8.1		OK		
S6.000	S26	21.280	-0.060	0.000	0.34			1.9		OK		
S5.004	S26	19.516	-0.109	0.000	0.51			21.0		OK		
S5.005	S27	19.143	-0.122	0.000	0.43			21.0		OK		
S1.010	S11	19.025	-0.400	0.000	0.13			45.5		OK		
S7.000	S30	19.207	-0.073	0.000	0.52			6.8		OK	5	
S1.011	S12	19.001	-0.024	0.000	0.02			4.8		OK		
S1.012	S32	18.997	0.072	0.000	0.01			4.1	SURCHARGED			



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 2  
Number of Online Controls 2 Number of Time/Area Diagrams 0  
Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
FEH Rainfall Version 2013  
Site Location GB 640286 267538 TM 40286 67538  
Data Type Point  
Cv (Summer) 0.750  
Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
Analysis Timestep 2.5 Second Increment (Extended)  
DTS Status OFF  
DVD Status ON  
Inertia Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
720, 960, 1440, 2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1	30 Winter	5	+0%	100/15 Summer				26.733
S1.001	S2	15 Winter	5	+0%					25.951
S1.002	S3	15 Winter	5	+0%					24.254
S2.000	S4	30 Winter	5	+0%	100/15 Summer	100/15 Winter			26.728
S2.001	S5	15 Winter	5	+0%	30/15 Summer				26.038
S2.002	S6	15 Winter	5	+0%					24.252
S2.003	S7	15 Winter	5	+0%	30/15 Summer				23.121
S1.003	S4	15 Winter	5	+0%	30/15 Summer				23.083
S1.004	S5	15 Winter	5	+0%	30/15 Summer				23.034
S1.005	S6	15 Winter	5	+0%					22.867
S1.006	S7	15 Winter	5	+0%					22.298
S3.000	S13	15 Winter	5	+0%					21.100
S3.001	S14	15 Winter	5	+0%	100/15 Summer				20.830
S3.002	S15	15 Winter	5	+0%	100/15 Summer				20.669

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for Storm

PN	US/MH Name	Surcharged		Flooded		Pipe		Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)	Flow (l/s)	Status	
S1.000	S1	-0.069	0.000	0.57		8.4	OK	
S1.001	S2	-0.152	0.000	0.23		15.2	OK	
S1.002	S3	-0.148	0.000	0.25		19.5	OK	
S2.000	S4	-0.074	0.000	0.50		7.4	OK	2
S2.001	S5	-0.064	0.000	0.61		14.2	OK	
S2.002	S6	-0.150	0.000	0.24		18.5	OK	
S2.003	S7	-0.081	0.000	0.71		18.5	OK	
S1.003	S4	-0.077	0.000	0.85		37.5	OK	
S1.004	S5	-0.082	0.000	0.87		37.4	OK	
S1.005	S6	-0.208	0.000	0.20		37.4	OK	
S1.006	S7	-0.239	0.000	0.28		47.6	OK	
S3.000	S13	-0.185	0.000	0.07		2.9	OK	
S3.001	S14	-0.145	0.000	0.27		10.5	OK	
S3.002	S15	-0.126	0.000	0.39		15.4	OK	



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
S3.003	S16 480	Winter	5	+0%	30/360	Winter		
S1.007	S8 480	Winter	5	+0%	100/120	Winter		
S4.000	S13 30	Winter	5	+0%	100/15	Winter		
S4.001	S14 15	Winter	5	+0%	30/15	Summer		
S4.002	S15 15	Winter	5	+0%	100/15	Summer		
S4.003	S16 15	Winter	5	+0%	30/15	Summer		
S1.008	S9 15	Winter	5	+0%				
S1.009	S10 15	Winter	5	+0%				
S5.000	S23 15	Winter	5	+0%	2/15	Summer	30/15	Summer
S5.001	S24 15	Winter	5	+0%	2/15	Summer		
S5.002	S24 15	Winter	5	+0%	2/15	Summer		
S5.003	S25 15	Winter	5	+0%	30/15	Summer		
S6.000	S26 30	Winter	5	+0%	100/15	Summer		
S5.004	S26 15	Winter	5	+0%	30/15	Summer		
S5.005	S27 15	Winter	5	+0%	30/120	Winter		
S1.010	S11 360	Winter	5	+0%	30/240	Winter		
S7.000	S30 30	Winter	5	+0%	30/15	Summer	100/15	Winter
S1.011	S12 360	Winter	5	+0%	5/120	Winter		
S1.012	S32 480	Winter	5	+0%	2/120	Winter		

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Pipe Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S3.003	S16	20.456	-0.109	0.000	0.07		2.6	OK	
S1.007	S8	20.456	-0.234	0.000	0.01		2.1	OK	
S4.000	S13	22.357	-0.103	0.000	0.21		4.6	OK	
S4.001	S14	21.670	-0.050	0.000	0.77		7.9	OK	
S4.002	S15	21.623	-0.077	0.000	0.46		9.9	OK	
S4.003	S16	20.619	-0.061	0.000	0.65		9.9	OK	
S1.008	S9	20.220	-0.380	0.000	0.06		14.1	OK	
S1.009	S10	19.872	-0.378	0.000	0.06		26.0	OK	
S5.000	S23	21.255	0.755	0.000	1.46		7.1	FLOOD RISK	19
S5.001	S24	20.364	0.344	0.000	1.17		5.5	SURCHARGED	
S5.002	S24	20.112	0.282	0.000	1.50		7.2	SURCHARGED	
S5.003	S25	19.598	-0.052	0.000	0.74		9.4	OK	
S6.000	S26	21.287	-0.053	0.000	0.46		2.6	OK	
S5.004	S26	19.536	-0.089	0.000	0.66		27.1	OK	
S5.005	S27	19.160	-0.105	0.000	0.55		27.2	OK	
S1.010	S11	19.141	-0.284	0.000	0.05		17.4	OK	
S7.000	S30	19.224	-0.056	0.000	0.70		9.2	OK	5
S1.011	S12	19.140	0.115	0.000	0.02		4.9	SURCHARGED	
S1.012	S32	19.156	0.231	0.000	0.01		4.1	SURCHARGED	



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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 2  
Number of Online Controls 2 Number of Time/Area Diagrams 0  
Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
FEH Rainfall Version 2013  
Site Location GB 640286 267538 TM 40286 67538  
Data Type Point  
Cv (Summer) 0.750  
Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
Analysis Timestep 2.5 Second Increment (Extended)  
DTS Status OFF  
DVD Status ON  
Inertia Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
720, 960, 1440, 2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1	30 Winter	30	+0%	100/15 Summer				26.767
S1.001	S2	15 Winter	30	+0%					25.981
S1.002	S3	15 Winter	30	+0%					24.289
S2.000	S4	30 Winter	30	+0%	100/15 Summer	100/15 Winter			26.760
S2.001	S5	15 Winter	30	+0%	30/15 Summer				26.166
S2.002	S6	15 Winter	30	+0%					24.280
S2.003	S7	15 Winter	30	+0%	30/15 Summer				23.296
S1.003	S4	15 Winter	30	+0%	30/15 Summer				23.231
S1.004	S5	15 Winter	30	+0%	30/15 Summer				23.144
S1.005	S6	15 Winter	30	+0%					22.902
S1.006	S7	15 Winter	30	+0%					22.357
S3.000	S13	15 Winter	30	+0%					21.112
S3.001	S14	15 Winter	30	+0%	100/15 Summer				20.867
S3.002	S15	15 Winter	30	+0%	100/15 Summer				20.722

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
S1.000	S1	-0.035	0.000	0.95		14.0	OK	
S1.001	S2	-0.121	0.000	0.41		27.6	OK	
S1.002	S3	-0.114	0.000	0.48		37.1	OK	
S2.000	S4	-0.043	0.000	0.84		12.4	OK	2
S2.001	S5	0.064	0.000	1.01		23.4	SURCHARGED	
S2.002	S6	-0.122	0.000	0.42		32.3	OK	
S2.003	S7	0.094	0.000	1.22		31.6	SURCHARGED	
S1.003	S4	0.072	0.000	1.53		67.7	SURCHARGED	
S1.004	S5	0.027	0.000	1.57		67.2	SURCHARGED	
S1.005	S6	-0.174	0.000	0.37		66.8	OK	
S1.006	S7	-0.180	0.000	0.51		86.7	OK	
S3.000	S13	-0.173	0.000	0.12		4.8	OK	
S3.001	S14	-0.108	0.000	0.51		20.0	OK	
S3.002	S15	-0.073	0.000	0.77		30.3	OK	



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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
S3.003	S16	720 Winter	30	+0%	30/360 Winter			
S1.007	S8	720 Winter	30	+0%	100/120 Winter			
S4.000	S13	30 Winter	30	+0%	100/15 Winter			
S4.001	S14	15 Winter	30	+0%	30/15 Summer			
S4.002	S15	15 Winter	30	+0%	100/15 Summer			
S4.003	S16	15 Winter	30	+0%	30/15 Summer			
S1.008	S9	15 Winter	30	+0%				
S1.009	S10	15 Winter	30	+0%				
S5.000	S23	15 Winter	30	+0%	2/15 Summer	30/15 Summer		
S5.001	S24	30 Winter	30	+0%	2/15 Summer			
S5.002	S24	30 Winter	30	+0%	2/15 Summer			
S5.003	S25	15 Winter	30	+0%	30/15 Summer			
S6.000	S26	30 Winter	30	+0%	100/15 Summer			
S5.004	S26	15 Winter	30	+0%	30/15 Summer			
S5.005	S27	720 Winter	30	+0%	30/120 Winter			
S1.010	S11	720 Winter	30	+0%	30/240 Winter			
S7.000	S30	30 Winter	30	+0%	30/15 Summer	100/15 Winter		
S1.011	S12	720 Winter	30	+0%	5/120 Winter			
S1.012	S32	720 Winter	30	+0%	2/120 Winter			

PN	US/MH Name	Water			Surcharged		Flooded		Pipe		Level Exceeded
		Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Flow (l/s)	Status			
S3.003	S16	20.597	0.032	0.000	0.08		2.9	SURCHARGED			
S1.007	S8	20.597	-0.093	0.000	0.01		2.2	OK			
S4.000	S13	22.372	-0.088	0.000	0.35		7.6	OK			
S4.001	S14	21.749	0.029	0.000	1.39		14.3	SURCHARGED			
S4.002	S15	21.662	-0.038	0.000	0.85		18.2	OK			
S4.003	S16	20.702	0.022	0.000	1.20		18.3	SURCHARGED			
S1.008	S9	20.249	-0.351	0.000	0.11		25.6	OK			
S1.009	S10	19.904	-0.346	0.000	0.12		50.4	OK			
S5.000	S23	21.502	1.002	2.492	1.58		7.7	FLOOD		19	
S5.001	S24	20.755	0.735	0.000	1.45		6.8	SURCHARGED			
S5.002	S24	20.432	0.602	0.000	1.89		9.1	SURCHARGED			
S5.003	S25	19.830	0.180	0.000	1.11		14.1	SURCHARGED			
S6.000	S26	21.306	-0.034	0.000	0.76		4.4	OK			
S5.004	S26	19.741	0.116	0.000	1.11		45.9	SURCHARGED			
S5.005	S27	19.509	0.244	0.000	0.15		7.2	SURCHARGED			
S1.010	S11	19.508	0.083	0.000	0.05		16.2	SURCHARGED			
S7.000	S30	19.527	0.247	0.000	1.06		13.9	SURCHARGED		5	
S1.011	S12	19.507	0.482	0.000	0.02		4.8	SURCHARGED			
S1.012	S32	19.523	0.598	0.000	0.01		4.1	SURCHARGED			





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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 2  
Number of Online Controls 2 Number of Time/Area Diagrams 0  
Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
FEH Rainfall Version 2013  
Site Location GB 640286 267538 TM 40286 67538  
Data Type Point  
Cv (Summer) 0.750  
Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
Analysis Timestep 2.5 Second Increment (Extended)  
DTS Status OFF  
DVD Status ON  
Inertia Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
720, 960, 1440, 2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
S1.000	S1	30 Winter	100	+40%	100/15 Summer			
S1.001	S2	15 Winter	100	+40%				
S1.002	S3	15 Winter	100	+40%				
S2.000	S4	30 Winter	100	+40%	100/15 Summer	100/15 Winter		
S2.001	S5	15 Winter	100	+40%	30/15 Summer			
S2.002	S6	15 Winter	100	+40%				
S2.003	S7	15 Winter	100	+40%	30/15 Summer			
S1.003	S4	15 Winter	100	+40%	30/15 Summer			
S1.004	S5	15 Winter	100	+40%	30/15 Summer			
S1.005	S6	15 Winter	100	+40%				
S1.006	S7	15 Winter	100	+40%				
S3.000	S13	15 Winter	100	+40%				
S3.001	S14	15 Winter	100	+40%	100/15 Summer			
S3.002	S15	1440 Winter	100	+40%	100/15 Summer			

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Water		Flooded		Pipe		Level Exceeded
		Level (m)	Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap. (l/s)	Flow (l/s)	Status	
S1.000	S1	27.776	0.974	0.000	1.53	22.5	FLOOD RISK	
S1.001	S2	26.023	-0.079	0.000	0.70	47.3	OK	
S1.002	S3	24.338	-0.064	0.000	0.83	64.9	OK	
S2.000	S4	28.001	1.199	1.146	1.40	20.6	FLOOD	2
S2.001	S5	27.204	1.101	0.000	1.25	29.1	FLOOD RISK	
S2.002	S6	24.300	-0.102	0.000	0.56	43.2	OK	
S2.003	S7	23.579	0.377	0.000	1.64	42.3	SURCHARGED	
S1.003	S4	23.465	0.305	0.000	2.36	104.3	SURCHARGED	
S1.004	S5	23.257	0.140	0.000	2.42	103.8	SURCHARGED	
S1.005	S6	22.938	-0.138	0.000	0.56	103.1	OK	
S1.006	S7	22.432	-0.105	0.000	0.83	141.0	OK	
S3.000	S13	21.131	-0.154	0.000	0.21	8.6	OK	
S3.001	S14	21.049	0.074	0.000	0.78	30.4	SURCHARGED	
S3.002	S15	20.999	0.204	0.000	0.08	3.2	SURCHARGED	



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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
S3.003	S16	1440 Winter	100	+40%	30/360 Winter			
S1.007	S8	1440 Winter	100	+40%	100/120 Winter			
S4.000	S13	15 Winter	100	+40%	100/15 Winter			
S4.001	S14	15 Winter	100	+40%	30/15 Summer			
S4.002	S15	15 Winter	100	+40%	100/15 Summer			
S4.003	S16	15 Winter	100	+40%	30/15 Summer			
S1.008	S9	15 Winter	100	+40%				
S1.009	S10	960 Winter	100	+40%				
S5.000	S23	30 Winter	100	+40%	2/15 Summer	30/15 Summer		
S5.001	S24	30 Winter	100	+40%	2/15 Summer			
S5.002	S24	30 Winter	100	+40%	2/15 Summer			
S5.003	S25	15 Winter	100	+40%	30/15 Summer			
S6.000	S26	30 Winter	100	+40%	100/15 Summer			
S5.004	S26	15 Winter	100	+40%	30/15 Summer			
S5.005	S27	960 Winter	100	+40%	30/120 Winter			
S1.010	S11	960 Winter	100	+40%	30/240 Winter			
S7.000	S30	30 Winter	100	+40%	30/15 Summer	100/15 Winter		
S1.011	S12	960 Winter	100	+40%	5/120 Winter			
S1.012	S32	960 Winter	100	+40%	2/120 Winter			

PN	US/MH Name	Water			Flooded		Pipe		Status	Level Exceeded
		Level (m)	Surcharged Depth (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Flow (l/s)		
S3.003	S16	20.998		0.433	0.000	0.09		3.3	SURCHARGED	
S1.007	S8	20.998		0.308	0.000	0.01		2.2	SURCHARGED	
S4.000	S13	22.493		0.033	0.000	0.68		14.6	SURCHARGED	
S4.001	S14	22.277		0.557	0.000	1.98		20.4	SURCHARGED	
S4.002	S15	22.175		0.475	0.000	1.16		25.0	SURCHARGED	
S4.003	S16	20.774		0.094	0.000	1.64		25.0	SURCHARGED	
S1.008	S9	20.271		-0.329	0.000	0.16		38.4	OK	
S1.009	S10	20.201		-0.049	0.000	0.03		11.4	OK	
S5.000	S23	21.513		1.013	13.444	1.55		7.5	FLOOD	19
S5.001	S24	21.247		1.227	0.000	1.50		7.0	SURCHARGED	
S5.002	S24	21.113		1.283	0.000	2.35		11.3	SURCHARGED	
S5.003	S25	20.673		1.023	0.000	1.51		19.2	SURCHARGED	
S6.000	S26	21.496		0.156	0.000	1.35		7.7	SURCHARGED	
S5.004	S26	20.557		0.932	0.000	1.72		70.7	SURCHARGED	
S5.005	S27	20.202		0.937	0.000	0.22		11.0	SURCHARGED	
S1.010	S11	20.200		0.775	0.000	0.07		24.1	SURCHARGED	
S7.000	S30	20.482		1.202	1.762	1.62		21.4	FLOOD	5
S1.011	S12	20.198		1.173	0.000	0.02		5.3	FLOOD RISK	
S1.012	S32	20.213		1.288	0.000	0.01		4.7	SURCHARGED	

Sizewell Link Road

DCO Design Review

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Time Area Diagram for SLR-AB-13

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)		
0-4	0.164	8-12	0.984	16-20	0.604	24-28	1.464	32-36	0.025	40-44	1.261	48-52	0.083
4-8	1.109	12-16	0.913	20-24	0.966	28-32	0.579	36-40	0.465	44-48	0.555		

Total Area Contributing (ha) = 9.172

Total Pipe Volume (m<sup>3</sup>) = 1588.699

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Existing Network Details for SLR-AB-13

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type
S4.000	99.086	0.676	146.6	0.205	5.00	0.0	0.600		o	375	Pipe/Conduit
S4.001	99.884	1.500	66.6	0.181	0.00	0.0	0.600		o	375	Pipe/Conduit
S4.002	99.983	0.400	250.0	0.115	0.00	0.0	0.600		o	375	Pipe/Conduit
S4.003	95.501	0.600	159.2	0.123	0.00	0.0	0.600		o	375	Pipe/Conduit
S4.004	18.388	0.800	23.0	0.021	0.00	0.0	0.600		o	375	Pipe/Conduit
S4.005	8.274	0.210	39.4	0.000	0.00	0.0	0.600		o	375	Pipe/Conduit
S4.006	25.310	0.290	87.3	0.000	0.00	0.0	0.600		o	375	Pipe/Conduit
S4.007	84.488	0.211	400.9	0.137	0.00	0.0	0.600		o	375	Pipe/Conduit
S4.008	99.998	5.080	19.7	0.124	0.00	0.0	0.600		o	375	Pipe/Conduit
S4.009	96.363	0.271	355.6	0.129	0.00	0.0	0.600		o	450	Pipe/Conduit
S4.010	52.272	0.116	452.5	0.083	0.00	0.0	0.600		o	450	Pipe/Conduit
S4.011	15.362	0.267	57.5	0.013	0.00	0.0	0.600		o	450	Pipe/Conduit
S4.012	15.084	0.034	443.5	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit
S4.013	15.388	0.035	443.4	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit
S4.014	23.034	0.059	392.8	0.062	0.00	0.0	0.600		o	450	Pipe/Conduit
S4.015	3.519	0.323	10.9	0.001	0.00	0.0	0.600		o	450	Pipe/Conduit
S4.016	94.021	0.188	500.0	0.076	0.00	0.0	0.600		o	525	Pipe/Conduit
S4.017	99.395	0.197	503.8	0.083	0.00	0.0	0.600		o	525	Pipe/Conduit
S4.018	99.563	8.735	11.4	0.075	0.00	0.0	0.600		o	525	Pipe/Conduit
S4.019	84.415	2.220	38.0	0.055	0.00	0.0	0.600		o	525	Pipe/Conduit
S4.020	3.361	0.270	12.4	0.003	0.00	0.0	0.600		o	525	Pipe/Conduit
S5.000	19.972	0.341	58.6	0.014	5.00	0.0		0.100	5 \	200	1:5 V Swale
S5.001	66.031	0.914	72.2	0.042	0.00	0.0		0.100	5 \	200	1:5 V Swale
S5.002	78.157	0.465	168.1	0.046	0.00	0.0		0.100	5 \	200	1:5 V Swale
S5.003	99.835	0.685	145.7	0.055	0.00	0.0		0.100	5 \	200	1:5 V Swale
S5.004	95.061	8.574	11.1	0.048	0.00	0.0		0.100	5 \	200	1:5 V Swale
S5.005	4.745	0.949	5.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit

Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S4.000	35.751	0.205	0.0	1.49	165.1
S4.001	35.075	0.386	0.0	2.22	245.6
S4.002	33.575	0.501	0.0	1.14	126.1
S4.003	33.175	0.624	0.0	1.43	158.3
S4.004	32.575	0.644	0.0	3.79	419.0
S4.005	31.775	0.644	0.0	2.89	319.7
S4.006	31.565	0.644	0.0	1.94	214.3
S4.007	31.275	0.781	0.0	0.90	99.3
S4.008	31.064	0.905	0.0	4.10	452.9
S4.009	25.984	1.034	0.0	1.07	170.5
S4.010	25.713	1.117	0.0	0.95	151.0
S4.011	25.597	1.130	0.0	2.68	427.0
S4.012	25.330	1.130	0.0	0.96	152.5
S4.013	25.296	1.130	0.0	0.96	152.5
S4.014	25.261	1.191	0.0	1.02	162.2
S4.015	25.203	1.193	0.0	6.18	983.3
S4.016	24.805	1.269	0.0	0.99	215.4
S4.017	24.617	1.352	0.0	0.99	214.5
S4.018	24.420	1.427	0.0	6.66	1441.8
S4.019	15.685	1.483	0.0	3.64	788.1
S4.020	13.465	1.486	0.0	6.37	1379.6
S5.000	25.423	0.014	0.0	0.28	55.6
S5.001	25.082	0.056	0.0	0.25	50.0
S5.002	24.168	0.102	0.0	0.16	32.8
S5.003	23.703	0.157	0.0	0.18	35.2
S5.004	23.018	0.206	0.0	0.64	127.7
S5.005	14.444	0.206	0.0	5.89	234.3

Sizewell Link Road  
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Network 2019.1

Existing Network Details for SLR-AB-13

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k	n	HYD SECT	DIA (mm)	Section Type
S4.021	3.710	1.693	2.2	0.000	0.00	0.0	0.600		o	525	Pipe/Conduit
S4.022	62.563	0.997	62.8	0.103	0.00	0.0	0.600		o	525	Pipe/Conduit
S4.023	13.747	1.030	13.3	0.091	0.00	0.0	0.600		o	525	Pipe/Conduit
S4.024	30.539	0.147	207.7	0.000	0.00	0.0	0.600		o	900	Pipe/Conduit
S4.025	42.272	0.008	5284.1	0.000	0.00	0.0	0.600		o	900	Pipe/Conduit
S4.026	52.867	0.092	574.6	0.000	0.00	0.0	0.600		o	1200	Pipe/Conduit
S4.027	49.321	0.099	498.2	0.055	0.00	0.0	0.600		o	1200	Pipe/Conduit
S6.000	98.864	0.599	165.0	0.185	5.00	0.0	0.600		o	300	Pipe/Conduit
S6.001	54.945	0.222	247.0	0.080	0.00	0.0	0.600		o	300	Pipe/Conduit
S6.002	38.171	0.158	241.6	0.034	0.00	0.0	0.600		o	300	Pipe/Conduit
S6.003	6.888	0.029	241.6	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit
S6.004	37.964	0.156	243.5	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit
S6.005	99.522	0.393	253.3	0.241	0.00	0.0	0.600		o	375	Pipe/Conduit
S6.006	99.739	0.257	388.8	0.162	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.007	98.613	0.298	331.0	0.049	0.00	0.0	0.600		o	450	Pipe/Conduit
S7.000	100.062	0.411	243.5	0.202	5.00	0.0	0.600		o	375	Pipe/Conduit
S7.001	99.932	0.313	319.3	0.183	0.00	0.0	0.600		o	375	Pipe/Conduit
S7.002	54.427	0.195	279.1	0.090	0.00	0.0	0.600		o	375	Pipe/Conduit
S7.003	20.115	0.050	401.4	0.049	0.00	0.0	0.600		o	450	Pipe/Conduit
S7.004	21.464	0.053	401.4	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit
S7.005	25.508	0.042	613.2	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit
S7.006	99.117	0.352	281.5	0.172	0.00	0.0	0.600		o	450	Pipe/Conduit
S7.007	98.339	0.525	187.3	0.114	0.00	0.0	0.600		o	450	Pipe/Conduit
S7.008	20.331	0.073	278.5	0.083	0.00	0.0	0.600		o	600	Pipe/Conduit

Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S4.021	13.195	1.691	0.0	15.21	3292.2
S4.022	11.502	1.794	0.0	2.83	612.9
S4.023	10.505	1.885	0.0	6.15	1332.2
S4.024	9.475	1.885	0.0	2.17	1380.6
S4.025	9.328	1.885	0.0	0.42	267.8
S4.026	9.320	1.885	0.0	1.55	1756.9
S4.027	9.228	1.940	0.0	1.67	1887.9
S6.000	40.200	0.185	0.0	1.22	86.3
S6.001	39.601	0.264	0.0	1.00	70.4
S6.002	39.378	0.298	0.0	1.01	71.2
S6.003	39.220	0.298	0.0	1.01	71.2
S6.004	39.192	0.298	0.0	1.00	70.9
S6.005	38.961	0.538	0.0	1.13	125.2
S6.006	38.493	0.700	0.0	1.02	163.0
S6.007	38.236	0.749	0.0	1.11	176.8
S7.000	40.000	0.202	0.0	1.16	127.8
S7.001	39.589	0.384	0.0	1.01	111.4
S7.002	39.276	0.475	0.0	1.08	119.2
S7.003	39.006	0.524	0.0	1.01	160.4
S7.004	38.956	0.524	0.0	1.01	160.4
S7.005	38.902	0.524	0.0	0.81	129.4
S7.006	38.861	0.696	0.0	1.21	191.9
S7.007	38.509	0.810	0.0	1.48	235.7
S7.008	37.567	0.893	0.0	1.45	411.2

Sizewell Link Road  
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Date 30/09/2021

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Network 2019.1

Existing Network Details for SLR-AB-13

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type
S6.008	57.036	0.222	256.9	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit
S8.000	30.015	0.178	168.6	0.118	5.00	0.0	0.600		o	375	Pipe/Conduit
S8.001	51.411	0.306	168.2	0.089	0.00	0.0	0.600		o	375	Pipe/Conduit
S8.002	35.572	0.212	168.0	0.029	0.00	0.0	0.600		o	375	Pipe/Conduit
S8.003	87.293	0.520	168.0	0.074	0.00	0.0	0.600		o	375	Pipe/Conduit
S8.004	11.475	0.068	168.7	0.000	0.00	0.0	0.600		o	375	Pipe/Conduit
S9.000	37.994	0.050	759.9	0.032	5.00	0.0	0.600		o	375	Pipe/Conduit
S9.001	25.181	0.400	63.0	0.080	5.00	0.0	0.600		o	375	Pipe/Conduit
S9.002	19.927	0.201	99.0	0.091	0.00	0.0	0.600		o	375	Pipe/Conduit
S9.003	18.669	0.037	500.0	0.041	0.00	0.0	0.600		o	675	Pipe/Conduit
S9.004	17.657	0.044	400.0	0.033	0.00	0.0	0.600		o	675	Pipe/Conduit
S9.005	52.564	0.105	500.6	0.070	0.00	0.0	0.600		o	675	Pipe/Conduit
S9.006	90.215	0.180	500.0	0.065	0.00	0.0	0.600		o	675	Pipe/Conduit
S9.007	14.134	0.101	140.0	0.000	0.00	0.0	0.600		o	675	Pipe/Conduit
S8.005	10.603	0.021	500.0	0.000	0.00	0.0	0.600		o	675	Pipe/Conduit
S8.006	41.430	0.083	499.2	0.000	0.00	0.0	0.600		o	1200	Pipe/Conduit
S8.007	57.210	0.074	773.1	0.000	0.00	0.0	0.600		o	1200	Pipe/Conduit
S6.009	37.159	0.129	288.1	0.000	0.00	0.0	0.600		o	1200	Pipe/Conduit
S6.010	13.735	0.050	274.7	0.000	0.00	0.0	0.600		o	1200	Pipe/Conduit
S6.011	470.278	-3.670	-128.1	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit
S6.012	99.862	0.512	195.1	0.123	5.00	0.0	0.600		o	450	Pipe/Conduit
S6.013	98.924	1.198	82.6	0.133	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.014	98.664	0.460	214.5	0.134	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.015	99.819	0.840	118.8	0.145	0.00	0.0	0.600		o	525	Pipe/Conduit

Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S6.008	37.939	1.642	0.0	1.26	201.0
S8.000	39.100	0.118	0.0	1.39	153.8
S8.001	38.922	0.207	0.0	1.39	154.0
S8.002	38.616	0.236	0.0	1.40	154.1
S8.003	38.405	0.310	0.0	1.40	154.1
S8.004	37.905	0.310	0.0	1.39	153.7
S9.000	39.100	0.032	0.0	0.65	71.7
S9.001	39.050	0.111	0.0	2.29	252.6
S9.002	38.650	0.202	0.0	1.82	201.1
S9.003	37.401	0.243	0.0	1.17	417.0
S9.004	37.363	0.276	0.0	1.30	466.7
S9.005	37.319	0.347	0.0	1.16	416.7
S9.006	37.214	0.412	0.0	1.17	417.0
S9.007	37.034	0.412	0.0	2.21	792.0
S8.005	36.933	0.722	0.0	1.17	417.0
S8.006	36.386	0.722	0.0	1.67	1886.1
S8.007	36.303	0.722	0.0	1.34	1512.7
S6.009	36.229	2.364	0.0	2.20	2487.3
S6.010	36.100	2.364	0.0	2.25	2547.5
S6.011	36.050	2.364	0.0	0.00	0.0
S6.012	39.720	2.487	0.0	1.45	230.9
S6.013	39.208	2.620	0.0	2.24	356.1
S6.014	38.010	2.754	0.0	1.38	220.2
S6.015	37.550	2.900	0.0	2.05	444.6



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Existing Network Details for SLR-AB-13

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k	n	HYD SECT	DIA (mm)	Section Type
S6.016	97.140	0.252	385.5	0.135	0.00	0.0	0.600		o	525	Pipe/Conduit
S6.017	62.509	0.127	491.3	0.114	0.00	0.0	0.600		o	525	Pipe/Conduit
S6.018	62.509	0.127	491.3	0.136	0.00	0.0	0.600		o	525	Pipe/Conduit
S10.000	74.497	1.200	62.1	0.090	5.00	0.0	0.600		o	525	Pipe/Conduit
S10.001	79.575	0.100	795.7	0.094	5.00	0.0	0.600		o	525	Pipe/Conduit
S10.002	80.568	0.300	268.6	0.103	0.00	0.0	0.600		o	525	Pipe/Conduit
S10.003	52.894	0.200	264.5	0.071	0.00	0.0	0.600		o	525	Pipe/Conduit
S6.019	29.770	0.200	148.9	0.000	0.00	0.0	0.600		o	600	Pipe/Conduit
S11.000	48.400	0.580	83.4	0.061	5.00	0.0	0.600		o	450	Pipe/Conduit
S11.001	51.951	0.225	230.9	0.065	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.002	50.158	0.440	114.0	0.043	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.003	49.476	0.340	145.5	0.067	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.004	47.053	0.146	321.4	0.108	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.005	52.039	0.162	321.4	0.141	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.006	14.346	0.045	321.4	0.034	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.007	31.450	0.100	315.0	0.072	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.008	47.736	0.119	401.4	0.102	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.009	51.892	0.129	401.4	0.105	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.010	33.042	0.082	401.4	0.062	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.011	52.001	0.146	355.6	0.094	0.00	0.0	0.600		o	450	Pipe/Conduit
S11.012	49.928	0.102	491.3	0.080	0.00	0.0	0.600		o	525	Pipe/Conduit
S11.013	18.905	0.038	491.3	0.036	0.00	0.0	0.600		o	525	Pipe/Conduit
S12.000	34.200	0.060	570.0	0.012	5.00	0.0	0.600		o	450	Pipe/Conduit
S12.001	95.090	0.040	2377.2	0.169	5.00	0.0	0.600		o	450	Pipe/Conduit

Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S6.016	36.710	3.034	0.0	1.13	245.6
S6.017	36.383	3.148	0.0	1.00	217.3
S6.018	36.255	3.284	0.0	1.00	217.3
S10.000	37.300	0.090	0.0	2.85	616.2
S10.001	36.100	0.184	0.0	0.79	170.2
S10.002	36.000	0.287	0.0	1.36	294.8
S10.003	35.700	0.358	0.0	1.37	297.1
S6.019	35.500	3.642	0.0	1.99	563.7
S11.000	39.110	0.061	0.0	2.23	354.2
S11.001	38.530	0.126	0.0	1.33	212.1
S11.002	38.305	0.169	0.0	1.90	302.7
S11.003	37.865	0.237	0.0	1.68	267.7
S11.004	37.525	0.345	0.0	1.13	179.5
S11.005	37.379	0.485	0.0	1.13	179.5
S11.006	37.217	0.519	0.0	1.13	179.5
S11.007	37.172	0.591	0.0	1.14	181.3
S11.008	37.072	0.693	0.0	1.01	160.4
S11.009	36.953	0.799	0.0	1.01	160.4
S11.010	36.824	0.861	0.0	1.01	160.4
S11.011	36.742	0.955	0.0	1.07	170.5
S11.012	36.520	1.035	0.0	1.00	217.3
S11.013	36.419	1.071	0.0	1.00	217.3
S12.000	37.900	0.012	0.0	0.84	134.3
S12.001	37.840	0.181	0.0	0.41	64.8

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Existing Network Details for SLR-AB-13

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type
S12.002	6.164	0.284	21.7	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit
S12.003	94.186	0.180	523.3	0.105	5.00	0.0	0.600		o	450	Pipe/Conduit
S12.004	26.141	0.108	242.6	0.040	0.00	0.0	0.600		o	450	Pipe/Conduit
S12.005	7.004	0.029	242.6	0.018	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.020	5.529	0.100	55.3	0.000	0.00	0.0	0.600		o	750	Pipe/Conduit
S6.021	2.000	0.100	20.0	0.000	0.00	0.0	0.600		o	825	Pipe/Conduit
S6.022	334.089	-0.175	-1909.1	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit
S6.023	92.104	0.548	168.1	0.185	5.00	0.0	0.600		o	300	Pipe/Conduit
S6.024	81.348	0.337	241.4	0.124	0.00	0.0	0.600		o	375	Pipe/Conduit
S6.025	98.594	2.015	48.9	0.154	0.00	0.0	0.600		o	375	Pipe/Conduit
S6.026	100.006	0.369	271.0	0.145	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.027	23.878	0.920	26.0	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.028	10.318	0.038	271.5	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.029	28.094	0.103	272.7	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.030	97.125	0.370	262.4	0.136	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.031	97.627	0.713	137.0	0.126	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.032	94.450	3.107	30.4	0.124	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.033	67.601	1.805	37.5	0.089	0.00	0.0	0.600		o	450	Pipe/Conduit
S6.034	14.858	1.728	8.6	0.032	0.00	0.0	0.600		o	450	Pipe/Conduit
S13.000	69.097	1.182	58.5	0.054	5.00	0.0	0.600		o	375	Pipe/Conduit
S13.001	69.097	1.182	58.5	0.092	0.00	0.0	0.600		o	375	Pipe/Conduit
S13.002	32.179	0.750	42.9	0.000	0.00	0.0	0.600		o	375	Pipe/Conduit
S6.035	31.220	0.064	487.8	0.000	0.00	0.0	0.600		o	525	Pipe/Conduit
S6.036	30.254	0.068	443.5	0.085	0.00	0.0	0.600		o	525	Pipe/Conduit

Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S12.002	37.800	0.181	0.0	4.38	696.5
S12.003	37.516	0.287	0.0	0.88	140.2
S12.004	37.336	0.326	0.0	1.30	206.9
S12.005	37.228	0.344	0.0	1.30	206.9
S6.020	35.300	5.057	0.0	3.77	1664.8
S6.021	35.200	5.057	0.0	6.66	3557.8
S6.022	35.100	5.057	0.0	0.00	0.0
S6.023	35.275	5.242	0.0	1.21	85.5
S6.024	34.652	5.366	0.0	1.16	128.3
S6.025	34.315	5.520	0.0	2.60	286.7
S6.026	32.225	5.665	0.0	1.23	195.6
S6.027	31.856	5.665	0.0	4.00	636.7
S6.028	30.936	5.665	0.0	1.23	195.4
S6.029	30.898	5.665	0.0	1.23	195.0
S6.030	30.795	5.801	0.0	1.25	198.8
S6.031	30.425	5.926	0.0	1.74	276.0
S6.032	29.712	6.050	0.0	3.70	588.2
S6.033	26.605	6.140	0.0	3.33	529.7
S6.034	24.800	6.171	0.0	6.96	1107.7
S13.000	26.260	0.054	0.0	2.37	262.1
S13.001	25.079	0.146	0.0	2.37	262.1
S13.002	23.897	0.146	0.0	2.77	306.3
S6.035	22.997	6.317	0.0	1.01	218.1
S6.036	22.933	6.403	0.0	1.06	228.8

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Existing Network Details for SLR-AB-13

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type
S14.000	74.306	1.270	58.5	0.051	5.00	0.0	0.600		o	300	Pipe/Conduit
S14.001	54.232	0.928	58.4	0.037	0.00	0.0	0.600		o	300	Pipe/Conduit
S14.002	28.503	0.487	58.5	0.009	0.00	0.0	0.600		o	300	Pipe/Conduit
S6.037	56.097	0.495	113.3	0.072	0.00	0.0	0.600		o	525	Pipe/Conduit
S6.038	82.710	2.560	32.3	0.132	0.00	0.0	0.600		o	525	Pipe/Conduit
S6.039	60.834	1.840	33.1	0.029	0.00	0.0	0.600		o	525	Pipe/Conduit
S6.040	59.731	1.960	30.5	0.071	0.00	0.0	0.600		o	525	Pipe/Conduit
S6.041	83.142	0.460	180.7	0.070	0.00	0.0	0.600		o	525	Pipe/Conduit
S6.042	3.846	1.896	2.0	0.000	0.00	0.0	0.600		o	525	Pipe/Conduit
S15.000	90.460	1.720	52.6	0.025	5.00	0.0	0.600	5 \	\	200	1:5 V
S15.001	88.512	3.000	29.5	0.032	0.00	0.0		0.100	5 \	200	1:5 V Swale
S15.002	85.932	4.594	18.7	0.035	0.00	0.0		0.100	5 \	200	1:5 V Swale
S15.003	34.138	2.326	14.7	0.017	0.00	0.0	0.600		o	300	Pipe/Conduit
S6.043	52.815	3.380	15.6	0.070	0.00	0.0	0.600		o	525	Pipe/Conduit
S6.044	60.007	0.120	500.0	0.087	0.00	0.0	0.600		o	600	Pipe/Conduit
S6.045	59.884	0.650	92.1	0.091	0.00	0.0	0.600		o	600	Pipe/Conduit
S4.028	12.893	0.026	495.9	0.000	0.00	0.0	0.600		o	900	Pipe/Conduit
S4.029	32.844	0.066	500.0	0.000	0.00	0.0	0.600		o	900	Pipe/Conduit
S4.030	23.062	0.046	500.0	0.000	0.00	0.0	0.600		o	900	Pipe/Conduit
S4.031	29.025	0.058	500.0	0.000	0.00	0.0	0.600		o	900	Pipe/Conduit

Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S14.000	26.260	0.051	0.0	2.06	145.6
S14.001	24.990	0.088	0.0	2.06	145.7
S14.002	24.062	0.097	0.0	2.06	145.5
S6.037	22.865	6.572	0.0	2.10	455.4
S6.038	22.370	6.704	0.0	3.95	855.2
S6.039	19.810	6.733	0.0	3.91	845.4
S6.040	17.970	6.804	0.0	4.07	880.7
S6.041	16.010	6.874	0.0	1.66	360.0
S6.042	15.550	6.874	0.0	15.81	3421.7
S15.000	25.520	0.025	0.0	2.58	515.1
S15.001	23.800	0.058	0.0	0.39	78.3
S15.002	20.800	0.093	0.0	0.49	98.3
S15.003	16.206	0.110	0.0	4.12	291.6
S6.043	13.654	7.053	0.0	5.69	1231.0
S6.044	10.199	7.140	0.0	1.08	306.0
S6.045	10.079	7.232	0.0	2.54	717.5
S4.028	9.129	9.172	0.0	1.40	890.8
S4.029	9.103	9.172	0.0	1.39	887.1
S4.030	9.038	9.172	0.0	1.39	887.1
S4.031	8.992	9.172	0.0	1.39	887.1

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Manhole Schedules for SLR-AB-13

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Backdrop (mm)
S5	37.516	1.765	Open Manhole	1350	S4.000	35.751	375				
S6	36.900	1.825	Open Manhole	1350	S4.001	35.075	375	S4.000	35.075	375	
S7	35.500	1.925	Open Manhole	1350	S4.002	33.575	375	S4.001	33.575	375	
S8	34.900	1.725	Open Manhole	1350	S4.003	33.175	375	S4.002	33.175	375	
S9	34.500	1.925	Open Manhole	1350	S4.004	32.575	375	S4.003	32.575	375	
S10	33.200	1.425	Open Manhole	1350	S4.005	31.775	375	S4.004	31.775	375	
S11	32.990	1.425	Open Manhole	1350	S4.006	31.565	375	S4.005	31.565	375	
S12	32.700	1.425	Open Manhole	1350	S4.007	31.275	375	S4.006	31.275	375	
S13	33.000	1.936	Open Manhole	1350	S4.008	31.064	375	S4.007	31.064	375	
S14	27.409	1.425	Open Manhole	1350	S4.009	25.984	450	S4.008	25.984	375	
S15	27.400	1.687	Open Manhole	1350	S4.010	25.713	450	S4.009	25.713	450	
S16	27.353	1.756	Open Manhole	1350	S4.011	25.597	450	S4.010	25.597	450	
S17	26.830	1.500	Open Manhole	1350	S4.012	25.330	450	S4.011	25.330	450	
S18	26.830	1.534	Open Manhole	1350	S4.013	25.296	450	S4.012	25.296	450	
S19	27.353	2.092	Open Manhole	1350	S4.014	25.261	450	S4.013	25.261	450	
S20	27.353	2.151	Open Manhole	1350	S4.015	25.203	450	S4.014	25.203	450	
S21	26.380	1.575	Open Manhole	1500	S4.016	24.805	525	S4.015	24.880	450	
S22	27.353	2.737	Open Manhole	1500	S4.017	24.617	525	S4.016	24.617	525	
S23	27.000	2.580	Open Manhole	1500	S4.018	24.420	525	S4.017	24.420	525	
S24	17.260	1.575	Open Manhole	1500	S4.019	15.685	525	S4.018	15.685	525	
S25	15.040	1.575	Open Manhole	1500	S4.020	13.465	525	S4.019	13.465	525	
S26	26.000	0.577	Open Manhole	1200	S5.000	25.423	200				
S27	25.500	0.418	Open Manhole	1200	S5.001	25.082	200	S5.000	25.082	200	
S28	24.670	0.502	Open Manhole	1200	S5.002	24.168	200	S5.001	24.168	200	
S29	24.467	0.764	Open Manhole	1200	S5.003	23.703	200	S5.002	23.703	200	
S30	23.567	0.549	Open Manhole	1200	S5.004	23.018	200	S5.003	23.018	200	
S31	15.743	1.299	Open Manhole	1200	S5.005	14.444	225	S5.004	14.444	200	
S26	14.920	1.725	Open Manhole	1500	S4.021	13.195	525	S4.020	13.195	525	
								S5.005	13.495	225	
S27	13.227	1.725	Open Manhole	1500	S4.022	11.502	525	S4.021	11.502	525	
S28	12.230	1.725	Open Manhole	1500	S4.023	10.505	525	S4.022	10.505	525	
S29	11.200	1.725	Open Manhole	1800	S4.024	9.475	900	S4.023	9.475	525	
S30	12.397	3.069	Open Manhole	1800	S4.025	9.328	900	S4.024	9.328	900	
S31	12.100	2.780	Open Manhole	1800	S4.026	9.320	1200	S4.025	9.320	900	
S32	11.300	2.072	Open Manhole	1800	S4.027	9.228	1200	S4.026	9.228	1200	
S56	41.540	1.340	Open Manhole	1200	S6.000	40.200	300				
S57	41.100	1.499	Open Manhole	1200	S6.001	39.601	300	S6.000	39.601	300	
S58	40.820	1.442	Open Manhole	1200	S6.002	39.378	300	S6.001	39.378	300	
S59	40.840	1.620	Open Manhole	1200	S6.003	39.220	300	S6.002	39.220	300	
S60	40.700	1.508	Open Manhole	1200	S6.004	39.192	300	S6.003	39.192	300	
S61	40.400	1.439	Open Manhole	1350	S6.005	38.961	375	S6.004	39.036	300	
S62	40.200	1.707	Open Manhole	1350	S6.006	38.493	450	S6.005	38.568	375	
S63	39.900	1.664	Open Manhole	1350	S6.007	38.236	450	S6.006	38.236	450	
S31	41.300	1.300	Open Manhole	1350	S7.000	40.000	375				
S32	40.990	1.401	Open Manhole	1350	S7.001	39.589	375	S7.000	39.589	375	
S33	40.200	0.924	Open Manhole	1350	S7.002	39.276	375	S7.001	39.276	375	
S34	40.240	1.234	Open Manhole	1350	S7.003	39.006	450	S7.002	39.081	375	

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Checked by Derek Lord

XP Solutions

Network 2019.1

Manhole Schedules for SLR-AB-13

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S35	40.240	1.284	Open Manhole	1350	S7.004	38.956	450	S7.003	38.956	450	
S36	40.240	1.338	Open Manhole	1350	S7.005	38.902	450	S7.004	38.902	450	
S37	39.860	0.999	Open Manhole	1350	S7.006	38.861	450	S7.005	38.861	450	
S38	39.700	1.191	Open Manhole	1350	S7.007	38.509	450	S7.006	38.509	450	
S65	39.280	1.713	Open Manhole	1500	S7.008	37.567	600	S7.007	37.984	450	267
S64	39.280	1.786	Open Manhole	1350	S6.008	37.939	450	S6.007	37.939	450	
								S7.008	37.494	600	
S39	40.120	1.020	Open Manhole	1350	S8.000	39.100	375				
S40	40.520	1.598	Open Manhole	1350	S8.001	38.922	375	S8.000	38.922	375	
S41	40.080	1.464	Open Manhole	1350	S8.002	38.616	375	S8.001	38.616	375	
S42	39.200	0.795	Open Manhole	1350	S8.003	38.405	375	S8.002	38.405	375	
S43	39.000	1.115	Open Manhole	1350	S8.004	37.905	375	S8.003	37.885	375	
S40	40.000	0.900	Open Manhole	1200	S9.000	39.100	375				
S44	40.400	1.350	Open Manhole	1350	S9.001	39.050	375	S9.000	39.050	375	
S45	40.000	1.350	Open Manhole	1350	S9.002	38.650	375	S9.001	38.650	375	
S46	40.000	2.599	Open Manhole	1500	S9.003	37.401	675	S9.002	38.449	375	748
S47	39.000	1.637	Open Manhole	1500	S9.004	37.363	675	S9.003	37.363	675	
S48	39.000	1.681	Open Manhole	1500	S9.005	37.319	675	S9.004	37.319	675	
S49	39.320	2.106	Open Manhole	1500	S9.006	37.214	675	S9.005	37.214	675	
S50	39.420	2.386	Open Manhole	1500	S9.007	37.034	675	S9.006	37.034	675	
S44	39.000	2.067	Open Manhole	1500	S8.005	36.933	675	S8.004	37.837	375	604
								S9.007	36.933	675	
S45	38.300	1.914	Open Manhole	2100	S8.006	36.386	1200	S8.005	36.911	675	
S34	38.900	2.597	Open Manhole	2400	S8.007	36.303	1200	S8.006	36.303	1200	
S35	39.070	2.841	Open Manhole	2100	S6.009	36.229	1200	S6.008	37.717	450	738
								S8.007	36.229	1200	
S36	38.180	2.080	Open Manhole	2100	S6.010	36.100	1200	S6.009	36.100	1200	
S37	38.670	2.620	Open Manhole	1925	S6.011	36.050	100	S6.010	36.050	1200	
S1	40.720	1.000	Open Manhole	1350	S6.012	39.720	450	S6.011	39.720	100	
S2	40.100	0.892	Open Manhole	1350	S6.013	39.208	450	S6.012	39.208	450	
S3	39.660	1.650	Open Manhole	1350	S6.014	38.010	450	S6.013	38.010	450	
S4	39.200	1.650	Open Manhole	1350	S6.015	37.550	525	S6.014	37.550	450	
S5	38.360	1.650	Open Manhole	1350	S6.016	36.710	525	S6.015	36.710	525	
S6	38.500	2.117	Open Manhole	1500	S6.017	36.383	525	S6.016	36.458	525	75
S7	38.920	2.665	Open Manhole	1500	S6.018	36.255	525	S6.017	36.255	525	
S84	38.000	0.700	Open Manhole	1475	S10.000	37.300	525				
S23	38.680	2.580	Open Manhole	1350	S10.001	36.100	525	S10.000	36.100	525	
S8	39.160	3.160	Open Manhole	1350	S10.002	36.000	525	S10.001	36.000	525	
S9	38.120	2.420	Open Manhole	1350	S10.003	35.700	525	S10.002	35.700	525	
S7	38.920	3.420	Open Manhole	1500	S6.019	35.500	600	S6.018	36.128	525	553
								S10.003	35.500	525	
S8	40.460	1.350	Open Manhole	1350	S11.000	39.110	450				
S9	39.880	1.350	Open Manhole	1350	S11.001	38.530	450	S11.000	38.530	450	
S10	39.880	1.575	Open Manhole	1350	S11.002	38.305	450	S11.001	38.305	450	
S11	39.440	1.575	Open Manhole	1350	S11.003	37.865	450	S11.002	37.865	450	
S12	39.100	1.575	Open Manhole	1350	S11.004	37.525	450	S11.003	37.525	450	
S13	39.160	1.781	Open Manhole	1350	S11.005	37.379	450	S11.004	37.379	450	

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Manhole Schedules for SLR-AB-13

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S14	38.860	1.643	Open Manhole	1350	S11.006	37.217	450	S11.005	37.217	450	
S15	38.920	1.748	Open Manhole	1350	S11.007	37.172	450	S11.006	37.172	450	
S16	38.840	1.768	Open Manhole	1350	S11.008	37.072	450	S11.007	37.072	450	
S17	38.940	1.987	Open Manhole	1350	S11.009	36.953	450	S11.008	36.953	450	
S18	38.820	1.996	Open Manhole	1350	S11.010	36.824	450	S11.009	36.824	450	
S19	39.000	2.258	Open Manhole	1350	S11.011	36.742	450	S11.010	36.742	450	
S20	38.880	2.360	Open Manhole	1500	S11.012	36.520	525	S11.011	36.595	450	
S21	39.220	2.801	Open Manhole	1500	S11.013	36.419	525	S11.012	36.419	525	
S99	38.600	0.700	Open Manhole	1200	S12.000	37.900	450				
S142	38.800	0.960	Open Manhole	1200	S12.001	37.840	450	S12.000	37.840	450	
S100	39.000	1.200	Open Manhole	1200	S12.002	37.800	450	S12.001	37.800	450	
S26	39.320	1.804	Open Manhole	1350	S12.003	37.516	450	S12.002	37.516	450	
S27	39.000	1.664	Open Manhole	1350	S12.004	37.336	450	S12.003	37.336	450	
S27	39.000	1.772	Open Manhole	1350	S12.005	37.228	450	S12.004	37.228	450	
S8	39.200	3.900	Open Manhole	1800	S6.020	35.300	750	S6.019	35.300	600	
								S11.013	36.380	525	855
								S12.005	37.199	450	1599
S30	39.000	3.800	Open Manhole	1800	S6.021	35.200	825	S6.020	35.200	750	
S102	39.000	3.900	Open Manhole	1550	S6.022	35.100	100	S6.021	35.100	825	
S1	36.700	1.425	Open Manhole	1200	S6.023	35.275	300	S6.022	35.275	100	
S2	36.500	1.848	Open Manhole	1350	S6.024	34.652	375	S6.023	34.727	300	
S3	36.500	2.185	Open Manhole	1350	S6.025	34.315	375	S6.024	34.315	375	
S4	34.400	2.175	Open Manhole	1350	S6.026	32.225	450	S6.025	32.300	375	
S39	33.820	1.964	Open Manhole	1350	S6.027	31.856	450	S6.026	31.856	450	
S40	32.711	1.775	Open Manhole	1350	S6.028	30.936	450	S6.027	30.936	450	
S41	32.500	1.602	Open Manhole	1350	S6.029	30.898	450	S6.028	30.898	450	
S42	32.900	2.105	Open Manhole	1350	S6.030	30.795	450	S6.029	30.795	450	
S43	32.000	1.575	Open Manhole	1350	S6.031	30.425	450	S6.030	30.425	450	
S44	31.287	1.575	Open Manhole	1350	S6.032	29.712	450	S6.031	29.712	450	
S45	28.180	1.575	Open Manhole	1350	S6.033	26.605	450	S6.032	26.605	450	
S46	26.350	1.550	Open Manhole	1350	S6.034	24.800	450	S6.033	24.800	450	
S47	27.560	1.300	Open Manhole	1350	S13.000	26.260	375				
S116	26.600	1.521	Open Manhole	1200	S13.001	25.079	375	S13.000	25.079	375	
S48	26.600	2.703	Open Manhole	1350	S13.002	23.897	375	S13.001	23.897	375	
S47	26.000	3.003	Open Manhole	1500	S6.035	22.997	525	S6.034	23.072	450	
								S13.002	23.147	375	
S48	26.880	3.947	Open Manhole	1500	S6.036	22.933	525	S6.035	22.933	525	
S49	27.560	1.300	Open Manhole	1200	S14.000	26.260	300				
S50	27.280	2.290	Open Manhole	1200	S14.001	24.990	300	S14.000	24.990	300	
S51	26.620	2.558	Open Manhole	1200	S14.002	24.062	300	S14.001	24.062	300	
S49	26.020	3.155	Open Manhole	1500	S6.037	22.865	525	S6.036	22.865	525	
								S14.002	23.575	300	485
S50	24.020	1.650	Open Manhole	1500	S6.038	22.370	525	S6.037	22.370	525	
S51	21.460	1.650	Open Manhole	1500	S6.039	19.810	525	S6.038	19.810	525	
S52	19.620	1.650	Open Manhole	1500	S6.040	17.970	525	S6.039	17.970	525	
S52	17.660	1.650	Open Manhole	1500	S6.041	16.010	525	S6.040	16.010	525	
S53	17.200	1.650	Open Manhole	1500	S6.042	15.550	525	S6.041	15.550	525	

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Manhole Schedules for SLR-AB-13

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S54	26.320	0.800	Open Manhole	1200	S15.000	25.520	200				
S55	24.400	0.600	Open Manhole	1200	S15.001	23.800	200	S15.000	23.800	200	
S56	21.360	0.560	Open Manhole	1200	S15.002	20.800	200	S15.001	20.800	200	
S57	17.506	1.300	Open Manhole	1200	S15.003	16.206	300	S15.002	16.206	200	
S54	15.380	1.726	Open Manhole	1500	S6.043	13.654	525	S6.042	13.654	525	
								S15.003	13.879	300	
S55	12.000	1.801	Open Manhole	1500	S6.044	10.199	600	S6.043	10.274	525	
S56	12.000	1.921	Open Manhole	1500	S6.045	10.079	600	S6.044	10.079	600	
S33	11.421	2.292	Open Manhole	1800	S4.028	9.129	900	S4.027	9.129	1200	
								S6.045	9.429	600	
S34	11.421	2.318	Open Manhole	1800	S4.029	9.103	900	S4.028	9.103	900	
S35	11.421	2.383	Open Manhole	1800	S4.030	9.038	900	S4.029	9.038	900	
S36	11.421	2.429	Open Manhole	1800	S4.031	8.992	900	S4.030	8.992	900	
S	10.000	1.067	Open Manhole	0		OUTFALL		S4.031	8.933	900	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S5	640174.728	267478.727	640174.728	267478.727	Required	
S6	640272.941	267465.741	640272.941	267465.741	Required	
S7	640371.873	267452.001	640371.873	267452.001	Required	
S8	640471.313	267441.612	640471.313	267441.612	Required	
S9	640566.097	267429.980	640566.097	267429.980	Required	
S10	640560.457	267412.478	640560.457	267412.478	Required	
S11	640567.990	267409.055	640567.990	267409.055	Required	
S12	640585.796	267427.044	640585.796	267427.044	Required	
S13	640669.303	267414.548	640669.303	267414.548	Required	
S14	640768.282	267400.315	640768.282	267400.315	Required	
S15	640863.695	267387.076	640863.695	267387.076	Required	
S16	640915.663	267381.469	640915.663	267381.469	Required	



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MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S17	640912.182	267366.506	640912.182	267366.506	Required	
S18	640926.942	267363.396	640926.942	267363.396	Required	
S19	640931.362	267378.135	640931.362	267378.135	Required	
S20	640954.309	267376.132	640954.309	267376.132	Required	
S21	640956.678	267378.734	640956.678	267378.734	Required	
S22	641049.711	267365.139	641049.711	267365.139	Required	
S23	641147.933	267350.051	641147.933	267350.051	Required	
S24	641245.484	267330.148	641245.484	267330.148	Required	
S25	641327.554	267310.389	641327.554	267310.389	Required	
S26	640971.058	267370.527	640971.058	267370.527	Required	
S27	640990.684	267366.827	640990.684	267366.827	Required	
S28	641055.470	267354.066	641055.470	267354.066	Required	
S29	641132.505	267340.873	641132.505	267340.873	Required	
S30	641230.676	267322.726	641230.676	267322.726	Required	
S31	641324.168	267305.524	641324.168	267305.524	Required	
S26	641328.608	267307.198	641328.608	267307.198	Required	
S27	641332.113	267305.982	641332.113	267305.982	Required	
S28	641390.405	267283.263	641390.405	267283.263	Required	
S29	641385.808	267270.308	641385.808	267270.308	Required	
S30	641362.772	267250.259	641362.772	267250.259	Required	

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MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S31	641402.280	267235.223	641402.280	267235.223	Required	
S32	641446.767	267263.786	641446.767	267263.786	Required	
S56	639256.212	267285.217	639256.212	267285.217	Required	
S57	639165.478	267246.118	639165.478	267246.118	Required	
S58	639113.064	267229.681	639113.064	267229.681	Required	
S59	639092.090	267261.573	639092.090	267261.573	Required	
S60	639085.210	267261.913	639085.210	267261.913	Required	
S61	639087.636	267224.027	639087.636	267224.027	Required	
S62	638988.988	267211.500	638988.988	267211.500	Required	
S63	638889.450	267209.859	638889.450	267209.859	Required	
S31	639274.081	267266.327	639274.081	267266.327	Required	
S32	639182.426	267227.361	639182.426	267227.361	Required	
S33	639086.430	267200.111	639086.430	267200.111	Required	
S34	639032.534	267192.567	639032.534	267192.567	Required	
S35	639028.746	267172.812	639028.746	267172.812	Required	
S36	639007.282	267172.804	639007.282	267172.804	Required	
S37	638986.819	267188.033	638986.819	267188.033	Required	
S38	638887.803	267190.161	638887.803	267190.161	Required	
S65	638789.676	267196.429	638789.676	267196.429	Required	
S64	638791.081	267216.687	638791.081	267216.687	Required	

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MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S39	638684.661	267189.814	638684.661	267189.814	Required	
S40	638689.061	267219.106	638689.061	267219.106	Required	
S41	638706.995	267266.685	638706.995	267266.685	Required	
S42	638715.159	267301.226	638715.159	267301.226	Required	
S43	638751.189	267380.307	638751.189	267380.307	Required	
S40	638684.393	267162.648	638684.393	267162.648	Required	
S44	638721.018	267171.428	638721.018	267171.428	Required	
S45	638741.192	267184.859	638741.192	267184.859	Required	
S46	638748.263	267203.490	638748.263	267203.490	Required	
S47	638743.377	267221.508	638743.377	267221.508	Required	
S48	638729.868	267232.878	638729.868	267232.878	Required	
S49	638720.693	267282.574	638720.693	267282.574	Required	
S50	638754.278	267365.860	638754.278	267365.860	Required	
S44	638762.313	267377.488	638762.313	267377.488	Required	
S45	638762.451	267366.886	638762.451	267366.886	Required	
S34	638758.291	267325.666	638758.291	267325.666	Required	
S35	638769.911	267269.648	638769.911	267269.648	Required	
S36	638803.130	267252.995	638803.130	267252.995	Required	
S37	638816.293	267249.077	638816.293	267249.077	Required	
S1	639271.123	267292.929	639271.123	267292.929	Required	

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MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S2	639356.426	267344.846	639356.426	267344.846	Required	
S3	639439.209	267398.993	639439.209	267398.993	Required	
S4	639527.047	267443.876	639527.047	267443.876	Required	
S5	639620.028	267479.950	639620.028	267479.950	Required	
S6	639713.524	267506.158	639713.524	267506.158	Required	
S7	639774.916	267517.836	639774.916	267517.836	Required	
S84	640123.356	267517.325	640123.356	267517.325	Required	
S23	640049.189	267524.329	640049.189	267524.329	Required	
S8	639969.720	267527.950	639969.720	267527.950	Required	
S9	639889.256	267532.031	639889.256	267532.031	Required	
S7	639837.035	267524.663	639837.035	267524.663	Required	
S8	639292.747	267273.034	639292.747	267273.034	Required	
S9	639335.356	267295.991	639335.356	267295.991	Required	
S10	639381.074	267320.663	639381.074	267320.663	Required	
S11	639425.980	267343.007	639425.980	267343.007	Required	
S12	639469.641	267366.277	639469.641	267366.277	Required	
S13	639510.928	267388.846	639510.928	267388.846	Required	
S14	639557.869	267411.311	639557.869	267411.311	Required	
S15	639571.636	267415.343	639571.636	267415.343	Required	
S16	639599.978	267428.976	639599.978	267428.976	Required	

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MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S17	639644.513	267446.163	639644.513	267446.163	Required	
S18	639693.990	267461.808	639693.990	267461.808	Required	
S19	639725.877	267470.466	639725.877	267470.466	Required	
S20	639776.518	267482.280	639776.518	267482.280	Required	
S21	639825.572	267491.583	639825.572	267491.583	Required	
S99	640106.019	267493.990	640106.019	267493.990	Required	
S142	640072.073	267498.152	640072.073	267498.152	Required	
S100	639977.159	267503.930	639977.159	267503.930	Required	
S26	639971.026	267504.546	639971.026	267504.546	Required	
S27	639877.021	267498.754	639877.021	267498.754	Required	
S27	639850.973	267496.546	639850.973	267496.546	Required	
S8	639844.018	267495.723	639844.018	267495.723	Required	
S30	639844.892	267490.264	639844.892	267490.264	Required	
S102	639846.892	267490.264	639846.892	267490.264	Required	
S1	640178.788	267512.750	640178.788	267512.750	Required	
S2	640269.991	267500.133	640269.991	267500.133	Required	
S3	640350.340	267487.501	640350.340	267487.501	Required	
S4	640447.508	267470.829	640447.508	267470.829	Required	
S39	640546.241	267454.932	640546.241	267454.932	Required	
S40	640548.621	267478.692	640548.621	267478.692	Required	

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Manhole Schedules for SLR-AB-13

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S41	640558.939	267478.776	640558.939	267478.776	Required	
S42	640564.827	267451.307	640564.827	267451.307	Required	
S43	640661.165	267438.966	640661.165	267438.966	Required	
S44	640757.842	267425.375	640757.842	267425.375	Required	
S45	640851.445	267412.753	640851.445	267412.753	Required	
S46	640918.240	267403.933	640918.240	267403.933	Required	
S47	640986.182	267557.318	640986.182	267557.318	Required	
S116	640974.692	267489.194	640974.692	267489.194	Required	
S48	640958.963	267421.923	640958.963	267421.923	Required	
S47	640927.421	267415.614	640927.421	267415.614	Required	
S48	640958.640	267415.927	640958.640	267415.927	Required	
S49	641001.018	267562.240	641001.018	267562.240	Required	
S50	640987.596	267489.157	640987.596	267489.157	Required	
S51	640980.167	267435.617	640980.167	267435.617	Required	
S49	640987.961	267408.470	640987.961	267408.470	Required	
S50	641036.117	267383.388	641036.117	267383.388	Required	
S51	641117.544	267368.999	641117.544	267368.999	Required	
S52	641177.362	267357.949	641177.362	267357.949	Required	
S52	641235.762	267345.425	641235.762	267345.425	Required	
S53	641316.525	267325.695	641316.525	267325.695	Required	

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Manhole Schedules for SLR-AB-13

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S54	641028.806	267394.553	641028.806	267394.553	Required	
S55	641118.064	267380.077	641118.064	267380.077	Required	
S56	641204.805	267362.533	641204.805	267362.533	Required	
S57	641287.645	267339.790	641287.645	267339.790	Required	
S54	641319.656	267327.927	641319.656	267327.927	Required	
S55	641371.507	267317.880	641371.507	267317.880	Required	
S56	641430.252	267305.638	641430.252	267305.638	Required	
S33	641488.202	267290.539	641488.202	267290.539	Required	
S34	641491.000	267303.125	641491.000	267303.125	Required	
S35	641511.303	267328.942	641511.303	267328.942	Required	
S36	641534.141	267325.736	641534.141	267325.736	Required	
S	641554.821	267305.369			No Entry	



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PIPELINE SCHEDULES for SLR-AB-13

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S4.000	o	375	S5	37.516	35.751	1.390	Open Manhole	1350
S4.001	o	375	S6	36.900	35.075	1.450	Open Manhole	1350
S4.002	o	375	S7	35.500	33.575	1.550	Open Manhole	1350
S4.003	o	375	S8	34.900	33.175	1.350	Open Manhole	1350
S4.004	o	375	S9	34.500	32.575	1.550	Open Manhole	1350
S4.005	o	375	S10	33.200	31.775	1.050	Open Manhole	1350
S4.006	o	375	S11	32.990	31.565	1.050	Open Manhole	1350
S4.007	o	375	S12	32.700	31.275	1.050	Open Manhole	1350
S4.008	o	375	S13	33.000	31.064	1.561	Open Manhole	1350
S4.009	o	450	S14	27.409	25.984	0.975	Open Manhole	1350
S4.010	o	450	S15	27.400	25.713	1.237	Open Manhole	1350
S4.011	o	450	S16	27.353	25.597	1.306	Open Manhole	1350
S4.012	o	450	S17	26.830	25.330	1.050	Open Manhole	1350
S4.013	o	450	S18	26.830	25.296	1.084	Open Manhole	1350
S4.014	o	450	S19	27.353	25.261	1.642	Open Manhole	1350
S4.015	o	450	S20	27.353	25.203	1.701	Open Manhole	1350
S4.016	o	525	S21	26.380	24.805	1.050	Open Manhole	1500
S4.017	o	525	S22	27.353	24.617	2.212	Open Manhole	1500
S4.018	o	525	S23	27.000	24.420	2.055	Open Manhole	1500
S4.019	o	525	S24	17.260	15.685	1.050	Open Manhole	1500
S4.020	o	525	S25	15.040	13.465	1.050	Open Manhole	1500
S5.000	5 \	200	S26	26.000	25.423	0.377	Open Manhole	1200
S5.001	5 \	200	S27	25.500	25.082	0.218	Open Manhole	1200
S5.002	5 \	200	S28	24.670	24.168	0.302	Open Manhole	1200
S5.003	5 \	200	S29	24.467	23.703	0.564	Open Manhole	1200
S5.004	5 \	200	S30	23.567	23.018	0.349	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S4.000	99.086	146.6	S6	36.900	35.075	1.450	Open Manhole	1350
S4.001	99.884	66.6	S7	35.500	33.575	1.550	Open Manhole	1350
S4.002	99.983	250.0	S8	34.900	33.175	1.350	Open Manhole	1350
S4.003	95.501	159.2	S9	34.500	32.575	1.550	Open Manhole	1350
S4.004	18.388	23.0	S10	33.200	31.775	1.050	Open Manhole	1350
S4.005	8.274	39.4	S11	32.990	31.565	1.050	Open Manhole	1350
S4.006	25.310	87.3	S12	32.700	31.275	1.050	Open Manhole	1350
S4.007	84.488	400.9	S13	33.000	31.064	1.561	Open Manhole	1350
S4.008	99.998	19.7	S14	27.409	25.984	1.050	Open Manhole	1350
S4.009	96.363	355.6	S15	27.400	25.713	1.237	Open Manhole	1350
S4.010	52.272	452.5	S16	27.353	25.597	1.306	Open Manhole	1350
S4.011	15.362	57.5	S17	26.830	25.330	1.050	Open Manhole	1350
S4.012	15.084	443.5	S18	26.830	25.296	1.084	Open Manhole	1350
S4.013	15.388	443.4	S19	27.353	25.261	1.642	Open Manhole	1350
S4.014	23.034	392.8	S20	27.353	25.203	1.701	Open Manhole	1350
S4.015	3.519	10.9	S21	26.380	24.880	1.050	Open Manhole	1500
S4.016	94.021	500.0	S22	27.353	24.617	2.212	Open Manhole	1500
S4.017	99.395	503.8	S23	27.000	24.420	2.055	Open Manhole	1500
S4.018	99.563	11.4	S24	17.260	15.685	1.050	Open Manhole	1500
S4.019	84.415	38.0	S25	15.040	13.465	1.050	Open Manhole	1500
S4.020	3.361	12.4	S26	14.920	13.195	1.200	Open Manhole	1500
S5.000	19.972	58.6	S27	25.500	25.082	0.218	Open Manhole	1200
S5.001	66.031	72.2	S28	24.670	24.168	0.302	Open Manhole	1200
S5.002	78.157	168.1	S29	24.467	23.703	0.564	Open Manhole	1200
S5.003	99.835	145.7	S30	23.567	23.018	0.349	Open Manhole	1200
S5.004	95.061	11.1	S31	15.743	14.444	1.099	Open Manhole	1200

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PIPELINE SCHEDULES for SLR-AB-13

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S5.005	o	225	S31	15.743	14.444	1.074	Open Manhole	1200
S4.021	o	525	S26	14.920	13.195	1.200	Open Manhole	1500
S4.022	o	525	S27	13.227	11.502	1.200	Open Manhole	1500
S4.023	o	525	S28	12.230	10.505	1.200	Open Manhole	1500
S4.024	o	900	S29	11.200	9.475	0.825	Open Manhole	1800
S4.025	o	900	S30	12.397	9.328	2.169	Open Manhole	1800
S4.026	o	1200	S31	12.100	9.320	1.580	Open Manhole	1800
S4.027	o	1200	S32	11.300	9.228	0.872	Open Manhole	1800
S6.000	o	300	S56	41.540	40.200	1.040	Open Manhole	1200
S6.001	o	300	S57	41.100	39.601	1.199	Open Manhole	1200
S6.002	o	300	S58	40.820	39.378	1.142	Open Manhole	1200
S6.003	o	300	S59	40.840	39.220	1.320	Open Manhole	1200
S6.004	o	300	S60	40.700	39.192	1.208	Open Manhole	1200
S6.005	o	375	S61	40.400	38.961	1.064	Open Manhole	1350
S6.006	o	450	S62	40.200	38.493	1.257	Open Manhole	1350
S6.007	o	450	S63	39.900	38.236	1.214	Open Manhole	1350
S7.000	o	375	S31	41.300	40.000	0.925	Open Manhole	1350
S7.001	o	375	S32	40.990	39.589	1.026	Open Manhole	1350
S7.002	o	375	S33	40.200	39.276	0.549	Open Manhole	1350
S7.003	o	450	S34	40.240	39.006	0.784	Open Manhole	1350
S7.004	o	450	S35	40.240	38.956	0.834	Open Manhole	1350
S7.005	o	450	S36	40.240	38.902	0.888	Open Manhole	1350
S7.006	o	450	S37	39.860	38.861	0.549	Open Manhole	1350
S7.007	o	450	S38	39.700	38.509	0.741	Open Manhole	1350

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S5.005	4.745	5.0	S26	14.920	13.495	1.200	Open Manhole	1500
S4.021	3.710	2.2	S27	13.227	11.502	1.200	Open Manhole	1500
S4.022	62.563	62.8	S28	12.230	10.505	1.200	Open Manhole	1500
S4.023	13.747	13.3	S29	11.200	9.475	1.200	Open Manhole	1800
S4.024	30.539	207.7	S30	12.397	9.328	2.169	Open Manhole	1800
S4.025	42.272	5284.1	S31	12.100	9.320	1.880	Open Manhole	1800
S4.026	52.867	574.6	S32	11.300	9.228	0.872	Open Manhole	1800
S4.027	49.321	498.2	S33	11.421	9.129	1.092	Open Manhole	1800
S6.000	98.864	165.0	S57	41.100	39.601	1.199	Open Manhole	1200
S6.001	54.945	247.0	S58	40.820	39.378	1.142	Open Manhole	1200
S6.002	38.171	241.6	S59	40.840	39.220	1.320	Open Manhole	1200
S6.003	6.888	241.6	S60	40.700	39.192	1.208	Open Manhole	1200
S6.004	37.964	243.5	S61	40.400	39.036	1.064	Open Manhole	1350
S6.005	99.522	253.3	S62	40.200	38.568	1.257	Open Manhole	1350
S6.006	99.739	388.8	S63	39.900	38.236	1.214	Open Manhole	1350
S6.007	98.613	331.0	S64	39.280	37.939	0.891	Open Manhole	1350
S7.000	100.062	243.5	S32	40.990	39.589	1.026	Open Manhole	1350
S7.001	99.932	319.3	S33	40.200	39.276	0.549	Open Manhole	1350
S7.002	54.427	279.1	S34	40.240	39.081	0.784	Open Manhole	1350
S7.003	20.115	401.4	S35	40.240	38.956	0.834	Open Manhole	1350
S7.004	21.464	401.4	S36	40.240	38.902	0.888	Open Manhole	1350
S7.005	25.508	613.2	S37	39.860	38.861	0.549	Open Manhole	1350
S7.006	99.117	281.5	S38	39.700	38.509	0.741	Open Manhole	1350
S7.007	98.339	187.3	S65	39.280	37.984	0.846	Open Manhole	1500

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PIPELINE SCHEDULES for SLR-AB-13

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S7.008	o	600	S65	39.280	37.567	1.113	Open Manhole	1500
S6.008	o	450	S64	39.280	37.939	0.891	Open Manhole	1350
S8.000	o	375	S39	40.120	39.100	0.645	Open Manhole	1350
S8.001	o	375	S40	40.520	38.922	1.223	Open Manhole	1350
S8.002	o	375	S41	40.080	38.616	1.089	Open Manhole	1350
S8.003	o	375	S42	39.200	38.405	0.420	Open Manhole	1350
S8.004	o	375	S43	39.000	37.905	0.720	Open Manhole	1350
S9.000	o	375	S40	40.000	39.100	0.525	Open Manhole	1200
S9.001	o	375	S44	40.400	39.050	0.975	Open Manhole	1350
S9.002	o	375	S45	40.000	38.650	0.975	Open Manhole	1350
S9.003	o	675	S46	40.000	37.401	1.924	Open Manhole	1500
S9.004	o	675	S47	39.000	37.363	0.962	Open Manhole	1500
S9.005	o	675	S48	39.000	37.319	1.006	Open Manhole	1500
S9.006	o	675	S49	39.320	37.214	1.431	Open Manhole	1500
S9.007	o	675	S50	39.420	37.034	1.711	Open Manhole	1500
S8.005	o	675	S44	39.000	36.933	1.392	Open Manhole	1500
S8.006	o	1200	S45	38.300	36.386	0.714	Open Manhole	2100
S8.007	o	1200	S34	38.900	36.303	1.397	Open Manhole	2400
S6.009	o	1200	S35	39.070	36.229	1.641	Open Manhole	2100
S6.010	o	1200	S36	38.180	36.100	0.880	Open Manhole	2100
S6.011	o	100	S37	38.670	36.050	2.520	Open Manhole	1925
S6.012	o	450	S1	40.720	39.720	0.550	Open Manhole	1350

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S7.008	20.331	278.5	S64	39.280	37.494	1.186	Open Manhole	1350
S6.008	57.036	256.9	S35	39.070	37.717	0.903	Open Manhole	2100
S8.000	30.015	168.6	S40	40.520	38.922	1.223	Open Manhole	1350
S8.001	51.411	168.2	S41	40.080	38.616	1.089	Open Manhole	1350
S8.002	35.572	168.0	S42	39.200	38.405	0.420	Open Manhole	1350
S8.003	87.293	168.0	S43	39.000	37.885	0.740	Open Manhole	1350
S8.004	11.475	168.7	S44	39.000	37.837	0.788	Open Manhole	1500
S9.000	37.994	759.9	S44	40.400	39.050	0.975	Open Manhole	1350
S9.001	25.181	63.0	S45	40.000	38.650	0.975	Open Manhole	1350
S9.002	19.927	99.0	S46	40.000	38.449	1.176	Open Manhole	1500
S9.003	18.669	500.0	S47	39.000	37.363	0.962	Open Manhole	1500
S9.004	17.657	400.0	S48	39.000	37.319	1.006	Open Manhole	1500
S9.005	52.564	500.6	S49	39.320	37.214	1.431	Open Manhole	1500
S9.006	90.215	500.0	S50	39.420	37.034	1.711	Open Manhole	1500
S9.007	14.134	140.0	S44	39.000	36.933	1.392	Open Manhole	1500
S8.005	10.603	500.0	S45	38.300	36.911	0.714	Open Manhole	2100
S8.006	41.430	499.2	S34	38.900	36.303	1.397	Open Manhole	2400
S8.007	57.210	773.1	S35	39.070	36.229	1.641	Open Manhole	2100
S6.009	37.159	288.1	S36	38.180	36.100	0.880	Open Manhole	2100
S6.010	13.735	274.7	S37	38.670	36.050	1.420	Open Manhole	1925
S6.011	470.278	-128.1	S1	40.720	39.720	0.900	Open Manhole	1350
S6.012	99.862	195.1	S2	40.100	39.208	0.442	Open Manhole	1350

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PIPELINE SCHEDULES for SLR-AB-13

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S6.013	o	450	S2	40.100	39.208	0.442	Open Manhole	1350
S6.014	o	450	S3	39.660	38.010	1.200	Open Manhole	1350
S6.015	o	525	S4	39.200	37.550	1.125	Open Manhole	1350
S6.016	o	525	S5	38.360	36.710	1.125	Open Manhole	1350
S6.017	o	525	S6	38.500	36.383	1.592	Open Manhole	1500
S6.018	o	525	S7	38.920	36.255	2.140	Open Manhole	1500
S10.000	o	525	S84	38.000	37.300	0.175	Open Manhole	1475
S10.001	o	525	S23	38.680	36.100	2.055	Open Manhole	1350
S10.002	o	525	S8	39.160	36.000	2.635	Open Manhole	1350
S10.003	o	525	S9	38.120	35.700	1.895	Open Manhole	1350
S6.019	o	600	S7	38.920	35.500	2.820	Open Manhole	1500
S11.000	o	450	S8	40.460	39.110	0.900	Open Manhole	1350
S11.001	o	450	S9	39.880	38.530	0.900	Open Manhole	1350
S11.002	o	450	S10	39.880	38.305	1.125	Open Manhole	1350
S11.003	o	450	S11	39.440	37.865	1.125	Open Manhole	1350
S11.004	o	450	S12	39.100	37.525	1.125	Open Manhole	1350
S11.005	o	450	S13	39.160	37.379	1.331	Open Manhole	1350
S11.006	o	450	S14	38.860	37.217	1.193	Open Manhole	1350
S11.007	o	450	S15	38.920	37.172	1.298	Open Manhole	1350
S11.008	o	450	S16	38.840	37.072	1.318	Open Manhole	1350
S11.009	o	450	S17	38.940	36.953	1.537	Open Manhole	1350
S11.010	o	450	S18	38.820	36.824	1.546	Open Manhole	1350
S11.011	o	450	S19	39.000	36.742	1.808	Open Manhole	1350
S11.012	o	525	S20	38.880	36.520	1.835	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S6.013	98.924	82.6	S3	39.660	38.010	1.200	Open Manhole	1350
S6.014	98.664	214.5	S4	39.200	37.550	1.200	Open Manhole	1350
S6.015	99.819	118.8	S5	38.360	36.710	1.125	Open Manhole	1350
S6.016	97.140	385.5	S6	38.500	36.458	1.517	Open Manhole	1500
S6.017	62.509	491.3	S7	38.920	36.255	2.140	Open Manhole	1500
S6.018	62.509	491.3	S7	38.920	36.128	2.267	Open Manhole	1500
S10.000	74.497	62.1	S23	38.680	36.100	2.055	Open Manhole	1350
S10.001	79.575	795.7	S8	39.160	36.000	2.635	Open Manhole	1350
S10.002	80.568	268.6	S9	38.120	35.700	1.895	Open Manhole	1350
S10.003	52.894	264.5	S7	38.920	35.500	2.895	Open Manhole	1500
S6.019	29.770	148.9	S8	39.200	35.300	3.300	Open Manhole	1800
S11.000	48.400	83.4	S9	39.880	38.530	0.900	Open Manhole	1350
S11.001	51.951	230.9	S10	39.880	38.305	1.125	Open Manhole	1350
S11.002	50.158	114.0	S11	39.440	37.865	1.125	Open Manhole	1350
S11.003	49.476	145.5	S12	39.100	37.525	1.125	Open Manhole	1350
S11.004	47.053	321.4	S13	39.160	37.379	1.331	Open Manhole	1350
S11.005	52.039	321.4	S14	38.860	37.217	1.193	Open Manhole	1350
S11.006	14.346	321.4	S15	38.920	37.172	1.298	Open Manhole	1350
S11.007	31.450	315.0	S16	38.840	37.072	1.318	Open Manhole	1350
S11.008	47.736	401.4	S17	38.940	36.953	1.537	Open Manhole	1350
S11.009	51.892	401.4	S18	38.820	36.824	1.546	Open Manhole	1350
S11.010	33.042	401.4	S19	39.000	36.742	1.808	Open Manhole	1350
S11.011	52.001	355.6	S20	38.880	36.595	1.835	Open Manhole	1500
S11.012	49.928	491.3	S21	39.220	36.419	2.276	Open Manhole	1500

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021

Designed by Daniel James

File SLR-AB-13 p03.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

PIPELINE SCHEDULES for SLR-AB-13

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S11.013	o	525	S21	39.220	36.419	2.276	Open Manhole	1500
S12.000	o	450	S99	38.600	37.900	0.250	Open Manhole	1200
S12.001	o	450	S142	38.800	37.840	0.510	Open Manhole	1200
S12.002	o	450	S100	39.000	37.800	0.750	Open Manhole	1200
S12.003	o	450	S26	39.320	37.516	1.354	Open Manhole	1350
S12.004	o	450	S27	39.000	37.336	1.214	Open Manhole	1350
S12.005	o	450	S27	39.000	37.228	1.322	Open Manhole	1350
S6.020	o	750	S8	39.200	35.300	3.150	Open Manhole	1800
S6.021	o	825	S30	39.000	35.200	2.975	Open Manhole	1800
S6.022	o	100	S102	39.000	35.100	3.800	Open Manhole	1550
S6.023	o	300	S1	36.700	35.275	1.125	Open Manhole	1200
S6.024	o	375	S2	36.500	34.652	1.473	Open Manhole	1350
S6.025	o	375	S3	36.500	34.315	1.810	Open Manhole	1350
S6.026	o	450	S4	34.400	32.225	1.725	Open Manhole	1350
S6.027	o	450	S39	33.820	31.856	1.514	Open Manhole	1350
S6.028	o	450	S40	32.711	30.936	1.325	Open Manhole	1350
S6.029	o	450	S41	32.500	30.898	1.152	Open Manhole	1350
S6.030	o	450	S42	32.900	30.795	1.655	Open Manhole	1350
S6.031	o	450	S43	32.000	30.425	1.125	Open Manhole	1350
S6.032	o	450	S44	31.287	29.712	1.125	Open Manhole	1350
S6.033	o	450	S45	28.180	26.605	1.125	Open Manhole	1350
S6.034	o	450	S46	26.350	24.800	1.100	Open Manhole	1350
S13.000	o	375	S47	27.560	26.260	0.925	Open Manhole	1350
S13.001	o	375	S116	26.600	25.079	1.146	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S11.013	18.905	491.3	S8	39.200	36.380	2.295	Open Manhole	1800
S12.000	34.200	570.0	S142	38.800	37.840	0.510	Open Manhole	1200
S12.001	95.090	2377.2	S100	39.000	37.800	0.750	Open Manhole	1200
S12.002	6.164	21.7	S26	39.320	37.516	1.354	Open Manhole	1350
S12.003	94.186	523.3	S27	39.000	37.336	1.214	Open Manhole	1350
S12.004	26.141	242.6	S27	39.000	37.228	1.322	Open Manhole	1350
S12.005	7.004	242.6	S8	39.200	37.199	1.551	Open Manhole	1800
S6.020	5.529	55.3	S30	39.000	35.200	3.050	Open Manhole	1800
S6.021	2.000	20.0	S102	39.000	35.100	3.075	Open Manhole	1550
S6.022	334.089	-1909.1	S1	36.700	35.275	1.325	Open Manhole	1200
S6.023	92.104	168.1	S2	36.500	34.727	1.473	Open Manhole	1350
S6.024	81.348	241.4	S3	36.500	34.315	1.810	Open Manhole	1350
S6.025	98.594	48.9	S4	34.400	32.300	1.725	Open Manhole	1350
S6.026	100.006	271.0	S39	33.820	31.856	1.514	Open Manhole	1350
S6.027	23.878	26.0	S40	32.711	30.936	1.325	Open Manhole	1350
S6.028	10.318	271.5	S41	32.500	30.898	1.152	Open Manhole	1350
S6.029	28.094	272.7	S42	32.900	30.795	1.655	Open Manhole	1350
S6.030	97.125	262.4	S43	32.000	30.425	1.125	Open Manhole	1350
S6.031	97.627	137.0	S44	31.287	29.712	1.125	Open Manhole	1350
S6.032	94.450	30.4	S45	28.180	26.605	1.125	Open Manhole	1350
S6.033	67.601	37.5	S46	26.350	24.800	1.100	Open Manhole	1350
S6.034	14.858	8.6	S47	26.000	23.072	2.478	Open Manhole	1500
S13.000	69.097	58.5	S116	26.600	25.079	1.146	Open Manhole	1200
S13.001	69.097	58.5	S48	26.600	23.897	2.328	Open Manhole	1350

Sizewell Link Road  
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PIPELINE SCHEDULES for SLR-AB-13

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S13.002	o	375	S48	26.600	23.897	2.328	Open Manhole	1350
S6.035	o	525	S47	26.000	22.997	2.478	Open Manhole	1500
S6.036	o	525	S48	26.880	22.933	3.422	Open Manhole	1500
S14.000	o	300	S49	27.560	26.260	1.000	Open Manhole	1200
S14.001	o	300	S50	27.280	24.990	1.990	Open Manhole	1200
S14.002	o	300	S51	26.620	24.062	2.258	Open Manhole	1200
S6.037	o	525	S49	26.020	22.865	2.630	Open Manhole	1500
S6.038	o	525	S50	24.020	22.370	1.125	Open Manhole	1500
S6.039	o	525	S51	21.460	19.810	1.125	Open Manhole	1500
S6.040	o	525	S52	19.620	17.970	1.125	Open Manhole	1500
S6.041	o	525	S52	17.660	16.010	1.125	Open Manhole	1500
S6.042	o	525	S53	17.200	15.550	1.125	Open Manhole	1500
S15.000	5 \	200	S54	26.320	25.520	0.600	Open Manhole	1200
S15.001	5 \	200	S55	24.400	23.800	0.400	Open Manhole	1200
S15.002	5 \	200	S56	21.360	20.800	0.360	Open Manhole	1200
S15.003	o	300	S57	17.506	16.206	1.000	Open Manhole	1200
S6.043	o	525	S54	15.380	13.654	1.201	Open Manhole	1500
S6.044	o	600	S55	12.000	10.199	1.201	Open Manhole	1500
S6.045	o	600	S56	12.000	10.079	1.321	Open Manhole	1500
S4.028	o	900	S33	11.421	9.129	1.392	Open Manhole	1800
S4.029	o	900	S34	11.421	9.103	1.418	Open Manhole	1800

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S13.002	32.179	42.9	S47	26.000	23.147	2.478	Open Manhole	1500
S6.035	31.220	487.8	S48	26.880	22.933	3.422	Open Manhole	1500
S6.036	30.254	443.5	S49	26.020	22.865	2.630	Open Manhole	1500
S14.000	74.306	58.5	S50	27.280	24.990	1.990	Open Manhole	1200
S14.001	54.232	58.4	S51	26.620	24.062	2.258	Open Manhole	1200
S14.002	28.503	58.5	S49	26.020	23.575	2.145	Open Manhole	1500
S6.037	56.097	113.3	S50	24.020	22.370	1.125	Open Manhole	1500
S6.038	82.710	32.3	S51	21.460	19.810	1.125	Open Manhole	1500
S6.039	60.834	33.1	S52	19.620	17.970	1.125	Open Manhole	1500
S6.040	59.731	30.5	S52	17.660	16.010	1.125	Open Manhole	1500
S6.041	83.142	180.7	S53	17.200	15.550	1.125	Open Manhole	1500
S6.042	3.846	2.0	S54	15.380	13.654	1.201	Open Manhole	1500
S15.000	90.460	52.6	S55	24.400	23.800	0.400	Open Manhole	1200
S15.001	88.512	29.5	S56	21.360	20.800	0.360	Open Manhole	1200
S15.002	85.932	18.7	S57	17.506	16.206	1.100	Open Manhole	1200
S15.003	34.138	14.7	S54	15.380	13.879	1.201	Open Manhole	1500
S6.043	52.815	15.6	S55	12.000	10.274	1.201	Open Manhole	1500
S6.044	60.007	500.0	S56	12.000	10.079	1.321	Open Manhole	1500
S6.045	59.884	92.1	S33	11.421	9.429	1.392	Open Manhole	1800
S4.028	12.893	495.9	S34	11.421	9.103	1.418	Open Manhole	1800
S4.029	32.844	500.0	S35	11.421	9.038	1.483	Open Manhole	1800

Sizewell Link Road  
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PIPELINE SCHEDULES for SLR-AB-13

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S4.030	o	900	S35	11.421	9.038	1.483	Open Manhole	1800
S4.031	o	900	S36	11.421	8.992	1.529	Open Manhole	1800

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S4.030	23.062	500.0	S36	11.421	8.992	1.529	Open Manhole	1800
S4.031	29.025	500.0	S	10.000	8.933	0.167	Open Manhole	0



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Area Summary for SLR-AB-13

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
4.000	User	-	100	0.068	0.068	0.068
	User	-	26	0.097	0.025	0.094
	User	-	50	0.110	0.055	0.149
	User	-	100	0.056	0.056	0.205
4.001	User	-	50	0.133	0.066	0.066
	User	-	26	0.105	0.027	0.094
	User	-	100	0.088	0.088	0.181
4.002	User	-	50	0.093	0.046	0.046
	User	-	26	0.053	0.014	0.060
	User	-	100	0.055	0.055	0.115
4.003	User	-	100	0.070	0.070	0.070
	User	-	50	0.106	0.053	0.123
4.004	User	-	100	0.021	0.021	0.021
4.005	-	-	100	0.000	0.000	0.000
4.006	-	-	100	0.000	0.000	0.000
4.007	User	-	100	0.074	0.074	0.074
	User	-	50	0.103	0.052	0.125
	User	-	26	0.044	0.011	0.137
4.008	User	-	100	0.068	0.068	0.068
	User	-	50	0.113	0.057	0.124
4.009	User	-	50	0.126	0.063	0.063
	User	-	100	0.066	0.066	0.129
4.010	User	-	50	0.083	0.041	0.041
	User	-	100	0.041	0.041	0.083
4.011	User	-	100	0.013	0.013	0.013
4.012	-	-	100	0.000	0.000	0.000
4.013	-	-	100	0.000	0.000	0.000
4.014	User	-	100	0.020	0.020	0.020
	User	-	50	0.076	0.038	0.059
	User	-	26	0.011	0.003	0.062
4.015	User	-	100	0.001	0.001	0.001
4.016	User	-	100	0.059	0.059	0.059
	User	-	26	0.068	0.018	0.076
4.017	User	-	100	0.051	0.051	0.051
	User	-	26	0.123	0.032	0.083
4.018	User	-	100	0.044	0.044	0.044
	User	-	26	0.120	0.031	0.075
4.019	User	-	100	0.038	0.038	0.038
	User	-	26	0.066	0.017	0.055
4.020	User	-	100	0.003	0.003	0.003
5.000	User	-	50	0.027	0.014	0.014
5.001	User	-	50	0.085	0.042	0.042
5.002	User	-	50	0.093	0.046	0.046
5.003	User	-	50	0.110	0.055	0.055
5.004	User	-	50	0.097	0.048	0.048
5.005	-	-	100	0.000	0.000	0.000
4.021	-	-	100	0.000	0.000	0.000
4.022	User	-	100	0.051	0.051	0.051
	User	-	50	0.091	0.045	0.097
	User	-	26	0.025	0.006	0.103
4.023	User	-	100	0.043	0.043	0.043
	User	-	50	0.096	0.048	0.091
4.024	-	-	100	0.000	0.000	0.000
4.025	-	-	100	0.000	0.000	0.000
4.026	-	-	100	0.000	0.000	0.000
4.027	User	-	100	0.041	0.041	0.041
	User	-	26	0.053	0.014	0.055
6.000	User	-	100	0.053	0.053	0.053
	User	-	100	0.092	0.092	0.145
	User	-	50	0.078	0.039	0.185
6.001	User	-	100	0.026	0.026	0.026
	User	-	100	0.032	0.032	0.058
	User	-	50	0.044	0.022	0.080



Sizewell Link Road

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Area Summary for SLR-AB-13

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
6.002	User	-	100	0.009	0.009	0.009
	User	-	100	0.015	0.015	0.025
	User	-	50	0.018	0.009	0.034
6.003	-	-	100	0.000	0.000	0.000
6.004	-	-	100	0.000	0.000	0.000
6.005	User	-	100	0.060	0.060	0.060
	User	-	100	0.050	0.050	0.111
	User	-	100	0.090	0.090	0.200
	User	-	50	0.080	0.040	0.241
6.006	User	-	100	0.047	0.047	0.047
	User	-	100	0.073	0.073	0.120
	User	-	50	0.083	0.042	0.162
6.007	User	-	50	0.098	0.049	0.049
7.000	User	-	100	0.054	0.054	0.054
	User	-	100	0.091	0.091	0.145
	User	-	50	0.114	0.057	0.202
7.001	User	-	100	0.045	0.045	0.045
	User	-	100	0.094	0.094	0.139
	User	-	50	0.088	0.044	0.183
7.002	User	-	100	0.025	0.025	0.025
	User	-	100	0.038	0.038	0.063
	User	-	50	0.055	0.028	0.090
7.003	User	-	100	0.014	0.014	0.014
	User	-	100	0.020	0.020	0.034
	User	-	50	0.031	0.016	0.049
7.004	-	-	100	0.000	0.000	0.000
7.005	-	-	100	0.000	0.000	0.000
7.006	User	-	50	0.127	0.064	0.064
	User	-	100	0.053	0.053	0.116
	User	-	100	0.055	0.055	0.172
7.007	User	-	100	0.082	0.082	0.082
	User	-	50	0.064	0.032	0.114
7.008	User	-	100	0.045	0.045	0.045
	User	-	100	0.038	0.038	0.083
6.008	-	-	100	0.000	0.000	0.000
8.000	User	-	100	0.090	0.090	0.090
	User	-	100	0.028	0.028	0.118
8.001	User	-	100	0.089	0.089	0.089
8.002	User	-	100	0.029	0.029	0.029
8.003	User	-	100	0.074	0.074	0.074
8.004	-	-	100	0.000	0.000	0.000
9.000	User	-	100	0.032	0.032	0.032
9.001	User	-	100	0.080	0.080	0.080
9.002	User	-	100	0.091	0.091	0.091
9.003	User	-	100	0.041	0.041	0.041
9.004	User	-	100	0.033	0.033	0.033
9.005	User	-	100	0.070	0.070	0.070
9.006	User	-	100	0.065	0.065	0.065
9.007	-	-	100	0.000	0.000	0.000
8.005	-	-	100	0.000	0.000	0.000
8.006	-	-	100	0.000	0.000	0.000
8.007	-	-	100	0.000	0.000	0.000
6.009	-	-	100	0.000	0.000	0.000
6.010	-	-	100	0.000	0.000	0.000
6.011	-	-	100	0.000	0.000	0.000
6.012	User	-	50	0.101	0.050	0.050
	User	-	100	0.048	0.048	0.098
	User	-	26	0.096	0.025	0.123
6.013	User	-	26	0.145	0.038	0.038
	User	-	100	0.046	0.046	0.083
	User	-	50	0.100	0.050	0.133
6.014	User	-	100	0.044	0.044	0.044
	User	-	26	0.160	0.042	0.085

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Area Summary for SLR-AB-13

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
	User	-	50	0.097	0.048	0.134
6.015	User	-	26	0.178	0.046	0.046
	User	-	100	0.048	0.048	0.094
	User	-	50	0.103	0.052	0.145
6.016	User	-	26	0.149	0.039	0.039
	User	-	100	0.044	0.044	0.083
	User	-	50	0.104	0.052	0.135
6.017	User	-	100	0.058	0.058	0.058
	User	-	26	0.089	0.023	0.081
	User	-	50	0.066	0.033	0.114
6.018	User	-	100	0.066	0.066	0.066
	User	-	50	0.078	0.039	0.105
	User	-	100	0.031	0.031	0.136
10.000	User	-	100	0.033	0.033	0.033
	User	-	26	0.067	0.017	0.050
	User	-	50	0.080	0.040	0.090
10.001	User	-	100	0.037	0.037	0.037
	User	-	26	0.051	0.013	0.050
	User	-	50	0.088	0.044	0.094
10.002	User	-	100	0.037	0.037	0.037
	User	-	26	0.068	0.018	0.055
	User	-	50	0.096	0.048	0.103
10.003	User	-	100	0.023	0.023	0.023
	User	-	26	0.057	0.015	0.038
	User	-	50	0.066	0.033	0.071
6.019	-	-	100	0.000	0.000	0.000
11.000	User	-	50	0.048	0.024	0.024
	User	-	26	0.054	0.014	0.038
	User	-	100	0.023	0.023	0.061
11.001	User	-	100	0.023	0.023	0.023
	User	-	26	0.062	0.016	0.040
	User	-	50	0.051	0.026	0.065
11.002	User	-	26	0.072	0.019	0.019
	User	-	50	0.049	0.024	0.043
11.003	User	-	50	0.051	0.025	0.025
	User	-	26	0.078	0.020	0.046
	User	-	100	0.022	0.022	0.067
11.004	User	-	26	0.023	0.006	0.006
	User	-	50	0.047	0.024	0.029
	User	-	100	0.078	0.078	0.108
11.005	User	-	50	0.051	0.026	0.026
	User	-	100	0.090	0.090	0.115
	User	-	100	0.025	0.025	0.141
11.006	User	-	50	0.015	0.007	0.007
	User	-	100	0.025	0.025	0.032
	User	-	26	0.007	0.002	0.034
11.007	User	-	100	0.055	0.055	0.055
	User	-	26	0.014	0.004	0.059
	User	-	50	0.027	0.013	0.072
11.008	User	-	50	0.047	0.024	0.024
	User	-	100	0.072	0.072	0.096
	User	-	26	0.024	0.006	0.102
11.009	User	-	26	0.025	0.006	0.006
	User	-	100	0.073	0.073	0.080
	User	-	50	0.052	0.026	0.105
11.010	User	-	50	0.033	0.016	0.016
	User	-	100	0.042	0.042	0.059
	User	-	26	0.014	0.004	0.062
11.011	User	-	50	0.039	0.019	0.019
	User	-	26	0.026	0.007	0.026
	User	-	100	0.068	0.068	0.094
11.012	User	-	50	0.047	0.024	0.024
	User	-	100	0.050	0.050	0.074

Sizewell Link Road

DCO Design Review

SLR-AB-13



Date 30/09/2021

Designed by Daniel James

File SLR-AB-13 p03.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Area Summary for SLR-AB-13

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
	User	-	26	0.023	0.006	0.080
11.013	User	-	100	0.009	0.009	0.009
	User	-	100	0.018	0.018	0.027
	User	-	50	0.018	0.009	0.036
12.000	User	-	26	0.018	0.005	0.005
	User	-	50	0.015	0.007	0.012
12.001	User	-	26	0.073	0.019	0.019
	User	-	100	0.109	0.109	0.128
	User	-	50	0.082	0.041	0.169
12.002	-	-	100	0.000	0.000	0.000
12.003	User	-	100	0.043	0.043	0.043
	User	-	26	0.097	0.025	0.069
	User	-	50	0.074	0.037	0.105
12.004	User	-	26	0.012	0.003	0.003
	User	-	100	0.023	0.023	0.026
	User	-	50	0.027	0.014	0.040
12.005	User	-	100	0.004	0.004	0.004
	User	-	100	0.006	0.006	0.010
	User	-	100	0.008	0.008	0.018
6.020	-	-	100	0.000	0.000	0.000
6.021	-	-	100	0.000	0.000	0.000
6.022	-	-	100	0.000	0.000	0.000
6.023	User	-	100	0.065	0.065	0.065
	User	-	26	0.093	0.024	0.090
	User	-	50	0.112	0.056	0.146
	User	-	100	0.039	0.039	0.185
6.024	User	-	50	0.094	0.047	0.047
	User	-	26	0.078	0.020	0.067
	User	-	100	0.057	0.057	0.124
6.025	User	-	100	0.071	0.071	0.071
	User	-	50	0.127	0.064	0.134
	User	-	26	0.076	0.020	0.154
6.026	User	-	50	0.119	0.059	0.059
	User	-	100	0.072	0.072	0.131
	User	-	26	0.054	0.014	0.145
6.027	-	-	100	0.000	0.000	0.000
6.028	-	-	100	0.000	0.000	0.000
6.029	-	-	100	0.000	0.000	0.000
6.030	User	-	100	0.079	0.079	0.079
	User	-	50	0.113	0.056	0.136
6.031	User	-	50	0.111	0.056	0.056
	User	-	100	0.070	0.070	0.126
6.032	User	-	50	0.111	0.056	0.056
	User	-	100	0.068	0.068	0.124
6.033	User	-	50	0.076	0.038	0.038
	User	-	100	0.052	0.052	0.089
6.034	User	-	100	0.032	0.032	0.032
13.000	User	-	100	0.054	0.054	0.054
13.001	User	-	100	0.092	0.092	0.092
13.002	-	-	100	0.000	0.000	0.000
6.035	-	-	100	0.000	0.000	0.000
6.036	User	-	100	0.085	0.085	0.085
14.000	User	-	100	0.051	0.051	0.051
14.001	User	-	100	0.037	0.037	0.037
14.002	User	-	100	0.009	0.009	0.009
6.037	User	-	100	0.037	0.037	0.037
	User	-	50	0.070	0.035	0.072
6.038	User	-	100	0.081	0.081	0.081
	User	-	100	0.051	0.051	0.132
6.039	User	-	100	0.029	0.029	0.029
6.040	User	-	100	0.071	0.071	0.071
6.041	User	-	100	0.070	0.070	0.070
6.042	-	-	100	0.000	0.000	0.000

.	Sizewell Link Road
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.	SLR-AB-13
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File SLR-AB-13 p03.MDX	Checked by Derek Lord



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Network 2019.1

Area Summary for SLR-AB-13

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
15.000	User	-	50	0.051	0.025	0.025
15.001	User	-	50	0.065	0.032	0.032
15.002	User	-	50	0.071	0.035	0.035
15.003	User	-	50	0.033	0.017	0.017
6.043	User	-	50	0.062	0.031	0.031
	User	-	100	0.039	0.039	0.070
6.044	User	-	50	0.068	0.034	0.034
	User	-	100	0.053	0.053	0.087
6.045	User	-	50	0.067	0.034	0.034
	User	-	100	0.058	0.058	0.091
4.028	-	-	100	0.000	0.000	0.000
4.029	-	-	100	0.000	0.000	0.000
4.030	-	-	100	0.000	0.000	0.000
4.031	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				13.967	9.172	9.172

Sizewell Link Road  
 DCO Design Review  
 SLR-AB-13



Date 30/09/2021  
 File SLR-AB-13 p03.MDX

Designed by Daniel James  
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Network 2019.1

Network Classifications for SLR-AB-13

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S4.000	S5	375	1.390	1.450	Unclassified	1350	0	1.390	Unclassified
S4.001	S6	375	1.450	1.550	Unclassified	1350	0	1.450	Unclassified
S4.002	S7	375	1.350	1.550	Unclassified	1350	0	1.550	Unclassified
S4.003	S8	375	1.350	1.550	Unclassified	1350	0	1.350	Unclassified
S4.004	S9	375	1.050	1.550	Unclassified	1350	0	1.550	Unclassified
S4.005	S10	375	1.050	1.050	Unclassified	1350	0	1.050	Unclassified
S4.006	S11	375	1.050	1.050	Unclassified	1350	0	1.050	Unclassified
S4.007	S12	375	1.050	1.561	Unclassified	1350	0	1.050	Unclassified
S4.008	S13	375	1.050	1.561	Unclassified	1350	0	1.561	Unclassified
S4.009	S14	450	0.975	1.237	Unclassified	1350	0	0.975	Unclassified
S4.010	S15	450	1.237	1.306	Unclassified	1350	0	1.237	Unclassified
S4.011	S16	450	1.050	1.306	Unclassified	1350	0	1.306	Unclassified
S4.012	S17	450	1.050	1.084	Unclassified	1350	0	1.050	Unclassified
S4.013	S18	450	1.084	1.642	Unclassified	1350	0	1.084	Unclassified
S4.014	S19	450	1.642	1.701	Unclassified	1350	0	1.642	Unclassified
S4.015	S20	450	1.050	1.701	Unclassified	1350	0	1.701	Unclassified
S4.016	S21	525	1.050	2.212	Unclassified	1500	0	1.050	Unclassified
S4.017	S22	525	2.055	2.212	Unclassified	1500	0	2.212	Unclassified
S4.018	S23	525	1.050	2.055	Unclassified	1500	0	2.055	Unclassified
S4.019	S24	525	1.050	1.050	Unclassified	1500	0	1.050	Unclassified
S4.020	S25	525	1.050	1.200	Unclassified	1500	0	1.050	Unclassified
S5.000	S26	200	0.218	0.377	Unclassified	1200	0	0.377	Unclassified
S5.001	S27	200	0.218	0.302	Unclassified	1200	0	0.218	Unclassified
S5.002	S28	200	0.302	0.564	Unclassified	1200	0	0.302	Unclassified
S5.003	S29	200	0.349	0.564	Unclassified	1200	0	0.564	Unclassified
S5.004	S30	200	0.349	1.099	Unclassified	1200	0	0.349	Unclassified
S5.005	S31	225	1.074	1.200	Unclassified	1200	0	1.074	Unclassified
S4.021	S26	525	1.200	1.200	Unclassified	1500	0	1.200	Unclassified
S4.022	S27	525	1.200	1.200	Unclassified	1500	0	1.200	Unclassified
S4.023	S28	525	1.200	1.200	Unclassified	1500	0	1.200	Unclassified
S4.024	S29	900	0.825	2.169	Unclassified	1800	0	0.825	Unclassified
S4.025	S30	900	1.880	2.169	Unclassified	1800	0	2.169	Unclassified
S4.026	S31	1200	0.872	1.580	Unclassified	1800	0	1.580	Unclassified
S4.027	S32	1200	0.872	1.092	Unclassified	1800	0	0.872	Unclassified
S6.000	S56	300	1.040	1.199	Unclassified	1200	0	1.040	Unclassified
S6.001	S57	300	1.142	1.199	Unclassified	1200	0	1.199	Unclassified
S6.002	S58	300	1.142	1.320	Unclassified	1200	0	1.142	Unclassified
S6.003	S59	300	1.208	1.320	Unclassified	1200	0	1.320	Unclassified
S6.004	S60	300	1.064	1.208	Unclassified	1200	0	1.208	Unclassified
S6.005	S61	375	1.064	1.257	Unclassified	1350	0	1.064	Unclassified
S6.006	S62	450	1.214	1.257	Unclassified	1350	0	1.257	Unclassified
S6.007	S63	450	0.891	1.214	Unclassified	1350	0	1.214	Unclassified
S7.000	S31	375	0.925	1.026	Unclassified	1350	0	0.925	Unclassified
S7.001	S32	375	0.549	1.026	Unclassified	1350	0	1.026	Unclassified
S7.002	S33	375	0.549	0.784	Unclassified	1350	0	0.549	Unclassified
S7.003	S34	450	0.784	0.834	Unclassified	1350	0	0.784	Unclassified
S7.004	S35	450	0.834	0.888	Unclassified	1350	0	0.834	Unclassified
S7.005	S36	450	0.549	0.888	Unclassified	1350	0	0.888	Unclassified
S7.006	S37	450	0.549	0.741	Unclassified	1350	0	0.549	Unclassified
S7.007	S38	450	0.741	0.846	Unclassified	1350	0	0.741	Unclassified
S7.008	S65	600	1.113	1.186	Unclassified	1500	0	1.113	Unclassified
S6.008	S64	450	0.891	0.903	Unclassified	1350	0	0.891	Unclassified
S8.000	S39	375	0.645	1.223	Unclassified	1350	0	0.645	Unclassified
S8.001	S40	375	1.089	1.223	Unclassified	1350	0	1.223	Unclassified
S8.002	S41	375	0.420	1.089	Unclassified	1350	0	1.089	Unclassified
S8.003	S42	375	0.420	0.740	Unclassified	1350	0	0.420	Unclassified
S8.004	S43	375	0.720	0.788	Unclassified	1350	0	0.720	Unclassified
S9.000	S40	375	0.525	0.975	Unclassified	1200	0	0.525	Unclassified
S9.001	S44	375	0.975	0.975	Unclassified	1350	0	0.975	Unclassified
S9.002	S45	375	0.975	1.176	Unclassified	1350	0	0.975	Unclassified
S9.003	S46	675	0.962	1.924	Unclassified	1500	0	1.924	Unclassified

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Network Classifications for SLR-AB-13

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S9.004	S47	675	0.962	1.006	Unclassified	1500	0	0.962	Unclassified
S9.005	S48	675	1.006	1.431	Unclassified	1500	0	1.006	Unclassified
S9.006	S49	675	1.431	1.711	Unclassified	1500	0	1.431	Unclassified
S9.007	S50	675	1.392	1.711	Unclassified	1500	0	1.711	Unclassified
S8.005	S44	675	0.714	1.392	Unclassified	1500	0	1.392	Unclassified
S8.006	S45	1200	0.714	1.397	Unclassified	2100	0	0.714	Unclassified
S8.007	S34	1200	1.397	1.641	Unclassified	2400	0	1.397	Unclassified
S6.009	S35	1200	0.880	1.641	Unclassified	2100	0	1.641	Unclassified
S6.010	S36	1200	0.880	1.420	Unclassified	2100	0	0.880	Unclassified
S6.011	S37	100	0.900	2.520	Unclassified	1925	0	2.520	Unclassified
S6.012	S1	450	0.442	0.550	Unclassified	1350	0	0.550	Unclassified
S6.013	S2	450	0.442	1.200	Unclassified	1350	0	0.442	Unclassified
S6.014	S3	450	1.200	1.200	Unclassified	1350	0	1.200	Unclassified
S6.015	S4	525	1.125	1.125	Unclassified	1350	0	1.125	Unclassified
S6.016	S5	525	1.125	1.517	Unclassified	1350	0	1.125	Unclassified
S6.017	S6	525	1.592	2.140	Unclassified	1500	0	1.592	Unclassified
S6.018	S7	525	2.140	2.267	Unclassified	1500	0	2.140	Unclassified
S10.000	S84	525	0.175	2.055	Unclassified	1475	0	0.175	Unclassified
S10.001	S23	525	2.055	2.635	Unclassified	1350	0	2.055	Unclassified
S10.002	S8	525	1.895	2.635	Unclassified	1350	0	2.635	Unclassified
S10.003	S9	525	1.895	2.895	Unclassified	1350	0	1.895	Unclassified
S6.019	S7	600	2.820	3.300	Unclassified	1500	0	2.820	Unclassified
S11.000	S8	450	0.900	0.900	Unclassified	1350	0	0.900	Unclassified
S11.001	S9	450	0.900	1.125	Unclassified	1350	0	0.900	Unclassified
S11.002	S10	450	1.125	1.125	Unclassified	1350	0	1.125	Unclassified
S11.003	S11	450	1.125	1.125	Unclassified	1350	0	1.125	Unclassified
S11.004	S12	450	1.125	1.331	Unclassified	1350	0	1.125	Unclassified
S11.005	S13	450	1.193	1.331	Unclassified	1350	0	1.331	Unclassified
S11.006	S14	450	1.193	1.298	Unclassified	1350	0	1.193	Unclassified
S11.007	S15	450	1.298	1.318	Unclassified	1350	0	1.298	Unclassified
S11.008	S16	450	1.318	1.537	Unclassified	1350	0	1.318	Unclassified
S11.009	S17	450	1.537	1.546	Unclassified	1350	0	1.537	Unclassified
S11.010	S18	450	1.546	1.808	Unclassified	1350	0	1.546	Unclassified
S11.011	S19	450	1.808	1.835	Unclassified	1350	0	1.808	Unclassified
S11.012	S20	525	1.835	2.276	Unclassified	1500	0	1.835	Unclassified
S11.013	S21	525	2.276	2.295	Unclassified	1500	0	2.276	Unclassified
S12.000	S99	450	0.250	0.510	Unclassified	1200	0	0.250	Unclassified
S12.001	S142	450	0.510	0.750	Unclassified	1200	0	0.510	Unclassified
S12.002	S100	450	0.750	1.354	Unclassified	1200	0	0.750	Unclassified
S12.003	S26	450	1.214	1.354	Unclassified	1350	0	1.354	Unclassified
S12.004	S27	450	1.214	1.322	Unclassified	1350	0	1.214	Unclassified
S12.005	S27	450	1.322	1.551	Unclassified	1350	0	1.322	Unclassified
S6.020	S8	750	3.050	3.150	Unclassified	1800	0	3.150	Unclassified
S6.021	S30	825	2.975	3.075	Unclassified	1800	0	2.975	Unclassified
S6.022	S102	100	1.325	3.800	Unclassified	1550	0	3.800	Unclassified
S6.023	S1	300	1.125	1.473	Unclassified	1200	0	1.125	Unclassified
S6.024	S2	375	1.473	1.810	Unclassified	1350	0	1.473	Unclassified
S6.025	S3	375	1.725	1.810	Unclassified	1350	0	1.810	Unclassified
S6.026	S4	450	1.514	1.725	Unclassified	1350	0	1.725	Unclassified
S6.027	S39	450	1.325	1.514	Unclassified	1350	0	1.514	Unclassified
S6.028	S40	450	1.152	1.325	Unclassified	1350	0	1.325	Unclassified
S6.029	S41	450	1.152	1.655	Unclassified	1350	0	1.152	Unclassified
S6.030	S42	450	1.125	1.655	Unclassified	1350	0	1.655	Unclassified
S6.031	S43	450	1.125	1.125	Unclassified	1350	0	1.125	Unclassified
S6.032	S44	450	1.125	1.125	Unclassified	1350	0	1.125	Unclassified
S6.033	S45	450	1.100	1.125	Unclassified	1350	0	1.125	Unclassified
S6.034	S46	450	1.100	2.478	Unclassified	1350	0	1.100	Unclassified
S13.000	S47	375	0.925	1.146	Unclassified	1350	0	0.925	Unclassified
S13.001	S116	375	1.146	2.328	Unclassified	1200	0	1.146	Unclassified
S13.002	S48	375	2.328	2.478	Unclassified	1350	0	2.328	Unclassified
S6.035	S47	525	2.478	3.422	Unclassified	1500	0	2.478	Unclassified

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Network Classifications for SLR-AB-13

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S6.036	S48	525	2.630	3.422	Unclassified	1500	0	3.422	Unclassified
S14.000	S49	300	1.000	1.990	Unclassified	1200	0	1.000	Unclassified
S14.001	S50	300	1.990	2.258	Unclassified	1200	0	1.990	Unclassified
S14.002	S51	300	2.145	2.258	Unclassified	1200	0	2.258	Unclassified
S6.037	S49	525	1.125	2.630	Unclassified	1500	0	2.630	Unclassified
S6.038	S50	525	1.125	1.125	Unclassified	1500	0	1.125	Unclassified
S6.039	S51	525	1.125	1.125	Unclassified	1500	0	1.125	Unclassified
S6.040	S52	525	1.125	1.125	Unclassified	1500	0	1.125	Unclassified
S6.041	S52	525	1.125	1.125	Unclassified	1500	0	1.125	Unclassified
S6.042	S53	525	1.125	1.201	Unclassified	1500	0	1.125	Unclassified
S15.000	S54	200	0.400	0.600	Unclassified	1200	0	0.600	Unclassified
S15.001	S55	200	0.360	0.400	Unclassified	1200	0	0.400	Unclassified
S15.002	S56	200	0.360	1.100	Unclassified	1200	0	0.360	Unclassified
S15.003	S57	300	1.000	1.201	Unclassified	1200	0	1.000	Unclassified
S6.043	S54	525	1.201	1.201	Unclassified	1500	0	1.201	Unclassified
S6.044	S55	600	1.201	1.321	Unclassified	1500	0	1.201	Unclassified
S6.045	S56	600	1.321	1.392	Unclassified	1500	0	1.321	Unclassified
S4.028	S33	900	1.392	1.418	Unclassified	1800	0	1.392	Unclassified
S4.029	S34	900	1.418	1.483	Unclassified	1800	0	1.418	Unclassified
S4.030	S35	900	1.483	1.529	Unclassified	1800	0	1.483	Unclassified
S4.031	S36	900	0.167	1.529	Unclassified	1800	0	1.529	Unclassified

Surcharged Outfall Details for SLR-AB-13

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
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S4.031 S 10.000 8.933 0.000 0 0

Datum (m) 0.000 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1	9.800	25	9.800	49	9.800	73	9.800	97	9.800	121	9.800	145	9.800
2	9.800	26	9.800	50	9.800	74	9.800	98	9.800	122	9.800	146	9.800
3	9.800	27	9.800	51	9.800	75	9.800	99	9.800	123	9.800	147	9.800
4	9.800	28	9.800	52	9.800	76	9.800	100	9.800	124	9.800	148	9.800
5	9.800	29	9.800	53	9.800	77	9.800	101	9.800	125	9.800	149	9.800
6	9.800	30	9.800	54	9.800	78	9.800	102	9.800	126	9.800	150	9.800
7	9.800	31	9.800	55	9.800	79	9.800	103	9.800	127	9.800	151	9.800
8	9.800	32	9.800	56	9.800	80	9.800	104	9.800	128	9.800	152	9.800
9	9.800	33	9.800	57	9.800	81	9.800	105	9.800	129	9.800	153	9.800
10	9.800	34	9.800	58	9.800	82	9.800	106	9.800	130	9.800	154	9.800
11	9.800	35	9.800	59	9.800	83	9.800	107	9.800	131	9.800	155	9.800
12	9.800	36	9.800	60	9.800	84	9.800	108	9.800	132	9.800	156	9.800
13	9.800	37	9.800	61	9.800	85	9.800	109	9.800	133	9.800	157	9.800
14	9.800	38	9.800	62	9.800	86	9.800	110	9.800	134	9.800	158	9.800
15	9.800	39	9.800	63	9.800	87	9.800	111	9.800	135	9.800	159	9.800
16	9.800	40	9.800	64	9.800	88	9.800	112	9.800	136	9.800	160	9.800
17	9.800	41	9.800	65	9.800	89	9.800	113	9.800	137	9.800	161	9.800
18	9.800	42	9.800	66	9.800	90	9.800	114	9.800	138	9.800	162	9.800
19	9.800	43	9.800	67	9.800	91	9.800	115	9.800	139	9.800	163	9.800
20	9.800	44	9.800	68	9.800	92	9.800	116	9.800	140	9.800	164	9.800
21	9.800	45	9.800	69	9.800	93	9.800	117	9.800	141	9.800	165	9.800
22	9.800	46	9.800	70	9.800	94	9.800	118	9.800	142	9.800	166	9.800
23	9.800	47	9.800	71	9.800	95	9.800	119	9.800	143	9.800	167	9.800
24	9.800	48	9.800	72	9.800	96	9.800	120	9.800	144	9.800	168	9.800



Sizewell Link Road  
 DCO Design Review  
 SLR-AB-13



Date 30/09/2021  
 File SLR-AB-13 p03.MDX

Designed by Daniel James  
 Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
217	9.800	279	9.800	341	9.800	403	9.800	465	9.800	527	9.800	589	9.800	651	9.800
218	9.800	280	9.800	342	9.800	404	9.800	466	9.800	528	9.800	590	9.800	652	9.800
219	9.800	281	9.800	343	9.800	405	9.800	467	9.800	529	9.800	591	9.800	653	9.800
220	9.800	282	9.800	344	9.800	406	9.800	468	9.800	530	9.800	592	9.800	654	9.800
221	9.800	283	9.800	345	9.800	407	9.800	469	9.800	531	9.800	593	9.800	655	9.800
222	9.800	284	9.800	346	9.800	408	9.800	470	9.800	532	9.800	594	9.800	656	9.800
223	9.800	285	9.800	347	9.800	409	9.800	471	9.800	533	9.800	595	9.800	657	9.800
224	9.800	286	9.800	348	9.800	410	9.800	472	9.800	534	9.800	596	9.800	658	9.800
225	9.800	287	9.800	349	9.800	411	9.800	473	9.800	535	9.800	597	9.800	659	9.800
226	9.800	288	9.800	350	9.800	412	9.800	474	9.800	536	9.800	598	9.800	660	9.800
227	9.800	289	9.800	351	9.800	413	9.800	475	9.800	537	9.800	599	9.800	661	9.800
228	9.800	290	9.800	352	9.800	414	9.800	476	9.800	538	9.800	600	9.800	662	9.800
229	9.800	291	9.800	353	9.800	415	9.800	477	9.800	539	9.800	601	9.800	663	9.800
230	9.800	292	9.800	354	9.800	416	9.800	478	9.800	540	9.800	602	9.800	664	9.800
231	9.800	293	9.800	355	9.800	417	9.800	479	9.800	541	9.800	603	9.800	665	9.800
232	9.800	294	9.800	356	9.800	418	9.800	480	9.800	542	9.800	604	9.800	666	9.800
233	9.800	295	9.800	357	9.800	419	9.800	481	9.800	543	9.800	605	9.800	667	9.800
234	9.800	296	9.800	358	9.800	420	9.800	482	9.800	544	9.800	606	9.800	668	9.800
235	9.800	297	9.800	359	9.800	421	9.800	483	9.800	545	9.800	607	9.800	669	9.800
236	9.800	298	9.800	360	9.800	422	9.800	484	9.800	546	9.800	608	9.800	670	9.800
237	9.800	299	9.800	361	9.800	423	9.800	485	9.800	547	9.800	609	9.800	671	9.800
238	9.800	300	9.800	362	9.800	424	9.800	486	9.800	548	9.800	610	9.800	672	9.800
239	9.800	301	9.800	363	9.800	425	9.800	487	9.800	549	9.800	611	9.800	673	9.800
240	9.800	302	9.800	364	9.800	426	9.800	488	9.800	550	9.800	612	9.800	674	9.800
241	9.800	303	9.800	365	9.800	427	9.800	489	9.800	551	9.800	613	9.800	675	9.800
242	9.800	304	9.800	366	9.800	428	9.800	490	9.800	552	9.800	614	9.800	676	9.800
243	9.800	305	9.800	367	9.800	429	9.800	491	9.800	553	9.800	615	9.800	677	9.800
244	9.800	306	9.800	368	9.800	430	9.800	492	9.800	554	9.800	616	9.800	678	9.800
245	9.800	307	9.800	369	9.800	431	9.800	493	9.800	555	9.800	617	9.800	679	9.800
246	9.800	308	9.800	370	9.800	432	9.800	494	9.800	556	9.800	618	9.800	680	9.800
247	9.800	309	9.800	371	9.800	433	9.800	495	9.800	557	9.800	619	9.800	681	9.800
248	9.800	310	9.800	372	9.800	434	9.800	496	9.800	558	9.800	620	9.800	682	9.800
249	9.800	311	9.800	373	9.800	435	9.800	497	9.800	559	9.800	621	9.800	683	9.800
250	9.800	312	9.800	374	9.800	436	9.800	498	9.800	560	9.800	622	9.800	684	9.800
251	9.800	313	9.800	375	9.800	437	9.800	499	9.800	561	9.800	623	9.800	685	9.800
252	9.800	314	9.800	376	9.800	438	9.800	500	9.800	562	9.800	624	9.800	686	9.800
253	9.800	315	9.800	377	9.800	439	9.800	501	9.800	563	9.800	625	9.800	687	9.800
254	9.800	316	9.800	378	9.800	440	9.800	502	9.800	564	9.800	626	9.800	688	9.800
255	9.800	317	9.800	379	9.800	441	9.800	503	9.800	565	9.800	627	9.800	689	9.800
256	9.800	318	9.800	380	9.800	442	9.800	504	9.800	566	9.800	628	9.800	690	9.800
257	9.800	319	9.800	381	9.800	443	9.800	505	9.800	567	9.800	629	9.800	691	9.800
258	9.800	320	9.800	382	9.800	444	9.800	506	9.800	568	9.800	630	9.800	692	9.800
259	9.800	321	9.800	383	9.800	445	9.800	507	9.800	569	9.800	631	9.800	693	9.800
260	9.800	322	9.800	384	9.800	446	9.800	508	9.800	570	9.800	632	9.800	694	9.800
261	9.800	323	9.800	385	9.800	447	9.800	509	9.800	571	9.800	633	9.800	695	9.800
262	9.800	324	9.800	386	9.800	448	9.800	510	9.800	572	9.800	634	9.800	696	9.800
263	9.800	325	9.800	387	9.800	449	9.800	511	9.800	573	9.800	635	9.800	697	9.800
264	9.800	326	9.800	388	9.800	450	9.800	512	9.800	574	9.800	636	9.800	698	9.800
265	9.800	327	9.800	389	9.800	451	9.800	513	9.800	575	9.800	637	9.800	699	9.800
266	9.800	328	9.800	390	9.800	452	9.800	514	9.800	576	9.800	638	9.800	700	9.800
267	9.800	329	9.800	391	9.800	453	9.800	515	9.800	577	9.800	639	9.800	701	9.800
268	9.800	330	9.800	392	9.800	454	9.800	516	9.800	578	9.800	640	9.800	702	9.800
269	9.800	331	9.800	393	9.800	455	9.800	517	9.800	579	9.800	641	9.800	703	9.800
270	9.800	332	9.800	394	9.800	456	9.800	518	9.800	580	9.800	642	9.800	704	9.800
271	9.800	333	9.800	395	9.800	457	9.800	519	9.800	581	9.800	643	9.800	705	9.800
272	9.800	334	9.800	396	9.800	458	9.800	520	9.800	582	9.800	644	9.800	706	9.800
273	9.800	335	9.800	397	9.800	459	9.800	521	9.800	583	9.800	645	9.800	707	9.800
274	9.800	336	9.800	398	9.800	460	9.800	522	9.800	584	9.800	646	9.800	708	9.800
275	9.800	337	9.800	399	9.800	461	9.800	523	9.800	585	9.800	647	9.800	709	9.800
276	9.800	338	9.800	400	9.800	462	9.800	524	9.800	586	9.800	648	9.800	710	9.800
277	9.800	339	9.800	401	9.800	463	9.800	525	9.800	587	9.800	649	9.800	711	9.800
278	9.800	340	9.800	402	9.800	464	9.800	526	9.800	588	9.800	650	9.800	712	9.800



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Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
775	9.800	837	9.800	899	9.800	961	9.800	1023	9.800	1085	9.800	1147	9.800	1209	9.800
776	9.800	838	9.800	900	9.800	962	9.800	1024	9.800	1086	9.800	1148	9.800	1210	9.800
777	9.800	839	9.800	901	9.800	963	9.800	1025	9.800	1087	9.800	1149	9.800	1211	9.800
778	9.800	840	9.800	902	9.800	964	9.800	1026	9.800	1088	9.800	1150	9.800	1212	9.800
779	9.800	841	9.800	903	9.800	965	9.800	1027	9.800	1089	9.800	1151	9.800	1213	9.800
780	9.800	842	9.800	904	9.800	966	9.800	1028	9.800	1090	9.800	1152	9.800	1214	9.800
781	9.800	843	9.800	905	9.800	967	9.800	1029	9.800	1091	9.800	1153	9.800	1215	9.800
782	9.800	844	9.800	906	9.800	968	9.800	1030	9.800	1092	9.800	1154	9.800	1216	9.800
783	9.800	845	9.800	907	9.800	969	9.800	1031	9.800	1093	9.800	1155	9.800	1217	9.800
784	9.800	846	9.800	908	9.800	970	9.800	1032	9.800	1094	9.800	1156	9.800	1218	9.800
785	9.800	847	9.800	909	9.800	971	9.800	1033	9.800	1095	9.800	1157	9.800	1219	9.800
786	9.800	848	9.800	910	9.800	972	9.800	1034	9.800	1096	9.800	1158	9.800	1220	9.800
787	9.800	849	9.800	911	9.800	973	9.800	1035	9.800	1097	9.800	1159	9.800	1221	9.800
788	9.800	850	9.800	912	9.800	974	9.800	1036	9.800	1098	9.800	1160	9.800	1222	9.800
789	9.800	851	9.800	913	9.800	975	9.800	1037	9.800	1099	9.800	1161	9.800	1223	9.800
790	9.800	852	9.800	914	9.800	976	9.800	1038	9.800	1100	9.800	1162	9.800	1224	9.800
791	9.800	853	9.800	915	9.800	977	9.800	1039	9.800	1101	9.800	1163	9.800	1225	9.800
792	9.800	854	9.800	916	9.800	978	9.800	1040	9.800	1102	9.800	1164	9.800	1226	9.800
793	9.800	855	9.800	917	9.800	979	9.800	1041	9.800	1103	9.800	1165	9.800	1227	9.800
794	9.800	856	9.800	918	9.800	980	9.800	1042	9.800	1104	9.800	1166	9.800	1228	9.800
795	9.800	857	9.800	919	9.800	981	9.800	1043	9.800	1105	9.800	1167	9.800	1229	9.800
796	9.800	858	9.800	920	9.800	982	9.800	1044	9.800	1106	9.800	1168	9.800	1230	9.800
797	9.800	859	9.800	921	9.800	983	9.800	1045	9.800	1107	9.800	1169	9.800	1231	9.800
798	9.800	860	9.800	922	9.800	984	9.800	1046	9.800	1108	9.800	1170	9.800	1232	9.800
799	9.800	861	9.800	923	9.800	985	9.800	1047	9.800	1109	9.800	1171	9.800	1233	9.800
800	9.800	862	9.800	924	9.800	986	9.800	1048	9.800	1110	9.800	1172	9.800	1234	9.800
801	9.800	863	9.800	925	9.800	987	9.800	1049	9.800	1111	9.800	1173	9.800	1235	9.800
802	9.800	864	9.800	926	9.800	988	9.800	1050	9.800	1112	9.800	1174	9.800	1236	9.800
803	9.800	865	9.800	927	9.800	989	9.800	1051	9.800	1113	9.800	1175	9.800	1237	9.800
804	9.800	866	9.800	928	9.800	990	9.800	1052	9.800	1114	9.800	1176	9.800	1238	9.800
805	9.800	867	9.800	929	9.800	991	9.800	1053	9.800	1115	9.800	1177	9.800	1239	9.800
806	9.800	868	9.800	930	9.800	992	9.800	1054	9.800	1116	9.800	1178	9.800	1240	9.800
807	9.800	869	9.800	931	9.800	993	9.800	1055	9.800	1117	9.800	1179	9.800	1241	9.800
808	9.800	870	9.800	932	9.800	994	9.800	1056	9.800	1118	9.800	1180	9.800	1242	9.800
809	9.800	871	9.800	933	9.800	995	9.800	1057	9.800	1119	9.800	1181	9.800	1243	9.800
810	9.800	872	9.800	934	9.800	996	9.800	1058	9.800	1120	9.800	1182	9.800	1244	9.800
811	9.800	873	9.800	935	9.800	997	9.800	1059	9.800	1121	9.800	1183	9.800	1245	9.800
812	9.800	874	9.800	936	9.800	998	9.800	1060	9.800	1122	9.800	1184	9.800	1246	9.800
813	9.800	875	9.800	937	9.800	999	9.800	1061	9.800	1123	9.800	1185	9.800	1247	9.800
814	9.800	876	9.800	938	9.800	1000	9.800	1062	9.800	1124	9.800	1186	9.800	1248	9.800
815	9.800	877	9.800	939	9.800	1001	9.800	1063	9.800	1125	9.800	1187	9.800	1249	9.800
816	9.800	878	9.800	940	9.800	1002	9.800	1064	9.800	1126	9.800	1188	9.800	1250	9.800
817	9.800	879	9.800	941	9.800	1003	9.800	1065	9.800	1127	9.800	1189	9.800	1251	9.800
818	9.800	880	9.800	942	9.800	1004	9.800	1066	9.800	1128	9.800	1190	9.800	1252	9.800
819	9.800	881	9.800	943	9.800	1005	9.800	1067	9.800	1129	9.800	1191	9.800	1253	9.800
820	9.800	882	9.800	944	9.800	1006	9.800	1068	9.800	1130	9.800	1192	9.800	1254	9.800
821	9.800	883	9.800	945	9.800	1007	9.800	1069	9.800	1131	9.800	1193	9.800	1255	9.800
822	9.800	884	9.800	946	9.800	1008	9.800	1070	9.800	1132	9.800	1194	9.800	1256	9.800
823	9.800	885	9.800	947	9.800	1009	9.800	1071	9.800	1133	9.800	1195	9.800	1257	9.800
824	9.800	886	9.800	948	9.800	1010	9.800	1072	9.800	1134	9.800	1196	9.800	1258	9.800
825	9.800	887	9.800	949	9.800	1011	9.800	1073	9.800	1135	9.800	1197	9.800	1259	9.800
826	9.800	888	9.800	950	9.800	1012	9.800	1074	9.800	1136	9.800	1198	9.800	1260	9.800
827	9.800	889	9.800	951	9.800	1013	9.800	1075	9.800	1137	9.800	1199	9.800	1261	9.800
828	9.800	890	9.800	952	9.800	1014	9.800	1076	9.800	1138	9.800	1200	9.800	1262	9.800
829	9.800	891	9.800	953	9.800	1015	9.800	1077	9.800	1139	9.800	1201	9.800	1263	9.800
830	9.800	892	9.800	954	9.800	1016	9.800	1078	9.800	1140	9.800	1202	9.800	1264	9.800
831	9.800	893	9.800	955	9.800	1017	9.800	1079	9.800	1141	9.800	1203	9.800	1265	9.800
832	9.800	894	9.800	956	9.800	1018	9.800	1080	9.800	1142	9.800	1204	9.800	1266	9.800
833	9.800	895	9.800	957	9.800	1019	9.800	1081	9.800	1143	9.800	1205	9.800	1267	9.800
834	9.800	896	9.800	958	9.800	1020	9.800	1082	9.800	1144	9.800	1206	9.800	1268	9.800
835	9.800	897	9.800	959	9.800	1021	9.800	1083	9.800	1145	9.800	1207	9.800	1269	9.800
836	9.800	898	9.800	960	9.800	1022	9.800	1084	9.800	1146	9.800	1208	9.800	1270	9.800

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Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1333	9.800	1395	9.800	1457	9.800	1519	9.800	1581	9.800	1643	9.800	1705	9.800	1767	9.800
1334	9.800	1396	9.800	1458	9.800	1520	9.800	1582	9.800	1644	9.800	1706	9.800	1768	9.800
1335	9.800	1397	9.800	1459	9.800	1521	9.800	1583	9.800	1645	9.800	1707	9.800	1769	9.800
1336	9.800	1398	9.800	1460	9.800	1522	9.800	1584	9.800	1646	9.800	1708	9.800	1770	9.800
1337	9.800	1399	9.800	1461	9.800	1523	9.800	1585	9.800	1647	9.800	1709	9.800	1771	9.800
1338	9.800	1400	9.800	1462	9.800	1524	9.800	1586	9.800	1648	9.800	1710	9.800	1772	9.800
1339	9.800	1401	9.800	1463	9.800	1525	9.800	1587	9.800	1649	9.800	1711	9.800	1773	9.800
1340	9.800	1402	9.800	1464	9.800	1526	9.800	1588	9.800	1650	9.800	1712	9.800	1774	9.800
1341	9.800	1403	9.800	1465	9.800	1527	9.800	1589	9.800	1651	9.800	1713	9.800	1775	9.800
1342	9.800	1404	9.800	1466	9.800	1528	9.800	1590	9.800	1652	9.800	1714	9.800	1776	9.800
1343	9.800	1405	9.800	1467	9.800	1529	9.800	1591	9.800	1653	9.800	1715	9.800	1777	9.800
1344	9.800	1406	9.800	1468	9.800	1530	9.800	1592	9.800	1654	9.800	1716	9.800	1778	9.800
1345	9.800	1407	9.800	1469	9.800	1531	9.800	1593	9.800	1655	9.800	1717	9.800	1779	9.800
1346	9.800	1408	9.800	1470	9.800	1532	9.800	1594	9.800	1656	9.800	1718	9.800	1780	9.800
1347	9.800	1409	9.800	1471	9.800	1533	9.800	1595	9.800	1657	9.800	1719	9.800	1781	9.800
1348	9.800	1410	9.800	1472	9.800	1534	9.800	1596	9.800	1658	9.800	1720	9.800	1782	9.800
1349	9.800	1411	9.800	1473	9.800	1535	9.800	1597	9.800	1659	9.800	1721	9.800	1783	9.800
1350	9.800	1412	9.800	1474	9.800	1536	9.800	1598	9.800	1660	9.800	1722	9.800	1784	9.800
1351	9.800	1413	9.800	1475	9.800	1537	9.800	1599	9.800	1661	9.800	1723	9.800	1785	9.800
1352	9.800	1414	9.800	1476	9.800	1538	9.800	1600	9.800	1662	9.800	1724	9.800	1786	9.800
1353	9.800	1415	9.800	1477	9.800	1539	9.800	1601	9.800	1663	9.800	1725	9.800	1787	9.800
1354	9.800	1416	9.800	1478	9.800	1540	9.800	1602	9.800	1664	9.800	1726	9.800	1788	9.800
1355	9.800	1417	9.800	1479	9.800	1541	9.800	1603	9.800	1665	9.800	1727	9.800	1789	9.800
1356	9.800	1418	9.800	1480	9.800	1542	9.800	1604	9.800	1666	9.800	1728	9.800	1790	9.800
1357	9.800	1419	9.800	1481	9.800	1543	9.800	1605	9.800	1667	9.800	1729	9.800	1791	9.800
1358	9.800	1420	9.800	1482	9.800	1544	9.800	1606	9.800	1668	9.800	1730	9.800	1792	9.800
1359	9.800	1421	9.800	1483	9.800	1545	9.800	1607	9.800	1669	9.800	1731	9.800	1793	9.800
1360	9.800	1422	9.800	1484	9.800	1546	9.800	1608	9.800	1670	9.800	1732	9.800	1794	9.800
1361	9.800	1423	9.800	1485	9.800	1547	9.800	1609	9.800	1671	9.800	1733	9.800	1795	9.800
1362	9.800	1424	9.800	1486	9.800	1548	9.800	1610	9.800	1672	9.800	1734	9.800	1796	9.800
1363	9.800	1425	9.800	1487	9.800	1549	9.800	1611	9.800	1673	9.800	1735	9.800	1797	9.800
1364	9.800	1426	9.800	1488	9.800	1550	9.800	1612	9.800	1674	9.800	1736	9.800	1798	9.800
1365	9.800	1427	9.800	1489	9.800	1551	9.800	1613	9.800	1675	9.800	1737	9.800	1799	9.800
1366	9.800	1428	9.800	1490	9.800	1552	9.800	1614	9.800	1676	9.800	1738	9.800	1800	9.800
1367	9.800	1429	9.800	1491	9.800	1553	9.800	1615	9.800	1677	9.800	1739	9.800	1801	9.800
1368	9.800	1430	9.800	1492	9.800	1554	9.800	1616	9.800	1678	9.800	1740	9.800	1802	9.800
1369	9.800	1431	9.800	1493	9.800	1555	9.800	1617	9.800	1679	9.800	1741	9.800	1803	9.800
1370	9.800	1432	9.800	1494	9.800	1556	9.800	1618	9.800	1680	9.800	1742	9.800	1804	9.800
1371	9.800	1433	9.800	1495	9.800	1557	9.800	1619	9.800	1681	9.800	1743	9.800	1805	9.800
1372	9.800	1434	9.800	1496	9.800	1558	9.800	1620	9.800	1682	9.800	1744	9.800	1806	9.800
1373	9.800	1435	9.800	1497	9.800	1559	9.800	1621	9.800	1683	9.800	1745	9.800	1807	9.800
1374	9.800	1436	9.800	1498	9.800	1560	9.800	1622	9.800	1684	9.800	1746	9.800	1808	9.800
1375	9.800	1437	9.800	1499	9.800	1561	9.800	1623	9.800	1685	9.800	1747	9.800	1809	9.800
1376	9.800	1438	9.800	1500	9.800	1562	9.800	1624	9.800	1686	9.800	1748	9.800	1810	9.800
1377	9.800	1439	9.800	1501	9.800	1563	9.800	1625	9.800	1687	9.800	1749	9.800	1811	9.800
1378	9.800	1440	9.800	1502	9.800	1564	9.800	1626	9.800	1688	9.800	1750	9.800	1812	9.800
1379	9.800	1441	9.800	1503	9.800	1565	9.800	1627	9.800	1689	9.800	1751	9.800	1813	9.800
1380	9.800	1442	9.800	1504	9.800	1566	9.800	1628	9.800	1690	9.800	1752	9.800	1814	9.800
1381	9.800	1443	9.800	1505	9.800	1567	9.800	1629	9.800	1691	9.800	1753	9.800	1815	9.800
1382	9.800	1444	9.800	1506	9.800	1568	9.800	1630	9.800	1692	9.800	1754	9.800	1816	9.800
1383	9.800	1445	9.800	1507	9.800	1569	9.800	1631	9.800	1693	9.800	1755	9.800	1817	9.800
1384	9.800	1446	9.800	1508	9.800	1570	9.800	1632	9.800	1694	9.800	1756	9.800	1818	9.800
1385	9.800	1447	9.800	1509	9.800	1571	9.800	1633	9.800	1695	9.800	1757	9.800	1819	9.800
1386	9.800	1448	9.800	1510	9.800	1572	9.800	1634	9.800	1696	9.800	1758	9.800	1820	9.800
1387	9.800	1449	9.800	1511	9.800	1573	9.800	1635	9.800	1697	9.800	1759	9.800	1821	9.800
1388	9.800	1450	9.800	1512	9.800	1574	9.800	1636	9.800	1698	9.800	1760	9.800	1822	9.800
1389	9.800	1451	9.800	1513	9.800	1575	9.800	1637	9.800	1699	9.800	1761	9.800	1823	9.800
1390	9.800	1452	9.800	1514	9.800	1576	9.800	1638	9.800	1700	9.800	1762	9.800	1824	9.800
1391	9.800	1453	9.800	1515	9.800	1577	9.800	1639	9.800	1701	9.800	1763	9.800	1825	9.800
1392	9.800	1454	9.800	1516	9.800	1578	9.800	1640	9.800	1702	9.800	1764	9.800	1826	9.800
1393	9.800	1455	9.800	1517	9.800	1579	9.800	1641	9.800	1703	9.800	1765	9.800	1827	9.800
1394	9.800	1456	9.800	1518	9.800	1580	9.800	1642	9.800	1704	9.800	1766	9.800	1828	9.800

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1891	9.800	1953	9.800	2015	9.800	2077	9.800	2139	9.800	2201	9.800	2263	9.800	2325	9.800
1892	9.800	1954	9.800	2016	9.800	2078	9.800	2140	9.800	2202	9.800	2264	9.800	2326	9.800
1893	9.800	1955	9.800	2017	9.800	2079	9.800	2141	9.800	2203	9.800	2265	9.800	2327	9.800
1894	9.800	1956	9.800	2018	9.800	2080	9.800	2142	9.800	2204	9.800	2266	9.800	2328	9.800
1895	9.800	1957	9.800	2019	9.800	2081	9.800	2143	9.800	2205	9.800	2267	9.800	2329	9.800
1896	9.800	1958	9.800	2020	9.800	2082	9.800	2144	9.800	2206	9.800	2268	9.800	2330	9.800
1897	9.800	1959	9.800	2021	9.800	2083	9.800	2145	9.800	2207	9.800	2269	9.800	2331	9.800
1898	9.800	1960	9.800	2022	9.800	2084	9.800	2146	9.800	2208	9.800	2270	9.800	2332	9.800
1899	9.800	1961	9.800	2023	9.800	2085	9.800	2147	9.800	2209	9.800	2271	9.800	2333	9.800
1900	9.800	1962	9.800	2024	9.800	2086	9.800	2148	9.800	2210	9.800	2272	9.800	2334	9.800
1901	9.800	1963	9.800	2025	9.800	2087	9.800	2149	9.800	2211	9.800	2273	9.800	2335	9.800
1902	9.800	1964	9.800	2026	9.800	2088	9.800	2150	9.800	2212	9.800	2274	9.800	2336	9.800
1903	9.800	1965	9.800	2027	9.800	2089	9.800	2151	9.800	2213	9.800	2275	9.800	2337	9.800
1904	9.800	1966	9.800	2028	9.800	2090	9.800	2152	9.800	2214	9.800	2276	9.800	2338	9.800
1905	9.800	1967	9.800	2029	9.800	2091	9.800	2153	9.800	2215	9.800	2277	9.800	2339	9.800
1906	9.800	1968	9.800	2030	9.800	2092	9.800	2154	9.800	2216	9.800	2278	9.800	2340	9.800
1907	9.800	1969	9.800	2031	9.800	2093	9.800	2155	9.800	2217	9.800	2279	9.800	2341	9.800
1908	9.800	1970	9.800	2032	9.800	2094	9.800	2156	9.800	2218	9.800	2280	9.800	2342	9.800
1909	9.800	1971	9.800	2033	9.800	2095	9.800	2157	9.800	2219	9.800	2281	9.800	2343	9.800
1910	9.800	1972	9.800	2034	9.800	2096	9.800	2158	9.800	2220	9.800	2282	9.800	2344	9.800
1911	9.800	1973	9.800	2035	9.800	2097	9.800	2159	9.800	2221	9.800	2283	9.800	2345	9.800
1912	9.800	1974	9.800	2036	9.800	2098	9.800	2160	9.800	2222	9.800	2284	9.800	2346	9.800
1913	9.800	1975	9.800	2037	9.800	2099	9.800	2161	9.800	2223	9.800	2285	9.800	2347	9.800
1914	9.800	1976	9.800	2038	9.800	2100	9.800	2162	9.800	2224	9.800	2286	9.800	2348	9.800
1915	9.800	1977	9.800	2039	9.800	2101	9.800	2163	9.800	2225	9.800	2287	9.800	2349	9.800
1916	9.800	1978	9.800	2040	9.800	2102	9.800	2164	9.800	2226	9.800	2288	9.800	2350	9.800
1917	9.800	1979	9.800	2041	9.800	2103	9.800	2165	9.800	2227	9.800	2289	9.800	2351	9.800
1918	9.800	1980	9.800	2042	9.800	2104	9.800	2166	9.800	2228	9.800	2290	9.800	2352	9.800
1919	9.800	1981	9.800	2043	9.800	2105	9.800	2167	9.800	2229	9.800	2291	9.800	2353	9.800
1920	9.800	1982	9.800	2044	9.800	2106	9.800	2168	9.800	2230	9.800	2292	9.800	2354	9.800
1921	9.800	1983	9.800	2045	9.800	2107	9.800	2169	9.800	2231	9.800	2293	9.800	2355	9.800
1922	9.800	1984	9.800	2046	9.800	2108	9.800	2170	9.800	2232	9.800	2294	9.800	2356	9.800
1923	9.800	1985	9.800	2047	9.800	2109	9.800	2171	9.800	2233	9.800	2295	9.800	2357	9.800
1924	9.800	1986	9.800	2048	9.800	2110	9.800	2172	9.800	2234	9.800	2296	9.800	2358	9.800
1925	9.800	1987	9.800	2049	9.800	2111	9.800	2173	9.800	2235	9.800	2297	9.800	2359	9.800
1926	9.800	1988	9.800	2050	9.800	2112	9.800	2174	9.800	2236	9.800	2298	9.800	2360	9.800
1927	9.800	1989	9.800	2051	9.800	2113	9.800	2175	9.800	2237	9.800	2299	9.800	2361	9.800
1928	9.800	1990	9.800	2052	9.800	2114	9.800	2176	9.800	2238	9.800	2300	9.800	2362	9.800
1929	9.800	1991	9.800	2053	9.800	2115	9.800	2177	9.800	2239	9.800	2301	9.800	2363	9.800
1930	9.800	1992	9.800	2054	9.800	2116	9.800	2178	9.800	2240	9.800	2302	9.800	2364	9.800
1931	9.800	1993	9.800	2055	9.800	2117	9.800	2179	9.800	2241	9.800	2303	9.800	2365	9.800
1932	9.800	1994	9.800	2056	9.800	2118	9.800	2180	9.800	2242	9.800	2304	9.800	2366	9.800
1933	9.800	1995	9.800	2057	9.800	2119	9.800	2181	9.800	2243	9.800	2305	9.800	2367	9.800
1934	9.800	1996	9.800	2058	9.800	2120	9.800	2182	9.800	2244	9.800	2306	9.800	2368	9.800
1935	9.800	1997	9.800	2059	9.800	2121	9.800	2183	9.800	2245	9.800	2307	9.800	2369	9.800
1936	9.800	1998	9.800	2060	9.800	2122	9.800	2184	9.800	2246	9.800	2308	9.800	2370	9.800
1937	9.800	1999	9.800	2061	9.800	2123	9.800	2185	9.800	2247	9.800	2309	9.800	2371	9.800
1938	9.800	2000	9.800	2062	9.800	2124	9.800	2186	9.800	2248	9.800	2310	9.800	2372	9.800
1939	9.800	2001	9.800	2063	9.800	2125	9.800	2187	9.800	2249	9.800	2311	9.800	2373	9.800
1940	9.800	2002	9.800	2064	9.800	2126	9.800	2188	9.800	2250	9.800	2312	9.800	2374	9.800
1941	9.800	2003	9.800	2065	9.800	2127	9.800	2189	9.800	2251	9.800	2313	9.800	2375	9.800
1942	9.800	2004	9.800	2066	9.800	2128	9.800	2190	9.800	2252	9.800	2314	9.800	2376	9.800
1943	9.800	2005	9.800	2067	9.800	2129	9.800	2191	9.800	2253	9.800	2315	9.800	2377	9.800
1944	9.800	2006	9.800	2068	9.800	2130	9.800	2192	9.800	2254	9.800	2316	9.800	2378	9.800
1945	9.800	2007	9.800	2069	9.800	2131	9.800	2193	9.800	2255	9.800	2317	9.800	2379	9.800
1946	9.800	2008	9.800	2070	9.800	2132	9.800	2194	9.800	2256	9.800	2318	9.800	2380	9.800
1947	9.800	2009	9.800	2071	9.800	2133	9.800	2195	9.800	2257	9.800	2319	9.800	2381	9.800
1948	9.800	2010	9.800	2072	9.800	2134	9.800	2196	9.800	2258	9.800	2320	9.800	2382	9.800
1949	9.800	2011	9.800	2073	9.800	2135	9.800	2197	9.800	2259	9.800	2321	9.800	2383	9.800
1950	9.800	2012	9.800	2074	9.800	2136	9.800	2198	9.800	2260	9.800	2322	9.800	2384	9.800
1951	9.800	2013	9.800	2075	9.800	2137	9.800	2199	9.800	2261	9.800	2323	9.800	2385	9.800
1952	9.800	2014	9.800	2076	9.800	2138	9.800	2200	9.800	2262	9.800	2324	9.800	2386	9.800

Sizewell Link Road  
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Designed by Daniel James  
 Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2449	9.800	2511	9.800	2573	9.800	2635	9.800	2697	9.800	2759	9.800	2821	9.800	2883	9.800
2450	9.800	2512	9.800	2574	9.800	2636	9.800	2698	9.800	2760	9.800	2822	9.800	2884	9.800
2451	9.800	2513	9.800	2575	9.800	2637	9.800	2699	9.800	2761	9.800	2823	9.800	2885	9.800
2452	9.800	2514	9.800	2576	9.800	2638	9.800	2700	9.800	2762	9.800	2824	9.800	2886	9.800
2453	9.800	2515	9.800	2577	9.800	2639	9.800	2701	9.800	2763	9.800	2825	9.800	2887	9.800
2454	9.800	2516	9.800	2578	9.800	2640	9.800	2702	9.800	2764	9.800	2826	9.800	2888	9.800
2455	9.800	2517	9.800	2579	9.800	2641	9.800	2703	9.800	2765	9.800	2827	9.800	2889	9.800
2456	9.800	2518	9.800	2580	9.800	2642	9.800	2704	9.800	2766	9.800	2828	9.800	2890	9.800
2457	9.800	2519	9.800	2581	9.800	2643	9.800	2705	9.800	2767	9.800	2829	9.800	2891	9.800
2458	9.800	2520	9.800	2582	9.800	2644	9.800	2706	9.800	2768	9.800	2830	9.800	2892	9.800
2459	9.800	2521	9.800	2583	9.800	2645	9.800	2707	9.800	2769	9.800	2831	9.800	2893	9.800
2460	9.800	2522	9.800	2584	9.800	2646	9.800	2708	9.800	2770	9.800	2832	9.800	2894	9.800
2461	9.800	2523	9.800	2585	9.800	2647	9.800	2709	9.800	2771	9.800	2833	9.800	2895	9.800
2462	9.800	2524	9.800	2586	9.800	2648	9.800	2710	9.800	2772	9.800	2834	9.800	2896	9.800
2463	9.800	2525	9.800	2587	9.800	2649	9.800	2711	9.800	2773	9.800	2835	9.800	2897	9.800
2464	9.800	2526	9.800	2588	9.800	2650	9.800	2712	9.800	2774	9.800	2836	9.800	2898	9.800
2465	9.800	2527	9.800	2589	9.800	2651	9.800	2713	9.800	2775	9.800	2837	9.800	2899	9.800
2466	9.800	2528	9.800	2590	9.800	2652	9.800	2714	9.800	2776	9.800	2838	9.800	2900	9.800
2467	9.800	2529	9.800	2591	9.800	2653	9.800	2715	9.800	2777	9.800	2839	9.800	2901	9.800
2468	9.800	2530	9.800	2592	9.800	2654	9.800	2716	9.800	2778	9.800	2840	9.800	2902	9.800
2469	9.800	2531	9.800	2593	9.800	2655	9.800	2717	9.800	2779	9.800	2841	9.800	2903	9.800
2470	9.800	2532	9.800	2594	9.800	2656	9.800	2718	9.800	2780	9.800	2842	9.800	2904	9.800
2471	9.800	2533	9.800	2595	9.800	2657	9.800	2719	9.800	2781	9.800	2843	9.800	2905	9.800
2472	9.800	2534	9.800	2596	9.800	2658	9.800	2720	9.800	2782	9.800	2844	9.800	2906	9.800
2473	9.800	2535	9.800	2597	9.800	2659	9.800	2721	9.800	2783	9.800	2845	9.800	2907	9.800
2474	9.800	2536	9.800	2598	9.800	2660	9.800	2722	9.800	2784	9.800	2846	9.800	2908	9.800
2475	9.800	2537	9.800	2599	9.800	2661	9.800	2723	9.800	2785	9.800	2847	9.800	2909	9.800
2476	9.800	2538	9.800	2600	9.800	2662	9.800	2724	9.800	2786	9.800	2848	9.800	2910	9.800
2477	9.800	2539	9.800	2601	9.800	2663	9.800	2725	9.800	2787	9.800	2849	9.800	2911	9.800
2478	9.800	2540	9.800	2602	9.800	2664	9.800	2726	9.800	2788	9.800	2850	9.800	2912	9.800
2479	9.800	2541	9.800	2603	9.800	2665	9.800	2727	9.800	2789	9.800	2851	9.800	2913	9.800
2480	9.800	2542	9.800	2604	9.800	2666	9.800	2728	9.800	2790	9.800	2852	9.800	2914	9.800
2481	9.800	2543	9.800	2605	9.800	2667	9.800	2729	9.800	2791	9.800	2853	9.800	2915	9.800
2482	9.800	2544	9.800	2606	9.800	2668	9.800	2730	9.800	2792	9.800	2854	9.800	2916	9.800
2483	9.800	2545	9.800	2607	9.800	2669	9.800	2731	9.800	2793	9.800	2855	9.800	2917	9.800
2484	9.800	2546	9.800	2608	9.800	2670	9.800	2732	9.800	2794	9.800	2856	9.800	2918	9.800
2485	9.800	2547	9.800	2609	9.800	2671	9.800	2733	9.800	2795	9.800	2857	9.800	2919	9.800
2486	9.800	2548	9.800	2610	9.800	2672	9.800	2734	9.800	2796	9.800	2858	9.800	2920	9.800
2487	9.800	2549	9.800	2611	9.800	2673	9.800	2735	9.800	2797	9.800	2859	9.800	2921	9.800
2488	9.800	2550	9.800	2612	9.800	2674	9.800	2736	9.800	2798	9.800	2860	9.800	2922	9.800
2489	9.800	2551	9.800	2613	9.800	2675	9.800	2737	9.800	2799	9.800	2861	9.800	2923	9.800
2490	9.800	2552	9.800	2614	9.800	2676	9.800	2738	9.800	2800	9.800	2862	9.800	2924	9.800
2491	9.800	2553	9.800	2615	9.800	2677	9.800	2739	9.800	2801	9.800	2863	9.800	2925	9.800
2492	9.800	2554	9.800	2616	9.800	2678	9.800	2740	9.800	2802	9.800	2864	9.800	2926	9.800
2493	9.800	2555	9.800	2617	9.800	2679	9.800	2741	9.800	2803	9.800	2865	9.800	2927	9.800
2494	9.800	2556	9.800	2618	9.800	2680	9.800	2742	9.800	2804	9.800	2866	9.800	2928	9.800
2495	9.800	2557	9.800	2619	9.800	2681	9.800	2743	9.800	2805	9.800	2867	9.800	2929	9.800
2496	9.800	2558	9.800	2620	9.800	2682	9.800	2744	9.800	2806	9.800	2868	9.800	2930	9.800
2497	9.800	2559	9.800	2621	9.800	2683	9.800	2745	9.800	2807	9.800	2869	9.800	2931	9.800
2498	9.800	2560	9.800	2622	9.800	2684	9.800	2746	9.800	2808	9.800	2870	9.800	2932	9.800
2499	9.800	2561	9.800	2623	9.800	2685	9.800	2747	9.800	2809	9.800	2871	9.800	2933	9.800
2500	9.800	2562	9.800	2624	9.800	2686	9.800	2748	9.800	2810	9.800	2872	9.800	2934	9.800
2501	9.800	2563	9.800	2625	9.800	2687	9.800	2749	9.800	2811	9.800	2873	9.800	2935	9.800
2502	9.800	2564	9.800	2626	9.800	2688	9.800	2750	9.800	2812	9.800	2874	9.800	2936	9.800
2503	9.800	2565	9.800	2627	9.800	2689	9.800	2751	9.800	2813	9.800	2875	9.800	2937	9.800
2504	9.800	2566	9.800	2628	9.800	2690	9.800	2752	9.800	2814	9.800	2876	9.800	2938	9.800
2505	9.800	2567	9.800	2629	9.800	2691	9.800	2753	9.800	2815	9.800	2877	9.800	2939	9.800
2506	9.800	2568	9.800	2630	9.800	2692	9.800	2754	9.800	2816	9.800	2878	9.800	2940	9.800
2507	9.800	2569	9.800	2631	9.800	2693	9.800	2755	9.800	2817	9.800	2879	9.800	2941	9.800
2508	9.800	2570	9.800	2632	9.800	2694	9.800	2756	9.800	2818	9.800	2880	9.800	2942	9.800
2509	9.800	2571	9.800	2633	9.800	2695	9.800	2757	9.800	2819	9.800	2881	9.800	2943	9.800
2510	9.800	2572	9.800	2634	9.800	2696	9.800	2758	9.800	2820	9.800	2882	9.800	2944	9.800

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3007	9.800	3069	9.800	3131	9.800	3193	9.800	3255	9.800	3317	9.800	3379	9.800	3441	9.800
3008	9.800	3070	9.800	3132	9.800	3194	9.800	3256	9.800	3318	9.800	3380	9.800	3442	9.800
3009	9.800	3071	9.800	3133	9.800	3195	9.800	3257	9.800	3319	9.800	3381	9.800	3443	9.800
3010	9.800	3072	9.800	3134	9.800	3196	9.800	3258	9.800	3320	9.800	3382	9.800	3444	9.800
3011	9.800	3073	9.800	3135	9.800	3197	9.800	3259	9.800	3321	9.800	3383	9.800	3445	9.800
3012	9.800	3074	9.800	3136	9.800	3198	9.800	3260	9.800	3322	9.800	3384	9.800	3446	9.800
3013	9.800	3075	9.800	3137	9.800	3199	9.800	3261	9.800	3323	9.800	3385	9.800	3447	9.800
3014	9.800	3076	9.800	3138	9.800	3200	9.800	3262	9.800	3324	9.800	3386	9.800	3448	9.800
3015	9.800	3077	9.800	3139	9.800	3201	9.800	3263	9.800	3325	9.800	3387	9.800	3449	9.800
3016	9.800	3078	9.800	3140	9.800	3202	9.800	3264	9.800	3326	9.800	3388	9.800	3450	9.800
3017	9.800	3079	9.800	3141	9.800	3203	9.800	3265	9.800	3327	9.800	3389	9.800	3451	9.800
3018	9.800	3080	9.800	3142	9.800	3204	9.800	3266	9.800	3328	9.800	3390	9.800	3452	9.800
3019	9.800	3081	9.800	3143	9.800	3205	9.800	3267	9.800	3329	9.800	3391	9.800	3453	9.800
3020	9.800	3082	9.800	3144	9.800	3206	9.800	3268	9.800	3330	9.800	3392	9.800	3454	9.800
3021	9.800	3083	9.800	3145	9.800	3207	9.800	3269	9.800	3331	9.800	3393	9.800	3455	9.800
3022	9.800	3084	9.800	3146	9.800	3208	9.800	3270	9.800	3332	9.800	3394	9.800	3456	9.800
3023	9.800	3085	9.800	3147	9.800	3209	9.800	3271	9.800	3333	9.800	3395	9.800	3457	9.800
3024	9.800	3086	9.800	3148	9.800	3210	9.800	3272	9.800	3334	9.800	3396	9.800	3458	9.800
3025	9.800	3087	9.800	3149	9.800	3211	9.800	3273	9.800	3335	9.800	3397	9.800	3459	9.800
3026	9.800	3088	9.800	3150	9.800	3212	9.800	3274	9.800	3336	9.800	3398	9.800	3460	9.800
3027	9.800	3089	9.800	3151	9.800	3213	9.800	3275	9.800	3337	9.800	3399	9.800	3461	9.800
3028	9.800	3090	9.800	3152	9.800	3214	9.800	3276	9.800	3338	9.800	3400	9.800	3462	9.800
3029	9.800	3091	9.800	3153	9.800	3215	9.800	3277	9.800	3339	9.800	3401	9.800	3463	9.800
3030	9.800	3092	9.800	3154	9.800	3216	9.800	3278	9.800	3340	9.800	3402	9.800	3464	9.800
3031	9.800	3093	9.800	3155	9.800	3217	9.800	3279	9.800	3341	9.800	3403	9.800	3465	9.800
3032	9.800	3094	9.800	3156	9.800	3218	9.800	3280	9.800	3342	9.800	3404	9.800	3466	9.800
3033	9.800	3095	9.800	3157	9.800	3219	9.800	3281	9.800	3343	9.800	3405	9.800	3467	9.800
3034	9.800	3096	9.800	3158	9.800	3220	9.800	3282	9.800	3344	9.800	3406	9.800	3468	9.800
3035	9.800	3097	9.800	3159	9.800	3221	9.800	3283	9.800	3345	9.800	3407	9.800	3469	9.800
3036	9.800	3098	9.800	3160	9.800	3222	9.800	3284	9.800	3346	9.800	3408	9.800	3470	9.800
3037	9.800	3099	9.800	3161	9.800	3223	9.800	3285	9.800	3347	9.800	3409	9.800	3471	9.800
3038	9.800	3100	9.800	3162	9.800	3224	9.800	3286	9.800	3348	9.800	3410	9.800	3472	9.800
3039	9.800	3101	9.800	3163	9.800	3225	9.800	3287	9.800	3349	9.800	3411	9.800	3473	9.800
3040	9.800	3102	9.800	3164	9.800	3226	9.800	3288	9.800	3350	9.800	3412	9.800	3474	9.800
3041	9.800	3103	9.800	3165	9.800	3227	9.800	3289	9.800	3351	9.800	3413	9.800	3475	9.800
3042	9.800	3104	9.800	3166	9.800	3228	9.800	3290	9.800	3352	9.800	3414	9.800	3476	9.800
3043	9.800	3105	9.800	3167	9.800	3229	9.800	3291	9.800	3353	9.800	3415	9.800	3477	9.800
3044	9.800	3106	9.800	3168	9.800	3230	9.800	3292	9.800	3354	9.800	3416	9.800	3478	9.800
3045	9.800	3107	9.800	3169	9.800	3231	9.800	3293	9.800	3355	9.800	3417	9.800	3479	9.800
3046	9.800	3108	9.800	3170	9.800	3232	9.800	3294	9.800	3356	9.800	3418	9.800	3480	9.800
3047	9.800	3109	9.800	3171	9.800	3233	9.800	3295	9.800	3357	9.800	3419	9.800	3481	9.800
3048	9.800	3110	9.800	3172	9.800	3234	9.800	3296	9.800	3358	9.800	3420	9.800	3482	9.800
3049	9.800	3111	9.800	3173	9.800	3235	9.800	3297	9.800	3359	9.800	3421	9.800	3483	9.800
3050	9.800	3112	9.800	3174	9.800	3236	9.800	3298	9.800	3360	9.800	3422	9.800	3484	9.800
3051	9.800	3113	9.800	3175	9.800	3237	9.800	3299	9.800	3361	9.800	3423	9.800	3485	9.800
3052	9.800	3114	9.800	3176	9.800	3238	9.800	3300	9.800	3362	9.800	3424	9.800	3486	9.800
3053	9.800	3115	9.800	3177	9.800	3239	9.800	3301	9.800	3363	9.800	3425	9.800	3487	9.800
3054	9.800	3116	9.800	3178	9.800	3240	9.800	3302	9.800	3364	9.800	3426	9.800	3488	9.800
3055	9.800	3117	9.800	3179	9.800	3241	9.800	3303	9.800	3365	9.800	3427	9.800	3489	9.800
3056	9.800	3118	9.800	3180	9.800	3242	9.800	3304	9.800	3366	9.800	3428	9.800	3490	9.800
3057	9.800	3119	9.800	3181	9.800	3243	9.800	3305	9.800	3367	9.800	3429	9.800	3491	9.800
3058	9.800	3120	9.800	3182	9.800	3244	9.800	3306	9.800	3368	9.800	3430	9.800	3492	9.800
3059	9.800	3121	9.800	3183	9.800	3245	9.800	3307	9.800	3369	9.800	3431	9.800	3493	9.800
3060	9.800	3122	9.800	3184	9.800	3246	9.800	3308	9.800	3370	9.800	3432	9.800	3494	9.800
3061	9.800	3123	9.800	3185	9.800	3247	9.800	3309	9.800	3371	9.800	3433	9.800	3495	9.800
3062	9.800	3124	9.800	3186	9.800	3248	9.800	3310	9.800	3372	9.800	3434	9.800	3496	9.800
3063	9.800	3125	9.800	3187	9.800	3249	9.800	3311	9.800	3373	9.800	3435	9.800	3497	9.800
3064	9.800	3126	9.800	3188	9.800	3250	9.800	3312	9.800	3374	9.800	3436	9.800	3498	9.800
3065	9.800	3127	9.800	3189	9.800	3251	9.800	3313	9.800	3375	9.800	3437	9.800	3499	9.800
3066	9.800	3128	9.800	3190	9.800	3252	9.800	3314	9.800	3376	9.800	3438	9.800	3500	9.800
3067	9.800	3129	9.800	3191	9.800	3253	9.800	3315	9.800	3377	9.800	3439	9.800	3501	9.800
3068	9.800	3130	9.800	3192	9.800	3254	9.800	3316	9.800	3378	9.800	3440	9.800	3502	9.800

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3565	9.800	3627	9.800	3689	9.800	3751	9.800	3813	9.800	3875	9.800	3937	9.800	3999	9.800
3566	9.800	3628	9.800	3690	9.800	3752	9.800	3814	9.800	3876	9.800	3938	9.800	4000	9.800
3567	9.800	3629	9.800	3691	9.800	3753	9.800	3815	9.800	3877	9.800	3939	9.800	4001	9.800
3568	9.800	3630	9.800	3692	9.800	3754	9.800	3816	9.800	3878	9.800	3940	9.800	4002	9.800
3569	9.800	3631	9.800	3693	9.800	3755	9.800	3817	9.800	3879	9.800	3941	9.800	4003	9.800
3570	9.800	3632	9.800	3694	9.800	3756	9.800	3818	9.800	3880	9.800	3942	9.800	4004	9.800
3571	9.800	3633	9.800	3695	9.800	3757	9.800	3819	9.800	3881	9.800	3943	9.800	4005	9.800
3572	9.800	3634	9.800	3696	9.800	3758	9.800	3820	9.800	3882	9.800	3944	9.800	4006	9.800
3573	9.800	3635	9.800	3697	9.800	3759	9.800	3821	9.800	3883	9.800	3945	9.800	4007	9.800
3574	9.800	3636	9.800	3698	9.800	3760	9.800	3822	9.800	3884	9.800	3946	9.800	4008	9.800
3575	9.800	3637	9.800	3699	9.800	3761	9.800	3823	9.800	3885	9.800	3947	9.800	4009	9.800
3576	9.800	3638	9.800	3700	9.800	3762	9.800	3824	9.800	3886	9.800	3948	9.800	4010	9.800
3577	9.800	3639	9.800	3701	9.800	3763	9.800	3825	9.800	3887	9.800	3949	9.800	4011	9.800
3578	9.800	3640	9.800	3702	9.800	3764	9.800	3826	9.800	3888	9.800	3950	9.800	4012	9.800
3579	9.800	3641	9.800	3703	9.800	3765	9.800	3827	9.800	3889	9.800	3951	9.800	4013	9.800
3580	9.800	3642	9.800	3704	9.800	3766	9.800	3828	9.800	3890	9.800	3952	9.800	4014	9.800
3581	9.800	3643	9.800	3705	9.800	3767	9.800	3829	9.800	3891	9.800	3953	9.800	4015	9.800
3582	9.800	3644	9.800	3706	9.800	3768	9.800	3830	9.800	3892	9.800	3954	9.800	4016	9.800
3583	9.800	3645	9.800	3707	9.800	3769	9.800	3831	9.800	3893	9.800	3955	9.800	4017	9.800
3584	9.800	3646	9.800	3708	9.800	3770	9.800	3832	9.800	3894	9.800	3956	9.800	4018	9.800
3585	9.800	3647	9.800	3709	9.800	3771	9.800	3833	9.800	3895	9.800	3957	9.800	4019	9.800
3586	9.800	3648	9.800	3710	9.800	3772	9.800	3834	9.800	3896	9.800	3958	9.800	4020	9.800
3587	9.800	3649	9.800	3711	9.800	3773	9.800	3835	9.800	3897	9.800	3959	9.800	4021	9.800
3588	9.800	3650	9.800	3712	9.800	3774	9.800	3836	9.800	3898	9.800	3960	9.800	4022	9.800
3589	9.800	3651	9.800	3713	9.800	3775	9.800	3837	9.800	3899	9.800	3961	9.800	4023	9.800
3590	9.800	3652	9.800	3714	9.800	3776	9.800	3838	9.800	3900	9.800	3962	9.800	4024	9.800
3591	9.800	3653	9.800	3715	9.800	3777	9.800	3839	9.800	3901	9.800	3963	9.800	4025	9.800
3592	9.800	3654	9.800	3716	9.800	3778	9.800	3840	9.800	3902	9.800	3964	9.800	4026	9.800
3593	9.800	3655	9.800	3717	9.800	3779	9.800	3841	9.800	3903	9.800	3965	9.800	4027	9.800
3594	9.800	3656	9.800	3718	9.800	3780	9.800	3842	9.800	3904	9.800	3966	9.800	4028	9.800
3595	9.800	3657	9.800	3719	9.800	3781	9.800	3843	9.800	3905	9.800	3967	9.800	4029	9.800
3596	9.800	3658	9.800	3720	9.800	3782	9.800	3844	9.800	3906	9.800	3968	9.800	4030	9.800
3597	9.800	3659	9.800	3721	9.800	3783	9.800	3845	9.800	3907	9.800	3969	9.800	4031	9.800
3598	9.800	3660	9.800	3722	9.800	3784	9.800	3846	9.800	3908	9.800	3970	9.800	4032	9.800
3599	9.800	3661	9.800	3723	9.800	3785	9.800	3847	9.800	3909	9.800	3971	9.800	4033	9.800
3600	9.800	3662	9.800	3724	9.800	3786	9.800	3848	9.800	3910	9.800	3972	9.800	4034	9.800
3601	9.800	3663	9.800	3725	9.800	3787	9.800	3849	9.800	3911	9.800	3973	9.800	4035	9.800
3602	9.800	3664	9.800	3726	9.800	3788	9.800	3850	9.800	3912	9.800	3974	9.800	4036	9.800
3603	9.800	3665	9.800	3727	9.800	3789	9.800	3851	9.800	3913	9.800	3975	9.800	4037	9.800
3604	9.800	3666	9.800	3728	9.800	3790	9.800	3852	9.800	3914	9.800	3976	9.800	4038	9.800
3605	9.800	3667	9.800	3729	9.800	3791	9.800	3853	9.800	3915	9.800	3977	9.800	4039	9.800
3606	9.800	3668	9.800	3730	9.800	3792	9.800	3854	9.800	3916	9.800	3978	9.800	4040	9.800
3607	9.800	3669	9.800	3731	9.800	3793	9.800	3855	9.800	3917	9.800	3979	9.800	4041	9.800
3608	9.800	3670	9.800	3732	9.800	3794	9.800	3856	9.800	3918	9.800	3980	9.800	4042	9.800
3609	9.800	3671	9.800	3733	9.800	3795	9.800	3857	9.800	3919	9.800	3981	9.800	4043	9.800
3610	9.800	3672	9.800	3734	9.800	3796	9.800	3858	9.800	3920	9.800	3982	9.800	4044	9.800
3611	9.800	3673	9.800	3735	9.800	3797	9.800	3859	9.800	3921	9.800	3983	9.800	4045	9.800
3612	9.800	3674	9.800	3736	9.800	3798	9.800	3860	9.800	3922	9.800	3984	9.800	4046	9.800
3613	9.800	3675	9.800	3737	9.800	3799	9.800	3861	9.800	3923	9.800	3985	9.800	4047	9.800
3614	9.800	3676	9.800	3738	9.800	3800	9.800	3862	9.800	3924	9.800	3986	9.800	4048	9.800
3615	9.800	3677	9.800	3739	9.800	3801	9.800	3863	9.800	3925	9.800	3987	9.800	4049	9.800
3616	9.800	3678	9.800	3740	9.800	3802	9.800	3864	9.800	3926	9.800	3988	9.800	4050	9.800
3617	9.800	3679	9.800	3741	9.800	3803	9.800	3865	9.800	3927	9.800	3989	9.800	4051	9.800
3618	9.800	3680	9.800	3742	9.800	3804	9.800	3866	9.800	3928	9.800	3990	9.800	4052	9.800
3619	9.800	3681	9.800	3743	9.800	3805	9.800	3867	9.800	3929	9.800	3991	9.800	4053	9.800
3620	9.800	3682	9.800	3744	9.800	3806	9.800	3868	9.800	3930	9.800	3992	9.800	4054	9.800
3621	9.800	3683	9.800	3745	9.800	3807	9.800	3869	9.800	3931	9.800	3993	9.800	4055	9.800
3622	9.800	3684	9.800	3746	9.800	3808	9.800	3870	9.800	3932	9.800	3994	9.800	4056	9.800
3623	9.800	3685	9.800	3747	9.800	3809	9.800	3871	9.800	3933	9.800	3995	9.800	4057	9.800
3624	9.800	3686	9.800	3748	9.800	3810	9.800	3872	9.800	3934	9.800	3996	9.800	4058	9.800
3625	9.800	3687	9.800	3749	9.800	3811	9.800	3873	9.800	3935	9.800	3997	9.800	4059	9.800
3626	9.800	3688	9.800	3750	9.800	3812	9.800	3874	9.800	3936	9.800	3998	9.800	4060	9.800



Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4123	9.800	4185	9.800	4247	9.800	4309	9.800	4371	9.800	4433	9.800	4495	9.800	4557	9.800
4124	9.800	4186	9.800	4248	9.800	4310	9.800	4372	9.800	4434	9.800	4496	9.800	4558	9.800
4125	9.800	4187	9.800	4249	9.800	4311	9.800	4373	9.800	4435	9.800	4497	9.800	4559	9.800
4126	9.800	4188	9.800	4250	9.800	4312	9.800	4374	9.800	4436	9.800	4498	9.800	4560	9.800
4127	9.800	4189	9.800	4251	9.800	4313	9.800	4375	9.800	4437	9.800	4499	9.800	4561	9.800
4128	9.800	4190	9.800	4252	9.800	4314	9.800	4376	9.800	4438	9.800	4500	9.800	4562	9.800
4129	9.800	4191	9.800	4253	9.800	4315	9.800	4377	9.800	4439	9.800	4501	9.800	4563	9.800
4130	9.800	4192	9.800	4254	9.800	4316	9.800	4378	9.800	4440	9.800	4502	9.800	4564	9.800
4131	9.800	4193	9.800	4255	9.800	4317	9.800	4379	9.800	4441	9.800	4503	9.800	4565	9.800
4132	9.800	4194	9.800	4256	9.800	4318	9.800	4380	9.800	4442	9.800	4504	9.800	4566	9.800
4133	9.800	4195	9.800	4257	9.800	4319	9.800	4381	9.800	4443	9.800	4505	9.800	4567	9.800
4134	9.800	4196	9.800	4258	9.800	4320	9.800	4382	9.800	4444	9.800	4506	9.800	4568	9.800
4135	9.800	4197	9.800	4259	9.800	4321	9.800	4383	9.800	4445	9.800	4507	9.800	4569	9.800
4136	9.800	4198	9.800	4260	9.800	4322	9.800	4384	9.800	4446	9.800	4508	9.800	4570	9.800
4137	9.800	4199	9.800	4261	9.800	4323	9.800	4385	9.800	4447	9.800	4509	9.800	4571	9.800
4138	9.800	4200	9.800	4262	9.800	4324	9.800	4386	9.800	4448	9.800	4510	9.800	4572	9.800
4139	9.800	4201	9.800	4263	9.800	4325	9.800	4387	9.800	4449	9.800	4511	9.800	4573	9.800
4140	9.800	4202	9.800	4264	9.800	4326	9.800	4388	9.800	4450	9.800	4512	9.800	4574	9.800
4141	9.800	4203	9.800	4265	9.800	4327	9.800	4389	9.800	4451	9.800	4513	9.800	4575	9.800
4142	9.800	4204	9.800	4266	9.800	4328	9.800	4390	9.800	4452	9.800	4514	9.800	4576	9.800
4143	9.800	4205	9.800	4267	9.800	4329	9.800	4391	9.800	4453	9.800	4515	9.800	4577	9.800
4144	9.800	4206	9.800	4268	9.800	4330	9.800	4392	9.800	4454	9.800	4516	9.800	4578	9.800
4145	9.800	4207	9.800	4269	9.800	4331	9.800	4393	9.800	4455	9.800	4517	9.800	4579	9.800
4146	9.800	4208	9.800	4270	9.800	4332	9.800	4394	9.800	4456	9.800	4518	9.800	4580	9.800
4147	9.800	4209	9.800	4271	9.800	4333	9.800	4395	9.800	4457	9.800	4519	9.800	4581	9.800
4148	9.800	4210	9.800	4272	9.800	4334	9.800	4396	9.800	4458	9.800	4520	9.800	4582	9.800
4149	9.800	4211	9.800	4273	9.800	4335	9.800	4397	9.800	4459	9.800	4521	9.800	4583	9.800
4150	9.800	4212	9.800	4274	9.800	4336	9.800	4398	9.800	4460	9.800	4522	9.800	4584	9.800
4151	9.800	4213	9.800	4275	9.800	4337	9.800	4399	9.800	4461	9.800	4523	9.800	4585	9.800
4152	9.800	4214	9.800	4276	9.800	4338	9.800	4400	9.800	4462	9.800	4524	9.800	4586	9.800
4153	9.800	4215	9.800	4277	9.800	4339	9.800	4401	9.800	4463	9.800	4525	9.800	4587	9.800
4154	9.800	4216	9.800	4278	9.800	4340	9.800	4402	9.800	4464	9.800	4526	9.800	4588	9.800
4155	9.800	4217	9.800	4279	9.800	4341	9.800	4403	9.800	4465	9.800	4527	9.800	4589	9.800
4156	9.800	4218	9.800	4280	9.800	4342	9.800	4404	9.800	4466	9.800	4528	9.800	4590	9.800
4157	9.800	4219	9.800	4281	9.800	4343	9.800	4405	9.800	4467	9.800	4529	9.800	4591	9.800
4158	9.800	4220	9.800	4282	9.800	4344	9.800	4406	9.800	4468	9.800	4530	9.800	4592	9.800
4159	9.800	4221	9.800	4283	9.800	4345	9.800	4407	9.800	4469	9.800	4531	9.800	4593	9.800
4160	9.800	4222	9.800	4284	9.800	4346	9.800	4408	9.800	4470	9.800	4532	9.800	4594	9.800
4161	9.800	4223	9.800	4285	9.800	4347	9.800	4409	9.800	4471	9.800	4533	9.800	4595	9.800
4162	9.800	4224	9.800	4286	9.800	4348	9.800	4410	9.800	4472	9.800	4534	9.800	4596	9.800
4163	9.800	4225	9.800	4287	9.800	4349	9.800	4411	9.800	4473	9.800	4535	9.800	4597	9.800
4164	9.800	4226	9.800	4288	9.800	4350	9.800	4412	9.800	4474	9.800	4536	9.800	4598	9.800
4165	9.800	4227	9.800	4289	9.800	4351	9.800	4413	9.800	4475	9.800	4537	9.800	4599	9.800
4166	9.800	4228	9.800	4290	9.800	4352	9.800	4414	9.800	4476	9.800	4538	9.800	4600	9.800
4167	9.800	4229	9.800	4291	9.800	4353	9.800	4415	9.800	4477	9.800	4539	9.800	4601	9.800
4168	9.800	4230	9.800	4292	9.800	4354	9.800	4416	9.800	4478	9.800	4540	9.800	4602	9.800
4169	9.800	4231	9.800	4293	9.800	4355	9.800	4417	9.800	4479	9.800	4541	9.800	4603	9.800
4170	9.800	4232	9.800	4294	9.800	4356	9.800	4418	9.800	4480	9.800	4542	9.800	4604	9.800
4171	9.800	4233	9.800	4295	9.800	4357	9.800	4419	9.800	4481	9.800	4543	9.800	4605	9.800
4172	9.800	4234	9.800	4296	9.800	4358	9.800	4420	9.800	4482	9.800	4544	9.800	4606	9.800
4173	9.800	4235	9.800	4297	9.800	4359	9.800	4421	9.800	4483	9.800	4545	9.800	4607	9.800
4174	9.800	4236	9.800	4298	9.800	4360	9.800	4422	9.800	4484	9.800	4546	9.800	4608	9.800
4175	9.800	4237	9.800	4299	9.800	4361	9.800	4423	9.800	4485	9.800	4547	9.800	4609	9.800
4176	9.800	4238	9.800	4300	9.800	4362	9.800	4424	9.800	4486	9.800	4548	9.800	4610	9.800
4177	9.800	4239	9.800	4301	9.800	4363	9.800	4425	9.800	4487	9.800	4549	9.800	4611	9.800
4178	9.800	4240	9.800	4302	9.800	4364	9.800	4426	9.800	4488	9.800	4550	9.800	4612	9.800
4179	9.800	4241	9.800	4303	9.800	4365	9.800	4427	9.800	4489	9.800	4551	9.800	4613	9.800
4180	9.800	4242	9.800	4304	9.800	4366	9.800	4428	9.800	4490	9.800	4552	9.800	4614	9.800
4181	9.800	4243	9.800	4305	9.800	4367	9.800	4429	9.800	4491	9.800	4553	9.800	4615	9.800
4182	9.800	4244	9.800	4306	9.800	4368	9.800	4430	9.800	4492	9.800	4554	9.800	4616	9.800
4183	9.800	4245	9.800	4307	9.800	4369	9.800	4431	9.800	4493	9.800	4555	9.800	4617	9.800
4184	9.800	4246	9.800	4308	9.800	4370	9.800	4432	9.800	4494	9.800	4556	9.800	4618	9.800

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4681	9.800	4743	9.800	4805	9.800	4867	9.800	4929	9.800	4991	9.800	5053	9.800	5115	9.800
4682	9.800	4744	9.800	4806	9.800	4868	9.800	4930	9.800	4992	9.800	5054	9.800	5116	9.800
4683	9.800	4745	9.800	4807	9.800	4869	9.800	4931	9.800	4993	9.800	5055	9.800	5117	9.800
4684	9.800	4746	9.800	4808	9.800	4870	9.800	4932	9.800	4994	9.800	5056	9.800	5118	9.800
4685	9.800	4747	9.800	4809	9.800	4871	9.800	4933	9.800	4995	9.800	5057	9.800	5119	9.800
4686	9.800	4748	9.800	4810	9.800	4872	9.800	4934	9.800	4996	9.800	5058	9.800	5120	9.800
4687	9.800	4749	9.800	4811	9.800	4873	9.800	4935	9.800	4997	9.800	5059	9.800	5121	9.800
4688	9.800	4750	9.800	4812	9.800	4874	9.800	4936	9.800	4998	9.800	5060	9.800	5122	9.800
4689	9.800	4751	9.800	4813	9.800	4875	9.800	4937	9.800	4999	9.800	5061	9.800	5123	9.800
4690	9.800	4752	9.800	4814	9.800	4876	9.800	4938	9.800	5000	9.800	5062	9.800	5124	9.800
4691	9.800	4753	9.800	4815	9.800	4877	9.800	4939	9.800	5001	9.800	5063	9.800	5125	9.800
4692	9.800	4754	9.800	4816	9.800	4878	9.800	4940	9.800	5002	9.800	5064	9.800	5126	9.800
4693	9.800	4755	9.800	4817	9.800	4879	9.800	4941	9.800	5003	9.800	5065	9.800	5127	9.800
4694	9.800	4756	9.800	4818	9.800	4880	9.800	4942	9.800	5004	9.800	5066	9.800	5128	9.800
4695	9.800	4757	9.800	4819	9.800	4881	9.800	4943	9.800	5005	9.800	5067	9.800	5129	9.800
4696	9.800	4758	9.800	4820	9.800	4882	9.800	4944	9.800	5006	9.800	5068	9.800	5130	9.800
4697	9.800	4759	9.800	4821	9.800	4883	9.800	4945	9.800	5007	9.800	5069	9.800	5131	9.800
4698	9.800	4760	9.800	4822	9.800	4884	9.800	4946	9.800	5008	9.800	5070	9.800	5132	9.800
4699	9.800	4761	9.800	4823	9.800	4885	9.800	4947	9.800	5009	9.800	5071	9.800	5133	9.800
4700	9.800	4762	9.800	4824	9.800	4886	9.800	4948	9.800	5010	9.800	5072	9.800	5134	9.800
4701	9.800	4763	9.800	4825	9.800	4887	9.800	4949	9.800	5011	9.800	5073	9.800	5135	9.800
4702	9.800	4764	9.800	4826	9.800	4888	9.800	4950	9.800	5012	9.800	5074	9.800	5136	9.800
4703	9.800	4765	9.800	4827	9.800	4889	9.800	4951	9.800	5013	9.800	5075	9.800	5137	9.800
4704	9.800	4766	9.800	4828	9.800	4890	9.800	4952	9.800	5014	9.800	5076	9.800	5138	9.800
4705	9.800	4767	9.800	4829	9.800	4891	9.800	4953	9.800	5015	9.800	5077	9.800	5139	9.800
4706	9.800	4768	9.800	4830	9.800	4892	9.800	4954	9.800	5016	9.800	5078	9.800	5140	9.800
4707	9.800	4769	9.800	4831	9.800	4893	9.800	4955	9.800	5017	9.800	5079	9.800	5141	9.800
4708	9.800	4770	9.800	4832	9.800	4894	9.800	4956	9.800	5018	9.800	5080	9.800	5142	9.800
4709	9.800	4771	9.800	4833	9.800	4895	9.800	4957	9.800	5019	9.800	5081	9.800	5143	9.800
4710	9.800	4772	9.800	4834	9.800	4896	9.800	4958	9.800	5020	9.800	5082	9.800	5144	9.800
4711	9.800	4773	9.800	4835	9.800	4897	9.800	4959	9.800	5021	9.800	5083	9.800	5145	9.800
4712	9.800	4774	9.800	4836	9.800	4898	9.800	4960	9.800	5022	9.800	5084	9.800	5146	9.800
4713	9.800	4775	9.800	4837	9.800	4899	9.800	4961	9.800	5023	9.800	5085	9.800	5147	9.800
4714	9.800	4776	9.800	4838	9.800	4900	9.800	4962	9.800	5024	9.800	5086	9.800	5148	9.800
4715	9.800	4777	9.800	4839	9.800	4901	9.800	4963	9.800	5025	9.800	5087	9.800	5149	9.800
4716	9.800	4778	9.800	4840	9.800	4902	9.800	4964	9.800	5026	9.800	5088	9.800	5150	9.800
4717	9.800	4779	9.800	4841	9.800	4903	9.800	4965	9.800	5027	9.800	5089	9.800	5151	9.800
4718	9.800	4780	9.800	4842	9.800	4904	9.800	4966	9.800	5028	9.800	5090	9.800	5152	9.800
4719	9.800	4781	9.800	4843	9.800	4905	9.800	4967	9.800	5029	9.800	5091	9.800	5153	9.800
4720	9.800	4782	9.800	4844	9.800	4906	9.800	4968	9.800	5030	9.800	5092	9.800	5154	9.800
4721	9.800	4783	9.800	4845	9.800	4907	9.800	4969	9.800	5031	9.800	5093	9.800	5155	9.800
4722	9.800	4784	9.800	4846	9.800	4908	9.800	4970	9.800	5032	9.800	5094	9.800	5156	9.800
4723	9.800	4785	9.800	4847	9.800	4909	9.800	4971	9.800	5033	9.800	5095	9.800	5157	9.800
4724	9.800	4786	9.800	4848	9.800	4910	9.800	4972	9.800	5034	9.800	5096	9.800	5158	9.800
4725	9.800	4787	9.800	4849	9.800	4911	9.800	4973	9.800	5035	9.800	5097	9.800	5159	9.800
4726	9.800	4788	9.800	4850	9.800	4912	9.800	4974	9.800	5036	9.800	5098	9.800	5160	9.800
4727	9.800	4789	9.800	4851	9.800	4913	9.800	4975	9.800	5037	9.800	5099	9.800	5161	9.800
4728	9.800	4790	9.800	4852	9.800	4914	9.800	4976	9.800	5038	9.800	5100	9.800	5162	9.800
4729	9.800	4791	9.800	4853	9.800	4915	9.800	4977	9.800	5039	9.800	5101	9.800	5163	9.800
4730	9.800	4792	9.800	4854	9.800	4916	9.800	4978	9.800	5040	9.800	5102	9.800	5164	9.800
4731	9.800	4793	9.800	4855	9.800	4917	9.800	4979	9.800	5041	9.800	5103	9.800	5165	9.800
4732	9.800	4794	9.800	4856	9.800	4918	9.800	4980	9.800	5042	9.800	5104	9.800	5166	9.800
4733	9.800	4795	9.800	4857	9.800	4919	9.800	4981	9.800	5043	9.800	5105	9.800	5167	9.800
4734	9.800	4796	9.800	4858	9.800	4920	9.800	4982	9.800	5044	9.800	5106	9.800	5168	9.800
4735	9.800	4797	9.800	4859	9.800	4921	9.800	4983	9.800	5045	9.800	5107	9.800	5169	9.800
4736	9.800	4798	9.800	4860	9.800	4922	9.800	4984	9.800	5046	9.800	5108	9.800	5170	9.800
4737	9.800	4799	9.800	4861	9.800	4923	9.800	4985	9.800	5047	9.800	5109	9.800	5171	9.800
4738	9.800	4800	9.800	4862	9.800	4924	9.800	4986	9.800	5048	9.800	5110	9.800	5172	9.800
4739	9.800	4801	9.800	4863	9.800	4925	9.800	4987	9.800	5049	9.800	5111	9.800	5173	9.800
4740	9.800	4802	9.800	4864	9.800	4926	9.800	4988	9.800	5050	9.800	5112	9.800	5174	9.800
4741	9.800	4803	9.800	4865	9.800	4927	9.800	4989	9.800	5051	9.800	5113	9.800	5175	9.800
4742	9.800	4804	9.800	4866	9.800	4928	9.800	4990	9.800	5052	9.800	5114	9.800	5176	9.800



Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5239	9.800	5301	9.800	5363	9.800	5425	9.800	5487	9.800	5549	9.800	5611	9.800	5673	9.800
5240	9.800	5302	9.800	5364	9.800	5426	9.800	5488	9.800	5550	9.800	5612	9.800	5674	9.800
5241	9.800	5303	9.800	5365	9.800	5427	9.800	5489	9.800	5551	9.800	5613	9.800	5675	9.800
5242	9.800	5304	9.800	5366	9.800	5428	9.800	5490	9.800	5552	9.800	5614	9.800	5676	9.800
5243	9.800	5305	9.800	5367	9.800	5429	9.800	5491	9.800	5553	9.800	5615	9.800	5677	9.800
5244	9.800	5306	9.800	5368	9.800	5430	9.800	5492	9.800	5554	9.800	5616	9.800	5678	9.800
5245	9.800	5307	9.800	5369	9.800	5431	9.800	5493	9.800	5555	9.800	5617	9.800	5679	9.800
5246	9.800	5308	9.800	5370	9.800	5432	9.800	5494	9.800	5556	9.800	5618	9.800	5680	9.800
5247	9.800	5309	9.800	5371	9.800	5433	9.800	5495	9.800	5557	9.800	5619	9.800	5681	9.800
5248	9.800	5310	9.800	5372	9.800	5434	9.800	5496	9.800	5558	9.800	5620	9.800	5682	9.800
5249	9.800	5311	9.800	5373	9.800	5435	9.800	5497	9.800	5559	9.800	5621	9.800	5683	9.800
5250	9.800	5312	9.800	5374	9.800	5436	9.800	5498	9.800	5560	9.800	5622	9.800	5684	9.800
5251	9.800	5313	9.800	5375	9.800	5437	9.800	5499	9.800	5561	9.800	5623	9.800	5685	9.800
5252	9.800	5314	9.800	5376	9.800	5438	9.800	5500	9.800	5562	9.800	5624	9.800	5686	9.800
5253	9.800	5315	9.800	5377	9.800	5439	9.800	5501	9.800	5563	9.800	5625	9.800	5687	9.800
5254	9.800	5316	9.800	5378	9.800	5440	9.800	5502	9.800	5564	9.800	5626	9.800	5688	9.800
5255	9.800	5317	9.800	5379	9.800	5441	9.800	5503	9.800	5565	9.800	5627	9.800	5689	9.800
5256	9.800	5318	9.800	5380	9.800	5442	9.800	5504	9.800	5566	9.800	5628	9.800	5690	9.800
5257	9.800	5319	9.800	5381	9.800	5443	9.800	5505	9.800	5567	9.800	5629	9.800	5691	9.800
5258	9.800	5320	9.800	5382	9.800	5444	9.800	5506	9.800	5568	9.800	5630	9.800	5692	9.800
5259	9.800	5321	9.800	5383	9.800	5445	9.800	5507	9.800	5569	9.800	5631	9.800	5693	9.800
5260	9.800	5322	9.800	5384	9.800	5446	9.800	5508	9.800	5570	9.800	5632	9.800	5694	9.800
5261	9.800	5323	9.800	5385	9.800	5447	9.800	5509	9.800	5571	9.800	5633	9.800	5695	9.800
5262	9.800	5324	9.800	5386	9.800	5448	9.800	5510	9.800	5572	9.800	5634	9.800	5696	9.800
5263	9.800	5325	9.800	5387	9.800	5449	9.800	5511	9.800	5573	9.800	5635	9.800	5697	9.800
5264	9.800	5326	9.800	5388	9.800	5450	9.800	5512	9.800	5574	9.800	5636	9.800	5698	9.800
5265	9.800	5327	9.800	5389	9.800	5451	9.800	5513	9.800	5575	9.800	5637	9.800	5699	9.800
5266	9.800	5328	9.800	5390	9.800	5452	9.800	5514	9.800	5576	9.800	5638	9.800	5700	9.800
5267	9.800	5329	9.800	5391	9.800	5453	9.800	5515	9.800	5577	9.800	5639	9.800	5701	9.800
5268	9.800	5330	9.800	5392	9.800	5454	9.800	5516	9.800	5578	9.800	5640	9.800	5702	9.800
5269	9.800	5331	9.800	5393	9.800	5455	9.800	5517	9.800	5579	9.800	5641	9.800	5703	9.800
5270	9.800	5332	9.800	5394	9.800	5456	9.800	5518	9.800	5580	9.800	5642	9.800	5704	9.800
5271	9.800	5333	9.800	5395	9.800	5457	9.800	5519	9.800	5581	9.800	5643	9.800	5705	9.800
5272	9.800	5334	9.800	5396	9.800	5458	9.800	5520	9.800	5582	9.800	5644	9.800	5706	9.800
5273	9.800	5335	9.800	5397	9.800	5459	9.800	5521	9.800	5583	9.800	5645	9.800	5707	9.800
5274	9.800	5336	9.800	5398	9.800	5460	9.800	5522	9.800	5584	9.800	5646	9.800	5708	9.800
5275	9.800	5337	9.800	5399	9.800	5461	9.800	5523	9.800	5585	9.800	5647	9.800	5709	9.800
5276	9.800	5338	9.800	5400	9.800	5462	9.800	5524	9.800	5586	9.800	5648	9.800	5710	9.800
5277	9.800	5339	9.800	5401	9.800	5463	9.800	5525	9.800	5587	9.800	5649	9.800	5711	9.800
5278	9.800	5340	9.800	5402	9.800	5464	9.800	5526	9.800	5588	9.800	5650	9.800	5712	9.800
5279	9.800	5341	9.800	5403	9.800	5465	9.800	5527	9.800	5589	9.800	5651	9.800	5713	9.800
5280	9.800	5342	9.800	5404	9.800	5466	9.800	5528	9.800	5590	9.800	5652	9.800	5714	9.800
5281	9.800	5343	9.800	5405	9.800	5467	9.800	5529	9.800	5591	9.800	5653	9.800	5715	9.800
5282	9.800	5344	9.800	5406	9.800	5468	9.800	5530	9.800	5592	9.800	5654	9.800	5716	9.800
5283	9.800	5345	9.800	5407	9.800	5469	9.800	5531	9.800	5593	9.800	5655	9.800	5717	9.800
5284	9.800	5346	9.800	5408	9.800	5470	9.800	5532	9.800	5594	9.800	5656	9.800	5718	9.800
5285	9.800	5347	9.800	5409	9.800	5471	9.800	5533	9.800	5595	9.800	5657	9.800	5719	9.800
5286	9.800	5348	9.800	5410	9.800	5472	9.800	5534	9.800	5596	9.800	5658	9.800	5720	9.800
5287	9.800	5349	9.800	5411	9.800	5473	9.800	5535	9.800	5597	9.800	5659	9.800	5721	9.800
5288	9.800	5350	9.800	5412	9.800	5474	9.800	5536	9.800	5598	9.800	5660	9.800	5722	9.800
5289	9.800	5351	9.800	5413	9.800	5475	9.800	5537	9.800	5599	9.800	5661	9.800	5723	9.800
5290	9.800	5352	9.800	5414	9.800	5476	9.800	5538	9.800	5600	9.800	5662	9.800	5724	9.800
5291	9.800	5353	9.800	5415	9.800	5477	9.800	5539	9.800	5601	9.800	5663	9.800	5725	9.800
5292	9.800	5354	9.800	5416	9.800	5478	9.800	5540	9.800	5602	9.800	5664	9.800	5726	9.800
5293	9.800	5355	9.800	5417	9.800	5479	9.800	5541	9.800	5603	9.800	5665	9.800	5727	9.800
5294	9.800	5356	9.800	5418	9.800	5480	9.800	5542	9.800	5604	9.800	5666	9.800	5728	9.800
5295	9.800	5357	9.800	5419	9.800	5481	9.800	5543	9.800	5605	9.800	5667	9.800	5729	9.800
5296	9.800	5358	9.800	5420	9.800	5482	9.800	5544	9.800	5606	9.800	5668	9.800	5730	9.800
5297	9.800	5359	9.800	5421	9.800	5483	9.800	5545	9.800	5607	9.800	5669	9.800	5731	9.800
5298	9.800	5360	9.800	5422	9.800	5484	9.800	5546	9.800	5608	9.800	5670	9.800	5732	9.800
5299	9.800	5361	9.800	5423	9.800	5485	9.800	5547	9.800	5609	9.800	5671	9.800	5733	9.800
5300	9.800	5362	9.800	5424	9.800	5486	9.800	5548	9.800	5610	9.800	5672	9.800	5734	9.800

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021

Designed by Daniel James

File SLR-AB-13 p03.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5797	9.800	5859	9.800	5921	9.800	5983	9.800	6045	9.800	6107	9.800	6169	9.800	6231	9.800
5798	9.800	5860	9.800	5922	9.800	5984	9.800	6046	9.800	6108	9.800	6170	9.800	6232	9.800
5799	9.800	5861	9.800	5923	9.800	5985	9.800	6047	9.800	6109	9.800	6171	9.800	6233	9.800
5800	9.800	5862	9.800	5924	9.800	5986	9.800	6048	9.800	6110	9.800	6172	9.800	6234	9.800
5801	9.800	5863	9.800	5925	9.800	5987	9.800	6049	9.800	6111	9.800	6173	9.800	6235	9.800
5802	9.800	5864	9.800	5926	9.800	5988	9.800	6050	9.800	6112	9.800	6174	9.800	6236	9.800
5803	9.800	5865	9.800	5927	9.800	5989	9.800	6051	9.800	6113	9.800	6175	9.800	6237	9.800
5804	9.800	5866	9.800	5928	9.800	5990	9.800	6052	9.800	6114	9.800	6176	9.800	6238	9.800
5805	9.800	5867	9.800	5929	9.800	5991	9.800	6053	9.800	6115	9.800	6177	9.800	6239	9.800
5806	9.800	5868	9.800	5930	9.800	5992	9.800	6054	9.800	6116	9.800	6178	9.800	6240	9.800
5807	9.800	5869	9.800	5931	9.800	5993	9.800	6055	9.800	6117	9.800	6179	9.800	6241	9.800
5808	9.800	5870	9.800	5932	9.800	5994	9.800	6056	9.800	6118	9.800	6180	9.800	6242	9.800
5809	9.800	5871	9.800	5933	9.800	5995	9.800	6057	9.800	6119	9.800	6181	9.800	6243	9.800
5810	9.800	5872	9.800	5934	9.800	5996	9.800	6058	9.800	6120	9.800	6182	9.800	6244	9.800
5811	9.800	5873	9.800	5935	9.800	5997	9.800	6059	9.800	6121	9.800	6183	9.800	6245	9.800
5812	9.800	5874	9.800	5936	9.800	5998	9.800	6060	9.800	6122	9.800	6184	9.800	6246	9.800
5813	9.800	5875	9.800	5937	9.800	5999	9.800	6061	9.800	6123	9.800	6185	9.800	6247	9.800
5814	9.800	5876	9.800	5938	9.800	6000	9.800	6062	9.800	6124	9.800	6186	9.800	6248	9.800
5815	9.800	5877	9.800	5939	9.800	6001	9.800	6063	9.800	6125	9.800	6187	9.800	6249	9.800
5816	9.800	5878	9.800	5940	9.800	6002	9.800	6064	9.800	6126	9.800	6188	9.800	6250	9.800
5817	9.800	5879	9.800	5941	9.800	6003	9.800	6065	9.800	6127	9.800	6189	9.800	6251	9.800
5818	9.800	5880	9.800	5942	9.800	6004	9.800	6066	9.800	6128	9.800	6190	9.800	6252	9.800
5819	9.800	5881	9.800	5943	9.800	6005	9.800	6067	9.800	6129	9.800	6191	9.800	6253	9.800
5820	9.800	5882	9.800	5944	9.800	6006	9.800	6068	9.800	6130	9.800	6192	9.800	6254	9.800
5821	9.800	5883	9.800	5945	9.800	6007	9.800	6069	9.800	6131	9.800	6193	9.800	6255	9.800
5822	9.800	5884	9.800	5946	9.800	6008	9.800	6070	9.800	6132	9.800	6194	9.800	6256	9.800
5823	9.800	5885	9.800	5947	9.800	6009	9.800	6071	9.800	6133	9.800	6195	9.800	6257	9.800
5824	9.800	5886	9.800	5948	9.800	6010	9.800	6072	9.800	6134	9.800	6196	9.800	6258	9.800
5825	9.800	5887	9.800	5949	9.800	6011	9.800	6073	9.800	6135	9.800	6197	9.800	6259	9.800
5826	9.800	5888	9.800	5950	9.800	6012	9.800	6074	9.800	6136	9.800	6198	9.800	6260	9.800
5827	9.800	5889	9.800	5951	9.800	6013	9.800	6075	9.800	6137	9.800	6199	9.800	6261	9.800
5828	9.800	5890	9.800	5952	9.800	6014	9.800	6076	9.800	6138	9.800	6200	9.800	6262	9.800
5829	9.800	5891	9.800	5953	9.800	6015	9.800	6077	9.800	6139	9.800	6201	9.800	6263	9.800
5830	9.800	5892	9.800	5954	9.800	6016	9.800	6078	9.800	6140	9.800	6202	9.800	6264	9.800
5831	9.800	5893	9.800	5955	9.800	6017	9.800	6079	9.800	6141	9.800	6203	9.800	6265	9.800
5832	9.800	5894	9.800	5956	9.800	6018	9.800	6080	9.800	6142	9.800	6204	9.800	6266	9.800
5833	9.800	5895	9.800	5957	9.800	6019	9.800	6081	9.800	6143	9.800	6205	9.800	6267	9.800
5834	9.800	5896	9.800	5958	9.800	6020	9.800	6082	9.800	6144	9.800	6206	9.800	6268	9.800
5835	9.800	5897	9.800	5959	9.800	6021	9.800	6083	9.800	6145	9.800	6207	9.800	6269	9.800
5836	9.800	5898	9.800	5960	9.800	6022	9.800	6084	9.800	6146	9.800	6208	9.800	6270	9.800
5837	9.800	5899	9.800	5961	9.800	6023	9.800	6085	9.800	6147	9.800	6209	9.800	6271	9.800
5838	9.800	5900	9.800	5962	9.800	6024	9.800	6086	9.800	6148	9.800	6210	9.800	6272	9.800
5839	9.800	5901	9.800	5963	9.800	6025	9.800	6087	9.800	6149	9.800	6211	9.800	6273	9.800
5840	9.800	5902	9.800	5964	9.800	6026	9.800	6088	9.800	6150	9.800	6212	9.800	6274	9.800
5841	9.800	5903	9.800	5965	9.800	6027	9.800	6089	9.800	6151	9.800	6213	9.800	6275	9.800
5842	9.800	5904	9.800	5966	9.800	6028	9.800	6090	9.800	6152	9.800	6214	9.800	6276	9.800
5843	9.800	5905	9.800	5967	9.800	6029	9.800	6091	9.800	6153	9.800	6215	9.800	6277	9.800
5844	9.800	5906	9.800	5968	9.800	6030	9.800	6092	9.800	6154	9.800	6216	9.800	6278	9.800
5845	9.800	5907	9.800	5969	9.800	6031	9.800	6093	9.800	6155	9.800	6217	9.800	6279	9.800
5846	9.800	5908	9.800	5970	9.800	6032	9.800	6094	9.800	6156	9.800	6218	9.800	6280	9.800
5847	9.800	5909	9.800	5971	9.800	6033	9.800	6095	9.800	6157	9.800	6219	9.800	6281	9.800
5848	9.800	5910	9.800	5972	9.800	6034	9.800	6096	9.800	6158	9.800	6220	9.800	6282	9.800
5849	9.800	5911	9.800	5973	9.800	6035	9.800	6097	9.800	6159	9.800	6221	9.800	6283	9.800
5850	9.800	5912	9.800	5974	9.800	6036	9.800	6098	9.800	6160	9.800	6222	9.800	6284	9.800
5851	9.800	5913	9.800	5975	9.800	6037	9.800	6099	9.800	6161	9.800	6223	9.800	6285	9.800
5852	9.800	5914	9.800	5976	9.800	6038	9.800	6100	9.800	6162	9.800	6224	9.800	6286	9.800
5853	9.800	5915	9.800	5977	9.800	6039	9.800	6101	9.800	6163	9.800	6225	9.800	6287	9.800
5854	9.800	5916	9.800	5978	9.800	6040	9.800	6102	9.800	6164	9.800	6226	9.800	6288	9.800
5855	9.800	5917	9.800	5979	9.800	6041	9.800	6103	9.800	6165	9.800	6227	9.800	6289	9.800
5856	9.800	5918	9.800	5980	9.800	6042	9.800	6104	9.800	6166	9.800	6228	9.800	6290	9.800
5857	9.800	5919	9.800	5981	9.800	6043	9.800	6105	9.800	6167	9.800	6229	9.800	6291	9.800
5858	9.800	5920	9.800	5982	9.800	6044	9.800	6106	9.800	6168	9.800	6230	9.800	6292	9.800

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6355	9.800	6417	9.800	6479	9.800	6541	9.800	6603	9.800	6665	9.800	6727	9.800	6789	9.800
6356	9.800	6418	9.800	6480	9.800	6542	9.800	6604	9.800	6666	9.800	6728	9.800	6790	9.800
6357	9.800	6419	9.800	6481	9.800	6543	9.800	6605	9.800	6667	9.800	6729	9.800	6791	9.800
6358	9.800	6420	9.800	6482	9.800	6544	9.800	6606	9.800	6668	9.800	6730	9.800	6792	9.800
6359	9.800	6421	9.800	6483	9.800	6545	9.800	6607	9.800	6669	9.800	6731	9.800	6793	9.800
6360	9.800	6422	9.800	6484	9.800	6546	9.800	6608	9.800	6670	9.800	6732	9.800	6794	9.800
6361	9.800	6423	9.800	6485	9.800	6547	9.800	6609	9.800	6671	9.800	6733	9.800	6795	9.800
6362	9.800	6424	9.800	6486	9.800	6548	9.800	6610	9.800	6672	9.800	6734	9.800	6796	9.800
6363	9.800	6425	9.800	6487	9.800	6549	9.800	6611	9.800	6673	9.800	6735	9.800	6797	9.800
6364	9.800	6426	9.800	6488	9.800	6550	9.800	6612	9.800	6674	9.800	6736	9.800	6798	9.800
6365	9.800	6427	9.800	6489	9.800	6551	9.800	6613	9.800	6675	9.800	6737	9.800	6799	9.800
6366	9.800	6428	9.800	6490	9.800	6552	9.800	6614	9.800	6676	9.800	6738	9.800	6800	9.800
6367	9.800	6429	9.800	6491	9.800	6553	9.800	6615	9.800	6677	9.800	6739	9.800	6801	9.800
6368	9.800	6430	9.800	6492	9.800	6554	9.800	6616	9.800	6678	9.800	6740	9.800	6802	9.800
6369	9.800	6431	9.800	6493	9.800	6555	9.800	6617	9.800	6679	9.800	6741	9.800	6803	9.800
6370	9.800	6432	9.800	6494	9.800	6556	9.800	6618	9.800	6680	9.800	6742	9.800	6804	9.800
6371	9.800	6433	9.800	6495	9.800	6557	9.800	6619	9.800	6681	9.800	6743	9.800	6805	9.800
6372	9.800	6434	9.800	6496	9.800	6558	9.800	6620	9.800	6682	9.800	6744	9.800	6806	9.800
6373	9.800	6435	9.800	6497	9.800	6559	9.800	6621	9.800	6683	9.800	6745	9.800	6807	9.800
6374	9.800	6436	9.800	6498	9.800	6560	9.800	6622	9.800	6684	9.800	6746	9.800	6808	9.800
6375	9.800	6437	9.800	6499	9.800	6561	9.800	6623	9.800	6685	9.800	6747	9.800	6809	9.800
6376	9.800	6438	9.800	6500	9.800	6562	9.800	6624	9.800	6686	9.800	6748	9.800	6810	9.800
6377	9.800	6439	9.800	6501	9.800	6563	9.800	6625	9.800	6687	9.800	6749	9.800	6811	9.800
6378	9.800	6440	9.800	6502	9.800	6564	9.800	6626	9.800	6688	9.800	6750	9.800	6812	9.800
6379	9.800	6441	9.800	6503	9.800	6565	9.800	6627	9.800	6689	9.800	6751	9.800	6813	9.800
6380	9.800	6442	9.800	6504	9.800	6566	9.800	6628	9.800	6690	9.800	6752	9.800	6814	9.800
6381	9.800	6443	9.800	6505	9.800	6567	9.800	6629	9.800	6691	9.800	6753	9.800	6815	9.800
6382	9.800	6444	9.800	6506	9.800	6568	9.800	6630	9.800	6692	9.800	6754	9.800	6816	9.800
6383	9.800	6445	9.800	6507	9.800	6569	9.800	6631	9.800	6693	9.800	6755	9.800	6817	9.800
6384	9.800	6446	9.800	6508	9.800	6570	9.800	6632	9.800	6694	9.800	6756	9.800	6818	9.800
6385	9.800	6447	9.800	6509	9.800	6571	9.800	6633	9.800	6695	9.800	6757	9.800	6819	9.800
6386	9.800	6448	9.800	6510	9.800	6572	9.800	6634	9.800	6696	9.800	6758	9.800	6820	9.800
6387	9.800	6449	9.800	6511	9.800	6573	9.800	6635	9.800	6697	9.800	6759	9.800	6821	9.800
6388	9.800	6450	9.800	6512	9.800	6574	9.800	6636	9.800	6698	9.800	6760	9.800	6822	9.800
6389	9.800	6451	9.800	6513	9.800	6575	9.800	6637	9.800	6699	9.800	6761	9.800	6823	9.800
6390	9.800	6452	9.800	6514	9.800	6576	9.800	6638	9.800	6700	9.800	6762	9.800	6824	9.800
6391	9.800	6453	9.800	6515	9.800	6577	9.800	6639	9.800	6701	9.800	6763	9.800	6825	9.800
6392	9.800	6454	9.800	6516	9.800	6578	9.800	6640	9.800	6702	9.800	6764	9.800	6826	9.800
6393	9.800	6455	9.800	6517	9.800	6579	9.800	6641	9.800	6703	9.800	6765	9.800	6827	9.800
6394	9.800	6456	9.800	6518	9.800	6580	9.800	6642	9.800	6704	9.800	6766	9.800	6828	9.800
6395	9.800	6457	9.800	6519	9.800	6581	9.800	6643	9.800	6705	9.800	6767	9.800	6829	9.800
6396	9.800	6458	9.800	6520	9.800	6582	9.800	6644	9.800	6706	9.800	6768	9.800	6830	9.800
6397	9.800	6459	9.800	6521	9.800	6583	9.800	6645	9.800	6707	9.800	6769	9.800	6831	9.800
6398	9.800	6460	9.800	6522	9.800	6584	9.800	6646	9.800	6708	9.800	6770	9.800	6832	9.800
6399	9.800	6461	9.800	6523	9.800	6585	9.800	6647	9.800	6709	9.800	6771	9.800	6833	9.800
6400	9.800	6462	9.800	6524	9.800	6586	9.800	6648	9.800	6710	9.800	6772	9.800	6834	9.800
6401	9.800	6463	9.800	6525	9.800	6587	9.800	6649	9.800	6711	9.800	6773	9.800	6835	9.800
6402	9.800	6464	9.800	6526	9.800	6588	9.800	6650	9.800	6712	9.800	6774	9.800	6836	9.800
6403	9.800	6465	9.800	6527	9.800	6589	9.800	6651	9.800	6713	9.800	6775	9.800	6837	9.800
6404	9.800	6466	9.800	6528	9.800	6590	9.800	6652	9.800	6714	9.800	6776	9.800	6838	9.800
6405	9.800	6467	9.800	6529	9.800	6591	9.800	6653	9.800	6715	9.800	6777	9.800	6839	9.800
6406	9.800	6468	9.800	6530	9.800	6592	9.800	6654	9.800	6716	9.800	6778	9.800	6840	9.800
6407	9.800	6469	9.800	6531	9.800	6593	9.800	6655	9.800	6717	9.800	6779	9.800	6841	9.800
6408	9.800	6470	9.800	6532	9.800	6594	9.800	6656	9.800	6718	9.800	6780	9.800	6842	9.800
6409	9.800	6471	9.800	6533	9.800	6595	9.800	6657	9.800	6719	9.800	6781	9.800	6843	9.800
6410	9.800	6472	9.800	6534	9.800	6596	9.800	6658	9.800	6720	9.800	6782	9.800	6844	9.800
6411	9.800	6473	9.800	6535	9.800	6597	9.800	6659	9.800	6721	9.800	6783	9.800	6845	9.800
6412	9.800	6474	9.800	6536	9.800	6598	9.800	6660	9.800	6722	9.800	6784	9.800	6846	9.800
6413	9.800	6475	9.800	6537	9.800	6599	9.800	6661	9.800	6723	9.800	6785	9.800	6847	9.800
6414	9.800	6476	9.800	6538	9.800	6600	9.800	6662	9.800	6724	9.800	6786	9.800	6848	9.800
6415	9.800	6477	9.800	6539	9.800	6601	9.800	6663	9.800	6725	9.800	6787	9.800	6849	9.800
6416	9.800	6478	9.800	6540	9.800	6602	9.800	6664	9.800	6726	9.800	6788	9.800	6850	9.800

Sizewell Link Road  
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Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6913	9.800	6975	9.800	7037	9.800	7099	9.800	7161	9.800	7223	9.800	7285	9.800	7347	9.800
6914	9.800	6976	9.800	7038	9.800	7100	9.800	7162	9.800	7224	9.800	7286	9.800	7348	9.800
6915	9.800	6977	9.800	7039	9.800	7101	9.800	7163	9.800	7225	9.800	7287	9.800	7349	9.800
6916	9.800	6978	9.800	7040	9.800	7102	9.800	7164	9.800	7226	9.800	7288	9.800	7350	9.800
6917	9.800	6979	9.800	7041	9.800	7103	9.800	7165	9.800	7227	9.800	7289	9.800	7351	9.800
6918	9.800	6980	9.800	7042	9.800	7104	9.800	7166	9.800	7228	9.800	7290	9.800	7352	9.800
6919	9.800	6981	9.800	7043	9.800	7105	9.800	7167	9.800	7229	9.800	7291	9.800	7353	9.800
6920	9.800	6982	9.800	7044	9.800	7106	9.800	7168	9.800	7230	9.800	7292	9.800	7354	9.800
6921	9.800	6983	9.800	7045	9.800	7107	9.800	7169	9.800	7231	9.800	7293	9.800	7355	9.800
6922	9.800	6984	9.800	7046	9.800	7108	9.800	7170	9.800	7232	9.800	7294	9.800	7356	9.800
6923	9.800	6985	9.800	7047	9.800	7109	9.800	7171	9.800	7233	9.800	7295	9.800	7357	9.800
6924	9.800	6986	9.800	7048	9.800	7110	9.800	7172	9.800	7234	9.800	7296	9.800	7358	9.800
6925	9.800	6987	9.800	7049	9.800	7111	9.800	7173	9.800	7235	9.800	7297	9.800	7359	9.800
6926	9.800	6988	9.800	7050	9.800	7112	9.800	7174	9.800	7236	9.800	7298	9.800	7360	9.800
6927	9.800	6989	9.800	7051	9.800	7113	9.800	7175	9.800	7237	9.800	7299	9.800	7361	9.800
6928	9.800	6990	9.800	7052	9.800	7114	9.800	7176	9.800	7238	9.800	7300	9.800	7362	9.800
6929	9.800	6991	9.800	7053	9.800	7115	9.800	7177	9.800	7239	9.800	7301	9.800	7363	9.800
6930	9.800	6992	9.800	7054	9.800	7116	9.800	7178	9.800	7240	9.800	7302	9.800	7364	9.800
6931	9.800	6993	9.800	7055	9.800	7117	9.800	7179	9.800	7241	9.800	7303	9.800	7365	9.800
6932	9.800	6994	9.800	7056	9.800	7118	9.800	7180	9.800	7242	9.800	7304	9.800	7366	9.800
6933	9.800	6995	9.800	7057	9.800	7119	9.800	7181	9.800	7243	9.800	7305	9.800	7367	9.800
6934	9.800	6996	9.800	7058	9.800	7120	9.800	7182	9.800	7244	9.800	7306	9.800	7368	9.800
6935	9.800	6997	9.800	7059	9.800	7121	9.800	7183	9.800	7245	9.800	7307	9.800	7369	9.800
6936	9.800	6998	9.800	7060	9.800	7122	9.800	7184	9.800	7246	9.800	7308	9.800	7370	9.800
6937	9.800	6999	9.800	7061	9.800	7123	9.800	7185	9.800	7247	9.800	7309	9.800	7371	9.800
6938	9.800	7000	9.800	7062	9.800	7124	9.800	7186	9.800	7248	9.800	7310	9.800	7372	9.800
6939	9.800	7001	9.800	7063	9.800	7125	9.800	7187	9.800	7249	9.800	7311	9.800	7373	9.800
6940	9.800	7002	9.800	7064	9.800	7126	9.800	7188	9.800	7250	9.800	7312	9.800	7374	9.800
6941	9.800	7003	9.800	7065	9.800	7127	9.800	7189	9.800	7251	9.800	7313	9.800	7375	9.800
6942	9.800	7004	9.800	7066	9.800	7128	9.800	7190	9.800	7252	9.800	7314	9.800	7376	9.800
6943	9.800	7005	9.800	7067	9.800	7129	9.800	7191	9.800	7253	9.800	7315	9.800	7377	9.800
6944	9.800	7006	9.800	7068	9.800	7130	9.800	7192	9.800	7254	9.800	7316	9.800	7378	9.800
6945	9.800	7007	9.800	7069	9.800	7131	9.800	7193	9.800	7255	9.800	7317	9.800	7379	9.800
6946	9.800	7008	9.800	7070	9.800	7132	9.800	7194	9.800	7256	9.800	7318	9.800	7380	9.800
6947	9.800	7009	9.800	7071	9.800	7133	9.800	7195	9.800	7257	9.800	7319	9.800	7381	9.800
6948	9.800	7010	9.800	7072	9.800	7134	9.800	7196	9.800	7258	9.800	7320	9.800	7382	9.800
6949	9.800	7011	9.800	7073	9.800	7135	9.800	7197	9.800	7259	9.800	7321	9.800	7383	9.800
6950	9.800	7012	9.800	7074	9.800	7136	9.800	7198	9.800	7260	9.800	7322	9.800	7384	9.800
6951	9.800	7013	9.800	7075	9.800	7137	9.800	7199	9.800	7261	9.800	7323	9.800	7385	9.800
6952	9.800	7014	9.800	7076	9.800	7138	9.800	7200	9.800	7262	9.800	7324	9.800	7386	9.800
6953	9.800	7015	9.800	7077	9.800	7139	9.800	7201	9.800	7263	9.800	7325	9.800	7387	9.800
6954	9.800	7016	9.800	7078	9.800	7140	9.800	7202	9.800	7264	9.800	7326	9.800	7388	9.800
6955	9.800	7017	9.800	7079	9.800	7141	9.800	7203	9.800	7265	9.800	7327	9.800	7389	9.800
6956	9.800	7018	9.800	7080	9.800	7142	9.800	7204	9.800	7266	9.800	7328	9.800	7390	9.800
6957	9.800	7019	9.800	7081	9.800	7143	9.800	7205	9.800	7267	9.800	7329	9.800	7391	9.800
6958	9.800	7020	9.800	7082	9.800	7144	9.800	7206	9.800	7268	9.800	7330	9.800	7392	9.800
6959	9.800	7021	9.800	7083	9.800	7145	9.800	7207	9.800	7269	9.800	7331	9.800	7393	9.800
6960	9.800	7022	9.800	7084	9.800	7146	9.800	7208	9.800	7270	9.800	7332	9.800	7394	9.800
6961	9.800	7023	9.800	7085	9.800	7147	9.800	7209	9.800	7271	9.800	7333	9.800	7395	9.800
6962	9.800	7024	9.800	7086	9.800	7148	9.800	7210	9.800	7272	9.800	7334	9.800	7396	9.800
6963	9.800	7025	9.800	7087	9.800	7149	9.800	7211	9.800	7273	9.800	7335	9.800	7397	9.800
6964	9.800	7026	9.800	7088	9.800	7150	9.800	7212	9.800	7274	9.800	7336	9.800	7398	9.800
6965	9.800	7027	9.800	7089	9.800	7151	9.800	7213	9.800	7275	9.800	7337	9.800	7399	9.800
6966	9.800	7028	9.800	7090	9.800	7152	9.800	7214	9.800	7276	9.800	7338	9.800	7400	9.800
6967	9.800	7029	9.800	7091	9.800	7153	9.800	7215	9.800	7277	9.800	7339	9.800	7401	9.800
6968	9.800	7030	9.800	7092	9.800	7154	9.800	7216	9.800	7278	9.800	7340	9.800	7402	9.800
6969	9.800	7031	9.800	7093	9.800	7155	9.800	7217	9.800	7279	9.800	7341	9.800	7403	9.800
6970	9.800	7032	9.800	7094	9.800	7156	9.800	7218	9.800	7280	9.800	7342	9.800	7404	9.800
6971	9.800	7033	9.800	7095	9.800	7157	9.800	7219	9.800	7281	9.800	7343	9.800	7405	9.800
6972	9.800	7034	9.800	7096	9.800	7158	9.800	7220	9.800	7282	9.800	7344	9.800	7406	9.800
6973	9.800	7035	9.800	7097	9.800	7159	9.800	7221	9.800	7283	9.800	7345	9.800	7407	9.800
6974	9.800	7036	9.800	7098	9.800	7160	9.800	7222	9.800	7284	9.800	7346	9.800	7408	9.800

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7471	9.800	7533	9.800	7595	9.800	7657	9.800	7719	9.800	7781	9.800	7843	9.800	7905	9.800
7472	9.800	7534	9.800	7596	9.800	7658	9.800	7720	9.800	7782	9.800	7844	9.800	7906	9.800
7473	9.800	7535	9.800	7597	9.800	7659	9.800	7721	9.800	7783	9.800	7845	9.800	7907	9.800
7474	9.800	7536	9.800	7598	9.800	7660	9.800	7722	9.800	7784	9.800	7846	9.800	7908	9.800
7475	9.800	7537	9.800	7599	9.800	7661	9.800	7723	9.800	7785	9.800	7847	9.800	7909	9.800
7476	9.800	7538	9.800	7600	9.800	7662	9.800	7724	9.800	7786	9.800	7848	9.800	7910	9.800
7477	9.800	7539	9.800	7601	9.800	7663	9.800	7725	9.800	7787	9.800	7849	9.800	7911	9.800
7478	9.800	7540	9.800	7602	9.800	7664	9.800	7726	9.800	7788	9.800	7850	9.800	7912	9.800
7479	9.800	7541	9.800	7603	9.800	7665	9.800	7727	9.800	7789	9.800	7851	9.800	7913	9.800
7480	9.800	7542	9.800	7604	9.800	7666	9.800	7728	9.800	7790	9.800	7852	9.800	7914	9.800
7481	9.800	7543	9.800	7605	9.800	7667	9.800	7729	9.800	7791	9.800	7853	9.800	7915	9.800
7482	9.800	7544	9.800	7606	9.800	7668	9.800	7730	9.800	7792	9.800	7854	9.800	7916	9.800
7483	9.800	7545	9.800	7607	9.800	7669	9.800	7731	9.800	7793	9.800	7855	9.800	7917	9.800
7484	9.800	7546	9.800	7608	9.800	7670	9.800	7732	9.800	7794	9.800	7856	9.800	7918	9.800
7485	9.800	7547	9.800	7609	9.800	7671	9.800	7733	9.800	7795	9.800	7857	9.800	7919	9.800
7486	9.800	7548	9.800	7610	9.800	7672	9.800	7734	9.800	7796	9.800	7858	9.800	7920	9.800
7487	9.800	7549	9.800	7611	9.800	7673	9.800	7735	9.800	7797	9.800	7859	9.800	7921	9.800
7488	9.800	7550	9.800	7612	9.800	7674	9.800	7736	9.800	7798	9.800	7860	9.800	7922	9.800
7489	9.800	7551	9.800	7613	9.800	7675	9.800	7737	9.800	7799	9.800	7861	9.800	7923	9.800
7490	9.800	7552	9.800	7614	9.800	7676	9.800	7738	9.800	7800	9.800	7862	9.800	7924	9.800
7491	9.800	7553	9.800	7615	9.800	7677	9.800	7739	9.800	7801	9.800	7863	9.800	7925	9.800
7492	9.800	7554	9.800	7616	9.800	7678	9.800	7740	9.800	7802	9.800	7864	9.800	7926	9.800
7493	9.800	7555	9.800	7617	9.800	7679	9.800	7741	9.800	7803	9.800	7865	9.800	7927	9.800
7494	9.800	7556	9.800	7618	9.800	7680	9.800	7742	9.800	7804	9.800	7866	9.800	7928	9.800
7495	9.800	7557	9.800	7619	9.800	7681	9.800	7743	9.800	7805	9.800	7867	9.800	7929	9.800
7496	9.800	7558	9.800	7620	9.800	7682	9.800	7744	9.800	7806	9.800	7868	9.800	7930	9.800
7497	9.800	7559	9.800	7621	9.800	7683	9.800	7745	9.800	7807	9.800	7869	9.800	7931	9.800
7498	9.800	7560	9.800	7622	9.800	7684	9.800	7746	9.800	7808	9.800	7870	9.800	7932	9.800
7499	9.800	7561	9.800	7623	9.800	7685	9.800	7747	9.800	7809	9.800	7871	9.800	7933	9.800
7500	9.800	7562	9.800	7624	9.800	7686	9.800	7748	9.800	7810	9.800	7872	9.800	7934	9.800
7501	9.800	7563	9.800	7625	9.800	7687	9.800	7749	9.800	7811	9.800	7873	9.800	7935	9.800
7502	9.800	7564	9.800	7626	9.800	7688	9.800	7750	9.800	7812	9.800	7874	9.800	7936	9.800
7503	9.800	7565	9.800	7627	9.800	7689	9.800	7751	9.800	7813	9.800	7875	9.800	7937	9.800
7504	9.800	7566	9.800	7628	9.800	7690	9.800	7752	9.800	7814	9.800	7876	9.800	7938	9.800
7505	9.800	7567	9.800	7629	9.800	7691	9.800	7753	9.800	7815	9.800	7877	9.800	7939	9.800
7506	9.800	7568	9.800	7630	9.800	7692	9.800	7754	9.800	7816	9.800	7878	9.800	7940	9.800
7507	9.800	7569	9.800	7631	9.800	7693	9.800	7755	9.800	7817	9.800	7879	9.800	7941	9.800
7508	9.800	7570	9.800	7632	9.800	7694	9.800	7756	9.800	7818	9.800	7880	9.800	7942	9.800
7509	9.800	7571	9.800	7633	9.800	7695	9.800	7757	9.800	7819	9.800	7881	9.800	7943	9.800
7510	9.800	7572	9.800	7634	9.800	7696	9.800	7758	9.800	7820	9.800	7882	9.800	7944	9.800
7511	9.800	7573	9.800	7635	9.800	7697	9.800	7759	9.800	7821	9.800	7883	9.800	7945	9.800
7512	9.800	7574	9.800	7636	9.800	7698	9.800	7760	9.800	7822	9.800	7884	9.800	7946	9.800
7513	9.800	7575	9.800	7637	9.800	7699	9.800	7761	9.800	7823	9.800	7885	9.800	7947	9.800
7514	9.800	7576	9.800	7638	9.800	7700	9.800	7762	9.800	7824	9.800	7886	9.800	7948	9.800
7515	9.800	7577	9.800	7639	9.800	7701	9.800	7763	9.800	7825	9.800	7887	9.800	7949	9.800
7516	9.800	7578	9.800	7640	9.800	7702	9.800	7764	9.800	7826	9.800	7888	9.800	7950	9.800
7517	9.800	7579	9.800	7641	9.800	7703	9.800	7765	9.800	7827	9.800	7889	9.800	7951	9.800
7518	9.800	7580	9.800	7642	9.800	7704	9.800	7766	9.800	7828	9.800	7890	9.800	7952	9.800
7519	9.800	7581	9.800	7643	9.800	7705	9.800	7767	9.800	7829	9.800	7891	9.800	7953	9.800
7520	9.800	7582	9.800	7644	9.800	7706	9.800	7768	9.800	7830	9.800	7892	9.800	7954	9.800
7521	9.800	7583	9.800	7645	9.800	7707	9.800	7769	9.800	7831	9.800	7893	9.800	7955	9.800
7522	9.800	7584	9.800	7646	9.800	7708	9.800	7770	9.800	7832	9.800	7894	9.800	7956	9.800
7523	9.800	7585	9.800	7647	9.800	7709	9.800	7771	9.800	7833	9.800	7895	9.800	7957	9.800
7524	9.800	7586	9.800	7648	9.800	7710	9.800	7772	9.800	7834	9.800	7896	9.800	7958	9.800
7525	9.800	7587	9.800	7649	9.800	7711	9.800	7773	9.800	7835	9.800	7897	9.800	7959	9.800
7526	9.800	7588	9.800	7650	9.800	7712	9.800	7774	9.800	7836	9.800	7898	9.800	7960	9.800
7527	9.800	7589	9.800	7651	9.800	7713	9.800	7775	9.800	7837	9.800	7899	9.800	7961	9.800
7528	9.800	7590	9.800	7652	9.800	7714	9.800	7776	9.800	7838	9.800	7900	9.800	7962	9.800
7529	9.800	7591	9.800	7653	9.800	7715	9.800	7777	9.800	7839	9.800	7901	9.800	7963	9.800
7530	9.800	7592	9.800	7654	9.800	7716	9.800	7778	9.800	7840	9.800	7902	9.800	7964	9.800
7531	9.800	7593	9.800	7655	9.800	7717	9.800	7779	9.800	7841	9.800	7903	9.800	7965	9.800
7532	9.800	7594	9.800	7656	9.800	7718	9.800	7780	9.800	7842	9.800	7904	9.800	7966	9.800

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8029	9.800	8091	9.800	8153	9.800	8215	9.800	8277	9.800	8339	9.800	8401	9.800	8463	9.800
8030	9.800	8092	9.800	8154	9.800	8216	9.800	8278	9.800	8340	9.800	8402	9.800	8464	9.800
8031	9.800	8093	9.800	8155	9.800	8217	9.800	8279	9.800	8341	9.800	8403	9.800	8465	9.800
8032	9.800	8094	9.800	8156	9.800	8218	9.800	8280	9.800	8342	9.800	8404	9.800	8466	9.800
8033	9.800	8095	9.800	8157	9.800	8219	9.800	8281	9.800	8343	9.800	8405	9.800	8467	9.800
8034	9.800	8096	9.800	8158	9.800	8220	9.800	8282	9.800	8344	9.800	8406	9.800	8468	9.800
8035	9.800	8097	9.800	8159	9.800	8221	9.800	8283	9.800	8345	9.800	8407	9.800	8469	9.800
8036	9.800	8098	9.800	8160	9.800	8222	9.800	8284	9.800	8346	9.800	8408	9.800	8470	9.800
8037	9.800	8099	9.800	8161	9.800	8223	9.800	8285	9.800	8347	9.800	8409	9.800	8471	9.800
8038	9.800	8100	9.800	8162	9.800	8224	9.800	8286	9.800	8348	9.800	8410	9.800	8472	9.800
8039	9.800	8101	9.800	8163	9.800	8225	9.800	8287	9.800	8349	9.800	8411	9.800	8473	9.800
8040	9.800	8102	9.800	8164	9.800	8226	9.800	8288	9.800	8350	9.800	8412	9.800	8474	9.800
8041	9.800	8103	9.800	8165	9.800	8227	9.800	8289	9.800	8351	9.800	8413	9.800	8475	9.800
8042	9.800	8104	9.800	8166	9.800	8228	9.800	8290	9.800	8352	9.800	8414	9.800	8476	9.800
8043	9.800	8105	9.800	8167	9.800	8229	9.800	8291	9.800	8353	9.800	8415	9.800	8477	9.800
8044	9.800	8106	9.800	8168	9.800	8230	9.800	8292	9.800	8354	9.800	8416	9.800	8478	9.800
8045	9.800	8107	9.800	8169	9.800	8231	9.800	8293	9.800	8355	9.800	8417	9.800	8479	9.800
8046	9.800	8108	9.800	8170	9.800	8232	9.800	8294	9.800	8356	9.800	8418	9.800	8480	9.800
8047	9.800	8109	9.800	8171	9.800	8233	9.800	8295	9.800	8357	9.800	8419	9.800	8481	9.800
8048	9.800	8110	9.800	8172	9.800	8234	9.800	8296	9.800	8358	9.800	8420	9.800	8482	9.800
8049	9.800	8111	9.800	8173	9.800	8235	9.800	8297	9.800	8359	9.800	8421	9.800	8483	9.800
8050	9.800	8112	9.800	8174	9.800	8236	9.800	8298	9.800	8360	9.800	8422	9.800	8484	9.800
8051	9.800	8113	9.800	8175	9.800	8237	9.800	8299	9.800	8361	9.800	8423	9.800	8485	9.800
8052	9.800	8114	9.800	8176	9.800	8238	9.800	8300	9.800	8362	9.800	8424	9.800	8486	9.800
8053	9.800	8115	9.800	8177	9.800	8239	9.800	8301	9.800	8363	9.800	8425	9.800	8487	9.800
8054	9.800	8116	9.800	8178	9.800	8240	9.800	8302	9.800	8364	9.800	8426	9.800	8488	9.800
8055	9.800	8117	9.800	8179	9.800	8241	9.800	8303	9.800	8365	9.800	8427	9.800	8489	9.800
8056	9.800	8118	9.800	8180	9.800	8242	9.800	8304	9.800	8366	9.800	8428	9.800	8490	9.800
8057	9.800	8119	9.800	8181	9.800	8243	9.800	8305	9.800	8367	9.800	8429	9.800	8491	9.800
8058	9.800	8120	9.800	8182	9.800	8244	9.800	8306	9.800	8368	9.800	8430	9.800	8492	9.800
8059	9.800	8121	9.800	8183	9.800	8245	9.800	8307	9.800	8369	9.800	8431	9.800	8493	9.800
8060	9.800	8122	9.800	8184	9.800	8246	9.800	8308	9.800	8370	9.800	8432	9.800	8494	9.800
8061	9.800	8123	9.800	8185	9.800	8247	9.800	8309	9.800	8371	9.800	8433	9.800	8495	9.800
8062	9.800	8124	9.800	8186	9.800	8248	9.800	8310	9.800	8372	9.800	8434	9.800	8496	9.800
8063	9.800	8125	9.800	8187	9.800	8249	9.800	8311	9.800	8373	9.800	8435	9.800	8497	9.800
8064	9.800	8126	9.800	8188	9.800	8250	9.800	8312	9.800	8374	9.800	8436	9.800	8498	9.800
8065	9.800	8127	9.800	8189	9.800	8251	9.800	8313	9.800	8375	9.800	8437	9.800	8499	9.800
8066	9.800	8128	9.800	8190	9.800	8252	9.800	8314	9.800	8376	9.800	8438	9.800	8500	9.800
8067	9.800	8129	9.800	8191	9.800	8253	9.800	8315	9.800	8377	9.800	8439	9.800	8501	9.800
8068	9.800	8130	9.800	8192	9.800	8254	9.800	8316	9.800	8378	9.800	8440	9.800	8502	9.800
8069	9.800	8131	9.800	8193	9.800	8255	9.800	8317	9.800	8379	9.800	8441	9.800	8503	9.800
8070	9.800	8132	9.800	8194	9.800	8256	9.800	8318	9.800	8380	9.800	8442	9.800	8504	9.800
8071	9.800	8133	9.800	8195	9.800	8257	9.800	8319	9.800	8381	9.800	8443	9.800	8505	9.800
8072	9.800	8134	9.800	8196	9.800	8258	9.800	8320	9.800	8382	9.800	8444	9.800	8506	9.800
8073	9.800	8135	9.800	8197	9.800	8259	9.800	8321	9.800	8383	9.800	8445	9.800	8507	9.800
8074	9.800	8136	9.800	8198	9.800	8260	9.800	8322	9.800	8384	9.800	8446	9.800	8508	9.800
8075	9.800	8137	9.800	8199	9.800	8261	9.800	8323	9.800	8385	9.800	8447	9.800	8509	9.800
8076	9.800	8138	9.800	8200	9.800	8262	9.800	8324	9.800	8386	9.800	8448	9.800	8510	9.800
8077	9.800	8139	9.800	8201	9.800	8263	9.800	8325	9.800	8387	9.800	8449	9.800	8511	9.800
8078	9.800	8140	9.800	8202	9.800	8264	9.800	8326	9.800	8388	9.800	8450	9.800	8512	9.800
8079	9.800	8141	9.800	8203	9.800	8265	9.800	8327	9.800	8389	9.800	8451	9.800	8513	9.800
8080	9.800	8142	9.800	8204	9.800	8266	9.800	8328	9.800	8390	9.800	8452	9.800	8514	9.800
8081	9.800	8143	9.800	8205	9.800	8267	9.800	8329	9.800	8391	9.800	8453	9.800	8515	9.800
8082	9.800	8144	9.800	8206	9.800	8268	9.800	8330	9.800	8392	9.800	8454	9.800	8516	9.800
8083	9.800	8145	9.800	8207	9.800	8269	9.800	8331	9.800	8393	9.800	8455	9.800	8517	9.800
8084	9.800	8146	9.800	8208	9.800	8270	9.800	8332	9.800	8394	9.800	8456	9.800	8518	9.800
8085	9.800	8147	9.800	8209	9.800	8271	9.800	8333	9.800	8395	9.800	8457	9.800	8519	9.800
8086	9.800	8148	9.800	8210	9.800	8272	9.800	8334	9.800	8396	9.800	8458	9.800	8520	9.800
8087	9.800	8149	9.800	8211	9.800	8273	9.800	8335	9.800	8397	9.800	8459	9.800	8521	9.800
8088	9.800	8150	9.800	8212	9.800	8274	9.800	8336	9.800	8398	9.800	8460	9.800	8522	9.800
8089	9.800	8151	9.800	8213	9.800	8275	9.800	8337	9.800	8399	9.800	8461	9.800	8523	9.800
8090	9.800	8152	9.800	8214	9.800	8276	9.800	8338	9.800	8400	9.800	8462	9.800	8524	9.800



Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8587	9.800	8649	9.800	8711	9.800	8773	9.800	8835	9.800	8897	9.800	8959	9.800	9021	9.800
8588	9.800	8650	9.800	8712	9.800	8774	9.800	8836	9.800	8898	9.800	8960	9.800	9022	9.800
8589	9.800	8651	9.800	8713	9.800	8775	9.800	8837	9.800	8899	9.800	8961	9.800	9023	9.800
8590	9.800	8652	9.800	8714	9.800	8776	9.800	8838	9.800	8900	9.800	8962	9.800	9024	9.800
8591	9.800	8653	9.800	8715	9.800	8777	9.800	8839	9.800	8901	9.800	8963	9.800	9025	9.800
8592	9.800	8654	9.800	8716	9.800	8778	9.800	8840	9.800	8902	9.800	8964	9.800	9026	9.800
8593	9.800	8655	9.800	8717	9.800	8779	9.800	8841	9.800	8903	9.800	8965	9.800	9027	9.800
8594	9.800	8656	9.800	8718	9.800	8780	9.800	8842	9.800	8904	9.800	8966	9.800	9028	9.800
8595	9.800	8657	9.800	8719	9.800	8781	9.800	8843	9.800	8905	9.800	8967	9.800	9029	9.800
8596	9.800	8658	9.800	8720	9.800	8782	9.800	8844	9.800	8906	9.800	8968	9.800	9030	9.800
8597	9.800	8659	9.800	8721	9.800	8783	9.800	8845	9.800	8907	9.800	8969	9.800	9031	9.800
8598	9.800	8660	9.800	8722	9.800	8784	9.800	8846	9.800	8908	9.800	8970	9.800	9032	9.800
8599	9.800	8661	9.800	8723	9.800	8785	9.800	8847	9.800	8909	9.800	8971	9.800	9033	9.800
8600	9.800	8662	9.800	8724	9.800	8786	9.800	8848	9.800	8910	9.800	8972	9.800	9034	9.800
8601	9.800	8663	9.800	8725	9.800	8787	9.800	8849	9.800	8911	9.800	8973	9.800	9035	9.800
8602	9.800	8664	9.800	8726	9.800	8788	9.800	8850	9.800	8912	9.800	8974	9.800	9036	9.800
8603	9.800	8665	9.800	8727	9.800	8789	9.800	8851	9.800	8913	9.800	8975	9.800	9037	9.800
8604	9.800	8666	9.800	8728	9.800	8790	9.800	8852	9.800	8914	9.800	8976	9.800	9038	9.800
8605	9.800	8667	9.800	8729	9.800	8791	9.800	8853	9.800	8915	9.800	8977	9.800	9039	9.800
8606	9.800	8668	9.800	8730	9.800	8792	9.800	8854	9.800	8916	9.800	8978	9.800	9040	9.800
8607	9.800	8669	9.800	8731	9.800	8793	9.800	8855	9.800	8917	9.800	8979	9.800	9041	9.800
8608	9.800	8670	9.800	8732	9.800	8794	9.800	8856	9.800	8918	9.800	8980	9.800	9042	9.800
8609	9.800	8671	9.800	8733	9.800	8795	9.800	8857	9.800	8919	9.800	8981	9.800	9043	9.800
8610	9.800	8672	9.800	8734	9.800	8796	9.800	8858	9.800	8920	9.800	8982	9.800	9044	9.800
8611	9.800	8673	9.800	8735	9.800	8797	9.800	8859	9.800	8921	9.800	8983	9.800	9045	9.800
8612	9.800	8674	9.800	8736	9.800	8798	9.800	8860	9.800	8922	9.800	8984	9.800	9046	9.800
8613	9.800	8675	9.800	8737	9.800	8799	9.800	8861	9.800	8923	9.800	8985	9.800	9047	9.800
8614	9.800	8676	9.800	8738	9.800	8800	9.800	8862	9.800	8924	9.800	8986	9.800	9048	9.800
8615	9.800	8677	9.800	8739	9.800	8801	9.800	8863	9.800	8925	9.800	8987	9.800	9049	9.800
8616	9.800	8678	9.800	8740	9.800	8802	9.800	8864	9.800	8926	9.800	8988	9.800	9050	9.800
8617	9.800	8679	9.800	8741	9.800	8803	9.800	8865	9.800	8927	9.800	8989	9.800	9051	9.800
8618	9.800	8680	9.800	8742	9.800	8804	9.800	8866	9.800	8928	9.800	8990	9.800	9052	9.800
8619	9.800	8681	9.800	8743	9.800	8805	9.800	8867	9.800	8929	9.800	8991	9.800	9053	9.800
8620	9.800	8682	9.800	8744	9.800	8806	9.800	8868	9.800	8930	9.800	8992	9.800	9054	9.800
8621	9.800	8683	9.800	8745	9.800	8807	9.800	8869	9.800	8931	9.800	8993	9.800	9055	9.800
8622	9.800	8684	9.800	8746	9.800	8808	9.800	8870	9.800	8932	9.800	8994	9.800	9056	9.800
8623	9.800	8685	9.800	8747	9.800	8809	9.800	8871	9.800	8933	9.800	8995	9.800	9057	9.800
8624	9.800	8686	9.800	8748	9.800	8810	9.800	8872	9.800	8934	9.800	8996	9.800	9058	9.800
8625	9.800	8687	9.800	8749	9.800	8811	9.800	8873	9.800	8935	9.800	8997	9.800	9059	9.800
8626	9.800	8688	9.800	8750	9.800	8812	9.800	8874	9.800	8936	9.800	8998	9.800	9060	9.800
8627	9.800	8689	9.800	8751	9.800	8813	9.800	8875	9.800	8937	9.800	8999	9.800	9061	9.800
8628	9.800	8690	9.800	8752	9.800	8814	9.800	8876	9.800	8938	9.800	9000	9.800	9062	9.800
8629	9.800	8691	9.800	8753	9.800	8815	9.800	8877	9.800	8939	9.800	9001	9.800	9063	9.800
8630	9.800	8692	9.800	8754	9.800	8816	9.800	8878	9.800	8940	9.800	9002	9.800	9064	9.800
8631	9.800	8693	9.800	8755	9.800	8817	9.800	8879	9.800	8941	9.800	9003	9.800	9065	9.800
8632	9.800	8694	9.800	8756	9.800	8818	9.800	8880	9.800	8942	9.800	9004	9.800	9066	9.800
8633	9.800	8695	9.800	8757	9.800	8819	9.800	8881	9.800	8943	9.800	9005	9.800	9067	9.800
8634	9.800	8696	9.800	8758	9.800	8820	9.800	8882	9.800	8944	9.800	9006	9.800	9068	9.800
8635	9.800	8697	9.800	8759	9.800	8821	9.800	8883	9.800	8945	9.800	9007	9.800	9069	9.800
8636	9.800	8698	9.800	8760	9.800	8822	9.800	8884	9.800	8946	9.800	9008	9.800	9070	9.800
8637	9.800	8699	9.800	8761	9.800	8823	9.800	8885	9.800	8947	9.800	9009	9.800	9071	9.800
8638	9.800	8700	9.800	8762	9.800	8824	9.800	8886	9.800	8948	9.800	9010	9.800	9072	9.800
8639	9.800	8701	9.800	8763	9.800	8825	9.800	8887	9.800	8949	9.800	9011	9.800	9073	9.800
8640	9.800	8702	9.800	8764	9.800	8826	9.800	8888	9.800	8950	9.800	9012	9.800	9074	9.800
8641	9.800	8703	9.800	8765	9.800	8827	9.800	8889	9.800	8951	9.800	9013	9.800	9075	9.800
8642	9.800	8704	9.800	8766	9.800	8828	9.800	8890	9.800	8952	9.800	9014	9.800	9076	9.800
8643	9.800	8705	9.800	8767	9.800	8829	9.800	8891	9.800	8953	9.800	9015	9.800	9077	9.800
8644	9.800	8706	9.800	8768	9.800	8830	9.800	8892	9.800	8954	9.800	9016	9.800	9078	9.800
8645	9.800	8707	9.800	8769	9.800	8831	9.800	8893	9.800	8955	9.800	9017	9.800	9079	9.800
8646	9.800	8708	9.800	8770	9.800	8832	9.800	8894	9.800	8956	9.800	9018	9.800	9080	9.800
8647	9.800	8709	9.800	8771	9.800	8833	9.800	8895	9.800	8957	9.800	9019	9.800	9081	9.800
8648	9.800	8710	9.800	8772	9.800	8834	9.800	8896	9.800	8958	9.800	9020	9.800	9082	9.800



Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9145	9.800	9207	9.800	9269	9.800	9331	9.800	9393	9.800	9455	9.800	9517	9.800	9579	9.800
9146	9.800	9208	9.800	9270	9.800	9332	9.800	9394	9.800	9456	9.800	9518	9.800	9580	9.800
9147	9.800	9209	9.800	9271	9.800	9333	9.800	9395	9.800	9457	9.800	9519	9.800	9581	9.800
9148	9.800	9210	9.800	9272	9.800	9334	9.800	9396	9.800	9458	9.800	9520	9.800	9582	9.800
9149	9.800	9211	9.800	9273	9.800	9335	9.800	9397	9.800	9459	9.800	9521	9.800	9583	9.800
9150	9.800	9212	9.800	9274	9.800	9336	9.800	9398	9.800	9460	9.800	9522	9.800	9584	9.800
9151	9.800	9213	9.800	9275	9.800	9337	9.800	9399	9.800	9461	9.800	9523	9.800	9585	9.800
9152	9.800	9214	9.800	9276	9.800	9338	9.800	9400	9.800	9462	9.800	9524	9.800	9586	9.800
9153	9.800	9215	9.800	9277	9.800	9339	9.800	9401	9.800	9463	9.800	9525	9.800	9587	9.800
9154	9.800	9216	9.800	9278	9.800	9340	9.800	9402	9.800	9464	9.800	9526	9.800	9588	9.800
9155	9.800	9217	9.800	9279	9.800	9341	9.800	9403	9.800	9465	9.800	9527	9.800	9589	9.800
9156	9.800	9218	9.800	9280	9.800	9342	9.800	9404	9.800	9466	9.800	9528	9.800	9590	9.800
9157	9.800	9219	9.800	9281	9.800	9343	9.800	9405	9.800	9467	9.800	9529	9.800	9591	9.800
9158	9.800	9220	9.800	9282	9.800	9344	9.800	9406	9.800	9468	9.800	9530	9.800	9592	9.800
9159	9.800	9221	9.800	9283	9.800	9345	9.800	9407	9.800	9469	9.800	9531	9.800	9593	9.800
9160	9.800	9222	9.800	9284	9.800	9346	9.800	9408	9.800	9470	9.800	9532	9.800	9594	9.800
9161	9.800	9223	9.800	9285	9.800	9347	9.800	9409	9.800	9471	9.800	9533	9.800	9595	9.800
9162	9.800	9224	9.800	9286	9.800	9348	9.800	9410	9.800	9472	9.800	9534	9.800	9596	9.800
9163	9.800	9225	9.800	9287	9.800	9349	9.800	9411	9.800	9473	9.800	9535	9.800	9597	9.800
9164	9.800	9226	9.800	9288	9.800	9350	9.800	9412	9.800	9474	9.800	9536	9.800	9598	9.800
9165	9.800	9227	9.800	9289	9.800	9351	9.800	9413	9.800	9475	9.800	9537	9.800	9599	9.800
9166	9.800	9228	9.800	9290	9.800	9352	9.800	9414	9.800	9476	9.800	9538	9.800	9600	9.800
9167	9.800	9229	9.800	9291	9.800	9353	9.800	9415	9.800	9477	9.800	9539	9.800	9601	9.800
9168	9.800	9230	9.800	9292	9.800	9354	9.800	9416	9.800	9478	9.800	9540	9.800	9602	9.800
9169	9.800	9231	9.800	9293	9.800	9355	9.800	9417	9.800	9479	9.800	9541	9.800	9603	9.800
9170	9.800	9232	9.800	9294	9.800	9356	9.800	9418	9.800	9480	9.800	9542	9.800	9604	9.800
9171	9.800	9233	9.800	9295	9.800	9357	9.800	9419	9.800	9481	9.800	9543	9.800	9605	9.800
9172	9.800	9234	9.800	9296	9.800	9358	9.800	9420	9.800	9482	9.800	9544	9.800	9606	9.800
9173	9.800	9235	9.800	9297	9.800	9359	9.800	9421	9.800	9483	9.800	9545	9.800	9607	9.800
9174	9.800	9236	9.800	9298	9.800	9360	9.800	9422	9.800	9484	9.800	9546	9.800	9608	9.800
9175	9.800	9237	9.800	9299	9.800	9361	9.800	9423	9.800	9485	9.800	9547	9.800	9609	9.800
9176	9.800	9238	9.800	9300	9.800	9362	9.800	9424	9.800	9486	9.800	9548	9.800	9610	9.800
9177	9.800	9239	9.800	9301	9.800	9363	9.800	9425	9.800	9487	9.800	9549	9.800	9611	9.800
9178	9.800	9240	9.800	9302	9.800	9364	9.800	9426	9.800	9488	9.800	9550	9.800	9612	9.800
9179	9.800	9241	9.800	9303	9.800	9365	9.800	9427	9.800	9489	9.800	9551	9.800	9613	9.800
9180	9.800	9242	9.800	9304	9.800	9366	9.800	9428	9.800	9490	9.800	9552	9.800	9614	9.800
9181	9.800	9243	9.800	9305	9.800	9367	9.800	9429	9.800	9491	9.800	9553	9.800	9615	9.800
9182	9.800	9244	9.800	9306	9.800	9368	9.800	9430	9.800	9492	9.800	9554	9.800	9616	9.800
9183	9.800	9245	9.800	9307	9.800	9369	9.800	9431	9.800	9493	9.800	9555	9.800	9617	9.800
9184	9.800	9246	9.800	9308	9.800	9370	9.800	9432	9.800	9494	9.800	9556	9.800	9618	9.800
9185	9.800	9247	9.800	9309	9.800	9371	9.800	9433	9.800	9495	9.800	9557	9.800	9619	9.800
9186	9.800	9248	9.800	9310	9.800	9372	9.800	9434	9.800	9496	9.800	9558	9.800	9620	9.800
9187	9.800	9249	9.800	9311	9.800	9373	9.800	9435	9.800	9497	9.800	9559	9.800	9621	9.800
9188	9.800	9250	9.800	9312	9.800	9374	9.800	9436	9.800	9498	9.800	9560	9.800	9622	9.800
9189	9.800	9251	9.800	9313	9.800	9375	9.800	9437	9.800	9499	9.800	9561	9.800	9623	9.800
9190	9.800	9252	9.800	9314	9.800	9376	9.800	9438	9.800	9500	9.800	9562	9.800	9624	9.800
9191	9.800	9253	9.800	9315	9.800	9377	9.800	9439	9.800	9501	9.800	9563	9.800	9625	9.800
9192	9.800	9254	9.800	9316	9.800	9378	9.800	9440	9.800	9502	9.800	9564	9.800	9626	9.800
9193	9.800	9255	9.800	9317	9.800	9379	9.800	9441	9.800	9503	9.800	9565	9.800	9627	9.800
9194	9.800	9256	9.800	9318	9.800	9380	9.800	9442	9.800	9504	9.800	9566	9.800	9628	9.800
9195	9.800	9257	9.800	9319	9.800	9381	9.800	9443	9.800	9505	9.800	9567	9.800	9629	9.800
9196	9.800	9258	9.800	9320	9.800	9382	9.800	9444	9.800	9506	9.800	9568	9.800	9630	9.800
9197	9.800	9259	9.800	9321	9.800	9383	9.800	9445	9.800	9507	9.800	9569	9.800	9631	9.800
9198	9.800	9260	9.800	9322	9.800	9384	9.800	9446	9.800	9508	9.800	9570	9.800	9632	9.800
9199	9.800	9261	9.800	9323	9.800	9385	9.800	9447	9.800	9509	9.800	9571	9.800	9633	9.800
9200	9.800	9262	9.800	9324	9.800	9386	9.800	9448	9.800	9510	9.800	9572	9.800	9634	9.800
9201	9.800	9263	9.800	9325	9.800	9387	9.800	9449	9.800	9511	9.800	9573	9.800	9635	9.800
9202	9.800	9264	9.800	9326	9.800	9388	9.800	9450	9.800	9512	9.800	9574	9.800	9636	9.800
9203	9.800	9265	9.800	9327	9.800	9389	9.800	9451	9.800	9513	9.800	9575	9.800	9637	9.800
9204	9.800	9266	9.800	9328	9.800	9390	9.800	9452	9.800	9514	9.800	9576	9.800	9638	9.800
9205	9.800	9267	9.800	9329	9.800	9391	9.800	9453	9.800	9515	9.800	9577	9.800	9639	9.800
9206	9.800	9268	9.800	9330	9.800	9392	9.800	9454	9.800	9516	9.800	9578	9.800	9640	9.800

Sizewell Link Road  
DCO Design Review  
SLR-AB-13



Date 30/09/2021  
File SLR-AB-13 p03.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-13

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9703	9.800	9765	9.800	9827	9.800	9889	9.800	9951	9.800	10013	9.800	10075	9.800	10137	9.800
9704	9.800	9766	9.800	9828	9.800	9890	9.800	9952	9.800	10014	9.800	10076	9.800	10138	9.800
9705	9.800	9767	9.800	9829	9.800	9891	9.800	9953	9.800	10015	9.800	10077	9.800	10139	9.800
9706	9.800	9768	9.800	9830	9.800	9892	9.800	9954	9.800	10016	9.800	10078	9.800	10140	9.800
9707	9.800	9769	9.800	9831	9.800	9893	9.800	9955	9.800	10017	9.800	10079	9.800	10141	9.800
9708	9.800	9770	9.800	9832	9.800	9894	9.800	9956	9.800	10018	9.800	10080	9.800	10142	9.800
9709	9.800	9771	9.800	9833	9.800	9895	9.800	9957	9.800	10019	9.800	10081	9.800	10143	9.800
9710	9.800	9772	9.800	9834	9.800	9896	9.800	9958	9.800	10020	9.800	10082	9.800	10144	9.800
9711	9.800	9773	9.800	9835	9.800	9897	9.800	9959	9.800	10021	9.800	10083	9.800	10145	9.800
9712	9.800	9774	9.800	9836	9.800	9898	9.800	9960	9.800	10022	9.800	10084	9.800	10146	9.800
9713	9.800	9775	9.800	9837	9.800	9899	9.800	9961	9.800	10023	9.800	10085	9.800	10147	9.800
9714	9.800	9776	9.800	9838	9.800	9900	9.800	9962	9.800	10024	9.800	10086	9.800	10148	9.800
9715	9.800	9777	9.800	9839	9.800	9901	9.800	9963	9.800	10025	9.800	10087	9.800	10149	9.800
9716	9.800	9778	9.800	9840	9.800	9902	9.800	9964	9.800	10026	9.800	10088	9.800	10150	9.800
9717	9.800	9779	9.800	9841	9.800	9903	9.800	9965	9.800	10027	9.800	10089	9.800	10151	9.800
9718	9.800	9780	9.800	9842	9.800	9904	9.800	9966	9.800	10028	9.800	10090	9.800	10152	9.800
9719	9.800	9781	9.800	9843	9.800	9905	9.800	9967	9.800	10029	9.800	10091	9.800	10153	9.800
9720	9.800	9782	9.800	9844	9.800	9906	9.800	9968	9.800	10030	9.800	10092	9.800	10154	9.800
9721	9.800	9783	9.800	9845	9.800	9907	9.800	9969	9.800	10031	9.800	10093	9.800	10155	9.800
9722	9.800	9784	9.800	9846	9.800	9908	9.800	9970	9.800	10032	9.800	10094	9.800	10156	9.800
9723	9.800	9785	9.800	9847	9.800	9909	9.800	9971	9.800	10033	9.800	10095	9.800	10157	9.800
9724	9.800	9786	9.800	9848	9.800	9910	9.800	9972	9.800	10034	9.800	10096	9.800	10158	9.800
9725	9.800	9787	9.800	9849	9.800	9911	9.800	9973	9.800	10035	9.800	10097	9.800	10159	9.800
9726	9.800	9788	9.800	9850	9.800	9912	9.800	9974	9.800	10036	9.800	10098	9.800	10160	9.800
9727	9.800	9789	9.800	9851	9.800	9913	9.800	9975	9.800	10037	9.800	10099	9.800	10161	9.800
9728	9.800	9790	9.800	9852	9.800	9914	9.800	9976	9.800	10038	9.800	10100	9.800	10162	9.800
9729	9.800	9791	9.800	9853	9.800	9915	9.800	9977	9.800	10039	9.800	10101	9.800	10163	9.800
9730	9.800	9792	9.800	9854	9.800	9916	9.800	9978	9.800	10040	9.800	10102	9.800	10164	9.800
9731	9.800	9793	9.800	9855	9.800	9917	9.800	9979	9.800	10041	9.800	10103	9.800	10165	9.800
9732	9.800	9794	9.800	9856	9.800	9918	9.800	9980	9.800	10042	9.800	10104	9.800	10166	9.800
9733	9.800	9795	9.800	9857	9.800	9919	9.800	9981	9.800	10043	9.800	10105	9.800	10167	9.800
9734	9.800	9796	9.800	9858	9.800	9920	9.800	9982	9.800	10044	9.800	10106	9.800	10168	9.800
9735	9.800	9797	9.800	9859	9.800	9921	9.800	9983	9.800	10045	9.800	10107	9.800	10169	9.800
9736	9.800	9798	9.800	9860	9.800	9922	9.800	9984	9.800	10046	9.800	10108	9.800	10170	9.800
9737	9.800	9799	9.800	9861	9.800	9923	9.800	9985	9.800	10047	9.800	10109	9.800	10171	9.800
9738	9.800	9800	9.800	9862	9.800	9924	9.800	9986	9.800	10048	9.800	10110	9.800	10172	9.800
9739	9.800	9801	9.800	9863	9.800	9925	9.800	9987	9.800	10049	9.800	10111	9.800	10173	9.800
9740	9.800	9802	9.800	9864	9.800	9926	9.800	9988	9.800	10050	9.800	10112	9.800	10174	9.800
9741	9.800	9803	9.800	9865	9.800	9927	9.800	9989	9.800	10051	9.800	10113	9.800	10175	9.800
9742	9.800	9804	9.800	9866	9.800	9928	9.800	9990	9.800	10052	9.800	10114	9.800	10176	9.800
9743	9.800	9805	9.800	9867	9.800	9929	9.800	9991	9.800	10053	9.800	10115	9.800	10177	9.800
9744	9.800	9806	9.800	9868	9.800	9930	9.800	9992	9.800	10054	9.800	10116	9.800	10178	9.800
9745	9.800	9807	9.800	9869	9.800	9931	9.800	9993	9.800	10055	9.800	10117	9.800	10179	9.800
9746	9.800	9808	9.800	9870	9.800	9932	9.800	9994	9.800	10056	9.800	10118	9.800	10180	9.800
9747	9.800	9809	9.800	9871	9.800	9933	9.800	9995	9.800	10057	9.800	10119	9.800	10181	9.800
9748	9.800	9810	9.800	9872	9.800	9934	9.800	9996	9.800	10058	9.800	10120	9.800	10182	9.800
9749	9.800	9811	9.800	9873	9.800	9935	9.800	9997	9.800	10059	9.800	10121	9.800	10183	9.800
9750	9.800	9812	9.800	9874	9.800	9936	9.800	9998	9.800	10060	9.800	10122	9.800	10184	9.800
9751	9.800	9813	9.800	9875	9.800	9937	9.800	9999	9.800	10061	9.800	10123	9.800	10185	9.800
9752	9.800	9814	9.800	9876	9.800	9938	9.800	10000	9.800	10062	9.800	10124	9.800	10186	9.800
9753	9.800	9815	9.800	9877	9.800	9939	9.800	10001	9.800	10063	9.800	10125	9.800	10187	9.800
9754	9.800	9816	9.800	9878	9.800	9940	9.800	10002	9.800	10064	9.800	10126	9.800	10188	9.800
9755	9.800	9817	9.800	9879	9.800	9941	9.800	10003	9.800	10065	9.800	10127	9.800	10189	9.800
9756	9.800	9818	9.800	9880	9.800	9942	9.800	10004	9.800	10066	9.800	10128	9.800	10190	9.800
9757	9.800	9819	9.800	9881	9.800	9943	9.800	10005	9.800	10067	9.800	10129	9.800	10191	9.800
9758	9.800	9820	9.800	9882	9.800	9944	9.800	10006	9.800	10068	9.800	10130	9.800	10192	9.800
9759	9.800	9821	9.800	9883	9.800	9945	9.800	10007	9.800	10069	9.800	10131	9.800	10193	9.800
9760	9.800	9822	9.800	9884	9.800	9946	9.800	10008	9.800	10070	9.800	10132	9.800	10194	9.800
9761	9.800	9823	9.800	9885	9.800	9947	9.800	10009	9.800	10071	9.800	10133	9.800	10195	9.800
9762	9.800	9824	9.800	9886	9.800	9948	9.800	10010	9.800	10072	9.800	10134	9.800	10196	9.800
9763	9.800	9825	9.800	9887	9.800	9949	9.800	10011	9.800	10073	9.800	10135	9.800	10197	9.800
9764	9.800	9826	9.800	9888	9.800	9950	9.800	10012	9.800	10074	9.800	10136	9.800	10198	9.800













































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Surcharged Outfall Details for SLR-AB-13


Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
19747	9.800	19793	9.800	19839	9.800	19885	9.800	19931	9.800	19977	9.800	20023	9.800	20069	9.800
19748	9.800	19794	9.800	19840	9.800	19886	9.800	19932	9.800	19978	9.800	20024	9.800	20070	9.800
19749	9.800	19795	9.800	19841	9.800	19887	9.800	19933	9.800	19979	9.800	20025	9.800	20071	9.800
19750	9.800	19796	9.800	19842	9.800	19888	9.800	19934	9.800	19980	9.800	20026	9.800	20072	9.800
19751	9.800	19797	9.800	19843	9.800	19889	9.800	19935	9.800	19981	9.800	20027	9.800	20073	9.800
19752	9.800	19798	9.800	19844	9.800	19890	9.800	19936	9.800	19982	9.800	20028	9.800	20074	9.800
19753	9.800	19799	9.800	19845	9.800	19891	9.800	19937	9.800	19983	9.800	20029	9.800	20075	9.800
19754	9.800	19800	9.800	19846	9.800	19892	9.800	19938	9.800	19984	9.800	20030	9.800	20076	9.800
19755	9.800	19801	9.800	19847	9.800	19893	9.800	19939	9.800	19985	9.800	20031	9.800	20077	9.800
19756	9.800	19802	9.800	19848	9.800	19894	9.800	19940	9.800	19986	9.800	20032	9.800	20078	9.800
19757	9.800	19803	9.800	19849	9.800	19895	9.800	19941	9.800	19987	9.800	20033	9.800	20079	9.800
19758	9.800	19804	9.800	19850	9.800	19896	9.800	19942	9.800	19988	9.800	20034	9.800	20080	9.800
19759	9.800	19805	9.800	19851	9.800	19897	9.800	19943	9.800	19989	9.800	20035	9.800	20081	9.800
19760	9.800	19806	9.800	19852	9.800	19898	9.800	19944	9.800	19990	9.800	20036	9.800	20082	9.800
19761	9.800	19807	9.800	19853	9.800	19899	9.800	19945	9.800	19991	9.800	20037	9.800	20083	9.800
19762	9.800	19808	9.800	19854	9.800	19900	9.800	19946	9.800	19992	9.800	20038	9.800	20084	9.800
19763	9.800	19809	9.800	19855	9.800	19901	9.800	19947	9.800	19993	9.800	20039	9.800	20085	9.800
19764	9.800	19810	9.800	19856	9.800	19902	9.800	19948	9.800	19994	9.800	20040	9.800	20086	9.800
19765	9.800	19811	9.800	19857	9.800	19903	9.800	19949	9.800	19995	9.800	20041	9.800	20087	9.800
19766	9.800	19812	9.800	19858	9.800	19904	9.800	19950	9.800	19996	9.800	20042	9.800	20088	9.800
19767	9.800	19813	9.800	19859	9.800	19905	9.800	19951	9.800	19997	9.800	20043	9.800	20089	9.800
19768	9.800	19814	9.800	19860	9.800	19906	9.800	19952	9.800	19998	9.800	20044	9.800	20090	9.800
19769	9.800	19815	9.800	19861	9.800	19907	9.800	19953	9.800	19999	9.800	20045	9.800	20091	9.800
19770	9.800	19816	9.800	19862	9.800	19908	9.800	19954	9.800	20000	9.800	20046	9.800	20092	9.800
19771	9.800	19817	9.800	19863	9.800	19909	9.800	19955	9.800	20001	9.800	20047	9.800	20093	9.800
19772	9.800	19818	9.800	19864	9.800	19910	9.800	19956	9.800	20002	9.800	20048	9.800	20094	9.800
19773	9.800	19819	9.800	19865	9.800	19911	9.800	19957	9.800	20003	9.800	20049	9.800	20095	9.800
19774	9.800	19820	9.800	19866	9.800	19912	9.800	19958	9.800	20004	9.800	20050	9.800	20096	9.800
19775	9.800	19821	9.800	19867	9.800	19913	9.800	19959	9.800	20005	9.800	20051	9.800	20097	9.800
19776	9.800	19822	9.800	19868	9.800	19914	9.800	19960	9.800	20006	9.800	20052	9.800	20098	9.800
19777	9.800	19823	9.800	19869	9.800	19915	9.800	19961	9.800	20007	9.800	20053	9.800	20099	9.800
19778	9.800	19824	9.800	19870	9.800	19916	9.800	19962	9.800	20008	9.800	20054	9.800	20100	9.800
19779	9.800	19825	9.800	19871	9.800	19917	9.800	19963	9.800	20009	9.800	20055	9.800	20101	9.800
19780	9.800	19826	9.800	19872	9.800	19918	9.800	19964	9.800	20010	9.800	20056	9.800	20102	9.800
19781	9.800	19827	9.800	19873	9.800	19919	9.800	19965	9.800	20011	9.800	20057	9.800	20103	9.800
19782	9.800	19828	9.800	19874	9.800	19920	9.800	19966	9.800	20012	9.800	20058	9.800	20104	9.800
19783	9.800	19829	9.800	19875	9.800	19921	9.800	19967	9.800	20013	9.800	20059	9.800	20105	9.800
19784	9.800	19830	9.800	19876	9.800	19922	9.800	19968	9.800	20014	9.800	20060	9.800	20106	9.800
19785	9.800	19831	9.800	19877	9.800	19923	9.800	19969	9.800	20015	9.800	20061	9.800	20107	9.800
19786	9.800	19832	9.800	19878	9.800	19924	9.800	19970	9.800	20016	9.800	20062	9.800	20108	9.800
19787	9.800	19833	9.800	19879	9.800	19925	9.800	19971	9.800	20017	9.800	20063	9.800	20109	9.800
19788	9.800	19834	9.800	19880	9.800	19926	9.800	19972	9.800	20018	9.800	20064	9.800	20110	9.800
19789	9.800	19835	9.800	19881	9.800	19927	9.800	19973	9.800	20019	9.800	20065	9.800	20111	9.800
19790	9.800	19836	9.800	19882	9.800	19928	9.800	19974	9.800	20020	9.800	20066	9.800	20112	9.800
19791	9.800	19837	9.800	19883	9.800	19929	9.800	19975	9.800	20021	9.800	20067	9.800	20113	9.800
19792	9.800	19838	9.800	19884	9.800	19930	9.800	19976	9.800	20022	9.800	20068	9.800	20114	9.800

Simulation Criteria for SLR-AB-13

Volumetric Runoff Coeff 0.750      Additional Flow - % of Total Flow 0.000  
 Areal Reduction Factor 1.000      MADD Factor \* 10m³/ha Storage 2.000  
 Hot Start (mins) 0      Inlet Coefficient 0.800  
 Hot Start Level (mm) 0      Flow per Person per Day (l/per/day) 0.000  
 Manhole Headloss Coeff (Global) 0.500      Run Time (mins) 60  
 Foul Sewage per hectare (l/s) 0.000      Output Interval (mins) 1

Number of Input Hydrographs 0      Number of Offline Controls 0      Number of Time/Area Diagrams 0  
 Number of Online Controls 12      Number of Storage Structures 10      Number of Real Time Controls 0

Synthetic Rainfall Details

.	Sizewell Link Road	
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XP Solutions	Network 2019.1	

Synthetic Rainfall Details

Rainfall Model	FEH	Summer Storms	Yes
Return Period (years)	2	Winter Storms	No
FEH Rainfall Version	2013	Cv (Summer)	0.750
Site Location	GB 640286 267538 TM 40286 67538	Cv (Winter)	0.840
Data Type	Point	Storm Duration (mins)	30



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Online Controls for SLR-AB-13

Hydro-Brake® Optimum Manhole: S10, DS/PN: S4.005, Volume (m³): 3.9

Unit Reference MD-SHE-0101-5000-1300-5000  
Design Head (m) 1.300  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 101  
Invert Level (m) 31.775  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.300	5.0	Kick-Flo®	0.798	4.0
Flush-Flo™	0.384	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.4	0.800	4.0	2.000	6.1	4.000	8.5	7.000	11.0
0.200	4.7	1.000	4.4	2.200	6.4	4.500	9.0	7.500	11.4
0.300	4.9	1.200	4.8	2.400	6.7	5.000	9.4	8.000	11.8
0.400	5.0	1.400	5.2	2.600	6.9	5.500	9.8	8.500	12.1
0.500	4.9	1.600	5.5	3.000	7.4	6.000	10.3	9.000	12.5
0.600	4.8	1.800	5.8	3.500	7.9	6.500	10.7	9.500	12.8

Hydro-Brake® Optimum Manhole: S18, DS/PN: S4.013, Volume (m³): 4.4

Unit Reference MD-SHE-0098-5000-1500-5000  
Design Head (m) 1.500  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 98  
Invert Level (m) 25.296  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.500	5.0	Kick-Flo®	0.878	3.9
Flush-Flo™	0.431	4.9	Mean Flow over Head Range	-	4.3

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.2	0.800	4.3	2.000	5.7	4.000	7.9	7.000	10.3
0.200	4.4	1.000	4.1	2.200	6.0	4.500	8.4	7.500	10.7
0.300	4.8	1.200	4.5	2.400	6.2	5.000	8.8	8.000	11.0
0.400	4.9	1.400	4.8	2.600	6.5	5.500	9.2	8.500	11.3
0.500	4.9	1.600	5.1	3.000	6.9	6.000	9.6	9.000	11.6
0.600	4.8	1.800	5.4	3.500	7.4	6.500	10.0	9.500	11.9

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Hydro-Brake® Optimum Manhole: S31, DS/PN: S4.026, Volume (m³): 32.8

Unit Reference MD-SHE-0087-5000-2500-5000  
Design Head (m) 2.500  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 87  
Invert Level (m) 9.320  
Minimum Outlet Pipe Diameter (mm) 100  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	2.500	5.0	Kick-Flo®	0.777	2.9
Flush-Flo™	0.379	3.6	Mean Flow over Head Range	-	3.8

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	2.6	0.800	2.9	2.000	4.5	4.000	6.2	7.000	8.1
0.200	3.4	1.000	3.3	2.200	4.7	4.500	6.6	7.500	8.4
0.300	3.6	1.200	3.6	2.400	4.9	5.000	6.9	8.000	8.6
0.400	3.6	1.400	3.8	2.600	5.1	5.500	7.2	8.500	8.9
0.500	3.6	1.600	4.1	3.000	5.4	6.000	7.5	9.000	9.1
0.600	3.5	1.800	4.3	3.500	5.8	6.500	7.8	9.500	9.4

Hydro-Brake® Optimum Manhole: S59, DS/PN: S6.003, Volume (m³): 4.4

Unit Reference MD-SHE-0100-5000-1400-5000  
Design Head (m) 1.400  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 100  
Invert Level (m) 39.220  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.400	5.0	Kick-Flo®	0.855	4.0
Flush-Flo™	0.416	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.3	0.800	4.3	2.000	5.9	4.000	8.2	7.000	10.7
0.200	4.6	1.000	4.3	2.200	6.2	4.500	8.6	7.500	11.0
0.300	4.9	1.200	4.7	2.400	6.4	5.000	9.1	8.000	11.4
0.400	5.0	1.400	5.0	2.600	6.7	5.500	9.5	8.500	11.7
0.500	5.0	1.600	5.3	3.000	7.1	6.000	9.9	9.000	12.0
0.600	4.9	1.800	5.6	3.500	7.7	6.500	10.3	9.500	12.3

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Hydro-Brake® Optimum Manhole: S36, DS/PN: S7.005, Volume (m³): 5.1

Unit Reference MD-SHE-0095-5000-1700-5000  
Design Head (m) 1.700  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 95  
Invert Level (m) 38.902  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.700	5.0	Kick-Flo®	0.851	3.6
Flush-Flo™	0.417	4.5	Mean Flow over Head Range	-	4.1

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.1	0.800	3.9	2.000	5.4	4.000	7.5	7.000	9.7
0.200	4.2	1.000	3.9	2.200	5.6	4.500	7.9	7.500	10.1
0.300	4.5	1.200	4.3	2.400	5.9	5.000	8.3	8.000	10.4
0.400	4.5	1.400	4.6	2.600	6.1	5.500	8.7	8.500	10.7
0.500	4.5	1.600	4.9	3.000	6.5	6.000	9.0	9.000	11.0
0.600	4.4	1.800	5.1	3.500	7.0	6.500	9.4	9.500	11.3

Hydro-Brake® Optimum Manhole: S35, DS/PN: S6.009, Volume (m³): 80.8

Unit Reference MD-SHE-0098-5000-1500-5000  
Design Head (m) 1.500  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 98  
Invert Level (m) 36.229  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.500	5.0	Kick-Flo®	0.878	3.9
Flush-Flo™	0.431	4.9	Mean Flow over Head Range	-	4.3

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.2	0.800	4.3	2.000	5.7	4.000	7.9	7.000	10.3
0.200	4.4	1.000	4.1	2.200	6.0	4.500	8.4	7.500	10.7
0.300	4.8	1.200	4.5	2.400	6.2	5.000	8.8	8.000	11.0
0.400	4.9	1.400	4.8	2.600	6.5	5.500	9.2	8.500	11.3
0.500	4.9	1.600	5.1	3.000	6.9	6.000	9.6	9.000	11.6
0.600	4.8	1.800	5.4	3.500	7.4	6.500	10.0	9.500	11.9

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Pump Manhole: S37, DS/PN: S6.011, Volume (m<sup>3</sup>): 20.9

Invert Level (m) 36.050

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	5.0000	0.700	5.0000	1.300	5.0000	1.900	5.0000	2.500	5.0000
0.200	5.0000	0.800	5.0000	1.400	5.0000	2.000	5.0000	2.600	5.0000
0.300	5.0000	0.900	5.0000	1.500	5.0000	2.100	5.0000	2.700	5.0000
0.400	5.0000	1.000	5.0000	1.600	5.0000	2.200	5.0000	2.800	5.0000
0.500	5.0000	1.100	5.0000	1.700	5.0000	2.300	5.0000	2.900	5.0000
0.600	5.0000	1.200	5.0000	1.800	5.0000	2.400	5.0000	3.000	0.0000

Hydro-Brake® Optimum Manhole: S8, DS/PN: S6.020, Volume (m<sup>3</sup>): 22.5

Unit Reference MD-SHE-0100-5000-1400-5000  
Design Head (m) 1.400  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 100  
Invert Level (m) 35.300  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.400	5.0	Kick-Flo®	0.855	4.0
Flush-Flo™	0.416	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.3	0.800	4.3	2.000	5.9	4.000	8.2	7.000	10.7
0.200	4.6	1.000	4.3	2.200	6.2	4.500	8.6	7.500	11.0
0.300	4.9	1.200	4.7	2.400	6.4	5.000	9.1	8.000	11.4
0.400	5.0	1.400	5.0	2.600	6.7	5.500	9.5	8.500	11.7
0.500	5.0	1.600	5.3	3.000	7.1	6.000	9.9	9.000	12.0
0.600	4.9	1.800	5.6	3.500	7.7	6.500	10.3	9.500	12.3

Pump Manhole: S30, DS/PN: S6.021, Volume (m<sup>3</sup>): 11.3

Invert Level (m) 35.200

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.200	5.0000	1.400	5.0000	2.600	0.0000	3.800	0.0000	5.000	0.0000
0.400	5.0000	1.600	5.0000	2.800	0.0000	4.000	0.0000	5.200	0.0000
0.600	5.0000	1.800	5.0000	3.000	0.0000	4.200	0.0000	5.400	0.0000
0.800	5.0000	2.000	5.0000	3.200	0.0000	4.400	0.0000	5.600	0.0000
1.000	5.0000	2.200	5.0000	3.400	0.0000	4.600	0.0000	5.800	0.0000
1.200	5.0000	2.400	5.0000	3.600	0.0000	4.800	0.0000	6.000	0.0000

Hydro-Brake® Optimum Manhole: S40, DS/PN: S6.028, Volume (m<sup>3</sup>): 6.1

Unit Reference MD-SHE-0095-5000-1700-5000  
Design Head (m) 1.700  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage

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Hydro-Brake® Optimum Manhole: S40, DS/PN: S6.028, Volume (m³): 6.1

Application Surface  
Sump Available Yes  
Diameter (mm) 95  
Invert Level (m) 30.936  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.700	5.0	Kick-Flo®	0.851	3.6
Flush-Flo™	0.417	4.5	Mean Flow over Head Range	-	4.1

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.1	0.800	3.9	2.000	5.4	4.000	7.5	7.000	9.7
0.200	4.2	1.000	3.9	2.200	5.6	4.500	7.9	7.500	10.1
0.300	4.5	1.200	4.3	2.400	5.9	5.000	8.3	8.000	10.4
0.400	4.5	1.400	4.6	2.600	6.1	5.500	8.7	8.500	10.7
0.500	4.5	1.600	4.9	3.000	6.5	6.000	9.0	9.000	11.0
0.600	4.4	1.800	5.1	3.500	7.0	6.500	9.4	9.500	11.3

Hydro-Brake® Optimum Manhole: S47, DS/PN: S6.035, Volume (m³): 10.8

Unit Reference MD-SHE-0101-5000-1300-5000  
Design Head (m) 1.300  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 101  
Invert Level (m) 23.072  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.300	5.0	Kick-Flo®	0.798	4.0
Flush-Flo™	0.384	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.4	0.800	4.0	2.000	6.1	4.000	8.5	7.000	11.0
0.200	4.7	1.000	4.4	2.200	6.4	4.500	9.0	7.500	11.4
0.300	4.9	1.200	4.8	2.400	6.7	5.000	9.4	8.000	11.8
0.400	5.0	1.400	5.2	2.600	6.9	5.500	9.8	8.500	12.1
0.500	4.9	1.600	5.5	3.000	7.4	6.000	10.3	9.000	12.5
0.600	4.8	1.800	5.8	3.500	7.9	6.500	10.7	9.500	12.8

Hydro-Brake® Optimum Manhole: S36, DS/PN: S4.031, Volume (m³): 19.7

Unit Reference MD-SHE-0097-5000-1600-5000  
Design Head (m) 1.600  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage

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Hydro-Brake® Optimum Manhole: S36, DS/PN: S4.031, Volume (m³): 19.7

Application Surface  
 Sump Available Yes  
 Diameter (mm) 97  
 Invert Level (m) 8.992  
 Minimum Outlet Pipe Diameter (mm) 150  
 Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.600	5.0	Kick-Flo®	0.865	3.8
Flush-Flo™	0.425	4.7	Mean Flow over Head Range	-	4.2

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.1	0.800	4.1	2.000	5.5	4.000	7.7	7.000	10.0
0.200	4.3	1.000	4.0	2.200	5.8	4.500	8.1	7.500	10.3
0.300	4.6	1.200	4.4	2.400	6.0	5.000	8.5	8.000	10.7
0.400	4.7	1.400	4.7	2.600	6.3	5.500	8.9	8.500	11.0
0.500	4.7	1.600	5.0	3.000	6.7	6.000	9.3	9.000	11.3
0.600	4.6	1.800	5.3	3.500	7.2	6.500	9.7	9.500	11.6

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Storage Structures for SLR-AB-13

Tank or Pond Manhole: S10, DS/PN: S4.005

Invert Level (m) 31.775

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	1.400	2000.0

Tank or Pond Manhole: S18, DS/PN: S4.013

Invert Level (m) 25.296

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	1.400	2000.0

Tank or Pond Manhole: S30, DS/PN: S4.025

Invert Level (m) 9.328

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	1200.0	3.000	5000.0

Tank or Pond Manhole: S59, DS/PN: S6.003

Invert Level (m) 39.220

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	1.500	2000.0

Tank or Pond Manhole: S35, DS/PN: S7.004

Invert Level (m) 38.956

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	1.200	2000.0

Tank or Pond Manhole: S35, DS/PN: S6.009

Invert Level (m) 36.229

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	2.000	2500.0

Tank or Pond Manhole: S8, DS/PN: S6.020

Invert Level (m) 35.300

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	750.0	2.000	3596.0

Tank or Pond Manhole: S40, DS/PN: S6.028

Invert Level (m) 30.936



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Tank or Pond Manhole: S40, DS/PN: S6.028

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	1.800	1500.0

Tank or Pond Manhole: S47, DS/PN: S6.035

Invert Level (m) 23.072

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	1.800	2000.0

Tank or Pond Manhole: S35, DS/PN: S4.030

Invert Level (m) 9.038

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	250.0	1.200	750.0

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m³/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 12 Number of Storage Structures 10 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.
S4.000	S5	15 Winter	2	+0%	100/15 Winter				35.865	-0.261	0.000	0.19
S4.001	S6	15 Winter	2	+0%	100/15 Summer				35.195	-0.255	0.000	0.22
S4.002	S7	15 Winter	2	+0%	30/15 Summer				33.773	-0.177	0.000	0.50
S4.003	S8	15 Winter	2	+0%	30/15 Winter				33.359	-0.191	0.000	0.47
S4.004	S9	15 Winter	2	+0%					32.691	-0.259	0.000	0.21
S4.005	S10	360 Winter	2	+0%	100/60 Summer				31.952	-0.198	0.000	0.03
S4.006	S11	360 Winter	2	+0%					31.604	-0.336	0.000	0.02
S4.007	S12	15 Winter	2	+0%					31.385	-0.265	0.000	0.17
S4.008	S13	15 Winter	2	+0%					31.131	-0.308	0.000	0.07
S4.009	S14	15 Winter	2	+0%	100/15 Summer				26.151	-0.283	0.000	0.27
S4.010	S15	15 Winter	2	+0%	100/15 Summer				25.905	-0.258	0.000	0.37
S4.011	S16	15 Winter	2	+0%	100/2160 Winter				25.725	-0.322	0.000	0.18
S4.012	S17	15 Winter	2	+0%	100/15 Summer				25.565	-0.215	0.000	0.54
S4.013	S18	960 Winter	2	+0%	100/180 Winter				25.536	-0.210	0.000	0.05
S4.014	S19	15 Winter	2	+0%					25.329	-0.382	0.000	0.05
S4.015	S20	15 Winter	2	+0%					25.249	-0.403	0.000	0.02
S4.016	S21	15 Winter	2	+0%					24.908	-0.422	0.000	0.08
S4.017	S22	15 Winter	2	+0%					24.739	-0.403	0.000	0.12
S4.018	S23	15 Winter	2	+0%					24.474	-0.471	0.000	0.02
S4.019	S24	15 Winter	2	+0%					15.761	-0.449	0.000	0.05
S4.020	S25	15 Winter	2	+0%					13.572	-0.418	0.000	0.09
S5.000	S26	15 Winter	2	+0%					25.481	-0.142	0.000	0.04
S5.001	S27	15 Winter	2	+0%					25.180	-0.102	0.000	0.14
S5.002	S28	15 Winter	2	+0%	100/15 Summer				24.306	-0.062	0.000	0.34
S5.003	S29	15 Winter	2	+0%	30/15 Summer				23.851	-0.052	0.000	0.41
S5.004	S30	15 Winter	2	+0%					23.113	-0.105	0.000	0.13
S5.005	S31	15 Winter	2	+0%					14.496	-0.173	0.000	0.12
S4.021	S26	15 Winter	2	+0%					13.271	-0.449	0.000	0.05
S4.022	S27	15 Winter	2	+0%					11.617	-0.410	0.000	0.11
S4.023	S28	15 Winter	2	+0%					10.611	-0.419	0.000	0.09
S4.024	S29	5760 Winter	2	+0%	30/4320 Winter				10.288	-0.087	0.000	0.01
S4.025	S30	5760 Winter	2	+0%	2/5760 Winter				10.288	0.060	0.000	0.00
S4.026	S31	5760 Winter	2	+0%	5/5760 Winter				10.358	-0.162	0.000	0.00
S4.027	S32	5760 Winter	2	+0%	5/5760 Winter				10.329	-0.099	0.000	0.00

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S4.000	S5		29.7	OK	
S4.001	S6		51.5	OK	
S4.002	S7		61.1	OK	
S4.003	S8		71.2	OK	
S4.004	S9		72.9	OK	
S4.005	S10		4.5	OK	
S4.006	S11		4.5	OK	
S4.007	S12		16.5	OK	
S4.008	S13		31.3	OK	
S4.009	S14		44.2	OK	
S4.010	S15		51.3	OK	
S4.011	S16		52.1	OK	
S4.012	S17		52.0	OK	
S4.013	S18		4.5	OK	
S4.014	S19		7.3	OK	
S4.015	S20		7.5	OK	
S4.016	S21		15.6	OK	
S4.017	S22		23.8	OK	
S4.018	S23		31.2	OK	
S4.019	S24		36.9	OK	
S4.020	S25		37.1	OK	
S5.000	S26		2.1	OK	
S5.001	S27		7.0	OK	
S5.002	S28		11.2	OK	
S5.003	S29		14.5	OK	
S5.004	S30		16.5	OK	
S5.005	S31		16.5	OK	
S4.021	S26		51.0	OK	
S4.022	S27		60.2	OK	
S4.023	S28		68.4	OK	
S4.024	S29		5.3	OK	
S4.025	S30		0.4	SURCHARGED	
S4.026	S31		0.4	OK	
S4.027	S32		0.4	OK	

Sizewell Link Road  
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Date 30/09/2021  
File SLR-AB-13 p03.MDX

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Network 2019.1

2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)
S6.000	S56	15 Winter	2	+0%	100/15 Summer				40.321	-0.179	0.000
S6.001	S57	15 Winter	2	+0%	30/15 Summer				39.759	-0.142	0.000
S6.002	S58	15 Winter	2	+0%	30/15 Summer				39.543	-0.136	0.000
S6.003	S59	360 Winter	2	+0%	100/360 Winter				39.309	-0.211	0.000
S6.004	S60	360 Winter	2	+0%	100/15 Summer				39.229	-0.263	0.000
S6.005	S61	15 Winter	2	+0%	100/15 Summer				39.091	-0.245	0.000
S6.006	S62	15 Winter	2	+0%	100/15 Summer				38.667	-0.276	0.000
S6.007	S63	15 Winter	2	+0%	100/15 Summer				38.404	-0.283	0.000
S7.000	S31	15 Winter	2	+0%	100/15 Summer				40.128	-0.247	0.000
S7.001	S32	15 Winter	2	+0%	100/15 Summer				39.771	-0.193	0.000
S7.002	S33	15 Winter	2	+0%	100/15 Summer				39.463	-0.188	0.000
S7.003	S34	15 Winter	2	+0%	100/15 Summer				39.217	-0.239	0.000
S7.004	S35	360 Winter	2	+0%	100/240 Winter				39.094	-0.312	0.000
S7.005	S36	480 Winter	2	+0%	100/120 Winter				39.095	-0.257	0.000
S7.006	S37	15 Winter	2	+0%					38.964	-0.347	0.000
S7.007	S38	15 Winter	2	+0%					38.625	-0.333	0.000
S7.008	S65	30 Winter	2	+0%	2/30 Winter				38.167	0.000	0.000
S6.008	S64	15 Winter	2	+0%	100/15 Summer				38.153	-0.235	0.000
S8.000	S39	15 Winter	2	+0%					39.191	-0.284	0.000
S8.001	S40	15 Winter	2	+0%					39.037	-0.260	0.000
S8.002	S41	15 Winter	2	+0%	100/15 Winter				38.739	-0.252	0.000
S8.003	S42	15 Winter	2	+0%	100/15 Summer				38.539	-0.241	0.000
S8.004	S43	15 Winter	2	+0%	100/15 Summer				38.062	-0.218	0.000
S9.000	S40	15 Winter	2	+0%					39.176	-0.299	0.000
S9.001	S44	15 Winter	2	+0%					39.119	-0.306	0.000
S9.002	S45	15 Winter	2	+0%					38.753	-0.272	0.000
S9.003	S46	15 Winter	2	+0%					37.575	-0.501	0.000
S9.004	S47	15 Winter	2	+0%					37.530	-0.508	0.000
S9.005	S48	15 Winter	2	+0%					37.487	-0.507	0.000
S9.006	S49	15 Winter	2	+0%	100/1440 Winter				37.379	-0.510	0.000
S9.007	S50	15 Winter	2	+0%	100/720 Winter				37.240	-0.468	0.000
S8.005	S44	15 Winter	2	+0%	100/480 Winter				37.229	-0.378	0.000
S8.006	S45	960 Winter	2	+0%	100/480 Winter				36.798	-0.789	0.000
S8.007	S34	960 Winter	2	+0%	100/360 Winter				36.798	-0.705	0.000
S6.009	S35	960 Winter	2	+0%	100/360 Summer				36.798	-0.631	0.000
S6.010	S36	2160 Summer	2	+0%					36.154	-1.146	0.000
S6.011	S37	2160 Summer	2	+0%	100/720 Winter				36.147	-0.003	0.000
S6.012	S1	15 Winter	2	+0%					39.809	-0.361	0.000
S6.013	S2	15 Winter	2	+0%					39.304	-0.354	0.000
S6.014	S3	15 Winter	2	+0%	100/15 Winter				38.160	-0.300	0.000
S6.015	S4	15 Winter	2	+0%					37.687	-0.388	0.000
S6.016	S5	15 Winter	2	+0%	100/15 Summer				36.917	-0.318	0.000
S6.017	S6	15 Winter	2	+0%	100/15 Summer				36.618	-0.290	0.000
S6.018	S7	15 Winter	2	+0%	100/15 Summer				36.499	-0.281	0.000
S10.000	S84	15 Winter	2	+0%					37.355	-0.470	0.000
S10.001	S23	15 Winter	2	+0%	100/240 Winter				36.250	-0.375	0.000
S10.002	S8	5760 Winter	2	+0%	30/4320 Winter				36.143	-0.382	0.000
S10.003	S9	5760 Winter	2	+0%	5/2880 Winter				36.143	-0.082	0.000
S6.019	S7	5760 Winter	2	+0%	2/4320 Winter				36.143	0.043	0.000
S11.000	S8	15 Winter	2	+0%					39.161	-0.399	0.000
S11.001	S9	15 Winter	2	+0%	100/15 Winter				38.622	-0.358	0.000
S11.002	S10	15 Winter	2	+0%	100/15 Summer				38.392	-0.363	0.000
S11.003	S11	15 Winter	2	+0%	100/15 Summer				37.972	-0.343	0.000
S11.004	S12	15 Winter	2	+0%	100/15 Summer				37.683	-0.292	0.000
S11.005	S13	15 Winter	2	+0%	100/15 Summer				37.564	-0.265	0.000
S11.006	S14	15 Winter	2	+0%	30/15 Winter				37.428	-0.239	0.000
S11.007	S15	15 Winter	2	+0%	30/15 Winter				37.381	-0.241	0.000
S11.008	S16	15 Winter	2	+0%	30/15 Winter				37.298	-0.224	0.000
S11.009	S17	15 Winter	2	+0%	30/15 Winter				37.188	-0.215	0.000
S11.010	S18	15 Winter	2	+0%	30/15 Winter				37.067	-0.207	0.000
S11.011	S19	15 Winter	2	+0%	30/15 Winter				36.973	-0.219	0.000

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Overflow Cap.	Pipe Flow (l/s)	Status	Level Exceeded
S6.000	S56	0.31	26.1	OK	
S6.001	S57	0.52	34.5	OK	
S6.002	S58	0.58	38.0	OK	
S6.003	S59	0.05	2.4	OK	
S6.004	S60	0.04	2.4	OK	
S6.005	S61	0.24	29.3	OK	
S6.006	S62	0.29	45.3	OK	
S6.007	S63	0.28	47.4	OK	
S7.000	S31	0.23	28.0	OK	
S7.001	S32	0.43	46.4	OK	
S7.002	S33	0.49	54.1	OK	
S7.003	S34	0.45	58.0	OK	
S7.004	S35	0.03	4.0	OK	
S7.005	S36	0.04	3.8	OK	
S7.006	S37	0.11	20.5	OK	
S7.007	S38	0.15	33.0	OK	
S7.008	S65	0.12	37.2	SURCHARGED	
S6.008	S64	0.46	84.9	OK	
S8.000	S39	0.13	17.9	OK	
S8.001	S40	0.20	28.8	OK	
S8.002	S41	0.23	32.3	OK	
S8.003	S42	0.27	39.4	OK	
S8.004	S43	0.36	39.1	OK	
S9.000	S40	0.07	4.7	OK	
S9.001	S44	0.08	16.6	OK	
S9.002	S45	0.17	28.4	OK	
S9.003	S46	0.13	33.5	OK	
S9.004	S47	0.12	36.9	OK	
S9.005	S48	0.12	43.6	OK	
S9.006	S49	0.12	46.3	OK	
S9.007	S50	0.10	46.6	OK	
S8.005	S44	0.40	78.9	OK	
S8.006	S45	0.01	9.3	OK	
S8.007	S34	0.01	8.5	OK	
S6.009	S35	0.00	4.9	OK	
S6.010	S36	0.00	4.9	OK	
S6.011	S37	2.64	4.9	OK	
S6.012	S1	0.08	17.7	OK	
S6.013	S2	0.10	33.8	OK	
S6.014	S3	0.23	47.6	OK	
S6.015	S4	0.15	62.4	OK	
S6.016	S5	0.31	72.4	OK	
S6.017	S6	0.40	78.9	OK	
S6.018	S7	0.44	87.0	OK	
S10.000	S84	0.02	13.6	OK	
S10.001	S23	0.16	24.7	OK	
S10.002	S8	0.00	1.0	OK	
S10.003	S9	0.00	1.2	OK	
S6.019	S7	0.02	8.6	SURCHARGED	
S11.000	S8	0.03	9.2	OK	
S11.001	S9	0.09	17.4	OK	
S11.002	S10	0.08	22.5	OK	
S11.003	S11	0.13	30.6	OK	
S11.004	S12	0.26	42.3	OK	
S11.005	S13	0.35	56.5	OK	
S11.006	S14	0.45	59.1	OK	
S11.007	S15	0.41	64.4	OK	
S11.008	S16	0.49	71.4	OK	
S11.009	S17	0.52	76.8	OK	
S11.010	S18	0.56	78.4	OK	

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S11.011	S19	0.52	80.6	OK	

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)
S11.012	S20	30 Winter	2	+0%	100/15 Summer				36.783	-0.263	0.000
S11.013	S21	30 Winter	2	+0%	100/15 Summer				36.700	-0.244	0.000
S12.000	S99	15 Winter	2	+0%					38.004	-0.346	0.000
S12.001	S142	15 Winter	2	+0%					38.002	-0.288	0.000
S12.002	S100	15 Winter	2	+0%					37.881	-0.369	0.000
S12.003	S26	15 Winter	2	+0%					37.674	-0.292	0.000
S12.004	S27	15 Winter	2	+0%					37.471	-0.315	0.000
S12.005	S27	15 Winter	2	+0%					37.387	-0.292	0.000
S6.020	S8	5760 Winter	2	+0%	2/2160 Winter				36.142	0.092	0.000
S6.021	S30	4320 Summer	2	+0%					35.400	-0.625	0.000
S6.022	S102	1440 Winter	2	+0%	2/15 Summer				37.765	2.565	0.000
S6.023	S1	15 Winter	2	+0%	100/15 Summer				35.396	-0.179	0.000
S6.024	S2	15 Winter	2	+0%	100/15 Summer				34.803	-0.224	0.000
S6.025	S3	15 Winter	2	+0%					34.431	-0.259	0.000
S6.026	S4	15 Winter	2	+0%	100/15 Summer				32.421	-0.254	0.000
S6.027	S39	15 Winter	2	+0%	100/5760 Summer				31.964	-0.342	0.000
S6.028	S40	5760 Winter	2	+0%	2/1440 Winter				31.625	0.239	0.000
S6.029	S41	5760 Winter	2	+0%					30.947	-0.401	0.000
S6.030	S42	15 Winter	2	+0%					30.888	-0.357	0.000
S6.031	S43	15 Winter	2	+0%					30.530	-0.345	0.000
S6.032	S44	15 Winter	2	+0%					29.799	-0.364	0.000
S6.033	S45	15 Winter	2	+0%					26.706	-0.349	0.000
S6.034	S46	15 Winter	2	+0%					24.885	-0.365	0.000
S13.000	S47	15 Winter	2	+0%					26.305	-0.330	0.000
S13.001	S116	15 Winter	2	+0%					25.150	-0.303	0.000
S13.002	S48	15 Winter	2	+0%					23.963	-0.309	0.000
S6.035	S47	5760 Winter	2	+0%	30/480 Winter				23.422	-0.100	0.000
S6.036	S48	15 Winter	2	+0%					23.028	-0.431	0.000
S14.000	S49	15 Winter	2	+0%					26.306	-0.254	0.000
S14.001	S50	15 Winter	2	+0%					25.051	-0.239	0.000
S14.002	S51	15 Winter	2	+0%					24.126	-0.236	0.000
S6.037	S49	15 Winter	2	+0%					22.965	-0.425	0.000
S6.038	S50	15 Winter	2	+0%					22.455	-0.440	0.000
S6.039	S51	15 Winter	2	+0%					19.900	-0.435	0.000
S6.040	S52	15 Winter	2	+0%					18.066	-0.429	0.000
S6.041	S52	15 Winter	2	+0%					16.172	-0.363	0.000
S6.042	S53	15 Winter	2	+0%					15.636	-0.439	0.000
S15.000	S54	15 Winter	2	+0%					25.550	-0.170	0.000
S15.001	S55	15 Winter	2	+0%					23.885	-0.115	0.000
S15.002	S56	15 Winter	2	+0%					20.888	-0.112	0.000
S15.003	S57	15 Winter	2	+0%					16.246	-0.259	0.000
S6.043	S54	15 Winter	2	+0%					13.752	-0.427	0.000
S6.044	S55	15 Winter	2	+0%	100/15 Summer				10.445	-0.354	0.000
S6.045	S56	5760 Winter	2	+0%	100/1440 Winter				10.331	-0.348	0.000
S4.028	S33	5760 Winter	2	+0%	2/2160 Winter				10.330	0.300	0.000
S4.029	S34	5760 Winter	2	+0%	2/2160 Summer				10.330	0.326	0.000
S4.030	S35	5760 Winter	2	+0%	2/1440 Summer				10.330	0.392	0.000
S4.031	S36	4320 Winter	2	+0%	2/960 Summer	100/5760 Winter			10.459	0.567	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S11.012	S20	0.42		81.5	OK	
S11.013	S21	0.56		82.4	OK	
S12.000	S99	0.01		1.7	OK	
S12.001	S142	0.24		22.7	OK	
S12.002	S100	0.08		22.7	OK	
S12.003	S26	0.23		31.0	OK	
S12.004	S27	0.19		33.5	OK	



Sizewell Link Road

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S12.005	S27	0.27		35.0	OK	
S6.020	S8	0.01		5.0	SURCHARGED	
S6.021	S30	0.01		5.0	OK	
S6.022	S102	2.70		5.0	SURCHARGED	
S6.023	S1	0.31		25.9	OK	
S6.024	S2	0.32		39.2	OK	
S6.025	S3	0.20		56.2	OK	
S6.026	S4	0.37		68.8	OK	
S6.027	S39	0.13		69.1	OK	
S6.028	S40	0.03		4.5	SURCHARGED	
S6.029	S41	0.03		4.5	OK	
S6.030	S42	0.09		16.6	OK	
S6.031	S43	0.12		31.1	OK	
S6.032	S44	0.08		45.5	OK	
S6.033	S45	0.11		55.8	OK	
S6.034	S46	0.08		59.4	OK	
S13.000	S47	0.03		8.1	OK	
S13.001	S116	0.08		20.0	OK	
S13.002	S48	0.07		19.9	OK	
S6.035	S47	0.03		5.0	OK	
S6.036	S48	0.06		11.1	OK	
S14.000	S49	0.05		7.7	OK	
S14.001	S50	0.09		12.4	OK	
S14.002	S51	0.10		13.6	OK	
S6.037	S49	0.08		33.4	OK	
S6.038	S50	0.06		49.2	OK	
S6.039	S51	0.07		52.7	OK	
S6.040	S52	0.08		61.1	OK	
S6.041	S52	0.20		67.5	OK	
S6.042	S53	0.06		67.7	OK	
S15.000	S54	0.01		3.8	OK	
S15.001	S55	0.09		7.1	OK	
S15.002	S56	0.10		10.2	OK	
S15.003	S57	0.04		11.8	OK	
S6.043	S54	0.08		86.8	OK	
S6.044	S55	0.34		93.5	OK	
S6.045	S56	0.01		7.8	OK	
S4.028	S33	0.01		5.0	SURCHARGED	
S4.029	S34	0.01		5.0	SURCHARGED	
S4.030	S35	0.01		4.8	SURCHARGED	
S4.031	S36	0.01		3.8	SURCHARGED	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 12 Number of Storage Structures 10 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S4.000	S5	15 Winter	5	+0%	100/15 Winter				35.883	-0.243	0.000	0.25
S4.001	S6	15 Winter	5	+0%	100/15 Summer				35.216	-0.234	0.000	0.29
S4.002	S7	15 Winter	5	+0%	30/15 Summer				33.815	-0.135	0.000	0.68
S4.003	S8	15 Winter	5	+0%	30/15 Winter				33.396	-0.154	0.000	0.63
S4.004	S9	15 Winter	5	+0%					32.711	-0.239	0.000	0.28
S4.005	S10	360 Winter	5	+0%	100/60 Summer				31.995	-0.155	0.000	0.03
S4.006	S11	360 Winter	5	+0%					31.605	-0.335	0.000	0.03
S4.007	S12	15 Winter	5	+0%					31.404	-0.246	0.000	0.24
S4.008	S13	15 Winter	5	+0%					31.143	-0.296	0.000	0.10
S4.009	S14	15 Winter	5	+0%	100/15 Summer				26.181	-0.253	0.000	0.37
S4.010	S15	15 Winter	5	+0%	100/15 Summer				25.940	-0.223	0.000	0.50
S4.011	S16	15 Winter	5	+0%	100/2160 Winter				25.746	-0.301	0.000	0.24
S4.012	S17	15 Winter	5	+0%	100/15 Summer				25.614	-0.166	0.000	0.72
S4.013	S18	960 Winter	5	+0%	100/180 Winter				25.587	-0.159	0.000	0.05
S4.014	S19	15 Winter	5	+0%					25.342	-0.369	0.000	0.07
S4.015	S20	15 Winter	5	+0%					25.254	-0.398	0.000	0.03
S4.016	S21	15 Winter	5	+0%					24.923	-0.407	0.000	0.10
S4.017	S22	15 Winter	5	+0%					24.759	-0.383	0.000	0.16
S4.018	S23	15 Winter	5	+0%					24.479	-0.465	0.000	0.03
S4.019	S24	15 Winter	5	+0%					15.773	-0.437	0.000	0.07
S4.020	S25	15 Winter	5	+0%					13.586	-0.404	0.000	0.12
S5.000	S26	15 Winter	5	+0%					25.488	-0.135	0.000	0.05
S5.001	S27	15 Winter	5	+0%					25.192	-0.090	0.000	0.19
S5.002	S28	15 Winter	5	+0%	100/15 Summer				24.323	-0.045	0.000	0.47
S5.003	S29	15 Winter	5	+0%	30/15 Summer				23.870	-0.033	0.000	0.57
S5.004	S30	15 Winter	5	+0%					23.125	-0.093	0.000	0.18
S5.005	S31	15 Winter	5	+0%					14.505	-0.164	0.000	0.17
S4.021	S26	15 Winter	5	+0%					13.284	-0.436	0.000	0.07
S4.022	S27	15 Winter	5	+0%					11.634	-0.393	0.000	0.14
S4.023	S28	15 Winter	5	+0%					10.625	-0.405	0.000	0.12
S4.024	S29	5760 Winter	5	+0%	100/1440 Winter				10.075	-0.300	0.000	0.01
S4.025	S30	5760 Winter	5	+0%	30/4320 Winter				10.075	-0.153	0.000	0.00
S4.026	S31	5760 Winter	5	+0%	100/2160 Winter				10.076	-0.444	0.000	0.00
S4.027	S32	5760 Winter	5	+0%	100/720 Winter				10.103	-0.325	0.000	0.00

Sizewell Link Road  
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Date 30/09/2021

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S4.000	S5		40.1	OK	
S4.001	S6		69.5	OK	
S4.002	S7		82.5	OK	
S4.003	S8		95.9	OK	
S4.004	S9		97.9	OK	
S4.005	S10		4.7	OK	
S4.006	S11		4.7	OK	
S4.007	S12		22.3	OK	
S4.008	S13		42.3	OK	
S4.009	S14		59.7	OK	
S4.010	S15		68.3	OK	
S4.011	S16		69.8	OK	
S4.012	S17		69.5	OK	
S4.013	S18		4.7	OK	
S4.014	S19		9.8	OK	
S4.015	S20		10.0	OK	
S4.016	S21		21.2	OK	
S4.017	S22		31.5	OK	
S4.018	S23		40.6	OK	
S4.019	S24		48.2	OK	
S4.020	S25		48.5	OK	
S5.000	S26		2.8	OK	
S5.001	S27		9.4	OK	
S5.002	S28		15.3	OK	
S5.003	S29		19.9	OK	
S5.004	S30		22.7	OK	
S5.005	S31		22.7	OK	
S4.021	S26		68.0	OK	
S4.022	S27		79.9	OK	
S4.023	S28		91.5	OK	
S4.024	S29		6.2	OK	
S4.025	S30		0.5	SURCHARGED	
S4.026	S31		0.5	SURCHARGED	
S4.027	S32		0.5	SURCHARGED	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)
S6.000	S56	15	Winter	5	+0%	100/15	Summer		40.343	-0.157	0.000
S6.001	S57	15	Winter	5	+0%	30/15	Summer		39.793	-0.108	0.000
S6.002	S58	15	Winter	5	+0%	30/15	Summer		39.579	-0.099	0.000
S6.003	S59	360	Winter	5	+0%	100/360	Winter		39.329	-0.192	0.000
S6.004	S60	360	Winter	5	+0%	100/15	Summer		39.232	-0.260	0.000
S6.005	S61	15	Winter	5	+0%	100/15	Summer		39.115	-0.221	0.000
S6.006	S62	15	Winter	5	+0%	100/15	Summer		38.698	-0.245	0.000
S6.007	S63	15	Winter	5	+0%	100/15	Summer		38.434	-0.252	0.000
S7.000	S31	15	Winter	5	+0%	100/15	Summer		40.152	-0.223	0.000
S7.001	S32	15	Winter	5	+0%	100/15	Summer		39.807	-0.157	0.000
S7.002	S33	15	Winter	5	+0%	100/15	Summer		39.501	-0.150	0.000
S7.003	S34	15	Winter	5	+0%	100/15	Summer		39.257	-0.199	0.000
S7.004	S35	360	Winter	5	+0%	100/240	Winter		39.128	-0.278	0.000
S7.005	S36	480	Winter	5	+0%	100/120	Winter		39.140	-0.213	0.000
S7.006	S37	15	Winter	5	+0%				38.981	-0.329	0.000
S7.007	S38	15	Winter	5	+0%				38.647	-0.312	0.000
S7.008	S65	15	Winter	5	+0%	2/30	Winter		38.203	0.036	0.000
S6.008	S64	15	Winter	5	+0%	100/15	Summer		38.193	-0.196	0.000
S8.000	S39	15	Winter	5	+0%				39.208	-0.267	0.000
S8.001	S40	15	Winter	5	+0%				39.057	-0.240	0.000
S8.002	S41	15	Winter	5	+0%	100/15	Winter		38.761	-0.230	0.000
S8.003	S42	15	Winter	5	+0%	100/15	Summer		38.563	-0.216	0.000
S8.004	S43	15	Winter	5	+0%	100/15	Summer		38.092	-0.188	0.000
S9.000	S40	15	Winter	5	+0%				39.187	-0.288	0.000
S9.001	S44	15	Winter	5	+0%				39.131	-0.294	0.000
S9.002	S45	15	Winter	5	+0%				38.772	-0.253	0.000
S9.003	S46	15	Winter	5	+0%				37.606	-0.470	0.000
S9.004	S47	15	Winter	5	+0%				37.560	-0.478	0.000
S9.005	S48	15	Winter	5	+0%				37.518	-0.476	0.000
S9.006	S49	15	Winter	5	+0%	100/1440	Winter		37.412	-0.477	0.000
S9.007	S50	15	Winter	5	+0%	100/720	Winter		37.294	-0.415	0.000
S8.005	S44	15	Winter	5	+0%	100/480	Winter		37.280	-0.328	0.000
S8.006	S45	1440	Winter	5	+0%	100/480	Winter		36.918	-0.669	0.000
S8.007	S34	1440	Winter	5	+0%	100/360	Winter		36.918	-0.585	0.000
S6.009	S35	1440	Winter	5	+0%	100/360	Summer		36.918	-0.511	0.000
S6.010	S36	5760	Summer	5	+0%				36.154	-1.146	0.000
S6.011	S37	5760	Summer	5	+0%	100/720	Winter		36.147	-0.003	0.000
S6.012	S1	15	Winter	5	+0%				39.822	-0.348	0.000
S6.013	S2	15	Winter	5	+0%				39.319	-0.339	0.000
S6.014	S3	15	Winter	5	+0%	100/15	Winter		38.187	-0.273	0.000
S6.015	S4	15	Winter	5	+0%				37.712	-0.363	0.000
S6.016	S5	15	Winter	5	+0%	100/15	Summer		36.955	-0.280	0.000
S6.017	S6	15	Winter	5	+0%	100/15	Summer		36.664	-0.244	0.000
S6.018	S7	15	Winter	5	+0%	100/15	Summer		36.547	-0.234	0.000
S10.000	S84	15	Winter	5	+0%				37.362	-0.463	0.000
S10.001	S23	5760	Winter	5	+0%	100/240	Winter		36.315	-0.310	0.000
S10.002	S8	5760	Winter	5	+0%	30/4320	Winter		36.315	-0.210	0.000
S10.003	S9	5760	Winter	5	+0%	5/2880	Winter		36.315	0.090	0.000
S6.019	S7	5760	Winter	5	+0%	2/4320	Winter		36.315	0.215	0.000
S11.000	S8	15	Winter	5	+0%				39.168	-0.392	0.000
S11.001	S9	15	Winter	5	+0%	100/15	Winter		38.635	-0.345	0.000
S11.002	S10	15	Winter	5	+0%	100/15	Summer		38.405	-0.350	0.000
S11.003	S11	15	Winter	5	+0%	100/15	Summer		37.990	-0.325	0.000
S11.004	S12	15	Winter	5	+0%	100/15	Summer		37.712	-0.263	0.000
S11.005	S13	15	Winter	5	+0%	100/15	Summer		37.598	-0.231	0.000
S11.006	S14	15	Winter	5	+0%	30/15	Winter		37.471	-0.196	0.000
S11.007	S15	15	Winter	5	+0%	30/15	Winter		37.425	-0.197	0.000
S11.008	S16	15	Winter	5	+0%	30/15	Winter		37.344	-0.178	0.000
S11.009	S17	15	Winter	5	+0%	30/15	Winter		37.237	-0.166	0.000
S11.010	S18	15	Winter	5	+0%	30/15	Winter		37.120	-0.154	0.000
S11.011	S19	15	Winter	5	+0%	30/15	Winter		37.022	-0.170	0.000

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S6.000	S56	0.42		35.2	OK	
S6.001	S57	0.70		46.6	OK	
S6.002	S58	0.78		51.3	OK	
S6.003	S59	0.06		2.9	OK	
S6.004	S60	0.04		2.9	OK	
S6.005	S61	0.33		39.4	OK	
S6.006	S62	0.39		61.0	OK	
S6.007	S63	0.38		63.8	OK	
S7.000	S31	0.31		37.8	OK	
S7.001	S32	0.59		62.8	OK	
S7.002	S33	0.65		72.3	OK	
S7.003	S34	0.60		77.6	OK	
S7.004	S35	0.04		4.8	OK	
S7.005	S36	0.04		4.2	OK	
S7.006	S37	0.15		27.7	OK	
S7.007	S38	0.20		44.3	OK	
S7.008	S65	0.17		52.1	SURCHARGED	
S6.008	S64	0.61		113.1	OK	
S8.000	S39	0.18		24.1	OK	
S8.001	S40	0.27		38.9	OK	
S8.002	S41	0.31		43.5	OK	
S8.003	S42	0.36		53.2	OK	
S8.004	S43	0.49		52.6	OK	
S9.000	S40	0.10		6.3	OK	
S9.001	S44	0.10		22.4	OK	
S9.002	S45	0.23		38.5	OK	
S9.003	S46	0.18		45.4	OK	
S9.004	S47	0.16		49.8	OK	
S9.005	S48	0.16		58.8	OK	
S9.006	S49	0.16		62.2	OK	
S9.007	S50	0.13		60.9	OK	
S8.005	S44	0.52		103.3	OK	
S8.006	S45	0.01		8.1	OK	
S8.007	S34	0.01		7.4	OK	
S6.009	S35	0.00		4.9	OK	
S6.010	S36	0.00		4.9	OK	
S6.011	S37	2.64		4.9	OK	
S6.012	S1	0.11		24.0	OK	
S6.013	S2	0.14		45.7	OK	
S6.014	S3	0.31		64.4	OK	
S6.015	S4	0.20		84.5	OK	
S6.016	S5	0.42		97.7	OK	
S6.017	S6	0.54		106.2	OK	
S6.018	S7	0.59		117.0	OK	
S10.000	S84	0.03		18.4	OK	
S10.001	S23	0.00		0.7	OK	
S10.002	S8	0.00		1.1	OK	
S10.003	S9	0.00		1.3	SURCHARGED	
S6.019	S7	0.02		9.5	SURCHARGED	
S11.000	S8	0.04		12.4	OK	
S11.001	S9	0.12		23.5	OK	
S11.002	S10	0.11		30.5	OK	
S11.003	S11	0.17		41.4	OK	
S11.004	S12	0.35		57.2	OK	
S11.005	S13	0.47		76.4	OK	
S11.006	S14	0.60		79.4	OK	
S11.007	S15	0.55		86.7	OK	
S11.008	S16	0.66		96.0	OK	
S11.009	S17	0.71		103.3	OK	
S11.010	S18	0.76		105.7	OK	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S11.011	S19	0.70	108.6	OK	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharge Depth (m)	Volume (m³)
S11.012	S20	30	Winter	5 +0%	100/15	Summer		36.840	-0.205	0.000	
S11.013	S21	30	Winter	5 +0%	100/15	Summer		36.761	-0.183	0.000	
S12.000	S99	15	Winter	5 +0%				38.031	-0.319	0.000	
S12.001	S142	15	Winter	5 +0%				38.030	-0.260	0.000	
S12.002	S100	15	Winter	5 +0%				37.896	-0.354	0.000	
S12.003	S26	15	Winter	5 +0%				37.703	-0.263	0.000	
S12.004	S27	15	Winter	5 +0%				37.497	-0.289	0.000	
S12.005	S27	15	Winter	5 +0%				37.417	-0.261	0.000	
S6.020	S8	5760	Winter	5 +0%	2/2160	Winter		36.314	0.264	0.000	
S6.021	S30	5760	Winter	5 +0%				35.400	-0.625	0.000	
S6.022	S102	1440	Winter	5 +0%	2/15	Summer		37.768	2.568	0.000	
S6.023	S1	15	Winter	5 +0%	100/15	Summer		35.418	-0.157	0.000	
S6.024	S2	15	Winter	5 +0%	100/15	Summer		34.831	-0.196	0.000	
S6.025	S3	15	Winter	5 +0%				34.450	-0.240	0.000	
S6.026	S4	15	Winter	5 +0%	100/15	Summer		32.459	-0.216	0.000	
S6.027	S39	15	Winter	5 +0%	100/5760	Summer		31.983	-0.323	0.000	
S6.028	S40	5760	Winter	5 +0%	2/1440	Winter		31.632	0.246	0.000	
S6.029	S41	5760	Winter	5 +0%				30.947	-0.401	0.000	
S6.030	S42	15	Winter	5 +0%				30.901	-0.344	0.000	
S6.031	S43	15	Winter	5 +0%				30.548	-0.327	0.000	
S6.032	S44	15	Winter	5 +0%				29.812	-0.350	0.000	
S6.033	S45	15	Winter	5 +0%				26.722	-0.333	0.000	
S6.034	S46	15	Winter	5 +0%				24.898	-0.352	0.000	
S13.000	S47	15	Winter	5 +0%				26.311	-0.324	0.000	
S13.001	S116	15	Winter	5 +0%				25.161	-0.292	0.000	
S13.002	S48	15	Winter	5 +0%				23.976	-0.296	0.000	
S6.035	S47	5760	Winter	5 +0%	30/480	Winter		23.484	-0.038	0.000	
S6.036	S48	15	Winter	5 +0%				23.044	-0.414	0.000	
S14.000	S49	15	Winter	5 +0%				26.315	-0.245	0.000	
S14.001	S50	15	Winter	5 +0%				25.060	-0.230	0.000	
S14.002	S51	15	Winter	5 +0%				24.136	-0.226	0.000	
S6.037	S49	15	Winter	5 +0%				22.981	-0.409	0.000	
S6.038	S50	15	Winter	5 +0%				22.472	-0.423	0.000	
S6.039	S51	15	Winter	5 +0%				19.917	-0.418	0.000	
S6.040	S52	15	Winter	5 +0%				18.083	-0.412	0.000	
S6.041	S52	15	Winter	5 +0%				16.199	-0.336	0.000	
S6.042	S53	15	Winter	5 +0%				15.654	-0.421	0.000	
S15.000	S54	15	Winter	5 +0%				25.554	-0.166	0.000	
S15.001	S55	15	Winter	5 +0%				23.895	-0.105	0.000	
S15.002	S56	15	Winter	5 +0%				20.900	-0.100	0.000	
S15.003	S57	15	Winter	5 +0%				16.253	-0.252	0.000	
S6.043	S54	15	Winter	5 +0%				13.768	-0.411	0.000	
S6.044	S55	15	Winter	5 +0%	100/15	Summer		10.491	-0.309	0.000	
S6.045	S56	15	Winter	5 +0%	100/4320	Winter		10.267	-0.412	0.000	
S4.028	S33	5760	Winter	5 +0%	5/5760	Winter		10.103	0.074	0.000	
S4.029	S34	5760	Winter	5 +0%	5/5760	Winter		10.103	0.099	0.000	
S4.030	S35	5760	Winter	5 +0%	2/5760	Winter		10.103	0.165	0.000	
S4.031	S36	4320	Winter	5 +0%	2/4320	Winter		10.137	0.246	0.000	

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S11.012	S20	0.57		109.8	OK	
S11.013	S21	0.75		110.9	OK	
S12.000	S99	0.02		2.3	OK	
S12.001	S142	0.32		30.6	OK	
S12.002	S100	0.10		30.8	OK	
S12.003	S26	0.32		42.3	OK	
S12.004	S27	0.26		46.0	OK	



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S12.005	S27	0.37		47.9	OK	
S6.020	S8	0.01		5.0	SURCHARGED	
S6.021	S30	0.01		5.0	OK	
S6.022	S102	2.70		5.0	SURCHARGED	
S6.023	S1	0.42		35.1	OK	
S6.024	S2	0.44		53.2	OK	
S6.025	S3	0.28		76.0	OK	
S6.026	S4	0.50		93.1	OK	
S6.027	S39	0.18		93.5	OK	
S6.028	S40	0.03		4.5	SURCHARGED	
S6.029	S41	0.03		4.5	OK	
S6.030	S42	0.12		22.4	OK	
S6.031	S43	0.16		41.9	OK	
S6.032	S44	0.11		61.2	OK	
S6.033	S45	0.15		75.1	OK	
S6.034	S46	0.11		79.9	OK	
S13.000	S47	0.04		10.9	OK	
S13.001	S116	0.11		27.0	OK	
S13.002	S48	0.10		27.0	OK	
S6.035	S47	0.03		5.0	OK	
S6.036	S48	0.08		15.1	OK	
S14.000	S49	0.07		10.3	OK	
S14.001	S50	0.12		16.8	OK	
S14.002	S51	0.14		18.4	OK	
S6.037	S49	0.11		45.0	OK	
S6.038	S50	0.08		66.5	OK	
S6.039	S51	0.09		71.2	OK	
S6.040	S52	0.10		82.6	OK	
S6.041	S52	0.27		91.2	OK	
S6.042	S53	0.09		91.5	OK	
S15.000	S54	0.01		5.1	OK	
S15.001	S55	0.12		9.6	OK	
S15.002	S56	0.14		13.8	OK	
S15.003	S57	0.06		16.0	OK	
S6.043	S54	0.11		117.2	OK	
S6.044	S55	0.46		126.3	OK	
S6.045	S56	0.01		8.5	OK	
S4.028	S33	0.01		5.7	SURCHARGED	
S4.029	S34	0.01		5.7	SURCHARGED	
S4.030	S35	0.01		5.2	SURCHARGED	
S4.031	S36	0.01		4.3	SURCHARGED	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 12 Number of Storage Structures 10 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S4.000	S5	15 Winter	30	+0%	100/15 Winter				35.927	-0.199	0.000	0.42
S4.001	S6	15 Winter	30	+0%	100/15 Summer				35.275	-0.175	0.000	0.53
S4.002	S7	15 Winter	30	+0%	30/15 Summer				34.173	0.223	0.000	1.18
S4.003	S8	15 Winter	30	+0%	30/15 Winter				33.551	0.001	0.000	1.00
S4.004	S9	15 Winter	30	+0%					32.750	-0.200	0.000	0.44
S4.005	S10	480 Winter	30	+0%	100/60 Summer				32.120	-0.030	0.000	0.03
S4.006	S11	480 Winter	30	+0%					31.606	-0.334	0.000	0.03
S4.007	S12	15 Winter	30	+0%					31.471	-0.179	0.000	0.47
S4.008	S13	15 Winter	30	+0%					31.179	-0.260	0.000	0.20
S4.009	S14	15 Winter	30	+0%	100/15 Summer				26.296	-0.138	0.000	0.73
S4.010	S15	15 Winter	30	+0%	100/15 Summer				26.063	-0.100	0.000	0.93
S4.011	S16	15 Winter	30	+0%	100/2160 Winter				25.832	-0.215	0.000	0.45
S4.012	S17	15 Summer	30	+0%	100/15 Summer				25.780	0.000	0.000	1.28
S4.013	S18	1440 Winter	30	+0%	100/180 Winter				25.742	-0.004	0.000	0.05
S4.014	S19	15 Winter	30	+0%					25.379	-0.332	0.000	0.15
S4.015	S20	15 Winter	30	+0%					25.278	-0.375	0.000	0.06
S4.016	S21	15 Winter	30	+0%					24.980	-0.350	0.000	0.21
S4.017	S22	15 Winter	30	+0%					24.825	-0.317	0.000	0.30
S4.018	S23	15 Winter	30	+0%					24.501	-0.444	0.000	0.06
S4.019	S24	15 Winter	30	+0%					15.809	-0.401	0.000	0.12
S4.020	S25	15 Winter	30	+0%					13.635	-0.355	0.000	0.23
S5.000	S26	15 Winter	30	+0%					25.502	-0.121	0.000	0.08
S5.001	S27	15 Winter	30	+0%					25.224	-0.058	0.000	0.35
S5.002	S28	15 Winter	30	+0%	100/15 Summer				24.368	0.000	0.000	0.87
S5.003	S29	15 Winter	30	+0%	30/15 Summer				23.934	0.031	0.000	0.99
S5.004	S30	30 Winter	30	+0%					23.149	-0.069	0.000	0.31
S5.005	S31	30 Winter	30	+0%					14.527	-0.143	0.000	0.29
S4.021	S26	15 Winter	30	+0%					13.317	-0.403	0.000	0.12
S4.022	S27	15 Winter	30	+0%					11.688	-0.339	0.000	0.26
S4.023	S28	15 Winter	30	+0%					10.674	-0.356	0.000	0.22
S4.024	S29	5760 Winter	30	+0%	100/1440 Winter				10.275	-0.100	0.000	0.01
S4.025	S30	5760 Winter	30	+0%	30/4320 Winter				10.275	0.047	0.000	0.00
S4.026	S31	5760 Winter	30	+0%	100/2160 Winter				10.239	-0.281	0.000	0.00
S4.027	S32	5760 Winter	30	+0%	100/720 Winter				10.299	-0.129	0.000	0.00

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PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S4.000	S5		66.4	OK	
S4.001	S6		124.5	OK	
S4.002	S7		142.4	SURCHARGED	
S4.003	S8		151.7	SURCHARGED	
S4.004	S9		153.4	OK	
S4.005	S10		5.0	OK	
S4.006	S11		5.0	OK	
S4.007	S12		44.9	OK	
S4.008	S13		85.9	OK	
S4.009	S14		117.4	OK	
S4.010	S15		127.9	OK	
S4.011	S16		130.2	OK	
S4.012	S17		123.3	OK	
S4.013	S18		4.9	OK	
S4.014	S19		20.5	OK	
S4.015	S20		20.8	OK	
S4.016	S21		42.6	OK	
S4.017	S22		60.2	OK	
S4.018	S23		75.8	OK	
S4.019	S24		89.9	OK	
S4.020	S25		91.1	OK	
S5.000	S26		4.6	OK	
S5.001	S27		17.6	FLOOD RISK	
S5.002	S28		28.5	OK	
S5.003	S29		34.7	SURCHARGED	
S5.004	S30		39.8	OK	
S5.005	S31		39.8	OK	
S4.021	S26		123.3	OK	
S4.022	S27		147.8	OK	
S4.023	S28		171.2	OK	
S4.024	S29		8.7	SURCHARGED	
S4.025	S30		0.6	SURCHARGED	
S4.026	S31		0.6	SURCHARGED	
S4.027	S32		0.5	SURCHARGED	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)
S6.000	S56	15 Winter	30	+0%	100/15 Summer				40.398	-0.102	0.000
S6.001	S57	15 Winter	30	+0%	30/15 Summer				39.977	0.077	0.000
S6.002	S58	15 Winter	30	+0%	30/15 Summer				39.720	0.041	0.000
S6.003	S59	360 Winter	30	+0%	100/360 Winter				39.386	-0.135	0.000
S6.004	S60	360 Winter	30	+0%	100/15 Summer				39.238	-0.254	0.000
S6.005	S61	15 Winter	30	+0%	100/15 Summer				39.201	-0.135	0.000
S6.006	S62	15 Winter	30	+0%	100/15 Summer				38.811	-0.132	0.000
S6.007	S63	15 Winter	30	+0%	100/15 Summer				38.528	-0.159	0.000
S7.000	S31	15 Winter	30	+0%	100/15 Summer				40.203	-0.172	0.000
S7.001	S32	15 Winter	30	+0%	100/15 Summer				39.949	-0.015	0.000
S7.002	S33	15 Winter	30	+0%	100/15 Summer				39.617	-0.034	0.000
S7.003	S34	15 Winter	30	+0%	100/15 Summer				39.340	-0.116	0.000
S7.004	S35	360 Winter	30	+0%	100/240 Winter				39.226	-0.180	0.000
S7.005	S36	360 Winter	30	+0%	100/120 Winter				39.232	-0.121	0.000
S7.006	S37	15 Winter	30	+0%					39.041	-0.270	0.000
S7.007	S38	15 Winter	30	+0%					38.712	-0.247	0.000
S7.008	S65	15 Winter	30	+0%	2/30 Winter				38.354	0.187	0.000
S6.008	S64	15 Winter	30	+0%	100/15 Summer				38.341	-0.048	0.000
S8.000	S39	15 Winter	30	+0%					39.241	-0.234	0.000
S8.001	S40	15 Winter	30	+0%					39.112	-0.185	0.000
S8.002	S41	15 Winter	30	+0%	100/15 Winter				38.820	-0.172	0.000
S8.003	S42	15 Winter	30	+0%	100/15 Summer				38.634	-0.145	0.000
S8.004	S43	15 Winter	30	+0%	100/15 Summer				38.181	-0.099	0.000
S9.000	S40	15 Winter	30	+0%					39.213	-0.262	0.000
S9.001	S44	15 Winter	30	+0%					39.155	-0.270	0.000
S9.002	S45	15 Winter	30	+0%					38.820	-0.205	0.000
S9.003	S46	15 Winter	30	+0%					37.685	-0.391	0.000
S9.004	S47	15 Winter	30	+0%					37.638	-0.401	0.000
S9.005	S48	15 Winter	30	+0%					37.597	-0.397	0.000
S9.006	S49	15 Winter	30	+0%	100/1440 Winter				37.503	-0.386	0.000
S9.007	S50	15 Winter	30	+0%	100/720 Winter				37.433	-0.275	0.000
S8.005	S44	15 Winter	30	+0%	100/480 Winter				37.413	-0.194	0.000
S8.006	S45	2160 Winter	30	+0%	100/480 Winter				37.283	-0.303	0.000
S8.007	S34	2160 Winter	30	+0%	100/360 Winter				37.283	-0.220	0.000
S6.009	S35	2160 Winter	30	+0%	100/360 Summer				37.283	-0.146	0.000
S6.010	S36	5760 Winter	30	+0%					36.154	-1.146	0.000
S6.011	S37	5760 Winter	30	+0%	100/720 Winter				36.147	-0.003	0.000
S6.012	S1	15 Winter	30	+0%					39.854	-0.316	0.000
S6.013	S2	15 Winter	30	+0%					39.362	-0.296	0.000
S6.014	S3	15 Winter	30	+0%	100/15 Winter				38.266	-0.194	0.000
S6.015	S4	15 Winter	30	+0%					37.776	-0.299	0.000
S6.016	S5	15 Winter	30	+0%	100/15 Summer				37.075	-0.160	0.000
S6.017	S6	15 Winter	30	+0%	100/15 Summer				36.790	-0.117	0.000
S6.018	S7	15 Winter	30	+0%	100/15 Summer				36.672	-0.109	0.000
S10.000	S84	15 Winter	30	+0%					37.379	-0.446	0.000
S10.001	S23	5760 Winter	30	+0%	100/240 Winter				36.571	-0.054	0.000
S10.002	S8	5760 Winter	30	+0%	30/4320 Winter				36.571	0.046	0.000
S10.003	S9	5760 Winter	30	+0%	5/2880 Winter				36.571	0.346	0.000
S6.019	S7	5760 Winter	30	+0%	2/4320 Winter				36.571	0.471	0.000
S11.000	S8	15 Winter	30	+0%					39.185	-0.375	0.000
S11.001	S9	15 Winter	30	+0%	100/15 Winter				38.676	-0.304	0.000
S11.002	S10	15 Winter	30	+0%	100/15 Summer				38.445	-0.310	0.000
S11.003	S11	15 Winter	30	+0%	100/15 Summer				38.042	-0.273	0.000
S11.004	S12	15 Winter	30	+0%	100/15 Summer				37.812	-0.163	0.000
S11.005	S13	15 Winter	30	+0%	100/15 Summer				37.757	-0.072	0.000
S11.006	S14	15 Winter	30	+0%	30/15 Winter				37.678	0.011	0.000
S11.007	S15	15 Winter	30	+0%	30/15 Winter				37.637	0.014	0.000
S11.008	S16	15 Winter	30	+0%	30/15 Winter				37.549	0.027	0.000
S11.009	S17	15 Winter	30	+0%	30/15 Winter				37.427	0.024	0.000
S11.010	S18	30 Winter	30	+0%	30/15 Winter				37.295	0.021	0.000
S11.011	S19	30 Winter	30	+0%	30/15 Winter				37.197	0.006	0.000

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Overflow Cap.	Pipe Flow (l/s)	Status	Level Exceeded
S6.000	S56	0.70	58.3	OK	
S6.001	S57	1.08	72.0	SURCHARGED	
S6.002	S58	1.15	76.0	SURCHARGED	
S6.003	S59	0.07	3.7	OK	
S6.004	S60	0.06	3.7	OK	
S6.005	S61	0.66	79.5	OK	
S6.006	S62	0.76	118.3	OK	
S6.007	S63	0.70	117.2	OK	
S7.000	S31	0.51	62.7	OK	
S7.001	S32	0.96	102.9	OK	
S7.002	S33	1.00	110.9	OK	
S7.003	S34	0.90	116.9	OK	
S7.004	S35	0.04	5.1	OK	
S7.005	S36	0.04	4.5	OK	
S7.006	S37	0.31	55.9	OK	
S7.007	S38	0.39	87.5	OK	
S7.008	S65	0.31	95.6	SURCHARGED	
S6.008	S64	1.00	184.6	OK	
S8.000	S39	0.29	39.9	OK	
S8.001	S40	0.49	70.0	OK	
S8.002	S41	0.56	78.0	OK	
S8.003	S42	0.65	95.8	OK	
S8.004	S43	0.89	95.0	OK	
S9.000	S40	0.16	10.5	OK	
S9.001	S44	0.17	37.2	OK	
S9.002	S45	0.41	69.2	OK	
S9.003	S46	0.32	82.3	OK	
S9.004	S47	0.30	92.4	OK	
S9.005	S48	0.30	108.4	OK	
S9.006	S49	0.28	108.4	OK	
S9.007	S50	0.22	101.1	OK	
S8.005	S44	0.90	178.2	OK	
S8.006	S45	0.01	9.3	OK	
S8.007	S34	0.01	8.3	OK	
S6.009	S35	0.00	4.9	OK	
S6.010	S36	0.00	4.9	OK	
S6.011	S37	2.64	4.9	OK	
S6.012	S1	0.18	39.7	OK	
S6.013	S2	0.24	82.4	OK	
S6.014	S3	0.56	117.9	OK	
S6.015	S4	0.37	155.3	OK	
S6.016	S5	0.76	176.5	OK	
S6.017	S6	0.92	182.6	OK	
S6.018	S7	0.98	194.9	OK	
S10.000	S84	0.05	30.4	OK	
S10.001	S23	0.01	1.1	OK	
S10.002	S8	0.01	1.6	SURCHARGED	
S10.003	S9	0.01	2.1	SURCHARGED	
S6.019	S7	0.03	12.2	SURCHARGED	
S11.000	S8	0.06	20.5	OK	
S11.001	S9	0.22	42.8	OK	
S11.002	S10	0.21	56.9	OK	
S11.003	S11	0.32	77.3	OK	
S11.004	S12	0.64	104.6	OK	
S11.005	S13	0.81	132.9	OK	
S11.006	S14	0.96	126.8	SURCHARGED	
S11.007	S15	0.85	133.3	SURCHARGED	
S11.008	S16	1.00	145.4	SURCHARGED	
S11.009	S17	1.06	155.0	SURCHARGED	
S11.010	S18	1.10	153.9	SURCHARGED	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S11.011	S19	1.04		162.5	SURCHARGED	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)
S11.012	S20	30	Winter	30	+0%	100/15	Summer		37.043	-0.002	0.000
S11.013	S21	30	Winter	30	+0%	100/15	Summer		36.944	0.000	0.000
S12.000	S99	15	Winter	30	+0%				38.098	-0.252	0.000
S12.001	S142	15	Winter	30	+0%				38.096	-0.194	0.000
S12.002	S100	15	Winter	30	+0%				37.923	-0.327	0.000
S12.003	S26	15	Winter	30	+0%				37.763	-0.203	0.000
S12.004	S27	15	Winter	30	+0%				37.547	-0.239	0.000
S12.005	S27	15	Winter	30	+0%				37.473	-0.205	0.000
S6.020	S8	5760	Winter	30	+0%	2/2160	Winter		36.570	0.520	0.000
S6.021	S30	5760	Summer	30	+0%				35.400	-0.625	0.000
S6.022	S102	960	Winter	30	+0%	2/15	Summer		37.775	2.575	0.000
S6.023	S1	15	Winter	30	+0%	100/15	Summer		35.473	-0.102	0.000
S6.024	S2	15	Winter	30	+0%	100/15	Summer		34.912	-0.115	0.000
S6.025	S3	15	Winter	30	+0%				34.505	-0.185	0.000
S6.026	S4	15	Winter	30	+0%	100/15	Summer		32.580	-0.095	0.000
S6.027	S39	5760	Winter	30	+0%	100/5760	Summer		32.036	-0.270	0.000
S6.028	S40	5760	Winter	30	+0%	2/1440	Winter		32.034	0.648	0.000
S6.029	S41	15	Winter	30	+0%				30.952	-0.396	0.000
S6.030	S42	15	Winter	30	+0%				30.951	-0.294	0.000
S6.031	S43	15	Winter	30	+0%				30.606	-0.269	0.000
S6.032	S44	15	Winter	30	+0%				29.856	-0.306	0.000
S6.033	S45	15	Winter	30	+0%				26.776	-0.279	0.000
S6.034	S46	15	Winter	30	+0%				24.941	-0.309	0.000
S13.000	S47	15	Winter	30	+0%				26.328	-0.307	0.000
S13.001	S116	15	Winter	30	+0%				25.195	-0.259	0.000
S13.002	S48	15	Winter	30	+0%				24.007	-0.265	0.000
S6.035	S47	4320	Winter	30	+0%	30/480	Winter		23.667	0.145	0.000
S6.036	S48	15	Winter	30	+0%				23.095	-0.363	0.000
S14.000	S49	15	Winter	30	+0%				26.331	-0.229	0.000
S14.001	S50	15	Winter	30	+0%				25.086	-0.204	0.000
S14.002	S51	15	Winter	30	+0%				24.165	-0.197	0.000
S6.037	S49	15	Winter	30	+0%				23.031	-0.359	0.000
S6.038	S50	15	Winter	30	+0%				22.514	-0.381	0.000
S6.039	S51	15	Winter	30	+0%				19.961	-0.374	0.000
S6.040	S52	15	Winter	30	+0%				18.131	-0.364	0.000
S6.041	S52	15	Winter	30	+0%				16.289	-0.246	0.000
S6.042	S53	15	Winter	30	+0%				15.694	-0.381	0.000
S15.000	S54	15	Winter	30	+0%				25.562	-0.158	0.000
S15.001	S55	15	Winter	30	+0%				23.921	-0.079	0.000
S15.002	S56	15	Winter	30	+0%				20.926	-0.074	0.000
S15.003	S57	15	Winter	30	+0%				16.272	-0.234	0.000
S6.043	S54	15	Winter	30	+0%				13.815	-0.364	0.000
S6.044	S55	15	Winter	30	+0%	100/15	Summer		10.649	-0.151	0.000
S6.045	S56	15	Winter	30	+0%	100/4320	Winter		10.342	-0.337	0.000
S4.028	S33	5760	Winter	30	+0%	5/5760	Winter		10.298	0.269	0.000
S4.029	S34	5760	Winter	30	+0%	5/5760	Winter		10.298	0.294	0.000
S4.030	S35	5760	Winter	30	+0%	2/5760	Winter		10.298	0.360	0.000
S4.031	S36	5760	Summer	30	+0%	2/4320	Winter		10.480	0.589	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S11.012	S20	0.84		163.5	OK	
S11.013	S21	1.13		165.6	OK	
S12.000	S99	0.03		3.8	OK	
S12.001	S142	0.53		51.1	OK	
S12.002	S100	0.17		49.9	OK	
S12.003	S26	0.52		68.9	OK	
S12.004	S27	0.42		73.0	OK	



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### 30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S12.005	S27	0.57		74.5	OK	
S6.020	S8	0.01		5.0	SURCHARGED	
S6.021	S30	0.01		5.0	OK	
S6.022	S102	2.70		5.0	SURCHARGED	
S6.023	S1	0.70		58.3	OK	
S6.024	S2	0.76		92.7	OK	
S6.025	S3	0.49		135.2	OK	
S6.026	S4	0.90		166.8	OK	
S6.027	S39	0.02		8.5	OK	
S6.028	S40	0.03		4.5	SURCHARGED	
S6.029	S41	0.02		3.6	OK	
S6.030	S42	0.24		45.1	OK	
S6.031	S43	0.32		82.7	OK	
S6.032	S44	0.22		121.3	OK	
S6.033	S45	0.30		148.9	OK	
S6.034	S46	0.21		158.5	OK	
S13.000	S47	0.07		18.1	OK	
S13.001	S116	0.20		50.1	OK	
S13.002	S48	0.18		50.2	OK	
S6.035	S47	0.03		5.0	SURCHARGED	
S6.036	S48	0.16		30.6	OK	
S14.000	S49	0.12		17.1	OK	
S14.001	S50	0.22		29.7	OK	
S14.002	S51	0.25		32.9	OK	
S6.037	S49	0.21		87.3	OK	
S6.038	S50	0.16		130.1	OK	
S6.039	S51	0.18		139.1	OK	
S6.040	S52	0.20		161.6	OK	
S6.041	S52	0.53		176.1	OK	
S6.042	S53	0.17		177.0	OK	
S15.000	S54	0.02		8.5	OK	
S15.001	S55	0.22		17.3	OK	
S15.002	S56	0.25		24.8	OK	
S15.003	S57	0.11		28.7	OK	
S6.043	S54	0.20		222.5	OK	
S6.044	S55	0.86		234.7	OK	
S6.045	S56	0.02		10.2	OK	
S4.028	S33	0.02		7.3	SURCHARGED	
S4.029	S34	0.01		7.5	SURCHARGED	
S4.030	S35	0.01		4.3	SURCHARGED	
S4.031	S36	0.01		4.3	SURCHARGED	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 12 Number of Storage Structures 10 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S4.000	S5	15 Winter	100	+40%	100/15 Winter				36.160	0.034	0.000	0.74
S4.001	S6	15 Winter	100	+40%	100/15 Summer				35.943	0.493	0.000	0.73
S4.002	S7	15 Winter	100	+40%	30/15 Summer				35.333	1.383	0.000	1.57
S4.003	S8	15 Winter	100	+40%	30/15 Winter				34.348	0.798	0.000	1.45
S4.004	S9	15 Winter	100	+40%					32.796	-0.154	0.000	0.65
S4.005	S10	960 Winter	100	+40%	100/60 Summer				32.454	0.304	0.000	0.03
S4.006	S11	2880 Summer	100	+40%					31.606	-0.334	0.000	0.03
S4.007	S12	15 Winter	100	+40%					31.566	-0.084	0.000	0.85
S4.008	S13	15 Winter	100	+40%					31.221	-0.219	0.000	0.35
S4.009	S14	15 Winter	100	+40%	100/15 Summer				26.827	0.393	0.000	1.25
S4.010	S15	15 Winter	100	+40%	100/15 Summer				26.366	0.203	0.000	1.62
S4.011	S16	2880 Winter	100	+40%	100/2160 Winter				26.076	0.029	0.000	0.05
S4.012	S17	2880 Winter	100	+40%	100/15 Summer				26.075	0.295	0.000	0.15
S4.013	S18	2880 Winter	100	+40%	100/180 Winter				26.073	0.327	0.000	0.05
S4.014	S19	15 Winter	100	+40%					25.424	-0.287	0.000	0.28
S4.015	S20	15 Winter	100	+40%					25.306	-0.347	0.000	0.12
S4.016	S21	15 Winter	100	+40%					25.048	-0.282	0.000	0.38
S4.017	S22	15 Winter	100	+40%					24.908	-0.234	0.000	0.53
S4.018	S23	15 Winter	100	+40%					24.531	-0.414	0.000	0.10
S4.019	S24	15 Winter	100	+40%					15.853	-0.357	0.000	0.22
S4.020	S25	15 Winter	100	+40%					13.697	-0.293	0.000	0.40
S5.000	S26	15 Winter	100	+40%					25.522	-0.101	0.000	0.15
S5.001	S27	15 Winter	100	+40%					25.259	-0.023	0.000	0.64
S5.002	S28	15 Winter	100	+40%	100/15 Summer				24.668	0.300	0.000	1.09
S5.003	S29	30 Winter	100	+40%	30/15 Summer				24.123	0.220	0.000	1.15
S5.004	S30	15 Winter	100	+40%					23.170	-0.048	0.000	0.41
S5.005	S31	30 Winter	100	+40%					14.543	-0.126	0.000	0.40
S4.021	S26	15 Winter	100	+40%					13.358	-0.362	0.000	0.21
S4.022	S27	15 Winter	100	+40%					11.757	-0.270	0.000	0.46
S4.023	S28	5760 Winter	100	+40%					10.800	-0.230	0.000	0.02
S4.024	S29	5760 Winter	100	+40%	100/1440 Winter				10.800	0.425	0.000	0.01
S4.025	S30	5760 Winter	100	+40%	30/4320 Winter				10.800	0.572	0.000	0.00
S4.026	S31	4320 Winter	100	+40%	100/2160 Winter				11.111	0.591	0.000	0.00
S4.027	S32	5760 Winter	100	+40%	100/720 Winter				10.722	0.294	0.000	0.00

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S4.000	S5		116.5	SURCHARGED	
S4.001	S6		171.0	SURCHARGED	
S4.002	S7		190.3	FLOOD RISK	
S4.003	S8		220.2	SURCHARGED	
S4.004	S9		225.1	OK	
S4.005	S10		5.0	SURCHARGED	
S4.006	S11		5.0	OK	
S4.007	S12		80.3	OK	
S4.008	S13		153.2	OK	
S4.009	S14		203.0	SURCHARGED	
S4.010	S15		223.6	SURCHARGED	
S4.011	S16		14.7	SURCHARGED	
S4.012	S17		14.7	SURCHARGED	
S4.013	S18		4.9	SURCHARGED	
S4.014	S19		37.3	OK	
S4.015	S20		37.7	OK	
S4.016	S21		76.8	OK	
S4.017	S22		106.9	OK	
S4.018	S23		133.8	OK	
S4.019	S24		158.5	OK	
S4.020	S25		160.5	OK	
S5.000	S26		8.2	OK	
S5.001	S27		32.0	FLOOD RISK	
S5.002	S28		35.8	FLOOD RISK	
S5.003	S29		40.4	SURCHARGED	
S5.004	S30		52.9	OK	
S5.005	S31		54.9	OK	
S4.021	S26		212.1	OK	
S4.022	S27		257.4	OK	
S4.023	S28		12.9	OK	
S4.024	S29		12.9	FLOOD RISK	
S4.025	S30		0.7	SURCHARGED	
S4.026	S31		0.7	SURCHARGED	
S4.027	S32		0.8	SURCHARGED	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)
S6.000	S56	15 Winter	100	+40%	100/15 Summer				41.416	0.916	0.000
S6.001	S57	15 Winter	100	+40%	30/15 Summer				40.769	0.869	0.000
S6.002	S58	15 Winter	100	+40%	30/15 Summer				40.081	0.403	0.000
S6.003	S59	600 Winter	100	+40%	100/360 Winter				39.540	0.019	0.000
S6.004	S60	15 Winter	100	+40%	100/15 Summer				39.554	0.062	0.000
S6.005	S61	15 Winter	100	+40%	100/15 Summer				39.573	0.237	0.000
S6.006	S62	15 Winter	100	+40%	100/15 Summer				39.151	0.208	0.000
S6.007	S63	15 Winter	100	+40%	100/15 Summer				38.984	0.297	0.000
S7.000	S31	15 Winter	100	+40%	100/15 Summer				41.060	0.685	0.000
S7.001	S32	15 Winter	100	+40%	100/15 Summer				40.795	0.831	0.000
S7.002	S33	15 Winter	100	+40%	100/15 Summer				40.062	0.411	0.000
S7.003	S34	15 Winter	100	+40%	100/15 Summer				39.500	0.044	0.000
S7.004	S35	720 Winter	100	+40%	100/240 Winter				39.482	0.076	0.000
S7.005	S36	480 Winter	100	+40%	100/120 Winter				39.707	0.354	0.000
S7.006	S37	15 Winter	100	+40%					39.114	-0.197	0.000
S7.007	S38	15 Winter	100	+40%					38.799	-0.160	0.000
S7.008	S65	15 Winter	100	+40%	2/30 Winter				38.691	0.524	0.000
S6.008	S64	15 Winter	100	+40%	100/15 Summer				38.664	0.275	0.000
S8.000	S39	15 Winter	100	+40%					39.297	-0.178	0.000
S8.001	S40	15 Winter	100	+40%					39.203	-0.094	0.000
S8.002	S41	15 Winter	100	+40%	100/15 Winter				39.033	0.042	0.000
S8.003	S42	15 Winter	100	+40%	100/15 Summer				38.873	0.094	0.000
S8.004	S43	15 Winter	100	+40%	100/15 Summer				38.336	0.056	0.000
S9.000	S40	15 Winter	100	+40%					39.253	-0.222	0.000
S9.001	S44	15 Winter	100	+40%					39.193	-0.232	0.000
S9.002	S45	15 Winter	100	+40%					38.895	-0.130	0.000
S9.003	S46	2880 Winter	100	+40%					37.958	-0.117	0.000
S9.004	S47	2880 Winter	100	+40%					37.958	-0.080	0.000
S9.005	S48	2880 Winter	100	+40%					37.958	-0.036	0.000
S9.006	S49	2880 Winter	100	+40%	100/1440 Winter				37.958	0.069	0.000
S9.007	S50	2880 Winter	100	+40%	100/720 Winter				37.958	0.250	0.000
S8.005	S44	2880 Winter	100	+40%	100/480 Winter				37.959	0.351	0.000
S8.006	S45	2880 Winter	100	+40%	100/480 Winter				37.959	0.372	0.000
S8.007	S34	2880 Winter	100	+40%	100/360 Winter				37.959	0.456	0.000
S6.009	S35	2880 Winter	100	+40%	100/360 Summer				37.959	0.530	0.000
S6.010	S36	2160 Winter	100	+40%					36.447	-0.853	0.000
S6.011	S37	2160 Winter	100	+40%	100/720 Winter				36.439	0.289	0.000
S6.012	S1	15 Winter	100	+40%					39.903	-0.267	0.000
S6.013	S2	15 Winter	100	+40%					39.422	-0.236	0.000
S6.014	S3	15 Winter	100	+40%	100/15 Winter				38.477	0.017	0.000
S6.015	S4	15 Winter	100	+40%					37.865	-0.210	0.000
S6.016	S5	15 Winter	100	+40%	100/15 Summer				37.573	0.338	0.000
S6.017	S6	15 Winter	100	+40%	100/15 Summer				37.227	0.319	0.000
S6.018	S7	5760 Winter	100	+40%	100/15 Summer				37.210	0.430	0.000
S10.000	S84	15 Winter	100	+40%					37.410	-0.415	0.000
S10.001	S23	5760 Winter	100	+40%	100/240 Winter				37.208	0.583	0.000
S10.002	S8	5760 Winter	100	+40%	30/4320 Winter				37.208	0.683	0.000
S10.003	S9	5760 Winter	100	+40%	5/2880 Winter				37.208	0.983	0.000
S6.019	S7	5760 Winter	100	+40%	2/4320 Winter				37.208	1.108	0.000
S11.000	S8	15 Winter	100	+40%					39.212	-0.348	0.000
S11.001	S9	15 Winter	100	+40%	100/15 Winter				39.170	0.190	0.000
S11.002	S10	15 Winter	100	+40%	100/15 Summer				39.145	0.390	0.000
S11.003	S11	15 Winter	100	+40%	100/15 Summer				39.077	0.762	0.000
S11.004	S12	15 Winter	100	+40%	100/15 Summer				38.921	0.946	0.000
S11.005	S13	15 Winter	100	+40%	100/15 Summer				38.880	1.052	0.000
S11.006	S14	15 Winter	100	+40%	30/15 Winter				38.790	1.123	0.000
S11.007	S15	15 Winter	100	+40%	30/15 Winter				38.741	1.119	0.000
S11.008	S16	15 Winter	100	+40%	30/15 Winter				38.624	1.102	0.000
S11.009	S17	15 Winter	100	+40%	30/15 Winter				38.372	0.969	0.000
S11.010	S18	15 Winter	100	+40%	30/15 Winter				38.020	0.746	0.000
S11.011	S19	30 Winter	100	+40%	30/15 Winter				37.743	0.551	0.000

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Overflow Cap.	Pipe Flow (l/s)	Status	Level Exceeded
S6.000	S56	1.04	86.9	FLOOD RISK	
S6.001	S57	1.71	113.8	SURCHARGED	
S6.002	S58	1.85	122.0	SURCHARGED	
S6.003	S59	0.10	4.9	SURCHARGED	
S6.004	S60	0.05	3.5	SURCHARGED	
S6.005	S61	1.04	125.1	SURCHARGED	
S6.006	S62	1.15	177.5	SURCHARGED	
S6.007	S63	0.93	156.1	SURCHARGED	
S7.000	S31	0.78	95.3	FLOOD RISK	
S7.001	S32	1.49	159.4	FLOOD RISK	
S7.002	S33	1.62	180.0	FLOOD RISK	
S7.003	S34	1.46	189.8	SURCHARGED	
S7.004	S35	0.05	5.9	SURCHARGED	
S7.005	S36	0.05	4.5	SURCHARGED	
S7.006	S37	0.55	100.2	OK	
S7.007	S38	0.69	154.5	OK	
S7.008	S65	0.47	145.8	SURCHARGED	
S6.008	S64	1.53	281.5	SURCHARGED	
S8.000	S39	0.52	71.3	OK	
S8.001	S40	0.87	124.3	OK	
S8.002	S41	0.87	121.1	SURCHARGED	
S8.003	S42	1.00	147.4	SURCHARGED	
S8.004	S43	1.37	147.3	SURCHARGED	
S9.000	S40	0.29	18.8	OK	
S9.001	S44	0.31	66.7	OK	
S9.002	S45	0.73	123.2	OK	
S9.003	S46	0.02	4.9	OK	
S9.004	S47	0.02	5.5	OK	
S9.005	S48	0.02	6.9	OK	
S9.006	S49	0.02	8.2	SURCHARGED	
S9.007	S50	0.02	7.4	SURCHARGED	
S8.005	S44	0.07	13.1	SURCHARGED	
S8.006	S45	0.01	12.9	SURCHARGED	
S8.007	S34	0.01	11.7	SURCHARGED	
S6.009	S35	0.00	5.1	SURCHARGED	
S6.010	S36	0.00	5.2	OK	
S6.011	S37	2.71	5.0	SURCHARGED	
S6.012	S1	0.32	71.2	OK	
S6.013	S2	0.44	148.1	OK	
S6.014	S3	0.99	206.5	SURCHARGED	
S6.015	S4	0.65	270.3	OK	
S6.016	S5	1.18	272.8	SURCHARGED	
S6.017	S6	1.45	287.7	SURCHARGED	
S6.018	S7	0.07	13.3	SURCHARGED	
S10.000	S84	0.10	54.3	OK	
S10.001	S23	0.01	1.8	SURCHARGED	
S10.002	S8	0.01	2.9	SURCHARGED	
S10.003	S9	0.01	3.6	SURCHARGED	
S6.019	S7	0.04	16.5	SURCHARGED	
S11.000	S8	0.11	36.8	OK	
S11.001	S9	0.39	74.8	SURCHARGED	
S11.002	S10	0.34	94.7	SURCHARGED	
S11.003	S11	0.56	135.8	SURCHARGED	
S11.004	S12	0.83	134.3	FLOOD RISK	
S11.005	S13	0.92	151.1	FLOOD RISK	
S11.006	S14	1.19	157.1	FLOOD RISK	
S11.007	S15	1.15	180.4	FLOOD RISK	
S11.008	S16	1.47	213.1	FLOOD RISK	
S11.009	S17	1.66	243.3	SURCHARGED	
S11.010	S18	1.84	257.4	SURCHARGED	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S11.011	S19	1.76	274.1	SURCHARGED	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharge Depth (m)	Volume (m³)
S11.012	S20	30	Winter	100	+40%	100/15	Summer		37.280	0.235	0.000
S11.013	S21	5760	Winter	100	+40%	100/15	Summer		37.207	0.263	0.000
S12.000	S99	15	Winter	100	+40%				38.294	-0.056	0.000
S12.001	S142	15	Winter	100	+40%				38.287	-0.003	0.000
S12.002	S100	15	Winter	100	+40%				37.967	-0.283	0.000
S12.003	S26	15	Winter	100	+40%				37.884	-0.082	0.000
S12.004	S27	15	Winter	100	+40%				37.651	-0.135	0.000
S12.005	S27	15	Winter	100	+40%				37.586	-0.092	0.000
S6.020	S8	5760	Winter	100	+40%	2/2160	Winter		37.207	1.157	0.000
S6.021	S30	5760	Winter	100	+40%				35.806	-0.219	0.000
S6.022	S102	1440	Winter	100	+40%	2/15	Summer		37.787	2.587	0.000
S6.023	S1	15	Winter	100	+40%	100/15	Summer		36.085	0.510	0.000
S6.024	S2	15	Winter	100	+40%	100/15	Summer		35.231	0.204	0.000
S6.025	S3	15	Winter	100	+40%				34.577	-0.113	0.000
S6.026	S4	15	Winter	100	+40%	100/15	Summer		33.234	0.559	0.000
S6.027	S39	5760	Winter	100	+40%	100/5760	Summer		32.371	0.065	0.000
S6.028	S40	5760	Winter	100	+40%	2/1440	Winter		32.369	0.983	0.000
S6.029	S41	15	Winter	100	+40%				31.011	-0.337	0.000
S6.030	S42	15	Winter	100	+40%				31.011	-0.234	0.000
S6.031	S43	15	Winter	100	+40%				30.677	-0.198	0.000
S6.032	S44	15	Winter	100	+40%				29.909	-0.254	0.000
S6.033	S45	15	Winter	100	+40%				26.843	-0.212	0.000
S6.034	S46	15	Winter	100	+40%				24.993	-0.257	0.000
S13.000	S47	15	Winter	100	+40%				26.351	-0.284	0.000
S13.001	S116	15	Winter	100	+40%				25.238	-0.216	0.000
S13.002	S48	5760	Winter	100	+40%				24.132	-0.140	0.000
S6.035	S47	5760	Winter	100	+40%	30/480	Winter		24.132	0.610	0.000
S6.036	S48	15	Winter	100	+40%				23.154	-0.304	0.000
S14.000	S49	15	Winter	100	+40%				26.356	-0.204	0.000
S14.001	S50	15	Winter	100	+40%				25.122	-0.168	0.000
S14.002	S51	15	Winter	100	+40%				24.205	-0.157	0.000
S6.037	S49	15	Winter	100	+40%				23.092	-0.298	0.000
S6.038	S50	15	Winter	100	+40%				22.567	-0.328	0.000
S6.039	S51	15	Winter	100	+40%				20.017	-0.318	0.000
S6.040	S52	15	Winter	100	+40%				18.191	-0.304	0.000
S6.041	S52	15	Winter	100	+40%				16.428	-0.107	0.000
S6.042	S53	15	Winter	100	+40%				15.747	-0.328	0.000
S15.000	S54	15	Winter	100	+40%				25.573	-0.147	0.000
S15.001	S55	15	Winter	100	+40%				23.950	-0.050	0.000
S15.002	S56	15	Winter	100	+40%				20.957	-0.043	0.000
S15.003	S57	15	Winter	100	+40%				16.296	-0.210	0.000
S6.043	S54	15	Winter	100	+40%				13.875	-0.304	0.000
S6.044	S55	15	Winter	100	+40%	100/15	Summer		10.975	0.176	0.000
S6.045	S56	5760	Winter	100	+40%	100/4320	Winter		10.724	0.044	0.000
S4.028	S33	5760	Winter	100	+40%	5/5760	Winter		10.722	0.693	0.000
S4.029	S34	5760	Winter	100	+40%	5/5760	Winter		10.721	0.718	0.000
S4.030	S35	5760	Winter	100	+40%	2/5760	Winter		10.721	0.784	0.000
S4.031	S36	2880	Winter	100	+40%	2/4320	Winter		10.714	0.823	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S11.012	S20	1.52		294.5	SURCHARGED	
S11.013	S21	0.08		11.3	SURCHARGED	
S12.000	S99	0.06		6.6	OK	
S12.001	S142	0.93		89.2	OK	
S12.002	S100	0.30		88.7	OK	
S12.003	S26	0.91		120.4	OK	
S12.004	S27	0.72		125.5	OK	



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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-13

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S12.005	S27	0.99		128.7	OK	
S6.020	S8	0.01		5.0	SURCHARGED	
S6.021	S30	0.01		5.0	OK	
S6.022	S102	2.71		5.0	SURCHARGED	
S6.023	S1	1.19		98.5	SURCHARGED	
S6.024	S2	1.23		150.7	SURCHARGED	
S6.025	S3	0.80		220.7	OK	
S6.026	S4	1.49		278.1	SURCHARGED	
S6.027	S39	0.02		11.4	SURCHARGED	
S6.028	S40	0.03		4.6	SURCHARGED	
S6.029	S41	0.03		4.4	OK	
S6.030	S42	0.43		80.4	OK	
S6.031	S43	0.56		146.7	OK	
S6.032	S44	0.39		215.3	OK	
S6.033	S45	0.54		264.8	OK	
S6.034	S46	0.38		282.1	OK	
S13.000	S47	0.13		32.3	OK	
S13.001	S116	0.36		90.0	OK	
S13.002	S48	0.01		1.6	OK	
S6.035	S47	0.03		5.0	SURCHARGED	
S6.036	S48	0.28		53.8	OK	
S14.000	S49	0.22		30.6	OK	
S14.001	S50	0.39		53.2	OK	
S14.002	S51	0.45		59.0	OK	
S6.037	S49	0.38		155.9	OK	
S6.038	S50	0.29		233.1	OK	
S6.039	S51	0.33		249.8	OK	
S6.040	S52	0.36		290.6	OK	
S6.041	S52	0.94		316.5	OK	
S6.042	S53	0.30		318.1	OK	
S15.000	S54	0.03		15.2	OK	
S15.001	S55	0.39		30.9	OK	
S15.002	S56	0.45		44.5	OK	
S15.003	S57	0.19		51.5	OK	
S6.043	S54	0.36		399.9	OK	
S6.044	S55	1.54		421.8	SURCHARGED	
S6.045	S56	0.02		14.2	SURCHARGED	
S4.028	S33	0.03		10.6	SURCHARGED	
S4.029	S34	0.02		10.6	SURCHARGED	
S4.030	S35	0.01		4.5	SURCHARGED	
S4.031	S36	0.01		4.4	SURCHARGED	

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STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for SLR-AB-15

Pipe Sizes STANDARD Manhole Sizes STANDARD

FEH Rainfall Model	
Return Period (years)	5
FEH Rainfall Version	1999
Site Location GB 644450 263650 TM 44450 63650	
C (1km)	-0.020
D1 (1km)	0.301
D2 (1km)	0.277
D3 (1km)	0.231
E (1km)	0.311
F (1km)	2.506
Maximum Rainfall (mm/hr)	50
Maximum Time of Concentration (mins)	30
Foul Sewage (l/s/ha)	0.000
Volumetric Runoff Coeff.	0.750
PIMP (%)	100
Add Flow / Climate Change (%)	0
Minimum Backdrop Height (m)	0.200
Maximum Backdrop Height (m)	1.500
Min Design Depth for Optimisation (m)	1.200
Min Vel for Auto Design only (m/s)	1.00
Min Slope for Optimisation (1:X)	500

Designed with Level Soffits

Time Area Diagram for SLR-AB-15




Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.119	4-8	0.334	8-12	0.031

Total Area Contributing (ha) = 0.483

Total Pipe Volume (m<sup>3</sup>) = 48.217

Network Design Table for SLR-AB-15

# - Indicates pipe length does not match coordinates

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S22.000	29.257	0.146	200.0	0.047	5.00	0.0	0.600	o	300	Pipe/Conduit	
S22.001	20.197	0.101	200.0	0.025	0.00	0.0	0.600	o	300	Pipe/Conduit	
S23.000	40.840	0.412	99.1	0.045	5.00	0.0	0.600	o	225	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S22.000	50.00	5.44	9.180	0.047	0.0	0.0	0.0	1.11	78.3	6.4
S22.001	50.00	5.74	9.034	0.072	0.0	0.0	0.0	1.11	78.3	9.7
S23.000	50.00	5.52	12.000	0.045	0.0	0.0	0.0	1.31	52.2	6.2

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Network Design Table for SLR-AB-15

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S23.001	5.702	0.057	99.2	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S23.002	87.377	0.521	167.7	0.076	0.00	0.0	0.600	o	225	Pipe/Conduit	
S23.003	44.545	0.288	154.7	0.034	0.00	0.0	0.600	o	225	Pipe/Conduit	
S23.004	11.047	0.085	130.0	0.020	0.00	0.0	0.600	o	225	Pipe/Conduit	
S24.000	24.727	0.400	61.8	0.024	5.00	0.0	0.600	o	225	Pipe/Conduit	
S24.001	16.382	0.280	58.5	0.021	0.00	0.0	0.600	o	225	Pipe/Conduit	
S24.002	15.807	0.094	167.7	0.023	0.00	0.0	0.600	o	225	Pipe/Conduit	
S24.003	23.809	0.142	167.7	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S24.004	5.166	0.031	166.6	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S25.000	65.500	0.392	167.0	0.056	5.00	0.0	0.600	o	300	Pipe/Conduit	
S25.001	4.976	0.030	167.0	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S25.002	94.389	0.563	167.7	0.075	0.00	0.0	0.600	o	300	Pipe/Conduit	
S25.003	40.100	0.240	167.0	0.037	0.00	0.0	0.600	o	300	Pipe/Conduit	
S25.004	34.684	0.208	167.0	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S24.005	19.332	0.085	227.4	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit	
S24.006	31.150	0.137	227.4	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit	
S23.005	11.047	0.028	400.0	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit	
S22.002	21.618	0.043	500.0	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit	
S22.003	22.681#	0.038	600.0	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S23.001	50.00	5.59	11.588	0.045	0.0	0.0	0.0	1.31	52.2	6.2
S23.002	50.00	7.04	11.531	0.121	0.0	0.0	0.0	1.01	40.0	16.4
S23.003	50.00	7.74	11.009	0.155	0.0	0.0	0.0	1.05	41.7	21.0
S23.004	50.00	7.91	10.721	0.175	0.0	0.0	0.0	1.15	45.5	23.7
S24.000	50.00	5.25	11.575	0.024	0.0	0.0	0.0	1.67	66.3	3.2
S24.001	50.00	5.41	11.175	0.045	0.0	0.0	0.0	1.71	68.1	6.1
S24.002	50.00	5.67	10.895	0.067	0.0	0.0	0.0	1.01	40.0	9.1
S24.003	50.00	6.06	10.801	0.067	0.0	0.0	0.0	1.01	40.0	9.1
S24.004	50.00	6.15	10.659	0.067	0.0	0.0	0.0	1.01	40.2	9.1
S25.000	50.00	5.90	13.320	0.056	0.0	0.0	0.0	1.21	85.8	7.6
S25.001	50.00	5.97	12.928	0.056	0.0	0.0	0.0	1.21	85.8	7.6
S25.002	50.00	7.27	12.898	0.132	0.0	0.0	0.0	1.21	85.6	17.8
S25.003	50.00	7.82	12.335	0.169	0.0	0.0	0.0	1.21	85.8	22.9
S25.004	50.00	8.29	12.095	0.169	0.0	0.0	0.0	1.21	85.8	22.9
S24.005	50.00	8.53	10.403	0.236	0.0	0.0	0.0	1.34	213.7	32.0
S24.006	50.00	8.92	10.318	0.236	0.0	0.0	0.0	1.34	213.8	32.0
S23.005	50.00	9.10	10.181	0.411	0.0	0.0	0.0	1.01	160.7	55.7
S22.002	50.00	9.50	8.783	0.483	0.0	0.0	0.0	0.90	143.5	65.4
S22.003	50.00	9.96	8.739	0.483	0.0	0.0	0.0	0.82	130.8	65.4

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Manhole Schedules for SLR-AB-15

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S157	10.180	1.000	Open Manhole	1200	S22.000	9.180	300				
S17	10.060	1.026	Open Manhole	1200	S22.001	9.034	300	S22.000	9.034	300	
S152	13.100	1.100	Open Manhole	1200	S23.000	12.000	225				
S153	14.240	2.652	Open Manhole	1200	S23.001	11.588	225	S23.000	11.588	225	
S154	15.040	3.509	Open Manhole	1200	S23.002	11.531	225	S23.001	11.531	225	
S16	13.640	2.631	Open Manhole	1200	S23.003	11.009	225	S23.002	11.009	225	
S18	13.180	2.459	Open Manhole	1200	S23.004	10.721	225	S23.003	10.721	225	
S147	13.000	1.425	Open Manhole	1200	S24.000	11.575	225				
S148	12.600	1.425	Open Manhole	1200	S24.001	11.175	225	S24.000	11.175	225	
S149	12.320	1.425	Open Manhole	1200	S24.002	10.895	225	S24.001	10.895	225	
S11	12.960	2.159	Open Manhole	1200	S24.003	10.801	225	S24.002	10.801	225	
S6	13.440	2.781	Open Manhole	1200	S24.004	10.659	225	S24.003	10.659	225	
S141	14.320	1.000	Open Manhole	1200	S25.000	13.320	300				
S142	15.100	2.172	Open Manhole	1200	S25.001	12.928	300	S25.000	12.928	300	
S143	15.060	2.162	Open Manhole	1200	S25.002	12.898	300	S25.001	12.898	300	
S144	13.660	1.325	Open Manhole	1200	S25.003	12.335	300	S25.002	12.335	300	
S12	13.000	0.905	Open Manhole	1200	S25.004	12.095	300	S25.003	12.095	300	
S7	12.381	1.978	Open Manhole	1350	S24.005	10.403	450	S24.004	10.628	225	
								S25.004	11.887	300	1335
S19	13.200	2.882	Open Manhole	1350	S24.006	10.318	450	S24.005	10.318	450	
S19	12.000	1.819	Open Manhole	1350	S23.005	10.181	450	S23.004	10.636	225	231
								S24.006	10.181	450	
S14	12.000	3.217	Open Manhole	1350	S22.002	8.783	450	S22.001	8.933	300	
								S23.005	10.153	450	1370
S15	10.000	1.261	Open Manhole	1350	S22.003	8.739	450	S22.002	8.739	450	
S	10.000	1.298	Open Manhole	0		OUTFALL		S22.003	8.702	450	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S157	641509.542	267283.546	641509.542	267283.546	Required	
S17	641537.586	267275.209	641537.586	267275.209	Required	
S152	641737.571	267196.297	641737.571	267196.297	Required	
S153	641697.702	267205.151	641697.702	267205.151	Required	
S154	641692.008	267204.861	641692.008	267204.861	Required	
S16	641610.444	267236.199	641610.444	267236.199	Required	
S18	641568.435	267251.017	641568.435	267251.017	Required	

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Manhole Schedules for SLR-AB-15

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S147	641495.080	267241.058	641495.080	267241.058	Required	
S148	641519.496	267237.144	641519.496	267237.144	Required	
S149	641535.547	267240.423	641535.547	267240.423	Required	
S11	641551.028	267237.228	641551.028	267237.228	Required	
S6	641536.861	267218.093	641536.861	267218.093	Required	
S141	641753.735	267151.718	641753.735	267151.718	Required	
S142	641697.679	267185.599	641697.679	267185.599	Required	
S143	641694.606	267189.514	641694.606	267189.514	Required	
S144	641606.083	267222.272	641606.083	267222.272	Required	
S12	641568.530	267236.336	641568.530	267236.336	Required	
S7	641541.088	267215.124	641541.088	267215.124	Required	
S19	641551.325	267231.524	641551.325	267231.524	Required	
S19	641562.764	267260.497	641562.764	267260.497	Required	
S14	641557.093	267269.977	641557.093	267269.977	Required	
S15	641576.223	267280.046	641576.223	267280.046	Required	
S	641557.524	267306.848			No Entry	

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PIPELINE SCHEDULES for SLR-AB-15

Upstream Manhole

# - Indicates pipe length does not match coordinates

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S22.000	o	300	S157	10.180	9.180	0.700	Open Manhole	1200
S22.001	o	300	S17	10.060	9.034	0.726	Open Manhole	1200
S23.000	o	225	S152	13.100	12.000	0.875	Open Manhole	1200
S23.001	o	225	S153	14.240	11.588	2.427	Open Manhole	1200
S23.002	o	225	S154	15.040	11.531	3.284	Open Manhole	1200
S23.003	o	225	S16	13.640	11.009	2.406	Open Manhole	1200
S23.004	o	225	S18	13.180	10.721	2.234	Open Manhole	1200
S24.000	o	225	S147	13.000	11.575	1.200	Open Manhole	1200
S24.001	o	225	S148	12.600	11.175	1.200	Open Manhole	1200
S24.002	o	225	S149	12.320	10.895	1.200	Open Manhole	1200
S24.003	o	225	S11	12.960	10.801	1.934	Open Manhole	1200
S24.004	o	225	S6	13.440	10.659	2.556	Open Manhole	1200
S25.000	o	300	S141	14.320	13.320	0.700	Open Manhole	1200
S25.001	o	300	S142	15.100	12.928	1.872	Open Manhole	1200
S25.002	o	300	S143	15.060	12.898	1.862	Open Manhole	1200
S25.003	o	300	S144	13.660	12.335	1.025	Open Manhole	1200
S25.004	o	300	S12	13.000	12.095	0.605	Open Manhole	1200
S24.005	o	450	S7	12.381	10.403	1.528	Open Manhole	1350
S24.006	o	450	S19	13.200	10.318	2.432	Open Manhole	1350
S23.005	o	450	S19	12.000	10.181	1.369	Open Manhole	1350

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S22.000	29.257	200.0	S17	10.060	9.034	0.726	Open Manhole	1200
S22.001	20.197	200.0	S14	12.000	8.933	2.767	Open Manhole	1350
S23.000	40.840	99.1	S153	14.240	11.588	2.427	Open Manhole	1200
S23.001	5.702	99.2	S154	15.040	11.531	3.284	Open Manhole	1200
S23.002	87.377	167.7	S16	13.640	11.009	2.406	Open Manhole	1200
S23.003	44.545	154.7	S18	13.180	10.721	2.234	Open Manhole	1200
S23.004	11.047	130.0	S19	12.000	10.636	1.139	Open Manhole	1350
S24.000	24.727	61.8	S148	12.600	11.175	1.200	Open Manhole	1200
S24.001	16.382	58.5	S149	12.320	10.895	1.200	Open Manhole	1200
S24.002	15.807	167.7	S11	12.960	10.801	1.934	Open Manhole	1200
S24.003	23.809	167.7	S6	13.440	10.659	2.556	Open Manhole	1200
S24.004	5.166	166.6	S7	12.381	10.628	1.528	Open Manhole	1350
S25.000	65.500	167.0	S142	15.100	12.928	1.872	Open Manhole	1200
S25.001	4.976	167.0	S143	15.060	12.898	1.862	Open Manhole	1200
S25.002	94.389	167.7	S144	13.660	12.335	1.025	Open Manhole	1200
S25.003	40.100	167.0	S12	13.000	12.095	0.605	Open Manhole	1200
S25.004	34.684	167.0	S7	12.381	11.887	0.194	Open Manhole	1350
S24.005	19.332	227.4	S19	13.200	10.318	2.432	Open Manhole	1350
S24.006	31.150	227.4	S19	12.000	10.181	1.369	Open Manhole	1350
S23.005	11.047	400.0	S14	12.000	10.153	1.397	Open Manhole	1350

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PIPELINE SCHEDULES for SLR-AB-15

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S22.002	o	450	S14	12.000	8.783	2.767	Open Manhole	1350
S22.003	o	450	S15	10.000	8.739	0.811	Open Manhole	1350

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S22.002	21.618	500.0	S15	10.000	8.739	0.811	Open Manhole	1350
S22.003	22.681#	600.0	S	10.000	8.702	0.848	Open Manhole	0



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Area Summary for SLR-AB-15

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
22.000	User	-	100	0.035	0.035	0.035
	User	-	26	0.046	0.012	0.047
22.001	User	-	100	0.016	0.016	0.016
	User	-	26	0.034	0.009	0.025
23.000	User	-	100	0.027	0.027	0.027
	User	-	26	0.071	0.018	0.045
23.001	-	-	100	0.000	0.000	0.000
23.002	User	-	100	0.051	0.051	0.051
	User	-	26	0.097	0.025	0.076
23.003	User	-	100	0.014	0.014	0.014
	User	-	100	0.010	0.010	0.025
	User	-	26	0.035	0.009	0.034
23.004	User	-	100	0.006	0.006	0.006
	User	-	100	0.014	0.014	0.020
24.000	User	-	100	0.019	0.019	0.019
	User	-	26	0.018	0.005	0.024
24.001	User	-	100	0.016	0.016	0.016
	User	-	26	0.020	0.005	0.021
24.002	User	-	100	0.020	0.020	0.020
	User	-	26	0.011	0.003	0.023
24.003	-	-	100	0.000	0.000	0.000
24.004	-	-	100	0.000	0.000	0.000
25.000	User	-	100	0.034	0.034	0.034
	User	-	26	0.085	0.022	0.056
25.001	-	-	100	0.000	0.000	0.000
25.002	User	-	100	0.046	0.046	0.046
	User	-	26	0.115	0.030	0.075
25.003	User	-	100	0.020	0.020	0.020
	User	-	26	0.066	0.017	0.037
25.004	-	-	100	0.000	0.000	0.000
24.005	-	-	100	0.000	0.000	0.000
24.006	-	-	100	0.000	0.000	0.000
23.005	-	-	100	0.000	0.000	0.000
22.002	-	-	100	0.000	0.000	0.000
22.003	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				0.926	0.483	0.483

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Network Classifications for SLR-AB-15

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S22.000	S157	300	0.700	0.726	Unclassified	1200	0	0.700	Unclassified
S22.001	S17	300	0.726	2.767	Unclassified	1200	0	0.726	Unclassified
S23.000	S152	225	0.875	2.427	Unclassified	1200	0	0.875	Unclassified
S23.001	S153	225	2.427	3.284	Unclassified	1200	0	2.427	Unclassified
S23.002	S154	225	2.406	3.284	Unclassified	1200	0	3.284	Unclassified
S23.003	S16	225	2.234	2.406	Unclassified	1200	0	2.406	Unclassified
S23.004	S18	225	1.139	2.234	Unclassified	1200	0	2.234	Unclassified
S24.000	S147	225	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S24.001	S148	225	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S24.002	S149	225	1.200	1.934	Unclassified	1200	0	1.200	Unclassified
S24.003	S11	225	1.934	2.556	Unclassified	1200	0	1.934	Unclassified
S24.004	S6	225	1.528	2.556	Unclassified	1200	0	2.556	Unclassified
S25.000	S141	300	0.700	1.872	Unclassified	1200	0	0.700	Unclassified
S25.001	S142	300	1.862	1.872	Unclassified	1200	0	1.872	Unclassified
S25.002	S143	300	1.025	1.862	Unclassified	1200	0	1.862	Unclassified
S25.003	S144	300	0.605	1.025	Unclassified	1200	0	1.025	Unclassified
S25.004	S12	300	0.194	0.605	Unclassified	1200	0	0.605	Unclassified
S24.005	S7	450	1.528	2.432	Unclassified	1350	0	1.528	Unclassified
S24.006	S19	450	1.369	2.432	Unclassified	1350	0	2.432	Unclassified
S23.005	S19	450	1.369	1.397	Unclassified	1350	0	1.369	Unclassified
S22.002	S14	450	0.811	2.767	Unclassified	1350	0	2.767	Unclassified
S22.003	S15	450	0.811	0.848	Unclassified	1350	0	0.811	Unclassified

Surcharged Outfall Details for SLR-AB-15

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
S22.003	S	10.000	8.702	0.000	0	0

Datum (m) 0.000 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1	10.000	24	10.000	47	10.000	70	10.000	93	10.000	116	10.000	139	10.000
2	10.000	25	10.000	48	10.000	71	10.000	94	10.000	117	10.000	140	10.000
3	10.000	26	10.000	49	10.000	72	10.000	95	10.000	118	10.000	141	10.000
4	10.000	27	10.000	50	10.000	73	10.000	96	10.000	119	10.000	142	10.000
5	10.000	28	10.000	51	10.000	74	10.000	97	10.000	120	10.000	143	10.000
6	10.000	29	10.000	52	10.000	75	10.000	98	10.000	121	10.000	144	10.000
7	10.000	30	10.000	53	10.000	76	10.000	99	10.000	122	10.000	145	10.000
8	10.000	31	10.000	54	10.000	77	10.000	100	10.000	123	10.000	146	10.000
9	10.000	32	10.000	55	10.000	78	10.000	101	10.000	124	10.000	147	10.000
10	10.000	33	10.000	56	10.000	79	10.000	102	10.000	125	10.000	148	10.000
11	10.000	34	10.000	57	10.000	80	10.000	103	10.000	126	10.000	149	10.000
12	10.000	35	10.000	58	10.000	81	10.000	104	10.000	127	10.000	150	10.000
13	10.000	36	10.000	59	10.000	82	10.000	105	10.000	128	10.000	151	10.000
14	10.000	37	10.000	60	10.000	83	10.000	106	10.000	129	10.000	152	10.000
15	10.000	38	10.000	61	10.000	84	10.000	107	10.000	130	10.000	153	10.000
16	10.000	39	10.000	62	10.000	85	10.000	108	10.000	131	10.000	154	10.000
17	10.000	40	10.000	63	10.000	86	10.000	109	10.000	132	10.000	155	10.000
18	10.000	41	10.000	64	10.000	87	10.000	110	10.000	133	10.000	156	10.000
19	10.000	42	10.000	65	10.000	88	10.000	111	10.000	134	10.000	157	10.000
20	10.000	43	10.000	66	10.000	89	10.000	112	10.000	135	10.000	158	10.000
21	10.000	44	10.000	67	10.000	90	10.000	113	10.000	136	10.000	159	10.000
22	10.000	45	10.000	68	10.000	91	10.000	114	10.000	137	10.000	160	10.000
23	10.000	46	10.000	69	10.000	92	10.000	115	10.000	138	10.000	161	10.000

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Surcharged Outfall Details for SLR-AB-15

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
185	10.000	247	10.000	309	10.000	371	10.000	433	10.000	495	10.000	557	10.000
186	10.000	248	10.000	310	10.000	372	10.000	434	10.000	496	10.000	558	10.000
187	10.000	249	10.000	311	10.000	373	10.000	435	10.000	497	10.000	559	10.000
188	10.000	250	10.000	312	10.000	374	10.000	436	10.000	498	10.000	560	10.000
189	10.000	251	10.000	313	10.000	375	10.000	437	10.000	499	10.000	561	10.000
190	10.000	252	10.000	314	10.000	376	10.000	438	10.000	500	10.000	562	10.000
191	10.000	253	10.000	315	10.000	377	10.000	439	10.000	501	10.000	563	10.000
192	10.000	254	10.000	316	10.000	378	10.000	440	10.000	502	10.000	564	10.000
193	10.000	255	10.000	317	10.000	379	10.000	441	10.000	503	10.000	565	10.000
194	10.000	256	10.000	318	10.000	380	10.000	442	10.000	504	10.000	566	10.000
195	10.000	257	10.000	319	10.000	381	10.000	443	10.000	505	10.000	567	10.000
196	10.000	258	10.000	320	10.000	382	10.000	444	10.000	506	10.000	568	10.000
197	10.000	259	10.000	321	10.000	383	10.000	445	10.000	507	10.000	569	10.000
198	10.000	260	10.000	322	10.000	384	10.000	446	10.000	508	10.000	570	10.000
199	10.000	261	10.000	323	10.000	385	10.000	447	10.000	509	10.000	571	10.000
200	10.000	262	10.000	324	10.000	386	10.000	448	10.000	510	10.000	572	10.000
201	10.000	263	10.000	325	10.000	387	10.000	449	10.000	511	10.000	573	10.000
202	10.000	264	10.000	326	10.000	388	10.000	450	10.000	512	10.000	574	10.000
203	10.000	265	10.000	327	10.000	389	10.000	451	10.000	513	10.000	575	10.000
204	10.000	266	10.000	328	10.000	390	10.000	452	10.000	514	10.000	576	10.000
205	10.000	267	10.000	329	10.000	391	10.000	453	10.000	515	10.000	577	10.000
206	10.000	268	10.000	330	10.000	392	10.000	454	10.000	516	10.000	578	10.000
207	10.000	269	10.000	331	10.000	393	10.000	455	10.000	517	10.000	579	10.000
208	10.000	270	10.000	332	10.000	394	10.000	456	10.000	518	10.000	580	10.000
209	10.000	271	10.000	333	10.000	395	10.000	457	10.000	519	10.000	581	10.000
210	10.000	272	10.000	334	10.000	396	10.000	458	10.000	520	10.000	582	10.000
211	10.000	273	10.000	335	10.000	397	10.000	459	10.000	521	10.000	583	10.000
212	10.000	274	10.000	336	10.000	398	10.000	460	10.000	522	10.000	584	10.000
213	10.000	275	10.000	337	10.000	399	10.000	461	10.000	523	10.000	585	10.000
214	10.000	276	10.000	338	10.000	400	10.000	462	10.000	524	10.000	586	10.000
215	10.000	277	10.000	339	10.000	401	10.000	463	10.000	525	10.000	587	10.000
216	10.000	278	10.000	340	10.000	402	10.000	464	10.000	526	10.000	588	10.000
217	10.000	279	10.000	341	10.000	403	10.000	465	10.000	527	10.000	589	10.000
218	10.000	280	10.000	342	10.000	404	10.000	466	10.000	528	10.000	590	10.000
219	10.000	281	10.000	343	10.000	405	10.000	467	10.000	529	10.000	591	10.000
220	10.000	282	10.000	344	10.000	406	10.000	468	10.000	530	10.000	592	10.000
221	10.000	283	10.000	345	10.000	407	10.000	469	10.000	531	10.000	593	10.000
222	10.000	284	10.000	346	10.000	408	10.000	470	10.000	532	10.000	594	10.000
223	10.000	285	10.000	347	10.000	409	10.000	471	10.000	533	10.000	595	10.000
224	10.000	286	10.000	348	10.000	410	10.000	472	10.000	534	10.000	596	10.000
225	10.000	287	10.000	349	10.000	411	10.000	473	10.000	535	10.000	597	10.000
226	10.000	288	10.000	350	10.000	412	10.000	474	10.000	536	10.000	598	10.000
227	10.000	289	10.000	351	10.000	413	10.000	475	10.000	537	10.000	599	10.000
228	10.000	290	10.000	352	10.000	414	10.000	476	10.000	538	10.000	600	10.000
229	10.000	291	10.000	353	10.000	415	10.000	477	10.000	539	10.000	601	10.000
230	10.000	292	10.000	354	10.000	416	10.000	478	10.000	540	10.000	602	10.000
231	10.000	293	10.000	355	10.000	417	10.000	479	10.000	541	10.000	603	10.000
232	10.000	294	10.000	356	10.000	418	10.000	480	10.000	542	10.000	604	10.000
233	10.000	295	10.000	357	10.000	419	10.000	481	10.000	543	10.000	605	10.000
234	10.000	296	10.000	358	10.000	420	10.000	482	10.000	544	10.000	606	10.000
235	10.000	297	10.000	359	10.000	421	10.000	483	10.000	545	10.000	607	10.000
236	10.000	298	10.000	360	10.000	422	10.000	484	10.000	546	10.000	608	10.000
237	10.000	299	10.000	361	10.000	423	10.000	485	10.000	547	10.000	609	10.000
238	10.000	300	10.000	362	10.000	424	10.000	486	10.000	548	10.000	610	10.000
239	10.000	301	10.000	363	10.000	425	10.000	487	10.000	549	10.000	611	10.000
240	10.000	302	10.000	364	10.000	426	10.000	488	10.000	550	10.000	612	10.000
241	10.000	303	10.000	365	10.000	427	10.000	489	10.000	551	10.000	613	10.000
242	10.000	304	10.000	366	10.000	428	10.000	490	10.000	552	10.000	614	10.000
243	10.000	305	10.000	367	10.000	429	10.000	491	10.000	553	10.000	615	10.000
244	10.000	306	10.000	368	10.000	430	10.000	492	10.000	554	10.000	616	10.000
245	10.000	307	10.000	369	10.000	431	10.000	493	10.000	555	10.000	617	10.000
246	10.000	308	10.000	370	10.000	432	10.000	494	10.000	556	10.000	618	10.000

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Checked by Derek Lord

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Network 2019.1

Surcharged Outfall Details for SLR-AB-15

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
681	10.000	743	10.000	805	10.000	867	10.000	929	10.000	991	10.000	1053	10.000
682	10.000	744	10.000	806	10.000	868	10.000	930	10.000	992	10.000	1054	10.000
683	10.000	745	10.000	807	10.000	869	10.000	931	10.000	993	10.000	1055	10.000
684	10.000	746	10.000	808	10.000	870	10.000	932	10.000	994	10.000	1056	10.000
685	10.000	747	10.000	809	10.000	871	10.000	933	10.000	995	10.000	1057	10.000
686	10.000	748	10.000	810	10.000	872	10.000	934	10.000	996	10.000	1058	10.000
687	10.000	749	10.000	811	10.000	873	10.000	935	10.000	997	10.000	1059	10.000
688	10.000	750	10.000	812	10.000	874	10.000	936	10.000	998	10.000	1060	10.000
689	10.000	751	10.000	813	10.000	875	10.000	937	10.000	999	10.000	1061	10.000
690	10.000	752	10.000	814	10.000	876	10.000	938	10.000	1000	10.000	1062	10.000
691	10.000	753	10.000	815	10.000	877	10.000	939	10.000	1001	10.000	1063	10.000
692	10.000	754	10.000	816	10.000	878	10.000	940	10.000	1002	10.000	1064	10.000
693	10.000	755	10.000	817	10.000	879	10.000	941	10.000	1003	10.000	1065	10.000
694	10.000	756	10.000	818	10.000	880	10.000	942	10.000	1004	10.000	1066	10.000
695	10.000	757	10.000	819	10.000	881	10.000	943	10.000	1005	10.000	1067	10.000
696	10.000	758	10.000	820	10.000	882	10.000	944	10.000	1006	10.000	1068	10.000
697	10.000	759	10.000	821	10.000	883	10.000	945	10.000	1007	10.000	1069	10.000
698	10.000	760	10.000	822	10.000	884	10.000	946	10.000	1008	10.000	1070	10.000
699	10.000	761	10.000	823	10.000	885	10.000	947	10.000	1009	10.000	1071	10.000
700	10.000	762	10.000	824	10.000	886	10.000	948	10.000	1010	10.000	1072	10.000
701	10.000	763	10.000	825	10.000	887	10.000	949	10.000	1011	10.000	1073	10.000
702	10.000	764	10.000	826	10.000	888	10.000	950	10.000	1012	10.000	1074	10.000
703	10.000	765	10.000	827	10.000	889	10.000	951	10.000	1013	10.000	1075	10.000
704	10.000	766	10.000	828	10.000	890	10.000	952	10.000	1014	10.000	1076	10.000
705	10.000	767	10.000	829	10.000	891	10.000	953	10.000	1015	10.000	1077	10.000
706	10.000	768	10.000	830	10.000	892	10.000	954	10.000	1016	10.000	1078	10.000
707	10.000	769	10.000	831	10.000	893	10.000	955	10.000	1017	10.000	1079	10.000
708	10.000	770	10.000	832	10.000	894	10.000	956	10.000	1018	10.000	1080	10.000
709	10.000	771	10.000	833	10.000	895	10.000	957	10.000	1019	10.000	1081	10.000
710	10.000	772	10.000	834	10.000	896	10.000	958	10.000	1020	10.000	1082	10.000
711	10.000	773	10.000	835	10.000	897	10.000	959	10.000	1021	10.000	1083	10.000
712	10.000	774	10.000	836	10.000	898	10.000	960	10.000	1022	10.000	1084	10.000
713	10.000	775	10.000	837	10.000	899	10.000	961	10.000	1023	10.000	1085	10.000
714	10.000	776	10.000	838	10.000	900	10.000	962	10.000	1024	10.000	1086	10.000
715	10.000	777	10.000	839	10.000	901	10.000	963	10.000	1025	10.000	1087	10.000
716	10.000	778	10.000	840	10.000	902	10.000	964	10.000	1026	10.000	1088	10.000
717	10.000	779	10.000	841	10.000	903	10.000	965	10.000	1027	10.000	1089	10.000
718	10.000	780	10.000	842	10.000	904	10.000	966	10.000	1028	10.000	1090	10.000
719	10.000	781	10.000	843	10.000	905	10.000	967	10.000	1029	10.000	1091	10.000
720	10.000	782	10.000	844	10.000	906	10.000	968	10.000	1030	10.000	1092	10.000
721	10.000	783	10.000	845	10.000	907	10.000	969	10.000	1031	10.000	1093	10.000
722	10.000	784	10.000	846	10.000	908	10.000	970	10.000	1032	10.000	1094	10.000
723	10.000	785	10.000	847	10.000	909	10.000	971	10.000	1033	10.000	1095	10.000
724	10.000	786	10.000	848	10.000	910	10.000	972	10.000	1034	10.000	1096	10.000
725	10.000	787	10.000	849	10.000	911	10.000	973	10.000	1035	10.000	1097	10.000
726	10.000	788	10.000	850	10.000	912	10.000	974	10.000	1036	10.000	1098	10.000
727	10.000	789	10.000	851	10.000	913	10.000	975	10.000	1037	10.000	1099	10.000
728	10.000	790	10.000	852	10.000	914	10.000	976	10.000	1038	10.000	1100	10.000
729	10.000	791	10.000	853	10.000	915	10.000	977	10.000	1039	10.000	1101	10.000
730	10.000	792	10.000	854	10.000	916	10.000	978	10.000	1040	10.000	1102	10.000
731	10.000	793	10.000	855	10.000	917	10.000	979	10.000	1041	10.000	1103	10.000
732	10.000	794	10.000	856	10.000	918	10.000	980	10.000	1042	10.000	1104	10.000
733	10.000	795	10.000	857	10.000	919	10.000	981	10.000	1043	10.000	1105	10.000
734	10.000	796	10.000	858	10.000	920	10.000	982	10.000	1044	10.000	1106	10.000
735	10.000	797	10.000	859	10.000	921	10.000	983	10.000	1045	10.000	1107	10.000
736	10.000	798	10.000	860	10.000	922	10.000	984	10.000	1046	10.000	1108	10.000
737	10.000	799	10.000	861	10.000	923	10.000	985	10.000	1047	10.000	1109	10.000
738	10.000	800	10.000	862	10.000	924	10.000	986	10.000	1048	10.000	1110	10.000
739	10.000	801	10.000	863	10.000	925	10.000	987	10.000	1049	10.000	1111	10.000
740	10.000	802	10.000	864	10.000	926	10.000	988	10.000	1050	10.000	1112	10.000
741	10.000	803	10.000	865	10.000	927	10.000	989	10.000	1051	10.000	1113	10.000
742	10.000	804	10.000	866	10.000	928	10.000	990	10.000	1052	10.000	1114	10.000



Sizewell Link Road  
DCO Design Review  
SLR-AB-15



Date 30/09/2021

Designed by Daniel James

File SLR-AB-15 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-15

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1673	10.000	1735	10.000	1797	10.000	1859	10.000	1921	10.000	1983	10.000	2045	10.000
1674	10.000	1736	10.000	1798	10.000	1860	10.000	1922	10.000	1984	10.000	2046	10.000
1675	10.000	1737	10.000	1799	10.000	1861	10.000	1923	10.000	1985	10.000	2047	10.000
1676	10.000	1738	10.000	1800	10.000	1862	10.000	1924	10.000	1986	10.000	2048	10.000
1677	10.000	1739	10.000	1801	10.000	1863	10.000	1925	10.000	1987	10.000	2049	10.000
1678	10.000	1740	10.000	1802	10.000	1864	10.000	1926	10.000	1988	10.000	2050	10.000
1679	10.000	1741	10.000	1803	10.000	1865	10.000	1927	10.000	1989	10.000	2051	10.000
1680	10.000	1742	10.000	1804	10.000	1866	10.000	1928	10.000	1990	10.000	2052	10.000
1681	10.000	1743	10.000	1805	10.000	1867	10.000	1929	10.000	1991	10.000	2053	10.000
1682	10.000	1744	10.000	1806	10.000	1868	10.000	1930	10.000	1992	10.000	2054	10.000
1683	10.000	1745	10.000	1807	10.000	1869	10.000	1931	10.000	1993	10.000	2055	10.000
1684	10.000	1746	10.000	1808	10.000	1870	10.000	1932	10.000	1994	10.000	2056	10.000
1685	10.000	1747	10.000	1809	10.000	1871	10.000	1933	10.000	1995	10.000	2057	10.000
1686	10.000	1748	10.000	1810	10.000	1872	10.000	1934	10.000	1996	10.000	2058	10.000
1687	10.000	1749	10.000	1811	10.000	1873	10.000	1935	10.000	1997	10.000	2059	10.000
1688	10.000	1750	10.000	1812	10.000	1874	10.000	1936	10.000	1998	10.000	2060	10.000
1689	10.000	1751	10.000	1813	10.000	1875	10.000	1937	10.000	1999	10.000	2061	10.000
1690	10.000	1752	10.000	1814	10.000	1876	10.000	1938	10.000	2000	10.000	2062	10.000
1691	10.000	1753	10.000	1815	10.000	1877	10.000	1939	10.000	2001	10.000	2063	10.000
1692	10.000	1754	10.000	1816	10.000	1878	10.000	1940	10.000	2002	10.000	2064	10.000
1693	10.000	1755	10.000	1817	10.000	1879	10.000	1941	10.000	2003	10.000	2065	10.000
1694	10.000	1756	10.000	1818	10.000	1880	10.000	1942	10.000	2004	10.000	2066	10.000
1695	10.000	1757	10.000	1819	10.000	1881	10.000	1943	10.000	2005	10.000	2067	10.000
1696	10.000	1758	10.000	1820	10.000	1882	10.000	1944	10.000	2006	10.000	2068	10.000
1697	10.000	1759	10.000	1821	10.000	1883	10.000	1945	10.000	2007	10.000	2069	10.000
1698	10.000	1760	10.000	1822	10.000	1884	10.000	1946	10.000	2008	10.000	2070	10.000
1699	10.000	1761	10.000	1823	10.000	1885	10.000	1947	10.000	2009	10.000	2071	10.000
1700	10.000	1762	10.000	1824	10.000	1886	10.000	1948	10.000	2010	10.000	2072	10.000
1701	10.000	1763	10.000	1825	10.000	1887	10.000	1949	10.000	2011	10.000	2073	10.000
1702	10.000	1764	10.000	1826	10.000	1888	10.000	1950	10.000	2012	10.000	2074	10.000
1703	10.000	1765	10.000	1827	10.000	1889	10.000	1951	10.000	2013	10.000	2075	10.000
1704	10.000	1766	10.000	1828	10.000	1890	10.000	1952	10.000	2014	10.000	2076	10.000
1705	10.000	1767	10.000	1829	10.000	1891	10.000	1953	10.000	2015	10.000	2077	10.000
1706	10.000	1768	10.000	1830	10.000	1892	10.000	1954	10.000	2016	10.000	2078	10.000
1707	10.000	1769	10.000	1831	10.000	1893	10.000	1955	10.000	2017	10.000	2079	10.000
1708	10.000	1770	10.000	1832	10.000	1894	10.000	1956	10.000	2018	10.000	2080	10.000
1709	10.000	1771	10.000	1833	10.000	1895	10.000	1957	10.000	2019	10.000	2081	10.000
1710	10.000	1772	10.000	1834	10.000	1896	10.000	1958	10.000	2020	10.000	2082	10.000
1711	10.000	1773	10.000	1835	10.000	1897	10.000	1959	10.000	2021	10.000	2083	10.000
1712	10.000	1774	10.000	1836	10.000	1898	10.000	1960	10.000	2022	10.000	2084	10.000
1713	10.000	1775	10.000	1837	10.000	1899	10.000	1961	10.000	2023	10.000	2085	10.000
1714	10.000	1776	10.000	1838	10.000	1900	10.000	1962	10.000	2024	10.000	2086	10.000
1715	10.000	1777	10.000	1839	10.000	1901	10.000	1963	10.000	2025	10.000	2087	10.000
1716	10.000	1778	10.000	1840	10.000	1902	10.000	1964	10.000	2026	10.000	2088	10.000
1717	10.000	1779	10.000	1841	10.000	1903	10.000	1965	10.000	2027	10.000	2089	10.000
1718	10.000	1780	10.000	1842	10.000	1904	10.000	1966	10.000	2028	10.000	2090	10.000
1719	10.000	1781	10.000	1843	10.000	1905	10.000	1967	10.000	2029	10.000	2091	10.000
1720	10.000	1782	10.000	1844	10.000	1906	10.000	1968	10.000	2030	10.000	2092	10.000
1721	10.000	1783	10.000	1845	10.000	1907	10.000	1969	10.000	2031	10.000	2093	10.000
1722	10.000	1784	10.000	1846	10.000	1908	10.000	1970	10.000	2032	10.000	2094	10.000
1723	10.000	1785	10.000	1847	10.000	1909	10.000	1971	10.000	2033	10.000	2095	10.000
1724	10.000	1786	10.000	1848	10.000	1910	10.000	1972	10.000	2034	10.000	2096	10.000
1725	10.000	1787	10.000	1849	10.000	1911	10.000	1973	10.000	2035	10.000	2097	10.000
1726	10.000	1788	10.000	1850	10.000	1912	10.000	1974	10.000	2036	10.000	2098	10.000
1727	10.000	1789	10.000	1851	10.000	1913	10.000	1975	10.000	2037	10.000	2099	10.000
1728	10.000	1790	10.000	1852	10.000	1914	10.000	1976	10.000	2038	10.000	2100	10.000
1729	10.000	1791	10.000	1853	10.000	1915	10.000	1977	10.000	2039	10.000	2101	10.000
1730	10.000	1792	10.000	1854	10.000	1916	10.000	1978	10.000	2040	10.000	2102	10.000
1731	10.000	1793	10.000	1855	10.000	1917	10.000	1979	10.000	2041	10.000	2103	10.000
1732	10.000	1794	10.000	1856	10.000	1918	10.000	1980	10.000	2042	10.000	2104	10.000
1733	10.000	1795	10.000	1857	10.000	1919	10.000	1981	10.000	2043	10.000	2105	10.000
1734	10.000	1796	10.000	1858	10.000	1920	10.000	1982	10.000	2044	10.000	2106	10.000













Sizewell Link Road  
DCO Design Review  
SLR-AB-15



Date 30/09/2021

Designed by Daniel James

File SLR-AB-15 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-15

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4649	10.000	4711	10.000	4773	10.000	4835	10.000	4897	10.000	4959	10.000	5021	10.000
4650	10.000	4712	10.000	4774	10.000	4836	10.000	4898	10.000	4960	10.000	5022	10.000
4651	10.000	4713	10.000	4775	10.000	4837	10.000	4899	10.000	4961	10.000	5023	10.000
4652	10.000	4714	10.000	4776	10.000	4838	10.000	4900	10.000	4962	10.000	5024	10.000
4653	10.000	4715	10.000	4777	10.000	4839	10.000	4901	10.000	4963	10.000	5025	10.000
4654	10.000	4716	10.000	4778	10.000	4840	10.000	4902	10.000	4964	10.000	5026	10.000
4655	10.000	4717	10.000	4779	10.000	4841	10.000	4903	10.000	4965	10.000	5027	10.000
4656	10.000	4718	10.000	4780	10.000	4842	10.000	4904	10.000	4966	10.000	5028	10.000
4657	10.000	4719	10.000	4781	10.000	4843	10.000	4905	10.000	4967	10.000	5029	10.000
4658	10.000	4720	10.000	4782	10.000	4844	10.000	4906	10.000	4968	10.000	5030	10.000
4659	10.000	4721	10.000	4783	10.000	4845	10.000	4907	10.000	4969	10.000	5031	10.000
4660	10.000	4722	10.000	4784	10.000	4846	10.000	4908	10.000	4970	10.000	5032	10.000
4661	10.000	4723	10.000	4785	10.000	4847	10.000	4909	10.000	4971	10.000	5033	10.000
4662	10.000	4724	10.000	4786	10.000	4848	10.000	4910	10.000	4972	10.000	5034	10.000
4663	10.000	4725	10.000	4787	10.000	4849	10.000	4911	10.000	4973	10.000	5035	10.000
4664	10.000	4726	10.000	4788	10.000	4850	10.000	4912	10.000	4974	10.000	5036	10.000
4665	10.000	4727	10.000	4789	10.000	4851	10.000	4913	10.000	4975	10.000	5037	10.000
4666	10.000	4728	10.000	4790	10.000	4852	10.000	4914	10.000	4976	10.000	5038	10.000
4667	10.000	4729	10.000	4791	10.000	4853	10.000	4915	10.000	4977	10.000	5039	10.000
4668	10.000	4730	10.000	4792	10.000	4854	10.000	4916	10.000	4978	10.000	5040	10.000
4669	10.000	4731	10.000	4793	10.000	4855	10.000	4917	10.000	4979	10.000	5041	10.000
4670	10.000	4732	10.000	4794	10.000	4856	10.000	4918	10.000	4980	10.000	5042	10.000
4671	10.000	4733	10.000	4795	10.000	4857	10.000	4919	10.000	4981	10.000	5043	10.000
4672	10.000	4734	10.000	4796	10.000	4858	10.000	4920	10.000	4982	10.000	5044	10.000
4673	10.000	4735	10.000	4797	10.000	4859	10.000	4921	10.000	4983	10.000	5045	10.000
4674	10.000	4736	10.000	4798	10.000	4860	10.000	4922	10.000	4984	10.000	5046	10.000
4675	10.000	4737	10.000	4799	10.000	4861	10.000	4923	10.000	4985	10.000	5047	10.000
4676	10.000	4738	10.000	4800	10.000	4862	10.000	4924	10.000	4986	10.000	5048	10.000
4677	10.000	4739	10.000	4801	10.000	4863	10.000	4925	10.000	4987	10.000	5049	10.000
4678	10.000	4740	10.000	4802	10.000	4864	10.000	4926	10.000	4988	10.000	5050	10.000
4679	10.000	4741	10.000	4803	10.000	4865	10.000	4927	10.000	4989	10.000	5051	10.000
4680	10.000	4742	10.000	4804	10.000	4866	10.000	4928	10.000	4990	10.000	5052	10.000
4681	10.000	4743	10.000	4805	10.000	4867	10.000	4929	10.000	4991	10.000	5053	10.000
4682	10.000	4744	10.000	4806	10.000	4868	10.000	4930	10.000	4992	10.000	5054	10.000
4683	10.000	4745	10.000	4807	10.000	4869	10.000	4931	10.000	4993	10.000	5055	10.000
4684	10.000	4746	10.000	4808	10.000	4870	10.000	4932	10.000	4994	10.000	5056	10.000
4685	10.000	4747	10.000	4809	10.000	4871	10.000	4933	10.000	4995	10.000	5057	10.000
4686	10.000	4748	10.000	4810	10.000	4872	10.000	4934	10.000	4996	10.000	5058	10.000
4687	10.000	4749	10.000	4811	10.000	4873	10.000	4935	10.000	4997	10.000	5059	10.000
4688	10.000	4750	10.000	4812	10.000	4874	10.000	4936	10.000	4998	10.000	5060	10.000
4689	10.000	4751	10.000	4813	10.000	4875	10.000	4937	10.000	4999	10.000	5061	10.000
4690	10.000	4752	10.000	4814	10.000	4876	10.000	4938	10.000	5000	10.000	5062	10.000
4691	10.000	4753	10.000	4815	10.000	4877	10.000	4939	10.000	5001	10.000	5063	10.000
4692	10.000	4754	10.000	4816	10.000	4878	10.000	4940	10.000	5002	10.000	5064	10.000
4693	10.000	4755	10.000	4817	10.000	4879	10.000	4941	10.000	5003	10.000	5065	10.000
4694	10.000	4756	10.000	4818	10.000	4880	10.000	4942	10.000	5004	10.000	5066	10.000
4695	10.000	4757	10.000	4819	10.000	4881	10.000	4943	10.000	5005	10.000	5067	10.000
4696	10.000	4758	10.000	4820	10.000	4882	10.000	4944	10.000	5006	10.000	5068	10.000
4697	10.000	4759	10.000	4821	10.000	4883	10.000	4945	10.000	5007	10.000	5069	10.000
4698	10.000	4760	10.000	4822	10.000	4884	10.000	4946	10.000	5008	10.000	5070	10.000
4699	10.000	4761	10.000	4823	10.000	4885	10.000	4947	10.000	5009	10.000	5071	10.000
4700	10.000	4762	10.000	4824	10.000	4886	10.000	4948	10.000	5010	10.000	5072	10.000
4701	10.000	4763	10.000	4825	10.000	4887	10.000	4949	10.000	5011	10.000	5073	10.000
4702	10.000	4764	10.000	4826	10.000	4888	10.000	4950	10.000	5012	10.000	5074	10.000
4703	10.000	4765	10.000	4827	10.000	4889	10.000	4951	10.000	5013	10.000	5075	10.000
4704	10.000	4766	10.000	4828	10.000	4890	10.000	4952	10.000	5014	10.000	5076	10.000
4705	10.000	4767	10.000	4829	10.000	4891	10.000	4953	10.000	5015	10.000	5077	10.000
4706	10.000	4768	10.000	4830	10.000	4892	10.000	4954	10.000	5016	10.000	5078	10.000
4707	10.000	4769	10.000	4831	10.000	4893	10.000	4955	10.000	5017	10.000	5079	10.000
4708	10.000	4770	10.000	4832	10.000	4894	10.000	4956	10.000	5018	10.000	5080	10.000
4709	10.000	4771	10.000	4833	10.000	4895	10.000	4957	10.000	5019	10.000	5081	10.000
4710	10.000	4772	10.000	4834	10.000	4896	10.000	4958	10.000	5020	10.000	5082	10.000



























Sizewell Link Road  
DCO Design Review  
SLR-AB-15



Date 30/09/2021

Designed by Daniel James

File SLR-AB-15 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-15

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9609	10.000	9671	10.000	9733	10.000	9795	10.000	9857	10.000	9919	10.000	9981	10.000
9610	10.000	9672	10.000	9734	10.000	9796	10.000	9858	10.000	9920	10.000	9982	10.000
9611	10.000	9673	10.000	9735	10.000	9797	10.000	9859	10.000	9921	10.000	9983	10.000
9612	10.000	9674	10.000	9736	10.000	9798	10.000	9860	10.000	9922	10.000	9984	10.000
9613	10.000	9675	10.000	9737	10.000	9799	10.000	9861	10.000	9923	10.000	9985	10.000
9614	10.000	9676	10.000	9738	10.000	9800	10.000	9862	10.000	9924	10.000	9986	10.000
9615	10.000	9677	10.000	9739	10.000	9801	10.000	9863	10.000	9925	10.000	9987	10.000
9616	10.000	9678	10.000	9740	10.000	9802	10.000	9864	10.000	9926	10.000	9988	10.000
9617	10.000	9679	10.000	9741	10.000	9803	10.000	9865	10.000	9927	10.000	9989	10.000
9618	10.000	9680	10.000	9742	10.000	9804	10.000	9866	10.000	9928	10.000	9990	10.000
9619	10.000	9681	10.000	9743	10.000	9805	10.000	9867	10.000	9929	10.000	9991	10.000
9620	10.000	9682	10.000	9744	10.000	9806	10.000	9868	10.000	9930	10.000	9992	10.000
9621	10.000	9683	10.000	9745	10.000	9807	10.000	9869	10.000	9931	10.000	9993	10.000
9622	10.000	9684	10.000	9746	10.000	9808	10.000	9870	10.000	9932	10.000	9994	10.000
9623	10.000	9685	10.000	9747	10.000	9809	10.000	9871	10.000	9933	10.000	9995	10.000
9624	10.000	9686	10.000	9748	10.000	9810	10.000	9872	10.000	9934	10.000	9996	10.000
9625	10.000	9687	10.000	9749	10.000	9811	10.000	9873	10.000	9935	10.000	9997	10.000
9626	10.000	9688	10.000	9750	10.000	9812	10.000	9874	10.000	9936	10.000	9998	10.000
9627	10.000	9689	10.000	9751	10.000	9813	10.000	9875	10.000	9937	10.000	9999	10.000
9628	10.000	9690	10.000	9752	10.000	9814	10.000	9876	10.000	9938	10.000	10000	10.000
9629	10.000	9691	10.000	9753	10.000	9815	10.000	9877	10.000	9939	10.000	10001	10.000
9630	10.000	9692	10.000	9754	10.000	9816	10.000	9878	10.000	9940	10.000	10002	10.000
9631	10.000	9693	10.000	9755	10.000	9817	10.000	9879	10.000	9941	10.000	10003	10.000
9632	10.000	9694	10.000	9756	10.000	9818	10.000	9880	10.000	9942	10.000	10004	10.000
9633	10.000	9695	10.000	9757	10.000	9819	10.000	9881	10.000	9943	10.000	10005	10.000
9634	10.000	9696	10.000	9758	10.000	9820	10.000	9882	10.000	9944	10.000	10006	10.000
9635	10.000	9697	10.000	9759	10.000	9821	10.000	9883	10.000	9945	10.000	10007	10.000
9636	10.000	9698	10.000	9760	10.000	9822	10.000	9884	10.000	9946	10.000	10008	10.000
9637	10.000	9699	10.000	9761	10.000	9823	10.000	9885	10.000	9947	10.000	10009	10.000
9638	10.000	9700	10.000	9762	10.000	9824	10.000	9886	10.000	9948	10.000	10010	10.000
9639	10.000	9701	10.000	9763	10.000	9825	10.000	9887	10.000	9949	10.000	10011	10.000
9640	10.000	9702	10.000	9764	10.000	9826	10.000	9888	10.000	9950	10.000	10012	10.000
9641	10.000	9703	10.000	9765	10.000	9827	10.000	9889	10.000	9951	10.000	10013	10.000
9642	10.000	9704	10.000	9766	10.000	9828	10.000	9890	10.000	9952	10.000	10014	10.000
9643	10.000	9705	10.000	9767	10.000	9829	10.000	9891	10.000	9953	10.000	10015	10.000
9644	10.000	9706	10.000	9768	10.000	9830	10.000	9892	10.000	9954	10.000	10016	10.000
9645	10.000	9707	10.000	9769	10.000	9831	10.000	9893	10.000	9955	10.000	10017	10.000
9646	10.000	9708	10.000	9770	10.000	9832	10.000	9894	10.000	9956	10.000	10018	10.000
9647	10.000	9709	10.000	9771	10.000	9833	10.000	9895	10.000	9957	10.000	10019	10.000
9648	10.000	9710	10.000	9772	10.000	9834	10.000	9896	10.000	9958	10.000	10020	10.000
9649	10.000	9711	10.000	9773	10.000	9835	10.000	9897	10.000	9959	10.000	10021	10.000
9650	10.000	9712	10.000	9774	10.000	9836	10.000	9898	10.000	9960	10.000	10022	10.000
9651	10.000	9713	10.000	9775	10.000	9837	10.000	9899	10.000	9961	10.000	10023	10.000
9652	10.000	9714	10.000	9776	10.000	9838	10.000	9900	10.000	9962	10.000	10024	10.000
9653	10.000	9715	10.000	9777	10.000	9839	10.000	9901	10.000	9963	10.000	10025	10.000
9654	10.000	9716	10.000	9778	10.000	9840	10.000	9902	10.000	9964	10.000	10026	10.000
9655	10.000	9717	10.000	9779	10.000	9841	10.000	9903	10.000	9965	10.000	10027	10.000
9656	10.000	9718	10.000	9780	10.000	9842	10.000	9904	10.000	9966	10.000	10028	10.000
9657	10.000	9719	10.000	9781	10.000	9843	10.000	9905	10.000	9967	10.000	10029	10.000
9658	10.000	9720	10.000	9782	10.000	9844	10.000	9906	10.000	9968	10.000	10030	10.000
9659	10.000	9721	10.000	9783	10.000	9845	10.000	9907	10.000	9969	10.000	10031	10.000
9660	10.000	9722	10.000	9784	10.000	9846	10.000	9908	10.000	9970	10.000	10032	10.000
9661	10.000	9723	10.000	9785	10.000	9847	10.000	9909	10.000	9971	10.000	10033	10.000
9662	10.000	9724	10.000	9786	10.000	9848	10.000	9910	10.000	9972	10.000	10034	10.000
9663	10.000	9725	10.000	9787	10.000	9849	10.000	9911	10.000	9973	10.000	10035	10.000
9664	10.000	9726	10.000	9788	10.000	9850	10.000	9912	10.000	9974	10.000	10036	10.000
9665	10.000	9727	10.000	9789	10.000	9851	10.000	9913	10.000	9975	10.000	10037	10.000
9666	10.000	9728	10.000	9790	10.000	9852	10.000	9914	10.000	9976	10.000	10038	10.000
9667	10.000	9729	10.000	9791	10.000	9853	10.000	9915	10.000	9977	10.000	10039	10.000
9668	10.000	9730	10.000	9792	10.000	9854	10.000	9916	10.000	9978	10.000	10040	10.000
9669	10.000	9731	10.000	9793	10.000	9855	10.000	9917	10.000	9979	10.000	10041	10.000
9670	10.000	9732	10.000	9794	10.000	9856	10.000	9918	10.000	9980	10.000	10042	10.000

Sizewell Link Road  
DCO Design Review  
SLR-AB-15



Date 30/09/2021

Designed by Daniel James

File SLR-AB-15 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-15

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
10105	10.000	10167	10.000	10229	10.000	10291	10.000	10353	10.000	10415	10.000	10477	10.000
10106	10.000	10168	10.000	10230	10.000	10292	10.000	10354	10.000	10416	10.000	10478	10.000
10107	10.000	10169	10.000	10231	10.000	10293	10.000	10355	10.000	10417	10.000	10479	10.000
10108	10.000	10170	10.000	10232	10.000	10294	10.000	10356	10.000	10418	10.000	10480	10.000
10109	10.000	10171	10.000	10233	10.000	10295	10.000	10357	10.000	10419	10.000	10481	10.000
10110	10.000	10172	10.000	10234	10.000	10296	10.000	10358	10.000	10420	10.000	10482	10.000
10111	10.000	10173	10.000	10235	10.000	10297	10.000	10359	10.000	10421	10.000	10483	10.000
10112	10.000	10174	10.000	10236	10.000	10298	10.000	10360	10.000	10422	10.000	10484	10.000
10113	10.000	10175	10.000	10237	10.000	10299	10.000	10361	10.000	10423	10.000	10485	10.000
10114	10.000	10176	10.000	10238	10.000	10300	10.000	10362	10.000	10424	10.000	10486	10.000
10115	10.000	10177	10.000	10239	10.000	10301	10.000	10363	10.000	10425	10.000	10487	10.000
10116	10.000	10178	10.000	10240	10.000	10302	10.000	10364	10.000	10426	10.000	10488	10.000
10117	10.000	10179	10.000	10241	10.000	10303	10.000	10365	10.000	10427	10.000	10489	10.000
10118	10.000	10180	10.000	10242	10.000	10304	10.000	10366	10.000	10428	10.000	10490	10.000
10119	10.000	10181	10.000	10243	10.000	10305	10.000	10367	10.000	10429	10.000	10491	10.000
10120	10.000	10182	10.000	10244	10.000	10306	10.000	10368	10.000	10430	10.000	10492	10.000
10121	10.000	10183	10.000	10245	10.000	10307	10.000	10369	10.000	10431	10.000	10493	10.000
10122	10.000	10184	10.000	10246	10.000	10308	10.000	10370	10.000	10432	10.000	10494	10.000
10123	10.000	10185	10.000	10247	10.000	10309	10.000	10371	10.000	10433	10.000	10495	10.000
10124	10.000	10186	10.000	10248	10.000	10310	10.000	10372	10.000	10434	10.000	10496	10.000
10125	10.000	10187	10.000	10249	10.000	10311	10.000	10373	10.000	10435	10.000	10497	10.000
10126	10.000	10188	10.000	10250	10.000	10312	10.000	10374	10.000	10436	10.000	10498	10.000
10127	10.000	10189	10.000	10251	10.000	10313	10.000	10375	10.000	10437	10.000	10499	10.000
10128	10.000	10190	10.000	10252	10.000	10314	10.000	10376	10.000	10438	10.000	10500	10.000
10129	10.000	10191	10.000	10253	10.000	10315	10.000	10377	10.000	10439	10.000	10501	10.000
10130	10.000	10192	10.000	10254	10.000	10316	10.000	10378	10.000	10440	10.000	10502	10.000
10131	10.000	10193	10.000	10255	10.000	10317	10.000	10379	10.000	10441	10.000	10503	10.000
10132	10.000	10194	10.000	10256	10.000	10318	10.000	10380	10.000	10442	10.000	10504	10.000
10133	10.000	10195	10.000	10257	10.000	10319	10.000	10381	10.000	10443	10.000	10505	10.000
10134	10.000	10196	10.000	10258	10.000	10320	10.000	10382	10.000	10444	10.000	10506	10.000
10135	10.000	10197	10.000	10259	10.000	10321	10.000	10383	10.000	10445	10.000	10507	10.000
10136	10.000	10198	10.000	10260	10.000	10322	10.000	10384	10.000	10446	10.000	10508	10.000
10137	10.000	10199	10.000	10261	10.000	10323	10.000	10385	10.000	10447	10.000	10509	10.000
10138	10.000	10200	10.000	10262	10.000	10324	10.000	10386	10.000	10448	10.000	10510	10.000
10139	10.000	10201	10.000	10263	10.000	10325	10.000	10387	10.000	10449	10.000	10511	10.000
10140	10.000	10202	10.000	10264	10.000	10326	10.000	10388	10.000	10450	10.000	10512	10.000
10141	10.000	10203	10.000	10265	10.000	10327	10.000	10389	10.000	10451	10.000	10513	10.000
10142	10.000	10204	10.000	10266	10.000	10328	10.000	10390	10.000	10452	10.000	10514	10.000
10143	10.000	10205	10.000	10267	10.000	10329	10.000	10391	10.000	10453	10.000	10515	10.000
10144	10.000	10206	10.000	10268	10.000	10330	10.000	10392	10.000	10454	10.000	10516	10.000
10145	10.000	10207	10.000	10269	10.000	10331	10.000	10393	10.000	10455	10.000	10517	10.000
10146	10.000	10208	10.000	10270	10.000	10332	10.000	10394	10.000	10456	10.000	10518	10.000
10147	10.000	10209	10.000	10271	10.000	10333	10.000	10395	10.000	10457	10.000	10519	10.000
10148	10.000	10210	10.000	10272	10.000	10334	10.000	10396	10.000	10458	10.000	10520	10.000
10149	10.000	10211	10.000	10273	10.000	10335	10.000	10397	10.000	10459	10.000	10521	10.000
10150	10.000	10212	10.000	10274	10.000	10336	10.000	10398	10.000	10460	10.000	10522	10.000
10151	10.000	10213	10.000	10275	10.000	10337	10.000	10399	10.000	10461	10.000	10523	10.000
10152	10.000	10214	10.000	10276	10.000	10338	10.000	10400	10.000	10462	10.000	10524	10.000
10153	10.000	10215	10.000	10277	10.000	10339	10.000	10401	10.000	10463	10.000	10525	10.000
10154	10.000	10216	10.000	10278	10.000	10340	10.000	10402	10.000	10464	10.000	10526	10.000
10155	10.000	10217	10.000	10279	10.000	10341	10.000	10403	10.000	10465	10.000	10527	10.000
10156	10.000	10218	10.000	10280	10.000	10342	10.000	10404	10.000	10466	10.000	10528	10.000
10157	10.000	10219	10.000	10281	10.000	10343	10.000	10405	10.000	10467	10.000	10529	10.000
10158	10.000	10220	10.000	10282	10.000	10344	10.000	10406	10.000	10468	10.000	10530	10.000
10159	10.000	10221	10.000	10283	10.000	10345	10.000	10407	10.000	10469	10.000	10531	10.000
10160	10.000	10222	10.000	10284	10.000	10346	10.000	10408	10.000	10470	10.000	10532	10.000
10161	10.000	10223	10.000	10285	10.000	10347	10.000	10409	10.000	10471	10.000	10533	10.000
10162	10.000	10224	10.000	10286	10.000	10348	10.000	10410	10.000	10472	10.000	10534	10.000
10163	10.000	10225	10.000	10287	10.000	10349	10.000	10411	10.000	10473	10.000	10535	10.000
10164	10.000	10226	10.000	10288	10.000	10350	10.000	10412	10.000	10474	10.000	10536	10.000
10165	10.000	10227	10.000	10289	10.000	10351	10.000	10413	10.000	10475	10.000	10537	10.000
10166	10.000	10228	10.000	10290	10.000	10352	10.000	10414	10.000	10476	10.000	10538	10.000

Sizewell Link Road  
DCO Design Review  
SLR-AB-15



Date 30/09/2021

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File SLR-AB-15 surcharged.MDX

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Surcharged Outfall Details for SLR-AB-15

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
10601	10.000	10626	10.000	10651	10.000	10676	10.000	10701	10.000	10726	10.000	10751	10.000
10602	10.000	10627	10.000	10652	10.000	10677	10.000	10702	10.000	10727	10.000	10752	10.000
10603	10.000	10628	10.000	10653	10.000	10678	10.000	10703	10.000	10728	10.000	10753	10.000
10604	10.000	10629	10.000	10654	10.000	10679	10.000	10704	10.000	10729	10.000	10754	10.000
10605	10.000	10630	10.000	10655	10.000	10680	10.000	10705	10.000	10730	10.000	10755	10.000
10606	10.000	10631	10.000	10656	10.000	10681	10.000	10706	10.000	10731	10.000	10756	10.000
10607	10.000	10632	10.000	10657	10.000	10682	10.000	10707	10.000	10732	10.000	10757	10.000
10608	10.000	10633	10.000	10658	10.000	10683	10.000	10708	10.000	10733	10.000	10758	10.000
10609	10.000	10634	10.000	10659	10.000	10684	10.000	10709	10.000	10734	10.000	10759	10.000
10610	10.000	10635	10.000	10660	10.000	10685	10.000	10710	10.000	10735	10.000	10760	10.000
10611	10.000	10636	10.000	10661	10.000	10686	10.000	10711	10.000	10736	10.000	10761	10.000
10612	10.000	10637	10.000	10662	10.000	10687	10.000	10712	10.000	10737	10.000	10762	10.000
10613	10.000	10638	10.000	10663	10.000	10688	10.000	10713	10.000	10738	10.000	10763	10.000
10614	10.000	10639	10.000	10664	10.000	10689	10.000	10714	10.000	10739	10.000	10764	10.000
10615	10.000	10640	10.000	10665	10.000	10690	10.000	10715	10.000	10740	10.000	10765	10.000
10616	10.000	10641	10.000	10666	10.000	10691	10.000	10716	10.000	10741	10.000	10766	10.000
10617	10.000	10642	10.000	10667	10.000	10692	10.000	10717	10.000	10742	10.000	10767	10.000
10618	10.000	10643	10.000	10668	10.000	10693	10.000	10718	10.000	10743	10.000	10768	10.000
10619	10.000	10644	10.000	10669	10.000	10694	10.000	10719	10.000	10744	10.000	10769	10.000
10620	10.000	10645	10.000	10670	10.000	10695	10.000	10720	10.000	10745	10.000	10770	10.000
10621	10.000	10646	10.000	10671	10.000	10696	10.000	10721	10.000	10746	10.000	10771	10.000
10622	10.000	10647	10.000	10672	10.000	10697	10.000	10722	10.000	10747	10.000	10772	10.000
10623	10.000	10648	10.000	10673	10.000	10698	10.000	10723	10.000	10748	10.000	10773	10.000
10624	10.000	10649	10.000	10674	10.000	10699	10.000	10724	10.000	10749	10.000	10774	10.000
10625	10.000	10650	10.000	10675	10.000	10700	10.000	10725	10.000	10750	10.000	10775	10.000

Simulation Criteria for SLR-AB-15

Volumetric Runoff Coeff 0.750      Additional Flow - % of Total Flow 0.000  
 Areal Reduction Factor 1.000      MADD Factor \* 10m³/ha Storage 2.000  
 Hot Start (mins) 0      Inlet Coefficient 0.800  
 Hot Start Level (mm) 0      Flow per Person per Day (l/per/day) 0.000  
 Manhole Headloss Coeff (Global) 0.500      Run Time (mins) 60  
 Foul Sewage per hectare (l/s) 0.000      Output Interval (mins) 1

Number of Input Hydrographs 0      Number of Offline Controls 0      Number of Time/Area Diagrams 0  
 Number of Online Controls 2      Number of Storage Structures 2      Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model      FEH      Summer Storms      Yes  
 Return Period (years)      2      Winter Storms      No  
 FEH Rainfall Version      2013      Cv (Summer)      0.750  
 Site Location GB 640286 267538 TM 40286 67538      Cv (Winter)      0.840  
 Data Type      Point Storm Duration (mins)      30

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Online Controls for SLR-AB-15

Hydro-Brake® Optimum Manhole: S7, DS/PN: S24.005, Volume (m³): 5.3

Unit Reference	MD-SHE-0073-3000-1700-3000
Design Head (m)	1.700
Design Flow (l/s)	4.5
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	73
Invert Level (m)	10.628
Minimum Outlet Pipe Diameter (mm)	100
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.700	3.0	Kick-Flo®	0.653	1.9
Flush-Flo™	0.322	2.4	Mean Flow over Head Range	-	2.3

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	1.9	0.800	2.1	2.000	3.2	4.000	4.5	7.000	5.8
0.200	2.3	1.000	2.4	2.200	3.4	4.500	4.7	7.500	6.0
0.300	2.4	1.200	2.6	2.400	3.5	5.000	5.0	8.000	6.2
0.400	2.4	1.400	2.7	2.600	3.6	5.500	5.2	8.500	6.4
0.500	2.3	1.600	2.9	3.000	3.9	6.000	5.4	9.000	6.5
0.600	2.1	1.800	3.1	3.500	4.2	6.500	5.6	9.500	6.7

Hydro-Brake® Optimum Manhole: S15, DS/PN: S22.003, Volume (m³): 5.0

Unit Reference	MD-SHE-0105-5000-1000-5000
Design Head (m)	1.000
Design Flow (l/s)	5.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	105
Invert Level (m)	8.739
Minimum Outlet Pipe Diameter (mm)	150
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.000	5.0	Kick-Flo®	0.637	4.1
Flush-Flo™	0.296	5.0	Mean Flow over Head Range	-	4.3

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.6	0.800	4.5	2.000	6.9	4.000	9.6	7.000	12.5
0.200	4.8	1.000	5.0	2.200	7.2	4.500	10.1	7.500	12.9
0.300	5.0	1.200	5.4	2.400	7.5	5.000	10.6	8.000	13.3
0.400	4.9	1.400	5.8	2.600	7.8	5.500	11.1	8.500	13.7
0.500	4.7	1.600	6.2	3.000	8.4	6.000	11.6	9.000	14.1
0.600	4.3	1.800	6.6	3.500	9.0	6.500	12.1	9.500	14.5

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Storage Structures for SLR-AB-15

Tank or Pond Manhole: S7, DS/PN: S24.005

Invert Level (m) 10.628

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	100.0	1.700	1000.0

Tank or Pond Manhole: S15, DS/PN: S22.003

Invert Level (m) 8.771

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	800.0	1.200	2000.0

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-15

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S22.000	S157	15 Winter	2	+0%					9.244	-0.236	0.000
S22.001	S17	15 Winter	2	+0%	100/1440 Winter				9.111	-0.222	0.000
S23.000	S152	15 Winter	2	+0%	100/15 Summer				12.056	-0.169	0.000
S23.001	S153	15 Winter	2	+0%	100/15 Summer				11.657	-0.156	0.000
S23.002	S154	15 Winter	2	+0%	30/15 Winter				11.633	-0.122	0.000
S23.003	S16	15 Winter	2	+0%	30/15 Summer				11.120	-0.114	0.000
S23.004	S18	15 Winter	2	+0%	30/15 Summer				10.841	-0.105	0.000
S24.000	S147	15 Winter	2	+0%					11.611	-0.189	0.000
S24.001	S148	15 Winter	2	+0%					11.224	-0.176	0.000
S24.002	S149	15 Winter	2	+0%	100/15 Summer				10.974	-0.146	0.000
S24.003	S11	15 Winter	2	+0%	30/180 Winter				10.877	-0.149	0.000
S24.004	S6	240 Winter	2	+0%	5/120 Winter				10.844	-0.040	0.000
S25.000	S141	15 Winter	2	+0%					13.385	-0.235	0.000
S25.001	S142	15 Winter	2	+0%					13.007	-0.221	0.000
S25.002	S143	15 Winter	2	+0%					12.992	-0.206	0.000
S25.003	S144	15 Winter	2	+0%	100/15 Summer				12.440	-0.196	0.000
S25.004	S12	15 Winter	2	+0%	100/15 Winter				12.199	-0.196	0.000
S24.005	S7	240 Winter	2	+0%	5/120 Summer				10.843	-0.009	0.000
S24.006	S19	30 Winter	2	+0%					10.353	-0.415	0.000
S23.005	S19	15 Winter	2	+0%					10.323	-0.308	0.000
S22.002	S14	5760 Winter	2	+0%	100/960 Summer				9.013	-0.220	0.000
S22.003	S15	5760 Winter	2	+0%	100/720 Winter				9.013	-0.177	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Level Exceeded
S22.000	S157	0.10		7.1	OK
S22.001	S17	0.15		10.4	OK
S23.000	S152	0.14		6.9	OK
S23.001	S153	0.20		6.9	OK
S23.002	S154	0.40		15.5	OK
S23.003	S16	0.48		19.0	OK

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-15

PN	US/MH Name	Flow / Overflow Cap. (l/s)	Pipe		Level Exceeded
			Flow (l/s)	Status	
S23.004	S18	0.55	21.2	OK	
S24.000	S147	0.06	3.6	OK	
S24.001	S148	0.10	6.3	OK	
S24.002	S149	0.26	9.3	OK	
S24.003	S11	0.25	9.2	OK	
S24.004	S6	0.08	2.2	OK	
S25.000	S141	0.10	8.3	OK	
S25.001	S142	0.15	8.3	OK	
S25.002	S143	0.20	16.8	OK	
S25.003	S144	0.26	20.8	OK	
S25.004	S12	0.26	20.8	OK	
S24.005	S7	0.01	2.3	OK	
S24.006	S19	0.01	2.2	OK	
S23.005	S19	0.22	21.7	OK	
S22.002	S14	0.01	1.6	OK	
S22.003	S15	0.05	4.9	OK	



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-15

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S22.000	S157	15 Winter	5	+0%					9.254	-0.226	0.000
S22.001	S17	15 Winter	5	+0%	100/1440 Winter				9.126	-0.208	0.000
S23.000	S152	15 Winter	5	+0%	100/15 Summer				12.067	-0.158	0.000
S23.001	S153	15 Winter	5	+0%	100/15 Summer				11.671	-0.142	0.000
S23.002	S154	15 Winter	5	+0%	30/15 Winter				11.654	-0.102	0.000
S23.003	S16	15 Winter	5	+0%	30/15 Summer				11.143	-0.092	0.000
S23.004	S18	15 Winter	5	+0%	30/15 Summer				10.867	-0.080	0.000
S24.000	S147	15 Winter	5	+0%					11.618	-0.182	0.000
S24.001	S148	15 Winter	5	+0%					11.232	-0.168	0.000
S24.002	S149	15 Winter	5	+0%	100/15 Summer				10.988	-0.132	0.000
S24.003	S11	240 Winter	5	+0%	30/180 Winter				10.901	-0.125	0.000
S24.004	S6	240 Winter	5	+0%	5/120 Winter				10.899	0.015	0.000
S25.000	S141	15 Winter	5	+0%					13.395	-0.225	0.000
S25.001	S142	15 Winter	5	+0%					13.022	-0.206	0.000
S25.002	S143	15 Winter	5	+0%					13.008	-0.190	0.000
S25.003	S144	15 Winter	5	+0%	100/15 Summer				12.459	-0.176	0.000
S25.004	S12	15 Winter	5	+0%	100/15 Winter				12.218	-0.177	0.000
S24.005	S7	240 Winter	5	+0%	5/120 Summer				10.899	0.046	0.000
S24.006	S19	15 Winter	5	+0%					10.365	-0.403	0.000
S23.005	S19	15 Winter	5	+0%					10.347	-0.284	0.000
S22.002	S14	5760 Winter	5	+0%	100/960 Summer				9.051	-0.182	0.000
S22.003	S15	5760 Winter	5	+0%	100/720 Winter				9.051	-0.138	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S22.000	S157	0.14		9.6	OK	
S22.001	S17	0.20		14.0	OK	
S23.000	S152	0.19		9.3	OK	
S23.001	S153	0.28		9.3	OK	
S23.002	S154	0.54		20.9	OK	
S23.003	S16	0.65		25.7	OK	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-15

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S23.004	S18	0.74		28.5	OK	
S24.000	S147	0.08		4.9	OK	
S24.001	S148	0.14		8.5	OK	
S24.002	S149	0.35		12.6	OK	
S24.003	S11	0.08		3.0	OK	
S24.004	S6	0.09		2.7	SURCHARGED	
S25.000	S141	0.14		11.2	OK	
S25.001	S142	0.20		11.2	OK	
S25.002	S143	0.27		22.7	OK	
S25.003	S144	0.35		28.1	OK	
S25.004	S12	0.35		27.9	OK	
S24.005	S7	0.01		2.4	SURCHARGED	
S24.006	S19	0.01		2.4	OK	
S23.005	S19	0.30		29.3	OK	
S22.002	S14	0.02		1.9	OK	
S22.003	S15	0.05		5.0	OK	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-15

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S22.000	S157	15 Winter	30	+0%					9.277	-0.203	0.000
S22.001	S17	5760 Winter	30	+0%	100/1440 Winter				9.160	-0.174	0.000
S23.000	S152	15 Winter	30	+0%	100/15 Summer				12.087	-0.138	0.000
S23.001	S153	15 Winter	30	+0%	100/15 Summer				11.780	-0.033	0.000
S23.002	S154	15 Winter	30	+0%	30/15 Winter				11.768	0.012	0.000
S23.003	S16	15 Winter	30	+0%	30/15 Summer				11.305	0.071	0.000
S23.004	S18	15 Winter	30	+0%	30/15 Summer				10.973	0.026	0.000
S24.000	S147	15 Winter	30	+0%					11.629	-0.171	0.000
S24.001	S148	15 Winter	30	+0%					11.253	-0.147	0.000
S24.002	S149	240 Winter	30	+0%	100/15 Summer				11.045	-0.075	0.000
S24.003	S11	240 Winter	30	+0%	30/180 Winter				11.044	0.018	0.000
S24.004	S6	360 Winter	30	+0%	5/120 Winter				11.042	0.159	0.000
S25.000	S141	15 Winter	30	+0%					13.419	-0.201	0.000
S25.001	S142	15 Winter	30	+0%					13.065	-0.163	0.000
S25.002	S143	15 Winter	30	+0%					13.056	-0.142	0.000
S25.003	S144	15 Winter	30	+0%	100/15 Summer				12.513	-0.122	0.000
S25.004	S12	15 Winter	30	+0%	100/15 Winter				12.270	-0.125	0.000
S24.005	S7	360 Winter	30	+0%	5/120 Summer				11.042	0.189	0.000
S24.006	S19	15 Winter	30	+0%					10.402	-0.366	0.000
S23.005	S19	15 Winter	30	+0%					10.400	-0.231	0.000
S22.002	S14	5760 Winter	30	+0%	100/960 Summer				9.160	-0.073	0.000
S22.003	S15	5760 Winter	30	+0%	100/720 Winter				9.160	-0.030	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S22.000	S157	0.22		15.9	OK	
S22.001	S17	0.01		0.4	OK	
S23.000	S152	0.31		15.3	OK	
S23.001	S153	0.49		16.7	OK	
S23.002	S154	0.93		36.5	SURCHARGED	
S23.003	S16	1.06		42.3	SURCHARGED	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-15

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S23.004	S18	1.19		45.8	SURCHARGED	
S24.000	S147	0.13		8.1	OK	
S24.001	S148	0.26		15.8	OK	
S24.002	S149	0.13		4.7	OK	
S24.003	S11	0.12		4.5	SURCHARGED	
S24.004	S6	0.11		3.1	SURCHARGED	
S25.000	S141	0.23		18.6	OK	
S25.001	S142	0.34		19.3	OK	
S25.002	S143	0.49		40.3	OK	
S25.003	S144	0.64		50.9	OK	
S25.004	S12	0.64		50.4	OK	
S24.005	S7	0.01		2.4	SURCHARGED	
S24.006	S19	0.02		3.2	OK	
S23.005	S19	0.48		47.5	OK	
S22.002	S14	0.03		2.7	OK	
S22.003	S15	0.05		5.0	OK	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-15

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S22.000	S157	5760 Winter	100	+40%					9.417	-0.063	0.000
S22.001	S17	5760 Winter	100	+40%	100/1440 Winter				9.417	0.084	0.000
S23.000	S152	15 Winter	100	+40%	100/15 Summer				12.785	0.560	0.000
S23.001	S153	15 Winter	100	+40%	100/15 Summer				12.713	0.900	0.000
S23.002	S154	15 Winter	100	+40%	30/15 Winter				12.674	0.918	0.000
S23.003	S16	15 Winter	100	+40%	30/15 Summer				11.792	0.557	0.000
S23.004	S18	15 Winter	100	+40%	30/15 Summer				11.096	0.149	0.000
S24.000	S147	15 Winter	100	+40%					11.649	-0.151	0.000
S24.001	S148	720 Winter	100	+40%					11.378	-0.022	0.000
S24.002	S149	720 Winter	100	+40%	100/15 Summer				11.377	0.257	0.000
S24.003	S11	720 Winter	100	+40%	30/180 Winter				11.376	0.351	0.000
S24.004	S6	720 Winter	100	+40%	5/120 Winter				11.375	0.491	0.000
S25.000	S141	15 Winter	100	+40%					13.457	-0.163	0.000
S25.001	S142	15 Winter	100	+40%					13.146	-0.082	0.000
S25.002	S143	15 Winter	100	+40%					13.133	-0.065	0.000
S25.003	S144	15 Winter	100	+40%	100/15 Summer				12.666	0.031	0.000
S25.004	S12	15 Winter	100	+40%	100/15 Winter				12.401	0.006	0.000
S24.005	S7	720 Winter	100	+40%	5/120 Summer				11.374	0.522	0.000
S24.006	S19	15 Winter	100	+40%					10.451	-0.317	0.000
S23.005	S19	15 Winter	100	+40%					10.450	-0.181	0.000
S22.002	S14	5760 Winter	100	+40%	100/960 Summer				9.417	0.185	0.000
S22.003	S15	5760 Winter	100	+40%	100/720 Winter				9.418	0.228	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S22.000	S157	0.01		0.5	OK	
S22.001	S17	0.01		0.8	SURCHARGED	
S23.000	S152	0.44		22.0	SURCHARGED	
S23.001	S153	0.73		24.5	SURCHARGED	
S23.002	S154	1.31		51.0	SURCHARGED	
S23.003	S16	1.50		59.8	SURCHARGED	


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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-15

PN	US/MH Name	Flow / Overflow Cap.	Flow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S23.004	S18	1.68		64.9	SURCHARGED	
S24.000	S147	0.24		14.5	OK	
S24.001	S148	0.05		4.8	OK	
S24.002	S149	0.11		4.0	SURCHARGED	
S24.003	S11	0.11		4.0	SURCHARGED	
S24.004	S6	0.13		3.9	SURCHARGED	
S25.000	S141	0.41		33.3	OK	
S25.001	S142	0.63		35.8	OK	
S25.002	S143	0.87		72.2	OK	
S25.003	S144	1.07		85.2	SURCHARGED	
S25.004	S12	1.04		82.2	SURCHARGED	
S24.005	S7	0.01		2.4	SURCHARGED	
S24.006	S19	0.02		3.6	OK	
S23.005	S19	0.67		66.1	OK	
S22.002	S14	0.04		4.8	SURCHARGED	
S22.003	S15	0.05		4.9	SURCHARGED	

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STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for SLR-AB-18

Pipe Sizes STANDARD Manhole Sizes STANDARD

FEH Rainfall Model

Return Period (years)	5
FEH Rainfall Version	1999
Site Location GB 644450 263650 TM 44450 63650	
C (1km)	-0.020
D1 (1km)	0.301
D2 (1km)	0.277
D3 (1km)	0.231
E (1km)	0.311
F (1km)	2.506
Maximum Rainfall (mm/hr)	50
Maximum Time of Concentration (mins)	30
Foul Sewage (l/s/ha)	0.000
Volumetric Runoff Coeff.	0.750
PIMP (%)	100
Add Flow / Climate Change (%)	0
Minimum Backdrop Height (m)	0.200
Maximum Backdrop Height (m)	1.500
Min Design Depth for Optimisation (m)	1.200
Min Vel for Auto Design only (m/s)	1.00
Min Slope for Optimisation (1:X)	500

Designed with Level Soffits







Time Area Diagram for SLR-AB-18

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.256	4-8	0.863	8-12	0.427	12-16	0.020

Total Area Contributing (ha) = 1.567

Total Pipe Volume (m<sup>3</sup>) = 168.452

Network Design Table for SLR-AB-18

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S26.000	41.161	0.704	58.5	0.053	5.00	0.0	0.600	o	300	Pipe/Conduit	
S26.001	17.859	0.180	99.2	0.036	0.00	0.0	0.600	o	300	Pipe/Conduit	
S26.002	50.601	0.301	168.2	0.061	0.00	0.0	0.600	o	300	Pipe/Conduit	
S26.003	67.521	0.402	168.2	0.101	0.00	0.0	0.600	o	300	Pipe/Conduit	
S26.004	59.193	1.487	39.8	0.099	0.00	0.0	0.600	o	300	Pipe/Conduit	
S26.005	69.061	1.487	46.4	0.060	0.00	0.0	0.600	o	450	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S26.000	50.00	5.33	19.380	0.053	0.0	0.0	0.0	2.06	145.6	7.1
S26.001	50.00	5.52	18.676	0.089	0.0	0.0	0.0	1.58	111.6	12.0
S26.002	50.00	6.22	18.496	0.150	0.0	0.0	0.0	1.21	85.5	20.4
S26.003	50.00	7.15	18.195	0.252	0.0	0.0	0.0	1.21	85.5	34.1
S26.004	50.00	7.54	17.794	0.351	0.0	0.0	0.0	2.50	176.7	47.5
S26.005	50.00	7.93	16.157	0.411	0.0	0.0	0.0	2.99	475.4	55.7



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Network Design Table for SLR-AB-18

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S26.006	91.058	0.322	282.7	0.136	0.00	0.0	0.600	o	450	Pipe/Conduit	
S26.007	95.175	0.952	100.0	0.112	0.00	0.0	0.600	o	450	Pipe/Conduit	
S26.008	91.699	2.292	40.0	0.111	0.00	0.0	0.600	o	450	Pipe/Conduit	
S27.000	83.167	1.060	78.5	0.118	5.00	0.0	0.600	o	300	Pipe/Conduit	
S27.001	25.503	0.440	58.0	0.050	0.00	0.0	0.600	o	300	Pipe/Conduit	
S27.002	56.539	2.860	19.8	0.163	0.00	0.0	0.600	o	300	Pipe/Conduit	
S27.003	40.559	0.168	241.4	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit	
S27.004	28.284	0.281	100.6	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit	
S27.005	28.582	1.091	26.2	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit	
S27.006	98.913	0.409	241.8	0.171	0.00	0.0	0.600	o	450	Pipe/Conduit	
S27.007	99.754	0.310	321.4	0.128	0.00	0.0	0.600	o	450	Pipe/Conduit	
S27.008	61.205	0.190	321.4	0.073	0.00	0.0	0.600	o	450	Pipe/Conduit	
S27.009	23.808	0.074	321.4	0.018	0.00	0.0	0.600	o	450	Pipe/Conduit	
S27.010	6.771	0.021	321.4	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit	
S27.011	22.880	0.071	321.4	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit	
S27.012	54.464	1.804	30.2	0.077	0.00	0.0	0.600	o	450	Pipe/Conduit	
S27.013	42.737	0.611	70.0	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit	
S26.009	33.391	0.067	500.0	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
S26.010	5.662	0.009	665.2	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S26.006	50.00	9.19	14.670	0.547	0.0	0.0	0.0	1.20	191.5	74.1
S26.007	50.00	9.97	14.348	0.659	0.0	0.0	0.0	2.03	323.4	89.2
S26.008	50.00	10.44	13.396	0.770	0.0	0.0	0.0	3.22	512.5	104.3
S27.000	50.00	5.78	21.510	0.118	0.0	0.0	0.0	1.78	125.6	16.0
S27.001	50.00	5.99	20.450	0.168	0.0	0.0	0.0	2.07	146.3	22.8
S27.002	50.00	6.25	20.010	0.331	0.0	0.0	0.0	3.55	251.1	44.8
S27.003	50.00	6.83	17.075	0.331	0.0	0.0	0.0	1.16	128.3	44.8
S27.004	50.00	7.09	16.907	0.331	0.0	0.0	0.0	1.81	199.6	44.8
S27.005	50.00	7.23	16.626	0.331	0.0	0.0	0.0	3.55	392.4	44.8
S27.006	50.00	8.49	15.460	0.502	0.0	0.0	0.0	1.30	207.2	67.9
S27.007	50.00	9.97	15.051	0.629	0.0	0.0	0.0	1.13	179.5	85.2
S27.008	50.00	10.87	14.740	0.702	0.0	0.0	0.0	1.13	179.5	95.1
S27.009	50.00	11.22	14.550	0.720	0.0	0.0	0.0	1.13	179.5	97.5
S27.010	50.00	11.32	14.476	0.720	0.0	0.0	0.0	1.13	179.5	97.5
S27.011	50.00	11.66	14.455	0.720	0.0	0.0	0.0	1.13	179.5	97.5
S27.012	50.00	11.90	14.384	0.797	0.0	0.0	0.0	3.71	590.2	107.9
S27.013	50.00	12.20	12.580	0.797	0.0	0.0	0.0	2.43	386.9	107.9
S26.009	50.00	12.76	11.029	1.567	0.0	0.0	0.0	0.99	215.4	212.1
S26.010	50.00	12.86	10.887	1.567	0.0	0.0	0.0	0.94	264.8	212.1

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Manhole Schedules for SLR-AB-18

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S23	20.680	1.300	Open Manhole	1200	S26.000	19.380	300				
S24	21.240	2.564	Open Manhole	1200	S26.001	18.676	300	S26.000	18.676	300	
S25	21.680	3.184	Open Manhole	1200	S26.002	18.496	300	S26.001	18.496	300	
S26	22.120	3.925	Open Manhole	1200	S26.003	18.195	300	S26.002	18.195	300	
S27	20.280	2.486	Open Manhole	1200	S26.004	17.794	300	S26.003	17.794	300	
S6	17.520	1.363	Open Manhole	1350	S26.005	16.157	450	S26.004	16.307	300	
S28	16.120	1.450	Open Manhole	1350	S26.006	14.670	450	S26.005	14.670	450	
S29	17.490	3.142	Open Manhole	1350	S26.007	14.348	450	S26.006	14.348	450	
S30	18.000	4.604	Open Manhole	1350	S26.008	13.396	450	S26.007	13.396	450	
S10	22.860	1.350	Open Manhole	1200	S27.000	21.510	300				
S11	21.800	1.350	Open Manhole	1200	S27.001	20.450	300	S27.000	20.450	300	
S12	21.360	1.350	Open Manhole	1200	S27.002	20.010	300	S27.001	20.010	300	
S13	18.500	1.425	Open Manhole	1350	S27.003	17.075	375	S27.002	17.150	300	
S14	18.690	1.783	Open Manhole	1350	S27.004	16.907	375	S27.003	16.907	375	
S15	18.051	1.425	Open Manhole	1350	S27.005	16.626	375	S27.004	16.626	375	
S16	16.960	1.500	Open Manhole	1350	S27.006	15.460	450	S27.005	15.535	375	
S17	17.420	2.369	Open Manhole	1350	S27.007	15.051	450	S27.006	15.051	450	
S18	19.120	4.380	Open Manhole	1350	S27.008	14.740	450	S27.007	14.740	450	
S19	18.040	3.490	Open Manhole	1350	S27.009	14.550	450	S27.008	14.550	450	
S20	17.500	3.024	Open Manhole	1350	S27.010	14.476	450	S27.009	14.476	450	
S21	17.500	3.045	Open Manhole	1350	S27.011	14.455	450	S27.010	14.455	450	
S21	17.320	2.936	Open Manhole	1350	S27.012	14.384	450	S27.011	14.384	450	
S22	14.080	1.500	Open Manhole	1350	S27.013	12.580	450	S27.012	12.580	450	
S31	12.960	1.931	Open Manhole	1500	S26.009	11.029	525	S26.008	11.104	450	
								S27.013	11.969	450	866
S25	13.830	2.943	Open Manhole	1500	S26.010	10.887	600	S26.009	10.962	525	
S	14.000	3.122	Open Manhole	0		OUTFALL		S26.010	10.878	600	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S23	642277.307	266977.503	642277.307	266977.503	Required	
S24	642249.113	266947.514	642249.113	266947.514	Required	
S25	642232.869	266946.179	642232.869	266946.179	Required	
S26	642187.809	266969.203	642187.809	266969.203	Required	
S27	642131.430	267006.357	642131.430	267006.357	Required	
S6	642080.992	267037.339	642080.992	267037.339	Required	

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Manhole Schedules for SLR-AB-18

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S28	642020.935	267071.435	642020.935	267071.435	Required	
S29	641934.578	267100.316	641934.578	267100.316	Required	
S30	641847.693	267139.164	641847.693	267139.164	Required	
S10	642101.694	266889.133	642101.694	266889.133	Required	
S11	642161.140	266947.297	642161.140	266947.297	Required	
S12	642144.073	266963.071	642144.073	266963.071	Required	
S13	642091.522	266983.931	642091.522	266983.931	Required	
S14	642070.017	266949.542	642070.017	266949.542	Required	
S15	642050.017	266969.542	642050.017	266969.542	Required	
S16	642067.360	266992.262	642067.360	266992.262	Required	
S17	641979.052	267036.822	641979.052	267036.822	Required	
S18	641895.727	267091.664	641895.727	267091.664	Required	
S19	641840.854	267118.776	641840.854	267118.776	Required	
S20	641824.141	267101.821	641824.141	267101.821	Required	
S21	641817.535	267103.306	641817.535	267103.306	Required	
S21	641823.561	267125.378	641823.561	267125.378	Required	
S22	641771.949	267142.771	641771.949	267142.771	Required	
S31	641768.484	267185.367	641768.484	267185.367	Required	
S25	641779.011	267217.055	641779.011	267217.055	Required	
S	641776.478	267222.119			No Entry	

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PIPELINE SCHEDULES for SLR-AB-18

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S26.000	o	300	S23	20.680	19.380	1.000	Open Manhole	1200
S26.001	o	300	S24	21.240	18.676	2.264	Open Manhole	1200
S26.002	o	300	S25	21.680	18.496	2.884	Open Manhole	1200
S26.003	o	300	S26	22.120	18.195	3.625	Open Manhole	1200
S26.004	o	300	S27	20.280	17.794	2.186	Open Manhole	1200
S26.005	o	450	S6	17.520	16.157	0.913	Open Manhole	1350
S26.006	o	450	S28	16.120	14.670	1.000	Open Manhole	1350
S26.007	o	450	S29	17.490	14.348	2.692	Open Manhole	1350
S26.008	o	450	S30	18.000	13.396	4.154	Open Manhole	1350
S27.000	o	300	S10	22.860	21.510	1.050	Open Manhole	1200
S27.001	o	300	S11	21.800	20.450	1.050	Open Manhole	1200
S27.002	o	300	S12	21.360	20.010	1.050	Open Manhole	1200
S27.003	o	375	S13	18.500	17.075	1.050	Open Manhole	1350
S27.004	o	375	S14	18.690	16.907	1.408	Open Manhole	1350
S27.005	o	375	S15	18.051	16.626	1.050	Open Manhole	1350
S27.006	o	450	S16	16.960	15.460	1.050	Open Manhole	1350
S27.007	o	450	S17	17.420	15.051	1.919	Open Manhole	1350
S27.008	o	450	S18	19.120	14.740	3.930	Open Manhole	1350
S27.009	o	450	S19	18.040	14.550	3.040	Open Manhole	1350
S27.010	o	450	S20	17.500	14.476	2.574	Open Manhole	1350
S27.011	o	450	S21	17.500	14.455	2.595	Open Manhole	1350
S27.012	o	450	S21	17.320	14.384	2.486	Open Manhole	1350
S27.013	o	450	S22	14.080	12.580	1.050	Open Manhole	1350
S26.009	o	525	S31	12.960	11.029	1.406	Open Manhole	1500
S26.010	o	600	S25	13.830	10.887	2.343	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S26.000	41.161	58.5	S24	21.240	18.676	2.264	Open Manhole	1200
S26.001	17.859	99.2	S25	21.680	18.496	2.884	Open Manhole	1200
S26.002	50.601	168.2	S26	22.120	18.195	3.625	Open Manhole	1200
S26.003	67.521	168.2	S27	20.280	17.794	2.186	Open Manhole	1200
S26.004	59.193	39.8	S6	17.520	16.307	0.913	Open Manhole	1350
S26.005	69.061	46.4	S28	16.120	14.670	1.000	Open Manhole	1350
S26.006	91.058	282.7	S29	17.490	14.348	2.692	Open Manhole	1350
S26.007	95.175	100.0	S30	18.000	13.396	4.154	Open Manhole	1350
S26.008	91.699	40.0	S31	12.960	11.104	1.406	Open Manhole	1500
S27.000	83.167	78.5	S11	21.800	20.450	1.050	Open Manhole	1200
S27.001	25.503	58.0	S12	21.360	20.010	1.050	Open Manhole	1200
S27.002	56.539	19.8	S13	18.500	17.150	1.050	Open Manhole	1350
S27.003	40.559	241.4	S14	18.690	16.907	1.408	Open Manhole	1350
S27.004	28.284	100.6	S15	18.051	16.626	1.050	Open Manhole	1350
S27.005	28.582	26.2	S16	16.960	15.535	1.050	Open Manhole	1350
S27.006	98.913	241.8	S17	17.420	15.051	1.919	Open Manhole	1350
S27.007	99.754	321.4	S18	19.120	14.740	3.930	Open Manhole	1350
S27.008	61.205	321.4	S19	18.040	14.550	3.040	Open Manhole	1350
S27.009	23.808	321.4	S20	17.500	14.476	2.574	Open Manhole	1350
S27.010	6.771	321.4	S21	17.500	14.455	2.595	Open Manhole	1350
S27.011	22.880	321.4	S21	17.320	14.384	2.486	Open Manhole	1350
S27.012	54.464	30.2	S22	14.080	12.580	1.050	Open Manhole	1350
S27.013	42.737	70.0	S31	12.960	11.969	0.541	Open Manhole	1500
S26.009	33.391	500.0	S25	13.830	10.962	2.343	Open Manhole	1500
S26.010	5.662	665.2	S	14.000	10.878	2.522	Open Manhole	0

Sizewell Link Road

DCO Design Review

SLR-AB-18



Date 05/10/2021

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File SLR-AB-18 surcharged.MDX

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Area Summary for SLR-AB-18

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
26.000	User	-	100	0.028	0.028	0.028
	User	-	26	0.028	0.007	0.036
	User	-	50	0.034	0.017	0.053
26.001	User	-	100	0.033	0.033	0.033
	User	-	26	0.012	0.003	0.036
26.002	User	-	100	0.034	0.034	0.034
	User	-	26	0.032	0.008	0.042
	User	-	50	0.038	0.019	0.061
26.003	User	-	100	0.043	0.043	0.043
	User	-	26	0.057	0.015	0.058
	User	-	50	0.087	0.044	0.101
26.004	User	-	100	0.034	0.034	0.034
	User	-	26	0.108	0.028	0.062
	User	-	50	0.073	0.037	0.099
26.005	User	-	26	0.139	0.036	0.036
	User	-	50	0.048	0.024	0.060
26.006	User	-	100	0.047	0.047	0.047
	User	-	26	0.206	0.054	0.101
	User	-	50	0.071	0.036	0.136
26.007	User	-	100	0.045	0.045	0.045
	User	-	26	0.085	0.022	0.068
	User	-	50	0.088	0.044	0.112
26.008	User	-	100	0.038	0.038	0.038
	User	-	26	0.105	0.027	0.065
	User	-	50	0.091	0.046	0.111
27.000	User	-	100	0.035	0.035	0.035
	User	-	26	0.076	0.020	0.054
	User	-	100	0.064	0.064	0.118
27.001	User	-	100	0.042	0.042	0.042
	User	-	26	0.029	0.008	0.050
27.002	User	-	100	0.053	0.053	0.053
	User	-	26	0.126	0.033	0.086
	User	-	100	0.077	0.077	0.163
27.003	-	-	100	0.000	0.000	0.000
27.004	-	-	100	0.000	0.000	0.000
27.005	-	-	100	0.000	0.000	0.000
27.006	User	-	100	0.049	0.049	0.049
	User	-	50	0.137	0.069	0.118
	User	-	26	0.203	0.053	0.171
27.007	User	-	100	0.045	0.045	0.045
	User	-	26	0.140	0.036	0.082
	User	-	50	0.092	0.046	0.128
27.008	User	-	100	0.030	0.030	0.030
	User	-	26	0.073	0.019	0.049
	User	-	50	0.048	0.024	0.073
27.009	User	-	100	0.018	0.018	0.018
27.010	-	-	100	0.000	0.000	0.000
27.011	-	-	100	0.000	0.000	0.000
27.012	User	-	100	0.037	0.037	0.037
	User	-	26	0.069	0.018	0.055
	User	-	50	0.043	0.021	0.077
27.013	-	-	100	0.000	0.000	0.000
26.009	-	-	100	0.000	0.000	0.000
26.010	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				3.096	1.567	1.567

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Network Classifications for SLR-AB-18

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S26.000	S23	300	1.000	2.264	Unclassified	1200	0	1.000	Unclassified
S26.001	S24	300	2.264	2.884	Unclassified	1200	0	2.264	Unclassified
S26.002	S25	300	2.884	3.625	Unclassified	1200	0	2.884	Unclassified
S26.003	S26	300	2.186	3.625	Unclassified	1200	0	3.625	Unclassified
S26.004	S27	300	0.913	2.186	Unclassified	1200	0	2.186	Unclassified
S26.005	S6	450	0.913	1.000	Unclassified	1350	0	0.913	Unclassified
S26.006	S28	450	1.000	2.692	Unclassified	1350	0	1.000	Unclassified
S26.007	S29	450	2.692	4.154	Unclassified	1350	0	2.692	Unclassified
S26.008	S30	450	1.406	4.154	Unclassified	1350	0	4.154	Unclassified
S27.000	S10	300	1.050	1.050	Unclassified	1200	0	1.050	Unclassified
S27.001	S11	300	1.050	1.050	Unclassified	1200	0	1.050	Unclassified
S27.002	S12	300	1.050	1.050	Unclassified	1200	0	1.050	Unclassified
S27.003	S13	375	1.050	1.408	Unclassified	1350	0	1.050	Unclassified
S27.004	S14	375	1.050	1.408	Unclassified	1350	0	1.408	Unclassified
S27.005	S15	375	1.050	1.050	Unclassified	1350	0	1.050	Unclassified
S27.006	S16	450	1.050	1.919	Unclassified	1350	0	1.050	Unclassified
S27.007	S17	450	1.919	3.930	Unclassified	1350	0	1.919	Unclassified
S27.008	S18	450	3.040	3.930	Unclassified	1350	0	3.930	Unclassified
S27.009	S19	450	2.574	3.040	Unclassified	1350	0	3.040	Unclassified
S27.010	S20	450	2.574	2.595	Unclassified	1350	0	2.574	Unclassified
S27.011	S21	450	2.486	2.595	Unclassified	1350	0	2.595	Unclassified
S27.012	S21	450	1.050	2.486	Unclassified	1350	0	2.486	Unclassified
S27.013	S22	450	0.541	1.050	Unclassified	1350	0	1.050	Unclassified
S26.009	S31	525	1.406	2.343	Unclassified	1500	0	1.406	Unclassified
S26.010	S25	600	2.343	2.522	Unclassified	1500	0	2.343	Unclassified

Surcharged Outfall Details for SLR-AB-18

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
S26.010	S	14.000	10.878	0.000	0	0

Datum (m) 0.000 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1	11.680	21	11.680	41	11.680	61	11.680	81	11.680	101	11.680	121	11.680
2	11.680	22	11.680	42	11.680	62	11.680	82	11.680	102	11.680	122	11.680
3	11.680	23	11.680	43	11.680	63	11.680	83	11.680	103	11.680	123	11.680
4	11.680	24	11.680	44	11.680	64	11.680	84	11.680	104	11.680	124	11.680
5	11.680	25	11.680	45	11.680	65	11.680	85	11.680	105	11.680	125	11.680
6	11.680	26	11.680	46	11.680	66	11.680	86	11.680	106	11.680	126	11.680
7	11.680	27	11.680	47	11.680	67	11.680	87	11.680	107	11.680	127	11.680
8	11.680	28	11.680	48	11.680	68	11.680	88	11.680	108	11.680	128	11.680
9	11.680	29	11.680	49	11.680	69	11.680	89	11.680	109	11.680	129	11.680
10	11.680	30	11.680	50	11.680	70	11.680	90	11.680	110	11.680	130	11.680
11	11.680	31	11.680	51	11.680	71	11.680	91	11.680	111	11.680	131	11.680
12	11.680	32	11.680	52	11.680	72	11.680	92	11.680	112	11.680	132	11.680
13	11.680	33	11.680	53	11.680	73	11.680	93	11.680	113	11.680	133	11.680
14	11.680	34	11.680	54	11.680	74	11.680	94	11.680	114	11.680	134	11.680
15	11.680	35	11.680	55	11.680	75	11.680	95	11.680	115	11.680	135	11.680
16	11.680	36	11.680	56	11.680	76	11.680	96	11.680	116	11.680	136	11.680
17	11.680	37	11.680	57	11.680	77	11.680	97	11.680	117	11.680	137	11.680
18	11.680	38	11.680	58	11.680	78	11.680	98	11.680	118	11.680	138	11.680
19	11.680	39	11.680	59	11.680	79	11.680	99	11.680	119	11.680	139	11.680
20	11.680	40	11.680	60	11.680	80	11.680	100	11.680	120	11.680	140	11.680

Sizewell Link Road  
DCO Design Review  
SLR-AB-18



Date 05/10/2021

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Surcharged Outfall Details for SLR-AB-18

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
161	11.680	223	11.680	285	11.680	347	11.680	409	11.680	471	11.680	533	11.680
162	11.680	224	11.680	286	11.680	348	11.680	410	11.680	472	11.680	534	11.680
163	11.680	225	11.680	287	11.680	349	11.680	411	11.680	473	11.680	535	11.680
164	11.680	226	11.680	288	11.680	350	11.680	412	11.680	474	11.680	536	11.680
165	11.680	227	11.680	289	11.680	351	11.680	413	11.680	475	11.680	537	11.680
166	11.680	228	11.680	290	11.680	352	11.680	414	11.680	476	11.680	538	11.680
167	11.680	229	11.680	291	11.680	353	11.680	415	11.680	477	11.680	539	11.680
168	11.680	230	11.680	292	11.680	354	11.680	416	11.680	478	11.680	540	11.680
169	11.680	231	11.680	293	11.680	355	11.680	417	11.680	479	11.680	541	11.680
170	11.680	232	11.680	294	11.680	356	11.680	418	11.680	480	11.680	542	11.680
171	11.680	233	11.680	295	11.680	357	11.680	419	11.680	481	11.680	543	11.680
172	11.680	234	11.680	296	11.680	358	11.680	420	11.680	482	11.680	544	11.680
173	11.680	235	11.680	297	11.680	359	11.680	421	11.680	483	11.680	545	11.680
174	11.680	236	11.680	298	11.680	360	11.680	422	11.680	484	11.680	546	11.680
175	11.680	237	11.680	299	11.680	361	11.680	423	11.680	485	11.680	547	11.680
176	11.680	238	11.680	300	11.680	362	11.680	424	11.680	486	11.680	548	11.680
177	11.680	239	11.680	301	11.680	363	11.680	425	11.680	487	11.680	549	11.680
178	11.680	240	11.680	302	11.680	364	11.680	426	11.680	488	11.680	550	11.680
179	11.680	241	11.680	303	11.680	365	11.680	427	11.680	489	11.680	551	11.680
180	11.680	242	11.680	304	11.680	366	11.680	428	11.680	490	11.680	552	11.680
181	11.680	243	11.680	305	11.680	367	11.680	429	11.680	491	11.680	553	11.680
182	11.680	244	11.680	306	11.680	368	11.680	430	11.680	492	11.680	554	11.680
183	11.680	245	11.680	307	11.680	369	11.680	431	11.680	493	11.680	555	11.680
184	11.680	246	11.680	308	11.680	370	11.680	432	11.680	494	11.680	556	11.680
185	11.680	247	11.680	309	11.680	371	11.680	433	11.680	495	11.680	557	11.680
186	11.680	248	11.680	310	11.680	372	11.680	434	11.680	496	11.680	558	11.680
187	11.680	249	11.680	311	11.680	373	11.680	435	11.680	497	11.680	559	11.680
188	11.680	250	11.680	312	11.680	374	11.680	436	11.680	498	11.680	560	11.680
189	11.680	251	11.680	313	11.680	375	11.680	437	11.680	499	11.680	561	11.680
190	11.680	252	11.680	314	11.680	376	11.680	438	11.680	500	11.680	562	11.680
191	11.680	253	11.680	315	11.680	377	11.680	439	11.680	501	11.680	563	11.680
192	11.680	254	11.680	316	11.680	378	11.680	440	11.680	502	11.680	564	11.680
193	11.680	255	11.680	317	11.680	379	11.680	441	11.680	503	11.680	565	11.680
194	11.680	256	11.680	318	11.680	380	11.680	442	11.680	504	11.680	566	11.680
195	11.680	257	11.680	319	11.680	381	11.680	443	11.680	505	11.680	567	11.680
196	11.680	258	11.680	320	11.680	382	11.680	444	11.680	506	11.680	568	11.680
197	11.680	259	11.680	321	11.680	383	11.680	445	11.680	507	11.680	569	11.680
198	11.680	260	11.680	322	11.680	384	11.680	446	11.680	508	11.680	570	11.680
199	11.680	261	11.680	323	11.680	385	11.680	447	11.680	509	11.680	571	11.680
200	11.680	262	11.680	324	11.680	386	11.680	448	11.680	510	11.680	572	11.680
201	11.680	263	11.680	325	11.680	387	11.680	449	11.680	511	11.680	573	11.680
202	11.680	264	11.680	326	11.680	388	11.680	450	11.680	512	11.680	574	11.680
203	11.680	265	11.680	327	11.680	389	11.680	451	11.680	513	11.680	575	11.680
204	11.680	266	11.680	328	11.680	390	11.680	452	11.680	514	11.680	576	11.680
205	11.680	267	11.680	329	11.680	391	11.680	453	11.680	515	11.680	577	11.680
206	11.680	268	11.680	330	11.680	392	11.680	454	11.680	516	11.680	578	11.680
207	11.680	269	11.680	331	11.680	393	11.680	455	11.680	517	11.680	579	11.680
208	11.680	270	11.680	332	11.680	394	11.680	456	11.680	518	11.680	580	11.680
209	11.680	271	11.680	333	11.680	395	11.680	457	11.680	519	11.680	581	11.680
210	11.680	272	11.680	334	11.680	396	11.680	458	11.680	520	11.680	582	11.680
211	11.680	273	11.680	335	11.680	397	11.680	459	11.680	521	11.680	583	11.680
212	11.680	274	11.680	336	11.680	398	11.680	460	11.680	522	11.680	584	11.680
213	11.680	275	11.680	337	11.680	399	11.680	461	11.680	523	11.680	585	11.680
214	11.680	276	11.680	338	11.680	400	11.680	462	11.680	524	11.680	586	11.680
215	11.680	277	11.680	339	11.680	401	11.680	463	11.680	525	11.680	587	11.680
216	11.680	278	11.680	340	11.680	402	11.680	464	11.680	526	11.680	588	11.680
217	11.680	279	11.680	341	11.680	403	11.680	465	11.680	527	11.680	589	11.680
218	11.680	280	11.680	342	11.680	404	11.680	466	11.680	528	11.680	590	11.680
219	11.680	281	11.680	343	11.680	405	11.680	467	11.680	529	11.680	591	11.680
220	11.680	282	11.680	344	11.680	406	11.680	468	11.680	530	11.680	592	11.680
221	11.680	283	11.680	345	11.680	407	11.680	469	11.680	531	11.680	593	11.680
222	11.680	284	11.680	346	11.680	408	11.680	470	11.680	532	11.680	594	11.680



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Surcharged Outfall Details for SLR-AB-18

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
657	11.680	719	11.680	781	11.680	843	11.680	905	11.680	967	11.680	1029	11.680
658	11.680	720	11.680	782	11.680	844	11.680	906	11.680	968	11.680	1030	11.680
659	11.680	721	11.680	783	11.680	845	11.680	907	11.680	969	11.680	1031	11.680
660	11.680	722	11.680	784	11.680	846	11.680	908	11.680	970	11.680	1032	11.680
661	11.680	723	11.680	785	11.680	847	11.680	909	11.680	971	11.680	1033	11.680
662	11.680	724	11.680	786	11.680	848	11.680	910	11.680	972	11.680	1034	11.680
663	11.680	725	11.680	787	11.680	849	11.680	911	11.680	973	11.680	1035	11.680
664	11.680	726	11.680	788	11.680	850	11.680	912	11.680	974	11.680	1036	11.680
665	11.680	727	11.680	789	11.680	851	11.680	913	11.680	975	11.680	1037	11.680
666	11.680	728	11.680	790	11.680	852	11.680	914	11.680	976	11.680	1038	11.680
667	11.680	729	11.680	791	11.680	853	11.680	915	11.680	977	11.680	1039	11.680
668	11.680	730	11.680	792	11.680	854	11.680	916	11.680	978	11.680	1040	11.680
669	11.680	731	11.680	793	11.680	855	11.680	917	11.680	979	11.680	1041	11.680
670	11.680	732	11.680	794	11.680	856	11.680	918	11.680	980	11.680	1042	11.680
671	11.680	733	11.680	795	11.680	857	11.680	919	11.680	981	11.680	1043	11.680
672	11.680	734	11.680	796	11.680	858	11.680	920	11.680	982	11.680	1044	11.680
673	11.680	735	11.680	797	11.680	859	11.680	921	11.680	983	11.680	1045	11.680
674	11.680	736	11.680	798	11.680	860	11.680	922	11.680	984	11.680	1046	11.680
675	11.680	737	11.680	799	11.680	861	11.680	923	11.680	985	11.680	1047	11.680
676	11.680	738	11.680	800	11.680	862	11.680	924	11.680	986	11.680	1048	11.680
677	11.680	739	11.680	801	11.680	863	11.680	925	11.680	987	11.680	1049	11.680
678	11.680	740	11.680	802	11.680	864	11.680	926	11.680	988	11.680	1050	11.680
679	11.680	741	11.680	803	11.680	865	11.680	927	11.680	989	11.680	1051	11.680
680	11.680	742	11.680	804	11.680	866	11.680	928	11.680	990	11.680	1052	11.680
681	11.680	743	11.680	805	11.680	867	11.680	929	11.680	991	11.680	1053	11.680
682	11.680	744	11.680	806	11.680	868	11.680	930	11.680	992	11.680	1054	11.680
683	11.680	745	11.680	807	11.680	869	11.680	931	11.680	993	11.680	1055	11.680
684	11.680	746	11.680	808	11.680	870	11.680	932	11.680	994	11.680	1056	11.680
685	11.680	747	11.680	809	11.680	871	11.680	933	11.680	995	11.680	1057	11.680
686	11.680	748	11.680	810	11.680	872	11.680	934	11.680	996	11.680	1058	11.680
687	11.680	749	11.680	811	11.680	873	11.680	935	11.680	997	11.680	1059	11.680
688	11.680	750	11.680	812	11.680	874	11.680	936	11.680	998	11.680	1060	11.680
689	11.680	751	11.680	813	11.680	875	11.680	937	11.680	999	11.680	1061	11.680
690	11.680	752	11.680	814	11.680	876	11.680	938	11.680	1000	11.680	1062	11.680
691	11.680	753	11.680	815	11.680	877	11.680	939	11.680	1001	11.680	1063	11.680
692	11.680	754	11.680	816	11.680	878	11.680	940	11.680	1002	11.680	1064	11.680
693	11.680	755	11.680	817	11.680	879	11.680	941	11.680	1003	11.680	1065	11.680
694	11.680	756	11.680	818	11.680	880	11.680	942	11.680	1004	11.680	1066	11.680
695	11.680	757	11.680	819	11.680	881	11.680	943	11.680	1005	11.680	1067	11.680
696	11.680	758	11.680	820	11.680	882	11.680	944	11.680	1006	11.680	1068	11.680
697	11.680	759	11.680	821	11.680	883	11.680	945	11.680	1007	11.680	1069	11.680
698	11.680	760	11.680	822	11.680	884	11.680	946	11.680	1008	11.680	1070	11.680
699	11.680	761	11.680	823	11.680	885	11.680	947	11.680	1009	11.680	1071	11.680
700	11.680	762	11.680	824	11.680	886	11.680	948	11.680	1010	11.680	1072	11.680
701	11.680	763	11.680	825	11.680	887	11.680	949	11.680	1011	11.680	1073	11.680
702	11.680	764	11.680	826	11.680	888	11.680	950	11.680	1012	11.680	1074	11.680
703	11.680	765	11.680	827	11.680	889	11.680	951	11.680	1013	11.680	1075	11.680
704	11.680	766	11.680	828	11.680	890	11.680	952	11.680	1014	11.680	1076	11.680
705	11.680	767	11.680	829	11.680	891	11.680	953	11.680	1015	11.680	1077	11.680
706	11.680	768	11.680	830	11.680	892	11.680	954	11.680	1016	11.680	1078	11.680
707	11.680	769	11.680	831	11.680	893	11.680	955	11.680	1017	11.680	1079	11.680
708	11.680	770	11.680	832	11.680	894	11.680	956	11.680	1018	11.680	1080	11.680
709	11.680	771	11.680	833	11.680	895	11.680	957	11.680	1019	11.680	1081	11.680
710	11.680	772	11.680	834	11.680	896	11.680	958	11.680	1020	11.680	1082	11.680
711	11.680	773	11.680	835	11.680	897	11.680	959	11.680	1021	11.680	1083	11.680
712	11.680	774	11.680	836	11.680	898	11.680	960	11.680	1022	11.680	1084	11.680
713	11.680	775	11.680	837	11.680	899	11.680	961	11.680	1023	11.680	1085	11.680
714	11.680	776	11.680	838	11.680	900	11.680	962	11.680	1024	11.680	1086	11.680
715	11.680	777	11.680	839	11.680	901	11.680	963	11.680	1025	11.680	1087	11.680
716	11.680	778	11.680	840	11.680	902	11.680	964	11.680	1026	11.680	1088	11.680
717	11.680	779	11.680	841	11.680	903	11.680	965	11.680	1027	11.680	1089	11.680
718	11.680	780	11.680	842	11.680	904	11.680	966	11.680	1028	11.680	1090	11.680

Sizewell Link Road  
DCO Design Review  
SLR-AB-18



Date 05/10/2021

Designed by Daniel James

File SLR-AB-18 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-18

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1153	11.680	1215	11.680	1277	11.680	1339	11.680	1401	11.680	1463	11.680	1525	11.680
1154	11.680	1216	11.680	1278	11.680	1340	11.680	1402	11.680	1464	11.680	1526	11.680
1155	11.680	1217	11.680	1279	11.680	1341	11.680	1403	11.680	1465	11.680	1527	11.680
1156	11.680	1218	11.680	1280	11.680	1342	11.680	1404	11.680	1466	11.680	1528	11.680
1157	11.680	1219	11.680	1281	11.680	1343	11.680	1405	11.680	1467	11.680	1529	11.680
1158	11.680	1220	11.680	1282	11.680	1344	11.680	1406	11.680	1468	11.680	1530	11.680
1159	11.680	1221	11.680	1283	11.680	1345	11.680	1407	11.680	1469	11.680	1531	11.680
1160	11.680	1222	11.680	1284	11.680	1346	11.680	1408	11.680	1470	11.680	1532	11.680
1161	11.680	1223	11.680	1285	11.680	1347	11.680	1409	11.680	1471	11.680	1533	11.680
1162	11.680	1224	11.680	1286	11.680	1348	11.680	1410	11.680	1472	11.680	1534	11.680
1163	11.680	1225	11.680	1287	11.680	1349	11.680	1411	11.680	1473	11.680	1535	11.680
1164	11.680	1226	11.680	1288	11.680	1350	11.680	1412	11.680	1474	11.680	1536	11.680
1165	11.680	1227	11.680	1289	11.680	1351	11.680	1413	11.680	1475	11.680	1537	11.680
1166	11.680	1228	11.680	1290	11.680	1352	11.680	1414	11.680	1476	11.680	1538	11.680
1167	11.680	1229	11.680	1291	11.680	1353	11.680	1415	11.680	1477	11.680	1539	11.680
1168	11.680	1230	11.680	1292	11.680	1354	11.680	1416	11.680	1478	11.680	1540	11.680
1169	11.680	1231	11.680	1293	11.680	1355	11.680	1417	11.680	1479	11.680	1541	11.680
1170	11.680	1232	11.680	1294	11.680	1356	11.680	1418	11.680	1480	11.680	1542	11.680
1171	11.680	1233	11.680	1295	11.680	1357	11.680	1419	11.680	1481	11.680	1543	11.680
1172	11.680	1234	11.680	1296	11.680	1358	11.680	1420	11.680	1482	11.680	1544	11.680
1173	11.680	1235	11.680	1297	11.680	1359	11.680	1421	11.680	1483	11.680	1545	11.680
1174	11.680	1236	11.680	1298	11.680	1360	11.680	1422	11.680	1484	11.680	1546	11.680
1175	11.680	1237	11.680	1299	11.680	1361	11.680	1423	11.680	1485	11.680	1547	11.680
1176	11.680	1238	11.680	1300	11.680	1362	11.680	1424	11.680	1486	11.680	1548	11.680
1177	11.680	1239	11.680	1301	11.680	1363	11.680	1425	11.680	1487	11.680	1549	11.680
1178	11.680	1240	11.680	1302	11.680	1364	11.680	1426	11.680	1488	11.680	1550	11.680
1179	11.680	1241	11.680	1303	11.680	1365	11.680	1427	11.680	1489	11.680	1551	11.680
1180	11.680	1242	11.680	1304	11.680	1366	11.680	1428	11.680	1490	11.680	1552	11.680
1181	11.680	1243	11.680	1305	11.680	1367	11.680	1429	11.680	1491	11.680	1553	11.680
1182	11.680	1244	11.680	1306	11.680	1368	11.680	1430	11.680	1492	11.680	1554	11.680
1183	11.680	1245	11.680	1307	11.680	1369	11.680	1431	11.680	1493	11.680	1555	11.680
1184	11.680	1246	11.680	1308	11.680	1370	11.680	1432	11.680	1494	11.680	1556	11.680
1185	11.680	1247	11.680	1309	11.680	1371	11.680	1433	11.680	1495	11.680	1557	11.680
1186	11.680	1248	11.680	1310	11.680	1372	11.680	1434	11.680	1496	11.680	1558	11.680
1187	11.680	1249	11.680	1311	11.680	1373	11.680	1435	11.680	1497	11.680	1559	11.680
1188	11.680	1250	11.680	1312	11.680	1374	11.680	1436	11.680	1498	11.680	1560	11.680
1189	11.680	1251	11.680	1313	11.680	1375	11.680	1437	11.680	1499	11.680	1561	11.680
1190	11.680	1252	11.680	1314	11.680	1376	11.680	1438	11.680	1500	11.680	1562	11.680
1191	11.680	1253	11.680	1315	11.680	1377	11.680	1439	11.680	1501	11.680	1563	11.680
1192	11.680	1254	11.680	1316	11.680	1378	11.680	1440	11.680	1502	11.680	1564	11.680
1193	11.680	1255	11.680	1317	11.680	1379	11.680	1441	11.680	1503	11.680	1565	11.680
1194	11.680	1256	11.680	1318	11.680	1380	11.680	1442	11.680	1504	11.680	1566	11.680
1195	11.680	1257	11.680	1319	11.680	1381	11.680	1443	11.680	1505	11.680	1567	11.680
1196	11.680	1258	11.680	1320	11.680	1382	11.680	1444	11.680	1506	11.680	1568	11.680
1197	11.680	1259	11.680	1321	11.680	1383	11.680	1445	11.680	1507	11.680	1569	11.680
1198	11.680	1260	11.680	1322	11.680	1384	11.680	1446	11.680	1508	11.680	1570	11.680
1199	11.680	1261	11.680	1323	11.680	1385	11.680	1447	11.680	1509	11.680	1571	11.680
1200	11.680	1262	11.680	1324	11.680	1386	11.680	1448	11.680	1510	11.680	1572	11.680
1201	11.680	1263	11.680	1325	11.680	1387	11.680	1449	11.680	1511	11.680	1573	11.680
1202	11.680	1264	11.680	1326	11.680	1388	11.680	1450	11.680	1512	11.680	1574	11.680
1203	11.680	1265	11.680	1327	11.680	1389	11.680	1451	11.680	1513	11.680	1575	11.680
1204	11.680	1266	11.680	1328	11.680	1390	11.680	1452	11.680	1514	11.680	1576	11.680
1205	11.680	1267	11.680	1329	11.680	1391	11.680	1453	11.680	1515	11.680	1577	11.680
1206	11.680	1268	11.680	1330	11.680	1392	11.680	1454	11.680	1516	11.680	1578	11.680
1207	11.680	1269	11.680	1331	11.680	1393	11.680	1455	11.680	1517	11.680	1579	11.680
1208	11.680	1270	11.680	1332	11.680	1394	11.680	1456	11.680	1518	11.680	1580	11.680
1209	11.680	1271	11.680	1333	11.680	1395	11.680	1457	11.680	1519	11.680	1581	11.680
1210	11.680	1272	11.680	1334	11.680	1396	11.680	1458	11.680	1520	11.680	1582	11.680
1211	11.680	1273	11.680	1335	11.680	1397	11.680	1459	11.680	1521	11.680	1583	11.680
1212	11.680	1274	11.680	1336	11.680	1398	11.680	1460	11.680	1522	11.680	1584	11.680
1213	11.680	1275	11.680	1337	11.680	1399	11.680	1461	11.680	1523	11.680	1585	11.680
1214	11.680	1276	11.680	1338	11.680	1400	11.680	1462	11.680	1524	11.680	1586	11.680

Sizewell Link Road  
DCO Design Review  
SLR-AB-18



Date 05/10/2021

Designed by Daniel James

File SLR-AB-18 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-18

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1649	11.680	1711	11.680	1773	11.680	1835	11.680	1897	11.680	1959	11.680	2021	11.680
1650	11.680	1712	11.680	1774	11.680	1836	11.680	1898	11.680	1960	11.680	2022	11.680
1651	11.680	1713	11.680	1775	11.680	1837	11.680	1899	11.680	1961	11.680	2023	11.680
1652	11.680	1714	11.680	1776	11.680	1838	11.680	1900	11.680	1962	11.680	2024	11.680
1653	11.680	1715	11.680	1777	11.680	1839	11.680	1901	11.680	1963	11.680	2025	11.680
1654	11.680	1716	11.680	1778	11.680	1840	11.680	1902	11.680	1964	11.680	2026	11.680
1655	11.680	1717	11.680	1779	11.680	1841	11.680	1903	11.680	1965	11.680	2027	11.680
1656	11.680	1718	11.680	1780	11.680	1842	11.680	1904	11.680	1966	11.680	2028	11.680
1657	11.680	1719	11.680	1781	11.680	1843	11.680	1905	11.680	1967	11.680	2029	11.680
1658	11.680	1720	11.680	1782	11.680	1844	11.680	1906	11.680	1968	11.680	2030	11.680
1659	11.680	1721	11.680	1783	11.680	1845	11.680	1907	11.680	1969	11.680	2031	11.680
1660	11.680	1722	11.680	1784	11.680	1846	11.680	1908	11.680	1970	11.680	2032	11.680
1661	11.680	1723	11.680	1785	11.680	1847	11.680	1909	11.680	1971	11.680	2033	11.680
1662	11.680	1724	11.680	1786	11.680	1848	11.680	1910	11.680	1972	11.680	2034	11.680
1663	11.680	1725	11.680	1787	11.680	1849	11.680	1911	11.680	1973	11.680	2035	11.680
1664	11.680	1726	11.680	1788	11.680	1850	11.680	1912	11.680	1974	11.680	2036	11.680
1665	11.680	1727	11.680	1789	11.680	1851	11.680	1913	11.680	1975	11.680	2037	11.680
1666	11.680	1728	11.680	1790	11.680	1852	11.680	1914	11.680	1976	11.680	2038	11.680
1667	11.680	1729	11.680	1791	11.680	1853	11.680	1915	11.680	1977	11.680	2039	11.680
1668	11.680	1730	11.680	1792	11.680	1854	11.680	1916	11.680	1978	11.680	2040	11.680
1669	11.680	1731	11.680	1793	11.680	1855	11.680	1917	11.680	1979	11.680	2041	11.680
1670	11.680	1732	11.680	1794	11.680	1856	11.680	1918	11.680	1980	11.680	2042	11.680
1671	11.680	1733	11.680	1795	11.680	1857	11.680	1919	11.680	1981	11.680	2043	11.680
1672	11.680	1734	11.680	1796	11.680	1858	11.680	1920	11.680	1982	11.680	2044	11.680
1673	11.680	1735	11.680	1797	11.680	1859	11.680	1921	11.680	1983	11.680	2045	11.680
1674	11.680	1736	11.680	1798	11.680	1860	11.680	1922	11.680	1984	11.680	2046	11.680
1675	11.680	1737	11.680	1799	11.680	1861	11.680	1923	11.680	1985	11.680	2047	11.680
1676	11.680	1738	11.680	1800	11.680	1862	11.680	1924	11.680	1986	11.680	2048	11.680
1677	11.680	1739	11.680	1801	11.680	1863	11.680	1925	11.680	1987	11.680	2049	11.680
1678	11.680	1740	11.680	1802	11.680	1864	11.680	1926	11.680	1988	11.680	2050	11.680
1679	11.680	1741	11.680	1803	11.680	1865	11.680	1927	11.680	1989	11.680	2051	11.680
1680	11.680	1742	11.680	1804	11.680	1866	11.680	1928	11.680	1990	11.680	2052	11.680
1681	11.680	1743	11.680	1805	11.680	1867	11.680	1929	11.680	1991	11.680	2053	11.680
1682	11.680	1744	11.680	1806	11.680	1868	11.680	1930	11.680	1992	11.680	2054	11.680
1683	11.680	1745	11.680	1807	11.680	1869	11.680	1931	11.680	1993	11.680	2055	11.680
1684	11.680	1746	11.680	1808	11.680	1870	11.680	1932	11.680	1994	11.680	2056	11.680
1685	11.680	1747	11.680	1809	11.680	1871	11.680	1933	11.680	1995	11.680	2057	11.680
1686	11.680	1748	11.680	1810	11.680	1872	11.680	1934	11.680	1996	11.680	2058	11.680
1687	11.680	1749	11.680	1811	11.680	1873	11.680	1935	11.680	1997	11.680	2059	11.680
1688	11.680	1750	11.680	1812	11.680	1874	11.680	1936	11.680	1998	11.680	2060	11.680
1689	11.680	1751	11.680	1813	11.680	1875	11.680	1937	11.680	1999	11.680	2061	11.680
1690	11.680	1752	11.680	1814	11.680	1876	11.680	1938	11.680	2000	11.680	2062	11.680
1691	11.680	1753	11.680	1815	11.680	1877	11.680	1939	11.680	2001	11.680	2063	11.680
1692	11.680	1754	11.680	1816	11.680	1878	11.680	1940	11.680	2002	11.680	2064	11.680
1693	11.680	1755	11.680	1817	11.680	1879	11.680	1941	11.680	2003	11.680	2065	11.680
1694	11.680	1756	11.680	1818	11.680	1880	11.680	1942	11.680	2004	11.680	2066	11.680
1695	11.680	1757	11.680	1819	11.680	1881	11.680	1943	11.680	2005	11.680	2067	11.680
1696	11.680	1758	11.680	1820	11.680	1882	11.680	1944	11.680	2006	11.680	2068	11.680
1697	11.680	1759	11.680	1821	11.680	1883	11.680	1945	11.680	2007	11.680	2069	11.680
1698	11.680	1760	11.680	1822	11.680	1884	11.680	1946	11.680	2008	11.680	2070	11.680
1699	11.680	1761	11.680	1823	11.680	1885	11.680	1947	11.680	2009	11.680	2071	11.680
1700	11.680	1762	11.680	1824	11.680	1886	11.680	1948	11.680	2010	11.680	2072	11.680
1701	11.680	1763	11.680	1825	11.680	1887	11.680	1949	11.680	2011	11.680	2073	11.680
1702	11.680	1764	11.680	1826	11.680	1888	11.680	1950	11.680	2012	11.680	2074	11.680
1703	11.680	1765	11.680	1827	11.680	1889	11.680	1951	11.680	2013	11.680	2075	11.680
1704	11.680	1766	11.680	1828	11.680	1890	11.680	1952	11.680	2014	11.680	2076	11.680
1705	11.680	1767	11.680	1829	11.680	1891	11.680	1953	11.680	2015	11.680	2077	11.680
1706	11.680	1768	11.680	1830	11.680	1892	11.680	1954	11.680	2016	11.680	2078	11.680
1707	11.680	1769	11.680	1831	11.680	1893	11.680	1955	11.680	2017	11.680	2079	11.680
1708	11.680	1770	11.680	1832	11.680	1894	11.680	1956	11.680	2018	11.680	2080	11.680
1709	11.680	1771	11.680	1833	11.680	1895	11.680	1957	11.680	2019	11.680	2081	11.680
1710	11.680	1772	11.680	1834	11.680	1896	11.680	1958	11.680	2020	11.680	2082	11.680







































Sizewell Link Road  
DCO Design Review  
SLR-AB-18



Date 05/10/2021

Designed by Daniel James

File SLR-AB-18 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-18

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9585	11.680	9647	11.680	9709	11.680	9771	11.680	9833	11.680	9895	11.680	9957	11.680	10019	11.680
9586	11.680	9648	11.680	9710	11.680	9772	11.680	9834	11.680	9896	11.680	9958	11.680	10020	11.680
9587	11.680	9649	11.680	9711	11.680	9773	11.680	9835	11.680	9897	11.680	9959	11.680	10021	11.680
9588	11.680	9650	11.680	9712	11.680	9774	11.680	9836	11.680	9898	11.680	9960	11.680	10022	11.680
9589	11.680	9651	11.680	9713	11.680	9775	11.680	9837	11.680	9899	11.680	9961	11.680	10023	11.680
9590	11.680	9652	11.680	9714	11.680	9776	11.680	9838	11.680	9900	11.680	9962	11.680	10024	11.680
9591	11.680	9653	11.680	9715	11.680	9777	11.680	9839	11.680	9901	11.680	9963	11.680	10025	11.680
9592	11.680	9654	11.680	9716	11.680	9778	11.680	9840	11.680	9902	11.680	9964	11.680	10026	11.680
9593	11.680	9655	11.680	9717	11.680	9779	11.680	9841	11.680	9903	11.680	9965	11.680	10027	11.680
9594	11.680	9656	11.680	9718	11.680	9780	11.680	9842	11.680	9904	11.680	9966	11.680	10028	11.680
9595	11.680	9657	11.680	9719	11.680	9781	11.680	9843	11.680	9905	11.680	9967	11.680	10029	11.680
9596	11.680	9658	11.680	9720	11.680	9782	11.680	9844	11.680	9906	11.680	9968	11.680	10030	11.680
9597	11.680	9659	11.680	9721	11.680	9783	11.680	9845	11.680	9907	11.680	9969	11.680	10031	11.680
9598	11.680	9660	11.680	9722	11.680	9784	11.680	9846	11.680	9908	11.680	9970	11.680	10032	11.680
9599	11.680	9661	11.680	9723	11.680	9785	11.680	9847	11.680	9909	11.680	9971	11.680	10033	11.680
9600	11.680	9662	11.680	9724	11.680	9786	11.680	9848	11.680	9910	11.680	9972	11.680	10034	11.680
9601	11.680	9663	11.680	9725	11.680	9787	11.680	9849	11.680	9911	11.680	9973	11.680	10035	11.680
9602	11.680	9664	11.680	9726	11.680	9788	11.680	9850	11.680	9912	11.680	9974	11.680	10036	11.680
9603	11.680	9665	11.680	9727	11.680	9789	11.680	9851	11.680	9913	11.680	9975	11.680	10037	11.680
9604	11.680	9666	11.680	9728	11.680	9790	11.680	9852	11.680	9914	11.680	9976	11.680	10038	11.680
9605	11.680	9667	11.680	9729	11.680	9791	11.680	9853	11.680	9915	11.680	9977	11.680	10039	11.680
9606	11.680	9668	11.680	9730	11.680	9792	11.680	9854	11.680	9916	11.680	9978	11.680	10040	11.680
9607	11.680	9669	11.680	9731	11.680	9793	11.680	9855	11.680	9917	11.680	9979	11.680	10041	11.680
9608	11.680	9670	11.680	9732	11.680	9794	11.680	9856	11.680	9918	11.680	9980	11.680	10042	11.680
9609	11.680	9671	11.680	9733	11.680	9795	11.680	9857	11.680	9919	11.680	9981	11.680	10043	11.680
9610	11.680	9672	11.680	9734	11.680	9796	11.680	9858	11.680	9920	11.680	9982	11.680	10044	11.680
9611	11.680	9673	11.680	9735	11.680	9797	11.680	9859	11.680	9921	11.680	9983	11.680	10045	11.680
9612	11.680	9674	11.680	9736	11.680	9798	11.680	9860	11.680	9922	11.680	9984	11.680	10046	11.680
9613	11.680	9675	11.680	9737	11.680	9799	11.680	9861	11.680	9923	11.680	9985	11.680	10047	11.680
9614	11.680	9676	11.680	9738	11.680	9800	11.680	9862	11.680	9924	11.680	9986	11.680	10048	11.680
9615	11.680	9677	11.680	9739	11.680	9801	11.680	9863	11.680	9925	11.680	9987	11.680	10049	11.680
9616	11.680	9678	11.680	9740	11.680	9802	11.680	9864	11.680	9926	11.680	9988	11.680	10050	11.680
9617	11.680	9679	11.680	9741	11.680	9803	11.680	9865	11.680	9927	11.680	9989	11.680	10051	11.680
9618	11.680	9680	11.680	9742	11.680	9804	11.680	9866	11.680	9928	11.680	9990	11.680	10052	11.680
9619	11.680	9681	11.680	9743	11.680	9805	11.680	9867	11.680	9929	11.680	9991	11.680	10053	11.680
9620	11.680	9682	11.680	9744	11.680	9806	11.680	9868	11.680	9930	11.680	9992	11.680	10054	11.680
9621	11.680	9683	11.680	9745	11.680	9807	11.680	9869	11.680	9931	11.680	9993	11.680	10055	11.680
9622	11.680	9684	11.680	9746	11.680	9808	11.680	9870	11.680	9932	11.680	9994	11.680	10056	11.680
9623	11.680	9685	11.680	9747	11.680	9809	11.680	9871	11.680	9933	11.680	9995	11.680	10057	11.680
9624	11.680	9686	11.680	9748	11.680	9810	11.680	9872	11.680	9934	11.680	9996	11.680	10058	11.680
9625	11.680	9687	11.680	9749	11.680	9811	11.680	9873	11.680	9935	11.680	9997	11.680	10059	11.680
9626	11.680	9688	11.680	9750	11.680	9812	11.680	9874	11.680	9936	11.680	9998	11.680	10060	11.680
9627	11.680	9689	11.680	9751	11.680	9813	11.680	9875	11.680	9937	11.680	9999	11.680	10061	11.680
9628	11.680	9690	11.680	9752	11.680	9814	11.680	9876	11.680	9938	11.680	10000	11.680	10062	11.680
9629	11.680	9691	11.680	9753	11.680	9815	11.680	9877	11.680	9939	11.680	10001	11.680	10063	11.680
9630	11.680	9692	11.680	9754	11.680	9816	11.680	9878	11.680	9940	11.680	10002	11.680	10064	11.680
9631	11.680	9693	11.680	9755	11.680	9817	11.680	9879	11.680	9941	11.680	10003	11.680	10065	11.680
9632	11.680	9694	11.680	9756	11.680	9818	11.680	9880	11.680	9942	11.680	10004	11.680	10066	11.680
9633	11.680	9695	11.680	9757	11.680	9819	11.680	9881	11.680	9943	11.680	10005	11.680	10067	11.680
9634	11.680	9696	11.680	9758	11.680	9820	11.680	9882	11.680	9944	11.680	10006	11.680	10068	11.680
9635	11.680	9697	11.680	9759	11.680	9821	11.680	9883	11.680	9945	11.680	10007	11.680	10069	11.680
9636	11.680	9698	11.680	9760	11.680	9822	11.680	9884	11.680	9946	11.680	10008	11.680	10070	11.680
9637	11.680	9699	11.680	9761	11.680	9823	11.680	9885	11.680	9947	11.680	10009	11.680	10071	11.680
9638	11.680	9700	11.680	9762	11.680	9824	11.680	9886	11.680	9948	11.680	10010	11.680	10072	11.680
9639	11.680	9701	11.680	9763	11.680	9825	11.680	9887	11.680	9949	11.680	10011	11.680	10073	11.680
9640	11.680	9702	11.680	9764	11.680	9826	11.680	9888	11.680	9950	11.680	10012	11.680	10074	11.680
9641	11.680	9703	11.680	9765	11.680	9827	11.680	9889	11.680	9951	11.680	10013	11.680	10075	11.680
9642	11.680	9704	11.680	9766	11.680	9828	11.680	9890	11.680	9952	11.680	10014	11.680	10076	11.680
9643	11.680	9705	11.680	9767	11.680	9829	11.680	9891	11.680	9953	11.680	10015	11.680	10077	11.680
9644	11.680	9706	11.680	9768	11.680	9830	11.680	9892	11.680	9954	11.680	10016	11.680	10078	11.680
9645	11.680	9707	11.680	9769	11.680	9831	11.680	9893	11.680	9955	11.680	10017	11.680	10079	11.680
9646	11.680	9708	11.680	9770	11.680	9832	11.680	9894	11.680	9956	11.680	10018	11.680	10080	11.680

Sizewell Link Road  
DCO Design Review  
SLR-AB-18



Date 05/10/2021

Designed by Daniel James

File SLR-AB-18 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-18

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
10081	11.680	10143	11.680	10205	11.680	10267	11.680	10329	11.680	10391	11.680	10453	11.680
10082	11.680	10144	11.680	10206	11.680	10268	11.680	10330	11.680	10392	11.680	10454	11.680
10083	11.680	10145	11.680	10207	11.680	10269	11.680	10331	11.680	10393	11.680	10455	11.680
10084	11.680	10146	11.680	10208	11.680	10270	11.680	10332	11.680	10394	11.680	10456	11.680
10085	11.680	10147	11.680	10209	11.680	10271	11.680	10333	11.680	10395	11.680	10457	11.680
10086	11.680	10148	11.680	10210	11.680	10272	11.680	10334	11.680	10396	11.680	10458	11.680
10087	11.680	10149	11.680	10211	11.680	10273	11.680	10335	11.680	10397	11.680	10459	11.680
10088	11.680	10150	11.680	10212	11.680	10274	11.680	10336	11.680	10398	11.680	10460	11.680
10089	11.680	10151	11.680	10213	11.680	10275	11.680	10337	11.680	10399	11.680	10461	11.680
10090	11.680	10152	11.680	10214	11.680	10276	11.680	10338	11.680	10400	11.680	10462	11.680
10091	11.680	10153	11.680	10215	11.680	10277	11.680	10339	11.680	10401	11.680	10463	11.680
10092	11.680	10154	11.680	10216	11.680	10278	11.680	10340	11.680	10402	11.680	10464	11.680
10093	11.680	10155	11.680	10217	11.680	10279	11.680	10341	11.680	10403	11.680	10465	11.680
10094	11.680	10156	11.680	10218	11.680	10280	11.680	10342	11.680	10404	11.680	10466	11.680
10095	11.680	10157	11.680	10219	11.680	10281	11.680	10343	11.680	10405	11.680	10467	11.680
10096	11.680	10158	11.680	10220	11.680	10282	11.680	10344	11.680	10406	11.680	10468	11.680
10097	11.680	10159	11.680	10221	11.680	10283	11.680	10345	11.680	10407	11.680	10469	11.680
10098	11.680	10160	11.680	10222	11.680	10284	11.680	10346	11.680	10408	11.680	10470	11.680
10099	11.680	10161	11.680	10223	11.680	10285	11.680	10347	11.680	10409	11.680	10471	11.680
10100	11.680	10162	11.680	10224	11.680	10286	11.680	10348	11.680	10410	11.680	10472	11.680
10101	11.680	10163	11.680	10225	11.680	10287	11.680	10349	11.680	10411	11.680	10473	11.680
10102	11.680	10164	11.680	10226	11.680	10288	11.680	10350	11.680	10412	11.680	10474	11.680
10103	11.680	10165	11.680	10227	11.680	10289	11.680	10351	11.680	10413	11.680	10475	11.680
10104	11.680	10166	11.680	10228	11.680	10290	11.680	10352	11.680	10414	11.680	10476	11.680
10105	11.680	10167	11.680	10229	11.680	10291	11.680	10353	11.680	10415	11.680	10477	11.680
10106	11.680	10168	11.680	10230	11.680	10292	11.680	10354	11.680	10416	11.680	10478	11.680
10107	11.680	10169	11.680	10231	11.680	10293	11.680	10355	11.680	10417	11.680	10479	11.680
10108	11.680	10170	11.680	10232	11.680	10294	11.680	10356	11.680	10418	11.680	10480	11.680
10109	11.680	10171	11.680	10233	11.680	10295	11.680	10357	11.680	10419	11.680	10481	11.680
10110	11.680	10172	11.680	10234	11.680	10296	11.680	10358	11.680	10420	11.680	10482	11.680
10111	11.680	10173	11.680	10235	11.680	10297	11.680	10359	11.680	10421	11.680	10483	11.680
10112	11.680	10174	11.680	10236	11.680	10298	11.680	10360	11.680	10422	11.680	10484	11.680
10113	11.680	10175	11.680	10237	11.680	10299	11.680	10361	11.680	10423	11.680	10485	11.680
10114	11.680	10176	11.680	10238	11.680	10300	11.680	10362	11.680	10424	11.680	10486	11.680
10115	11.680	10177	11.680	10239	11.680	10301	11.680	10363	11.680	10425	11.680	10487	11.680
10116	11.680	10178	11.680	10240	11.680	10302	11.680	10364	11.680	10426	11.680	10488	11.680
10117	11.680	10179	11.680	10241	11.680	10303	11.680	10365	11.680	10427	11.680	10489	11.680
10118	11.680	10180	11.680	10242	11.680	10304	11.680	10366	11.680	10428	11.680	10490	11.680
10119	11.680	10181	11.680	10243	11.680	10305	11.680	10367	11.680	10429	11.680	10491	11.680
10120	11.680	10182	11.680	10244	11.680	10306	11.680	10368	11.680	10430	11.680	10492	11.680
10121	11.680	10183	11.680	10245	11.680	10307	11.680	10369	11.680	10431	11.680	10493	11.680
10122	11.680	10184	11.680	10246	11.680	10308	11.680	10370	11.680	10432	11.680	10494	11.680
10123	11.680	10185	11.680	10247	11.680	10309	11.680	10371	11.680	10433	11.680	10495	11.680
10124	11.680	10186	11.680	10248	11.680	10310	11.680	10372	11.680	10434	11.680	10496	11.680
10125	11.680	10187	11.680	10249	11.680	10311	11.680	10373	11.680	10435	11.680	10497	11.680
10126	11.680	10188	11.680	10250	11.680	10312	11.680	10374	11.680	10436	11.680	10498	11.680
10127	11.680	10189	11.680	10251	11.680	10313	11.680	10375	11.680	10437	11.680	10499	11.680
10128	11.680	10190	11.680	10252	11.680	10314	11.680	10376	11.680	10438	11.680	10500	11.680
10129	11.680	10191	11.680	10253	11.680	10315	11.680	10377	11.680	10439	11.680	10501	11.680
10130	11.680	10192	11.680	10254	11.680	10316	11.680	10378	11.680	10440	11.680	10502	11.680
10131	11.680	10193	11.680	10255	11.680	10317	11.680	10379	11.680	10441	11.680	10503	11.680
10132	11.680	10194	11.680	10256	11.680	10318	11.680	10380	11.680	10442	11.680	10504	11.680
10133	11.680	10195	11.680	10257	11.680	10319	11.680	10381	11.680	10443	11.680	10505	11.680
10134	11.680	10196	11.680	10258	11.680	10320	11.680	10382	11.680	10444	11.680	10506	11.680
10135	11.680	10197	11.680	10259	11.680	10321	11.680	10383	11.680	10445	11.680	10507	11.680
10136	11.680	10198	11.680	10260	11.680	10322	11.680	10384	11.680	10446	11.680	10508	11.680
10137	11.680	10199	11.680	10261	11.680	10323	11.680	10385	11.680	10447	11.680	10509	11.680
10138	11.680	10200	11.680	10262	11.680	10324	11.680	10386	11.680	10448	11.680	10510	11.680
10139	11.680	10201	11.680	10263	11.680	10325	11.680	10387	11.680	10449	11.680	10511	11.680
10140	11.680	10202	11.680	10264	11.680	10326	11.680	10388	11.680	10450	11.680	10512	11.680
10141	11.680	10203	11.680	10265	11.680	10327	11.680	10389	11.680	10451	11.680	10513	11.680
10142	11.680	10204	11.680	10266	11.680	10328	11.680	10390	11.680	10452	11.680	10514	11.680



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Surcharged Outfall Details for SLR-AB-18

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
10577	11.680	10605	11.680	10633	11.680	10661	11.680	10689	11.680	10717	11.680	10745	11.680
10578	11.680	10606	11.680	10634	11.680	10662	11.680	10690	11.680	10718	11.680	10746	11.680
10579	11.680	10607	11.680	10635	11.680	10663	11.680	10691	11.680	10719	11.680	10747	11.680
10580	11.680	10608	11.680	10636	11.680	10664	11.680	10692	11.680	10720	11.680	10748	11.680
10581	11.680	10609	11.680	10637	11.680	10665	11.680	10693	11.680	10721	11.680	10749	11.680
10582	11.680	10610	11.680	10638	11.680	10666	11.680	10694	11.680	10722	11.680	10750	11.680
10583	11.680	10611	11.680	10639	11.680	10667	11.680	10695	11.680	10723	11.680	10751	11.680
10584	11.680	10612	11.680	10640	11.680	10668	11.680	10696	11.680	10724	11.680	10752	11.680
10585	11.680	10613	11.680	10641	11.680	10669	11.680	10697	11.680	10725	11.680	10753	11.680
10586	11.680	10614	11.680	10642	11.680	10670	11.680	10698	11.680	10726	11.680	10754	11.680
10587	11.680	10615	11.680	10643	11.680	10671	11.680	10699	11.680	10727	11.680	10755	11.680
10588	11.680	10616	11.680	10644	11.680	10672	11.680	10700	11.680	10728	11.680	10756	11.680
10589	11.680	10617	11.680	10645	11.680	10673	11.680	10701	11.680	10729	11.680	10757	11.680
10590	11.680	10618	11.680	10646	11.680	10674	11.680	10702	11.680	10730	11.680	10758	11.680
10591	11.680	10619	11.680	10647	11.680	10675	11.680	10703	11.680	10731	11.680	10759	11.680
10592	11.680	10620	11.680	10648	11.680	10676	11.680	10704	11.680	10732	11.680	10760	11.680
10593	11.680	10621	11.680	10649	11.680	10677	11.680	10705	11.680	10733	11.680	10761	11.680
10594	11.680	10622	11.680	10650	11.680	10678	11.680	10706	11.680	10734	11.680	10762	11.680
10595	11.680	10623	11.680	10651	11.680	10679	11.680	10707	11.680	10735	11.680	10763	11.680
10596	11.680	10624	11.680	10652	11.680	10680	11.680	10708	11.680	10736	11.680	10764	11.680
10597	11.680	10625	11.680	10653	11.680	10681	11.680	10709	11.680	10737	11.680	10765	11.680
10598	11.680	10626	11.680	10654	11.680	10682	11.680	10710	11.680	10738	11.680	10766	11.680
10599	11.680	10627	11.680	10655	11.680	10683	11.680	10711	11.680	10739	11.680	10767	11.680
10600	11.680	10628	11.680	10656	11.680	10684	11.680	10712	11.680	10740	11.680	10768	11.680
10601	11.680	10629	11.680	10657	11.680	10685	11.680	10713	11.680	10741	11.680	10769	11.680
10602	11.680	10630	11.680	10658	11.680	10686	11.680	10714	11.680	10742	11.680	10770	11.680
10603	11.680	10631	11.680	10659	11.680	10687	11.680	10715	11.680	10743	11.680	10771	11.680
10604	11.680	10632	11.680	10660	11.680	10688	11.680	10716	11.680	10744	11.680	10772	11.680

Simulation Criteria for SLR-AB-18

Volumetric Runoff Coeff 0.750      Additional Flow - % of Total Flow 0.000  
 Areal Reduction Factor 1.000      MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start (mins) 0      Inlet Coefficient 0.800  
 Hot Start Level (mm) 0      Flow per Person per Day (l/per/day) 0.000  
 Manhole Headloss Coeff (Global) 0.500      Run Time (mins) 60  
 Foul Sewage per hectare (l/s) 0.000      Output Interval (mins) 1

Number of Input Hydrographs 0      Number of Offline Controls 0      Number of Time/Area Diagrams 0  
 Number of Online Controls 3      Number of Storage Structures 3      Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model      FEH      Summer Storms      Yes  
 Return Period (years)      2      Winter Storms      No  
 FEH Rainfall Version      2013      Cv (Summer)      0.750  
 Site Location GB 640286 267538 TM 40286 67538      Cv (Winter)      0.840  
 Data Type      Point Storm Duration (mins)      30



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Online Controls for SLR-AB-18

Hydro-Brake® Optimum Manhole: S15, DS/PN: S27.005, Volume (m³): 5.0

Unit Reference MD-SHE-0101-5000-1300-5000  
Design Head (m) 1.300  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 101  
Invert Level (m) 16.626  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.300	5.0	Kick-Flo®	0.798	4.0
Flush-Flo™	0.384	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.4	0.800	4.0	2.000	6.1	4.000	8.5	7.000	11.0
0.200	4.7	1.000	4.4	2.200	6.4	4.500	9.0	7.500	11.4
0.300	4.9	1.200	4.8	2.400	6.7	5.000	9.4	8.000	11.8
0.400	5.0	1.400	5.2	2.600	6.9	5.500	9.8	8.500	12.1
0.500	4.9	1.600	5.5	3.000	7.4	6.000	10.3	9.000	12.5
0.600	4.8	1.800	5.8	3.500	7.9	6.500	10.7	9.500	12.8

Hydro-Brake® Optimum Manhole: S21, DS/PN: S27.011, Volume (m³): 5.2

Unit Reference MD-SHE-0097-5000-1600-5000  
Design Head (m) 1.600  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 97  
Invert Level (m) 14.455  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.600	5.0	Kick-Flo®	0.865	3.8
Flush-Flo™	0.425	4.7	Mean Flow over Head Range	-	4.2

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.1	0.800	4.1	2.000	5.5	4.000	7.7	7.000	10.0
0.200	4.3	1.000	4.0	2.200	5.8	4.500	8.1	7.500	10.3
0.300	4.6	1.200	4.4	2.400	6.0	5.000	8.5	8.000	10.7
0.400	4.7	1.400	4.7	2.600	6.3	5.500	8.9	8.500	11.0
0.500	4.7	1.600	5.0	3.000	6.7	6.000	9.3	9.000	11.3
0.600	4.6	1.800	5.3	3.500	7.2	6.500	9.7	9.500	11.6

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Hydro-Brake® Optimum Manhole: S31, DS/PN: S26.009, Volume (m³): 24.3

Unit Reference	MD-SHE-0098-5000-1500-5000
Design Head (m)	1.500
Design Flow (l/s)	5.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	98
Invert Level (m)	11.029
Minimum Outlet Pipe Diameter (mm)	150
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.500	5.0	Kick-Flo®	0.878	3.9
Flush-Flo™	0.431	4.9	Mean Flow over Head Range	-	4.3

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.2	0.800	4.3	2.000	5.7	4.000	7.9	7.000	10.3
0.200	4.4	1.000	4.1	2.200	6.0	4.500	8.4	7.500	10.7
0.300	4.8	1.200	4.5	2.400	6.2	5.000	8.8	8.000	11.0
0.400	4.9	1.400	4.8	2.600	6.5	5.500	9.2	8.500	11.3
0.500	4.9	1.600	5.1	3.000	6.9	6.000	9.6	9.000	11.6
0.600	4.8	1.800	5.4	3.500	7.4	6.500	10.0	9.500	11.9

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Storage Structures for SLR-AB-18

Tank or Pond Manhole: S15, DS/PN: S27.005

Invert Level (m) 16.626

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	400.0	1.500	1500.0

Tank or Pond Manhole: S21, DS/PN: S27.011

Invert Level (m) 14.455

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	700.0	1.200	1200.0

Tank or Pond Manhole: S31, DS/PN: S26.009

Invert Level (m) 11.029

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	1.200	1200.0

Manhole Headloss for SLR-AB-18

PN	US/MH Name	US/MH Headloss
S26.000	S23	0.500
S26.001	S24	0.500
S26.002	S25	0.500
S26.003	S26	0.500
S26.004	S27	0.500
S26.005	S6	0.500
S26.006	S28	0.500
S26.007	S29	0.500
S26.008	S30	0.500
S27.000	S10	0.500
S27.001	S11	0.500
S27.002	S12	0.500
S27.003	S13	0.500
S27.004	S14	0.500
S27.005	S15	0.500
S27.006	S16	0.500
S27.007	S17	0.500
S27.008	S18	0.500
S27.009	S19	0.500
S27.010	S20	0.500
S27.011	S21	0.500
S27.012	S21	0.500
S27.013	S22	0.500
S26.009	S31	0.500
S26.010	S25	0.500

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-18

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 3 Number of Storage Structures 3 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S26.000	S23	15 Winter	2	+0%					19.428	-0.252	0.000	0.06
S26.001	S24	15 Winter	2	+0%	100/15 Summer				18.749	-0.227	0.000	0.13
S26.002	S25	15 Winter	2	+0%	100/15 Summer				18.599	-0.197	0.000	0.25
S26.003	S26	15 Winter	2	+0%	100/15 Summer				18.328	-0.167	0.000	0.39
S26.004	S27	15 Winter	2	+0%					17.897	-0.196	0.000	0.26
S26.005	S6	15 Winter	2	+0%					16.258	-0.349	0.000	0.11
S26.006	S28	15 Winter	2	+0%	100/15 Summer				14.857	-0.262	0.000	0.35
S26.007	S29	15 Winter	2	+0%					14.497	-0.300	0.000	0.24
S26.008	S30	15 Winter	2	+0%					13.521	-0.325	0.000	0.17
S27.000	S10	15 Winter	2	+0%					21.588	-0.222	0.000	0.15
S27.001	S11	15 Winter	2	+0%					20.537	-0.213	0.000	0.18
S27.002	S12	15 Winter	2	+0%					20.098	-0.212	0.000	0.19
S27.003	S13	15 Winter	2	+0%	100/15 Summer				17.236	-0.214	0.000	0.38
S27.004	S14	15 Winter	2	+0%	100/15 Summer				17.034	-0.248	0.000	0.25
S27.005	S15	360 Winter	2	+0%	100/240 Winter				16.734	-0.267	0.000	0.01
S27.006	S16	15 Winter	2	+0%					15.561	-0.349	0.000	0.11
S27.007	S17	15 Winter	2	+0%					15.192	-0.308	0.000	0.20
S27.008	S18	15 Winter	2	+0%	100/15 Winter				14.893	-0.298	0.000	0.25
S27.009	S19	15 Winter	2	+0%	100/15 Summer				14.725	-0.275	0.000	0.28
S27.010	S20	15 Winter	2	+0%	100/15 Winter				14.668	-0.258	0.000	0.38
S27.011	S21	720 Winter	2	+0%	100/480 Winter				14.587	-0.318	0.000	0.03
S27.012	S21	15 Winter	2	+0%					14.424	-0.410	0.000	0.02
S27.013	S22	15 Winter	2	+0%					12.630	-0.400	0.000	0.03
S26.009	S31	5760 Winter	2	+0%	2/480 Winter				11.761	0.207	0.000	0.03
S26.010	S25	4320 Winter	2	+0%	2/360 Winter				11.680	0.193	0.000	0.01

		Pipe		Level	
PN	US/MH Name	Overflow (l/s)	Flow (l/s)	Status	Exceeded
S26.000	S23		8.0	OK	
S26.001	S24		12.7	OK	
S26.002	S25		20.3	OK	

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-18

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S26.003	S26		32.0	OK	
S26.004	S27		43.5	OK	
S26.005	S6		50.1	OK	
S26.006	S28		63.0	OK	
S26.007	S29		73.2	OK	
S26.008	S30		83.3	OK	
S27.000	S10		17.7	OK	
S27.001	S11		24.1	OK	
S27.002	S12		45.0	OK	
S27.003	S13		44.1	OK	
S27.004	S14		44.2	OK	
S27.005	S15		3.6	OK	
S27.006	S16		21.1	OK	
S27.007	S17		34.3	OK	
S27.008	S18		40.8	OK	
S27.009	S19		41.3	OK	
S27.010	S20		41.0	OK	
S27.011	S21		3.8	OK	
S27.012	S21		10.0	OK	
S27.013	S22		10.0	OK	
S26.009	S31		4.9	SURCHARGED	
S26.010	S25		1.8	SURCHARGED	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-18

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 3 Number of Storage Structures 3 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S26.000	S23	15 Winter	5	+0%					19.437	-0.243	0.000	0.08
S26.001	S24	15 Winter	5	+0%	100/15 Summer				18.762	-0.214	0.000	0.18
S26.002	S25	15 Winter	5	+0%	100/15 Summer				18.618	-0.178	0.000	0.34
S26.003	S26	15 Winter	5	+0%	100/15 Summer				18.354	-0.141	0.000	0.53
S26.004	S27	15 Winter	5	+0%					17.916	-0.177	0.000	0.35
S26.005	S6	15 Winter	5	+0%					16.274	-0.333	0.000	0.15
S26.006	S28	15 Winter	5	+0%	100/15 Summer				14.893	-0.227	0.000	0.47
S26.007	S29	15 Winter	5	+0%					14.524	-0.273	0.000	0.32
S26.008	S30	15 Winter	5	+0%					13.543	-0.303	0.000	0.23
S27.000	S10	15 Winter	5	+0%					21.602	-0.208	0.000	0.20
S27.001	S11	15 Winter	5	+0%					20.552	-0.198	0.000	0.25
S27.002	S12	15 Winter	5	+0%					20.113	-0.197	0.000	0.26
S27.003	S13	15 Winter	5	+0%	100/15 Summer				17.267	-0.183	0.000	0.51
S27.004	S14	15 Winter	5	+0%	100/15 Summer				17.058	-0.224	0.000	0.34
S27.005	S15	240 Winter	5	+0%	100/240 Winter				16.758	-0.242	0.000	0.01
S27.006	S16	15 Winter	5	+0%					15.578	-0.332	0.000	0.14
S27.007	S17	15 Winter	5	+0%					15.217	-0.284	0.000	0.27
S27.008	S18	15 Winter	5	+0%	100/15 Winter				14.921	-0.270	0.000	0.33
S27.009	S19	15 Winter	5	+0%	100/15 Summer				14.760	-0.240	0.000	0.37
S27.010	S20	15 Winter	5	+0%	100/15 Winter				14.705	-0.221	0.000	0.51
S27.011	S21	600 Winter	5	+0%	100/480 Winter				14.623	-0.282	0.000	0.03
S27.012	S21	15 Winter	5	+0%					14.431	-0.402	0.000	0.02
S27.013	S22	15 Winter	5	+0%					12.637	-0.393	0.000	0.04
S26.009	S31	5760 Winter	5	+0%	2/480 Winter				11.803	0.249	0.000	0.03
S26.010	S25	5760 Winter	5	+0%	2/360 Winter				11.680	0.194	0.000	0.05

		Pipe		Level	
PN	US/MH Name	Overflow (l/s)	Flow (l/s)	Status	Exceeded
S26.000	S23		10.8	OK	
S26.001	S24		17.1	OK	
S26.002	S25		27.4	OK	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-18

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S26.003	S26		43.2	OK	
S26.004	S27		58.7	OK	
S26.005	S6		67.6	OK	
S26.006	S28		84.9	OK	
S26.007	S29		98.7	OK	
S26.008	S30		112.3	OK	
S27.000	S10		23.9	OK	
S27.001	S11		32.6	OK	
S27.002	S12		60.7	OK	
S27.003	S13		59.5	OK	
S27.004	S14		59.7	OK	
S27.005	S15		4.2	OK	
S27.006	S16		28.5	OK	
S27.007	S17		46.4	OK	
S27.008	S18		55.1	OK	
S27.009	S19		55.7	OK	
S27.010	S20		55.4	OK	
S27.011	S21		4.1	OK	
S27.012	S21		13.4	OK	
S27.013	S22		13.5	OK	
S26.009	S31		4.9	SURCHARGED	
S26.010	S25		10.3	SURCHARGED	



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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-18

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 3 Number of Storage Structures 3 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S26.000	S23	15 Winter	30	+0%					19.453	-0.227	0.000	0.13
S26.001	S24	15 Winter	30	+0%	100/15 Summer				18.794	-0.182	0.000	0.32
S26.002	S25	15 Winter	30	+0%	100/15 Summer				18.676	-0.120	0.000	0.64
S26.003	S26	15 Winter	30	+0%	100/15 Summer				18.468	-0.027	0.000	0.98
S26.004	S27	15 Winter	30	+0%					17.973	-0.121	0.000	0.65
S26.005	S6	15 Winter	30	+0%					16.323	-0.284	0.000	0.29
S26.006	S28	15 Winter	30	+0%	100/15 Summer				15.015	-0.105	0.000	0.88
S26.007	S29	15 Winter	30	+0%					14.602	-0.195	0.000	0.59
S26.008	S30	15 Winter	30	+0%					13.601	-0.245	0.000	0.42
S27.000	S10	15 Winter	30	+0%					21.630	-0.180	0.000	0.33
S27.001	S11	15 Winter	30	+0%					20.590	-0.160	0.000	0.43
S27.002	S12	15 Winter	30	+0%					20.158	-0.152	0.000	0.48
S27.003	S13	15 Winter	30	+0%	100/15 Summer				17.373	-0.077	0.000	0.96
S27.004	S14	15 Winter	30	+0%	100/15 Summer				17.124	-0.158	0.000	0.63
S27.005	S15	360 Winter	30	+0%	100/240 Winter				16.834	-0.166	0.000	0.01
S27.006	S16	15 Winter	30	+0%					15.635	-0.275	0.000	0.30
S27.007	S17	15 Winter	30	+0%					15.301	-0.200	0.000	0.54
S27.008	S18	15 Winter	30	+0%	100/15 Winter				15.005	-0.186	0.000	0.63
S27.009	S19	15 Winter	30	+0%	100/15 Summer				14.868	-0.132	0.000	0.68
S27.010	S20	15 Winter	30	+0%	100/15 Winter				14.818	-0.108	0.000	0.93
S27.011	S21	960 Winter	30	+0%	100/480 Winter				14.737	-0.168	0.000	0.03
S27.012	S21	15 Winter	30	+0%					14.449	-0.384	0.000	0.05
S27.013	S22	15 Winter	30	+0%					12.665	-0.365	0.000	0.08
S26.009	S31	4320 Winter	30	+0%	2/480 Winter				11.958	0.405	0.000	0.03
S26.010	S25	5760 Winter	30	+0%	2/360 Winter				11.680	0.194	0.000	0.05

		Pipe		Level	
PN	US/MH Name	Overflow (l/s)	Flow (l/s)	Status	Exceeded
S26.000	S23		17.9	OK	
S26.001	S24		30.8	OK	
S26.002	S25		51.5	OK	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-18

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S26.003	S26		80.5	OK	
S26.004	S27		109.8	OK	
S26.005	S6		127.8	OK	
S26.006	S28		159.7	OK	
S26.007	S29		181.5	OK	
S26.008	S30		202.8	OK	
S27.000	S10		39.5	OK	
S27.001	S11		56.0	OK	
S27.002	S12		113.2	OK	
S27.003	S13		111.8	OK	
S27.004	S14		109.5	OK	
S27.005	S15		4.7	OK	
S27.006	S16		58.3	OK	
S27.007	S17		91.5	OK	
S27.008	S18		104.3	OK	
S27.009	S19		100.8	OK	
S27.010	S20		100.4	OK	
S27.011	S21		4.6	OK	
S27.012	S21		28.2	OK	
S27.013	S22		28.1	OK	
S26.009	S31		4.7	SURCHARGED	
S26.010	S25		10.3	SURCHARGED	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-18

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 3 Number of Storage Structures 3 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S26.000	S23	15 Winter	100	+40%					19.488	-0.192	0.000	0.24
S26.001	S24	15 Winter	100	+40%	100/15 Summer				19.446	0.470	0.000	0.52
S26.002	S25	15 Winter	100	+40%	100/15 Summer				19.344	0.548	0.000	0.94
S26.003	S26	15 Winter	100	+40%	100/15 Summer				19.060	0.565	0.000	1.49
S26.004	S27	15 Winter	100	+40%					18.077	-0.016	0.000	1.00
S26.005	S6	15 Winter	100	+40%					16.371	-0.235	0.000	0.45
S26.006	S28	15 Winter	100	+40%	100/15 Summer				15.509	0.389	0.000	1.41
S26.007	S29	15 Winter	100	+40%					14.704	-0.094	0.000	0.96
S26.008	S30	15 Winter	100	+40%					13.674	-0.172	0.000	0.68
S27.000	S10	15 Winter	100	+40%					21.679	-0.131	0.000	0.58
S27.001	S11	15 Winter	100	+40%					20.653	-0.097	0.000	0.77
S27.002	S12	15 Winter	100	+40%					20.228	-0.082	0.000	0.85
S27.003	S13	15 Winter	100	+40%	100/15 Summer				17.785	0.335	0.000	1.71
S27.004	S14	15 Winter	100	+40%	100/15 Summer				17.327	0.045	0.000	1.10
S27.005	S15	600 Winter	100	+40%	100/240 Winter				17.041	0.040	0.000	0.01
S27.006	S16	15 Winter	100	+40%					15.706	-0.203	0.000	0.53
S27.007	S17	15 Winter	100	+40%					15.435	-0.066	0.000	0.92
S27.008	S18	15 Winter	100	+40%	100/15 Winter				15.206	0.016	0.000	0.97
S27.009	S19	1440 Winter	100	+40%	100/15 Summer				15.044	0.044	0.000	0.12
S27.010	S20	1440 Winter	100	+40%	100/15 Winter				15.042	0.116	0.000	0.17
S27.011	S21	1440 Winter	100	+40%	100/480 Winter				15.041	0.136	0.000	0.03
S27.012	S21	15 Winter	100	+40%					14.476	-0.358	0.000	0.09
S27.013	S22	15 Winter	100	+40%					12.694	-0.336	0.000	0.14
S26.009	S31	4320 Winter	100	+40%	2/480 Winter				12.514	0.960	0.000	0.03
S26.010	S25	2160 Winter	100	+40%	2/360 Winter				11.680	0.194	0.000	0.02

Pipe

PN	US/MH Name	Overflow (l/s)	Flow (l/s)	Status	Level Exceeded
S26.000	S23		32.0	OK	
S26.001	S24		49.3	SURCHARGED	
S26.002	S25		76.0	SURCHARGED	

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PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S26.003	S26		121.9	SURCHARGED	
S26.004	S27		167.8	OK	
S26.005	S6		200.3	OK	
S26.006	S28		256.4	SURCHARGED	
S26.007	S29		295.6	OK	
S26.008	S30		330.6	OK	
S27.000	S10		70.8	OK	
S27.001	S11		100.3	OK	
S27.002	S12		202.8	OK	
S27.003	S13		199.2	SURCHARGED	
S27.004	S14		192.2	SURCHARGED	
S27.005	S15		5.0	SURCHARGED	
S27.006	S16		105.0	OK	
S27.007	S17		157.1	OK	
S27.008	S18		160.4	SURCHARGED	
S27.009	S19		18.4	SURCHARGED	
S27.010	S20		18.2	SURCHARGED	
S27.011	S21		4.7	SURCHARGED	
S27.012	S21		50.3	OK	
S27.013	S22		50.1	OK	
S26.009	S31		4.9	SURCHARGED	
S26.010	S25		4.9	SURCHARGED	

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STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for SLR-AB-20

Pipe Sizes STANDARD Manhole Sizes STANDARD

FEH Rainfall Model	
Return Period (years)	5
FEH Rainfall Version	1999
Site Location GB 644450 263650 TM 44450 63650	
C (1km)	-0.020
D1 (1km)	0.301
D2 (1km)	0.277
D3 (1km)	0.231
E (1km)	0.311
F (1km)	2.506
Maximum Rainfall (mm/hr)	50
Maximum Time of Concentration (mins)	30
Foul Sewage (l/s/ha)	0.000
Volumetric Runoff Coeff.	0.750
PIMP (%)	100
Add Flow / Climate Change (%)	0
Minimum Backdrop Height (m)	0.200
Maximum Backdrop Height (m)	1.500
Min Design Depth for Optimisation (m)	1.200
Min Vel for Auto Design only (m/s)	1.00
Min Slope for Optimisation (1:X)	500

Designed with Level Soffits

Time Area Diagram for SLR-AB-20




Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.000	4-8	0.528	8-12	0.894	12-16	0.199

Total Area Contributing (ha) = 1.621

Total Pipe Volume (m<sup>3</sup>) = 190.894

Network Design Table for SLR-AB-20

« - Indicates pipe capacity < flow

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S27.000	82.907	0.496	167.0	0.051	5.00	0.0	0.600	o	375	Pipe/Conduit	
S28.000	53.461	0.914	58.5	0.045	5.00	0.0	0.600	o	375	Pipe/Conduit	
S28.001	14.678	1.129	13.0	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S27.000	50.00	5.99	21.000	0.051	0.0	0.0	0.0	1.40	154.5	6.9
S28.000	50.00	5.38	22.000	0.045	0.0	0.0	0.0	2.37	262.1	6.1
S28.001	50.00	5.42	21.086	0.045	0.0	0.0	0.0	5.05	557.6	6.1

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### Network Design Table for SLR-AB-20

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S27.001	99.559	0.596	167.0	0.093	0.00	0.0	0.600	o	375	Pipe/Conduit	
S27.002	36.647	0.151	242.7	0.059	0.00	0.0	0.600	o	375	Pipe/Conduit	
S27.003	79.729	1.329	60.0	0.071	0.00	0.0	0.600	o	375	Pipe/Conduit	
S27.004	79.729	0.329	242.3	0.058	0.00	0.0	0.600	o	375	Pipe/Conduit	
S29.000	123.031	0.699	176.0	0.058	5.00	0.0	0.600	o	300	Pipe/Conduit	
S29.001	3.313	0.014	245.0	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S29.002	11.831	0.048	245.0	0.005	0.00	0.0	0.600	o	300	Pipe/Conduit	
S29.003	69.238	0.283	245.0	0.032	0.00	0.0	0.600	o	300	Pipe/Conduit	
S29.004	69.289	1.663	41.7	0.038	0.00	0.0	0.600	o	300	Pipe/Conduit	
S29.005	5.390	0.500	10.8	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S27.005	94.193	2.851	33.0	0.111	0.00	0.0	0.600	o	375	Pipe/Conduit	
S27.006	98.777	3.293	30.0	0.120	0.00	0.0	0.600	o	375	Pipe/Conduit	
S27.007	66.429	2.214	30.0	0.142	0.00	0.0	0.600	o	375	Pipe/Conduit	
S30.000	82.956	0.600	138.3	0.106	5.00	0.0	0.600	o	300	Pipe/Conduit	
S30.001	55.313	1.195	46.3	0.045	0.00	0.0	0.600	o	300	Pipe/Conduit	
S30.002	55.313	0.227	243.3	0.008	0.00	0.0	0.600	o	300	Pipe/Conduit	
S30.003	98.504	1.413	69.7	0.105	0.00	0.0	0.600	o	300	Pipe/Conduit	
S31.000	43.792	0.749	58.5	0.020	5.00	0.0	0.600	o	225	Pipe/Conduit	
S31.001	39.764	0.234	169.8	0.018	0.00	0.0	0.600	o	225	Pipe/Conduit	
S31.002	102.832	0.606	169.8	0.051	0.00	0.0	0.600	o	225	Pipe/Conduit	
S31.003	50.991	1.376	37.0	0.029	0.00	0.0	0.600	o	225	Pipe/Conduit	
S31.004	12.604	0.720	17.5	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S30.004	29.449	0.940	31.3	0.086	0.00	0.0	0.600	o	375	Pipe/Conduit	

### Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S27.001	50.00	7.17	19.830	0.190	0.0	0.0	0.0	1.40	154.5	25.7
S27.002	50.00	7.70	19.234	0.248	0.0	0.0	0.0	1.16	128.0	33.6
S27.003	50.00	8.27	19.083	0.320	0.0	0.0	0.0	2.34	258.8	43.3
S27.004	50.00	9.41	17.660	0.378	0.0	0.0	0.0	1.16	128.1	51.2
S29.000	50.00	6.73	20.366	0.058	0.0	0.0	0.0	1.18	83.6	7.8
S29.001	50.00	6.79	19.667	0.058	0.0	0.0	0.0	1.00	70.7	7.8
S29.002	50.00	6.99	19.653	0.062	0.0	0.0	0.0	1.00	70.7	8.5
S29.003	50.00	8.14	19.605	0.094	0.0	0.0	0.0	1.00	70.7	12.8
S29.004	50.00	8.61	19.323	0.132	0.0	0.0	0.0	2.44	172.6	17.9
S29.005	50.00	8.63	17.660	0.132	0.0	0.0	0.0	4.82	340.4	17.9
S27.005	50.00	9.91	16.831	0.621	0.0	0.0	0.0	3.16	349.2	84.2
S27.006	50.00	10.41	13.980	0.741	0.0	0.0	0.0	3.32	366.5	100.4
S27.007	50.00	10.74	10.687	0.883	0.0	0.0	0.0	3.32	366.5	119.6
S30.000	50.00	6.04	21.055	0.106	0.0	0.0	0.0	1.34	94.4	14.3
S30.001	50.00	6.43	20.455	0.151	0.0	0.0	0.0	2.32	163.8	20.4
S30.002	50.00	7.35	19.260	0.159	0.0	0.0	0.0	1.00	70.9	21.5
S30.003	50.00	8.22	19.033	0.264	0.0	0.0	0.0	1.89	133.3	35.7
S31.000	50.00	5.43	21.380	0.020	0.0	0.0	0.0	1.71	68.1	2.7
S31.001	50.00	6.09	20.631	0.038	0.0	0.0	0.0	1.00	39.8	5.1
S31.002	50.00	7.80	20.397	0.089	0.0	0.0	0.0	1.00	39.8	12.1
S31.003	50.00	8.20	19.791	0.118	0.0	0.0	0.0	2.16	85.7	15.9
S31.004	50.00	8.26	18.415	0.118	0.0	0.0	0.0	3.14	125.0	15.9
S30.004	50.00	8.41	17.545	0.467	0.0	0.0	0.0	3.25	358.7	63.3

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Network Design Table for SLR-AB-20

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S30.005	96.484	3.680	26.2	0.065	0.00	0.0	0.600	o	375	Pipe/Conduit	
S30.006	98.866	3.803	26.0	0.159	0.00	0.0	0.600	o	375	Pipe/Conduit	
S30.007	31.220	0.097	321.9	0.047	0.00	0.0	0.600	o	375	Pipe/Conduit	
S30.008	24.316	0.486	50.0	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit	
S30.009	42.318	0.213	199.0	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit	
S30.010	37.248	0.186	200.0	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit	
S27.008	21.275	0.192	110.8	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S27.009	11.448	0.038	301.3	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S27.010	19.197	0.038	505.2	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S27.011	28.122	0.001	28122.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S30.005	50.00	8.87	16.605	0.532	0.0	0.0	0.0	3.55	392.2	72.0
S30.006	50.00	9.33	12.925	0.691	0.0	0.0	0.0	3.57	393.8	93.6
S30.007	50.00	9.85	9.122	0.738	0.0	0.0	0.0	1.00	110.9	99.9
S30.008	50.00	10.00	9.025	0.738	0.0	0.0	0.0	2.57	283.6	99.9
S30.009	50.00	10.56	8.539	0.738	0.0	0.0	0.0	1.28	141.5	99.9
S30.010	50.00	11.04	8.326	0.738	0.0	0.0	0.0	1.28	141.1	99.9
S27.008	50.00	11.19	7.915	1.621	0.0	0.0	0.0	2.31	654.0	219.5
S27.009	50.00	11.33	7.723	1.621	0.0	0.0	0.0	1.40	395.2	219.5
S27.010	50.00	11.63	7.685	1.621	0.0	0.0	0.0	1.08	304.4	219.5
S27.011	50.00	15.07	7.647	1.621	0.0	0.0	0.0	0.14	38.5	219.5



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Manhole Schedules for SLR-AB-20

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S1	22.000	1.000	Open Manhole	1350	S27.000	21.000	375				
S2	23.000	1.000	Open Manhole	1350	S28.000	22.000	375				
S3	22.500	1.414	Open Manhole	1350	S28.001	21.086	375	S28.000	21.086	375	
S25	21.180	1.350	Open Manhole	1350	S27.001	19.830	375	S27.000	20.504	375	674
								S28.001	19.957	375	127
S26	20.740	1.506	Open Manhole	1350	S27.002	19.234	375	S27.001	19.234	375	
S27	22.000	2.917	Open Manhole	1350	S27.003	19.083	375	S27.002	19.083	375	
S4	18.660	1.000	Open Manhole	1350	S27.004	17.660	375	S27.003	17.754	375	94
S5	21.666	1.300	Open Manhole	1200	S29.000	20.366	300				
S6	22.440	2.773	Open Manhole	1200	S29.001	19.667	300	S29.000	19.667	300	
S7	22.380	2.727	Open Manhole	1200	S29.002	19.653	300	S29.001	19.653	300	
S8	22.380	2.775	Open Manhole	1200	S29.003	19.605	300	S29.002	19.605	300	
S9	21.220	1.897	Open Manhole	1200	S29.004	19.323	300	S29.003	19.323	300	
S10	19.160	1.500	Open Manhole	1200	S29.005	17.660	300	S29.004	17.660	300	
S28	18.660	1.829	Open Manhole	1350	S27.005	16.831	375	S27.004	17.331	375	500
								S29.005	17.160	300	254
S29	15.480	1.500	Open Manhole	1350	S27.006	13.980	375	S27.005	13.980	375	
S30	11.380	0.693	Open Manhole	1350	S27.007	10.687	375	S27.006	10.687	375	
S31	22.480	1.425	Open Manhole	1200	S30.000	21.055	300				
S32	21.880	1.425	Open Manhole	1200	S30.001	20.455	300	S30.000	20.455	300	
S10	20.760	1.500	Open Manhole	1200	S30.002	19.260	300	S30.001	19.260	300	
S33	20.760	1.727	Open Manhole	1200	S30.003	19.033	300	S30.002	19.033	300	
S18	22.680	1.300	Open Manhole	1200	S31.000	21.380	225				
S19	22.650	2.019	Open Manhole	1200	S31.001	20.631	225	S31.000	20.631	225	
S20	22.600	2.203	Open Manhole	1200	S31.002	20.397	225	S31.001	20.397	225	
S21	21.340	1.549	Open Manhole	1200	S31.003	19.791	225	S31.002	19.791	225	
S22	19.840	1.425	Open Manhole	1200	S31.004	18.415	225	S31.003	18.415	225	
S34	19.120	1.575	Open Manhole	1350	S30.004	17.545	375	S30.003	17.620	300	
								S31.004	17.695	225	
S35	18.180	1.575	Open Manhole	1350	S30.005	16.605	375	S30.004	16.605	375	
S36	14.500	1.575	Open Manhole	1350	S30.006	12.925	375	S30.005	12.925	375	
S37	11.040	1.918	Open Manhole	1350	S30.007	9.122	375	S30.006	9.122	375	
S38	11.100	2.075	Open Manhole	1350	S30.008	9.025	375	S30.007	9.025	375	
S39	9.870	1.331	Open Manhole	1350	S30.009	8.539	375	S30.008	8.539	375	
S40	9.360	1.034	Open Manhole	1350	S30.010	8.326	375	S30.009	8.326	375	
S31	9.080	1.165	Open Manhole	1500	S27.008	7.915	600	S27.007	8.473	375	333
								S30.010	8.140	375	
S32	9.400	1.677	Open Manhole	1500	S27.009	7.723	600	S27.008	7.723	600	
S32	9.400	1.715	Open Manhole	1500	S27.010	7.685	600	S27.009	7.685	600	
S32	9.400	1.753	Open Manhole	1500	S27.011	7.647	600	S27.010	7.647	600	
S	10.000	2.354	Open Manhole	0		OUTFALL		S27.011	7.646	600	

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Manhole Schedules for SLR-AB-20

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S1	642432.858	267073.697	642432.858	267073.697	Required	
S2	642397.288	267067.452	642397.288	267067.452	Required	
S3	642351.732	267039.476	642351.732	267039.476	Required	
S25	642362.626	267029.639	642362.626	267029.639	Required	
S26	642287.309	266965.587	642287.309	266965.587	Required	
S27	642270.397	266933.160	642270.397	266933.160	Required	
S4	642339.221	266892.923	642339.221	266892.923	Required	
S5	642367.923	267022.277	642367.923	267022.277	Required	
S6	642278.924	266937.332	642278.924	266937.332	Required	
S7	642277.140	266934.540	642277.140	266934.540	Required	
S8	642285.815	266926.495	642285.815	266926.495	Required	
S9	642347.384	266894.821	642347.384	266894.821	Required	
S10	642407.580	266860.508	642407.580	266860.508	Required	
S28	642409.626	266855.521	642409.626	266855.521	Required	
S29	642495.717	266817.461	642495.717	266817.461	Required	
S30	642585.160	266775.546	642585.160	266775.546	Required	
S31	642129.208	266896.918	642129.208	266896.918	Required	
S32	642198.110	266943.116	642198.110	266943.116	Required	
S10	642247.985	266919.199	642247.985	266919.199	Required	
S33	642297.861	266895.283	642297.861	266895.283	Required	

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Manhole Schedules for SLR-AB-20

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S18	642161.333	266912.912	642161.333	266912.912	Required	
S19	642199.060	266935.147	642199.060	266935.147	Required	
S20	642235.285	266918.748	642235.285	266918.748	Required	
S21	642327.102	266872.442	642327.102	266872.442	Required	
S22	642374.137	266852.749	642374.137	266852.749	Required	
S34	642386.740	266852.815	642386.740	266852.815	Required	
S35	642410.429	266835.319	642410.429	266835.319	Required	
S36	642495.993	266790.734	642495.993	266790.734	Required	
S37	642581.900	266741.800	642581.900	266741.800	Required	
S38	642560.000	266719.550	642560.000	266719.550	Required	
S39	642578.981	266704.352	642578.981	266704.352	Required	
S40	642616.792	266723.358	642616.792	266723.358	Required	
S31	642645.299	266747.331	642645.299	266747.331	Required	
S32	642654.174	266766.667	642654.174	266766.667	Required	
S32	642665.101	266763.254	642665.101	266763.254	Required	
S32	642669.544	266744.579	642669.544	266744.579	Required	
S	642692.288	266728.038			No Entry	

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PIPELINE SCHEDULES for SLR-AB-20

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S27.000	o	375	S1	22.000	21.000	0.625	Open Manhole	1350
S28.000	o	375	S2	23.000	22.000	0.625	Open Manhole	1350
S28.001	o	375	S3	22.500	21.086	1.039	Open Manhole	1350
S27.001	o	375	S25	21.180	19.830	0.975	Open Manhole	1350
S27.002	o	375	S26	20.740	19.234	1.131	Open Manhole	1350
S27.003	o	375	S27	22.000	19.083	2.542	Open Manhole	1350
S27.004	o	375	S4	18.660	17.660	0.625	Open Manhole	1350
S29.000	o	300	S5	21.666	20.366	1.000	Open Manhole	1200
S29.001	o	300	S6	22.440	19.667	2.473	Open Manhole	1200
S29.002	o	300	S7	22.380	19.653	2.427	Open Manhole	1200
S29.003	o	300	S8	22.380	19.605	2.475	Open Manhole	1200
S29.004	o	300	S9	21.220	19.323	1.597	Open Manhole	1200
S29.005	o	300	S10	19.160	17.660	1.200	Open Manhole	1200
S27.005	o	375	S28	18.660	16.831	1.454	Open Manhole	1350
S27.006	o	375	S29	15.480	13.980	1.125	Open Manhole	1350
S27.007	o	375	S30	11.380	10.687	0.318	Open Manhole	1350
S30.000	o	300	S31	22.480	21.055	1.125	Open Manhole	1200
S30.001	o	300	S32	21.880	20.455	1.125	Open Manhole	1200
S30.002	o	300	S10	20.760	19.260	1.200	Open Manhole	1200
S30.003	o	300	S33	20.760	19.033	1.427	Open Manhole	1200
S31.000	o	225	S18	22.680	21.380	1.075	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S27.000	82.907	167.0	S25	21.180	20.504	0.301	Open Manhole	1350
S28.000	53.461	58.5	S3	22.500	21.086	1.039	Open Manhole	1350
S28.001	14.678	13.0	S25	21.180	19.957	0.848	Open Manhole	1350
S27.001	99.559	167.0	S26	20.740	19.234	1.131	Open Manhole	1350
S27.002	36.647	242.7	S27	22.000	19.083	2.542	Open Manhole	1350
S27.003	79.729	60.0	S4	18.660	17.754	0.531	Open Manhole	1350
S27.004	79.729	242.3	S28	18.660	17.331	0.954	Open Manhole	1350
S29.000	123.031	176.0	S6	22.440	19.667	2.473	Open Manhole	1200
S29.001	3.313	245.0	S7	22.380	19.653	2.427	Open Manhole	1200
S29.002	11.831	245.0	S8	22.380	19.605	2.475	Open Manhole	1200
S29.003	69.238	245.0	S9	21.220	19.323	1.597	Open Manhole	1200
S29.004	69.289	41.7	S10	19.160	17.660	1.200	Open Manhole	1200
S29.005	5.390	10.8	S28	18.660	17.160	1.200	Open Manhole	1350
S27.005	94.193	33.0	S29	15.480	13.980	1.125	Open Manhole	1350
S27.006	98.777	30.0	S30	11.380	10.687	0.318	Open Manhole	1350
S27.007	66.429	30.0	S31	9.080	8.473	0.232	Open Manhole	1500
S30.000	82.956	138.3	S32	21.880	20.455	1.125	Open Manhole	1200
S30.001	55.313	46.3	S10	20.760	19.260	1.200	Open Manhole	1200
S30.002	55.313	243.3	S33	20.760	19.033	1.427	Open Manhole	1200
S30.003	98.504	69.7	S34	19.120	17.620	1.200	Open Manhole	1350
S31.000	43.792	58.5	S19	22.650	20.631	1.794	Open Manhole	1200

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PIPELINE SCHEDULES for SLR-AB-20

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S31.001	o	225	S19	22.650	20.631	1.794	Open Manhole	1200
S31.002	o	225	S20	22.600	20.397	1.978	Open Manhole	1200
S31.003	o	225	S21	21.340	19.791	1.324	Open Manhole	1200
S31.004	o	225	S22	19.840	18.415	1.200	Open Manhole	1200
S30.004	o	375	S34	19.120	17.545	1.200	Open Manhole	1350
S30.005	o	375	S35	18.180	16.605	1.200	Open Manhole	1350
S30.006	o	375	S36	14.500	12.925	1.200	Open Manhole	1350
S30.007	o	375	S37	11.040	9.122	1.543	Open Manhole	1350
S30.008	o	375	S38	11.100	9.025	1.700	Open Manhole	1350
S30.009	o	375	S39	9.870	8.539	0.956	Open Manhole	1350
S30.010	o	375	S40	9.360	8.326	0.659	Open Manhole	1350
S27.008	o	600	S31	9.080	7.915	0.565	Open Manhole	1500
S27.009	o	600	S32	9.400	7.723	1.077	Open Manhole	1500
S27.010	o	600	S32	9.400	7.685	1.115	Open Manhole	1500
S27.011	o	600	S32	9.400	7.647	1.153	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S31.001	39.764	169.8	S20	22.600	20.397	1.978	Open Manhole	1200
S31.002	102.832	169.8	S21	21.340	19.791	1.324	Open Manhole	1200
S31.003	50.991	37.0	S22	19.840	18.415	1.200	Open Manhole	1200
S31.004	12.604	17.5	S34	19.120	17.695	1.200	Open Manhole	1350
S30.004	29.449	31.3	S35	18.180	16.605	1.200	Open Manhole	1350
S30.005	96.484	26.2	S36	14.500	12.925	1.200	Open Manhole	1350
S30.006	98.866	26.0	S37	11.040	9.122	1.543	Open Manhole	1350
S30.007	31.220	321.9	S38	11.100	9.025	1.700	Open Manhole	1350
S30.008	24.316	50.0	S39	9.870	8.539	0.956	Open Manhole	1350
S30.009	42.318	199.0	S40	9.360	8.326	0.659	Open Manhole	1350
S30.010	37.248	200.0	S31	9.080	8.140	0.565	Open Manhole	1500
S27.008	21.275	110.8	S32	9.400	7.723	1.077	Open Manhole	1500
S27.009	11.448	301.3	S32	9.400	7.685	1.115	Open Manhole	1500
S27.010	19.197	505.2	S32	9.400	7.647	1.153	Open Manhole	1500
S27.011	28.122	28122.0	S	10.000	7.646	1.754	Open Manhole	0

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Network Classifications for SLR-AB-20

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S27.000	S1	375	0.301	0.625	Unclassified	1350	0	0.625	Unclassified
S28.000	S2	375	0.625	1.039	Unclassified	1350	0	0.625	Unclassified
S28.001	S3	375	0.848	1.039	Unclassified	1350	0	1.039	Unclassified
S27.001	S25	375	0.975	1.131	Unclassified	1350	0	0.975	Unclassified
S27.002	S26	375	1.131	2.542	Unclassified	1350	0	1.131	Unclassified
S27.003	S27	375	0.531	2.542	Unclassified	1350	0	2.542	Unclassified
S27.004	S4	375	0.625	0.954	Unclassified	1350	0	0.625	Unclassified
S29.000	S5	300	1.000	2.473	Unclassified	1200	0	1.000	Unclassified
S29.001	S6	300	2.427	2.473	Unclassified	1200	0	2.473	Unclassified
S29.002	S7	300	2.427	2.475	Unclassified	1200	0	2.427	Unclassified
S29.003	S8	300	1.597	2.475	Unclassified	1200	0	2.475	Unclassified
S29.004	S9	300	1.200	1.597	Unclassified	1200	0	1.597	Unclassified
S29.005	S10	300	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S27.005	S28	375	1.125	1.454	Unclassified	1350	0	1.454	Unclassified
S27.006	S29	375	0.318	1.125	Unclassified	1350	0	1.125	Unclassified
S27.007	S30	375	0.232	0.318	Unclassified	1350	0	0.318	Unclassified
S30.000	S31	300	1.125	1.125	Unclassified	1200	0	1.125	Unclassified
S30.001	S32	300	1.125	1.200	Unclassified	1200	0	1.125	Unclassified
S30.002	S10	300	1.200	1.427	Unclassified	1200	0	1.200	Unclassified
S30.003	S33	300	1.200	1.427	Unclassified	1200	0	1.427	Unclassified
S31.000	S18	225	1.075	1.794	Unclassified	1200	0	1.075	Unclassified
S31.001	S19	225	1.794	1.978	Unclassified	1200	0	1.794	Unclassified
S31.002	S20	225	1.324	1.978	Unclassified	1200	0	1.978	Unclassified
S31.003	S21	225	1.200	1.324	Unclassified	1200	0	1.324	Unclassified
S31.004	S22	225	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S30.004	S34	375	1.200	1.200	Unclassified	1350	0	1.200	Unclassified
S30.005	S35	375	1.200	1.200	Unclassified	1350	0	1.200	Unclassified
S30.006	S36	375	1.200	1.543	Unclassified	1350	0	1.200	Unclassified
S30.007	S37	375	1.543	1.700	Unclassified	1350	0	1.543	Unclassified
S30.008	S38	375	0.956	1.700	Unclassified	1350	0	1.700	Unclassified
S30.009	S39	375	0.659	0.956	Unclassified	1350	0	0.956	Unclassified
S30.010	S40	375	0.565	0.659	Unclassified	1350	0	0.659	Unclassified
S27.008	S31	600	0.565	1.077	Unclassified	1500	0	0.565	Unclassified
S27.009	S32	600	1.077	1.115	Unclassified	1500	0	1.077	Unclassified
S27.010	S32	600	1.115	1.153	Unclassified	1500	0	1.115	Unclassified
S27.011	S32	600	1.153	1.754	Unclassified	1500	0	1.153	Unclassified

Surcharged Outfall Details for SLR-AB-20

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
S27.011	S	10.000	7.646	0.000	0	0

Datum (m) 0.000 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1	8.120	10	8.120	19	8.120	28	8.120	37	8.120	46	8.120	55	8.120	64	8.120
2	8.120	11	8.120	20	8.120	29	8.120	38	8.120	47	8.120	56	8.120	65	8.120
3	8.120	12	8.120	21	8.120	30	8.120	39	8.120	48	8.120	57	8.120	66	8.120
4	8.120	13	8.120	22	8.120	31	8.120	40	8.120	49	8.120	58	8.120	67	8.120
5	8.120	14	8.120	23	8.120	32	8.120	41	8.120	50	8.120	59	8.120	68	8.120
6	8.120	15	8.120	24	8.120	33	8.120	42	8.120	51	8.120	60	8.120	69	8.120
7	8.120	16	8.120	25	8.120	34	8.120	43	8.120	52	8.120	61	8.120	70	8.120
8	8.120	17	8.120	26	8.120	35	8.120	44	8.120	53	8.120	62	8.120	71	8.120
9	8.120	18	8.120	27	8.120	36	8.120	45	8.120	54	8.120	63	8.120	72	8.120

Sizewell Link Road  
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Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-20

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
82	8.120	144	8.120	206	8.120	268	8.120	330	8.120	392	8.120	454	8.120	516	8.120
83	8.120	145	8.120	207	8.120	269	8.120	331	8.120	393	8.120	455	8.120	517	8.120
84	8.120	146	8.120	208	8.120	270	8.120	332	8.120	394	8.120	456	8.120	518	8.120
85	8.120	147	8.120	209	8.120	271	8.120	333	8.120	395	8.120	457	8.120	519	8.120
86	8.120	148	8.120	210	8.120	272	8.120	334	8.120	396	8.120	458	8.120	520	8.120
87	8.120	149	8.120	211	8.120	273	8.120	335	8.120	397	8.120	459	8.120	521	8.120
88	8.120	150	8.120	212	8.120	274	8.120	336	8.120	398	8.120	460	8.120	522	8.120
89	8.120	151	8.120	213	8.120	275	8.120	337	8.120	399	8.120	461	8.120	523	8.120
90	8.120	152	8.120	214	8.120	276	8.120	338	8.120	400	8.120	462	8.120	524	8.120
91	8.120	153	8.120	215	8.120	277	8.120	339	8.120	401	8.120	463	8.120	525	8.120
92	8.120	154	8.120	216	8.120	278	8.120	340	8.120	402	8.120	464	8.120	526	8.120
93	8.120	155	8.120	217	8.120	279	8.120	341	8.120	403	8.120	465	8.120	527	8.120
94	8.120	156	8.120	218	8.120	280	8.120	342	8.120	404	8.120	466	8.120	528	8.120
95	8.120	157	8.120	219	8.120	281	8.120	343	8.120	405	8.120	467	8.120	529	8.120
96	8.120	158	8.120	220	8.120	282	8.120	344	8.120	406	8.120	468	8.120	530	8.120
97	8.120	159	8.120	221	8.120	283	8.120	345	8.120	407	8.120	469	8.120	531	8.120
98	8.120	160	8.120	222	8.120	284	8.120	346	8.120	408	8.120	470	8.120	532	8.120
99	8.120	161	8.120	223	8.120	285	8.120	347	8.120	409	8.120	471	8.120	533	8.120
100	8.120	162	8.120	224	8.120	286	8.120	348	8.120	410	8.120	472	8.120	534	8.120
101	8.120	163	8.120	225	8.120	287	8.120	349	8.120	411	8.120	473	8.120	535	8.120
102	8.120	164	8.120	226	8.120	288	8.120	350	8.120	412	8.120	474	8.120	536	8.120
103	8.120	165	8.120	227	8.120	289	8.120	351	8.120	413	8.120	475	8.120	537	8.120
104	8.120	166	8.120	228	8.120	290	8.120	352	8.120	414	8.120	476	8.120	538	8.120
105	8.120	167	8.120	229	8.120	291	8.120	353	8.120	415	8.120	477	8.120	539	8.120
106	8.120	168	8.120	230	8.120	292	8.120	354	8.120	416	8.120	478	8.120	540	8.120
107	8.120	169	8.120	231	8.120	293	8.120	355	8.120	417	8.120	479	8.120	541	8.120
108	8.120	170	8.120	232	8.120	294	8.120	356	8.120	418	8.120	480	8.120	542	8.120
109	8.120	171	8.120	233	8.120	295	8.120	357	8.120	419	8.120	481	8.120	543	8.120
110	8.120	172	8.120	234	8.120	296	8.120	358	8.120	420	8.120	482	8.120	544	8.120
111	8.120	173	8.120	235	8.120	297	8.120	359	8.120	421	8.120	483	8.120	545	8.120
112	8.120	174	8.120	236	8.120	298	8.120	360	8.120	422	8.120	484	8.120	546	8.120
113	8.120	175	8.120	237	8.120	299	8.120	361	8.120	423	8.120	485	8.120	547	8.120
114	8.120	176	8.120	238	8.120	300	8.120	362	8.120	424	8.120	486	8.120	548	8.120
115	8.120	177	8.120	239	8.120	301	8.120	363	8.120	425	8.120	487	8.120	549	8.120
116	8.120	178	8.120	240	8.120	302	8.120	364	8.120	426	8.120	488	8.120	550	8.120
117	8.120	179	8.120	241	8.120	303	8.120	365	8.120	427	8.120	489	8.120	551	8.120
118	8.120	180	8.120	242	8.120	304	8.120	366	8.120	428	8.120	490	8.120	552	8.120
119	8.120	181	8.120	243	8.120	305	8.120	367	8.120	429	8.120	491	8.120	553	8.120
120	8.120	182	8.120	244	8.120	306	8.120	368	8.120	430	8.120	492	8.120	554	8.120
121	8.120	183	8.120	245	8.120	307	8.120	369	8.120	431	8.120	493	8.120	555	8.120
122	8.120	184	8.120	246	8.120	308	8.120	370	8.120	432	8.120	494	8.120	556	8.120
123	8.120	185	8.120	247	8.120	309	8.120	371	8.120	433	8.120	495	8.120	557	8.120
124	8.120	186	8.120	248	8.120	310	8.120	372	8.120	434	8.120	496	8.120	558	8.120
125	8.120	187	8.120	249	8.120	311	8.120	373	8.120	435	8.120	497	8.120	559	8.120
126	8.120	188	8.120	250	8.120	312	8.120	374	8.120	436	8.120	498	8.120	560	8.120
127	8.120	189	8.120	251	8.120	313	8.120	375	8.120	437	8.120	499	8.120	561	8.120
128	8.120	190	8.120	252	8.120	314	8.120	376	8.120	438	8.120	500	8.120	562	8.120
129	8.120	191	8.120	253	8.120	315	8.120	377	8.120	439	8.120	501	8.120	563	8.120
130	8.120	192	8.120	254	8.120	316	8.120	378	8.120	440	8.120	502	8.120	564	8.120
131	8.120	193	8.120	255	8.120	317	8.120	379	8.120	441	8.120	503	8.120	565	8.120
132	8.120	194	8.120	256	8.120	318	8.120	380	8.120	442	8.120	504	8.120	566	8.120
133	8.120	195	8.120	257	8.120	319	8.120	381	8.120	443	8.120	505	8.120	567	8.120
134	8.120	196	8.120	258	8.120	320	8.120	382	8.120	444	8.120	506	8.120	568	8.120
135	8.120	197	8.120	259	8.120	321	8.120	383	8.120	445	8.120	507	8.120	569	8.120
136	8.120	198	8.120	260	8.120	322	8.120	384	8.120	446	8.120	508	8.120	570	8.120
137	8.120	199	8.120	261	8.120	323	8.120	385	8.120	447	8.120	509	8.120	571	8.120
138	8.120	200	8.120	262	8.120	324	8.120	386	8.120	448	8.120	510	8.120	572	8.120
139	8.120	201	8.120	263	8.120	325	8.120	387	8.120	449	8.120	511	8.120	573	8.120
140	8.120	202	8.120	264	8.120	326	8.120	388	8.120	450	8.120	512	8.120	574	8.120
141	8.120	203	8.120	265	8.120	327	8.120	389	8.120	451	8.120	513	8.120	575	8.120
142	8.120	204	8.120	266	8.120	328	8.120	390	8.120	452	8.120	514	8.120	576	8.120
143	8.120	205	8.120	267	8.120	329	8.120	391	8.120	453	8.120	515	8.120	577	8.120



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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
640	8.120	702	8.120	764	8.120	826	8.120	888	8.120	950	8.120	1012	8.120	1074	8.120
641	8.120	703	8.120	765	8.120	827	8.120	889	8.120	951	8.120	1013	8.120	1075	8.120
642	8.120	704	8.120	766	8.120	828	8.120	890	8.120	952	8.120	1014	8.120	1076	8.120
643	8.120	705	8.120	767	8.120	829	8.120	891	8.120	953	8.120	1015	8.120	1077	8.120
644	8.120	706	8.120	768	8.120	830	8.120	892	8.120	954	8.120	1016	8.120	1078	8.120
645	8.120	707	8.120	769	8.120	831	8.120	893	8.120	955	8.120	1017	8.120	1079	8.120
646	8.120	708	8.120	770	8.120	832	8.120	894	8.120	956	8.120	1018	8.120	1080	8.120
647	8.120	709	8.120	771	8.120	833	8.120	895	8.120	957	8.120	1019	8.120	1081	8.120
648	8.120	710	8.120	772	8.120	834	8.120	896	8.120	958	8.120	1020	8.120	1082	8.120
649	8.120	711	8.120	773	8.120	835	8.120	897	8.120	959	8.120	1021	8.120	1083	8.120
650	8.120	712	8.120	774	8.120	836	8.120	898	8.120	960	8.120	1022	8.120	1084	8.120
651	8.120	713	8.120	775	8.120	837	8.120	899	8.120	961	8.120	1023	8.120	1085	8.120
652	8.120	714	8.120	776	8.120	838	8.120	900	8.120	962	8.120	1024	8.120	1086	8.120
653	8.120	715	8.120	777	8.120	839	8.120	901	8.120	963	8.120	1025	8.120	1087	8.120
654	8.120	716	8.120	778	8.120	840	8.120	902	8.120	964	8.120	1026	8.120	1088	8.120
655	8.120	717	8.120	779	8.120	841	8.120	903	8.120	965	8.120	1027	8.120	1089	8.120
656	8.120	718	8.120	780	8.120	842	8.120	904	8.120	966	8.120	1028	8.120	1090	8.120
657	8.120	719	8.120	781	8.120	843	8.120	905	8.120	967	8.120	1029	8.120	1091	8.120
658	8.120	720	8.120	782	8.120	844	8.120	906	8.120	968	8.120	1030	8.120	1092	8.120
659	8.120	721	8.120	783	8.120	845	8.120	907	8.120	969	8.120	1031	8.120	1093	8.120
660	8.120	722	8.120	784	8.120	846	8.120	908	8.120	970	8.120	1032	8.120	1094	8.120
661	8.120	723	8.120	785	8.120	847	8.120	909	8.120	971	8.120	1033	8.120	1095	8.120
662	8.120	724	8.120	786	8.120	848	8.120	910	8.120	972	8.120	1034	8.120	1096	8.120
663	8.120	725	8.120	787	8.120	849	8.120	911	8.120	973	8.120	1035	8.120	1097	8.120
664	8.120	726	8.120	788	8.120	850	8.120	912	8.120	974	8.120	1036	8.120	1098	8.120
665	8.120	727	8.120	789	8.120	851	8.120	913	8.120	975	8.120	1037	8.120	1099	8.120
666	8.120	728	8.120	790	8.120	852	8.120	914	8.120	976	8.120	1038	8.120	1100	8.120
667	8.120	729	8.120	791	8.120	853	8.120	915	8.120	977	8.120	1039	8.120	1101	8.120
668	8.120	730	8.120	792	8.120	854	8.120	916	8.120	978	8.120	1040	8.120	1102	8.120
669	8.120	731	8.120	793	8.120	855	8.120	917	8.120	979	8.120	1041	8.120	1103	8.120
670	8.120	732	8.120	794	8.120	856	8.120	918	8.120	980	8.120	1042	8.120	1104	8.120
671	8.120	733	8.120	795	8.120	857	8.120	919	8.120	981	8.120	1043	8.120	1105	8.120
672	8.120	734	8.120	796	8.120	858	8.120	920	8.120	982	8.120	1044	8.120	1106	8.120
673	8.120	735	8.120	797	8.120	859	8.120	921	8.120	983	8.120	1045	8.120	1107	8.120
674	8.120	736	8.120	798	8.120	860	8.120	922	8.120	984	8.120	1046	8.120	1108	8.120
675	8.120	737	8.120	799	8.120	861	8.120	923	8.120	985	8.120	1047	8.120	1109	8.120
676	8.120	738	8.120	800	8.120	862	8.120	924	8.120	986	8.120	1048	8.120	1110	8.120
677	8.120	739	8.120	801	8.120	863	8.120	925	8.120	987	8.120	1049	8.120	1111	8.120
678	8.120	740	8.120	802	8.120	864	8.120	926	8.120	988	8.120	1050	8.120	1112	8.120
679	8.120	741	8.120	803	8.120	865	8.120	927	8.120	989	8.120	1051	8.120	1113	8.120
680	8.120	742	8.120	804	8.120	866	8.120	928	8.120	990	8.120	1052	8.120	1114	8.120
681	8.120	743	8.120	805	8.120	867	8.120	929	8.120	991	8.120	1053	8.120	1115	8.120
682	8.120	744	8.120	806	8.120	868	8.120	930	8.120	992	8.120	1054	8.120	1116	8.120
683	8.120	745	8.120	807	8.120	869	8.120	931	8.120	993	8.120	1055	8.120	1117	8.120
684	8.120	746	8.120	808	8.120	870	8.120	932	8.120	994	8.120	1056	8.120	1118	8.120
685	8.120	747	8.120	809	8.120	871	8.120	933	8.120	995	8.120	1057	8.120	1119	8.120
686	8.120	748	8.120	810	8.120	872	8.120	934	8.120	996	8.120	1058	8.120	1120	8.120
687	8.120	749	8.120	811	8.120	873	8.120	935	8.120	997	8.120	1059	8.120	1121	8.120
688	8.120	750	8.120	812	8.120	874	8.120	936	8.120	998	8.120	1060	8.120	1122	8.120
689	8.120	751	8.120	813	8.120	875	8.120	937	8.120	999	8.120	1061	8.120	1123	8.120
690	8.120	752	8.120	814	8.120	876	8.120	938	8.120	1000	8.120	1062	8.120	1124	8.120
691	8.120	753	8.120	815	8.120	877	8.120	939	8.120	1001	8.120	1063	8.120	1125	8.120
692	8.120	754	8.120	816	8.120	878	8.120	940	8.120	1002	8.120	1064	8.120	1126	8.120
693	8.120	755	8.120	817	8.120	879	8.120	941	8.120	1003	8.120	1065	8.120	1127	8.120
694	8.120	756	8.120	818	8.120	880	8.120	942	8.120	1004	8.120	1066	8.120	1128	8.120
695	8.120	757	8.120	819	8.120	881	8.120	943	8.120	1005	8.120	1067	8.120	1129	8.120
696	8.120	758	8.120	820	8.120	882	8.120	944	8.120	1006	8.120	1068	8.120	1130	8.120
697	8.120	759	8.120	821	8.120	883	8.120	945	8.120	1007	8.120	1069	8.120	1131	8.120
698	8.120	760	8.120	822	8.120	884	8.120	946	8.120	1008	8.120	1070	8.120	1132	8.120
699	8.120	761	8.120	823	8.120	885	8.120	947	8.120	1009	8.120	1071	8.120	1133	8.120
700	8.120	762	8.120	824	8.120	886	8.120	948	8.120	1010	8.120	1072	8.120	1134	8.120
701	8.120	763	8.120	825	8.120	887	8.120	949	8.120	1011	8.120	1073	8.120	1135	8.120

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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1198	8.120	1260	8.120	1322	8.120	1384	8.120	1446	8.120	1508	8.120	1570	8.120	1632	8.120
1199	8.120	1261	8.120	1323	8.120	1385	8.120	1447	8.120	1509	8.120	1571	8.120	1633	8.120
1200	8.120	1262	8.120	1324	8.120	1386	8.120	1448	8.120	1510	8.120	1572	8.120	1634	8.120
1201	8.120	1263	8.120	1325	8.120	1387	8.120	1449	8.120	1511	8.120	1573	8.120	1635	8.120
1202	8.120	1264	8.120	1326	8.120	1388	8.120	1450	8.120	1512	8.120	1574	8.120	1636	8.120
1203	8.120	1265	8.120	1327	8.120	1389	8.120	1451	8.120	1513	8.120	1575	8.120	1637	8.120
1204	8.120	1266	8.120	1328	8.120	1390	8.120	1452	8.120	1514	8.120	1576	8.120	1638	8.120
1205	8.120	1267	8.120	1329	8.120	1391	8.120	1453	8.120	1515	8.120	1577	8.120	1639	8.120
1206	8.120	1268	8.120	1330	8.120	1392	8.120	1454	8.120	1516	8.120	1578	8.120	1640	8.120
1207	8.120	1269	8.120	1331	8.120	1393	8.120	1455	8.120	1517	8.120	1579	8.120	1641	8.120
1208	8.120	1270	8.120	1332	8.120	1394	8.120	1456	8.120	1518	8.120	1580	8.120	1642	8.120
1209	8.120	1271	8.120	1333	8.120	1395	8.120	1457	8.120	1519	8.120	1581	8.120	1643	8.120
1210	8.120	1272	8.120	1334	8.120	1396	8.120	1458	8.120	1520	8.120	1582	8.120	1644	8.120
1211	8.120	1273	8.120	1335	8.120	1397	8.120	1459	8.120	1521	8.120	1583	8.120	1645	8.120
1212	8.120	1274	8.120	1336	8.120	1398	8.120	1460	8.120	1522	8.120	1584	8.120	1646	8.120
1213	8.120	1275	8.120	1337	8.120	1399	8.120	1461	8.120	1523	8.120	1585	8.120	1647	8.120
1214	8.120	1276	8.120	1338	8.120	1400	8.120	1462	8.120	1524	8.120	1586	8.120	1648	8.120
1215	8.120	1277	8.120	1339	8.120	1401	8.120	1463	8.120	1525	8.120	1587	8.120	1649	8.120
1216	8.120	1278	8.120	1340	8.120	1402	8.120	1464	8.120	1526	8.120	1588	8.120	1650	8.120
1217	8.120	1279	8.120	1341	8.120	1403	8.120	1465	8.120	1527	8.120	1589	8.120	1651	8.120
1218	8.120	1280	8.120	1342	8.120	1404	8.120	1466	8.120	1528	8.120	1590	8.120	1652	8.120
1219	8.120	1281	8.120	1343	8.120	1405	8.120	1467	8.120	1529	8.120	1591	8.120	1653	8.120
1220	8.120	1282	8.120	1344	8.120	1406	8.120	1468	8.120	1530	8.120	1592	8.120	1654	8.120
1221	8.120	1283	8.120	1345	8.120	1407	8.120	1469	8.120	1531	8.120	1593	8.120	1655	8.120
1222	8.120	1284	8.120	1346	8.120	1408	8.120	1470	8.120	1532	8.120	1594	8.120	1656	8.120
1223	8.120	1285	8.120	1347	8.120	1409	8.120	1471	8.120	1533	8.120	1595	8.120	1657	8.120
1224	8.120	1286	8.120	1348	8.120	1410	8.120	1472	8.120	1534	8.120	1596	8.120	1658	8.120
1225	8.120	1287	8.120	1349	8.120	1411	8.120	1473	8.120	1535	8.120	1597	8.120	1659	8.120
1226	8.120	1288	8.120	1350	8.120	1412	8.120	1474	8.120	1536	8.120	1598	8.120	1660	8.120
1227	8.120	1289	8.120	1351	8.120	1413	8.120	1475	8.120	1537	8.120	1599	8.120	1661	8.120
1228	8.120	1290	8.120	1352	8.120	1414	8.120	1476	8.120	1538	8.120	1600	8.120	1662	8.120
1229	8.120	1291	8.120	1353	8.120	1415	8.120	1477	8.120	1539	8.120	1601	8.120	1663	8.120
1230	8.120	1292	8.120	1354	8.120	1416	8.120	1478	8.120	1540	8.120	1602	8.120	1664	8.120
1231	8.120	1293	8.120	1355	8.120	1417	8.120	1479	8.120	1541	8.120	1603	8.120	1665	8.120
1232	8.120	1294	8.120	1356	8.120	1418	8.120	1480	8.120	1542	8.120	1604	8.120	1666	8.120
1233	8.120	1295	8.120	1357	8.120	1419	8.120	1481	8.120	1543	8.120	1605	8.120	1667	8.120
1234	8.120	1296	8.120	1358	8.120	1420	8.120	1482	8.120	1544	8.120	1606	8.120	1668	8.120
1235	8.120	1297	8.120	1359	8.120	1421	8.120	1483	8.120	1545	8.120	1607	8.120	1669	8.120
1236	8.120	1298	8.120	1360	8.120	1422	8.120	1484	8.120	1546	8.120	1608	8.120	1670	8.120
1237	8.120	1299	8.120	1361	8.120	1423	8.120	1485	8.120	1547	8.120	1609	8.120	1671	8.120
1238	8.120	1300	8.120	1362	8.120	1424	8.120	1486	8.120	1548	8.120	1610	8.120	1672	8.120
1239	8.120	1301	8.120	1363	8.120	1425	8.120	1487	8.120	1549	8.120	1611	8.120	1673	8.120
1240	8.120	1302	8.120	1364	8.120	1426	8.120	1488	8.120	1550	8.120	1612	8.120	1674	8.120
1241	8.120	1303	8.120	1365	8.120	1427	8.120	1489	8.120	1551	8.120	1613	8.120	1675	8.120
1242	8.120	1304	8.120	1366	8.120	1428	8.120	1490	8.120	1552	8.120	1614	8.120	1676	8.120
1243	8.120	1305	8.120	1367	8.120	1429	8.120	1491	8.120	1553	8.120	1615	8.120	1677	8.120
1244	8.120	1306	8.120	1368	8.120	1430	8.120	1492	8.120	1554	8.120	1616	8.120	1678	8.120
1245	8.120	1307	8.120	1369	8.120	1431	8.120	1493	8.120	1555	8.120	1617	8.120	1679	8.120
1246	8.120	1308	8.120	1370	8.120	1432	8.120	1494	8.120	1556	8.120	1618	8.120	1680	8.120
1247	8.120	1309	8.120	1371	8.120	1433	8.120	1495	8.120	1557	8.120	1619	8.120	1681	8.120
1248	8.120	1310	8.120	1372	8.120	1434	8.120	1496	8.120	1558	8.120	1620	8.120	1682	8.120
1249	8.120	1311	8.120	1373	8.120	1435	8.120	1497	8.120	1559	8.120	1621	8.120	1683	8.120
1250	8.120	1312	8.120	1374	8.120	1436	8.120	1498	8.120	1560	8.120	1622	8.120	1684	8.120
1251	8.120	1313	8.120	1375	8.120	1437	8.120	1499	8.120	1561	8.120	1623	8.120	1685	8.120
1252	8.120	1314	8.120	1376	8.120	1438	8.120	1500	8.120	1562	8.120	1624	8.120	1686	8.120
1253	8.120	1315	8.120	1377	8.120	1439	8.120	1501	8.120	1563	8.120	1625	8.120	1687	8.120
1254	8.120	1316	8.120	1378	8.120	1440	8.120	1502	8.120	1564	8.120	1626	8.120	1688	8.120
1255	8.120	1317	8.120	1379	8.120	1441	8.120	1503	8.120	1565	8.120	1627	8.120	1689	8.120
1256	8.120	1318	8.120	1380	8.120	1442	8.120	1504	8.120	1566	8.120	1628	8.120	1690	8.120
1257	8.120	1319	8.120	1381	8.120	1443	8.120	1505	8.120	1567	8.120	1629	8.120	1691	8.120
1258	8.120	1320	8.120	1382	8.120	1444	8.120	1506	8.120	1568	8.120	1630	8.120	1692	8.120
1259	8.120	1321	8.120	1383	8.120	1445	8.120	1507	8.120	1569	8.120	1631	8.120	1693	8.120

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Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-20

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1756	8.120	1818	8.120	1880	8.120	1942	8.120	2004	8.120	2066	8.120	2128	8.120	2190	8.120
1757	8.120	1819	8.120	1881	8.120	1943	8.120	2005	8.120	2067	8.120	2129	8.120	2191	8.120
1758	8.120	1820	8.120	1882	8.120	1944	8.120	2006	8.120	2068	8.120	2130	8.120	2192	8.120
1759	8.120	1821	8.120	1883	8.120	1945	8.120	2007	8.120	2069	8.120	2131	8.120	2193	8.120
1760	8.120	1822	8.120	1884	8.120	1946	8.120	2008	8.120	2070	8.120	2132	8.120	2194	8.120
1761	8.120	1823	8.120	1885	8.120	1947	8.120	2009	8.120	2071	8.120	2133	8.120	2195	8.120
1762	8.120	1824	8.120	1886	8.120	1948	8.120	2010	8.120	2072	8.120	2134	8.120	2196	8.120
1763	8.120	1825	8.120	1887	8.120	1949	8.120	2011	8.120	2073	8.120	2135	8.120	2197	8.120
1764	8.120	1826	8.120	1888	8.120	1950	8.120	2012	8.120	2074	8.120	2136	8.120	2198	8.120
1765	8.120	1827	8.120	1889	8.120	1951	8.120	2013	8.120	2075	8.120	2137	8.120	2199	8.120
1766	8.120	1828	8.120	1890	8.120	1952	8.120	2014	8.120	2076	8.120	2138	8.120	2200	8.120
1767	8.120	1829	8.120	1891	8.120	1953	8.120	2015	8.120	2077	8.120	2139	8.120	2201	8.120
1768	8.120	1830	8.120	1892	8.120	1954	8.120	2016	8.120	2078	8.120	2140	8.120	2202	8.120
1769	8.120	1831	8.120	1893	8.120	1955	8.120	2017	8.120	2079	8.120	2141	8.120	2203	8.120
1770	8.120	1832	8.120	1894	8.120	1956	8.120	2018	8.120	2080	8.120	2142	8.120	2204	8.120
1771	8.120	1833	8.120	1895	8.120	1957	8.120	2019	8.120	2081	8.120	2143	8.120	2205	8.120
1772	8.120	1834	8.120	1896	8.120	1958	8.120	2020	8.120	2082	8.120	2144	8.120	2206	8.120
1773	8.120	1835	8.120	1897	8.120	1959	8.120	2021	8.120	2083	8.120	2145	8.120	2207	8.120
1774	8.120	1836	8.120	1898	8.120	1960	8.120	2022	8.120	2084	8.120	2146	8.120	2208	8.120
1775	8.120	1837	8.120	1899	8.120	1961	8.120	2023	8.120	2085	8.120	2147	8.120	2209	8.120
1776	8.120	1838	8.120	1900	8.120	1962	8.120	2024	8.120	2086	8.120	2148	8.120	2210	8.120
1777	8.120	1839	8.120	1901	8.120	1963	8.120	2025	8.120	2087	8.120	2149	8.120	2211	8.120
1778	8.120	1840	8.120	1902	8.120	1964	8.120	2026	8.120	2088	8.120	2150	8.120	2212	8.120
1779	8.120	1841	8.120	1903	8.120	1965	8.120	2027	8.120	2089	8.120	2151	8.120	2213	8.120
1780	8.120	1842	8.120	1904	8.120	1966	8.120	2028	8.120	2090	8.120	2152	8.120	2214	8.120
1781	8.120	1843	8.120	1905	8.120	1967	8.120	2029	8.120	2091	8.120	2153	8.120	2215	8.120
1782	8.120	1844	8.120	1906	8.120	1968	8.120	2030	8.120	2092	8.120	2154	8.120	2216	8.120
1783	8.120	1845	8.120	1907	8.120	1969	8.120	2031	8.120	2093	8.120	2155	8.120	2217	8.120
1784	8.120	1846	8.120	1908	8.120	1970	8.120	2032	8.120	2094	8.120	2156	8.120	2218	8.120
1785	8.120	1847	8.120	1909	8.120	1971	8.120	2033	8.120	2095	8.120	2157	8.120	2219	8.120
1786	8.120	1848	8.120	1910	8.120	1972	8.120	2034	8.120	2096	8.120	2158	8.120	2220	8.120
1787	8.120	1849	8.120	1911	8.120	1973	8.120	2035	8.120	2097	8.120	2159	8.120	2221	8.120
1788	8.120	1850	8.120	1912	8.120	1974	8.120	2036	8.120	2098	8.120	2160	8.120	2222	8.120
1789	8.120	1851	8.120	1913	8.120	1975	8.120	2037	8.120	2099	8.120	2161	8.120	2223	8.120
1790	8.120	1852	8.120	1914	8.120	1976	8.120	2038	8.120	2100	8.120	2162	8.120	2224	8.120
1791	8.120	1853	8.120	1915	8.120	1977	8.120	2039	8.120	2101	8.120	2163	8.120	2225	8.120
1792	8.120	1854	8.120	1916	8.120	1978	8.120	2040	8.120	2102	8.120	2164	8.120	2226	8.120
1793	8.120	1855	8.120	1917	8.120	1979	8.120	2041	8.120	2103	8.120	2165	8.120	2227	8.120
1794	8.120	1856	8.120	1918	8.120	1980	8.120	2042	8.120	2104	8.120	2166	8.120	2228	8.120
1795	8.120	1857	8.120	1919	8.120	1981	8.120	2043	8.120	2105	8.120	2167	8.120	2229	8.120
1796	8.120	1858	8.120	1920	8.120	1982	8.120	2044	8.120	2106	8.120	2168	8.120	2230	8.120
1797	8.120	1859	8.120	1921	8.120	1983	8.120	2045	8.120	2107	8.120	2169	8.120	2231	8.120
1798	8.120	1860	8.120	1922	8.120	1984	8.120	2046	8.120	2108	8.120	2170	8.120	2232	8.120
1799	8.120	1861	8.120	1923	8.120	1985	8.120	2047	8.120	2109	8.120	2171	8.120	2233	8.120
1800	8.120	1862	8.120	1924	8.120	1986	8.120	2048	8.120	2110	8.120	2172	8.120	2234	8.120
1801	8.120	1863	8.120	1925	8.120	1987	8.120	2049	8.120	2111	8.120	2173	8.120	2235	8.120
1802	8.120	1864	8.120	1926	8.120	1988	8.120	2050	8.120	2112	8.120	2174	8.120	2236	8.120
1803	8.120	1865	8.120	1927	8.120	1989	8.120	2051	8.120	2113	8.120	2175	8.120	2237	8.120
1804	8.120	1866	8.120	1928	8.120	1990	8.120	2052	8.120	2114	8.120	2176	8.120	2238	8.120
1805	8.120	1867	8.120	1929	8.120	1991	8.120	2053	8.120	2115	8.120	2177	8.120	2239	8.120
1806	8.120	1868	8.120	1930	8.120	1992	8.120	2054	8.120	2116	8.120	2178	8.120	2240	8.120
1807	8.120	1869	8.120	1931	8.120	1993	8.120	2055	8.120	2117	8.120	2179	8.120	2241	8.120
1808	8.120	1870	8.120	1932	8.120	1994	8.120	2056	8.120	2118	8.120	2180	8.120	2242	8.120
1809	8.120	1871	8.120	1933	8.120	1995	8.120	2057	8.120	2119	8.120	2181	8.120	2243	8.120
1810	8.120	1872	8.120	1934	8.120	1996	8.120	2058	8.120	2120	8.120	2182	8.120	2244	8.120
1811	8.120	1873	8.120	1935	8.120	1997	8.120	2059	8.120	2121	8.120	2183	8.120	2245	8.120
1812	8.120	1874	8.120	1936	8.120	1998	8.120	2060	8.120	2122	8.120	2184	8.120	2246	8.120
1813	8.120	1875	8.120	1937	8.120	1999	8.120	2061	8.120	2123	8.120	2185	8.120	2247	8.120
1814	8.120	1876	8.120	1938	8.120	2000	8.120	2062	8.120	2124	8.120	2186	8.120	2248	8.120
1815	8.120	1877	8.120	1939	8.120	2001	8.120	2063	8.120	2125	8.120	2187	8.120	2249	8.120
1816	8.120	1878	8.120	1940	8.120	2002	8.120	2064	8.120	2126	8.120	2188	8.120	2250	8.120
1817	8.120	1879	8.120	1941	8.120	2003	8.120	2065	8.120	2127	8.120	2189	8.120	2251	8.120

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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2314	8.120	2376	8.120	2438	8.120	2500	8.120	2562	8.120	2624	8.120	2686	8.120	2748	8.120
2315	8.120	2377	8.120	2439	8.120	2501	8.120	2563	8.120	2625	8.120	2687	8.120	2749	8.120
2316	8.120	2378	8.120	2440	8.120	2502	8.120	2564	8.120	2626	8.120	2688	8.120	2750	8.120
2317	8.120	2379	8.120	2441	8.120	2503	8.120	2565	8.120	2627	8.120	2689	8.120	2751	8.120
2318	8.120	2380	8.120	2442	8.120	2504	8.120	2566	8.120	2628	8.120	2690	8.120	2752	8.120
2319	8.120	2381	8.120	2443	8.120	2505	8.120	2567	8.120	2629	8.120	2691	8.120	2753	8.120
2320	8.120	2382	8.120	2444	8.120	2506	8.120	2568	8.120	2630	8.120	2692	8.120	2754	8.120
2321	8.120	2383	8.120	2445	8.120	2507	8.120	2569	8.120	2631	8.120	2693	8.120	2755	8.120
2322	8.120	2384	8.120	2446	8.120	2508	8.120	2570	8.120	2632	8.120	2694	8.120	2756	8.120
2323	8.120	2385	8.120	2447	8.120	2509	8.120	2571	8.120	2633	8.120	2695	8.120	2757	8.120
2324	8.120	2386	8.120	2448	8.120	2510	8.120	2572	8.120	2634	8.120	2696	8.120	2758	8.120
2325	8.120	2387	8.120	2449	8.120	2511	8.120	2573	8.120	2635	8.120	2697	8.120	2759	8.120
2326	8.120	2388	8.120	2450	8.120	2512	8.120	2574	8.120	2636	8.120	2698	8.120	2760	8.120
2327	8.120	2389	8.120	2451	8.120	2513	8.120	2575	8.120	2637	8.120	2699	8.120	2761	8.120
2328	8.120	2390	8.120	2452	8.120	2514	8.120	2576	8.120	2638	8.120	2700	8.120	2762	8.120
2329	8.120	2391	8.120	2453	8.120	2515	8.120	2577	8.120	2639	8.120	2701	8.120	2763	8.120
2330	8.120	2392	8.120	2454	8.120	2516	8.120	2578	8.120	2640	8.120	2702	8.120	2764	8.120
2331	8.120	2393	8.120	2455	8.120	2517	8.120	2579	8.120	2641	8.120	2703	8.120	2765	8.120
2332	8.120	2394	8.120	2456	8.120	2518	8.120	2580	8.120	2642	8.120	2704	8.120	2766	8.120
2333	8.120	2395	8.120	2457	8.120	2519	8.120	2581	8.120	2643	8.120	2705	8.120	2767	8.120
2334	8.120	2396	8.120	2458	8.120	2520	8.120	2582	8.120	2644	8.120	2706	8.120	2768	8.120
2335	8.120	2397	8.120	2459	8.120	2521	8.120	2583	8.120	2645	8.120	2707	8.120	2769	8.120
2336	8.120	2398	8.120	2460	8.120	2522	8.120	2584	8.120	2646	8.120	2708	8.120	2770	8.120
2337	8.120	2399	8.120	2461	8.120	2523	8.120	2585	8.120	2647	8.120	2709	8.120	2771	8.120
2338	8.120	2400	8.120	2462	8.120	2524	8.120	2586	8.120	2648	8.120	2710	8.120	2772	8.120
2339	8.120	2401	8.120	2463	8.120	2525	8.120	2587	8.120	2649	8.120	2711	8.120	2773	8.120
2340	8.120	2402	8.120	2464	8.120	2526	8.120	2588	8.120	2650	8.120	2712	8.120	2774	8.120
2341	8.120	2403	8.120	2465	8.120	2527	8.120	2589	8.120	2651	8.120	2713	8.120	2775	8.120
2342	8.120	2404	8.120	2466	8.120	2528	8.120	2590	8.120	2652	8.120	2714	8.120	2776	8.120
2343	8.120	2405	8.120	2467	8.120	2529	8.120	2591	8.120	2653	8.120	2715	8.120	2777	8.120
2344	8.120	2406	8.120	2468	8.120	2530	8.120	2592	8.120	2654	8.120	2716	8.120	2778	8.120
2345	8.120	2407	8.120	2469	8.120	2531	8.120	2593	8.120	2655	8.120	2717	8.120	2779	8.120
2346	8.120	2408	8.120	2470	8.120	2532	8.120	2594	8.120	2656	8.120	2718	8.120	2780	8.120
2347	8.120	2409	8.120	2471	8.120	2533	8.120	2595	8.120	2657	8.120	2719	8.120	2781	8.120
2348	8.120	2410	8.120	2472	8.120	2534	8.120	2596	8.120	2658	8.120	2720	8.120	2782	8.120
2349	8.120	2411	8.120	2473	8.120	2535	8.120	2597	8.120	2659	8.120	2721	8.120	2783	8.120
2350	8.120	2412	8.120	2474	8.120	2536	8.120	2598	8.120	2660	8.120	2722	8.120	2784	8.120
2351	8.120	2413	8.120	2475	8.120	2537	8.120	2599	8.120	2661	8.120	2723	8.120	2785	8.120
2352	8.120	2414	8.120	2476	8.120	2538	8.120	2600	8.120	2662	8.120	2724	8.120	2786	8.120
2353	8.120	2415	8.120	2477	8.120	2539	8.120	2601	8.120	2663	8.120	2725	8.120	2787	8.120
2354	8.120	2416	8.120	2478	8.120	2540	8.120	2602	8.120	2664	8.120	2726	8.120	2788	8.120
2355	8.120	2417	8.120	2479	8.120	2541	8.120	2603	8.120	2665	8.120	2727	8.120	2789	8.120
2356	8.120	2418	8.120	2480	8.120	2542	8.120	2604	8.120	2666	8.120	2728	8.120	2790	8.120
2357	8.120	2419	8.120	2481	8.120	2543	8.120	2605	8.120	2667	8.120	2729	8.120	2791	8.120
2358	8.120	2420	8.120	2482	8.120	2544	8.120	2606	8.120	2668	8.120	2730	8.120	2792	8.120
2359	8.120	2421	8.120	2483	8.120	2545	8.120	2607	8.120	2669	8.120	2731	8.120	2793	8.120
2360	8.120	2422	8.120	2484	8.120	2546	8.120	2608	8.120	2670	8.120	2732	8.120	2794	8.120
2361	8.120	2423	8.120	2485	8.120	2547	8.120	2609	8.120	2671	8.120	2733	8.120	2795	8.120
2362	8.120	2424	8.120	2486	8.120	2548	8.120	2610	8.120	2672	8.120	2734	8.120	2796	8.120
2363	8.120	2425	8.120	2487	8.120	2549	8.120	2611	8.120	2673	8.120	2735	8.120	2797	8.120
2364	8.120	2426	8.120	2488	8.120	2550	8.120	2612	8.120	2674	8.120	2736	8.120	2798	8.120
2365	8.120	2427	8.120	2489	8.120	2551	8.120	2613	8.120	2675	8.120	2737	8.120	2799	8.120
2366	8.120	2428	8.120	2490	8.120	2552	8.120	2614	8.120	2676	8.120	2738	8.120	2800	8.120
2367	8.120	2429	8.120	2491	8.120	2553	8.120	2615	8.120	2677	8.120	2739	8.120	2801	8.120
2368	8.120	2430	8.120	2492	8.120	2554	8.120	2616	8.120	2678	8.120	2740	8.120	2802	8.120
2369	8.120	2431	8.120	2493	8.120	2555	8.120	2617	8.120	2679	8.120	2741	8.120	2803	8.120
2370	8.120	2432	8.120	2494	8.120	2556	8.120	2618	8.120	2680	8.120	2742	8.120	2804	8.120
2371	8.120	2433	8.120	2495	8.120	2557	8.120	2619	8.120	2681	8.120	2743	8.120	2805	8.120
2372	8.120	2434	8.120	2496	8.120	2558	8.120	2620	8.120	2682	8.120	2744	8.120	2806	8.120
2373	8.120	2435	8.120	2497	8.120	2559	8.120	2621	8.120	2683	8.120	2745	8.120	2807	8.120
2374	8.120	2436	8.120	2498	8.120	2560	8.120	2622	8.120	2684	8.120	2746	8.120	2808	8.120
2375	8.120	2437	8.120	2499	8.120	2561	8.120	2623	8.120	2685	8.120	2747	8.120	2809	8.120

Sizewell Link Road  
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SLR-AB-20



Date 30/09/2021  
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Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-20

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2872	8.120	2934	8.120	2996	8.120	3058	8.120	3120	8.120	3182	8.120	3244	8.120	3306	8.120
2873	8.120	2935	8.120	2997	8.120	3059	8.120	3121	8.120	3183	8.120	3245	8.120	3307	8.120
2874	8.120	2936	8.120	2998	8.120	3060	8.120	3122	8.120	3184	8.120	3246	8.120	3308	8.120
2875	8.120	2937	8.120	2999	8.120	3061	8.120	3123	8.120	3185	8.120	3247	8.120	3309	8.120
2876	8.120	2938	8.120	3000	8.120	3062	8.120	3124	8.120	3186	8.120	3248	8.120	3310	8.120
2877	8.120	2939	8.120	3001	8.120	3063	8.120	3125	8.120	3187	8.120	3249	8.120	3311	8.120
2878	8.120	2940	8.120	3002	8.120	3064	8.120	3126	8.120	3188	8.120	3250	8.120	3312	8.120
2879	8.120	2941	8.120	3003	8.120	3065	8.120	3127	8.120	3189	8.120	3251	8.120	3313	8.120
2880	8.120	2942	8.120	3004	8.120	3066	8.120	3128	8.120	3190	8.120	3252	8.120	3314	8.120
2881	8.120	2943	8.120	3005	8.120	3067	8.120	3129	8.120	3191	8.120	3253	8.120	3315	8.120
2882	8.120	2944	8.120	3006	8.120	3068	8.120	3130	8.120	3192	8.120	3254	8.120	3316	8.120
2883	8.120	2945	8.120	3007	8.120	3069	8.120	3131	8.120	3193	8.120	3255	8.120	3317	8.120
2884	8.120	2946	8.120	3008	8.120	3070	8.120	3132	8.120	3194	8.120	3256	8.120	3318	8.120
2885	8.120	2947	8.120	3009	8.120	3071	8.120	3133	8.120	3195	8.120	3257	8.120	3319	8.120
2886	8.120	2948	8.120	3010	8.120	3072	8.120	3134	8.120	3196	8.120	3258	8.120	3320	8.120
2887	8.120	2949	8.120	3011	8.120	3073	8.120	3135	8.120	3197	8.120	3259	8.120	3321	8.120
2888	8.120	2950	8.120	3012	8.120	3074	8.120	3136	8.120	3198	8.120	3260	8.120	3322	8.120
2889	8.120	2951	8.120	3013	8.120	3075	8.120	3137	8.120	3199	8.120	3261	8.120	3323	8.120
2890	8.120	2952	8.120	3014	8.120	3076	8.120	3138	8.120	3200	8.120	3262	8.120	3324	8.120
2891	8.120	2953	8.120	3015	8.120	3077	8.120	3139	8.120	3201	8.120	3263	8.120	3325	8.120
2892	8.120	2954	8.120	3016	8.120	3078	8.120	3140	8.120	3202	8.120	3264	8.120	3326	8.120
2893	8.120	2955	8.120	3017	8.120	3079	8.120	3141	8.120	3203	8.120	3265	8.120	3327	8.120
2894	8.120	2956	8.120	3018	8.120	3080	8.120	3142	8.120	3204	8.120	3266	8.120	3328	8.120
2895	8.120	2957	8.120	3019	8.120	3081	8.120	3143	8.120	3205	8.120	3267	8.120	3329	8.120
2896	8.120	2958	8.120	3020	8.120	3082	8.120	3144	8.120	3206	8.120	3268	8.120	3330	8.120
2897	8.120	2959	8.120	3021	8.120	3083	8.120	3145	8.120	3207	8.120	3269	8.120	3331	8.120
2898	8.120	2960	8.120	3022	8.120	3084	8.120	3146	8.120	3208	8.120	3270	8.120	3332	8.120
2899	8.120	2961	8.120	3023	8.120	3085	8.120	3147	8.120	3209	8.120	3271	8.120	3333	8.120
2900	8.120	2962	8.120	3024	8.120	3086	8.120	3148	8.120	3210	8.120	3272	8.120	3334	8.120
2901	8.120	2963	8.120	3025	8.120	3087	8.120	3149	8.120	3211	8.120	3273	8.120	3335	8.120
2902	8.120	2964	8.120	3026	8.120	3088	8.120	3150	8.120	3212	8.120	3274	8.120	3336	8.120
2903	8.120	2965	8.120	3027	8.120	3089	8.120	3151	8.120	3213	8.120	3275	8.120	3337	8.120
2904	8.120	2966	8.120	3028	8.120	3090	8.120	3152	8.120	3214	8.120	3276	8.120	3338	8.120
2905	8.120	2967	8.120	3029	8.120	3091	8.120	3153	8.120	3215	8.120	3277	8.120	3339	8.120
2906	8.120	2968	8.120	3030	8.120	3092	8.120	3154	8.120	3216	8.120	3278	8.120	3340	8.120
2907	8.120	2969	8.120	3031	8.120	3093	8.120	3155	8.120	3217	8.120	3279	8.120	3341	8.120
2908	8.120	2970	8.120	3032	8.120	3094	8.120	3156	8.120	3218	8.120	3280	8.120	3342	8.120
2909	8.120	2971	8.120	3033	8.120	3095	8.120	3157	8.120	3219	8.120	3281	8.120	3343	8.120
2910	8.120	2972	8.120	3034	8.120	3096	8.120	3158	8.120	3220	8.120	3282	8.120	3344	8.120
2911	8.120	2973	8.120	3035	8.120	3097	8.120	3159	8.120	3221	8.120	3283	8.120	3345	8.120
2912	8.120	2974	8.120	3036	8.120	3098	8.120	3160	8.120	3222	8.120	3284	8.120	3346	8.120
2913	8.120	2975	8.120	3037	8.120	3099	8.120	3161	8.120	3223	8.120	3285	8.120	3347	8.120
2914	8.120	2976	8.120	3038	8.120	3100	8.120	3162	8.120	3224	8.120	3286	8.120	3348	8.120
2915	8.120	2977	8.120	3039	8.120	3101	8.120	3163	8.120	3225	8.120	3287	8.120	3349	8.120
2916	8.120	2978	8.120	3040	8.120	3102	8.120	3164	8.120	3226	8.120	3288	8.120	3350	8.120
2917	8.120	2979	8.120	3041	8.120	3103	8.120	3165	8.120	3227	8.120	3289	8.120	3351	8.120
2918	8.120	2980	8.120	3042	8.120	3104	8.120	3166	8.120	3228	8.120	3290	8.120	3352	8.120
2919	8.120	2981	8.120	3043	8.120	3105	8.120	3167	8.120	3229	8.120	3291	8.120	3353	8.120
2920	8.120	2982	8.120	3044	8.120	3106	8.120	3168	8.120	3230	8.120	3292	8.120	3354	8.120
2921	8.120	2983	8.120	3045	8.120	3107	8.120	3169	8.120	3231	8.120	3293	8.120	3355	8.120
2922	8.120	2984	8.120	3046	8.120	3108	8.120	3170	8.120	3232	8.120	3294	8.120	3356	8.120
2923	8.120	2985	8.120	3047	8.120	3109	8.120	3171	8.120	3233	8.120	3295	8.120	3357	8.120
2924	8.120	2986	8.120	3048	8.120	3110	8.120	3172	8.120	3234	8.120	3296	8.120	3358	8.120
2925	8.120	2987	8.120	3049	8.120	3111	8.120	3173	8.120	3235	8.120	3297	8.120	3359	8.120
2926	8.120	2988	8.120	3050	8.120	3112	8.120	3174	8.120	3236	8.120	3298	8.120	3360	8.120
2927	8.120	2989	8.120	3051	8.120	3113	8.120	3175	8.120	3237	8.120	3299	8.120	3361	8.120
2928	8.120	2990	8.120	3052	8.120	3114	8.120	3176	8.120	3238	8.120	3300	8.120	3362	8.120
2929	8.120	2991	8.120	3053	8.120	3115	8.120	3177	8.120	3239	8.120	3301	8.120	3363	8.120
2930	8.120	2992	8.120	3054	8.120	3116	8.120	3178	8.120	3240	8.120	3302	8.120	3364	8.120
2931	8.120	2993	8.120	3055	8.120	3117	8.120	3179	8.120	3241	8.120	3303	8.120	3365	8.120
2932	8.120	2994	8.120	3056	8.120	3118	8.120	3180	8.120	3242	8.120	3304	8.120	3366	8.120
2933	8.120	2995	8.120	3057	8.120	3119	8.120	3181	8.120	3243	8.120	3305	8.120	3367	8.120

Sizewell Link Road  
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Designed by Daniel James  
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XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-20

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3430	8.120	3492	8.120	3554	8.120	3616	8.120	3678	8.120	3740	8.120	3802	8.120	3864	8.120
3431	8.120	3493	8.120	3555	8.120	3617	8.120	3679	8.120	3741	8.120	3803	8.120	3865	8.120
3432	8.120	3494	8.120	3556	8.120	3618	8.120	3680	8.120	3742	8.120	3804	8.120	3866	8.120
3433	8.120	3495	8.120	3557	8.120	3619	8.120	3681	8.120	3743	8.120	3805	8.120	3867	8.120
3434	8.120	3496	8.120	3558	8.120	3620	8.120	3682	8.120	3744	8.120	3806	8.120	3868	8.120
3435	8.120	3497	8.120	3559	8.120	3621	8.120	3683	8.120	3745	8.120	3807	8.120	3869	8.120
3436	8.120	3498	8.120	3560	8.120	3622	8.120	3684	8.120	3746	8.120	3808	8.120	3870	8.120
3437	8.120	3499	8.120	3561	8.120	3623	8.120	3685	8.120	3747	8.120	3809	8.120	3871	8.120
3438	8.120	3500	8.120	3562	8.120	3624	8.120	3686	8.120	3748	8.120	3810	8.120	3872	8.120
3439	8.120	3501	8.120	3563	8.120	3625	8.120	3687	8.120	3749	8.120	3811	8.120	3873	8.120
3440	8.120	3502	8.120	3564	8.120	3626	8.120	3688	8.120	3750	8.120	3812	8.120	3874	8.120
3441	8.120	3503	8.120	3565	8.120	3627	8.120	3689	8.120	3751	8.120	3813	8.120	3875	8.120
3442	8.120	3504	8.120	3566	8.120	3628	8.120	3690	8.120	3752	8.120	3814	8.120	3876	8.120
3443	8.120	3505	8.120	3567	8.120	3629	8.120	3691	8.120	3753	8.120	3815	8.120	3877	8.120
3444	8.120	3506	8.120	3568	8.120	3630	8.120	3692	8.120	3754	8.120	3816	8.120	3878	8.120
3445	8.120	3507	8.120	3569	8.120	3631	8.120	3693	8.120	3755	8.120	3817	8.120	3879	8.120
3446	8.120	3508	8.120	3570	8.120	3632	8.120	3694	8.120	3756	8.120	3818	8.120	3880	8.120
3447	8.120	3509	8.120	3571	8.120	3633	8.120	3695	8.120	3757	8.120	3819	8.120	3881	8.120
3448	8.120	3510	8.120	3572	8.120	3634	8.120	3696	8.120	3758	8.120	3820	8.120	3882	8.120
3449	8.120	3511	8.120	3573	8.120	3635	8.120	3697	8.120	3759	8.120	3821	8.120	3883	8.120
3450	8.120	3512	8.120	3574	8.120	3636	8.120	3698	8.120	3760	8.120	3822	8.120	3884	8.120
3451	8.120	3513	8.120	3575	8.120	3637	8.120	3699	8.120	3761	8.120	3823	8.120	3885	8.120
3452	8.120	3514	8.120	3576	8.120	3638	8.120	3700	8.120	3762	8.120	3824	8.120	3886	8.120
3453	8.120	3515	8.120	3577	8.120	3639	8.120	3701	8.120	3763	8.120	3825	8.120	3887	8.120
3454	8.120	3516	8.120	3578	8.120	3640	8.120	3702	8.120	3764	8.120	3826	8.120	3888	8.120
3455	8.120	3517	8.120	3579	8.120	3641	8.120	3703	8.120	3765	8.120	3827	8.120	3889	8.120
3456	8.120	3518	8.120	3580	8.120	3642	8.120	3704	8.120	3766	8.120	3828	8.120	3890	8.120
3457	8.120	3519	8.120	3581	8.120	3643	8.120	3705	8.120	3767	8.120	3829	8.120	3891	8.120
3458	8.120	3520	8.120	3582	8.120	3644	8.120	3706	8.120	3768	8.120	3830	8.120	3892	8.120
3459	8.120	3521	8.120	3583	8.120	3645	8.120	3707	8.120	3769	8.120	3831	8.120	3893	8.120
3460	8.120	3522	8.120	3584	8.120	3646	8.120	3708	8.120	3770	8.120	3832	8.120	3894	8.120
3461	8.120	3523	8.120	3585	8.120	3647	8.120	3709	8.120	3771	8.120	3833	8.120	3895	8.120
3462	8.120	3524	8.120	3586	8.120	3648	8.120	3710	8.120	3772	8.120	3834	8.120	3896	8.120
3463	8.120	3525	8.120	3587	8.120	3649	8.120	3711	8.120	3773	8.120	3835	8.120	3897	8.120
3464	8.120	3526	8.120	3588	8.120	3650	8.120	3712	8.120	3774	8.120	3836	8.120	3898	8.120
3465	8.120	3527	8.120	3589	8.120	3651	8.120	3713	8.120	3775	8.120	3837	8.120	3899	8.120
3466	8.120	3528	8.120	3590	8.120	3652	8.120	3714	8.120	3776	8.120	3838	8.120	3900	8.120
3467	8.120	3529	8.120	3591	8.120	3653	8.120	3715	8.120	3777	8.120	3839	8.120	3901	8.120
3468	8.120	3530	8.120	3592	8.120	3654	8.120	3716	8.120	3778	8.120	3840	8.120	3902	8.120
3469	8.120	3531	8.120	3593	8.120	3655	8.120	3717	8.120	3779	8.120	3841	8.120	3903	8.120
3470	8.120	3532	8.120	3594	8.120	3656	8.120	3718	8.120	3780	8.120	3842	8.120	3904	8.120
3471	8.120	3533	8.120	3595	8.120	3657	8.120	3719	8.120	3781	8.120	3843	8.120	3905	8.120
3472	8.120	3534	8.120	3596	8.120	3658	8.120	3720	8.120	3782	8.120	3844	8.120	3906	8.120
3473	8.120	3535	8.120	3597	8.120	3659	8.120	3721	8.120	3783	8.120	3845	8.120	3907	8.120
3474	8.120	3536	8.120	3598	8.120	3660	8.120	3722	8.120	3784	8.120	3846	8.120	3908	8.120
3475	8.120	3537	8.120	3599	8.120	3661	8.120	3723	8.120	3785	8.120	3847	8.120	3909	8.120
3476	8.120	3538	8.120	3600	8.120	3662	8.120	3724	8.120	3786	8.120	3848	8.120	3910	8.120
3477	8.120	3539	8.120	3601	8.120	3663	8.120	3725	8.120	3787	8.120	3849	8.120	3911	8.120
3478	8.120	3540	8.120	3602	8.120	3664	8.120	3726	8.120	3788	8.120	3850	8.120	3912	8.120
3479	8.120	3541	8.120	3603	8.120	3665	8.120	3727	8.120	3789	8.120	3851	8.120	3913	8.120
3480	8.120	3542	8.120	3604	8.120	3666	8.120	3728	8.120	3790	8.120	3852	8.120	3914	8.120
3481	8.120	3543	8.120	3605	8.120	3667	8.120	3729	8.120	3791	8.120	3853	8.120	3915	8.120
3482	8.120	3544	8.120	3606	8.120	3668	8.120	3730	8.120	3792	8.120	3854	8.120	3916	8.120
3483	8.120	3545	8.120	3607	8.120	3669	8.120	3731	8.120	3793	8.120	3855	8.120	3917	8.120
3484	8.120	3546	8.120	3608	8.120	3670	8.120	3732	8.120	3794	8.120	3856	8.120	3918	8.120
3485	8.120	3547	8.120	3609	8.120	3671	8.120	3733	8.120	3795	8.120	3857	8.120	3919	8.120
3486	8.120	3548	8.120	3610	8.120	3672	8.120	3734	8.120	3796	8.120	3858	8.120	3920	8.120
3487	8.120	3549	8.120	3611	8.120	3673	8.120	3735	8.120	3797	8.120	3859	8.120	3921	8.120
3488	8.120	3550	8.120	3612	8.120	3674	8.120	3736	8.120	3798	8.120	3860	8.120	3922	8.120
3489	8.120	3551	8.120	3613	8.120	3675	8.120	3737	8.120	3799	8.120	3861	8.120	3923	8.120
3490	8.120	3552	8.120	3614	8.120	3676	8.120	3738	8.120	3800	8.120	3862	8.120	3924	8.120
3491	8.120	3553	8.120	3615	8.120	3677	8.120	3739	8.120	3801	8.120	3863	8.120	3925	8.120



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Designed by Daniel James  
 Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-20

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3988	8.120	4050	8.120	4112	8.120	4174	8.120	4236	8.120	4298	8.120	4360	8.120	4422	8.120
3989	8.120	4051	8.120	4113	8.120	4175	8.120	4237	8.120	4299	8.120	4361	8.120	4423	8.120
3990	8.120	4052	8.120	4114	8.120	4176	8.120	4238	8.120	4300	8.120	4362	8.120	4424	8.120
3991	8.120	4053	8.120	4115	8.120	4177	8.120	4239	8.120	4301	8.120	4363	8.120	4425	8.120
3992	8.120	4054	8.120	4116	8.120	4178	8.120	4240	8.120	4302	8.120	4364	8.120	4426	8.120
3993	8.120	4055	8.120	4117	8.120	4179	8.120	4241	8.120	4303	8.120	4365	8.120	4427	8.120
3994	8.120	4056	8.120	4118	8.120	4180	8.120	4242	8.120	4304	8.120	4366	8.120	4428	8.120
3995	8.120	4057	8.120	4119	8.120	4181	8.120	4243	8.120	4305	8.120	4367	8.120	4429	8.120
3996	8.120	4058	8.120	4120	8.120	4182	8.120	4244	8.120	4306	8.120	4368	8.120	4430	8.120
3997	8.120	4059	8.120	4121	8.120	4183	8.120	4245	8.120	4307	8.120	4369	8.120	4431	8.120
3998	8.120	4060	8.120	4122	8.120	4184	8.120	4246	8.120	4308	8.120	4370	8.120	4432	8.120
3999	8.120	4061	8.120	4123	8.120	4185	8.120	4247	8.120	4309	8.120	4371	8.120	4433	8.120
4000	8.120	4062	8.120	4124	8.120	4186	8.120	4248	8.120	4310	8.120	4372	8.120	4434	8.120
4001	8.120	4063	8.120	4125	8.120	4187	8.120	4249	8.120	4311	8.120	4373	8.120	4435	8.120
4002	8.120	4064	8.120	4126	8.120	4188	8.120	4250	8.120	4312	8.120	4374	8.120	4436	8.120
4003	8.120	4065	8.120	4127	8.120	4189	8.120	4251	8.120	4313	8.120	4375	8.120	4437	8.120
4004	8.120	4066	8.120	4128	8.120	4190	8.120	4252	8.120	4314	8.120	4376	8.120	4438	8.120
4005	8.120	4067	8.120	4129	8.120	4191	8.120	4253	8.120	4315	8.120	4377	8.120	4439	8.120
4006	8.120	4068	8.120	4130	8.120	4192	8.120	4254	8.120	4316	8.120	4378	8.120	4440	8.120
4007	8.120	4069	8.120	4131	8.120	4193	8.120	4255	8.120	4317	8.120	4379	8.120	4441	8.120
4008	8.120	4070	8.120	4132	8.120	4194	8.120	4256	8.120	4318	8.120	4380	8.120	4442	8.120
4009	8.120	4071	8.120	4133	8.120	4195	8.120	4257	8.120	4319	8.120	4381	8.120	4443	8.120
4010	8.120	4072	8.120	4134	8.120	4196	8.120	4258	8.120	4320	8.120	4382	8.120	4444	8.120
4011	8.120	4073	8.120	4135	8.120	4197	8.120	4259	8.120	4321	8.120	4383	8.120	4445	8.120
4012	8.120	4074	8.120	4136	8.120	4198	8.120	4260	8.120	4322	8.120	4384	8.120	4446	8.120
4013	8.120	4075	8.120	4137	8.120	4199	8.120	4261	8.120	4323	8.120	4385	8.120	4447	8.120
4014	8.120	4076	8.120	4138	8.120	4200	8.120	4262	8.120	4324	8.120	4386	8.120	4448	8.120
4015	8.120	4077	8.120	4139	8.120	4201	8.120	4263	8.120	4325	8.120	4387	8.120	4449	8.120
4016	8.120	4078	8.120	4140	8.120	4202	8.120	4264	8.120	4326	8.120	4388	8.120	4450	8.120
4017	8.120	4079	8.120	4141	8.120	4203	8.120	4265	8.120	4327	8.120	4389	8.120	4451	8.120
4018	8.120	4080	8.120	4142	8.120	4204	8.120	4266	8.120	4328	8.120	4390	8.120	4452	8.120
4019	8.120	4081	8.120	4143	8.120	4205	8.120	4267	8.120	4329	8.120	4391	8.120	4453	8.120
4020	8.120	4082	8.120	4144	8.120	4206	8.120	4268	8.120	4330	8.120	4392	8.120	4454	8.120
4021	8.120	4083	8.120	4145	8.120	4207	8.120	4269	8.120	4331	8.120	4393	8.120	4455	8.120
4022	8.120	4084	8.120	4146	8.120	4208	8.120	4270	8.120	4332	8.120	4394	8.120	4456	8.120
4023	8.120	4085	8.120	4147	8.120	4209	8.120	4271	8.120	4333	8.120	4395	8.120	4457	8.120
4024	8.120	4086	8.120	4148	8.120	4210	8.120	4272	8.120	4334	8.120	4396	8.120	4458	8.120
4025	8.120	4087	8.120	4149	8.120	4211	8.120	4273	8.120	4335	8.120	4397	8.120	4459	8.120
4026	8.120	4088	8.120	4150	8.120	4212	8.120	4274	8.120	4336	8.120	4398	8.120	4460	8.120
4027	8.120	4089	8.120	4151	8.120	4213	8.120	4275	8.120	4337	8.120	4399	8.120	4461	8.120
4028	8.120	4090	8.120	4152	8.120	4214	8.120	4276	8.120	4338	8.120	4400	8.120	4462	8.120
4029	8.120	4091	8.120	4153	8.120	4215	8.120	4277	8.120	4339	8.120	4401	8.120	4463	8.120
4030	8.120	4092	8.120	4154	8.120	4216	8.120	4278	8.120	4340	8.120	4402	8.120	4464	8.120
4031	8.120	4093	8.120	4155	8.120	4217	8.120	4279	8.120	4341	8.120	4403	8.120	4465	8.120
4032	8.120	4094	8.120	4156	8.120	4218	8.120	4280	8.120	4342	8.120	4404	8.120	4466	8.120
4033	8.120	4095	8.120	4157	8.120	4219	8.120	4281	8.120	4343	8.120	4405	8.120	4467	8.120
4034	8.120	4096	8.120	4158	8.120	4220	8.120	4282	8.120	4344	8.120	4406	8.120	4468	8.120
4035	8.120	4097	8.120	4159	8.120	4221	8.120	4283	8.120	4345	8.120	4407	8.120	4469	8.120
4036	8.120	4098	8.120	4160	8.120	4222	8.120	4284	8.120	4346	8.120	4408	8.120	4470	8.120
4037	8.120	4099	8.120	4161	8.120	4223	8.120	4285	8.120	4347	8.120	4409	8.120	4471	8.120
4038	8.120	4100	8.120	4162	8.120	4224	8.120	4286	8.120	4348	8.120	4410	8.120	4472	8.120
4039	8.120	4101	8.120	4163	8.120	4225	8.120	4287	8.120	4349	8.120	4411	8.120	4473	8.120
4040	8.120	4102	8.120	4164	8.120	4226	8.120	4288	8.120	4350	8.120	4412	8.120	4474	8.120
4041	8.120	4103	8.120	4165	8.120	4227	8.120	4289	8.120	4351	8.120	4413	8.120	4475	8.120
4042	8.120	4104	8.120	4166	8.120	4228	8.120	4290	8.120	4352	8.120	4414	8.120	4476	8.120
4043	8.120	4105	8.120	4167	8.120	4229	8.120	4291	8.120	4353	8.120	4415	8.120	4477	8.120
4044	8.120	4106	8.120	4168	8.120	4230	8.120	4292	8.120	4354	8.120	4416	8.120	4478	8.120
4045	8.120	4107	8.120	4169	8.120	4231	8.120	4293	8.120	4355	8.120	4417	8.120	4479	8.120
4046	8.120	4108	8.120	4170	8.120	4232	8.120	4294	8.120	4356	8.120	4418	8.120	4480	8.120
4047	8.120	4109	8.120	4171	8.120	4233	8.120	4295	8.120	4357	8.120	4419	8.120	4481	8.120
4048	8.120	4110	8.120	4172	8.120	4234	8.120	4296	8.120	4358	8.120	4420	8.120	4482	8.120
4049	8.120	4111	8.120	4173	8.120	4235	8.120	4297	8.120	4359	8.120	4421	8.120	4483	8.120



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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4546	8.120	4608	8.120	4670	8.120	4732	8.120	4794	8.120	4856	8.120	4918	8.120	4980	8.120
4547	8.120	4609	8.120	4671	8.120	4733	8.120	4795	8.120	4857	8.120	4919	8.120	4981	8.120
4548	8.120	4610	8.120	4672	8.120	4734	8.120	4796	8.120	4858	8.120	4920	8.120	4982	8.120
4549	8.120	4611	8.120	4673	8.120	4735	8.120	4797	8.120	4859	8.120	4921	8.120	4983	8.120
4550	8.120	4612	8.120	4674	8.120	4736	8.120	4798	8.120	4860	8.120	4922	8.120	4984	8.120
4551	8.120	4613	8.120	4675	8.120	4737	8.120	4799	8.120	4861	8.120	4923	8.120	4985	8.120
4552	8.120	4614	8.120	4676	8.120	4738	8.120	4800	8.120	4862	8.120	4924	8.120	4986	8.120
4553	8.120	4615	8.120	4677	8.120	4739	8.120	4801	8.120	4863	8.120	4925	8.120	4987	8.120
4554	8.120	4616	8.120	4678	8.120	4740	8.120	4802	8.120	4864	8.120	4926	8.120	4988	8.120
4555	8.120	4617	8.120	4679	8.120	4741	8.120	4803	8.120	4865	8.120	4927	8.120	4989	8.120
4556	8.120	4618	8.120	4680	8.120	4742	8.120	4804	8.120	4866	8.120	4928	8.120	4990	8.120
4557	8.120	4619	8.120	4681	8.120	4743	8.120	4805	8.120	4867	8.120	4929	8.120	4991	8.120
4558	8.120	4620	8.120	4682	8.120	4744	8.120	4806	8.120	4868	8.120	4930	8.120	4992	8.120
4559	8.120	4621	8.120	4683	8.120	4745	8.120	4807	8.120	4869	8.120	4931	8.120	4993	8.120
4560	8.120	4622	8.120	4684	8.120	4746	8.120	4808	8.120	4870	8.120	4932	8.120	4994	8.120
4561	8.120	4623	8.120	4685	8.120	4747	8.120	4809	8.120	4871	8.120	4933	8.120	4995	8.120
4562	8.120	4624	8.120	4686	8.120	4748	8.120	4810	8.120	4872	8.120	4934	8.120	4996	8.120
4563	8.120	4625	8.120	4687	8.120	4749	8.120	4811	8.120	4873	8.120	4935	8.120	4997	8.120
4564	8.120	4626	8.120	4688	8.120	4750	8.120	4812	8.120	4874	8.120	4936	8.120	4998	8.120
4565	8.120	4627	8.120	4689	8.120	4751	8.120	4813	8.120	4875	8.120	4937	8.120	4999	8.120
4566	8.120	4628	8.120	4690	8.120	4752	8.120	4814	8.120	4876	8.120	4938	8.120	5000	8.120
4567	8.120	4629	8.120	4691	8.120	4753	8.120	4815	8.120	4877	8.120	4939	8.120	5001	8.120
4568	8.120	4630	8.120	4692	8.120	4754	8.120	4816	8.120	4878	8.120	4940	8.120	5002	8.120
4569	8.120	4631	8.120	4693	8.120	4755	8.120	4817	8.120	4879	8.120	4941	8.120	5003	8.120
4570	8.120	4632	8.120	4694	8.120	4756	8.120	4818	8.120	4880	8.120	4942	8.120	5004	8.120
4571	8.120	4633	8.120	4695	8.120	4757	8.120	4819	8.120	4881	8.120	4943	8.120	5005	8.120
4572	8.120	4634	8.120	4696	8.120	4758	8.120	4820	8.120	4882	8.120	4944	8.120	5006	8.120
4573	8.120	4635	8.120	4697	8.120	4759	8.120	4821	8.120	4883	8.120	4945	8.120	5007	8.120
4574	8.120	4636	8.120	4698	8.120	4760	8.120	4822	8.120	4884	8.120	4946	8.120	5008	8.120
4575	8.120	4637	8.120	4699	8.120	4761	8.120	4823	8.120	4885	8.120	4947	8.120	5009	8.120
4576	8.120	4638	8.120	4700	8.120	4762	8.120	4824	8.120	4886	8.120	4948	8.120	5010	8.120
4577	8.120	4639	8.120	4701	8.120	4763	8.120	4825	8.120	4887	8.120	4949	8.120	5011	8.120
4578	8.120	4640	8.120	4702	8.120	4764	8.120	4826	8.120	4888	8.120	4950	8.120	5012	8.120
4579	8.120	4641	8.120	4703	8.120	4765	8.120	4827	8.120	4889	8.120	4951	8.120	5013	8.120
4580	8.120	4642	8.120	4704	8.120	4766	8.120	4828	8.120	4890	8.120	4952	8.120	5014	8.120
4581	8.120	4643	8.120	4705	8.120	4767	8.120	4829	8.120	4891	8.120	4953	8.120	5015	8.120
4582	8.120	4644	8.120	4706	8.120	4768	8.120	4830	8.120	4892	8.120	4954	8.120	5016	8.120
4583	8.120	4645	8.120	4707	8.120	4769	8.120	4831	8.120	4893	8.120	4955	8.120	5017	8.120
4584	8.120	4646	8.120	4708	8.120	4770	8.120	4832	8.120	4894	8.120	4956	8.120	5018	8.120
4585	8.120	4647	8.120	4709	8.120	4771	8.120	4833	8.120	4895	8.120	4957	8.120	5019	8.120
4586	8.120	4648	8.120	4710	8.120	4772	8.120	4834	8.120	4896	8.120	4958	8.120	5020	8.120
4587	8.120	4649	8.120	4711	8.120	4773	8.120	4835	8.120	4897	8.120	4959	8.120	5021	8.120
4588	8.120	4650	8.120	4712	8.120	4774	8.120	4836	8.120	4898	8.120	4960	8.120	5022	8.120
4589	8.120	4651	8.120	4713	8.120	4775	8.120	4837	8.120	4899	8.120	4961	8.120	5023	8.120
4590	8.120	4652	8.120	4714	8.120	4776	8.120	4838	8.120	4900	8.120	4962	8.120	5024	8.120
4591	8.120	4653	8.120	4715	8.120	4777	8.120	4839	8.120	4901	8.120	4963	8.120	5025	8.120
4592	8.120	4654	8.120	4716	8.120	4778	8.120	4840	8.120	4902	8.120	4964	8.120	5026	8.120
4593	8.120	4655	8.120	4717	8.120	4779	8.120	4841	8.120	4903	8.120	4965	8.120	5027	8.120
4594	8.120	4656	8.120	4718	8.120	4780	8.120	4842	8.120	4904	8.120	4966	8.120	5028	8.120
4595	8.120	4657	8.120	4719	8.120	4781	8.120	4843	8.120	4905	8.120	4967	8.120	5029	8.120
4596	8.120	4658	8.120	4720	8.120	4782	8.120	4844	8.120	4906	8.120	4968	8.120	5030	8.120
4597	8.120	4659	8.120	4721	8.120	4783	8.120	4845	8.120	4907	8.120	4969	8.120	5031	8.120
4598	8.120	4660	8.120	4722	8.120	4784	8.120	4846	8.120	4908	8.120	4970	8.120	5032	8.120
4599	8.120	4661	8.120	4723	8.120	4785	8.120	4847	8.120	4909	8.120	4971	8.120	5033	8.120
4600	8.120	4662	8.120	4724	8.120	4786	8.120	4848	8.120	4910	8.120	4972	8.120	5034	8.120
4601	8.120	4663	8.120	4725	8.120	4787	8.120	4849	8.120	4911	8.120	4973	8.120	5035	8.120
4602	8.120	4664	8.120	4726	8.120	4788	8.120	4850	8.120	4912	8.120	4974	8.120	5036	8.120
4603	8.120	4665	8.120	4727	8.120	4789	8.120	4851	8.120	4913	8.120	4975	8.120	5037	8.120
4604	8.120	4666	8.120	4728	8.120	4790	8.120	4852	8.120	4914	8.120	4976	8.120	5038	8.120
4605	8.120	4667	8.120	4729	8.120	4791	8.120	4853	8.120	4915	8.120	4977	8.120	5039	8.120
4606	8.120	4668	8.120	4730	8.120	4792	8.120	4854	8.120	4916	8.120	4978	8.120	5040	8.120
4607	8.120	4669	8.120	4731	8.120	4793	8.120	4855	8.120	4917	8.120	4979	8.120	5041	8.120

Sizewell Link Road  
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Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-20

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5104	8.120	5166	8.120	5228	8.120	5290	8.120	5352	8.120	5414	8.120	5476	8.120	5538	8.120
5105	8.120	5167	8.120	5229	8.120	5291	8.120	5353	8.120	5415	8.120	5477	8.120	5539	8.120
5106	8.120	5168	8.120	5230	8.120	5292	8.120	5354	8.120	5416	8.120	5478	8.120	5540	8.120
5107	8.120	5169	8.120	5231	8.120	5293	8.120	5355	8.120	5417	8.120	5479	8.120	5541	8.120
5108	8.120	5170	8.120	5232	8.120	5294	8.120	5356	8.120	5418	8.120	5480	8.120	5542	8.120
5109	8.120	5171	8.120	5233	8.120	5295	8.120	5357	8.120	5419	8.120	5481	8.120	5543	8.120
5110	8.120	5172	8.120	5234	8.120	5296	8.120	5358	8.120	5420	8.120	5482	8.120	5544	8.120
5111	8.120	5173	8.120	5235	8.120	5297	8.120	5359	8.120	5421	8.120	5483	8.120	5545	8.120
5112	8.120	5174	8.120	5236	8.120	5298	8.120	5360	8.120	5422	8.120	5484	8.120	5546	8.120
5113	8.120	5175	8.120	5237	8.120	5299	8.120	5361	8.120	5423	8.120	5485	8.120	5547	8.120
5114	8.120	5176	8.120	5238	8.120	5300	8.120	5362	8.120	5424	8.120	5486	8.120	5548	8.120
5115	8.120	5177	8.120	5239	8.120	5301	8.120	5363	8.120	5425	8.120	5487	8.120	5549	8.120
5116	8.120	5178	8.120	5240	8.120	5302	8.120	5364	8.120	5426	8.120	5488	8.120	5550	8.120
5117	8.120	5179	8.120	5241	8.120	5303	8.120	5365	8.120	5427	8.120	5489	8.120	5551	8.120
5118	8.120	5180	8.120	5242	8.120	5304	8.120	5366	8.120	5428	8.120	5490	8.120	5552	8.120
5119	8.120	5181	8.120	5243	8.120	5305	8.120	5367	8.120	5429	8.120	5491	8.120	5553	8.120
5120	8.120	5182	8.120	5244	8.120	5306	8.120	5368	8.120	5430	8.120	5492	8.120	5554	8.120
5121	8.120	5183	8.120	5245	8.120	5307	8.120	5369	8.120	5431	8.120	5493	8.120	5555	8.120
5122	8.120	5184	8.120	5246	8.120	5308	8.120	5370	8.120	5432	8.120	5494	8.120	5556	8.120
5123	8.120	5185	8.120	5247	8.120	5309	8.120	5371	8.120	5433	8.120	5495	8.120	5557	8.120
5124	8.120	5186	8.120	5248	8.120	5310	8.120	5372	8.120	5434	8.120	5496	8.120	5558	8.120
5125	8.120	5187	8.120	5249	8.120	5311	8.120	5373	8.120	5435	8.120	5497	8.120	5559	8.120
5126	8.120	5188	8.120	5250	8.120	5312	8.120	5374	8.120	5436	8.120	5498	8.120	5560	8.120
5127	8.120	5189	8.120	5251	8.120	5313	8.120	5375	8.120	5437	8.120	5499	8.120	5561	8.120
5128	8.120	5190	8.120	5252	8.120	5314	8.120	5376	8.120	5438	8.120	5500	8.120	5562	8.120
5129	8.120	5191	8.120	5253	8.120	5315	8.120	5377	8.120	5439	8.120	5501	8.120	5563	8.120
5130	8.120	5192	8.120	5254	8.120	5316	8.120	5378	8.120	5440	8.120	5502	8.120	5564	8.120
5131	8.120	5193	8.120	5255	8.120	5317	8.120	5379	8.120	5441	8.120	5503	8.120	5565	8.120
5132	8.120	5194	8.120	5256	8.120	5318	8.120	5380	8.120	5442	8.120	5504	8.120	5566	8.120
5133	8.120	5195	8.120	5257	8.120	5319	8.120	5381	8.120	5443	8.120	5505	8.120	5567	8.120
5134	8.120	5196	8.120	5258	8.120	5320	8.120	5382	8.120	5444	8.120	5506	8.120	5568	8.120
5135	8.120	5197	8.120	5259	8.120	5321	8.120	5383	8.120	5445	8.120	5507	8.120	5569	8.120
5136	8.120	5198	8.120	5260	8.120	5322	8.120	5384	8.120	5446	8.120	5508	8.120	5570	8.120
5137	8.120	5199	8.120	5261	8.120	5323	8.120	5385	8.120	5447	8.120	5509	8.120	5571	8.120
5138	8.120	5200	8.120	5262	8.120	5324	8.120	5386	8.120	5448	8.120	5510	8.120	5572	8.120
5139	8.120	5201	8.120	5263	8.120	5325	8.120	5387	8.120	5449	8.120	5511	8.120	5573	8.120
5140	8.120	5202	8.120	5264	8.120	5326	8.120	5388	8.120	5450	8.120	5512	8.120	5574	8.120
5141	8.120	5203	8.120	5265	8.120	5327	8.120	5389	8.120	5451	8.120	5513	8.120	5575	8.120
5142	8.120	5204	8.120	5266	8.120	5328	8.120	5390	8.120	5452	8.120	5514	8.120	5576	8.120
5143	8.120	5205	8.120	5267	8.120	5329	8.120	5391	8.120	5453	8.120	5515	8.120	5577	8.120
5144	8.120	5206	8.120	5268	8.120	5330	8.120	5392	8.120	5454	8.120	5516	8.120	5578	8.120
5145	8.120	5207	8.120	5269	8.120	5331	8.120	5393	8.120	5455	8.120	5517	8.120	5579	8.120
5146	8.120	5208	8.120	5270	8.120	5332	8.120	5394	8.120	5456	8.120	5518	8.120	5580	8.120
5147	8.120	5209	8.120	5271	8.120	5333	8.120	5395	8.120	5457	8.120	5519	8.120	5581	8.120
5148	8.120	5210	8.120	5272	8.120	5334	8.120	5396	8.120	5458	8.120	5520	8.120	5582	8.120
5149	8.120	5211	8.120	5273	8.120	5335	8.120	5397	8.120	5459	8.120	5521	8.120	5583	8.120
5150	8.120	5212	8.120	5274	8.120	5336	8.120	5398	8.120	5460	8.120	5522	8.120	5584	8.120
5151	8.120	5213	8.120	5275	8.120	5337	8.120	5399	8.120	5461	8.120	5523	8.120	5585	8.120
5152	8.120	5214	8.120	5276	8.120	5338	8.120	5400	8.120	5462	8.120	5524	8.120	5586	8.120
5153	8.120	5215	8.120	5277	8.120	5339	8.120	5401	8.120	5463	8.120	5525	8.120	5587	8.120
5154	8.120	5216	8.120	5278	8.120	5340	8.120	5402	8.120	5464	8.120	5526	8.120	5588	8.120
5155	8.120	5217	8.120	5279	8.120	5341	8.120	5403	8.120	5465	8.120	5527	8.120	5589	8.120
5156	8.120	5218	8.120	5280	8.120	5342	8.120	5404	8.120	5466	8.120	5528	8.120	5590	8.120
5157	8.120	5219	8.120	5281	8.120	5343	8.120	5405	8.120	5467	8.120	5529	8.120	5591	8.120
5158	8.120	5220	8.120	5282	8.120	5344	8.120	5406	8.120	5468	8.120	5530	8.120	5592	8.120
5159	8.120	5221	8.120	5283	8.120	5345	8.120	5407	8.120	5469	8.120	5531	8.120	5593	8.120
5160	8.120	5222	8.120	5284	8.120	5346	8.120	5408	8.120	5470	8.120	5532	8.120	5594	8.120
5161	8.120	5223	8.120	5285	8.120	5347	8.120	5409	8.120	5471	8.120	5533	8.120	5595	8.120
5162	8.120	5224	8.120	5286	8.120	5348	8.120	5410	8.120	5472	8.120	5534	8.120	5596	8.120
5163	8.120	5225	8.120	5287	8.120	5349	8.120	5411	8.120	5473	8.120	5535	8.120	5597	8.120
5164	8.120	5226	8.120	5288	8.120	5350	8.120	5412	8.120	5474	8.120	5536	8.120	5598	8.120
5165	8.120	5227	8.120	5289	8.120	5351	8.120	5413	8.120	5475	8.120	5537	8.120	5599	8.120

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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5662	8.120	5724	8.120	5786	8.120	5848	8.120	5910	8.120	5972	8.120	6034	8.120	6096	8.120
5663	8.120	5725	8.120	5787	8.120	5849	8.120	5911	8.120	5973	8.120	6035	8.120	6097	8.120
5664	8.120	5726	8.120	5788	8.120	5850	8.120	5912	8.120	5974	8.120	6036	8.120	6098	8.120
5665	8.120	5727	8.120	5789	8.120	5851	8.120	5913	8.120	5975	8.120	6037	8.120	6099	8.120
5666	8.120	5728	8.120	5790	8.120	5852	8.120	5914	8.120	5976	8.120	6038	8.120	6100	8.120
5667	8.120	5729	8.120	5791	8.120	5853	8.120	5915	8.120	5977	8.120	6039	8.120	6101	8.120
5668	8.120	5730	8.120	5792	8.120	5854	8.120	5916	8.120	5978	8.120	6040	8.120	6102	8.120
5669	8.120	5731	8.120	5793	8.120	5855	8.120	5917	8.120	5979	8.120	6041	8.120	6103	8.120
5670	8.120	5732	8.120	5794	8.120	5856	8.120	5918	8.120	5980	8.120	6042	8.120	6104	8.120
5671	8.120	5733	8.120	5795	8.120	5857	8.120	5919	8.120	5981	8.120	6043	8.120	6105	8.120
5672	8.120	5734	8.120	5796	8.120	5858	8.120	5920	8.120	5982	8.120	6044	8.120	6106	8.120
5673	8.120	5735	8.120	5797	8.120	5859	8.120	5921	8.120	5983	8.120	6045	8.120	6107	8.120
5674	8.120	5736	8.120	5798	8.120	5860	8.120	5922	8.120	5984	8.120	6046	8.120	6108	8.120
5675	8.120	5737	8.120	5799	8.120	5861	8.120	5923	8.120	5985	8.120	6047	8.120	6109	8.120
5676	8.120	5738	8.120	5800	8.120	5862	8.120	5924	8.120	5986	8.120	6048	8.120	6110	8.120
5677	8.120	5739	8.120	5801	8.120	5863	8.120	5925	8.120	5987	8.120	6049	8.120	6111	8.120
5678	8.120	5740	8.120	5802	8.120	5864	8.120	5926	8.120	5988	8.120	6050	8.120	6112	8.120
5679	8.120	5741	8.120	5803	8.120	5865	8.120	5927	8.120	5989	8.120	6051	8.120	6113	8.120
5680	8.120	5742	8.120	5804	8.120	5866	8.120	5928	8.120	5990	8.120	6052	8.120	6114	8.120
5681	8.120	5743	8.120	5805	8.120	5867	8.120	5929	8.120	5991	8.120	6053	8.120	6115	8.120
5682	8.120	5744	8.120	5806	8.120	5868	8.120	5930	8.120	5992	8.120	6054	8.120	6116	8.120
5683	8.120	5745	8.120	5807	8.120	5869	8.120	5931	8.120	5993	8.120	6055	8.120	6117	8.120
5684	8.120	5746	8.120	5808	8.120	5870	8.120	5932	8.120	5994	8.120	6056	8.120	6118	8.120
5685	8.120	5747	8.120	5809	8.120	5871	8.120	5933	8.120	5995	8.120	6057	8.120	6119	8.120
5686	8.120	5748	8.120	5810	8.120	5872	8.120	5934	8.120	5996	8.120	6058	8.120	6120	8.120
5687	8.120	5749	8.120	5811	8.120	5873	8.120	5935	8.120	5997	8.120	6059	8.120	6121	8.120
5688	8.120	5750	8.120	5812	8.120	5874	8.120	5936	8.120	5998	8.120	6060	8.120	6122	8.120
5689	8.120	5751	8.120	5813	8.120	5875	8.120	5937	8.120	5999	8.120	6061	8.120	6123	8.120
5690	8.120	5752	8.120	5814	8.120	5876	8.120	5938	8.120	6000	8.120	6062	8.120	6124	8.120
5691	8.120	5753	8.120	5815	8.120	5877	8.120	5939	8.120	6001	8.120	6063	8.120	6125	8.120
5692	8.120	5754	8.120	5816	8.120	5878	8.120	5940	8.120	6002	8.120	6064	8.120	6126	8.120
5693	8.120	5755	8.120	5817	8.120	5879	8.120	5941	8.120	6003	8.120	6065	8.120	6127	8.120
5694	8.120	5756	8.120	5818	8.120	5880	8.120	5942	8.120	6004	8.120	6066	8.120	6128	8.120
5695	8.120	5757	8.120	5819	8.120	5881	8.120	5943	8.120	6005	8.120	6067	8.120	6129	8.120
5696	8.120	5758	8.120	5820	8.120	5882	8.120	5944	8.120	6006	8.120	6068	8.120	6130	8.120
5697	8.120	5759	8.120	5821	8.120	5883	8.120	5945	8.120	6007	8.120	6069	8.120	6131	8.120
5698	8.120	5760	8.120	5822	8.120	5884	8.120	5946	8.120	6008	8.120	6070	8.120	6132	8.120
5699	8.120	5761	8.120	5823	8.120	5885	8.120	5947	8.120	6009	8.120	6071	8.120	6133	8.120
5700	8.120	5762	8.120	5824	8.120	5886	8.120	5948	8.120	6010	8.120	6072	8.120	6134	8.120
5701	8.120	5763	8.120	5825	8.120	5887	8.120	5949	8.120	6011	8.120	6073	8.120	6135	8.120
5702	8.120	5764	8.120	5826	8.120	5888	8.120	5950	8.120	6012	8.120	6074	8.120	6136	8.120
5703	8.120	5765	8.120	5827	8.120	5889	8.120	5951	8.120	6013	8.120	6075	8.120	6137	8.120
5704	8.120	5766	8.120	5828	8.120	5890	8.120	5952	8.120	6014	8.120	6076	8.120	6138	8.120
5705	8.120	5767	8.120	5829	8.120	5891	8.120	5953	8.120	6015	8.120	6077	8.120	6139	8.120
5706	8.120	5768	8.120	5830	8.120	5892	8.120	5954	8.120	6016	8.120	6078	8.120	6140	8.120
5707	8.120	5769	8.120	5831	8.120	5893	8.120	5955	8.120	6017	8.120	6079	8.120	6141	8.120
5708	8.120	5770	8.120	5832	8.120	5894	8.120	5956	8.120	6018	8.120	6080	8.120	6142	8.120
5709	8.120	5771	8.120	5833	8.120	5895	8.120	5957	8.120	6019	8.120	6081	8.120	6143	8.120
5710	8.120	5772	8.120	5834	8.120	5896	8.120	5958	8.120	6020	8.120	6082	8.120	6144	8.120
5711	8.120	5773	8.120	5835	8.120	5897	8.120	5959	8.120	6021	8.120	6083	8.120	6145	8.120
5712	8.120	5774	8.120	5836	8.120	5898	8.120	5960	8.120	6022	8.120	6084	8.120	6146	8.120
5713	8.120	5775	8.120	5837	8.120	5899	8.120	5961	8.120	6023	8.120	6085	8.120	6147	8.120
5714	8.120	5776	8.120	5838	8.120	5900	8.120	5962	8.120	6024	8.120	6086	8.120	6148	8.120
5715	8.120	5777	8.120	5839	8.120	5901	8.120	5963	8.120	6025	8.120	6087	8.120	6149	8.120
5716	8.120	5778	8.120	5840	8.120	5902	8.120	5964	8.120	6026	8.120	6088	8.120	6150	8.120
5717	8.120	5779	8.120	5841	8.120	5903	8.120	5965	8.120	6027	8.120	6089	8.120	6151	8.120
5718	8.120	5780	8.120	5842	8.120	5904	8.120	5966	8.120	6028	8.120	6090	8.120	6152	8.120
5719	8.120	5781	8.120	5843	8.120	5905	8.120	5967	8.120	6029	8.120	6091	8.120	6153	8.120
5720	8.120	5782	8.120	5844	8.120	5906	8.120	5968	8.120	6030	8.120	6092	8.120	6154	8.120
5721	8.120	5783	8.120	5845	8.120	5907	8.120	5969	8.120	6031	8.120	6093	8.120	6155	8.120
5722	8.120	5784	8.120	5846	8.120	5908	8.120	5970	8.120	6032	8.120	6094	8.120	6156	8.120
5723	8.120	5785	8.120	5847	8.120	5909	8.120	5971	8.120	6033	8.120	6095	8.120	6157	8.120

Sizewell Link Road  
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Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-20

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6220	8.120	6282	8.120	6344	8.120	6406	8.120	6468	8.120	6530	8.120	6592	8.120	6654	8.120
6221	8.120	6283	8.120	6345	8.120	6407	8.120	6469	8.120	6531	8.120	6593	8.120	6655	8.120
6222	8.120	6284	8.120	6346	8.120	6408	8.120	6470	8.120	6532	8.120	6594	8.120	6656	8.120
6223	8.120	6285	8.120	6347	8.120	6409	8.120	6471	8.120	6533	8.120	6595	8.120	6657	8.120
6224	8.120	6286	8.120	6348	8.120	6410	8.120	6472	8.120	6534	8.120	6596	8.120	6658	8.120
6225	8.120	6287	8.120	6349	8.120	6411	8.120	6473	8.120	6535	8.120	6597	8.120	6659	8.120
6226	8.120	6288	8.120	6350	8.120	6412	8.120	6474	8.120	6536	8.120	6598	8.120	6660	8.120
6227	8.120	6289	8.120	6351	8.120	6413	8.120	6475	8.120	6537	8.120	6599	8.120	6661	8.120
6228	8.120	6290	8.120	6352	8.120	6414	8.120	6476	8.120	6538	8.120	6600	8.120	6662	8.120
6229	8.120	6291	8.120	6353	8.120	6415	8.120	6477	8.120	6539	8.120	6601	8.120	6663	8.120
6230	8.120	6292	8.120	6354	8.120	6416	8.120	6478	8.120	6540	8.120	6602	8.120	6664	8.120
6231	8.120	6293	8.120	6355	8.120	6417	8.120	6479	8.120	6541	8.120	6603	8.120	6665	8.120
6232	8.120	6294	8.120	6356	8.120	6418	8.120	6480	8.120	6542	8.120	6604	8.120	6666	8.120
6233	8.120	6295	8.120	6357	8.120	6419	8.120	6481	8.120	6543	8.120	6605	8.120	6667	8.120
6234	8.120	6296	8.120	6358	8.120	6420	8.120	6482	8.120	6544	8.120	6606	8.120	6668	8.120
6235	8.120	6297	8.120	6359	8.120	6421	8.120	6483	8.120	6545	8.120	6607	8.120	6669	8.120
6236	8.120	6298	8.120	6360	8.120	6422	8.120	6484	8.120	6546	8.120	6608	8.120	6670	8.120
6237	8.120	6299	8.120	6361	8.120	6423	8.120	6485	8.120	6547	8.120	6609	8.120	6671	8.120
6238	8.120	6300	8.120	6362	8.120	6424	8.120	6486	8.120	6548	8.120	6610	8.120	6672	8.120
6239	8.120	6301	8.120	6363	8.120	6425	8.120	6487	8.120	6549	8.120	6611	8.120	6673	8.120
6240	8.120	6302	8.120	6364	8.120	6426	8.120	6488	8.120	6550	8.120	6612	8.120	6674	8.120
6241	8.120	6303	8.120	6365	8.120	6427	8.120	6489	8.120	6551	8.120	6613	8.120	6675	8.120
6242	8.120	6304	8.120	6366	8.120	6428	8.120	6490	8.120	6552	8.120	6614	8.120	6676	8.120
6243	8.120	6305	8.120	6367	8.120	6429	8.120	6491	8.120	6553	8.120	6615	8.120	6677	8.120
6244	8.120	6306	8.120	6368	8.120	6430	8.120	6492	8.120	6554	8.120	6616	8.120	6678	8.120
6245	8.120	6307	8.120	6369	8.120	6431	8.120	6493	8.120	6555	8.120	6617	8.120	6679	8.120
6246	8.120	6308	8.120	6370	8.120	6432	8.120	6494	8.120	6556	8.120	6618	8.120	6680	8.120
6247	8.120	6309	8.120	6371	8.120	6433	8.120	6495	8.120	6557	8.120	6619	8.120	6681	8.120
6248	8.120	6310	8.120	6372	8.120	6434	8.120	6496	8.120	6558	8.120	6620	8.120	6682	8.120
6249	8.120	6311	8.120	6373	8.120	6435	8.120	6497	8.120	6559	8.120	6621	8.120	6683	8.120
6250	8.120	6312	8.120	6374	8.120	6436	8.120	6498	8.120	6560	8.120	6622	8.120	6684	8.120
6251	8.120	6313	8.120	6375	8.120	6437	8.120	6499	8.120	6561	8.120	6623	8.120	6685	8.120
6252	8.120	6314	8.120	6376	8.120	6438	8.120	6500	8.120	6562	8.120	6624	8.120	6686	8.120
6253	8.120	6315	8.120	6377	8.120	6439	8.120	6501	8.120	6563	8.120	6625	8.120	6687	8.120
6254	8.120	6316	8.120	6378	8.120	6440	8.120	6502	8.120	6564	8.120	6626	8.120	6688	8.120
6255	8.120	6317	8.120	6379	8.120	6441	8.120	6503	8.120	6565	8.120	6627	8.120	6689	8.120
6256	8.120	6318	8.120	6380	8.120	6442	8.120	6504	8.120	6566	8.120	6628	8.120	6690	8.120
6257	8.120	6319	8.120	6381	8.120	6443	8.120	6505	8.120	6567	8.120	6629	8.120	6691	8.120
6258	8.120	6320	8.120	6382	8.120	6444	8.120	6506	8.120	6568	8.120	6630	8.120	6692	8.120
6259	8.120	6321	8.120	6383	8.120	6445	8.120	6507	8.120	6569	8.120	6631	8.120	6693	8.120
6260	8.120	6322	8.120	6384	8.120	6446	8.120	6508	8.120	6570	8.120	6632	8.120	6694	8.120
6261	8.120	6323	8.120	6385	8.120	6447	8.120	6509	8.120	6571	8.120	6633	8.120	6695	8.120
6262	8.120	6324	8.120	6386	8.120	6448	8.120	6510	8.120	6572	8.120	6634	8.120	6696	8.120
6263	8.120	6325	8.120	6387	8.120	6449	8.120	6511	8.120	6573	8.120	6635	8.120	6697	8.120
6264	8.120	6326	8.120	6388	8.120	6450	8.120	6512	8.120	6574	8.120	6636	8.120	6698	8.120
6265	8.120	6327	8.120	6389	8.120	6451	8.120	6513	8.120	6575	8.120	6637	8.120	6699	8.120
6266	8.120	6328	8.120	6390	8.120	6452	8.120	6514	8.120	6576	8.120	6638	8.120	6700	8.120
6267	8.120	6329	8.120	6391	8.120	6453	8.120	6515	8.120	6577	8.120	6639	8.120	6701	8.120
6268	8.120	6330	8.120	6392	8.120	6454	8.120	6516	8.120	6578	8.120	6640	8.120	6702	8.120
6269	8.120	6331	8.120	6393	8.120	6455	8.120	6517	8.120	6579	8.120	6641	8.120	6703	8.120
6270	8.120	6332	8.120	6394	8.120	6456	8.120	6518	8.120	6580	8.120	6642	8.120	6704	8.120
6271	8.120	6333	8.120	6395	8.120	6457	8.120	6519	8.120	6581	8.120	6643	8.120	6705	8.120
6272	8.120	6334	8.120	6396	8.120	6458	8.120	6520	8.120	6582	8.120	6644	8.120	6706	8.120
6273	8.120	6335	8.120	6397	8.120	6459	8.120	6521	8.120	6583	8.120	6645	8.120	6707	8.120
6274	8.120	6336	8.120	6398	8.120	6460	8.120	6522	8.120	6584	8.120	6646	8.120	6708	8.120
6275	8.120	6337	8.120	6399	8.120	6461	8.120	6523	8.120	6585	8.120	6647	8.120	6709	8.120
6276	8.120	6338	8.120	6400	8.120	6462	8.120	6524	8.120	6586	8.120	6648	8.120	6710	8.120
6277	8.120	6339	8.120	6401	8.120	6463	8.120	6525	8.120	6587	8.120	6649	8.120	6711	8.120
6278	8.120	6340	8.120	6402	8.120	6464	8.120	6526	8.120	6588	8.120	6650	8.120	6712	8.120
6279	8.120	6341	8.120	6403	8.120	6465	8.120	6527	8.120	6589	8.120	6651	8.120	6713	8.120
6280	8.120	6342	8.120	6404	8.120	6466	8.120	6528	8.120	6590	8.120	6652	8.120	6714	8.120
6281	8.120	6343	8.120	6405	8.120	6467	8.120	6529	8.120	6591	8.120	6653	8.120	6715	8.120

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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6778	8.120	6840	8.120	6902	8.120	6964	8.120	7026	8.120	7088	8.120	7150	8.120	7212	8.120
6779	8.120	6841	8.120	6903	8.120	6965	8.120	7027	8.120	7089	8.120	7151	8.120	7213	8.120
6780	8.120	6842	8.120	6904	8.120	6966	8.120	7028	8.120	7090	8.120	7152	8.120	7214	8.120
6781	8.120	6843	8.120	6905	8.120	6967	8.120	7029	8.120	7091	8.120	7153	8.120	7215	8.120
6782	8.120	6844	8.120	6906	8.120	6968	8.120	7030	8.120	7092	8.120	7154	8.120	7216	8.120
6783	8.120	6845	8.120	6907	8.120	6969	8.120	7031	8.120	7093	8.120	7155	8.120	7217	8.120
6784	8.120	6846	8.120	6908	8.120	6970	8.120	7032	8.120	7094	8.120	7156	8.120	7218	8.120
6785	8.120	6847	8.120	6909	8.120	6971	8.120	7033	8.120	7095	8.120	7157	8.120	7219	8.120
6786	8.120	6848	8.120	6910	8.120	6972	8.120	7034	8.120	7096	8.120	7158	8.120	7220	8.120
6787	8.120	6849	8.120	6911	8.120	6973	8.120	7035	8.120	7097	8.120	7159	8.120	7221	8.120
6788	8.120	6850	8.120	6912	8.120	6974	8.120	7036	8.120	7098	8.120	7160	8.120	7222	8.120
6789	8.120	6851	8.120	6913	8.120	6975	8.120	7037	8.120	7099	8.120	7161	8.120	7223	8.120
6790	8.120	6852	8.120	6914	8.120	6976	8.120	7038	8.120	7100	8.120	7162	8.120	7224	8.120
6791	8.120	6853	8.120	6915	8.120	6977	8.120	7039	8.120	7101	8.120	7163	8.120	7225	8.120
6792	8.120	6854	8.120	6916	8.120	6978	8.120	7040	8.120	7102	8.120	7164	8.120	7226	8.120
6793	8.120	6855	8.120	6917	8.120	6979	8.120	7041	8.120	7103	8.120	7165	8.120	7227	8.120
6794	8.120	6856	8.120	6918	8.120	6980	8.120	7042	8.120	7104	8.120	7166	8.120	7228	8.120
6795	8.120	6857	8.120	6919	8.120	6981	8.120	7043	8.120	7105	8.120	7167	8.120	7229	8.120
6796	8.120	6858	8.120	6920	8.120	6982	8.120	7044	8.120	7106	8.120	7168	8.120	7230	8.120
6797	8.120	6859	8.120	6921	8.120	6983	8.120	7045	8.120	7107	8.120	7169	8.120	7231	8.120
6798	8.120	6860	8.120	6922	8.120	6984	8.120	7046	8.120	7108	8.120	7170	8.120	7232	8.120
6799	8.120	6861	8.120	6923	8.120	6985	8.120	7047	8.120	7109	8.120	7171	8.120	7233	8.120
6800	8.120	6862	8.120	6924	8.120	6986	8.120	7048	8.120	7110	8.120	7172	8.120	7234	8.120
6801	8.120	6863	8.120	6925	8.120	6987	8.120	7049	8.120	7111	8.120	7173	8.120	7235	8.120
6802	8.120	6864	8.120	6926	8.120	6988	8.120	7050	8.120	7112	8.120	7174	8.120	7236	8.120
6803	8.120	6865	8.120	6927	8.120	6989	8.120	7051	8.120	7113	8.120	7175	8.120	7237	8.120
6804	8.120	6866	8.120	6928	8.120	6990	8.120	7052	8.120	7114	8.120	7176	8.120	7238	8.120
6805	8.120	6867	8.120	6929	8.120	6991	8.120	7053	8.120	7115	8.120	7177	8.120	7239	8.120
6806	8.120	6868	8.120	6930	8.120	6992	8.120	7054	8.120	7116	8.120	7178	8.120	7240	8.120
6807	8.120	6869	8.120	6931	8.120	6993	8.120	7055	8.120	7117	8.120	7179	8.120	7241	8.120
6808	8.120	6870	8.120	6932	8.120	6994	8.120	7056	8.120	7118	8.120	7180	8.120	7242	8.120
6809	8.120	6871	8.120	6933	8.120	6995	8.120	7057	8.120	7119	8.120	7181	8.120	7243	8.120
6810	8.120	6872	8.120	6934	8.120	6996	8.120	7058	8.120	7120	8.120	7182	8.120	7244	8.120
6811	8.120	6873	8.120	6935	8.120	6997	8.120	7059	8.120	7121	8.120	7183	8.120	7245	8.120
6812	8.120	6874	8.120	6936	8.120	6998	8.120	7060	8.120	7122	8.120	7184	8.120	7246	8.120
6813	8.120	6875	8.120	6937	8.120	6999	8.120	7061	8.120	7123	8.120	7185	8.120	7247	8.120
6814	8.120	6876	8.120	6938	8.120	7000	8.120	7062	8.120	7124	8.120	7186	8.120	7248	8.120
6815	8.120	6877	8.120	6939	8.120	7001	8.120	7063	8.120	7125	8.120	7187	8.120	7249	8.120
6816	8.120	6878	8.120	6940	8.120	7002	8.120	7064	8.120	7126	8.120	7188	8.120	7250	8.120
6817	8.120	6879	8.120	6941	8.120	7003	8.120	7065	8.120	7127	8.120	7189	8.120	7251	8.120
6818	8.120	6880	8.120	6942	8.120	7004	8.120	7066	8.120	7128	8.120	7190	8.120	7252	8.120
6819	8.120	6881	8.120	6943	8.120	7005	8.120	7067	8.120	7129	8.120	7191	8.120	7253	8.120
6820	8.120	6882	8.120	6944	8.120	7006	8.120	7068	8.120	7130	8.120	7192	8.120	7254	8.120
6821	8.120	6883	8.120	6945	8.120	7007	8.120	7069	8.120	7131	8.120	7193	8.120	7255	8.120
6822	8.120	6884	8.120	6946	8.120	7008	8.120	7070	8.120	7132	8.120	7194	8.120	7256	8.120
6823	8.120	6885	8.120	6947	8.120	7009	8.120	7071	8.120	7133	8.120	7195	8.120	7257	8.120
6824	8.120	6886	8.120	6948	8.120	7010	8.120	7072	8.120	7134	8.120	7196	8.120	7258	8.120
6825	8.120	6887	8.120	6949	8.120	7011	8.120	7073	8.120	7135	8.120	7197	8.120	7259	8.120
6826	8.120	6888	8.120	6950	8.120	7012	8.120	7074	8.120	7136	8.120	7198	8.120	7260	8.120
6827	8.120	6889	8.120	6951	8.120	7013	8.120	7075	8.120	7137	8.120	7199	8.120	7261	8.120
6828	8.120	6890	8.120	6952	8.120	7014	8.120	7076	8.120	7138	8.120	7200	8.120	7262	8.120
6829	8.120	6891	8.120	6953	8.120	7015	8.120	7077	8.120	7139	8.120	7201	8.120	7263	8.120
6830	8.120	6892	8.120	6954	8.120	7016	8.120	7078	8.120	7140	8.120	7202	8.120	7264	8.120
6831	8.120	6893	8.120	6955	8.120	7017	8.120	7079	8.120	7141	8.120	7203	8.120	7265	8.120
6832	8.120	6894	8.120	6956	8.120	7018	8.120	7080	8.120	7142	8.120	7204	8.120	7266	8.120
6833	8.120	6895	8.120	6957	8.120	7019	8.120	7081	8.120	7143	8.120	7205	8.120	7267	8.120
6834	8.120	6896	8.120	6958	8.120	7020	8.120	7082	8.120	7144	8.120	7206	8.120	7268	8.120
6835	8.120	6897	8.120	6959	8.120	7021	8.120	7083	8.120	7145	8.120	7207	8.120	7269	8.120
6836	8.120	6898	8.120	6960	8.120	7022	8.120	7084	8.120	7146	8.120	7208	8.120	7270	8.120
6837	8.120	6899	8.120	6961	8.120	7023	8.120	7085	8.120	7147	8.120	7209	8.120	7271	8.120
6838	8.120	6900	8.120	6962	8.120	7024	8.120	7086	8.120	7148	8.120	7210	8.120	7272	8.120
6839	8.120	6901	8.120	6963	8.120	7025	8.120	7087	8.120	7149	8.120	7211	8.120	7273	8.120

Sizewell Link Road  
DCO Design Review  
SLR-AB-20



Date 30/09/2021  
File SLR-aB-20 Amended.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-20

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7336	8.120	7398	8.120	7460	8.120	7522	8.120	7584	8.120	7646	8.120	7708	8.120	7770	8.120
7337	8.120	7399	8.120	7461	8.120	7523	8.120	7585	8.120	7647	8.120	7709	8.120	7771	8.120
7338	8.120	7400	8.120	7462	8.120	7524	8.120	7586	8.120	7648	8.120	7710	8.120	7772	8.120
7339	8.120	7401	8.120	7463	8.120	7525	8.120	7587	8.120	7649	8.120	7711	8.120	7773	8.120
7340	8.120	7402	8.120	7464	8.120	7526	8.120	7588	8.120	7650	8.120	7712	8.120	7774	8.120
7341	8.120	7403	8.120	7465	8.120	7527	8.120	7589	8.120	7651	8.120	7713	8.120	7775	8.120
7342	8.120	7404	8.120	7466	8.120	7528	8.120	7590	8.120	7652	8.120	7714	8.120	7776	8.120
7343	8.120	7405	8.120	7467	8.120	7529	8.120	7591	8.120	7653	8.120	7715	8.120	7777	8.120
7344	8.120	7406	8.120	7468	8.120	7530	8.120	7592	8.120	7654	8.120	7716	8.120	7778	8.120
7345	8.120	7407	8.120	7469	8.120	7531	8.120	7593	8.120	7655	8.120	7717	8.120	7779	8.120
7346	8.120	7408	8.120	7470	8.120	7532	8.120	7594	8.120	7656	8.120	7718	8.120	7780	8.120
7347	8.120	7409	8.120	7471	8.120	7533	8.120	7595	8.120	7657	8.120	7719	8.120	7781	8.120
7348	8.120	7410	8.120	7472	8.120	7534	8.120	7596	8.120	7658	8.120	7720	8.120	7782	8.120
7349	8.120	7411	8.120	7473	8.120	7535	8.120	7597	8.120	7659	8.120	7721	8.120	7783	8.120
7350	8.120	7412	8.120	7474	8.120	7536	8.120	7598	8.120	7660	8.120	7722	8.120	7784	8.120
7351	8.120	7413	8.120	7475	8.120	7537	8.120	7599	8.120	7661	8.120	7723	8.120	7785	8.120
7352	8.120	7414	8.120	7476	8.120	7538	8.120	7600	8.120	7662	8.120	7724	8.120	7786	8.120
7353	8.120	7415	8.120	7477	8.120	7539	8.120	7601	8.120	7663	8.120	7725	8.120	7787	8.120
7354	8.120	7416	8.120	7478	8.120	7540	8.120	7602	8.120	7664	8.120	7726	8.120	7788	8.120
7355	8.120	7417	8.120	7479	8.120	7541	8.120	7603	8.120	7665	8.120	7727	8.120	7789	8.120
7356	8.120	7418	8.120	7480	8.120	7542	8.120	7604	8.120	7666	8.120	7728	8.120	7790	8.120
7357	8.120	7419	8.120	7481	8.120	7543	8.120	7605	8.120	7667	8.120	7729	8.120	7791	8.120
7358	8.120	7420	8.120	7482	8.120	7544	8.120	7606	8.120	7668	8.120	7730	8.120	7792	8.120
7359	8.120	7421	8.120	7483	8.120	7545	8.120	7607	8.120	7669	8.120	7731	8.120	7793	8.120
7360	8.120	7422	8.120	7484	8.120	7546	8.120	7608	8.120	7670	8.120	7732	8.120	7794	8.120
7361	8.120	7423	8.120	7485	8.120	7547	8.120	7609	8.120	7671	8.120	7733	8.120	7795	8.120
7362	8.120	7424	8.120	7486	8.120	7548	8.120	7610	8.120	7672	8.120	7734	8.120	7796	8.120
7363	8.120	7425	8.120	7487	8.120	7549	8.120	7611	8.120	7673	8.120	7735	8.120	7797	8.120
7364	8.120	7426	8.120	7488	8.120	7550	8.120	7612	8.120	7674	8.120	7736	8.120	7798	8.120
7365	8.120	7427	8.120	7489	8.120	7551	8.120	7613	8.120	7675	8.120	7737	8.120	7799	8.120
7366	8.120	7428	8.120	7490	8.120	7552	8.120	7614	8.120	7676	8.120	7738	8.120	7800	8.120
7367	8.120	7429	8.120	7491	8.120	7553	8.120	7615	8.120	7677	8.120	7739	8.120	7801	8.120
7368	8.120	7430	8.120	7492	8.120	7554	8.120	7616	8.120	7678	8.120	7740	8.120	7802	8.120
7369	8.120	7431	8.120	7493	8.120	7555	8.120	7617	8.120	7679	8.120	7741	8.120	7803	8.120
7370	8.120	7432	8.120	7494	8.120	7556	8.120	7618	8.120	7680	8.120	7742	8.120	7804	8.120
7371	8.120	7433	8.120	7495	8.120	7557	8.120	7619	8.120	7681	8.120	7743	8.120	7805	8.120
7372	8.120	7434	8.120	7496	8.120	7558	8.120	7620	8.120	7682	8.120	7744	8.120	7806	8.120
7373	8.120	7435	8.120	7497	8.120	7559	8.120	7621	8.120	7683	8.120	7745	8.120	7807	8.120
7374	8.120	7436	8.120	7498	8.120	7560	8.120	7622	8.120	7684	8.120	7746	8.120	7808	8.120
7375	8.120	7437	8.120	7499	8.120	7561	8.120	7623	8.120	7685	8.120	7747	8.120	7809	8.120
7376	8.120	7438	8.120	7500	8.120	7562	8.120	7624	8.120	7686	8.120	7748	8.120	7810	8.120
7377	8.120	7439	8.120	7501	8.120	7563	8.120	7625	8.120	7687	8.120	7749	8.120	7811	8.120
7378	8.120	7440	8.120	7502	8.120	7564	8.120	7626	8.120	7688	8.120	7750	8.120	7812	8.120
7379	8.120	7441	8.120	7503	8.120	7565	8.120	7627	8.120	7689	8.120	7751	8.120	7813	8.120
7380	8.120	7442	8.120	7504	8.120	7566	8.120	7628	8.120	7690	8.120	7752	8.120	7814	8.120
7381	8.120	7443	8.120	7505	8.120	7567	8.120	7629	8.120	7691	8.120	7753	8.120	7815	8.120
7382	8.120	7444	8.120	7506	8.120	7568	8.120	7630	8.120	7692	8.120	7754	8.120	7816	8.120
7383	8.120	7445	8.120	7507	8.120	7569	8.120	7631	8.120	7693	8.120	7755	8.120	7817	8.120
7384	8.120	7446	8.120	7508	8.120	7570	8.120	7632	8.120	7694	8.120	7756	8.120	7818	8.120
7385	8.120	7447	8.120	7509	8.120	7571	8.120	7633	8.120	7695	8.120	7757	8.120	7819	8.120
7386	8.120	7448	8.120	7510	8.120	7572	8.120	7634	8.120	7696	8.120	7758	8.120	7820	8.120
7387	8.120	7449	8.120	7511	8.120	7573	8.120	7635	8.120	7697	8.120	7759	8.120	7821	8.120
7388	8.120	7450	8.120	7512	8.120	7574	8.120	7636	8.120	7698	8.120	7760	8.120	7822	8.120
7389	8.120	7451	8.120	7513	8.120	7575	8.120	7637	8.120	7699	8.120	7761	8.120	7823	8.120
7390	8.120	7452	8.120	7514	8.120	7576	8.120	7638	8.120	7700	8.120	7762	8.120	7824	8.120
7391	8.120	7453	8.120	7515	8.120	7577	8.120	7639	8.120	7701	8.120	7763	8.120	7825	8.120
7392	8.120	7454	8.120	7516	8.120	7578	8.120	7640	8.120	7702	8.120	7764	8.120	7826	8.120
7393	8.120	7455	8.120	7517	8.120	7579	8.120	7641	8.120	7703	8.120	7765	8.120	7827	8.120
7394	8.120	7456	8.120	7518	8.120	7580	8.120	7642	8.120	7704	8.120	7766	8.120	7828	8.120
7395	8.120	7457	8.120	7519	8.120	7581	8.120	7643	8.120	7705	8.120	7767	8.120	7829	8.120
7396	8.120	7458	8.120	7520	8.120	7582	8.120	7644	8.120	7706	8.120	7768	8.120	7830	8.120
7397	8.120	7459	8.120	7521	8.120	7583	8.120	7645	8.120	7707	8.120	7769	8.120	7831	8.120



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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7894	8.120	7956	8.120	8018	8.120	8080	8.120	8142	8.120	8204	8.120	8266	8.120	8328	8.120
7895	8.120	7957	8.120	8019	8.120	8081	8.120	8143	8.120	8205	8.120	8267	8.120	8329	8.120
7896	8.120	7958	8.120	8020	8.120	8082	8.120	8144	8.120	8206	8.120	8268	8.120	8330	8.120
7897	8.120	7959	8.120	8021	8.120	8083	8.120	8145	8.120	8207	8.120	8269	8.120	8331	8.120
7898	8.120	7960	8.120	8022	8.120	8084	8.120	8146	8.120	8208	8.120	8270	8.120	8332	8.120
7899	8.120	7961	8.120	8023	8.120	8085	8.120	8147	8.120	8209	8.120	8271	8.120	8333	8.120
7900	8.120	7962	8.120	8024	8.120	8086	8.120	8148	8.120	8210	8.120	8272	8.120	8334	8.120
7901	8.120	7963	8.120	8025	8.120	8087	8.120	8149	8.120	8211	8.120	8273	8.120	8335	8.120
7902	8.120	7964	8.120	8026	8.120	8088	8.120	8150	8.120	8212	8.120	8274	8.120	8336	8.120
7903	8.120	7965	8.120	8027	8.120	8089	8.120	8151	8.120	8213	8.120	8275	8.120	8337	8.120
7904	8.120	7966	8.120	8028	8.120	8090	8.120	8152	8.120	8214	8.120	8276	8.120	8338	8.120
7905	8.120	7967	8.120	8029	8.120	8091	8.120	8153	8.120	8215	8.120	8277	8.120	8339	8.120
7906	8.120	7968	8.120	8030	8.120	8092	8.120	8154	8.120	8216	8.120	8278	8.120	8340	8.120
7907	8.120	7969	8.120	8031	8.120	8093	8.120	8155	8.120	8217	8.120	8279	8.120	8341	8.120
7908	8.120	7970	8.120	8032	8.120	8094	8.120	8156	8.120	8218	8.120	8280	8.120	8342	8.120
7909	8.120	7971	8.120	8033	8.120	8095	8.120	8157	8.120	8219	8.120	8281	8.120	8343	8.120
7910	8.120	7972	8.120	8034	8.120	8096	8.120	8158	8.120	8220	8.120	8282	8.120	8344	8.120
7911	8.120	7973	8.120	8035	8.120	8097	8.120	8159	8.120	8221	8.120	8283	8.120	8345	8.120
7912	8.120	7974	8.120	8036	8.120	8098	8.120	8160	8.120	8222	8.120	8284	8.120	8346	8.120
7913	8.120	7975	8.120	8037	8.120	8099	8.120	8161	8.120	8223	8.120	8285	8.120	8347	8.120
7914	8.120	7976	8.120	8038	8.120	8100	8.120	8162	8.120	8224	8.120	8286	8.120	8348	8.120
7915	8.120	7977	8.120	8039	8.120	8101	8.120	8163	8.120	8225	8.120	8287	8.120	8349	8.120
7916	8.120	7978	8.120	8040	8.120	8102	8.120	8164	8.120	8226	8.120	8288	8.120	8350	8.120
7917	8.120	7979	8.120	8041	8.120	8103	8.120	8165	8.120	8227	8.120	8289	8.120	8351	8.120
7918	8.120	7980	8.120	8042	8.120	8104	8.120	8166	8.120	8228	8.120	8290	8.120	8352	8.120
7919	8.120	7981	8.120	8043	8.120	8105	8.120	8167	8.120	8229	8.120	8291	8.120	8353	8.120
7920	8.120	7982	8.120	8044	8.120	8106	8.120	8168	8.120	8230	8.120	8292	8.120	8354	8.120
7921	8.120	7983	8.120	8045	8.120	8107	8.120	8169	8.120	8231	8.120	8293	8.120	8355	8.120
7922	8.120	7984	8.120	8046	8.120	8108	8.120	8170	8.120	8232	8.120	8294	8.120	8356	8.120
7923	8.120	7985	8.120	8047	8.120	8109	8.120	8171	8.120	8233	8.120	8295	8.120	8357	8.120
7924	8.120	7986	8.120	8048	8.120	8110	8.120	8172	8.120	8234	8.120	8296	8.120	8358	8.120
7925	8.120	7987	8.120	8049	8.120	8111	8.120	8173	8.120	8235	8.120	8297	8.120	8359	8.120
7926	8.120	7988	8.120	8050	8.120	8112	8.120	8174	8.120	8236	8.120	8298	8.120	8360	8.120
7927	8.120	7989	8.120	8051	8.120	8113	8.120	8175	8.120	8237	8.120	8299	8.120	8361	8.120
7928	8.120	7990	8.120	8052	8.120	8114	8.120	8176	8.120	8238	8.120	8300	8.120	8362	8.120
7929	8.120	7991	8.120	8053	8.120	8115	8.120	8177	8.120	8239	8.120	8301	8.120	8363	8.120
7930	8.120	7992	8.120	8054	8.120	8116	8.120	8178	8.120	8240	8.120	8302	8.120	8364	8.120
7931	8.120	7993	8.120	8055	8.120	8117	8.120	8179	8.120	8241	8.120	8303	8.120	8365	8.120
7932	8.120	7994	8.120	8056	8.120	8118	8.120	8180	8.120	8242	8.120	8304	8.120	8366	8.120
7933	8.120	7995	8.120	8057	8.120	8119	8.120	8181	8.120	8243	8.120	8305	8.120	8367	8.120
7934	8.120	7996	8.120	8058	8.120	8120	8.120	8182	8.120	8244	8.120	8306	8.120	8368	8.120
7935	8.120	7997	8.120	8059	8.120	8121	8.120	8183	8.120	8245	8.120	8307	8.120	8369	8.120
7936	8.120	7998	8.120	8060	8.120	8122	8.120	8184	8.120	8246	8.120	8308	8.120	8370	8.120
7937	8.120	7999	8.120	8061	8.120	8123	8.120	8185	8.120	8247	8.120	8309	8.120	8371	8.120
7938	8.120	8000	8.120	8062	8.120	8124	8.120	8186	8.120	8248	8.120	8310	8.120	8372	8.120
7939	8.120	8001	8.120	8063	8.120	8125	8.120	8187	8.120	8249	8.120	8311	8.120	8373	8.120
7940	8.120	8002	8.120	8064	8.120	8126	8.120	8188	8.120	8250	8.120	8312	8.120	8374	8.120
7941	8.120	8003	8.120	8065	8.120	8127	8.120	8189	8.120	8251	8.120	8313	8.120	8375	8.120
7942	8.120	8004	8.120	8066	8.120	8128	8.120	8190	8.120	8252	8.120	8314	8.120	8376	8.120
7943	8.120	8005	8.120	8067	8.120	8129	8.120	8191	8.120	8253	8.120	8315	8.120	8377	8.120
7944	8.120	8006	8.120	8068	8.120	8130	8.120	8192	8.120	8254	8.120	8316	8.120	8378	8.120
7945	8.120	8007	8.120	8069	8.120	8131	8.120	8193	8.120	8255	8.120	8317	8.120	8379	8.120
7946	8.120	8008	8.120	8070	8.120	8132	8.120	8194	8.120	8256	8.120	8318	8.120	8380	8.120
7947	8.120	8009	8.120	8071	8.120	8133	8.120	8195	8.120	8257	8.120	8319	8.120	8381	8.120
7948	8.120	8010	8.120	8072	8.120	8134	8.120	8196	8.120	8258	8.120	8320	8.120	8382	8.120
7949	8.120	8011	8.120	8073	8.120	8135	8.120	8197	8.120	8259	8.120	8321	8.120	8383	8.120
7950	8.120	8012	8.120	8074	8.120	8136	8.120	8198	8.120	8260	8.120	8322	8.120	8384	8.120
7951	8.120	8013	8.120	8075	8.120	8137	8.120	8199	8.120	8261	8.120	8323	8.120	8385	8.120
7952	8.120	8014	8.120	8076	8.120	8138	8.120	8200	8.120	8262	8.120	8324	8.120	8386	8.120
7953	8.120	8015	8.120	8077	8.120	8139	8.120	8201	8.120	8263	8.120	8325	8.120	8387	8.120
7954	8.120	8016	8.120	8078	8.120	8140	8.120	8202	8.120	8264	8.120	8326	8.120	8388	8.120
7955	8.120	8017	8.120	8079	8.120	8141	8.120	8203	8.120	8265	8.120	8327	8.120	8389	8.120



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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8452	8.120	8514	8.120	8576	8.120	8638	8.120	8700	8.120	8762	8.120	8824	8.120	8886	8.120
8453	8.120	8515	8.120	8577	8.120	8639	8.120	8701	8.120	8763	8.120	8825	8.120	8887	8.120
8454	8.120	8516	8.120	8578	8.120	8640	8.120	8702	8.120	8764	8.120	8826	8.120	8888	8.120
8455	8.120	8517	8.120	8579	8.120	8641	8.120	8703	8.120	8765	8.120	8827	8.120	8889	8.120
8456	8.120	8518	8.120	8580	8.120	8642	8.120	8704	8.120	8766	8.120	8828	8.120	8890	8.120
8457	8.120	8519	8.120	8581	8.120	8643	8.120	8705	8.120	8767	8.120	8829	8.120	8891	8.120
8458	8.120	8520	8.120	8582	8.120	8644	8.120	8706	8.120	8768	8.120	8830	8.120	8892	8.120
8459	8.120	8521	8.120	8583	8.120	8645	8.120	8707	8.120	8769	8.120	8831	8.120	8893	8.120
8460	8.120	8522	8.120	8584	8.120	8646	8.120	8708	8.120	8770	8.120	8832	8.120	8894	8.120
8461	8.120	8523	8.120	8585	8.120	8647	8.120	8709	8.120	8771	8.120	8833	8.120	8895	8.120
8462	8.120	8524	8.120	8586	8.120	8648	8.120	8710	8.120	8772	8.120	8834	8.120	8896	8.120
8463	8.120	8525	8.120	8587	8.120	8649	8.120	8711	8.120	8773	8.120	8835	8.120	8897	8.120
8464	8.120	8526	8.120	8588	8.120	8650	8.120	8712	8.120	8774	8.120	8836	8.120	8898	8.120
8465	8.120	8527	8.120	8589	8.120	8651	8.120	8713	8.120	8775	8.120	8837	8.120	8899	8.120
8466	8.120	8528	8.120	8590	8.120	8652	8.120	8714	8.120	8776	8.120	8838	8.120	8900	8.120
8467	8.120	8529	8.120	8591	8.120	8653	8.120	8715	8.120	8777	8.120	8839	8.120	8901	8.120
8468	8.120	8530	8.120	8592	8.120	8654	8.120	8716	8.120	8778	8.120	8840	8.120	8902	8.120
8469	8.120	8531	8.120	8593	8.120	8655	8.120	8717	8.120	8779	8.120	8841	8.120	8903	8.120
8470	8.120	8532	8.120	8594	8.120	8656	8.120	8718	8.120	8780	8.120	8842	8.120	8904	8.120
8471	8.120	8533	8.120	8595	8.120	8657	8.120	8719	8.120	8781	8.120	8843	8.120	8905	8.120
8472	8.120	8534	8.120	8596	8.120	8658	8.120	8720	8.120	8782	8.120	8844	8.120	8906	8.120
8473	8.120	8535	8.120	8597	8.120	8659	8.120	8721	8.120	8783	8.120	8845	8.120	8907	8.120
8474	8.120	8536	8.120	8598	8.120	8660	8.120	8722	8.120	8784	8.120	8846	8.120	8908	8.120
8475	8.120	8537	8.120	8599	8.120	8661	8.120	8723	8.120	8785	8.120	8847	8.120	8909	8.120
8476	8.120	8538	8.120	8600	8.120	8662	8.120	8724	8.120	8786	8.120	8848	8.120	8910	8.120
8477	8.120	8539	8.120	8601	8.120	8663	8.120	8725	8.120	8787	8.120	8849	8.120	8911	8.120
8478	8.120	8540	8.120	8602	8.120	8664	8.120	8726	8.120	8788	8.120	8850	8.120	8912	8.120
8479	8.120	8541	8.120	8603	8.120	8665	8.120	8727	8.120	8789	8.120	8851	8.120	8913	8.120
8480	8.120	8542	8.120	8604	8.120	8666	8.120	8728	8.120	8790	8.120	8852	8.120	8914	8.120
8481	8.120	8543	8.120	8605	8.120	8667	8.120	8729	8.120	8791	8.120	8853	8.120	8915	8.120
8482	8.120	8544	8.120	8606	8.120	8668	8.120	8730	8.120	8792	8.120	8854	8.120	8916	8.120
8483	8.120	8545	8.120	8607	8.120	8669	8.120	8731	8.120	8793	8.120	8855	8.120	8917	8.120
8484	8.120	8546	8.120	8608	8.120	8670	8.120	8732	8.120	8794	8.120	8856	8.120	8918	8.120
8485	8.120	8547	8.120	8609	8.120	8671	8.120	8733	8.120	8795	8.120	8857	8.120	8919	8.120
8486	8.120	8548	8.120	8610	8.120	8672	8.120	8734	8.120	8796	8.120	8858	8.120	8920	8.120
8487	8.120	8549	8.120	8611	8.120	8673	8.120	8735	8.120	8797	8.120	8859	8.120	8921	8.120
8488	8.120	8550	8.120	8612	8.120	8674	8.120	8736	8.120	8798	8.120	8860	8.120	8922	8.120
8489	8.120	8551	8.120	8613	8.120	8675	8.120	8737	8.120	8799	8.120	8861	8.120	8923	8.120
8490	8.120	8552	8.120	8614	8.120	8676	8.120	8738	8.120	8800	8.120	8862	8.120	8924	8.120
8491	8.120	8553	8.120	8615	8.120	8677	8.120	8739	8.120	8801	8.120	8863	8.120	8925	8.120
8492	8.120	8554	8.120	8616	8.120	8678	8.120	8740	8.120	8802	8.120	8864	8.120	8926	8.120
8493	8.120	8555	8.120	8617	8.120	8679	8.120	8741	8.120	8803	8.120	8865	8.120	8927	8.120
8494	8.120	8556	8.120	8618	8.120	8680	8.120	8742	8.120	8804	8.120	8866	8.120	8928	8.120
8495	8.120	8557	8.120	8619	8.120	8681	8.120	8743	8.120	8805	8.120	8867	8.120	8929	8.120
8496	8.120	8558	8.120	8620	8.120	8682	8.120	8744	8.120	8806	8.120	8868	8.120	8930	8.120
8497	8.120	8559	8.120	8621	8.120	8683	8.120	8745	8.120	8807	8.120	8869	8.120	8931	8.120
8498	8.120	8560	8.120	8622	8.120	8684	8.120	8746	8.120	8808	8.120	8870	8.120	8932	8.120
8499	8.120	8561	8.120	8623	8.120	8685	8.120	8747	8.120	8809	8.120	8871	8.120	8933	8.120
8500	8.120	8562	8.120	8624	8.120	8686	8.120	8748	8.120	8810	8.120	8872	8.120	8934	8.120
8501	8.120	8563	8.120	8625	8.120	8687	8.120	8749	8.120	8811	8.120	8873	8.120	8935	8.120
8502	8.120	8564	8.120	8626	8.120	8688	8.120	8750	8.120	8812	8.120	8874	8.120	8936	8.120
8503	8.120	8565	8.120	8627	8.120	8689	8.120	8751	8.120	8813	8.120	8875	8.120	8937	8.120
8504	8.120	8566	8.120	8628	8.120	8690	8.120	8752	8.120	8814	8.120	8876	8.120	8938	8.120
8505	8.120	8567	8.120	8629	8.120	8691	8.120	8753	8.120	8815	8.120	8877	8.120	8939	8.120
8506	8.120	8568	8.120	8630	8.120	8692	8.120	8754	8.120	8816	8.120	8878	8.120	8940	8.120
8507	8.120	8569	8.120	8631	8.120	8693	8.120	8755	8.120	8817	8.120	8879	8.120	8941	8.120
8508	8.120	8570	8.120	8632	8.120	8694	8.120	8756	8.120	8818	8.120	8880	8.120	8942	8.120
8509	8.120	8571	8.120	8633	8.120	8695	8.120	8757	8.120	8819	8.120	8881	8.120	8943	8.120
8510	8.120	8572	8.120	8634	8.120	8696	8.120	8758	8.120	8820	8.120	8882	8.120	8944	8.120
8511	8.120	8573	8.120	8635	8.120	8697	8.120	8759	8.120	8821	8.120	8883	8.120	8945	8.120
8512	8.120	8574	8.120	8636	8.120	8698	8.120	8760	8.120	8822	8.120	8884	8.120	8946	8.120
8513	8.120	8575	8.120	8637	8.120	8699	8.120	8761	8.120	8823	8.120	8885	8.120	8947	8.120

Sizewell Link Road  
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SLR-AB-20



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Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for SLR-AB-20

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9010	8.120	9072	8.120	9134	8.120	9196	8.120	9258	8.120	9320	8.120	9382	8.120	9444	8.120
9011	8.120	9073	8.120	9135	8.120	9197	8.120	9259	8.120	9321	8.120	9383	8.120	9445	8.120
9012	8.120	9074	8.120	9136	8.120	9198	8.120	9260	8.120	9322	8.120	9384	8.120	9446	8.120
9013	8.120	9075	8.120	9137	8.120	9199	8.120	9261	8.120	9323	8.120	9385	8.120	9447	8.120
9014	8.120	9076	8.120	9138	8.120	9200	8.120	9262	8.120	9324	8.120	9386	8.120	9448	8.120
9015	8.120	9077	8.120	9139	8.120	9201	8.120	9263	8.120	9325	8.120	9387	8.120	9449	8.120
9016	8.120	9078	8.120	9140	8.120	9202	8.120	9264	8.120	9326	8.120	9388	8.120	9450	8.120
9017	8.120	9079	8.120	9141	8.120	9203	8.120	9265	8.120	9327	8.120	9389	8.120	9451	8.120
9018	8.120	9080	8.120	9142	8.120	9204	8.120	9266	8.120	9328	8.120	9390	8.120	9452	8.120
9019	8.120	9081	8.120	9143	8.120	9205	8.120	9267	8.120	9329	8.120	9391	8.120	9453	8.120
9020	8.120	9082	8.120	9144	8.120	9206	8.120	9268	8.120	9330	8.120	9392	8.120	9454	8.120
9021	8.120	9083	8.120	9145	8.120	9207	8.120	9269	8.120	9331	8.120	9393	8.120	9455	8.120
9022	8.120	9084	8.120	9146	8.120	9208	8.120	9270	8.120	9332	8.120	9394	8.120	9456	8.120
9023	8.120	9085	8.120	9147	8.120	9209	8.120	9271	8.120	9333	8.120	9395	8.120	9457	8.120
9024	8.120	9086	8.120	9148	8.120	9210	8.120	9272	8.120	9334	8.120	9396	8.120	9458	8.120
9025	8.120	9087	8.120	9149	8.120	9211	8.120	9273	8.120	9335	8.120	9397	8.120	9459	8.120
9026	8.120	9088	8.120	9150	8.120	9212	8.120	9274	8.120	9336	8.120	9398	8.120	9460	8.120
9027	8.120	9089	8.120	9151	8.120	9213	8.120	9275	8.120	9337	8.120	9399	8.120	9461	8.120
9028	8.120	9090	8.120	9152	8.120	9214	8.120	9276	8.120	9338	8.120	9400	8.120	9462	8.120
9029	8.120	9091	8.120	9153	8.120	9215	8.120	9277	8.120	9339	8.120	9401	8.120	9463	8.120
9030	8.120	9092	8.120	9154	8.120	9216	8.120	9278	8.120	9340	8.120	9402	8.120	9464	8.120
9031	8.120	9093	8.120	9155	8.120	9217	8.120	9279	8.120	9341	8.120	9403	8.120	9465	8.120
9032	8.120	9094	8.120	9156	8.120	9218	8.120	9280	8.120	9342	8.120	9404	8.120	9466	8.120
9033	8.120	9095	8.120	9157	8.120	9219	8.120	9281	8.120	9343	8.120	9405	8.120	9467	8.120
9034	8.120	9096	8.120	9158	8.120	9220	8.120	9282	8.120	9344	8.120	9406	8.120	9468	8.120
9035	8.120	9097	8.120	9159	8.120	9221	8.120	9283	8.120	9345	8.120	9407	8.120	9469	8.120
9036	8.120	9098	8.120	9160	8.120	9222	8.120	9284	8.120	9346	8.120	9408	8.120	9470	8.120
9037	8.120	9099	8.120	9161	8.120	9223	8.120	9285	8.120	9347	8.120	9409	8.120	9471	8.120
9038	8.120	9100	8.120	9162	8.120	9224	8.120	9286	8.120	9348	8.120	9410	8.120	9472	8.120
9039	8.120	9101	8.120	9163	8.120	9225	8.120	9287	8.120	9349	8.120	9411	8.120	9473	8.120
9040	8.120	9102	8.120	9164	8.120	9226	8.120	9288	8.120	9350	8.120	9412	8.120	9474	8.120
9041	8.120	9103	8.120	9165	8.120	9227	8.120	9289	8.120	9351	8.120	9413	8.120	9475	8.120
9042	8.120	9104	8.120	9166	8.120	9228	8.120	9290	8.120	9352	8.120	9414	8.120	9476	8.120
9043	8.120	9105	8.120	9167	8.120	9229	8.120	9291	8.120	9353	8.120	9415	8.120	9477	8.120
9044	8.120	9106	8.120	9168	8.120	9230	8.120	9292	8.120	9354	8.120	9416	8.120	9478	8.120
9045	8.120	9107	8.120	9169	8.120	9231	8.120	9293	8.120	9355	8.120	9417	8.120	9479	8.120
9046	8.120	9108	8.120	9170	8.120	9232	8.120	9294	8.120	9356	8.120	9418	8.120	9480	8.120
9047	8.120	9109	8.120	9171	8.120	9233	8.120	9295	8.120	9357	8.120	9419	8.120	9481	8.120
9048	8.120	9110	8.120	9172	8.120	9234	8.120	9296	8.120	9358	8.120	9420	8.120	9482	8.120
9049	8.120	9111	8.120	9173	8.120	9235	8.120	9297	8.120	9359	8.120	9421	8.120	9483	8.120
9050	8.120	9112	8.120	9174	8.120	9236	8.120	9298	8.120	9360	8.120	9422	8.120	9484	8.120
9051	8.120	9113	8.120	9175	8.120	9237	8.120	9299	8.120	9361	8.120	9423	8.120	9485	8.120
9052	8.120	9114	8.120	9176	8.120	9238	8.120	9300	8.120	9362	8.120	9424	8.120	9486	8.120
9053	8.120	9115	8.120	9177	8.120	9239	8.120	9301	8.120	9363	8.120	9425	8.120	9487	8.120
9054	8.120	9116	8.120	9178	8.120	9240	8.120	9302	8.120	9364	8.120	9426	8.120	9488	8.120
9055	8.120	9117	8.120	9179	8.120	9241	8.120	9303	8.120	9365	8.120	9427	8.120	9489	8.120
9056	8.120	9118	8.120	9180	8.120	9242	8.120	9304	8.120	9366	8.120	9428	8.120	9490	8.120
9057	8.120	9119	8.120	9181	8.120	9243	8.120	9305	8.120	9367	8.120	9429	8.120	9491	8.120
9058	8.120	9120	8.120	9182	8.120	9244	8.120	9306	8.120	9368	8.120	9430	8.120	9492	8.120
9059	8.120	9121	8.120	9183	8.120	9245	8.120	9307	8.120	9369	8.120	9431	8.120	9493	8.120
9060	8.120	9122	8.120	9184	8.120	9246	8.120	9308	8.120	9370	8.120	9432	8.120	9494	8.120
9061	8.120	9123	8.120	9185	8.120	9247	8.120	9309	8.120	9371	8.120	9433	8.120	9495	8.120
9062	8.120	9124	8.120	9186	8.120	9248	8.120	9310	8.120	9372	8.120	9434	8.120	9496	8.120
9063	8.120	9125	8.120	9187	8.120	9249	8.120	9311	8.120	9373	8.120	9435	8.120	9497	8.120
9064	8.120	9126	8.120	9188	8.120	9250	8.120	9312	8.120	9374	8.120	9436	8.120	9498	8.120
9065	8.120	9127	8.120	9189	8.120	9251	8.120	9313	8.120	9375	8.120	9437	8.120	9499	8.120
9066	8.120	9128	8.120	9190	8.120	9252	8.120	9314	8.120	9376	8.120	9438	8.120	9500	8.120
9067	8.120	9129	8.120	9191	8.120	9253	8.120	9315	8.120	9377	8.120	9439	8.120	9501	8.120
9068	8.120	9130	8.120	9192	8.120	9254	8.120	9316	8.120	9378	8.120	9440	8.120	9502	8.120
9069	8.120	9131	8.120	9193	8.120	9255	8.120	9317	8.120	9379	8.120	9441	8.120	9503	8.120
9070	8.120	9132	8.120	9194	8.120	9256	8.120	9318	8.120	9380	8.120	9442	8.120	9504	8.120
9071	8.120	9133	8.120	9195	8.120	9257	8.120	9319	8.120	9381	8.120	9443	8.120	9505	8.120

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Surcharged Outfall Details for SLR-AB-20

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9568	8.120	9630	8.120	9692	8.120	9754	8.120	9816	8.120	9878	8.120	9940	8.120	10002	8.120
9569	8.120	9631	8.120	9693	8.120	9755	8.120	9817	8.120	9879	8.120	9941	8.120	10003	8.120
9570	8.120	9632	8.120	9694	8.120	9756	8.120	9818	8.120	9880	8.120	9942	8.120	10004	8.120
9571	8.120	9633	8.120	9695	8.120	9757	8.120	9819	8.120	9881	8.120	9943	8.120	10005	8.120
9572	8.120	9634	8.120	9696	8.120	9758	8.120	9820	8.120	9882	8.120	9944	8.120	10006	8.120
9573	8.120	9635	8.120	9697	8.120	9759	8.120	9821	8.120	9883	8.120	9945	8.120	10007	8.120
9574	8.120	9636	8.120	9698	8.120	9760	8.120	9822	8.120	9884	8.120	9946	8.120	10008	8.120
9575	8.120	9637	8.120	9699	8.120	9761	8.120	9823	8.120	9885	8.120	9947	8.120	10009	8.120
9576	8.120	9638	8.120	9700	8.120	9762	8.120	9824	8.120	9886	8.120	9948	8.120	10010	8.120
9577	8.120	9639	8.120	9701	8.120	9763	8.120	9825	8.120	9887	8.120	9949	8.120	10011	8.120
9578	8.120	9640	8.120	9702	8.120	9764	8.120	9826	8.120	9888	8.120	9950	8.120	10012	8.120
9579	8.120	9641	8.120	9703	8.120	9765	8.120	9827	8.120	9889	8.120	9951	8.120	10013	8.120
9580	8.120	9642	8.120	9704	8.120	9766	8.120	9828	8.120	9890	8.120	9952	8.120	10014	8.120
9581	8.120	9643	8.120	9705	8.120	9767	8.120	9829	8.120	9891	8.120	9953	8.120	10015	8.120
9582	8.120	9644	8.120	9706	8.120	9768	8.120	9830	8.120	9892	8.120	9954	8.120	10016	8.120
9583	8.120	9645	8.120	9707	8.120	9769	8.120	9831	8.120	9893	8.120	9955	8.120	10017	8.120
9584	8.120	9646	8.120	9708	8.120	9770	8.120	9832	8.120	9894	8.120	9956	8.120	10018	8.120
9585	8.120	9647	8.120	9709	8.120	9771	8.120	9833	8.120	9895	8.120	9957	8.120	10019	8.120
9586	8.120	9648	8.120	9710	8.120	9772	8.120	9834	8.120	9896	8.120	9958	8.120	10020	8.120
9587	8.120	9649	8.120	9711	8.120	9773	8.120	9835	8.120	9897	8.120	9959	8.120	10021	8.120
9588	8.120	9650	8.120	9712	8.120	9774	8.120	9836	8.120	9898	8.120	9960	8.120	10022	8.120
9589	8.120	9651	8.120	9713	8.120	9775	8.120	9837	8.120	9899	8.120	9961	8.120	10023	8.120
9590	8.120	9652	8.120	9714	8.120	9776	8.120	9838	8.120	9900	8.120	9962	8.120	10024	8.120
9591	8.120	9653	8.120	9715	8.120	9777	8.120	9839	8.120	9901	8.120	9963	8.120	10025	8.120
9592	8.120	9654	8.120	9716	8.120	9778	8.120	9840	8.120	9902	8.120	9964	8.120	10026	8.120
9593	8.120	9655	8.120	9717	8.120	9779	8.120	9841	8.120	9903	8.120	9965	8.120	10027	8.120
9594	8.120	9656	8.120	9718	8.120	9780	8.120	9842	8.120	9904	8.120	9966	8.120	10028	8.120
9595	8.120	9657	8.120	9719	8.120	9781	8.120	9843	8.120	9905	8.120	9967	8.120	10029	8.120
9596	8.120	9658	8.120	9720	8.120	9782	8.120	9844	8.120	9906	8.120	9968	8.120	10030	8.120
9597	8.120	9659	8.120	9721	8.120	9783	8.120	9845	8.120	9907	8.120	9969	8.120	10031	8.120
9598	8.120	9660	8.120	9722	8.120	9784	8.120	9846	8.120	9908	8.120	9970	8.120	10032	8.120
9599	8.120	9661	8.120	9723	8.120	9785	8.120	9847	8.120	9909	8.120	9971	8.120	10033	8.120
9600	8.120	9662	8.120	9724	8.120	9786	8.120	9848	8.120	9910	8.120	9972	8.120	10034	8.120
9601	8.120	9663	8.120	9725	8.120	9787	8.120	9849	8.120	9911	8.120	9973	8.120	10035	8.120
9602	8.120	9664	8.120	9726	8.120	9788	8.120	9850	8.120	9912	8.120	9974	8.120	10036	8.120
9603	8.120	9665	8.120	9727	8.120	9789	8.120	9851	8.120	9913	8.120	9975	8.120	10037	8.120
9604	8.120	9666	8.120	9728	8.120	9790	8.120	9852	8.120	9914	8.120	9976	8.120	10038	8.120
9605	8.120	9667	8.120	9729	8.120	9791	8.120	9853	8.120	9915	8.120	9977	8.120	10039	8.120
9606	8.120	9668	8.120	9730	8.120	9792	8.120	9854	8.120	9916	8.120	9978	8.120	10040	8.120
9607	8.120	9669	8.120	9731	8.120	9793	8.120	9855	8.120	9917	8.120	9979	8.120	10041	8.120
9608	8.120	9670	8.120	9732	8.120	9794	8.120	9856	8.120	9918	8.120	9980	8.120	10042	8.120
9609	8.120	9671	8.120	9733	8.120	9795	8.120	9857	8.120	9919	8.120	9981	8.120	10043	8.120
9610	8.120	9672	8.120	9734	8.120	9796	8.120	9858	8.120	9920	8.120	9982	8.120	10044	8.120
9611	8.120	9673	8.120	9735	8.120	9797	8.120	9859	8.120	9921	8.120	9983	8.120	10045	8.120
9612	8.120	9674	8.120	9736	8.120	9798	8.120	9860	8.120	9922	8.120	9984	8.120	10046	8.120
9613	8.120	9675	8.120	9737	8.120	9799	8.120	9861	8.120	9923	8.120	9985	8.120	10047	8.120
9614	8.120	9676	8.120	9738	8.120	9800	8.120	9862	8.120	9924	8.120	9986	8.120	10048	8.120
9615	8.120	9677	8.120	9739	8.120	9801	8.120	9863	8.120	9925	8.120	9987	8.120	10049	8.120
9616	8.120	9678	8.120	9740	8.120	9802	8.120	9864	8.120	9926	8.120	9988	8.120	10050	8.120
9617	8.120	9679	8.120	9741	8.120	9803	8.120	9865	8.120	9927	8.120	9989	8.120	10051	8.120
9618	8.120	9680	8.120	9742	8.120	9804	8.120	9866	8.120	9928	8.120	9990	8.120	10052	8.120
9619	8.120	9681	8.120	9743	8.120	9805	8.120	9867	8.120	9929	8.120	9991	8.120	10053	8.120
9620	8.120	9682	8.120	9744	8.120	9806	8.120	9868	8.120	9930	8.120	9992	8.120	10054	8.120
9621	8.120	9683	8.120	9745	8.120	9807	8.120	9869	8.120	9931	8.120	9993	8.120	10055	8.120
9622	8.120	9684	8.120	9746	8.120	9808	8.120	9870	8.120	9932	8.120	9994	8.120	10056	8.120
9623	8.120	9685	8.120	9747	8.120	9809	8.120	9871	8.120	9933	8.120	9995	8.120	10057	8.120
9624	8.120	9686	8.120	9748	8.120	9810	8.120	9872	8.120	9934	8.120	9996	8.120	10058	8.120
9625	8.120	9687	8.120	9749	8.120	9811	8.120	9873	8.120	9935	8.120	9997	8.120	10059	8.120
9626	8.120	9688	8.120	9750	8.120	9812	8.120	9874	8.120	9936	8.120	9998	8.120	10060	8.120
9627	8.120	9689	8.120	9751	8.120	9813	8.120	9875	8.120	9937	8.120	9999	8.120	10061	8.120
9628	8.120	9690	8.120	9752	8.120	9814	8.120	9876	8.120	9938	8.120	10000	8.120	10062	8.120
9629	8.120	9691	8.120	9753	8.120	9815	8.120	9877	8.120	9939	8.120	10001	8.120	10063	8.120





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Online Controls for SLR-AB-20

Hydro-Brake® Optimum Manhole: S38, DS/PN: S30.008, Volume (m³): 6.3

Unit Reference MD-SHE-0101-5000-1300-5000  
Design Head (m) 1.300  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 101  
Invert Level (m) 9.025  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.300	5.0	Kick-Flo®	0.798	4.0
Flush-Flo™	0.384	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.4	0.800	4.0	2.000	6.1	4.000	8.5	7.000	11.0
0.200	4.7	1.000	4.4	2.200	6.4	4.500	9.0	7.500	11.4
0.300	4.9	1.200	4.8	2.400	6.7	5.000	9.4	8.000	11.8
0.400	5.0	1.400	5.2	2.600	6.9	5.500	9.8	8.500	12.1
0.500	4.9	1.600	5.5	3.000	7.4	6.000	10.3	9.000	12.5
0.600	4.8	1.800	5.8	3.500	7.9	6.500	10.7	9.500	12.8

Hydro-Brake® Optimum Manhole: S32, DS/PN: S27.009, Volume (m³): 8.6

Unit Reference MD-SHE-0098-5000-1500-5000  
Design Head (m) 1.500  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 98  
Invert Level (m) 7.723  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.500	5.0	Kick-Flo®	0.878	3.9
Flush-Flo™	0.431	4.9	Mean Flow over Head Range	-	4.3

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.2	0.800	4.3	2.000	5.7	4.000	7.9	7.000	10.3
0.200	4.4	1.000	4.1	2.200	6.0	4.500	8.4	7.500	10.7
0.300	4.8	1.200	4.5	2.400	6.2	5.000	8.8	8.000	11.0
0.400	4.9	1.400	4.8	2.600	6.5	5.500	9.2	8.500	11.3
0.500	4.9	1.600	5.1	3.000	6.9	6.000	9.6	9.000	11.6
0.600	4.8	1.800	5.4	3.500	7.4	6.500	10.0	9.500	11.9

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Storage Structures for SLR-AB-20

Tank or Pond Manhole: S38, DS/PN: S30.008

Invert Level (m) 9.025

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	600.0	2.000	2200.0

Tank or Pond Manhole: S32, DS/PN: S27.009

Invert Level (m) 7.723

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	2.000	2500.0



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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 40, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S27.000	S1	15 Winter	2	+40%					21.068	-0.307	0.000
S28.000	S2	15 Winter	2	+40%					22.048	-0.327	0.000
S28.001	S3	15 Winter	2	+40%					21.125	-0.336	0.000
S27.001	S25	15 Winter	2	+40%					19.957	-0.248	0.000
S27.002	S26	15 Winter	2	+40%	100/15 Summer				19.396	-0.213	0.000
S27.003	S27	15 Winter	2	+40%					19.204	-0.254	0.000
S27.004	S4	15 Winter	2	+40%	30/15 Summer				17.853	-0.182	0.000
S29.000	S5	15 Winter	2	+40%					20.444	-0.222	0.000
S29.001	S6	15 Winter	2	+40%					19.762	-0.205	0.000
S29.002	S7	15 Winter	2	+40%					19.746	-0.207	0.000
S29.003	S8	15 Winter	2	+40%					19.707	-0.198	0.000
S29.004	S9	15 Winter	2	+40%					19.395	-0.227	0.000
S29.005	S10	15 Winter	2	+40%					17.730	-0.230	0.000
S27.005	S28	15 Winter	2	+40%					16.972	-0.234	0.000
S27.006	S29	15 Winter	2	+40%					14.128	-0.227	0.000
S27.007	S30	15 Winter	2	+40%	100/15 Summer				10.850	-0.213	0.000
S30.000	S31	15 Winter	2	+40%					21.157	-0.198	0.000
S30.001	S32	15 Winter	2	+40%					20.543	-0.212	0.000
S30.002	S10	15 Winter	2	+40%	30/15 Winter				19.403	-0.157	0.000
S30.003	S33	15 Winter	2	+40%	100/15 Winter				19.157	-0.175	0.000
S31.000	S18	15 Winter	2	+40%					21.418	-0.187	0.000
S31.001	S19	15 Winter	2	+40%	100/15 Summer				20.699	-0.157	0.000
S31.002	S20	15 Winter	2	+40%	30/15 Summer				20.499	-0.123	0.000
S31.003	S21	15 Winter	2	+40%					19.866	-0.151	0.000
S31.004	S22	15 Winter	2	+40%					18.479	-0.161	0.000
S30.004	S34	15 Winter	2	+40%					17.672	-0.248	0.000
S30.005	S35	15 Winter	2	+40%					16.728	-0.252	0.000
S30.006	S36	15 Winter	2	+40%	100/15 Summer				13.065	-0.235	0.000
S30.007	S37	15 Winter	2	+40%	2/15 Summer				9.524	0.027	0.000
S30.008	S38	480 Winter	2	+40%	30/120 Summer				9.288	-0.113	0.000
S30.009	S39	480 Summer	2	+40%	100/1440 Winter				8.586	-0.329	0.000
S30.010	S40	2880 Winter	2	+40%	30/2160 Winter				8.403	-0.298	0.000
S27.008	S31	2880 Winter	2	+40%	30/600 Winter				8.398	-0.117	0.000
S27.009	S32	2880 Winter	2	+40%	2/960 Winter				8.396	0.073	0.000

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

PN	US/MH Name	Flow / Overflow Cap.	Pipe Flow (l/s)	Status	Level Exceeded
S27.000	S1	0.07	11.0	OK	
S28.000	S2	0.04	9.6	OK	
S28.001	S3	0.02	9.6	OK	
S27.001	S25	0.24	35.3	OK	
S27.002	S26	0.38	44.0	OK	
S27.003	S27	0.22	55.0	OK	
S27.004	S4	0.52	63.6	OK	
S29.000	S5	0.13	11.0	OK	
S29.001	S6	0.22	11.1	OK	
S29.002	S7	0.21	11.8	OK	
S29.003	S8	0.24	16.4	OK	
S29.004	S9	0.13	21.9	OK	
S29.005	S10	0.12	21.9	OK	
S27.005	S28	0.30	99.5	OK	
S27.006	S29	0.33	114.9	OK	
S27.007	S30	0.39	133.3	OK	
S30.000	S31	0.24	21.6	OK	
S30.001	S32	0.19	29.2	OK	
S30.002	S10	0.44	29.7	OK	
S30.003	S33	0.35	45.6	OK	
S31.000	S18	0.07	4.2	OK	
S31.001	S19	0.20	7.4	OK	
S31.002	S20	0.38	15.0	OK	
S31.003	S21	0.24	19.4	OK	
S31.004	S22	0.18	19.4	OK	
S30.004	S34	0.25	77.6	OK	
S30.005	S35	0.23	87.5	OK	
S30.006	S36	0.29	111.2	OK	
S30.007	S37	1.20	118.2	SURCHARGED	
S30.008	S38	0.02	4.8	OK	
S30.009	S39	0.04	4.8	OK	
S30.010	S40	0.03	4.3	OK	
S27.008	S31	0.02	10.8	OK	
S27.009	S32	0.02	4.7	SURCHARGED	

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S27.010	S32	2880 Winter	2	+40%					8.122	-0.163	0.000	0.02
S27.011	S32	2880 Winter	2	+40%					8.121	-0.126	0.000	0.04

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S27.010	S32		4.7	OK	
S27.011	S32		4.7	OK	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 40, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S27.000	S1	15 Winter	5	+40%					21.080	-0.295	0.000
S28.000	S2	15 Winter	5	+40%					22.056	-0.319	0.000
S28.001	S3	15 Winter	5	+40%					21.129	-0.332	0.000
S27.001	S25	15 Winter	5	+40%					19.981	-0.224	0.000
S27.002	S26	15 Winter	5	+40%	100/15 Summer				19.428	-0.181	0.000
S27.003	S27	15 Winter	5	+40%					19.225	-0.233	0.000
S27.004	S4	15 Winter	5	+40%	30/15 Summer				17.894	-0.141	0.000
S29.000	S5	15 Winter	5	+40%					20.459	-0.207	0.000
S29.001	S6	15 Winter	5	+40%					19.778	-0.189	0.000
S29.002	S7	15 Winter	5	+40%					19.763	-0.191	0.000
S29.003	S8	15 Winter	5	+40%					19.726	-0.179	0.000
S29.004	S9	15 Winter	5	+40%					19.409	-0.214	0.000
S29.005	S10	15 Winter	5	+40%					17.742	-0.218	0.000
S27.005	S28	15 Winter	5	+40%					16.997	-0.209	0.000
S27.006	S29	15 Winter	5	+40%					14.155	-0.200	0.000
S27.007	S30	15 Winter	5	+40%	100/15 Summer				10.881	-0.181	0.000
S30.000	S31	15 Winter	5	+40%					21.176	-0.179	0.000
S30.001	S32	15 Winter	5	+40%					20.558	-0.197	0.000
S30.002	S10	15 Winter	5	+40%	30/15 Winter				19.432	-0.128	0.000
S30.003	S33	15 Winter	5	+40%	100/15 Winter				19.181	-0.152	0.000
S31.000	S18	15 Winter	5	+40%					21.425	-0.180	0.000
S31.001	S19	15 Winter	5	+40%	100/15 Summer				20.711	-0.145	0.000
S31.002	S20	15 Winter	5	+40%	30/15 Summer				20.519	-0.103	0.000
S31.003	S21	15 Winter	5	+40%					19.879	-0.137	0.000
S31.004	S22	15 Winter	5	+40%					18.490	-0.150	0.000
S30.004	S34	15 Winter	5	+40%					17.695	-0.225	0.000
S30.005	S35	15 Winter	5	+40%					16.750	-0.230	0.000
S30.006	S36	15 Winter	5	+40%	100/15 Summer				13.090	-0.210	0.000
S30.007	S37	15 Winter	5	+40%	2/15 Summer				9.639	0.142	0.000
S30.008	S38	480 Winter	5	+40%	30/120 Summer				9.358	-0.042	0.000
S30.009	S39	120 Summer	5	+40%	100/1440 Winter				8.586	-0.329	0.000
S30.010	S40	2880 Winter	5	+40%	30/2160 Winter				8.496	-0.205	0.000
S27.008	S31	2880 Winter	5	+40%	30/600 Winter				8.494	-0.021	0.000
S27.009	S32	2880 Winter	5	+40%	2/960 Winter				8.488	0.165	0.000

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

PN	US/MH Name	Flow / Overflow Cap.	Pipe Flow (l/s)	Status	Level Exceeded
S27.000	S1	0.10	14.9	OK	
S28.000	S2	0.05	12.8	OK	
S28.001	S3	0.03	12.9	OK	
S27.001	S25	0.32	47.6	OK	
S27.002	S26	0.52	59.6	OK	
S27.003	S27	0.30	74.3	OK	
S27.004	S4	0.71	86.0	OK	
S29.000	S5	0.18	14.8	OK	
S29.001	S6	0.30	14.9	OK	
S29.002	S7	0.28	15.9	OK	
S29.003	S8	0.33	22.1	OK	
S29.004	S9	0.18	29.6	OK	
S29.005	S10	0.17	29.6	OK	
S27.005	S28	0.40	134.4	OK	
S27.006	S29	0.44	155.1	OK	
S27.007	S30	0.52	179.9	OK	
S30.000	S31	0.32	29.2	OK	
S30.001	S32	0.25	39.4	OK	
S30.002	S10	0.60	40.1	OK	
S30.003	S33	0.48	61.5	OK	
S31.000	S18	0.09	5.7	OK	
S31.001	S19	0.26	10.0	OK	
S31.002	S20	0.52	20.3	OK	
S31.003	S21	0.32	26.2	OK	
S31.004	S22	0.24	26.2	OK	
S30.004	S34	0.33	104.8	OK	
S30.005	S35	0.31	118.0	OK	
S30.006	S36	0.40	150.0	OK	
S30.007	S37	1.61	158.7	SURCHARGED	
S30.008	S38	0.02	4.8	OK	
S30.009	S39	0.04	4.8	OK	
S30.010	S40	0.04	4.6	OK	
S27.008	S31	0.03	12.4	OK	
S27.009	S32	0.02	4.8	SURCHARGED	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S27.010	S32	2880 Winter	5	+40%					8.123	-0.162	0.000	0.02
S27.011	S32	2880 Winter	5	+40%					8.121	-0.126	0.000	0.04

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S27.010	S32		4.8	OK	
S27.011	S32		4.8	OK	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 40, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S27.000	S1	15 Winter	30	+40%					21.103	-0.272	0.000
S28.000	S2	15 Winter	30	+40%					22.076	-0.299	0.000
S28.001	S3	15 Winter	30	+40%					21.141	-0.320	0.000
S27.001	S25	15 Winter	30	+40%					20.046	-0.159	0.000
S27.002	S26	15 Winter	30	+40%	100/15 Summer				19.524	-0.085	0.000
S27.003	S27	15 Winter	30	+40%					19.284	-0.174	0.000
S27.004	S4	15 Winter	30	+40%	30/15 Summer				18.194	0.159	0.000
S29.000	S5	15 Winter	30	+40%					20.487	-0.179	0.000
S29.001	S6	15 Winter	30	+40%					19.815	-0.152	0.000
S29.002	S7	15 Winter	30	+40%					19.804	-0.150	0.000
S29.003	S8	15 Winter	30	+40%					19.771	-0.135	0.000
S29.004	S9	15 Winter	30	+40%					19.438	-0.184	0.000
S29.005	S10	15 Winter	30	+40%					17.770	-0.190	0.000
S27.005	S28	15 Winter	30	+40%					17.061	-0.145	0.000
S27.006	S29	15 Winter	30	+40%					14.230	-0.125	0.000
S27.007	S30	15 Winter	30	+40%	100/15 Summer				10.977	-0.085	0.000
S30.000	S31	15 Winter	30	+40%					21.216	-0.139	0.000
S30.001	S32	15 Winter	30	+40%					20.597	-0.158	0.000
S30.002	S10	15 Winter	30	+40%	30/15 Winter				19.574	0.014	0.000
S30.003	S33	15 Winter	30	+40%	100/15 Winter				19.249	-0.084	0.000
S31.000	S18	15 Winter	30	+40%					21.438	-0.167	0.000
S31.001	S19	15 Winter	30	+40%	100/15 Summer				20.743	-0.113	0.000
S31.002	S20	15 Winter	30	+40%	30/15 Summer				20.639	0.017	0.000
S31.003	S21	15 Winter	30	+40%					19.916	-0.101	0.000
S31.004	S22	15 Winter	30	+40%					18.520	-0.120	0.000
S30.004	S34	15 Winter	30	+40%					17.757	-0.163	0.000
S30.005	S35	15 Winter	30	+40%					16.811	-0.169	0.000
S30.006	S36	15 Winter	30	+40%	100/15 Summer				13.172	-0.128	0.000
S30.007	S37	15 Winter	30	+40%	2/15 Summer				10.286	0.788	0.000
S30.008	S38	600 Winter	30	+40%	30/120 Summer				9.559	0.159	0.000
S30.009	S39	4320 Winter	30	+40%	100/1440 Winter				8.779	-0.135	0.000
S30.010	S40	4320 Winter	30	+40%	30/2160 Winter				8.777	0.075	0.000
S27.008	S31	4320 Winter	30	+40%	30/600 Winter				8.774	0.259	0.000
S27.009	S32	4320 Winter	30	+40%	2/960 Winter				8.773	0.450	0.000



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### 30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

PN	US/MH Name	Flow / Overflow Cap. (1/s)	Pipe Flow (1/s)	Status	Level Exceeded
S27.000	S1	0.17	24.7	OK	
S28.000	S2	0.09	21.2	OK	
S28.001	S3	0.05	21.4	OK	
S27.001	S25	0.57	84.7	OK	
S27.002	S26	0.93	107.6	OK	
S27.003	S27	0.54	133.6	OK	
S27.004	S4	1.23	150.0	SURCHARGED	
S29.000	S5	0.30	24.5	OK	
S29.001	S6	0.49	24.6	OK	
S29.002	S7	0.46	26.3	OK	
S29.003	S8	0.55	36.9	OK	
S29.004	S9	0.31	50.6	OK	
S29.005	S10	0.29	50.8	OK	
S27.005	S28	0.67	225.3	OK	
S27.006	S29	0.76	266.3	OK	
S27.007	S30	0.92	319.2	OK	
S30.000	S31	0.53	48.3	OK	
S30.001	S32	0.44	68.5	OK	
S30.002	S10	1.02	68.3	SURCHARGED	
S30.003	S33	0.83	107.0	OK	
S31.000	S18	0.14	9.4	OK	
S31.001	S19	0.48	18.0	OK	
S31.002	S20	0.95	37.1	SURCHARGED	
S31.003	S21	0.57	47.1	OK	
S31.004	S22	0.44	47.3	OK	
S30.004	S34	0.60	188.2	OK	
S30.005	S35	0.57	213.4	OK	
S30.006	S36	0.74	281.0	OK	
S30.007	S37	3.00	295.0	SURCHARGED	
S30.008	S38	0.02	4.8	SURCHARGED	
S30.009	S39	0.04	4.9	OK	
S30.010	S40	0.04	4.9	SURCHARGED	
S27.008	S31	0.03	13.5	SURCHARGED	
S27.009	S32	0.02	4.9	SURCHARGED	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged	Flooded	Flow / Cap.
									Level (m)	Depth (m)	Volume (m³)	
S27.010	S32 960	Winter	30	+40%					8.123	-0.162	0.000	0.02
S27.011	S32 960	Winter	30	+40%					8.121	-0.126	0.000	0.04

PN	US/MH Name	Pipe Overflow (l/s)	Pipe Flow (l/s)	Status	Level
					Exceeded
S27.010	S32		4.9	OK	
S27.011	S32		4.9	OK	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 40, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S27.000	S1	15 Winter	100	+40%					21.118	-0.257	0.000
S28.000	S2	15 Winter	100	+40%					22.084	-0.291	0.000
S28.001	S3	15 Winter	100	+40%					21.149	-0.312	0.000
S27.001	S25	15 Winter	100	+40%					20.085	-0.120	0.000
S27.002	S26	15 Winter	100	+40%	100/15 Summer				19.647	0.038	0.000
S27.003	S27	15 Winter	100	+40%					19.308	-0.150	0.000
S27.004	S4	15 Winter	100	+40%	30/15 Summer				18.428	0.393	0.000
S29.000	S5	15 Winter	100	+40%					20.505	-0.161	0.000
S29.001	S6	15 Winter	100	+40%					19.842	-0.125	0.000
S29.002	S7	15 Winter	100	+40%					19.832	-0.122	0.000
S29.003	S8	15 Winter	100	+40%					19.800	-0.105	0.000
S29.004	S9	15 Winter	100	+40%					19.455	-0.167	0.000
S29.005	S10	15 Winter	100	+40%					17.786	-0.174	0.000
S27.005	S28	15 Winter	100	+40%					17.101	-0.105	0.000
S27.006	S29	15 Winter	100	+40%					14.300	-0.055	0.000
S27.007	S30	15 Winter	100	+40%	100/15 Summer				11.380	0.317	0.000
S30.000	S31	15 Winter	100	+40%					21.245	-0.110	0.000
S30.001	S32	15 Winter	100	+40%					20.619	-0.136	0.000
S30.002	S10	15 Winter	100	+40%	30/15 Winter				19.743	0.183	0.000
S30.003	S33	15 Winter	100	+40%	100/15 Winter				19.336	0.003	0.000
S31.000	S18	15 Winter	100	+40%					21.446	-0.159	0.000
S31.001	S19	15 Winter	100	+40%	100/15 Summer				20.936	0.080	0.000
S31.002	S20	15 Winter	100	+40%	30/15 Summer				20.871	0.249	0.000
S31.003	S21	15 Winter	100	+40%					19.930	-0.087	0.000
S31.004	S22	15 Winter	100	+40%					18.530	-0.110	0.000
S30.004	S34	15 Winter	100	+40%					17.785	-0.135	0.000
S30.005	S35	15 Winter	100	+40%					16.841	-0.139	0.000
S30.006	S36	15 Winter	100	+40%	100/15 Summer				13.610	0.310	0.000
S30.007	S37	15 Winter	100	+40%	2/15 Summer				10.630	1.132	0.000
S30.008	S38	960 Winter	100	+40%	30/120 Summer				9.789	0.388	0.000
S30.009	S39	4320 Winter	100	+40%	100/1440 Winter				9.072	0.158	0.000
S30.010	S40	4320 Winter	100	+40%	30/2160 Winter				9.069	0.368	0.000
S27.008	S31	4320 Winter	100	+40%	30/600 Winter				9.067	0.552	0.000
S27.009	S32	4320 Winter	100	+40%	2/960 Winter				9.066	0.743	0.000

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

PN	US/MH Name	Flow / Cap.	Overflow (1/s)	Pipe Flow (1/s)	Status	Level Exceeded
S27.000	S1	0.21		31.7	OK	
S28.000	S2	0.11		27.2	OK	
S28.001	S3	0.07		27.3	OK	
S27.001	S25	0.73		108.5	OK	
S27.002	S26	1.14		131.7	SURCHARGED	
S27.003	S27	0.65		160.8	OK	
S27.004	S4	1.49		181.4	FLOOD RISK	
S29.000	S5	0.38		31.3	OK	
S29.001	S6	0.63		31.8	OK	
S29.002	S7	0.59		33.9	OK	
S29.003	S8	0.70		47.3	OK	
S29.004	S9	0.39		64.7	OK	
S29.005	S10	0.37		65.0	OK	
S27.005	S28	0.84		280.0	OK	
S27.006	S29	0.94		329.5	OK	
S27.007	S30	1.07		370.5	FLOOD RISK	
S30.000	S31	0.68		61.8	OK	
S30.001	S32	0.57		87.6	OK	
S30.002	S10	1.29		86.6	SURCHARGED	
S30.003	S33	1.00		129.1	SURCHARGED	
S31.000	S18	0.19		12.0	OK	
S31.001	S19	0.56		21.0	SURCHARGED	
S31.002	S20	1.11		43.3	SURCHARGED	
S31.003	S21	0.67		55.3	OK	
S31.004	S22	0.52		55.5	OK	
S30.004	S34	0.72		227.8	OK	
S30.005	S35	0.70		262.9	OK	
S30.006	S36	0.88		332.8	SURCHARGED	
S30.007	S37	3.55		350.0	SURCHARGED	
S30.008	S38	0.02		4.8	SURCHARGED	
S30.009	S39	0.04		5.0	SURCHARGED	
S30.010	S40	0.04		5.0	FLOOD RISK	
S27.008	S31	0.04		16.7	FLOOD RISK	
S27.009	S32	0.02		4.9	SURCHARGED	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-20

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.
S27.010	S32 240	Winter	100	+40%					8.123	-0.162	0.000	0.02
S27.011	S32 240	Winter	100	+40%					8.121	-0.126	0.000	0.04

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S27.010	S32		4.9	OK	
S27.011	S32		4.9	OK	

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### STORM SEWER DESIGN by the Modified Rational Method

#### Design Criteria for AB-24

Pipe Sizes STANDARD Manhole Sizes STANDARD

FEH Rainfall Model

Return Period (years)	30
FEH Rainfall Version	2013
Site Location GB 640286 267538 TM 40286 67538	
Data Type	Point
Maximum Rainfall (mm/hr)	100
Maximum Time of Concentration (mins)	30
Foul Sewage (l/s/ha)	0.000
Volumetric Runoff Coeff.	0.750
PIMP (%)	100
Add Flow / Climate Change (%)	0
Minimum Backdrop Height (m)	0.200
Maximum Backdrop Height (m)	1.500
Min Design Depth for Optimisation (m)	1.000
Min Vel for Auto Design only (m/s)	0.75
Min Slope for Optimisation (1:X)	500

Designed with Level Soffits

#### Time Area Diagram for AB-24

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)		
0-4	0.049	4-8	0.561	8-12	0.773	12-16	0.297	16-20	0.128	20-24	0.072	24-28	0.038	28-32	0.000

Total Area Contributing (ha) = 1.918

Total Pipe Volume (m<sup>3</sup>) = 220.252

#### Network Design Table for AB-24

« - Indicates pipe capacity < flow

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section	Type	Auto Design
S4.000	99.355	0.356	278.7	0.153	15.00	0.0	0.600	o	300	Pipe/Conduit		
S4.001	98.944	0.268	369.2	0.156	0.00	0.0	0.600	o	375	Pipe/Conduit		
S4.002	96.299	1.031	93.4	0.090	0.00	0.0	0.600	o	375	Pipe/Conduit		
S4.003	99.246	0.660	150.4	0.184	0.00	0.0	0.600	o	375	Pipe/Conduit		
S4.004	99.255	0.440	225.6	0.129	0.00	0.0	0.600	o	450	Pipe/Conduit		
S4.005	22.831	0.160	142.7	0.032	0.00	0.0	0.600	o	450	Pipe/Conduit		
S4.006	14.019	0.108	129.8	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit		

#### Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S4.000	71.43	16.77	13.055	0.153	0.0	0.0	0.0	0.94	66.2	29.5
S4.001	67.22	18.53	12.624	0.308	0.0	0.0	0.0	0.94	103.5	56.1
S4.002	65.38	19.38	12.356	0.398	0.0	0.0	0.0	1.87	207.1	70.5
S4.003	63.15	20.50	11.325	0.582	0.0	0.0	0.0	1.48	162.9	99.5
S4.004	60.90	21.73	10.590	0.711	0.0	0.0	0.0	1.35	214.6	117.2
S4.005	60.51	21.95	10.150	0.742	0.0	0.0	0.0	1.70	270.4	121.7
S4.006	60.29	22.09	10.065	0.742	0.0	0.0	0.0	1.78	283.6	121.7

Sizewell Link road  
SLR-AB-24



Date 30/09/2021

Designed by Dan James

File SLR-AB-24 surcharged.MDX

Checked by Chris Uzzel

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Network Design Table for AB-24

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S5.000	76.397	0.742	103.0	0.037	15.00	0.0	0.600	o	150	Pipe/Conduit	
S5.001	86.049	0.492	174.8	0.040	0.00	0.0	0.600	o	225	Pipe/Conduit	
S5.002	94.326	0.318	296.9	0.047	0.00	0.0	0.600	o	225	Pipe/Conduit	
S5.003	69.509	0.234	296.9	0.082	0.00	0.0	0.600	o	300	Pipe/Conduit	
S5.004	69.509	0.234	296.9	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S5.005	66.071	0.251	263.0	0.030	0.00	0.0	0.600	o	300	Pipe/Conduit	
S5.006	36.344	1.454	25.0	0.018	0.00	0.0	0.600	o	300	Pipe/Conduit	
S4.007	26.782	0.220	121.7	0.072	0.00	0.0	0.600	o	450	Pipe/Conduit	
S4.008	12.907	0.108	120.0	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit	
S4.009	3.682	0.037	100.0	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit	
S6.000	67.891	0.407	166.8	0.076	15.00	0.0	0.600	o	225	Pipe/Conduit	
S6.001	47.978	0.162	296.2	0.117	0.00	0.0	0.600	o	300	Pipe/Conduit	
S6.002	11.435	0.039	293.2	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S4.010	10.908	0.022	500.0	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
S4.011	39.627	0.396	100.0	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
S7.000	99.731	0.969	103.0	0.038	15.00	0.0	0.600	o	150	Pipe/Conduit	
S7.001	58.350	0.334	174.6	0.052	0.00	0.0	0.600	o	225	Pipe/Conduit	
S7.002	58.350	0.334	174.6	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S7.003	94.690	0.319	296.9	0.032	0.00	0.0	0.600	o	225	Pipe/Conduit	
S7.004	6.379	0.021	296.9	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S8.000	50.504	0.490	103.0	0.018	15.00	0.0	0.600	o	100	Pipe/Conduit	
S8.001	65.690	0.221	296.9	0.068	0.00	0.0	0.600	o	225	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S5.000	72.71	16.29	14.220	0.037	0.0	0.0	0.0	0.99	17.5	7.3
S5.001	69.02	17.74	13.403	0.077	0.0	0.0	0.0	0.99	39.2	14.4
S5.002	64.47	19.83	12.911	0.124	0.0	0.0	0.0	0.75	30.0	21.6
S5.003	62.02	21.10	12.518	0.206	0.0	0.0	0.0	0.91	64.1	34.6
S5.004	59.79	22.38	12.284	0.206	0.0	0.0	0.0	0.91	64.1	34.6
S5.005	57.94	23.52	12.050	0.236	0.0	0.0	0.0	0.96	68.2	37.0
S5.006	57.64	23.71	11.799	0.254	0.0	0.0	0.0	3.16	223.2	39.6
S4.007	57.27	23.96	9.957	1.068	0.0	0.0	0.0	1.84	292.9	165.7
S4.008	57.10	24.07	9.737	1.068	0.0	0.0	0.0	1.85	295.0	165.7
S4.009	57.05	24.11	9.630	1.068	0.0	0.0	0.0	1.81	200.1	165.7
S6.000	73.16	16.12	9.500	0.076	0.0	0.0	0.0	1.01	40.1	15.0
S6.001	70.84	17.00	9.018	0.192	0.0	0.0	0.0	0.91	64.2	36.9
S6.002	70.31	17.21	8.856	0.192	0.0	0.0	0.0	0.91	64.5	36.9
S4.010	56.77	24.29	8.592	1.261	0.0	0.0	0.0	0.99	215.4	193.9
S4.011	56.34	24.58	8.570	1.261	0.0	0.0	0.0	2.24	484.9	193.9
S7.000	71.66	16.68	12.670	0.038	0.0	0.0	0.0	0.99	17.5	7.4
S7.001	69.21	17.66	11.626	0.090	0.0	0.0	0.0	0.99	39.2	16.8
S7.002	66.95	18.65	11.292	0.090	0.0	0.0	0.0	0.99	39.2	16.8
S7.003	62.69	20.74	10.958	0.122	0.0	0.0	0.0	0.75	30.0	20.7
S7.004	62.43	20.89	10.639	0.122	0.0	0.0	0.0	0.75	30.0	20.7
S8.000	73.18	16.11	14.080	0.018	0.0	0.0	0.0	0.76	5.9	3.5
S8.001	69.45	17.56	13.465	0.086	0.0	0.0	0.0	0.75	30.0	16.2



Sizewell Link road  
SLR-AB-24



Date 30/09/2021

Designed by Dan James

File SLR-AB-24 surcharged.MDX

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Network Design Table for AB-24






PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S8.002	65.690	0.221	296.9	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S8.003	74.638	0.251	296.9	0.033	0.00	0.0	0.600	o	225	Pipe/Conduit	
S8.004	61.028	2.153	28.3	0.025	0.00	0.0	0.600	o	225	Pipe/Conduit	
S7.005	56.270	2.447	23.0	0.017	0.00	0.0	0.600	o	225	Pipe/Conduit	
S9.000	57.215	0.804	71.2	0.025	15.00	0.0	0.600	o	100	Pipe/Conduit	
S4.012	34.765	0.070	496.6	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S4.013	24.656	0.049	500.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S4.014	47.351	0.237	199.8	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S10.000	93.925	3.478	27.0	0.047	15.00	0.0	0.600	o	100	Pipe/Conduit	
S10.001	29.824	0.746	40.0	0.015	0.00	0.0	0.600	o	100	Pipe/Conduit	
S4.015	7.633	0.015	500.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S11.000	52.797	0.302	175.1	0.039	15.00	0.0	0.600	o	150	Pipe/Conduit	
S11.001	65.876	0.758	86.9	0.043	0.00	0.0	0.600	o	150	Pipe/Conduit	
S11.002	19.324	0.193	100.0	0.014	0.00	0.0	0.600	o	225	Pipe/Conduit	
S4.016	14.246	0.142	100.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S12.000	49.417	0.282	175.3	0.037	15.00	0.0	0.600	o	150	Pipe/Conduit	
S12.001	66.574	1.398	47.6	0.051	0.00	0.0	0.600	o	150	Pipe/Conduit	
S12.002	28.269	0.283	100.0	0.036	0.00	0.0	0.600	o	225	Pipe/Conduit	
S13.000	67.614	3.450	19.6	0.066	15.00	0.0	0.600	o	225	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S8.002	66.15	19.02	13.243	0.086	0.0	0.0	0.0	0.75	30.0	16.2
S8.003	62.84	20.67	13.022	0.119	0.0	0.0	0.0	0.75	30.0	20.3
S8.004	62.07	21.08	12.771	0.144	0.0	0.0	0.0	2.47	98.1	24.3
S7.005	61.45	21.42	10.618	0.283	0.0	0.0	0.0	2.74	108.9	47.1
S9.000	73.37	16.04	9.100	0.025	0.0	0.0	0.0	0.91	7.2	5.0
S4.012	55.57	25.12	7.796	1.569	0.0	0.0	0.0	1.09	307.0	236.1
S4.013	55.04	25.50	7.726	1.569	0.0	0.0	0.0	1.08	306.0	236.1
S4.014	54.42	25.96	7.925	1.569	0.0	0.0	0.0	1.72	486.1	236.1
S10.000	73.35	16.05	14.000	0.047	0.0	0.0	0.0	1.49	11.7	9.4
S10.001	72.25	16.46	10.522	0.063	0.0	0.0	0.0	1.22	9.6<	12.2
S4.015	54.26	26.07	7.688	1.631	0.0	0.0	0.0	1.08	306.0	239.7
S11.000	73.04	16.16	9.910	0.039	0.0	0.0	0.0	0.76	13.4	7.8
S11.001	70.39	17.18	9.608	0.082	0.0	0.0	0.0	1.08	19.1	15.7
S11.002	69.78	17.43	8.775	0.097	0.0	0.0	0.0	1.31	52.0	18.2
S4.016	54.13	26.17	7.673	1.728	0.0	0.0	0.0	2.44	688.6	253.3
S12.000	73.24	16.09	9.790	0.037	0.0	0.0	0.0	0.76	13.4	7.3
S12.001	71.22	16.85	9.508	0.088	0.0	0.0	0.0	1.46	25.8	16.9
S12.002	70.32	17.21	8.035	0.123	0.0	0.0	0.0	1.31	52.0	23.5
S13.000	75.27	15.38	12.851	0.066	0.0	0.0	0.0	2.97	118.1	13.5

.	Sizewell Link road	
.	SLR-AB-24	
.		
Date 30/09/2021	Designed by Dan James	
File SLR-AB-24 surcharged.MDX	Checked by Chris Uzzel	
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Network Design Table for AB-24

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S13.001	67.614	0.338	200.0	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S4.017	14.246	0.028	500.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S4.018	36.988	0.074	500.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S4.019	15.551	0.031	500.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	
S4.020	60.634	0.121	500.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S13.001	71.86	16.60	9.401	0.066	0.0	0.0	0.0	0.92	36.6	13.5
S4.017	53.84	26.39	7.377	1.918	0.0	0.0	0.0	1.08	306.0	279.6
S4.018	53.10	26.96	7.349	1.918	0.0	0.0	0.0	1.08	306.0	279.6
S4.019	52.80	27.20	7.275	1.918	0.0	0.0	0.0	1.08	306.0	279.6
S4.020	51.66	28.13	7.244	1.918	0.0	0.0	0.0	1.08	306.0	279.6

Sizewell Link road  
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Manhole Schedules for AB-24

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S23	14.280	1.225	Open Manhole	1200	S4.000	13.055	300				
S24	13.540	0.916	Open Manhole	1350	S4.001	12.624	375	S4.000	12.699	300	
S25	15.600	3.244	Open Manhole	1350	S4.002	12.356	375	S4.001	12.356	375	
S26	12.700	1.375	Open Manhole	1350	S4.003	11.325	375	S4.002	11.325	375	
S27	12.040	1.450	Open Manhole	1350	S4.004	10.590	450	S4.003	10.665	375	
S28	11.600	1.450	Open Manhole	1350	S4.005	10.150	450	S4.004	10.150	450	
S29	11.440	1.450	Open Manhole	1350	S4.006	10.065	450	S4.005	9.990	450	
S30	15.320	1.100	Open Manhole	1200	S5.000	14.220	150				
S31	16.380	2.977	Open Manhole	1200	S5.001	13.403	225	S5.000	13.478	150	
S32	16.350	3.439	Open Manhole	1200	S5.002	12.911	225	S5.001	12.911	225	
S33	16.940	4.422	Open Manhole	1200	S5.003	12.518	300	S5.002	12.593	225	
S12	15.920	3.636	Open Manhole	1200	S5.004	12.284	300	S5.003	12.284	300	
S34	15.920	3.870	Open Manhole	1200	S5.005	12.050	300	S5.004	12.050	300	
S35	13.620	1.821	Open Manhole	1200	S5.006	11.799	300	S5.005	11.799	300	
S30	11.220	1.263	Open Manhole	1350	S4.007	9.957	450	S4.006	9.957	450	
								S5.006	10.345	300	238
S31	11.000	1.263	Open Manhole	1350	S4.008	9.737	450	S4.007	9.737	450	
S32	10.720	1.091	Open Manhole	1350	S4.009	9.630	375	S4.008	9.629	450	
S33	10.000	0.500	Open Manhole	1200	S6.000	9.500	225				
S34	10.000	0.982	Open Manhole	1200	S6.001	9.018	300	S6.000	9.093	225	
S35	10.000	1.144	Open Manhole	1200	S6.002	8.856	300	S6.001	8.856	300	
S33	10.720	2.128	Open Manhole	1500	S4.010	8.592	525	S4.009	9.593	375	851
								S6.002	8.817	300	
S34	9.700	1.130	Open Manhole	1500	S4.011	8.570	525	S4.010	8.570	525	
S51	13.820	1.150	Open Manhole	1200	S7.000	12.670	150				
S45	13.320	1.694	Open Manhole	1200	S7.001	11.626	225	S7.000	11.701	150	
S25	13.000	1.708	Open Manhole	1200	S7.002	11.292	225	S7.001	11.292	225	
S46	13.000	2.042	Open Manhole	1200	S7.003	10.958	225	S7.002	10.958	225	
S47	12.180	1.541	Open Manhole	1200	S7.004	10.639	225	S7.003	10.639	225	
S48	15.180	1.100	Open Manhole	1200	S8.000	14.080	100				
S49	16.020	2.555	Open Manhole	1200	S8.001	13.465	225	S8.000	13.590	100	
S29	16.500	3.257	Open Manhole	1200	S8.002	13.243	225	S8.001	13.243	225	
S50	16.500	3.478	Open Manhole	1200	S8.003	13.022	225	S8.002	13.022	225	
S51	15.000	2.229	Open Manhole	1200	S8.004	12.771	225	S8.003	12.771	225	
S48	12.040	1.422	Open Manhole	1200	S7.005	10.618	225	S7.004	10.618	225	
								S8.004	10.618	225	
S49	10.000	0.900	Open Manhole	1200	S9.000	9.100	100				
S35	8.940	1.144	Open Manhole	1500	S4.012	7.796	600	S4.011	8.174	525	302
								S7.005	8.171	225	
								S9.000	8.296	100	
S36	9.770	2.044	Open Manhole	1500	S4.013	7.726	600	S4.012	7.726	600	
S37	9.630	1.953	Open Manhole	1500	S4.014	7.925	600	S4.013	7.677	600	
S57	15.100	1.100	Open Manhole	1200	S10.000	14.000	100				
S58	11.622	1.100	Open Manhole	1200	S10.001	10.522	100	S10.000	10.522	100	
S38	10.340	2.652	Open Manhole	1500	S4.015	7.688	600	S4.014	7.688	600	
								S10.001	9.776	100	1588
S57	11.060	1.150	Open Manhole	1200	S11.000	9.910	150				

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Manhole Schedules for AB-24

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S55	11.060	1.452	Open Manhole	1200	S11.001	9.608	150	S11.000	9.608	150	
S56	10.000	1.225	Open Manhole	1200	S11.002	8.775	225	S11.001	8.850	150	
S54	9.910	2.237	Open Manhole	1500	S4.016	7.673	600	S4.015	7.673	600	
								S11.002	8.582	225	534
S60	10.940	1.150	Open Manhole	1200	S12.000	9.790	150				
S58	10.980	1.472	Open Manhole	1200	S12.001	9.508	150	S12.000	9.508	150	
S60	9.260	1.225	Open Manhole	1200	S12.002	8.035	225	S12.001	8.110	150	
S67	13.951	1.100	Open Manhole	1200	S13.000	12.851	225				
S47	9.910	0.509	Open Manhole	1200	S13.001	9.401	225	S13.000	9.401	225	
S58	9.910	2.533	Open Manhole	1500	S4.017	7.377	600	S4.016	7.531	600	153
								S12.002	7.752	225	
								S13.001	9.063	225	1311
S39	9.910	2.561	Open Manhole	1500	S4.018	7.349	600	S4.017	7.349	600	
S40	8.580	1.305	Open Manhole	1500	S4.019	7.275	600	S4.018	7.275	600	
S41	8.610	1.366	Open Manhole	1500	S4.020	7.244	600	S4.019	7.244	600	
S	8.120	0.998	Open Manhole	0		OUTFALL		S4.020	7.122	600	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S23	643012.521	266223.613	643012.521	266223.613	Required	
S24	643001.558	266322.114	643001.558	266322.114	Required	
S25	642973.232	266416.713	642973.232	266416.713	Required	
S26	642931.962	266503.295	642931.962	266503.295	Required	
S27	642869.240	266580.019	642869.240	266580.019	Required	
S28	642793.065	266643.411	642793.065	266643.411	Required	
S29	642773.362	266654.947	642773.362	266654.947	Required	
S30	643005.096	266227.601	643005.096	266227.601	Required	
S31	642994.262	266303.226	642994.262	266303.226	Required	
S32	642971.835	266386.301	642971.835	266386.301	Required	
S33	642930.064	266470.874	642930.064	266470.874	Required	

Sizewell Link road  
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Manhole Schedules for AB-24

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S12	642887.175	266525.573	642887.175	266525.573	Required	
S34	642844.286	266580.272	642844.286	266580.272	Required	
S35	642795.034	266624.313	642795.034	266624.313	Required	
S30	642764.525	266644.063	642764.525	266644.063	Required	
S31	642740.163	266655.189	642740.163	266655.189	Required	
S32	642731.136	266645.964	642731.136	266645.964	Required	
S33	642627.425	266644.101	642627.425	266644.101	Required	
S34	642684.095	266681.486	642684.095	266681.486	Required	
S35	642727.270	266660.562	642727.270	266660.562	Required	
S33	642729.911	266649.436	642729.911	266649.436	Required	
S34	642734.306	266659.419	642734.306	266659.419	Required	
S51	642991.981	266418.818	642991.981	266418.818	Required	
S45	642944.837	266506.703	642944.837	266506.703	Required	
S25	642910.634	266553.908	642910.634	266553.908	Required	
S46	642869.765	266595.476	642869.765	266595.476	Required	
S47	642796.081	266654.787	642796.081	266654.787	Required	
S48	642996.280	266425.222	642996.280	266425.222	Required	
S49	642976.702	266471.777	642976.702	266471.777	Required	
S29	642940.394	266526.521	642940.394	266526.521	Required	
S50	642904.086	266581.265	642904.086	266581.265	Required	

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Manhole Schedules for AB-24

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S51	642847.977	266630.485	642847.977	266630.485	Required	
S48	642795.185	266661.103	642795.185	266661.103	Required	
S49	642700.881	266723.714	642700.881	266723.714	Required	
S35	642750.663	266695.513	642750.663	266695.513	Required	
S36	642770.224	266724.253	642770.224	266724.253	Required	
S37	642794.217	266729.933	642794.217	266729.933	Required	
S57	642950.786	266669.979	642950.786	266669.979	Required	
S58	642866.323	266711.062	642866.323	266711.062	Required	
S38	642841.511	266727.611	642841.511	266727.611	Required	
S57	642973.983	266680.017	642973.983	266680.017	Required	
S55	642922.952	266693.560	642922.952	266693.560	Required	
S56	642863.798	266722.399	642863.798	266722.399	Required	
S54	642847.345	266732.534	642847.345	266732.534	Required	
S60	642991.362	266686.076	642991.362	266686.076	Required	
S58	642943.856	266699.687	642943.856	266699.687	Required	
S60	642883.218	266726.959	642883.218	266726.959	Required	
S67	642987.506	266699.948	642987.506	266699.948	Required	
S47	642922.677	266719.132	642922.677	266719.132	Required	
S58	642858.734	266741.091	642858.734	266741.091	Required	
S39	642870.123	266749.648	642870.123	266749.648	Required	

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Manhole Schedules for AB-24

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S40	642841.501	266773.076	642841.501	266773.076	Required	
S41	642829.919	266762.699	642829.919	266762.699	Required	
S	642779.329	266796.123			No Entry	



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PIPELINE SCHEDULES for AB-24

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S4.000	o	300	S23	14.280	13.055	0.925	Open Manhole	1200
S4.001	o	375	S24	13.540	12.624	0.541	Open Manhole	1350
S4.002	o	375	S25	15.600	12.356	2.869	Open Manhole	1350
S4.003	o	375	S26	12.700	11.325	1.000	Open Manhole	1350
S4.004	o	450	S27	12.040	10.590	1.000	Open Manhole	1350
S4.005	o	450	S28	11.600	10.150	1.000	Open Manhole	1350
S4.006	o	450	S29	11.440	10.065	0.925	Open Manhole	1350
S5.000	o	150	S30	15.320	14.220	0.950	Open Manhole	1200
S5.001	o	225	S31	16.380	13.403	2.752	Open Manhole	1200
S5.002	o	225	S32	16.350	12.911	3.214	Open Manhole	1200
S5.003	o	300	S33	16.940	12.518	4.122	Open Manhole	1200
S5.004	o	300	S12	15.920	12.284	3.336	Open Manhole	1200
S5.005	o	300	S34	15.920	12.050	3.570	Open Manhole	1200
S5.006	o	300	S35	13.620	11.799	1.521	Open Manhole	1200
S4.007	o	450	S30	11.220	9.957	0.813	Open Manhole	1350
S4.008	o	450	S31	11.000	9.737	0.813	Open Manhole	1350
S4.009	o	375	S32	10.720	9.630	0.715	Open Manhole	1350
S6.000	o	225	S33	10.000	9.500	0.275	Open Manhole	1200
S6.001	o	300	S34	10.000	9.018	0.682	Open Manhole	1200
S6.002	o	300	S35	10.000	8.856	0.844	Open Manhole	1200
S4.010	o	525	S33	10.720	8.592	1.603	Open Manhole	1500
S4.011	o	525	S34	9.700	8.570	0.605	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S4.000	99.355	278.7	S24	13.540	12.699	0.541	Open Manhole	1350
S4.001	98.944	369.2	S25	15.600	12.356	2.869	Open Manhole	1350
S4.002	96.299	93.4	S26	12.700	11.325	1.000	Open Manhole	1350
S4.003	99.246	150.4	S27	12.040	10.665	1.000	Open Manhole	1350
S4.004	99.255	225.6	S28	11.600	10.150	1.000	Open Manhole	1350
S4.005	22.831	142.7	S29	11.440	9.990	1.000	Open Manhole	1350
S4.006	14.019	129.8	S30	11.220	9.957	0.813	Open Manhole	1350
S5.000	76.397	103.0	S31	16.380	13.478	2.752	Open Manhole	1200
S5.001	86.049	174.8	S32	16.350	12.911	3.214	Open Manhole	1200
S5.002	94.326	296.9	S33	16.940	12.593	4.122	Open Manhole	1200
S5.003	69.509	296.9	S12	15.920	12.284	3.336	Open Manhole	1200
S5.004	69.509	296.9	S34	15.920	12.050	3.570	Open Manhole	1200
S5.005	66.071	263.0	S35	13.620	11.799	1.521	Open Manhole	1200
S5.006	36.344	25.0	S30	11.220	10.345	0.575	Open Manhole	1350
S4.007	26.782	121.7	S31	11.000	9.737	0.813	Open Manhole	1350
S4.008	12.907	120.0	S32	10.720	9.629	0.641	Open Manhole	1350
S4.009	3.682	100.0	S33	10.720	9.593	0.752	Open Manhole	1500
S6.000	67.891	166.8	S34	10.000	9.093	0.682	Open Manhole	1200
S6.001	47.978	296.2	S35	10.000	8.856	0.844	Open Manhole	1200
S6.002	11.435	293.2	S33	10.720	8.817	1.603	Open Manhole	1500
S4.010	10.908	500.0	S34	9.700	8.570	0.605	Open Manhole	1500
S4.011	39.627	100.0	S35	8.940	8.174	0.241	Open Manhole	1500

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PIPELINE SCHEDULES for AB-24

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S7.000	o	150	S51	13.820	12.670	1.000	Open Manhole	1200
S7.001	o	225	S45	13.320	11.626	1.469	Open Manhole	1200
S7.002	o	225	S25	13.000	11.292	1.483	Open Manhole	1200
S7.003	o	225	S46	13.000	10.958	1.817	Open Manhole	1200
S7.004	o	225	S47	12.180	10.639	1.316	Open Manhole	1200
S8.000	o	100	S48	15.180	14.080	1.000	Open Manhole	1200
S8.001	o	225	S49	16.020	13.465	2.330	Open Manhole	1200
S8.002	o	225	S29	16.500	13.243	3.032	Open Manhole	1200
S8.003	o	225	S50	16.500	13.022	3.253	Open Manhole	1200
S8.004	o	225	S51	15.000	12.771	2.004	Open Manhole	1200
S7.005	o	225	S48	12.040	10.618	1.197	Open Manhole	1200
S9.000	o	100	S49	10.000	9.100	0.800	Open Manhole	1200
S4.012	o	600	S35	8.940	7.796	0.544	Open Manhole	1500
S4.013	o	600	S36	9.770	7.726	1.444	Open Manhole	1500
S4.014	o	600	S37	9.630	7.925	1.105	Open Manhole	1500
S10.000	o	100	S57	15.100	14.000	1.000	Open Manhole	1200
S10.001	o	100	S58	11.622	10.522	1.000	Open Manhole	1200
S4.015	o	600	S38	10.340	7.688	2.052	Open Manhole	1500
S11.000	o	150	S57	11.060	9.910	1.000	Open Manhole	1200
S11.001	o	150	S55	11.060	9.608	1.302	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S7.000	99.731	103.0	S45	13.320	11.701	1.469	Open Manhole	1200
S7.001	58.350	174.6	S25	13.000	11.292	1.483	Open Manhole	1200
S7.002	58.350	174.6	S46	13.000	10.958	1.817	Open Manhole	1200
S7.003	94.690	296.9	S47	12.180	10.639	1.316	Open Manhole	1200
S7.004	6.379	296.9	S48	12.040	10.618	1.197	Open Manhole	1200
S8.000	50.504	103.0	S49	16.020	13.590	2.330	Open Manhole	1200
S8.001	65.690	296.9	S29	16.500	13.243	3.032	Open Manhole	1200
S8.002	65.690	296.9	S50	16.500	13.022	3.253	Open Manhole	1200
S8.003	74.638	296.9	S51	15.000	12.771	2.004	Open Manhole	1200
S8.004	61.028	28.3	S48	12.040	10.618	1.197	Open Manhole	1200
S7.005	56.270	23.0	S35	8.940	8.171	0.544	Open Manhole	1500
S9.000	57.215	71.2	S35	8.940	8.296	0.544	Open Manhole	1500
S4.012	34.765	496.6	S36	9.770	7.726	1.444	Open Manhole	1500
S4.013	24.656	500.0	S37	9.630	7.677	1.353	Open Manhole	1500
S4.014	47.351	199.8	S38	10.340	7.688	2.052	Open Manhole	1500
S10.000	93.925	27.0	S58	11.622	10.522	1.000	Open Manhole	1200
S10.001	29.824	40.0	S38	10.340	9.776	0.464	Open Manhole	1500
S4.015	7.633	500.0	S54	9.910	7.673	1.637	Open Manhole	1500
S11.000	52.797	175.1	S55	11.060	9.608	1.302	Open Manhole	1200
S11.001	65.876	86.9	S56	10.000	8.850	1.000	Open Manhole	1200

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PIPELINE SCHEDULES for AB-24

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S11.002	o	225	S56	10.000	8.775	1.000	Open Manhole	1200
S4.016	o	600	S54	9.910	7.673	1.637	Open Manhole	1500
S12.000	o	150	S60	10.940	9.790	1.000	Open Manhole	1200
S12.001	o	150	S58	10.980	9.508	1.322	Open Manhole	1200
S12.002	o	225	S60	9.260	8.035	1.000	Open Manhole	1200
S13.000	o	225	S67	13.951	12.851	0.875	Open Manhole	1200
S13.001	o	225	S47	9.910	9.401	0.284	Open Manhole	1200
S4.017	o	600	S58	9.910	7.377	1.933	Open Manhole	1500
S4.018	o	600	S39	9.910	7.349	1.961	Open Manhole	1500
S4.019	o	600	S40	8.580	7.275	0.705	Open Manhole	1500
S4.020	o	600	S41	8.610	7.244	0.766	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S11.002	19.324	100.0	S54	9.910	8.582	1.103	Open Manhole	1500
S4.016	14.246	100.0	S58	9.910	7.531	1.779	Open Manhole	1500
S12.000	49.417	175.3	S58	10.980	9.508	1.322	Open Manhole	1200
S12.001	66.574	47.6	S60	9.260	8.110	1.000	Open Manhole	1200
S12.002	28.269	100.0	S58	9.910	7.752	1.933	Open Manhole	1500
S13.000	67.614	19.6	S47	9.910	9.401	0.284	Open Manhole	1200
S13.001	67.614	200.0	S58	9.910	9.063	0.622	Open Manhole	1500
S4.017	14.246	500.0	S39	9.910	7.349	1.961	Open Manhole	1500
S4.018	36.988	500.0	S40	8.580	7.275	0.705	Open Manhole	1500
S4.019	15.551	500.0	S41	8.610	7.244	0.766	Open Manhole	1500
S4.020	60.634	500.0	S	8.120	7.122	0.398	Open Manhole	0

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Network Classifications for AB-24

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S4.000	S23	300	0.541	0.925	Unclassified	1200	0	0.925	Unclassified
S4.001	S24	375	0.541	2.869	Unclassified	1350	0	0.541	Unclassified
S4.002	S25	375	1.000	2.869	Unclassified	1350	0	2.869	Unclassified
S4.003	S26	375	1.000	1.000	Unclassified	1350	0	1.000	Unclassified
S4.004	S27	450	1.000	1.000	Unclassified	1350	0	1.000	Unclassified
S4.005	S28	450	1.000	1.000	Unclassified	1350	0	1.000	Unclassified
S4.006	S29	450	0.813	0.925	Unclassified	1350	0	0.925	Unclassified
S5.000	S30	150	0.950	2.752	Unclassified	1200	0	0.950	Unclassified
S5.001	S31	225	2.752	3.214	Unclassified	1200	0	2.752	Unclassified
S5.002	S32	225	3.214	4.122	Unclassified	1200	0	3.214	Unclassified
S5.003	S33	300	3.336	4.122	Unclassified	1200	0	4.122	Unclassified
S5.004	S12	300	3.336	3.570	Unclassified	1200	0	3.336	Unclassified
S5.005	S34	300	1.521	3.570	Unclassified	1200	0	3.570	Unclassified
S5.006	S35	300	0.575	1.521	Unclassified	1200	0	1.521	Unclassified
S4.007	S30	450	0.813	0.813	Unclassified	1350	0	0.813	Unclassified
S4.008	S31	450	0.641	0.813	Unclassified	1350	0	0.813	Unclassified
S4.009	S32	375	0.715	0.752	Unclassified	1350	0	0.715	Unclassified
S6.000	S33	225	0.275	0.682	Unclassified	1200	0	0.275	Unclassified
S6.001	S34	300	0.682	0.844	Unclassified	1200	0	0.682	Unclassified
S6.002	S35	300	0.844	1.603	Unclassified	1200	0	0.844	Unclassified
S4.010	S33	525	0.605	1.603	Unclassified	1500	0	1.603	Unclassified
S4.011	S34	525	0.241	0.605	Unclassified	1500	0	0.605	Unclassified
S7.000	S51	150	1.000	1.469	Unclassified	1200	0	1.000	Unclassified
S7.001	S45	225	1.469	1.483	Unclassified	1200	0	1.469	Unclassified
S7.002	S25	225	1.483	1.817	Unclassified	1200	0	1.483	Unclassified
S7.003	S46	225	1.316	1.817	Unclassified	1200	0	1.817	Unclassified
S7.004	S47	225	1.197	1.316	Unclassified	1200	0	1.316	Unclassified
S8.000	S48	100	1.000	2.330	Unclassified	1200	0	1.000	Unclassified
S8.001	S49	225	2.330	3.032	Unclassified	1200	0	2.330	Unclassified
S8.002	S29	225	3.032	3.253	Unclassified	1200	0	3.032	Unclassified
S8.003	S50	225	2.004	3.253	Unclassified	1200	0	3.253	Unclassified
S8.004	S51	225	1.197	2.004	Unclassified	1200	0	2.004	Unclassified
S7.005	S48	225	0.544	1.197	Unclassified	1200	0	1.197	Unclassified
S9.000	S49	100	0.544	0.800	Unclassified	1200	0	0.800	Unclassified
S4.012	S35	600	0.544	1.444	Unclassified	1500	0	0.544	Unclassified
S4.013	S36	600	1.353	1.444	Unclassified	1500	0	1.444	Unclassified
S4.014	S37	600	1.105	2.052	Unclassified	1500	0	1.105	Unclassified
S10.000	S57	100	1.000	1.000	Unclassified	1200	0	1.000	Unclassified
S10.001	S58	100	0.464	1.000	Unclassified	1200	0	1.000	Unclassified
S4.015	S38	600	1.637	2.052	Unclassified	1500	0	2.052	Unclassified
S11.000	S57	150	1.000	1.302	Unclassified	1200	0	1.000	Unclassified
S11.001	S55	150	1.000	1.302	Unclassified	1200	0	1.302	Unclassified
S11.002	S56	225	1.000	1.103	Unclassified	1200	0	1.000	Unclassified
S4.016	S54	600	1.637	1.779	Unclassified	1500	0	1.637	Unclassified
S12.000	S60	150	1.000	1.322	Unclassified	1200	0	1.000	Unclassified
S12.001	S58	150	1.000	1.322	Unclassified	1200	0	1.322	Unclassified
S12.002	S60	225	1.000	1.933	Unclassified	1200	0	1.000	Unclassified
S13.000	S67	225	0.284	0.875	Unclassified	1200	0	0.875	Unclassified
S13.001	S47	225	0.284	0.622	Unclassified	1200	0	0.284	Unclassified
S4.017	S58	600	1.933	1.961	Unclassified	1500	0	1.933	Unclassified
S4.018	S39	600	0.705	1.961	Unclassified	1500	0	1.961	Unclassified
S4.019	S40	600	0.705	0.766	Unclassified	1500	0	0.705	Unclassified
S4.020	S41	600	0.398	0.766	Unclassified	1500	0	0.766	Unclassified

Surcharged Outfall Details for AB-24

Outfall Pipe Number	Outfall C. Level Name	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
S4.020	S	8.120	7.122	0.000	0

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

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Surcharged Outfall Details for AB-24

Datum (m) 0.000 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1	8.100	59	8.100	117	8.100	175	8.100	233	8.100	291	8.100	349	8.100	407	8.100
2	8.100	60	8.100	118	8.100	176	8.100	234	8.100	292	8.100	350	8.100	408	8.100
3	8.100	61	8.100	119	8.100	177	8.100	235	8.100	293	8.100	351	8.100	409	8.100
4	8.100	62	8.100	120	8.100	178	8.100	236	8.100	294	8.100	352	8.100	410	8.100
5	8.100	63	8.100	121	8.100	179	8.100	237	8.100	295	8.100	353	8.100	411	8.100
6	8.100	64	8.100	122	8.100	180	8.100	238	8.100	296	8.100	354	8.100	412	8.100
7	8.100	65	8.100	123	8.100	181	8.100	239	8.100	297	8.100	355	8.100	413	8.100
8	8.100	66	8.100	124	8.100	182	8.100	240	8.100	298	8.100	356	8.100	414	8.100
9	8.100	67	8.100	125	8.100	183	8.100	241	8.100	299	8.100	357	8.100	415	8.100
10	8.100	68	8.100	126	8.100	184	8.100	242	8.100	300	8.100	358	8.100	416	8.100
11	8.100	69	8.100	127	8.100	185	8.100	243	8.100	301	8.100	359	8.100	417	8.100
12	8.100	70	8.100	128	8.100	186	8.100	244	8.100	302	8.100	360	8.100	418	8.100
13	8.100	71	8.100	129	8.100	187	8.100	245	8.100	303	8.100	361	8.100	419	8.100
14	8.100	72	8.100	130	8.100	188	8.100	246	8.100	304	8.100	362	8.100	420	8.100
15	8.100	73	8.100	131	8.100	189	8.100	247	8.100	305	8.100	363	8.100	421	8.100
16	8.100	74	8.100	132	8.100	190	8.100	248	8.100	306	8.100	364	8.100	422	8.100
17	8.100	75	8.100	133	8.100	191	8.100	249	8.100	307	8.100	365	8.100	423	8.100
18	8.100	76	8.100	134	8.100	192	8.100	250	8.100	308	8.100	366	8.100	424	8.100
19	8.100	77	8.100	135	8.100	193	8.100	251	8.100	309	8.100	367	8.100	425	8.100
20	8.100	78	8.100	136	8.100	194	8.100	252	8.100	310	8.100	368	8.100	426	8.100
21	8.100	79	8.100	137	8.100	195	8.100	253	8.100	311	8.100	369	8.100	427	8.100
22	8.100	80	8.100	138	8.100	196	8.100	254	8.100	312	8.100	370	8.100	428	8.100
23	8.100	81	8.100	139	8.100	197	8.100	255	8.100	313	8.100	371	8.100	429	8.100
24	8.100	82	8.100	140	8.100	198	8.100	256	8.100	314	8.100	372	8.100	430	8.100
25	8.100	83	8.100	141	8.100	199	8.100	257	8.100	315	8.100	373	8.100	431	8.100
26	8.100	84	8.100	142	8.100	200	8.100	258	8.100	316	8.100	374	8.100	432	8.100
27	8.100	85	8.100	143	8.100	201	8.100	259	8.100	317	8.100	375	8.100	433	8.100
28	8.100	86	8.100	144	8.100	202	8.100	260	8.100	318	8.100	376	8.100	434	8.100
29	8.100	87	8.100	145	8.100	203	8.100	261	8.100	319	8.100	377	8.100	435	8.100
30	8.100	88	8.100	146	8.100	204	8.100	262	8.100	320	8.100	378	8.100	436	8.100
31	8.100	89	8.100	147	8.100	205	8.100	263	8.100	321	8.100	379	8.100	437	8.100
32	8.100	90	8.100	148	8.100	206	8.100	264	8.100	322	8.100	380	8.100	438	8.100
33	8.100	91	8.100	149	8.100	207	8.100	265	8.100	323	8.100	381	8.100	439	8.100
34	8.100	92	8.100	150	8.100	208	8.100	266	8.100	324	8.100	382	8.100	440	8.100
35	8.100	93	8.100	151	8.100	209	8.100	267	8.100	325	8.100	383	8.100	441	8.100
36	8.100	94	8.100	152	8.100	210	8.100	268	8.100	326	8.100	384	8.100	442	8.100
37	8.100	95	8.100	153	8.100	211	8.100	269	8.100	327	8.100	385	8.100	443	8.100
38	8.100	96	8.100	154	8.100	212	8.100	270	8.100	328	8.100	386	8.100	444	8.100
39	8.100	97	8.100	155	8.100	213	8.100	271	8.100	329	8.100	387	8.100	445	8.100
40	8.100	98	8.100	156	8.100	214	8.100	272	8.100	330	8.100	388	8.100	446	8.100
41	8.100	99	8.100	157	8.100	215	8.100	273	8.100	331	8.100	389	8.100	447	8.100
42	8.100	100	8.100	158	8.100	216	8.100	274	8.100	332	8.100	390	8.100	448	8.100
43	8.100	101	8.100	159	8.100	217	8.100	275	8.100	333	8.100	391	8.100	449	8.100
44	8.100	102	8.100	160	8.100	218	8.100	276	8.100	334	8.100	392	8.100	450	8.100
45	8.100	103	8.100	161	8.100	219	8.100	277	8.100	335	8.100	393	8.100	451	8.100
46	8.100	104	8.100	162	8.100	220	8.100	278	8.100	336	8.100	394	8.100	452	8.100
47	8.100	105	8.100	163	8.100	221	8.100	279	8.100	337	8.100	395	8.100	453	8.100
48	8.100	106	8.100	164	8.100	222	8.100	280	8.100	338	8.100	396	8.100	454	8.100
49	8.100	107	8.100	165	8.100	223	8.100	281	8.100	339	8.100	397	8.100	455	8.100
50	8.100	108	8.100	166	8.100	224	8.100	282	8.100	340	8.100	398	8.100	456	8.100
51	8.100	109	8.100	167	8.100	225	8.100	283	8.100	341	8.100	399	8.100	457	8.100
52	8.100	110	8.100	168	8.100	226	8.100	284	8.100	342	8.100	400	8.100	458	8.100
53	8.100	111	8.100	169	8.100	227	8.100	285	8.100	343	8.100	401	8.100	459	8.100
54	8.100	112	8.100	170	8.100	228	8.100	286	8.100	344	8.100	402	8.100	460	8.100
55	8.100	113	8.100	171	8.100	229	8.100	287	8.100	345	8.100	403	8.100	461	8.100
56	8.100	114	8.100	172	8.100	230	8.100	288	8.100	346	8.100	404	8.100	462	8.100
57	8.100	115	8.100	173	8.100	231	8.100	289	8.100	347	8.100	405	8.100	463	8.100
58	8.100	116	8.100	174	8.100	232	8.100	290	8.100	348	8.100	406	8.100	464	8.100

Sizewell Link road  
SLR-AB-24



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Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
523	8.100	585	8.100	647	8.100	709	8.100	771	8.100	833	8.100	895	8.100	957	8.100
524	8.100	586	8.100	648	8.100	710	8.100	772	8.100	834	8.100	896	8.100	958	8.100
525	8.100	587	8.100	649	8.100	711	8.100	773	8.100	835	8.100	897	8.100	959	8.100
526	8.100	588	8.100	650	8.100	712	8.100	774	8.100	836	8.100	898	8.100	960	8.100
527	8.100	589	8.100	651	8.100	713	8.100	775	8.100	837	8.100	899	8.100	961	8.100
528	8.100	590	8.100	652	8.100	714	8.100	776	8.100	838	8.100	900	8.100	962	8.100
529	8.100	591	8.100	653	8.100	715	8.100	777	8.100	839	8.100	901	8.100	963	8.100
530	8.100	592	8.100	654	8.100	716	8.100	778	8.100	840	8.100	902	8.100	964	8.100
531	8.100	593	8.100	655	8.100	717	8.100	779	8.100	841	8.100	903	8.100	965	8.100
532	8.100	594	8.100	656	8.100	718	8.100	780	8.100	842	8.100	904	8.100	966	8.100
533	8.100	595	8.100	657	8.100	719	8.100	781	8.100	843	8.100	905	8.100	967	8.100
534	8.100	596	8.100	658	8.100	720	8.100	782	8.100	844	8.100	906	8.100	968	8.100
535	8.100	597	8.100	659	8.100	721	8.100	783	8.100	845	8.100	907	8.100	969	8.100
536	8.100	598	8.100	660	8.100	722	8.100	784	8.100	846	8.100	908	8.100	970	8.100
537	8.100	599	8.100	661	8.100	723	8.100	785	8.100	847	8.100	909	8.100	971	8.100
538	8.100	600	8.100	662	8.100	724	8.100	786	8.100	848	8.100	910	8.100	972	8.100
539	8.100	601	8.100	663	8.100	725	8.100	787	8.100	849	8.100	911	8.100	973	8.100
540	8.100	602	8.100	664	8.100	726	8.100	788	8.100	850	8.100	912	8.100	974	8.100
541	8.100	603	8.100	665	8.100	727	8.100	789	8.100	851	8.100	913	8.100	975	8.100
542	8.100	604	8.100	666	8.100	728	8.100	790	8.100	852	8.100	914	8.100	976	8.100
543	8.100	605	8.100	667	8.100	729	8.100	791	8.100	853	8.100	915	8.100	977	8.100
544	8.100	606	8.100	668	8.100	730	8.100	792	8.100	854	8.100	916	8.100	978	8.100
545	8.100	607	8.100	669	8.100	731	8.100	793	8.100	855	8.100	917	8.100	979	8.100
546	8.100	608	8.100	670	8.100	732	8.100	794	8.100	856	8.100	918	8.100	980	8.100
547	8.100	609	8.100	671	8.100	733	8.100	795	8.100	857	8.100	919	8.100	981	8.100
548	8.100	610	8.100	672	8.100	734	8.100	796	8.100	858	8.100	920	8.100	982	8.100
549	8.100	611	8.100	673	8.100	735	8.100	797	8.100	859	8.100	921	8.100	983	8.100
550	8.100	612	8.100	674	8.100	736	8.100	798	8.100	860	8.100	922	8.100	984	8.100
551	8.100	613	8.100	675	8.100	737	8.100	799	8.100	861	8.100	923	8.100	985	8.100
552	8.100	614	8.100	676	8.100	738	8.100	800	8.100	862	8.100	924	8.100	986	8.100
553	8.100	615	8.100	677	8.100	739	8.100	801	8.100	863	8.100	925	8.100	987	8.100
554	8.100	616	8.100	678	8.100	740	8.100	802	8.100	864	8.100	926	8.100	988	8.100
555	8.100	617	8.100	679	8.100	741	8.100	803	8.100	865	8.100	927	8.100	989	8.100
556	8.100	618	8.100	680	8.100	742	8.100	804	8.100	866	8.100	928	8.100	990	8.100
557	8.100	619	8.100	681	8.100	743	8.100	805	8.100	867	8.100	929	8.100	991	8.100
558	8.100	620	8.100	682	8.100	744	8.100	806	8.100	868	8.100	930	8.100	992	8.100
559	8.100	621	8.100	683	8.100	745	8.100	807	8.100	869	8.100	931	8.100	993	8.100
560	8.100	622	8.100	684	8.100	746	8.100	808	8.100	870	8.100	932	8.100	994	8.100
561	8.100	623	8.100	685	8.100	747	8.100	809	8.100	871	8.100	933	8.100	995	8.100
562	8.100	624	8.100	686	8.100	748	8.100	810	8.100	872	8.100	934	8.100	996	8.100
563	8.100	625	8.100	687	8.100	749	8.100	811	8.100	873	8.100	935	8.100	997	8.100
564	8.100	626	8.100	688	8.100	750	8.100	812	8.100	874	8.100	936	8.100	998	8.100
565	8.100	627	8.100	689	8.100	751	8.100	813	8.100	875	8.100	937	8.100	999	8.100
566	8.100	628	8.100	690	8.100	752	8.100	814	8.100	876	8.100	938	8.100	1000	8.100
567	8.100	629	8.100	691	8.100	753	8.100	815	8.100	877	8.100	939	8.100	1001	8.100
568	8.100	630	8.100	692	8.100	754	8.100	816	8.100	878	8.100	940	8.100	1002	8.100
569	8.100	631	8.100	693	8.100	755	8.100	817	8.100	879	8.100	941	8.100	1003	8.100
570	8.100	632	8.100	694	8.100	756	8.100	818	8.100	880	8.100	942	8.100	1004	8.100
571	8.100	633	8.100	695	8.100	757	8.100	819	8.100	881	8.100	943	8.100	1005	8.100
572	8.100	634	8.100	696	8.100	758	8.100	820	8.100	882	8.100	944	8.100	1006	8.100
573	8.100	635	8.100	697	8.100	759	8.100	821	8.100	883	8.100	945	8.100	1007	8.100
574	8.100	636	8.100	698	8.100	760	8.100	822	8.100	884	8.100	946	8.100	1008	8.100
575	8.100	637	8.100	699	8.100	761	8.100	823	8.100	885	8.100	947	8.100	1009	8.100
576	8.100	638	8.100	700	8.100	762	8.100	824	8.100	886	8.100	948	8.100	1010	8.100
577	8.100	639	8.100	701	8.100	763	8.100	825	8.100	887	8.100	949	8.100	1011	8.100
578	8.100	640	8.100	702	8.100	764	8.100	826	8.100	888	8.100	950	8.100	1012	8.100
579	8.100	641	8.100	703	8.100	765	8.100	827	8.100	889	8.100	951	8.100	1013	8.100
580	8.100	642	8.100	704	8.100	766	8.100	828	8.100	890	8.100	952	8.100	1014	8.100
581	8.100	643	8.100	705	8.100	767	8.100	829	8.100	891	8.100	953	8.100	1015	8.100
582	8.100	644	8.100	706	8.100	768	8.100	830	8.100	892	8.100	954	8.100	1016	8.100
583	8.100	645	8.100	707	8.100	769	8.100	831	8.100	893	8.100	955	8.100	1017	8.100
584	8.100	646	8.100	708	8.100	770	8.100	832	8.100	894	8.100	956	8.100	1018	8.100



Sizewell Link road  
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Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1081	8.100	1143	8.100	1205	8.100	1267	8.100	1329	8.100	1391	8.100	1453	8.100	1515	8.100
1082	8.100	1144	8.100	1206	8.100	1268	8.100	1330	8.100	1392	8.100	1454	8.100	1516	8.100
1083	8.100	1145	8.100	1207	8.100	1269	8.100	1331	8.100	1393	8.100	1455	8.100	1517	8.100
1084	8.100	1146	8.100	1208	8.100	1270	8.100	1332	8.100	1394	8.100	1456	8.100	1518	8.100
1085	8.100	1147	8.100	1209	8.100	1271	8.100	1333	8.100	1395	8.100	1457	8.100	1519	8.100
1086	8.100	1148	8.100	1210	8.100	1272	8.100	1334	8.100	1396	8.100	1458	8.100	1520	8.100
1087	8.100	1149	8.100	1211	8.100	1273	8.100	1335	8.100	1397	8.100	1459	8.100	1521	8.100
1088	8.100	1150	8.100	1212	8.100	1274	8.100	1336	8.100	1398	8.100	1460	8.100	1522	8.100
1089	8.100	1151	8.100	1213	8.100	1275	8.100	1337	8.100	1399	8.100	1461	8.100	1523	8.100
1090	8.100	1152	8.100	1214	8.100	1276	8.100	1338	8.100	1400	8.100	1462	8.100	1524	8.100
1091	8.100	1153	8.100	1215	8.100	1277	8.100	1339	8.100	1401	8.100	1463	8.100	1525	8.100
1092	8.100	1154	8.100	1216	8.100	1278	8.100	1340	8.100	1402	8.100	1464	8.100	1526	8.100
1093	8.100	1155	8.100	1217	8.100	1279	8.100	1341	8.100	1403	8.100	1465	8.100	1527	8.100
1094	8.100	1156	8.100	1218	8.100	1280	8.100	1342	8.100	1404	8.100	1466	8.100	1528	8.100
1095	8.100	1157	8.100	1219	8.100	1281	8.100	1343	8.100	1405	8.100	1467	8.100	1529	8.100
1096	8.100	1158	8.100	1220	8.100	1282	8.100	1344	8.100	1406	8.100	1468	8.100	1530	8.100
1097	8.100	1159	8.100	1221	8.100	1283	8.100	1345	8.100	1407	8.100	1469	8.100	1531	8.100
1098	8.100	1160	8.100	1222	8.100	1284	8.100	1346	8.100	1408	8.100	1470	8.100	1532	8.100
1099	8.100	1161	8.100	1223	8.100	1285	8.100	1347	8.100	1409	8.100	1471	8.100	1533	8.100
1100	8.100	1162	8.100	1224	8.100	1286	8.100	1348	8.100	1410	8.100	1472	8.100	1534	8.100
1101	8.100	1163	8.100	1225	8.100	1287	8.100	1349	8.100	1411	8.100	1473	8.100	1535	8.100
1102	8.100	1164	8.100	1226	8.100	1288	8.100	1350	8.100	1412	8.100	1474	8.100	1536	8.100
1103	8.100	1165	8.100	1227	8.100	1289	8.100	1351	8.100	1413	8.100	1475	8.100	1537	8.100
1104	8.100	1166	8.100	1228	8.100	1290	8.100	1352	8.100	1414	8.100	1476	8.100	1538	8.100
1105	8.100	1167	8.100	1229	8.100	1291	8.100	1353	8.100	1415	8.100	1477	8.100	1539	8.100
1106	8.100	1168	8.100	1230	8.100	1292	8.100	1354	8.100	1416	8.100	1478	8.100	1540	8.100
1107	8.100	1169	8.100	1231	8.100	1293	8.100	1355	8.100	1417	8.100	1479	8.100	1541	8.100
1108	8.100	1170	8.100	1232	8.100	1294	8.100	1356	8.100	1418	8.100	1480	8.100	1542	8.100
1109	8.100	1171	8.100	1233	8.100	1295	8.100	1357	8.100	1419	8.100	1481	8.100	1543	8.100
1110	8.100	1172	8.100	1234	8.100	1296	8.100	1358	8.100	1420	8.100	1482	8.100	1544	8.100
1111	8.100	1173	8.100	1235	8.100	1297	8.100	1359	8.100	1421	8.100	1483	8.100	1545	8.100
1112	8.100	1174	8.100	1236	8.100	1298	8.100	1360	8.100	1422	8.100	1484	8.100	1546	8.100
1113	8.100	1175	8.100	1237	8.100	1299	8.100	1361	8.100	1423	8.100	1485	8.100	1547	8.100
1114	8.100	1176	8.100	1238	8.100	1300	8.100	1362	8.100	1424	8.100	1486	8.100	1548	8.100
1115	8.100	1177	8.100	1239	8.100	1301	8.100	1363	8.100	1425	8.100	1487	8.100	1549	8.100
1116	8.100	1178	8.100	1240	8.100	1302	8.100	1364	8.100	1426	8.100	1488	8.100	1550	8.100
1117	8.100	1179	8.100	1241	8.100	1303	8.100	1365	8.100	1427	8.100	1489	8.100	1551	8.100
1118	8.100	1180	8.100	1242	8.100	1304	8.100	1366	8.100	1428	8.100	1490	8.100	1552	8.100
1119	8.100	1181	8.100	1243	8.100	1305	8.100	1367	8.100	1429	8.100	1491	8.100	1553	8.100
1120	8.100	1182	8.100	1244	8.100	1306	8.100	1368	8.100	1430	8.100	1492	8.100	1554	8.100
1121	8.100	1183	8.100	1245	8.100	1307	8.100	1369	8.100	1431	8.100	1493	8.100	1555	8.100
1122	8.100	1184	8.100	1246	8.100	1308	8.100	1370	8.100	1432	8.100	1494	8.100	1556	8.100
1123	8.100	1185	8.100	1247	8.100	1309	8.100	1371	8.100	1433	8.100	1495	8.100	1557	8.100
1124	8.100	1186	8.100	1248	8.100	1310	8.100	1372	8.100	1434	8.100	1496	8.100	1558	8.100
1125	8.100	1187	8.100	1249	8.100	1311	8.100	1373	8.100	1435	8.100	1497	8.100	1559	8.100
1126	8.100	1188	8.100	1250	8.100	1312	8.100	1374	8.100	1436	8.100	1498	8.100	1560	8.100
1127	8.100	1189	8.100	1251	8.100	1313	8.100	1375	8.100	1437	8.100	1499	8.100	1561	8.100
1128	8.100	1190	8.100	1252	8.100	1314	8.100	1376	8.100	1438	8.100	1500	8.100	1562	8.100
1129	8.100	1191	8.100	1253	8.100	1315	8.100	1377	8.100	1439	8.100	1501	8.100	1563	8.100
1130	8.100	1192	8.100	1254	8.100	1316	8.100	1378	8.100	1440	8.100	1502	8.100	1564	8.100
1131	8.100	1193	8.100	1255	8.100	1317	8.100	1379	8.100	1441	8.100	1503	8.100	1565	8.100
1132	8.100	1194	8.100	1256	8.100	1318	8.100	1380	8.100	1442	8.100	1504	8.100	1566	8.100
1133	8.100	1195	8.100	1257	8.100	1319	8.100	1381	8.100	1443	8.100	1505	8.100	1567	8.100
1134	8.100	1196	8.100	1258	8.100	1320	8.100	1382	8.100	1444	8.100	1506	8.100	1568	8.100
1135	8.100	1197	8.100	1259	8.100	1321	8.100	1383	8.100	1445	8.100	1507	8.100	1569	8.100
1136	8.100	1198	8.100	1260	8.100	1322	8.100	1384	8.100	1446	8.100	1508	8.100	1570	8.100
1137	8.100	1199	8.100	1261	8.100	1323	8.100	1385	8.100	1447	8.100	1509	8.100	1571	8.100
1138	8.100	1200	8.100	1262	8.100	1324	8.100	1386	8.100	1448	8.100	1510	8.100	1572	8.100
1139	8.100	1201	8.100	1263	8.100	1325	8.100	1387	8.100	1449	8.100	1511	8.100	1573	8.100
1140	8.100	1202	8.100	1264	8.100	1326	8.100	1388	8.100	1450	8.100	1512	8.100	1574	8.100
1141	8.100	1203	8.100	1265	8.100	1327	8.100	1389	8.100	1451	8.100	1513	8.100	1575	8.100
1142	8.100	1204	8.100	1266	8.100	1328	8.100	1390	8.100	1452	8.100	1514	8.100	1576	8.100



Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1639	8.100	1701	8.100	1763	8.100	1825	8.100	1887	8.100	1949	8.100	2011	8.100	2073	8.100
1640	8.100	1702	8.100	1764	8.100	1826	8.100	1888	8.100	1950	8.100	2012	8.100	2074	8.100
1641	8.100	1703	8.100	1765	8.100	1827	8.100	1889	8.100	1951	8.100	2013	8.100	2075	8.100
1642	8.100	1704	8.100	1766	8.100	1828	8.100	1890	8.100	1952	8.100	2014	8.100	2076	8.100
1643	8.100	1705	8.100	1767	8.100	1829	8.100	1891	8.100	1953	8.100	2015	8.100	2077	8.100
1644	8.100	1706	8.100	1768	8.100	1830	8.100	1892	8.100	1954	8.100	2016	8.100	2078	8.100
1645	8.100	1707	8.100	1769	8.100	1831	8.100	1893	8.100	1955	8.100	2017	8.100	2079	8.100
1646	8.100	1708	8.100	1770	8.100	1832	8.100	1894	8.100	1956	8.100	2018	8.100	2080	8.100
1647	8.100	1709	8.100	1771	8.100	1833	8.100	1895	8.100	1957	8.100	2019	8.100	2081	8.100
1648	8.100	1710	8.100	1772	8.100	1834	8.100	1896	8.100	1958	8.100	2020	8.100	2082	8.100
1649	8.100	1711	8.100	1773	8.100	1835	8.100	1897	8.100	1959	8.100	2021	8.100	2083	8.100
1650	8.100	1712	8.100	1774	8.100	1836	8.100	1898	8.100	1960	8.100	2022	8.100	2084	8.100
1651	8.100	1713	8.100	1775	8.100	1837	8.100	1899	8.100	1961	8.100	2023	8.100	2085	8.100
1652	8.100	1714	8.100	1776	8.100	1838	8.100	1900	8.100	1962	8.100	2024	8.100	2086	8.100
1653	8.100	1715	8.100	1777	8.100	1839	8.100	1901	8.100	1963	8.100	2025	8.100	2087	8.100
1654	8.100	1716	8.100	1778	8.100	1840	8.100	1902	8.100	1964	8.100	2026	8.100	2088	8.100
1655	8.100	1717	8.100	1779	8.100	1841	8.100	1903	8.100	1965	8.100	2027	8.100	2089	8.100
1656	8.100	1718	8.100	1780	8.100	1842	8.100	1904	8.100	1966	8.100	2028	8.100	2090	8.100
1657	8.100	1719	8.100	1781	8.100	1843	8.100	1905	8.100	1967	8.100	2029	8.100	2091	8.100
1658	8.100	1720	8.100	1782	8.100	1844	8.100	1906	8.100	1968	8.100	2030	8.100	2092	8.100
1659	8.100	1721	8.100	1783	8.100	1845	8.100	1907	8.100	1969	8.100	2031	8.100	2093	8.100
1660	8.100	1722	8.100	1784	8.100	1846	8.100	1908	8.100	1970	8.100	2032	8.100	2094	8.100
1661	8.100	1723	8.100	1785	8.100	1847	8.100	1909	8.100	1971	8.100	2033	8.100	2095	8.100
1662	8.100	1724	8.100	1786	8.100	1848	8.100	1910	8.100	1972	8.100	2034	8.100	2096	8.100
1663	8.100	1725	8.100	1787	8.100	1849	8.100	1911	8.100	1973	8.100	2035	8.100	2097	8.100
1664	8.100	1726	8.100	1788	8.100	1850	8.100	1912	8.100	1974	8.100	2036	8.100	2098	8.100
1665	8.100	1727	8.100	1789	8.100	1851	8.100	1913	8.100	1975	8.100	2037	8.100	2099	8.100
1666	8.100	1728	8.100	1790	8.100	1852	8.100	1914	8.100	1976	8.100	2038	8.100	2100	8.100
1667	8.100	1729	8.100	1791	8.100	1853	8.100	1915	8.100	1977	8.100	2039	8.100	2101	8.100
1668	8.100	1730	8.100	1792	8.100	1854	8.100	1916	8.100	1978	8.100	2040	8.100	2102	8.100
1669	8.100	1731	8.100	1793	8.100	1855	8.100	1917	8.100	1979	8.100	2041	8.100	2103	8.100
1670	8.100	1732	8.100	1794	8.100	1856	8.100	1918	8.100	1980	8.100	2042	8.100	2104	8.100
1671	8.100	1733	8.100	1795	8.100	1857	8.100	1919	8.100	1981	8.100	2043	8.100	2105	8.100
1672	8.100	1734	8.100	1796	8.100	1858	8.100	1920	8.100	1982	8.100	2044	8.100	2106	8.100
1673	8.100	1735	8.100	1797	8.100	1859	8.100	1921	8.100	1983	8.100	2045	8.100	2107	8.100
1674	8.100	1736	8.100	1798	8.100	1860	8.100	1922	8.100	1984	8.100	2046	8.100	2108	8.100
1675	8.100	1737	8.100	1799	8.100	1861	8.100	1923	8.100	1985	8.100	2047	8.100	2109	8.100
1676	8.100	1738	8.100	1800	8.100	1862	8.100	1924	8.100	1986	8.100	2048	8.100	2110	8.100
1677	8.100	1739	8.100	1801	8.100	1863	8.100	1925	8.100	1987	8.100	2049	8.100	2111	8.100
1678	8.100	1740	8.100	1802	8.100	1864	8.100	1926	8.100	1988	8.100	2050	8.100	2112	8.100
1679	8.100	1741	8.100	1803	8.100	1865	8.100	1927	8.100	1989	8.100	2051	8.100	2113	8.100
1680	8.100	1742	8.100	1804	8.100	1866	8.100	1928	8.100	1990	8.100	2052	8.100	2114	8.100
1681	8.100	1743	8.100	1805	8.100	1867	8.100	1929	8.100	1991	8.100	2053	8.100	2115	8.100
1682	8.100	1744	8.100	1806	8.100	1868	8.100	1930	8.100	1992	8.100	2054	8.100	2116	8.100
1683	8.100	1745	8.100	1807	8.100	1869	8.100	1931	8.100	1993	8.100	2055	8.100	2117	8.100
1684	8.100	1746	8.100	1808	8.100	1870	8.100	1932	8.100	1994	8.100	2056	8.100	2118	8.100
1685	8.100	1747	8.100	1809	8.100	1871	8.100	1933	8.100	1995	8.100	2057	8.100	2119	8.100
1686	8.100	1748	8.100	1810	8.100	1872	8.100	1934	8.100	1996	8.100	2058	8.100	2120	8.100
1687	8.100	1749	8.100	1811	8.100	1873	8.100	1935	8.100	1997	8.100	2059	8.100	2121	8.100
1688	8.100	1750	8.100	1812	8.100	1874	8.100	1936	8.100	1998	8.100	2060	8.100	2122	8.100
1689	8.100	1751	8.100	1813	8.100	1875	8.100	1937	8.100	1999	8.100	2061	8.100	2123	8.100
1690	8.100	1752	8.100	1814	8.100	1876	8.100	1938	8.100	2000	8.100	2062	8.100	2124	8.100
1691	8.100	1753	8.100	1815	8.100	1877	8.100	1939	8.100	2001	8.100	2063	8.100	2125	8.100
1692	8.100	1754	8.100	1816	8.100	1878	8.100	1940	8.100	2002	8.100	2064	8.100	2126	8.100
1693	8.100	1755	8.100	1817	8.100	1879	8.100	1941	8.100	2003	8.100	2065	8.100	2127	8.100
1694	8.100	1756	8.100	1818	8.100	1880	8.100	1942	8.100	2004	8.100	2066	8.100	2128	8.100
1695	8.100	1757	8.100	1819	8.100	1881	8.100	1943	8.100	2005	8.100	2067	8.100	2129	8.100
1696	8.100	1758	8.100	1820	8.100	1882	8.100	1944	8.100	2006	8.100	2068	8.100	2130	8.100
1697	8.100	1759	8.100	1821	8.100	1883	8.100	1945	8.100	2007	8.100	2069	8.100	2131	8.100
1698	8.100	1760	8.100	1822	8.100	1884	8.100	1946	8.100	2008	8.100	2070	8.100	2132	8.100
1699	8.100	1761	8.100	1823	8.100	1885	8.100	1947	8.100	2009	8.100	2071	8.100	2133	8.100
1700	8.100	1762	8.100	1824	8.100	1886	8.100	1948	8.100	2010	8.100	2072	8.100	2134	8.100

Sizewell Link road  
SLR-AB-24



Date 30/09/2021

Designed by Dan James

File SLR-AB-24 surcharged.MDX

Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2197	8.100	2259	8.100	2321	8.100	2383	8.100	2445	8.100	2507	8.100	2569	8.100	2631	8.100
2198	8.100	2260	8.100	2322	8.100	2384	8.100	2446	8.100	2508	8.100	2570	8.100	2632	8.100
2199	8.100	2261	8.100	2323	8.100	2385	8.100	2447	8.100	2509	8.100	2571	8.100	2633	8.100
2200	8.100	2262	8.100	2324	8.100	2386	8.100	2448	8.100	2510	8.100	2572	8.100	2634	8.100
2201	8.100	2263	8.100	2325	8.100	2387	8.100	2449	8.100	2511	8.100	2573	8.100	2635	8.100
2202	8.100	2264	8.100	2326	8.100	2388	8.100	2450	8.100	2512	8.100	2574	8.100	2636	8.100
2203	8.100	2265	8.100	2327	8.100	2389	8.100	2451	8.100	2513	8.100	2575	8.100	2637	8.100
2204	8.100	2266	8.100	2328	8.100	2390	8.100	2452	8.100	2514	8.100	2576	8.100	2638	8.100
2205	8.100	2267	8.100	2329	8.100	2391	8.100	2453	8.100	2515	8.100	2577	8.100	2639	8.100
2206	8.100	2268	8.100	2330	8.100	2392	8.100	2454	8.100	2516	8.100	2578	8.100	2640	8.100
2207	8.100	2269	8.100	2331	8.100	2393	8.100	2455	8.100	2517	8.100	2579	8.100	2641	8.100
2208	8.100	2270	8.100	2332	8.100	2394	8.100	2456	8.100	2518	8.100	2580	8.100	2642	8.100
2209	8.100	2271	8.100	2333	8.100	2395	8.100	2457	8.100	2519	8.100	2581	8.100	2643	8.100
2210	8.100	2272	8.100	2334	8.100	2396	8.100	2458	8.100	2520	8.100	2582	8.100	2644	8.100
2211	8.100	2273	8.100	2335	8.100	2397	8.100	2459	8.100	2521	8.100	2583	8.100	2645	8.100
2212	8.100	2274	8.100	2336	8.100	2398	8.100	2460	8.100	2522	8.100	2584	8.100	2646	8.100
2213	8.100	2275	8.100	2337	8.100	2399	8.100	2461	8.100	2523	8.100	2585	8.100	2647	8.100
2214	8.100	2276	8.100	2338	8.100	2400	8.100	2462	8.100	2524	8.100	2586	8.100	2648	8.100
2215	8.100	2277	8.100	2339	8.100	2401	8.100	2463	8.100	2525	8.100	2587	8.100	2649	8.100
2216	8.100	2278	8.100	2340	8.100	2402	8.100	2464	8.100	2526	8.100	2588	8.100	2650	8.100
2217	8.100	2279	8.100	2341	8.100	2403	8.100	2465	8.100	2527	8.100	2589	8.100	2651	8.100
2218	8.100	2280	8.100	2342	8.100	2404	8.100	2466	8.100	2528	8.100	2590	8.100	2652	8.100
2219	8.100	2281	8.100	2343	8.100	2405	8.100	2467	8.100	2529	8.100	2591	8.100	2653	8.100
2220	8.100	2282	8.100	2344	8.100	2406	8.100	2468	8.100	2530	8.100	2592	8.100	2654	8.100
2221	8.100	2283	8.100	2345	8.100	2407	8.100	2469	8.100	2531	8.100	2593	8.100	2655	8.100
2222	8.100	2284	8.100	2346	8.100	2408	8.100	2470	8.100	2532	8.100	2594	8.100	2656	8.100
2223	8.100	2285	8.100	2347	8.100	2409	8.100	2471	8.100	2533	8.100	2595	8.100	2657	8.100
2224	8.100	2286	8.100	2348	8.100	2410	8.100	2472	8.100	2534	8.100	2596	8.100	2658	8.100
2225	8.100	2287	8.100	2349	8.100	2411	8.100	2473	8.100	2535	8.100	2597	8.100	2659	8.100
2226	8.100	2288	8.100	2350	8.100	2412	8.100	2474	8.100	2536	8.100	2598	8.100	2660	8.100
2227	8.100	2289	8.100	2351	8.100	2413	8.100	2475	8.100	2537	8.100	2599	8.100	2661	8.100
2228	8.100	2290	8.100	2352	8.100	2414	8.100	2476	8.100	2538	8.100	2600	8.100	2662	8.100
2229	8.100	2291	8.100	2353	8.100	2415	8.100	2477	8.100	2539	8.100	2601	8.100	2663	8.100
2230	8.100	2292	8.100	2354	8.100	2416	8.100	2478	8.100	2540	8.100	2602	8.100	2664	8.100
2231	8.100	2293	8.100	2355	8.100	2417	8.100	2479	8.100	2541	8.100	2603	8.100	2665	8.100
2232	8.100	2294	8.100	2356	8.100	2418	8.100	2480	8.100	2542	8.100	2604	8.100	2666	8.100
2233	8.100	2295	8.100	2357	8.100	2419	8.100	2481	8.100	2543	8.100	2605	8.100	2667	8.100
2234	8.100	2296	8.100	2358	8.100	2420	8.100	2482	8.100	2544	8.100	2606	8.100	2668	8.100
2235	8.100	2297	8.100	2359	8.100	2421	8.100	2483	8.100	2545	8.100	2607	8.100	2669	8.100
2236	8.100	2298	8.100	2360	8.100	2422	8.100	2484	8.100	2546	8.100	2608	8.100	2670	8.100
2237	8.100	2299	8.100	2361	8.100	2423	8.100	2485	8.100	2547	8.100	2609	8.100	2671	8.100
2238	8.100	2300	8.100	2362	8.100	2424	8.100	2486	8.100	2548	8.100	2610	8.100	2672	8.100
2239	8.100	2301	8.100	2363	8.100	2425	8.100	2487	8.100	2549	8.100	2611	8.100	2673	8.100
2240	8.100	2302	8.100	2364	8.100	2426	8.100	2488	8.100	2550	8.100	2612	8.100	2674	8.100
2241	8.100	2303	8.100	2365	8.100	2427	8.100	2489	8.100	2551	8.100	2613	8.100	2675	8.100
2242	8.100	2304	8.100	2366	8.100	2428	8.100	2490	8.100	2552	8.100	2614	8.100	2676	8.100
2243	8.100	2305	8.100	2367	8.100	2429	8.100	2491	8.100	2553	8.100	2615	8.100	2677	8.100
2244	8.100	2306	8.100	2368	8.100	2430	8.100	2492	8.100	2554	8.100	2616	8.100	2678	8.100
2245	8.100	2307	8.100	2369	8.100	2431	8.100	2493	8.100	2555	8.100	2617	8.100	2679	8.100
2246	8.100	2308	8.100	2370	8.100	2432	8.100	2494	8.100	2556	8.100	2618	8.100	2680	8.100
2247	8.100	2309	8.100	2371	8.100	2433	8.100	2495	8.100	2557	8.100	2619	8.100	2681	8.100
2248	8.100	2310	8.100	2372	8.100	2434	8.100	2496	8.100	2558	8.100	2620	8.100	2682	8.100
2249	8.100	2311	8.100	2373	8.100	2435	8.100	2497	8.100	2559	8.100	2621	8.100	2683	8.100
2250	8.100	2312	8.100	2374	8.100	2436	8.100	2498	8.100	2560	8.100	2622	8.100	2684	8.100
2251	8.100	2313	8.100	2375	8.100	2437	8.100	2499	8.100	2561	8.100	2623	8.100	2685	8.100
2252	8.100	2314	8.100	2376	8.100	2438	8.100	2500	8.100	2562	8.100	2624	8.100	2686	8.100
2253	8.100	2315	8.100	2377	8.100	2439	8.100	2501	8.100	2563	8.100	2625	8.100	2687	8.100
2254	8.100	2316	8.100	2378	8.100	2440	8.100	2502	8.100	2564	8.100	2626	8.100	2688	8.100
2255	8.100	2317	8.100	2379	8.100	2441	8.100	2503	8.100	2565	8.100	2627	8.100	2689	8.100
2256	8.100	2318	8.100	2380	8.100	2442	8.100	2504	8.100	2566	8.100	2628	8.100	2690	8.100
2257	8.100	2319	8.100	2381	8.100	2443	8.100	2505	8.100	2567	8.100	2629	8.100	2691	8.100
2258	8.100	2320	8.100	2382	8.100	2444	8.100	2506	8.100	2568	8.100	2630	8.100	2692	8.100

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2755	8.100	2817	8.100	2879	8.100	2941	8.100	3003	8.100	3065	8.100	3127	8.100	3189	8.100
2756	8.100	2818	8.100	2880	8.100	2942	8.100	3004	8.100	3066	8.100	3128	8.100	3190	8.100
2757	8.100	2819	8.100	2881	8.100	2943	8.100	3005	8.100	3067	8.100	3129	8.100	3191	8.100
2758	8.100	2820	8.100	2882	8.100	2944	8.100	3006	8.100	3068	8.100	3130	8.100	3192	8.100
2759	8.100	2821	8.100	2883	8.100	2945	8.100	3007	8.100	3069	8.100	3131	8.100	3193	8.100
2760	8.100	2822	8.100	2884	8.100	2946	8.100	3008	8.100	3070	8.100	3132	8.100	3194	8.100
2761	8.100	2823	8.100	2885	8.100	2947	8.100	3009	8.100	3071	8.100	3133	8.100	3195	8.100
2762	8.100	2824	8.100	2886	8.100	2948	8.100	3010	8.100	3072	8.100	3134	8.100	3196	8.100
2763	8.100	2825	8.100	2887	8.100	2949	8.100	3011	8.100	3073	8.100	3135	8.100	3197	8.100
2764	8.100	2826	8.100	2888	8.100	2950	8.100	3012	8.100	3074	8.100	3136	8.100	3198	8.100
2765	8.100	2827	8.100	2889	8.100	2951	8.100	3013	8.100	3075	8.100	3137	8.100	3199	8.100
2766	8.100	2828	8.100	2890	8.100	2952	8.100	3014	8.100	3076	8.100	3138	8.100	3200	8.100
2767	8.100	2829	8.100	2891	8.100	2953	8.100	3015	8.100	3077	8.100	3139	8.100	3201	8.100
2768	8.100	2830	8.100	2892	8.100	2954	8.100	3016	8.100	3078	8.100	3140	8.100	3202	8.100
2769	8.100	2831	8.100	2893	8.100	2955	8.100	3017	8.100	3079	8.100	3141	8.100	3203	8.100
2770	8.100	2832	8.100	2894	8.100	2956	8.100	3018	8.100	3080	8.100	3142	8.100	3204	8.100
2771	8.100	2833	8.100	2895	8.100	2957	8.100	3019	8.100	3081	8.100	3143	8.100	3205	8.100
2772	8.100	2834	8.100	2896	8.100	2958	8.100	3020	8.100	3082	8.100	3144	8.100	3206	8.100
2773	8.100	2835	8.100	2897	8.100	2959	8.100	3021	8.100	3083	8.100	3145	8.100	3207	8.100
2774	8.100	2836	8.100	2898	8.100	2960	8.100	3022	8.100	3084	8.100	3146	8.100	3208	8.100
2775	8.100	2837	8.100	2899	8.100	2961	8.100	3023	8.100	3085	8.100	3147	8.100	3209	8.100
2776	8.100	2838	8.100	2900	8.100	2962	8.100	3024	8.100	3086	8.100	3148	8.100	3210	8.100
2777	8.100	2839	8.100	2901	8.100	2963	8.100	3025	8.100	3087	8.100	3149	8.100	3211	8.100
2778	8.100	2840	8.100	2902	8.100	2964	8.100	3026	8.100	3088	8.100	3150	8.100	3212	8.100
2779	8.100	2841	8.100	2903	8.100	2965	8.100	3027	8.100	3089	8.100	3151	8.100	3213	8.100
2780	8.100	2842	8.100	2904	8.100	2966	8.100	3028	8.100	3090	8.100	3152	8.100	3214	8.100
2781	8.100	2843	8.100	2905	8.100	2967	8.100	3029	8.100	3091	8.100	3153	8.100	3215	8.100
2782	8.100	2844	8.100	2906	8.100	2968	8.100	3030	8.100	3092	8.100	3154	8.100	3216	8.100
2783	8.100	2845	8.100	2907	8.100	2969	8.100	3031	8.100	3093	8.100	3155	8.100	3217	8.100
2784	8.100	2846	8.100	2908	8.100	2970	8.100	3032	8.100	3094	8.100	3156	8.100	3218	8.100
2785	8.100	2847	8.100	2909	8.100	2971	8.100	3033	8.100	3095	8.100	3157	8.100	3219	8.100
2786	8.100	2848	8.100	2910	8.100	2972	8.100	3034	8.100	3096	8.100	3158	8.100	3220	8.100
2787	8.100	2849	8.100	2911	8.100	2973	8.100	3035	8.100	3097	8.100	3159	8.100	3221	8.100
2788	8.100	2850	8.100	2912	8.100	2974	8.100	3036	8.100	3098	8.100	3160	8.100	3222	8.100
2789	8.100	2851	8.100	2913	8.100	2975	8.100	3037	8.100	3099	8.100	3161	8.100	3223	8.100
2790	8.100	2852	8.100	2914	8.100	2976	8.100	3038	8.100	3100	8.100	3162	8.100	3224	8.100
2791	8.100	2853	8.100	2915	8.100	2977	8.100	3039	8.100	3101	8.100	3163	8.100	3225	8.100
2792	8.100	2854	8.100	2916	8.100	2978	8.100	3040	8.100	3102	8.100	3164	8.100	3226	8.100
2793	8.100	2855	8.100	2917	8.100	2979	8.100	3041	8.100	3103	8.100	3165	8.100	3227	8.100
2794	8.100	2856	8.100	2918	8.100	2980	8.100	3042	8.100	3104	8.100	3166	8.100	3228	8.100
2795	8.100	2857	8.100	2919	8.100	2981	8.100	3043	8.100	3105	8.100	3167	8.100	3229	8.100
2796	8.100	2858	8.100	2920	8.100	2982	8.100	3044	8.100	3106	8.100	3168	8.100	3230	8.100
2797	8.100	2859	8.100	2921	8.100	2983	8.100	3045	8.100	3107	8.100	3169	8.100	3231	8.100
2798	8.100	2860	8.100	2922	8.100	2984	8.100	3046	8.100	3108	8.100	3170	8.100	3232	8.100
2799	8.100	2861	8.100	2923	8.100	2985	8.100	3047	8.100	3109	8.100	3171	8.100	3233	8.100
2800	8.100	2862	8.100	2924	8.100	2986	8.100	3048	8.100	3110	8.100	3172	8.100	3234	8.100
2801	8.100	2863	8.100	2925	8.100	2987	8.100	3049	8.100	3111	8.100	3173	8.100	3235	8.100
2802	8.100	2864	8.100	2926	8.100	2988	8.100	3050	8.100	3112	8.100	3174	8.100	3236	8.100
2803	8.100	2865	8.100	2927	8.100	2989	8.100	3051	8.100	3113	8.100	3175	8.100	3237	8.100
2804	8.100	2866	8.100	2928	8.100	2990	8.100	3052	8.100	3114	8.100	3176	8.100	3238	8.100
2805	8.100	2867	8.100	2929	8.100	2991	8.100	3053	8.100	3115	8.100	3177	8.100	3239	8.100
2806	8.100	2868	8.100	2930	8.100	2992	8.100	3054	8.100	3116	8.100	3178	8.100	3240	8.100
2807	8.100	2869	8.100	2931	8.100	2993	8.100	3055	8.100	3117	8.100	3179	8.100	3241	8.100
2808	8.100	2870	8.100	2932	8.100	2994	8.100	3056	8.100	3118	8.100	3180	8.100	3242	8.100
2809	8.100	2871	8.100	2933	8.100	2995	8.100	3057	8.100	3119	8.100	3181	8.100	3243	8.100
2810	8.100	2872	8.100	2934	8.100	2996	8.100	3058	8.100	3120	8.100	3182	8.100	3244	8.100
2811	8.100	2873	8.100	2935	8.100	2997	8.100	3059	8.100	3121	8.100	3183	8.100	3245	8.100
2812	8.100	2874	8.100	2936	8.100	2998	8.100	3060	8.100	3122	8.100	3184	8.100	3246	8.100
2813	8.100	2875	8.100	2937	8.100	2999	8.100	3061	8.100	3123	8.100	3185	8.100	3247	8.100
2814	8.100	2876	8.100	2938	8.100	3000	8.100	3062	8.100	3124	8.100	3186	8.100	3248	8.100
2815	8.100	2877	8.100	2939	8.100	3001	8.100	3063	8.100	3125	8.100	3187	8.100	3249	8.100
2816	8.100	2878	8.100	2940	8.100	3002	8.100	3064	8.100	3126	8.100	3188	8.100	3250	8.100

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3313	8.100	3375	8.100	3437	8.100	3499	8.100	3561	8.100	3623	8.100	3685	8.100	3747	8.100
3314	8.100	3376	8.100	3438	8.100	3500	8.100	3562	8.100	3624	8.100	3686	8.100	3748	8.100
3315	8.100	3377	8.100	3439	8.100	3501	8.100	3563	8.100	3625	8.100	3687	8.100	3749	8.100
3316	8.100	3378	8.100	3440	8.100	3502	8.100	3564	8.100	3626	8.100	3688	8.100	3750	8.100
3317	8.100	3379	8.100	3441	8.100	3503	8.100	3565	8.100	3627	8.100	3689	8.100	3751	8.100
3318	8.100	3380	8.100	3442	8.100	3504	8.100	3566	8.100	3628	8.100	3690	8.100	3752	8.100
3319	8.100	3381	8.100	3443	8.100	3505	8.100	3567	8.100	3629	8.100	3691	8.100	3753	8.100
3320	8.100	3382	8.100	3444	8.100	3506	8.100	3568	8.100	3630	8.100	3692	8.100	3754	8.100
3321	8.100	3383	8.100	3445	8.100	3507	8.100	3569	8.100	3631	8.100	3693	8.100	3755	8.100
3322	8.100	3384	8.100	3446	8.100	3508	8.100	3570	8.100	3632	8.100	3694	8.100	3756	8.100
3323	8.100	3385	8.100	3447	8.100	3509	8.100	3571	8.100	3633	8.100	3695	8.100	3757	8.100
3324	8.100	3386	8.100	3448	8.100	3510	8.100	3572	8.100	3634	8.100	3696	8.100	3758	8.100
3325	8.100	3387	8.100	3449	8.100	3511	8.100	3573	8.100	3635	8.100	3697	8.100	3759	8.100
3326	8.100	3388	8.100	3450	8.100	3512	8.100	3574	8.100	3636	8.100	3698	8.100	3760	8.100
3327	8.100	3389	8.100	3451	8.100	3513	8.100	3575	8.100	3637	8.100	3699	8.100	3761	8.100
3328	8.100	3390	8.100	3452	8.100	3514	8.100	3576	8.100	3638	8.100	3700	8.100	3762	8.100
3329	8.100	3391	8.100	3453	8.100	3515	8.100	3577	8.100	3639	8.100	3701	8.100	3763	8.100
3330	8.100	3392	8.100	3454	8.100	3516	8.100	3578	8.100	3640	8.100	3702	8.100	3764	8.100
3331	8.100	3393	8.100	3455	8.100	3517	8.100	3579	8.100	3641	8.100	3703	8.100	3765	8.100
3332	8.100	3394	8.100	3456	8.100	3518	8.100	3580	8.100	3642	8.100	3704	8.100	3766	8.100
3333	8.100	3395	8.100	3457	8.100	3519	8.100	3581	8.100	3643	8.100	3705	8.100	3767	8.100
3334	8.100	3396	8.100	3458	8.100	3520	8.100	3582	8.100	3644	8.100	3706	8.100	3768	8.100
3335	8.100	3397	8.100	3459	8.100	3521	8.100	3583	8.100	3645	8.100	3707	8.100	3769	8.100
3336	8.100	3398	8.100	3460	8.100	3522	8.100	3584	8.100	3646	8.100	3708	8.100	3770	8.100
3337	8.100	3399	8.100	3461	8.100	3523	8.100	3585	8.100	3647	8.100	3709	8.100	3771	8.100
3338	8.100	3400	8.100	3462	8.100	3524	8.100	3586	8.100	3648	8.100	3710	8.100	3772	8.100
3339	8.100	3401	8.100	3463	8.100	3525	8.100	3587	8.100	3649	8.100	3711	8.100	3773	8.100
3340	8.100	3402	8.100	3464	8.100	3526	8.100	3588	8.100	3650	8.100	3712	8.100	3774	8.100
3341	8.100	3403	8.100	3465	8.100	3527	8.100	3589	8.100	3651	8.100	3713	8.100	3775	8.100
3342	8.100	3404	8.100	3466	8.100	3528	8.100	3590	8.100	3652	8.100	3714	8.100	3776	8.100
3343	8.100	3405	8.100	3467	8.100	3529	8.100	3591	8.100	3653	8.100	3715	8.100	3777	8.100
3344	8.100	3406	8.100	3468	8.100	3530	8.100	3592	8.100	3654	8.100	3716	8.100	3778	8.100
3345	8.100	3407	8.100	3469	8.100	3531	8.100	3593	8.100	3655	8.100	3717	8.100	3779	8.100
3346	8.100	3408	8.100	3470	8.100	3532	8.100	3594	8.100	3656	8.100	3718	8.100	3780	8.100
3347	8.100	3409	8.100	3471	8.100	3533	8.100	3595	8.100	3657	8.100	3719	8.100	3781	8.100
3348	8.100	3410	8.100	3472	8.100	3534	8.100	3596	8.100	3658	8.100	3720	8.100	3782	8.100
3349	8.100	3411	8.100	3473	8.100	3535	8.100	3597	8.100	3659	8.100	3721	8.100	3783	8.100
3350	8.100	3412	8.100	3474	8.100	3536	8.100	3598	8.100	3660	8.100	3722	8.100	3784	8.100
3351	8.100	3413	8.100	3475	8.100	3537	8.100	3599	8.100	3661	8.100	3723	8.100	3785	8.100
3352	8.100	3414	8.100	3476	8.100	3538	8.100	3600	8.100	3662	8.100	3724	8.100	3786	8.100
3353	8.100	3415	8.100	3477	8.100	3539	8.100	3601	8.100	3663	8.100	3725	8.100	3787	8.100
3354	8.100	3416	8.100	3478	8.100	3540	8.100	3602	8.100	3664	8.100	3726	8.100	3788	8.100
3355	8.100	3417	8.100	3479	8.100	3541	8.100	3603	8.100	3665	8.100	3727	8.100	3789	8.100
3356	8.100	3418	8.100	3480	8.100	3542	8.100	3604	8.100	3666	8.100	3728	8.100	3790	8.100
3357	8.100	3419	8.100	3481	8.100	3543	8.100	3605	8.100	3667	8.100	3729	8.100	3791	8.100
3358	8.100	3420	8.100	3482	8.100	3544	8.100	3606	8.100	3668	8.100	3730	8.100	3792	8.100
3359	8.100	3421	8.100	3483	8.100	3545	8.100	3607	8.100	3669	8.100	3731	8.100	3793	8.100
3360	8.100	3422	8.100	3484	8.100	3546	8.100	3608	8.100	3670	8.100	3732	8.100	3794	8.100
3361	8.100	3423	8.100	3485	8.100	3547	8.100	3609	8.100	3671	8.100	3733	8.100	3795	8.100
3362	8.100	3424	8.100	3486	8.100	3548	8.100	3610	8.100	3672	8.100	3734	8.100	3796	8.100
3363	8.100	3425	8.100	3487	8.100	3549	8.100	3611	8.100	3673	8.100	3735	8.100	3797	8.100
3364	8.100	3426	8.100	3488	8.100	3550	8.100	3612	8.100	3674	8.100	3736	8.100	3798	8.100
3365	8.100	3427	8.100	3489	8.100	3551	8.100	3613	8.100	3675	8.100	3737	8.100	3799	8.100
3366	8.100	3428	8.100	3490	8.100	3552	8.100	3614	8.100	3676	8.100	3738	8.100	3800	8.100
3367	8.100	3429	8.100	3491	8.100	3553	8.100	3615	8.100	3677	8.100	3739	8.100	3801	8.100
3368	8.100	3430	8.100	3492	8.100	3554	8.100	3616	8.100	3678	8.100	3740	8.100	3802	8.100
3369	8.100	3431	8.100	3493	8.100	3555	8.100	3617	8.100	3679	8.100	3741	8.100	3803	8.100
3370	8.100	3432	8.100	3494	8.100	3556	8.100	3618	8.100	3680	8.100	3742	8.100	3804	8.100
3371	8.100	3433	8.100	3495	8.100	3557	8.100	3619	8.100	3681	8.100	3743	8.100	3805	8.100
3372	8.100	3434	8.100	3496	8.100	3558	8.100	3620	8.100	3682	8.100	3744	8.100	3806	8.100
3373	8.100	3435	8.100	3497	8.100	3559	8.100	3621	8.100	3683	8.100	3745	8.100	3807	8.100
3374	8.100	3436	8.100	3498	8.100	3560	8.100	3622	8.100	3684	8.100	3746	8.100	3808	8.100

Sizewell Link road  
SLR-AB-24



Date 30/09/2021

Designed by Dan James

File SLR-AB-24 surcharged.MDX

Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3871	8.100	3933	8.100	3995	8.100	4057	8.100	4119	8.100	4181	8.100	4243	8.100	4305	8.100
3872	8.100	3934	8.100	3996	8.100	4058	8.100	4120	8.100	4182	8.100	4244	8.100	4306	8.100
3873	8.100	3935	8.100	3997	8.100	4059	8.100	4121	8.100	4183	8.100	4245	8.100	4307	8.100
3874	8.100	3936	8.100	3998	8.100	4060	8.100	4122	8.100	4184	8.100	4246	8.100	4308	8.100
3875	8.100	3937	8.100	3999	8.100	4061	8.100	4123	8.100	4185	8.100	4247	8.100	4309	8.100
3876	8.100	3938	8.100	4000	8.100	4062	8.100	4124	8.100	4186	8.100	4248	8.100	4310	8.100
3877	8.100	3939	8.100	4001	8.100	4063	8.100	4125	8.100	4187	8.100	4249	8.100	4311	8.100
3878	8.100	3940	8.100	4002	8.100	4064	8.100	4126	8.100	4188	8.100	4250	8.100	4312	8.100
3879	8.100	3941	8.100	4003	8.100	4065	8.100	4127	8.100	4189	8.100	4251	8.100	4313	8.100
3880	8.100	3942	8.100	4004	8.100	4066	8.100	4128	8.100	4190	8.100	4252	8.100	4314	8.100
3881	8.100	3943	8.100	4005	8.100	4067	8.100	4129	8.100	4191	8.100	4253	8.100	4315	8.100
3882	8.100	3944	8.100	4006	8.100	4068	8.100	4130	8.100	4192	8.100	4254	8.100	4316	8.100
3883	8.100	3945	8.100	4007	8.100	4069	8.100	4131	8.100	4193	8.100	4255	8.100	4317	8.100
3884	8.100	3946	8.100	4008	8.100	4070	8.100	4132	8.100	4194	8.100	4256	8.100	4318	8.100
3885	8.100	3947	8.100	4009	8.100	4071	8.100	4133	8.100	4195	8.100	4257	8.100	4319	8.100
3886	8.100	3948	8.100	4010	8.100	4072	8.100	4134	8.100	4196	8.100	4258	8.100	4320	8.100
3887	8.100	3949	8.100	4011	8.100	4073	8.100	4135	8.100	4197	8.100	4259	8.100	4321	8.100
3888	8.100	3950	8.100	4012	8.100	4074	8.100	4136	8.100	4198	8.100	4260	8.100	4322	8.100
3889	8.100	3951	8.100	4013	8.100	4075	8.100	4137	8.100	4199	8.100	4261	8.100	4323	8.100
3890	8.100	3952	8.100	4014	8.100	4076	8.100	4138	8.100	4200	8.100	4262	8.100	4324	8.100
3891	8.100	3953	8.100	4015	8.100	4077	8.100	4139	8.100	4201	8.100	4263	8.100	4325	8.100
3892	8.100	3954	8.100	4016	8.100	4078	8.100	4140	8.100	4202	8.100	4264	8.100	4326	8.100
3893	8.100	3955	8.100	4017	8.100	4079	8.100	4141	8.100	4203	8.100	4265	8.100	4327	8.100
3894	8.100	3956	8.100	4018	8.100	4080	8.100	4142	8.100	4204	8.100	4266	8.100	4328	8.100
3895	8.100	3957	8.100	4019	8.100	4081	8.100	4143	8.100	4205	8.100	4267	8.100	4329	8.100
3896	8.100	3958	8.100	4020	8.100	4082	8.100	4144	8.100	4206	8.100	4268	8.100	4330	8.100
3897	8.100	3959	8.100	4021	8.100	4083	8.100	4145	8.100	4207	8.100	4269	8.100	4331	8.100
3898	8.100	3960	8.100	4022	8.100	4084	8.100	4146	8.100	4208	8.100	4270	8.100	4332	8.100
3899	8.100	3961	8.100	4023	8.100	4085	8.100	4147	8.100	4209	8.100	4271	8.100	4333	8.100
3900	8.100	3962	8.100	4024	8.100	4086	8.100	4148	8.100	4210	8.100	4272	8.100	4334	8.100
3901	8.100	3963	8.100	4025	8.100	4087	8.100	4149	8.100	4211	8.100	4273	8.100	4335	8.100
3902	8.100	3964	8.100	4026	8.100	4088	8.100	4150	8.100	4212	8.100	4274	8.100	4336	8.100
3903	8.100	3965	8.100	4027	8.100	4089	8.100	4151	8.100	4213	8.100	4275	8.100	4337	8.100
3904	8.100	3966	8.100	4028	8.100	4090	8.100	4152	8.100	4214	8.100	4276	8.100	4338	8.100
3905	8.100	3967	8.100	4029	8.100	4091	8.100	4153	8.100	4215	8.100	4277	8.100	4339	8.100
3906	8.100	3968	8.100	4030	8.100	4092	8.100	4154	8.100	4216	8.100	4278	8.100	4340	8.100
3907	8.100	3969	8.100	4031	8.100	4093	8.100	4155	8.100	4217	8.100	4279	8.100	4341	8.100
3908	8.100	3970	8.100	4032	8.100	4094	8.100	4156	8.100	4218	8.100	4280	8.100	4342	8.100
3909	8.100	3971	8.100	4033	8.100	4095	8.100	4157	8.100	4219	8.100	4281	8.100	4343	8.100
3910	8.100	3972	8.100	4034	8.100	4096	8.100	4158	8.100	4220	8.100	4282	8.100	4344	8.100
3911	8.100	3973	8.100	4035	8.100	4097	8.100	4159	8.100	4221	8.100	4283	8.100	4345	8.100
3912	8.100	3974	8.100	4036	8.100	4098	8.100	4160	8.100	4222	8.100	4284	8.100	4346	8.100
3913	8.100	3975	8.100	4037	8.100	4099	8.100	4161	8.100	4223	8.100	4285	8.100	4347	8.100
3914	8.100	3976	8.100	4038	8.100	4100	8.100	4162	8.100	4224	8.100	4286	8.100	4348	8.100
3915	8.100	3977	8.100	4039	8.100	4101	8.100	4163	8.100	4225	8.100	4287	8.100	4349	8.100
3916	8.100	3978	8.100	4040	8.100	4102	8.100	4164	8.100	4226	8.100	4288	8.100	4350	8.100
3917	8.100	3979	8.100	4041	8.100	4103	8.100	4165	8.100	4227	8.100	4289	8.100	4351	8.100
3918	8.100	3980	8.100	4042	8.100	4104	8.100	4166	8.100	4228	8.100	4290	8.100	4352	8.100
3919	8.100	3981	8.100	4043	8.100	4105	8.100	4167	8.100	4229	8.100	4291	8.100	4353	8.100
3920	8.100	3982	8.100	4044	8.100	4106	8.100	4168	8.100	4230	8.100	4292	8.100	4354	8.100
3921	8.100	3983	8.100	4045	8.100	4107	8.100	4169	8.100	4231	8.100	4293	8.100	4355	8.100
3922	8.100	3984	8.100	4046	8.100	4108	8.100	4170	8.100	4232	8.100	4294	8.100	4356	8.100
3923	8.100	3985	8.100	4047	8.100	4109	8.100	4171	8.100	4233	8.100	4295	8.100	4357	8.100
3924	8.100	3986	8.100	4048	8.100	4110	8.100	4172	8.100	4234	8.100	4296	8.100	4358	8.100
3925	8.100	3987	8.100	4049	8.100	4111	8.100	4173	8.100	4235	8.100	4297	8.100	4359	8.100
3926	8.100	3988	8.100	4050	8.100	4112	8.100	4174	8.100	4236	8.100	4298	8.100	4360	8.100
3927	8.100	3989	8.100	4051	8.100	4113	8.100	4175	8.100	4237	8.100	4299	8.100	4361	8.100
3928	8.100	3990	8.100	4052	8.100	4114	8.100	4176	8.100	4238	8.100	4300	8.100	4362	8.100
3929	8.100	3991	8.100	4053	8.100	4115	8.100	4177	8.100	4239	8.100	4301	8.100	4363	8.100
3930	8.100	3992	8.100	4054	8.100	4116	8.100	4178	8.100	4240	8.100	4302	8.100	4364	8.100
3931	8.100	3993	8.100	4055	8.100	4117	8.100	4179	8.100	4241	8.100	4303	8.100	4365	8.100
3932	8.100	3994	8.100	4056	8.100	4118	8.100	4180	8.100	4242	8.100	4304	8.100	4366	8.100

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4429	8.100	4491	8.100	4553	8.100	4615	8.100	4677	8.100	4739	8.100	4801	8.100	4863	8.100
4430	8.100	4492	8.100	4554	8.100	4616	8.100	4678	8.100	4740	8.100	4802	8.100	4864	8.100
4431	8.100	4493	8.100	4555	8.100	4617	8.100	4679	8.100	4741	8.100	4803	8.100	4865	8.100
4432	8.100	4494	8.100	4556	8.100	4618	8.100	4680	8.100	4742	8.100	4804	8.100	4866	8.100
4433	8.100	4495	8.100	4557	8.100	4619	8.100	4681	8.100	4743	8.100	4805	8.100	4867	8.100
4434	8.100	4496	8.100	4558	8.100	4620	8.100	4682	8.100	4744	8.100	4806	8.100	4868	8.100
4435	8.100	4497	8.100	4559	8.100	4621	8.100	4683	8.100	4745	8.100	4807	8.100	4869	8.100
4436	8.100	4498	8.100	4560	8.100	4622	8.100	4684	8.100	4746	8.100	4808	8.100	4870	8.100
4437	8.100	4499	8.100	4561	8.100	4623	8.100	4685	8.100	4747	8.100	4809	8.100	4871	8.100
4438	8.100	4500	8.100	4562	8.100	4624	8.100	4686	8.100	4748	8.100	4810	8.100	4872	8.100
4439	8.100	4501	8.100	4563	8.100	4625	8.100	4687	8.100	4749	8.100	4811	8.100	4873	8.100
4440	8.100	4502	8.100	4564	8.100	4626	8.100	4688	8.100	4750	8.100	4812	8.100	4874	8.100
4441	8.100	4503	8.100	4565	8.100	4627	8.100	4689	8.100	4751	8.100	4813	8.100	4875	8.100
4442	8.100	4504	8.100	4566	8.100	4628	8.100	4690	8.100	4752	8.100	4814	8.100	4876	8.100
4443	8.100	4505	8.100	4567	8.100	4629	8.100	4691	8.100	4753	8.100	4815	8.100	4877	8.100
4444	8.100	4506	8.100	4568	8.100	4630	8.100	4692	8.100	4754	8.100	4816	8.100	4878	8.100
4445	8.100	4507	8.100	4569	8.100	4631	8.100	4693	8.100	4755	8.100	4817	8.100	4879	8.100
4446	8.100	4508	8.100	4570	8.100	4632	8.100	4694	8.100	4756	8.100	4818	8.100	4880	8.100
4447	8.100	4509	8.100	4571	8.100	4633	8.100	4695	8.100	4757	8.100	4819	8.100	4881	8.100
4448	8.100	4510	8.100	4572	8.100	4634	8.100	4696	8.100	4758	8.100	4820	8.100	4882	8.100
4449	8.100	4511	8.100	4573	8.100	4635	8.100	4697	8.100	4759	8.100	4821	8.100	4883	8.100
4450	8.100	4512	8.100	4574	8.100	4636	8.100	4698	8.100	4760	8.100	4822	8.100	4884	8.100
4451	8.100	4513	8.100	4575	8.100	4637	8.100	4699	8.100	4761	8.100	4823	8.100	4885	8.100
4452	8.100	4514	8.100	4576	8.100	4638	8.100	4700	8.100	4762	8.100	4824	8.100	4886	8.100
4453	8.100	4515	8.100	4577	8.100	4639	8.100	4701	8.100	4763	8.100	4825	8.100	4887	8.100
4454	8.100	4516	8.100	4578	8.100	4640	8.100	4702	8.100	4764	8.100	4826	8.100	4888	8.100
4455	8.100	4517	8.100	4579	8.100	4641	8.100	4703	8.100	4765	8.100	4827	8.100	4889	8.100
4456	8.100	4518	8.100	4580	8.100	4642	8.100	4704	8.100	4766	8.100	4828	8.100	4890	8.100
4457	8.100	4519	8.100	4581	8.100	4643	8.100	4705	8.100	4767	8.100	4829	8.100	4891	8.100
4458	8.100	4520	8.100	4582	8.100	4644	8.100	4706	8.100	4768	8.100	4830	8.100	4892	8.100
4459	8.100	4521	8.100	4583	8.100	4645	8.100	4707	8.100	4769	8.100	4831	8.100	4893	8.100
4460	8.100	4522	8.100	4584	8.100	4646	8.100	4708	8.100	4770	8.100	4832	8.100	4894	8.100
4461	8.100	4523	8.100	4585	8.100	4647	8.100	4709	8.100	4771	8.100	4833	8.100	4895	8.100
4462	8.100	4524	8.100	4586	8.100	4648	8.100	4710	8.100	4772	8.100	4834	8.100	4896	8.100
4463	8.100	4525	8.100	4587	8.100	4649	8.100	4711	8.100	4773	8.100	4835	8.100	4897	8.100
4464	8.100	4526	8.100	4588	8.100	4650	8.100	4712	8.100	4774	8.100	4836	8.100	4898	8.100
4465	8.100	4527	8.100	4589	8.100	4651	8.100	4713	8.100	4775	8.100	4837	8.100	4899	8.100
4466	8.100	4528	8.100	4590	8.100	4652	8.100	4714	8.100	4776	8.100	4838	8.100	4900	8.100
4467	8.100	4529	8.100	4591	8.100	4653	8.100	4715	8.100	4777	8.100	4839	8.100	4901	8.100
4468	8.100	4530	8.100	4592	8.100	4654	8.100	4716	8.100	4778	8.100	4840	8.100	4902	8.100
4469	8.100	4531	8.100	4593	8.100	4655	8.100	4717	8.100	4779	8.100	4841	8.100	4903	8.100
4470	8.100	4532	8.100	4594	8.100	4656	8.100	4718	8.100	4780	8.100	4842	8.100	4904	8.100
4471	8.100	4533	8.100	4595	8.100	4657	8.100	4719	8.100	4781	8.100	4843	8.100	4905	8.100
4472	8.100	4534	8.100	4596	8.100	4658	8.100	4720	8.100	4782	8.100	4844	8.100	4906	8.100
4473	8.100	4535	8.100	4597	8.100	4659	8.100	4721	8.100	4783	8.100	4845	8.100	4907	8.100
4474	8.100	4536	8.100	4598	8.100	4660	8.100	4722	8.100	4784	8.100	4846	8.100	4908	8.100
4475	8.100	4537	8.100	4599	8.100	4661	8.100	4723	8.100	4785	8.100	4847	8.100	4909	8.100
4476	8.100	4538	8.100	4600	8.100	4662	8.100	4724	8.100	4786	8.100	4848	8.100	4910	8.100
4477	8.100	4539	8.100	4601	8.100	4663	8.100	4725	8.100	4787	8.100	4849	8.100	4911	8.100
4478	8.100	4540	8.100	4602	8.100	4664	8.100	4726	8.100	4788	8.100	4850	8.100	4912	8.100
4479	8.100	4541	8.100	4603	8.100	4665	8.100	4727	8.100	4789	8.100	4851	8.100	4913	8.100
4480	8.100	4542	8.100	4604	8.100	4666	8.100	4728	8.100	4790	8.100	4852	8.100	4914	8.100
4481	8.100	4543	8.100	4605	8.100	4667	8.100	4729	8.100	4791	8.100	4853	8.100	4915	8.100
4482	8.100	4544	8.100	4606	8.100	4668	8.100	4730	8.100	4792	8.100	4854	8.100	4916	8.100
4483	8.100	4545	8.100	4607	8.100	4669	8.100	4731	8.100	4793	8.100	4855	8.100	4917	8.100
4484	8.100	4546	8.100	4608	8.100	4670	8.100	4732	8.100	4794	8.100	4856	8.100	4918	8.100
4485	8.100	4547	8.100	4609	8.100	4671	8.100	4733	8.100	4795	8.100	4857	8.100	4919	8.100
4486	8.100	4548	8.100	4610	8.100	4672	8.100	4734	8.100	4796	8.100	4858	8.100	4920	8.100
4487	8.100	4549	8.100	4611	8.100	4673	8.100	4735	8.100	4797	8.100	4859	8.100	4921	8.100
4488	8.100	4550	8.100	4612	8.100	4674	8.100	4736	8.100	4798	8.100	4860	8.100	4922	8.100
4489	8.100	4551	8.100	4613	8.100	4675	8.100	4737	8.100	4799	8.100	4861	8.100	4923	8.100
4490	8.100	4552	8.100	4614	8.100	4676	8.100	4738	8.100	4800	8.100	4862	8.100	4924	8.100



Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4987	8.100	5049	8.100	5111	8.100	5173	8.100	5235	8.100	5297	8.100	5359	8.100	5421	8.100
4988	8.100	5050	8.100	5112	8.100	5174	8.100	5236	8.100	5298	8.100	5360	8.100	5422	8.100
4989	8.100	5051	8.100	5113	8.100	5175	8.100	5237	8.100	5299	8.100	5361	8.100	5423	8.100
4990	8.100	5052	8.100	5114	8.100	5176	8.100	5238	8.100	5300	8.100	5362	8.100	5424	8.100
4991	8.100	5053	8.100	5115	8.100	5177	8.100	5239	8.100	5301	8.100	5363	8.100	5425	8.100
4992	8.100	5054	8.100	5116	8.100	5178	8.100	5240	8.100	5302	8.100	5364	8.100	5426	8.100
4993	8.100	5055	8.100	5117	8.100	5179	8.100	5241	8.100	5303	8.100	5365	8.100	5427	8.100
4994	8.100	5056	8.100	5118	8.100	5180	8.100	5242	8.100	5304	8.100	5366	8.100	5428	8.100
4995	8.100	5057	8.100	5119	8.100	5181	8.100	5243	8.100	5305	8.100	5367	8.100	5429	8.100
4996	8.100	5058	8.100	5120	8.100	5182	8.100	5244	8.100	5306	8.100	5368	8.100	5430	8.100
4997	8.100	5059	8.100	5121	8.100	5183	8.100	5245	8.100	5307	8.100	5369	8.100	5431	8.100
4998	8.100	5060	8.100	5122	8.100	5184	8.100	5246	8.100	5308	8.100	5370	8.100	5432	8.100
4999	8.100	5061	8.100	5123	8.100	5185	8.100	5247	8.100	5309	8.100	5371	8.100	5433	8.100
5000	8.100	5062	8.100	5124	8.100	5186	8.100	5248	8.100	5310	8.100	5372	8.100	5434	8.100
5001	8.100	5063	8.100	5125	8.100	5187	8.100	5249	8.100	5311	8.100	5373	8.100	5435	8.100
5002	8.100	5064	8.100	5126	8.100	5188	8.100	5250	8.100	5312	8.100	5374	8.100	5436	8.100
5003	8.100	5065	8.100	5127	8.100	5189	8.100	5251	8.100	5313	8.100	5375	8.100	5437	8.100
5004	8.100	5066	8.100	5128	8.100	5190	8.100	5252	8.100	5314	8.100	5376	8.100	5438	8.100
5005	8.100	5067	8.100	5129	8.100	5191	8.100	5253	8.100	5315	8.100	5377	8.100	5439	8.100
5006	8.100	5068	8.100	5130	8.100	5192	8.100	5254	8.100	5316	8.100	5378	8.100	5440	8.100
5007	8.100	5069	8.100	5131	8.100	5193	8.100	5255	8.100	5317	8.100	5379	8.100	5441	8.100
5008	8.100	5070	8.100	5132	8.100	5194	8.100	5256	8.100	5318	8.100	5380	8.100	5442	8.100
5009	8.100	5071	8.100	5133	8.100	5195	8.100	5257	8.100	5319	8.100	5381	8.100	5443	8.100
5010	8.100	5072	8.100	5134	8.100	5196	8.100	5258	8.100	5320	8.100	5382	8.100	5444	8.100
5011	8.100	5073	8.100	5135	8.100	5197	8.100	5259	8.100	5321	8.100	5383	8.100	5445	8.100
5012	8.100	5074	8.100	5136	8.100	5198	8.100	5260	8.100	5322	8.100	5384	8.100	5446	8.100
5013	8.100	5075	8.100	5137	8.100	5199	8.100	5261	8.100	5323	8.100	5385	8.100	5447	8.100
5014	8.100	5076	8.100	5138	8.100	5200	8.100	5262	8.100	5324	8.100	5386	8.100	5448	8.100
5015	8.100	5077	8.100	5139	8.100	5201	8.100	5263	8.100	5325	8.100	5387	8.100	5449	8.100
5016	8.100	5078	8.100	5140	8.100	5202	8.100	5264	8.100	5326	8.100	5388	8.100	5450	8.100
5017	8.100	5079	8.100	5141	8.100	5203	8.100	5265	8.100	5327	8.100	5389	8.100	5451	8.100
5018	8.100	5080	8.100	5142	8.100	5204	8.100	5266	8.100	5328	8.100	5390	8.100	5452	8.100
5019	8.100	5081	8.100	5143	8.100	5205	8.100	5267	8.100	5329	8.100	5391	8.100	5453	8.100
5020	8.100	5082	8.100	5144	8.100	5206	8.100	5268	8.100	5330	8.100	5392	8.100	5454	8.100
5021	8.100	5083	8.100	5145	8.100	5207	8.100	5269	8.100	5331	8.100	5393	8.100	5455	8.100
5022	8.100	5084	8.100	5146	8.100	5208	8.100	5270	8.100	5332	8.100	5394	8.100	5456	8.100
5023	8.100	5085	8.100	5147	8.100	5209	8.100	5271	8.100	5333	8.100	5395	8.100	5457	8.100
5024	8.100	5086	8.100	5148	8.100	5210	8.100	5272	8.100	5334	8.100	5396	8.100	5458	8.100
5025	8.100	5087	8.100	5149	8.100	5211	8.100	5273	8.100	5335	8.100	5397	8.100	5459	8.100
5026	8.100	5088	8.100	5150	8.100	5212	8.100	5274	8.100	5336	8.100	5398	8.100	5460	8.100
5027	8.100	5089	8.100	5151	8.100	5213	8.100	5275	8.100	5337	8.100	5399	8.100	5461	8.100
5028	8.100	5090	8.100	5152	8.100	5214	8.100	5276	8.100	5338	8.100	5400	8.100	5462	8.100
5029	8.100	5091	8.100	5153	8.100	5215	8.100	5277	8.100	5339	8.100	5401	8.100	5463	8.100
5030	8.100	5092	8.100	5154	8.100	5216	8.100	5278	8.100	5340	8.100	5402	8.100	5464	8.100
5031	8.100	5093	8.100	5155	8.100	5217	8.100	5279	8.100	5341	8.100	5403	8.100	5465	8.100
5032	8.100	5094	8.100	5156	8.100	5218	8.100	5280	8.100	5342	8.100	5404	8.100	5466	8.100
5033	8.100	5095	8.100	5157	8.100	5219	8.100	5281	8.100	5343	8.100	5405	8.100	5467	8.100
5034	8.100	5096	8.100	5158	8.100	5220	8.100	5282	8.100	5344	8.100	5406	8.100	5468	8.100
5035	8.100	5097	8.100	5159	8.100	5221	8.100	5283	8.100	5345	8.100	5407	8.100	5469	8.100
5036	8.100	5098	8.100	5160	8.100	5222	8.100	5284	8.100	5346	8.100	5408	8.100	5470	8.100
5037	8.100	5099	8.100	5161	8.100	5223	8.100	5285	8.100	5347	8.100	5409	8.100	5471	8.100
5038	8.100	5100	8.100	5162	8.100	5224	8.100	5286	8.100	5348	8.100	5410	8.100	5472	8.100
5039	8.100	5101	8.100	5163	8.100	5225	8.100	5287	8.100	5349	8.100	5411	8.100	5473	8.100
5040	8.100	5102	8.100	5164	8.100	5226	8.100	5288	8.100	5350	8.100	5412	8.100	5474	8.100
5041	8.100	5103	8.100	5165	8.100	5227	8.100	5289	8.100	5351	8.100	5413	8.100	5475	8.100
5042	8.100	5104	8.100	5166	8.100	5228	8.100	5290	8.100	5352	8.100	5414	8.100	5476	8.100
5043	8.100	5105	8.100	5167	8.100	5229	8.100	5291	8.100	5353	8.100	5415	8.100	5477	8.100
5044	8.100	5106	8.100	5168	8.100	5230	8.100	5292	8.100	5354	8.100	5416	8.100	5478	8.100
5045	8.100	5107	8.100	5169	8.100	5231	8.100	5293	8.100	5355	8.100	5417	8.100	5479	8.100
5046	8.100	5108	8.100	5170	8.100	5232	8.100	5294	8.100	5356	8.100	5418	8.100	5480	8.100
5047	8.100	5109	8.100	5171	8.100	5233	8.100	5295	8.100	5357	8.100	5419	8.100	5481	8.100
5048	8.100	5110	8.100	5172	8.100	5234	8.100	5296	8.100	5358	8.100	5420	8.100	5482	8.100



Sizewell Link road  
SLR-AB-24



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Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5545	8.100	5607	8.100	5669	8.100	5731	8.100	5793	8.100	5855	8.100	5917	8.100	5979	8.100
5546	8.100	5608	8.100	5670	8.100	5732	8.100	5794	8.100	5856	8.100	5918	8.100	5980	8.100
5547	8.100	5609	8.100	5671	8.100	5733	8.100	5795	8.100	5857	8.100	5919	8.100	5981	8.100
5548	8.100	5610	8.100	5672	8.100	5734	8.100	5796	8.100	5858	8.100	5920	8.100	5982	8.100
5549	8.100	5611	8.100	5673	8.100	5735	8.100	5797	8.100	5859	8.100	5921	8.100	5983	8.100
5550	8.100	5612	8.100	5674	8.100	5736	8.100	5798	8.100	5860	8.100	5922	8.100	5984	8.100
5551	8.100	5613	8.100	5675	8.100	5737	8.100	5799	8.100	5861	8.100	5923	8.100	5985	8.100
5552	8.100	5614	8.100	5676	8.100	5738	8.100	5800	8.100	5862	8.100	5924	8.100	5986	8.100
5553	8.100	5615	8.100	5677	8.100	5739	8.100	5801	8.100	5863	8.100	5925	8.100	5987	8.100
5554	8.100	5616	8.100	5678	8.100	5740	8.100	5802	8.100	5864	8.100	5926	8.100	5988	8.100
5555	8.100	5617	8.100	5679	8.100	5741	8.100	5803	8.100	5865	8.100	5927	8.100	5989	8.100
5556	8.100	5618	8.100	5680	8.100	5742	8.100	5804	8.100	5866	8.100	5928	8.100	5990	8.100
5557	8.100	5619	8.100	5681	8.100	5743	8.100	5805	8.100	5867	8.100	5929	8.100	5991	8.100
5558	8.100	5620	8.100	5682	8.100	5744	8.100	5806	8.100	5868	8.100	5930	8.100	5992	8.100
5559	8.100	5621	8.100	5683	8.100	5745	8.100	5807	8.100	5869	8.100	5931	8.100	5993	8.100
5560	8.100	5622	8.100	5684	8.100	5746	8.100	5808	8.100	5870	8.100	5932	8.100	5994	8.100
5561	8.100	5623	8.100	5685	8.100	5747	8.100	5809	8.100	5871	8.100	5933	8.100	5995	8.100
5562	8.100	5624	8.100	5686	8.100	5748	8.100	5810	8.100	5872	8.100	5934	8.100	5996	8.100
5563	8.100	5625	8.100	5687	8.100	5749	8.100	5811	8.100	5873	8.100	5935	8.100	5997	8.100
5564	8.100	5626	8.100	5688	8.100	5750	8.100	5812	8.100	5874	8.100	5936	8.100	5998	8.100
5565	8.100	5627	8.100	5689	8.100	5751	8.100	5813	8.100	5875	8.100	5937	8.100	5999	8.100
5566	8.100	5628	8.100	5690	8.100	5752	8.100	5814	8.100	5876	8.100	5938	8.100	6000	8.100
5567	8.100	5629	8.100	5691	8.100	5753	8.100	5815	8.100	5877	8.100	5939	8.100	6001	8.100
5568	8.100	5630	8.100	5692	8.100	5754	8.100	5816	8.100	5878	8.100	5940	8.100	6002	8.100
5569	8.100	5631	8.100	5693	8.100	5755	8.100	5817	8.100	5879	8.100	5941	8.100	6003	8.100
5570	8.100	5632	8.100	5694	8.100	5756	8.100	5818	8.100	5880	8.100	5942	8.100	6004	8.100
5571	8.100	5633	8.100	5695	8.100	5757	8.100	5819	8.100	5881	8.100	5943	8.100	6005	8.100
5572	8.100	5634	8.100	5696	8.100	5758	8.100	5820	8.100	5882	8.100	5944	8.100	6006	8.100
5573	8.100	5635	8.100	5697	8.100	5759	8.100	5821	8.100	5883	8.100	5945	8.100	6007	8.100
5574	8.100	5636	8.100	5698	8.100	5760	8.100	5822	8.100	5884	8.100	5946	8.100	6008	8.100
5575	8.100	5637	8.100	5699	8.100	5761	8.100	5823	8.100	5885	8.100	5947	8.100	6009	8.100
5576	8.100	5638	8.100	5700	8.100	5762	8.100	5824	8.100	5886	8.100	5948	8.100	6010	8.100
5577	8.100	5639	8.100	5701	8.100	5763	8.100	5825	8.100	5887	8.100	5949	8.100	6011	8.100
5578	8.100	5640	8.100	5702	8.100	5764	8.100	5826	8.100	5888	8.100	5950	8.100	6012	8.100
5579	8.100	5641	8.100	5703	8.100	5765	8.100	5827	8.100	5889	8.100	5951	8.100	6013	8.100
5580	8.100	5642	8.100	5704	8.100	5766	8.100	5828	8.100	5890	8.100	5952	8.100	6014	8.100
5581	8.100	5643	8.100	5705	8.100	5767	8.100	5829	8.100	5891	8.100	5953	8.100	6015	8.100
5582	8.100	5644	8.100	5706	8.100	5768	8.100	5830	8.100	5892	8.100	5954	8.100	6016	8.100
5583	8.100	5645	8.100	5707	8.100	5769	8.100	5831	8.100	5893	8.100	5955	8.100	6017	8.100
5584	8.100	5646	8.100	5708	8.100	5770	8.100	5832	8.100	5894	8.100	5956	8.100	6018	8.100
5585	8.100	5647	8.100	5709	8.100	5771	8.100	5833	8.100	5895	8.100	5957	8.100	6019	8.100
5586	8.100	5648	8.100	5710	8.100	5772	8.100	5834	8.100	5896	8.100	5958	8.100	6020	8.100
5587	8.100	5649	8.100	5711	8.100	5773	8.100	5835	8.100	5897	8.100	5959	8.100	6021	8.100
5588	8.100	5650	8.100	5712	8.100	5774	8.100	5836	8.100	5898	8.100	5960	8.100	6022	8.100
5589	8.100	5651	8.100	5713	8.100	5775	8.100	5837	8.100	5899	8.100	5961	8.100	6023	8.100
5590	8.100	5652	8.100	5714	8.100	5776	8.100	5838	8.100	5900	8.100	5962	8.100	6024	8.100
5591	8.100	5653	8.100	5715	8.100	5777	8.100	5839	8.100	5901	8.100	5963	8.100	6025	8.100
5592	8.100	5654	8.100	5716	8.100	5778	8.100	5840	8.100	5902	8.100	5964	8.100	6026	8.100
5593	8.100	5655	8.100	5717	8.100	5779	8.100	5841	8.100	5903	8.100	5965	8.100	6027	8.100
5594	8.100	5656	8.100	5718	8.100	5780	8.100	5842	8.100	5904	8.100	5966	8.100	6028	8.100
5595	8.100	5657	8.100	5719	8.100	5781	8.100	5843	8.100	5905	8.100	5967	8.100	6029	8.100
5596	8.100	5658	8.100	5720	8.100	5782	8.100	5844	8.100	5906	8.100	5968	8.100	6030	8.100
5597	8.100	5659	8.100	5721	8.100	5783	8.100	5845	8.100	5907	8.100	5969	8.100	6031	8.100
5598	8.100	5660	8.100	5722	8.100	5784	8.100	5846	8.100	5908	8.100	5970	8.100	6032	8.100
5599	8.100	5661	8.100	5723	8.100	5785	8.100	5847	8.100	5909	8.100	5971	8.100	6033	8.100
5600	8.100	5662	8.100	5724	8.100	5786	8.100	5848	8.100	5910	8.100	5972	8.100	6034	8.100
5601	8.100	5663	8.100	5725	8.100	5787	8.100	5849	8.100	5911	8.100	5973	8.100	6035	8.100
5602	8.100	5664	8.100	5726	8.100	5788	8.100	5850	8.100	5912	8.100	5974	8.100	6036	8.100
5603	8.100	5665	8.100	5727	8.100	5789	8.100	5851	8.100	5913	8.100	5975	8.100	6037	8.100
5604	8.100	5666	8.100	5728	8.100	5790	8.100	5852	8.100	5914	8.100	5976	8.100	6038	8.100
5605	8.100	5667	8.100	5729	8.100	5791	8.100	5853	8.100	5915	8.100	5977	8.100	6039	8.100
5606	8.100	5668	8.100	5730	8.100	5792	8.100	5854	8.100	5916	8.100	5978	8.100	6040	8.100

Sizewell Link road  
SLR-AB-24



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Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6103	8.100	6165	8.100	6227	8.100	6289	8.100	6351	8.100	6413	8.100	6475	8.100	6537	8.100
6104	8.100	6166	8.100	6228	8.100	6290	8.100	6352	8.100	6414	8.100	6476	8.100	6538	8.100
6105	8.100	6167	8.100	6229	8.100	6291	8.100	6353	8.100	6415	8.100	6477	8.100	6539	8.100
6106	8.100	6168	8.100	6230	8.100	6292	8.100	6354	8.100	6416	8.100	6478	8.100	6540	8.100
6107	8.100	6169	8.100	6231	8.100	6293	8.100	6355	8.100	6417	8.100	6479	8.100	6541	8.100
6108	8.100	6170	8.100	6232	8.100	6294	8.100	6356	8.100	6418	8.100	6480	8.100	6542	8.100
6109	8.100	6171	8.100	6233	8.100	6295	8.100	6357	8.100	6419	8.100	6481	8.100	6543	8.100
6110	8.100	6172	8.100	6234	8.100	6296	8.100	6358	8.100	6420	8.100	6482	8.100	6544	8.100
6111	8.100	6173	8.100	6235	8.100	6297	8.100	6359	8.100	6421	8.100	6483	8.100	6545	8.100
6112	8.100	6174	8.100	6236	8.100	6298	8.100	6360	8.100	6422	8.100	6484	8.100	6546	8.100
6113	8.100	6175	8.100	6237	8.100	6299	8.100	6361	8.100	6423	8.100	6485	8.100	6547	8.100
6114	8.100	6176	8.100	6238	8.100	6300	8.100	6362	8.100	6424	8.100	6486	8.100	6548	8.100
6115	8.100	6177	8.100	6239	8.100	6301	8.100	6363	8.100	6425	8.100	6487	8.100	6549	8.100
6116	8.100	6178	8.100	6240	8.100	6302	8.100	6364	8.100	6426	8.100	6488	8.100	6550	8.100
6117	8.100	6179	8.100	6241	8.100	6303	8.100	6365	8.100	6427	8.100	6489	8.100	6551	8.100
6118	8.100	6180	8.100	6242	8.100	6304	8.100	6366	8.100	6428	8.100	6490	8.100	6552	8.100
6119	8.100	6181	8.100	6243	8.100	6305	8.100	6367	8.100	6429	8.100	6491	8.100	6553	8.100
6120	8.100	6182	8.100	6244	8.100	6306	8.100	6368	8.100	6430	8.100	6492	8.100	6554	8.100
6121	8.100	6183	8.100	6245	8.100	6307	8.100	6369	8.100	6431	8.100	6493	8.100	6555	8.100
6122	8.100	6184	8.100	6246	8.100	6308	8.100	6370	8.100	6432	8.100	6494	8.100	6556	8.100
6123	8.100	6185	8.100	6247	8.100	6309	8.100	6371	8.100	6433	8.100	6495	8.100	6557	8.100
6124	8.100	6186	8.100	6248	8.100	6310	8.100	6372	8.100	6434	8.100	6496	8.100	6558	8.100
6125	8.100	6187	8.100	6249	8.100	6311	8.100	6373	8.100	6435	8.100	6497	8.100	6559	8.100
6126	8.100	6188	8.100	6250	8.100	6312	8.100	6374	8.100	6436	8.100	6498	8.100	6560	8.100
6127	8.100	6189	8.100	6251	8.100	6313	8.100	6375	8.100	6437	8.100	6499	8.100	6561	8.100
6128	8.100	6190	8.100	6252	8.100	6314	8.100	6376	8.100	6438	8.100	6500	8.100	6562	8.100
6129	8.100	6191	8.100	6253	8.100	6315	8.100	6377	8.100	6439	8.100	6501	8.100	6563	8.100
6130	8.100	6192	8.100	6254	8.100	6316	8.100	6378	8.100	6440	8.100	6502	8.100	6564	8.100
6131	8.100	6193	8.100	6255	8.100	6317	8.100	6379	8.100	6441	8.100	6503	8.100	6565	8.100
6132	8.100	6194	8.100	6256	8.100	6318	8.100	6380	8.100	6442	8.100	6504	8.100	6566	8.100
6133	8.100	6195	8.100	6257	8.100	6319	8.100	6381	8.100	6443	8.100	6505	8.100	6567	8.100
6134	8.100	6196	8.100	6258	8.100	6320	8.100	6382	8.100	6444	8.100	6506	8.100	6568	8.100
6135	8.100	6197	8.100	6259	8.100	6321	8.100	6383	8.100	6445	8.100	6507	8.100	6569	8.100
6136	8.100	6198	8.100	6260	8.100	6322	8.100	6384	8.100	6446	8.100	6508	8.100	6570	8.100
6137	8.100	6199	8.100	6261	8.100	6323	8.100	6385	8.100	6447	8.100	6509	8.100	6571	8.100
6138	8.100	6200	8.100	6262	8.100	6324	8.100	6386	8.100	6448	8.100	6510	8.100	6572	8.100
6139	8.100	6201	8.100	6263	8.100	6325	8.100	6387	8.100	6449	8.100	6511	8.100	6573	8.100
6140	8.100	6202	8.100	6264	8.100	6326	8.100	6388	8.100	6450	8.100	6512	8.100	6574	8.100
6141	8.100	6203	8.100	6265	8.100	6327	8.100	6389	8.100	6451	8.100	6513	8.100	6575	8.100
6142	8.100	6204	8.100	6266	8.100	6328	8.100	6390	8.100	6452	8.100	6514	8.100	6576	8.100
6143	8.100	6205	8.100	6267	8.100	6329	8.100	6391	8.100	6453	8.100	6515	8.100	6577	8.100
6144	8.100	6206	8.100	6268	8.100	6330	8.100	6392	8.100	6454	8.100	6516	8.100	6578	8.100
6145	8.100	6207	8.100	6269	8.100	6331	8.100	6393	8.100	6455	8.100	6517	8.100	6579	8.100
6146	8.100	6208	8.100	6270	8.100	6332	8.100	6394	8.100	6456	8.100	6518	8.100	6580	8.100
6147	8.100	6209	8.100	6271	8.100	6333	8.100	6395	8.100	6457	8.100	6519	8.100	6581	8.100
6148	8.100	6210	8.100	6272	8.100	6334	8.100	6396	8.100	6458	8.100	6520	8.100	6582	8.100
6149	8.100	6211	8.100	6273	8.100	6335	8.100	6397	8.100	6459	8.100	6521	8.100	6583	8.100
6150	8.100	6212	8.100	6274	8.100	6336	8.100	6398	8.100	6460	8.100	6522	8.100	6584	8.100
6151	8.100	6213	8.100	6275	8.100	6337	8.100	6399	8.100	6461	8.100	6523	8.100	6585	8.100
6152	8.100	6214	8.100	6276	8.100	6338	8.100	6400	8.100	6462	8.100	6524	8.100	6586	8.100
6153	8.100	6215	8.100	6277	8.100	6339	8.100	6401	8.100	6463	8.100	6525	8.100	6587	8.100
6154	8.100	6216	8.100	6278	8.100	6340	8.100	6402	8.100	6464	8.100	6526	8.100	6588	8.100
6155	8.100	6217	8.100	6279	8.100	6341	8.100	6403	8.100	6465	8.100	6527	8.100	6589	8.100
6156	8.100	6218	8.100	6280	8.100	6342	8.100	6404	8.100	6466	8.100	6528	8.100	6590	8.100
6157	8.100	6219	8.100	6281	8.100	6343	8.100	6405	8.100	6467	8.100	6529	8.100	6591	8.100
6158	8.100	6220	8.100	6282	8.100	6344	8.100	6406	8.100	6468	8.100	6530	8.100	6592	8.100
6159	8.100	6221	8.100	6283	8.100	6345	8.100	6407	8.100	6469	8.100	6531	8.100	6593	8.100
6160	8.100	6222	8.100	6284	8.100	6346	8.100	6408	8.100	6470	8.100	6532	8.100	6594	8.100
6161	8.100	6223	8.100	6285	8.100	6347	8.100	6409	8.100	6471	8.100	6533	8.100	6595	8.100
6162	8.100	6224	8.100	6286	8.100	6348	8.100	6410	8.100	6472	8.100	6534	8.100	6596	8.100
6163	8.100	6225	8.100	6287	8.100	6349	8.100	6411	8.100	6473	8.100	6535	8.100	6597	8.100
6164	8.100	6226	8.100	6288	8.100	6350	8.100	6412	8.100	6474	8.100	6536	8.100	6598	8.100

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6661	8.100	6723	8.100	6785	8.100	6847	8.100	6909	8.100	6971	8.100	7033	8.100	7095	8.100
6662	8.100	6724	8.100	6786	8.100	6848	8.100	6910	8.100	6972	8.100	7034	8.100	7096	8.100
6663	8.100	6725	8.100	6787	8.100	6849	8.100	6911	8.100	6973	8.100	7035	8.100	7097	8.100
6664	8.100	6726	8.100	6788	8.100	6850	8.100	6912	8.100	6974	8.100	7036	8.100	7098	8.100
6665	8.100	6727	8.100	6789	8.100	6851	8.100	6913	8.100	6975	8.100	7037	8.100	7099	8.100
6666	8.100	6728	8.100	6790	8.100	6852	8.100	6914	8.100	6976	8.100	7038	8.100	7100	8.100
6667	8.100	6729	8.100	6791	8.100	6853	8.100	6915	8.100	6977	8.100	7039	8.100	7101	8.100
6668	8.100	6730	8.100	6792	8.100	6854	8.100	6916	8.100	6978	8.100	7040	8.100	7102	8.100
6669	8.100	6731	8.100	6793	8.100	6855	8.100	6917	8.100	6979	8.100	7041	8.100	7103	8.100
6670	8.100	6732	8.100	6794	8.100	6856	8.100	6918	8.100	6980	8.100	7042	8.100	7104	8.100
6671	8.100	6733	8.100	6795	8.100	6857	8.100	6919	8.100	6981	8.100	7043	8.100	7105	8.100
6672	8.100	6734	8.100	6796	8.100	6858	8.100	6920	8.100	6982	8.100	7044	8.100	7106	8.100
6673	8.100	6735	8.100	6797	8.100	6859	8.100	6921	8.100	6983	8.100	7045	8.100	7107	8.100
6674	8.100	6736	8.100	6798	8.100	6860	8.100	6922	8.100	6984	8.100	7046	8.100	7108	8.100
6675	8.100	6737	8.100	6799	8.100	6861	8.100	6923	8.100	6985	8.100	7047	8.100	7109	8.100
6676	8.100	6738	8.100	6800	8.100	6862	8.100	6924	8.100	6986	8.100	7048	8.100	7110	8.100
6677	8.100	6739	8.100	6801	8.100	6863	8.100	6925	8.100	6987	8.100	7049	8.100	7111	8.100
6678	8.100	6740	8.100	6802	8.100	6864	8.100	6926	8.100	6988	8.100	7050	8.100	7112	8.100
6679	8.100	6741	8.100	6803	8.100	6865	8.100	6927	8.100	6989	8.100	7051	8.100	7113	8.100
6680	8.100	6742	8.100	6804	8.100	6866	8.100	6928	8.100	6990	8.100	7052	8.100	7114	8.100
6681	8.100	6743	8.100	6805	8.100	6867	8.100	6929	8.100	6991	8.100	7053	8.100	7115	8.100
6682	8.100	6744	8.100	6806	8.100	6868	8.100	6930	8.100	6992	8.100	7054	8.100	7116	8.100
6683	8.100	6745	8.100	6807	8.100	6869	8.100	6931	8.100	6993	8.100	7055	8.100	7117	8.100
6684	8.100	6746	8.100	6808	8.100	6870	8.100	6932	8.100	6994	8.100	7056	8.100	7118	8.100
6685	8.100	6747	8.100	6809	8.100	6871	8.100	6933	8.100	6995	8.100	7057	8.100	7119	8.100
6686	8.100	6748	8.100	6810	8.100	6872	8.100	6934	8.100	6996	8.100	7058	8.100	7120	8.100
6687	8.100	6749	8.100	6811	8.100	6873	8.100	6935	8.100	6997	8.100	7059	8.100	7121	8.100
6688	8.100	6750	8.100	6812	8.100	6874	8.100	6936	8.100	6998	8.100	7060	8.100	7122	8.100
6689	8.100	6751	8.100	6813	8.100	6875	8.100	6937	8.100	6999	8.100	7061	8.100	7123	8.100
6690	8.100	6752	8.100	6814	8.100	6876	8.100	6938	8.100	7000	8.100	7062	8.100	7124	8.100
6691	8.100	6753	8.100	6815	8.100	6877	8.100	6939	8.100	7001	8.100	7063	8.100	7125	8.100
6692	8.100	6754	8.100	6816	8.100	6878	8.100	6940	8.100	7002	8.100	7064	8.100	7126	8.100
6693	8.100	6755	8.100	6817	8.100	6879	8.100	6941	8.100	7003	8.100	7065	8.100	7127	8.100
6694	8.100	6756	8.100	6818	8.100	6880	8.100	6942	8.100	7004	8.100	7066	8.100	7128	8.100
6695	8.100	6757	8.100	6819	8.100	6881	8.100	6943	8.100	7005	8.100	7067	8.100	7129	8.100
6696	8.100	6758	8.100	6820	8.100	6882	8.100	6944	8.100	7006	8.100	7068	8.100	7130	8.100
6697	8.100	6759	8.100	6821	8.100	6883	8.100	6945	8.100	7007	8.100	7069	8.100	7131	8.100
6698	8.100	6760	8.100	6822	8.100	6884	8.100	6946	8.100	7008	8.100	7070	8.100	7132	8.100
6699	8.100	6761	8.100	6823	8.100	6885	8.100	6947	8.100	7009	8.100	7071	8.100	7133	8.100
6700	8.100	6762	8.100	6824	8.100	6886	8.100	6948	8.100	7010	8.100	7072	8.100	7134	8.100
6701	8.100	6763	8.100	6825	8.100	6887	8.100	6949	8.100	7011	8.100	7073	8.100	7135	8.100
6702	8.100	6764	8.100	6826	8.100	6888	8.100	6950	8.100	7012	8.100	7074	8.100	7136	8.100
6703	8.100	6765	8.100	6827	8.100	6889	8.100	6951	8.100	7013	8.100	7075	8.100	7137	8.100
6704	8.100	6766	8.100	6828	8.100	6890	8.100	6952	8.100	7014	8.100	7076	8.100	7138	8.100
6705	8.100	6767	8.100	6829	8.100	6891	8.100	6953	8.100	7015	8.100	7077	8.100	7139	8.100
6706	8.100	6768	8.100	6830	8.100	6892	8.100	6954	8.100	7016	8.100	7078	8.100	7140	8.100
6707	8.100	6769	8.100	6831	8.100	6893	8.100	6955	8.100	7017	8.100	7079	8.100	7141	8.100
6708	8.100	6770	8.100	6832	8.100	6894	8.100	6956	8.100	7018	8.100	7080	8.100	7142	8.100
6709	8.100	6771	8.100	6833	8.100	6895	8.100	6957	8.100	7019	8.100	7081	8.100	7143	8.100
6710	8.100	6772	8.100	6834	8.100	6896	8.100	6958	8.100	7020	8.100	7082	8.100	7144	8.100
6711	8.100	6773	8.100	6835	8.100	6897	8.100	6959	8.100	7021	8.100	7083	8.100	7145	8.100
6712	8.100	6774	8.100	6836	8.100	6898	8.100	6960	8.100	7022	8.100	7084	8.100	7146	8.100
6713	8.100	6775	8.100	6837	8.100	6899	8.100	6961	8.100	7023	8.100	7085	8.100	7147	8.100
6714	8.100	6776	8.100	6838	8.100	6900	8.100	6962	8.100	7024	8.100	7086	8.100	7148	8.100
6715	8.100	6777	8.100	6839	8.100	6901	8.100	6963	8.100	7025	8.100	7087	8.100	7149	8.100
6716	8.100	6778	8.100	6840	8.100	6902	8.100	6964	8.100	7026	8.100	7088	8.100	7150	8.100
6717	8.100	6779	8.100	6841	8.100	6903	8.100	6965	8.100	7027	8.100	7089	8.100	7151	8.100
6718	8.100	6780	8.100	6842	8.100	6904	8.100	6966	8.100	7028	8.100	7090	8.100	7152	8.100
6719	8.100	6781	8.100	6843	8.100	6905	8.100	6967	8.100	7029	8.100	7091	8.100	7153	8.100
6720	8.100	6782	8.100	6844	8.100	6906	8.100	6968	8.100	7030	8.100	7092	8.100	7154	8.100
6721	8.100	6783	8.100	6845	8.100	6907	8.100	6969	8.100	7031	8.100	7093	8.100	7155	8.100
6722	8.100	6784	8.100	6846	8.100	6908	8.100	6970	8.100	7032	8.100	7094	8.100	7156	8.100

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

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Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7219	8.100	7281	8.100	7343	8.100	7405	8.100	7467	8.100	7529	8.100	7591	8.100	7653	8.100
7220	8.100	7282	8.100	7344	8.100	7406	8.100	7468	8.100	7530	8.100	7592	8.100	7654	8.100
7221	8.100	7283	8.100	7345	8.100	7407	8.100	7469	8.100	7531	8.100	7593	8.100	7655	8.100
7222	8.100	7284	8.100	7346	8.100	7408	8.100	7470	8.100	7532	8.100	7594	8.100	7656	8.100
7223	8.100	7285	8.100	7347	8.100	7409	8.100	7471	8.100	7533	8.100	7595	8.100	7657	8.100
7224	8.100	7286	8.100	7348	8.100	7410	8.100	7472	8.100	7534	8.100	7596	8.100	7658	8.100
7225	8.100	7287	8.100	7349	8.100	7411	8.100	7473	8.100	7535	8.100	7597	8.100	7659	8.100
7226	8.100	7288	8.100	7350	8.100	7412	8.100	7474	8.100	7536	8.100	7598	8.100	7660	8.100
7227	8.100	7289	8.100	7351	8.100	7413	8.100	7475	8.100	7537	8.100	7599	8.100	7661	8.100
7228	8.100	7290	8.100	7352	8.100	7414	8.100	7476	8.100	7538	8.100	7600	8.100	7662	8.100
7229	8.100	7291	8.100	7353	8.100	7415	8.100	7477	8.100	7539	8.100	7601	8.100	7663	8.100
7230	8.100	7292	8.100	7354	8.100	7416	8.100	7478	8.100	7540	8.100	7602	8.100	7664	8.100
7231	8.100	7293	8.100	7355	8.100	7417	8.100	7479	8.100	7541	8.100	7603	8.100	7665	8.100
7232	8.100	7294	8.100	7356	8.100	7418	8.100	7480	8.100	7542	8.100	7604	8.100	7666	8.100
7233	8.100	7295	8.100	7357	8.100	7419	8.100	7481	8.100	7543	8.100	7605	8.100	7667	8.100
7234	8.100	7296	8.100	7358	8.100	7420	8.100	7482	8.100	7544	8.100	7606	8.100	7668	8.100
7235	8.100	7297	8.100	7359	8.100	7421	8.100	7483	8.100	7545	8.100	7607	8.100	7669	8.100
7236	8.100	7298	8.100	7360	8.100	7422	8.100	7484	8.100	7546	8.100	7608	8.100	7670	8.100
7237	8.100	7299	8.100	7361	8.100	7423	8.100	7485	8.100	7547	8.100	7609	8.100	7671	8.100
7238	8.100	7300	8.100	7362	8.100	7424	8.100	7486	8.100	7548	8.100	7610	8.100	7672	8.100
7239	8.100	7301	8.100	7363	8.100	7425	8.100	7487	8.100	7549	8.100	7611	8.100	7673	8.100
7240	8.100	7302	8.100	7364	8.100	7426	8.100	7488	8.100	7550	8.100	7612	8.100	7674	8.100
7241	8.100	7303	8.100	7365	8.100	7427	8.100	7489	8.100	7551	8.100	7613	8.100	7675	8.100
7242	8.100	7304	8.100	7366	8.100	7428	8.100	7490	8.100	7552	8.100	7614	8.100	7676	8.100
7243	8.100	7305	8.100	7367	8.100	7429	8.100	7491	8.100	7553	8.100	7615	8.100	7677	8.100
7244	8.100	7306	8.100	7368	8.100	7430	8.100	7492	8.100	7554	8.100	7616	8.100	7678	8.100
7245	8.100	7307	8.100	7369	8.100	7431	8.100	7493	8.100	7555	8.100	7617	8.100	7679	8.100
7246	8.100	7308	8.100	7370	8.100	7432	8.100	7494	8.100	7556	8.100	7618	8.100	7680	8.100
7247	8.100	7309	8.100	7371	8.100	7433	8.100	7495	8.100	7557	8.100	7619	8.100	7681	8.100
7248	8.100	7310	8.100	7372	8.100	7434	8.100	7496	8.100	7558	8.100	7620	8.100	7682	8.100
7249	8.100	7311	8.100	7373	8.100	7435	8.100	7497	8.100	7559	8.100	7621	8.100	7683	8.100
7250	8.100	7312	8.100	7374	8.100	7436	8.100	7498	8.100	7560	8.100	7622	8.100	7684	8.100
7251	8.100	7313	8.100	7375	8.100	7437	8.100	7499	8.100	7561	8.100	7623	8.100	7685	8.100
7252	8.100	7314	8.100	7376	8.100	7438	8.100	7500	8.100	7562	8.100	7624	8.100	7686	8.100
7253	8.100	7315	8.100	7377	8.100	7439	8.100	7501	8.100	7563	8.100	7625	8.100	7687	8.100
7254	8.100	7316	8.100	7378	8.100	7440	8.100	7502	8.100	7564	8.100	7626	8.100	7688	8.100
7255	8.100	7317	8.100	7379	8.100	7441	8.100	7503	8.100	7565	8.100	7627	8.100	7689	8.100
7256	8.100	7318	8.100	7380	8.100	7442	8.100	7504	8.100	7566	8.100	7628	8.100	7690	8.100
7257	8.100	7319	8.100	7381	8.100	7443	8.100	7505	8.100	7567	8.100	7629	8.100	7691	8.100
7258	8.100	7320	8.100	7382	8.100	7444	8.100	7506	8.100	7568	8.100	7630	8.100	7692	8.100
7259	8.100	7321	8.100	7383	8.100	7445	8.100	7507	8.100	7569	8.100	7631	8.100	7693	8.100
7260	8.100	7322	8.100	7384	8.100	7446	8.100	7508	8.100	7570	8.100	7632	8.100	7694	8.100
7261	8.100	7323	8.100	7385	8.100	7447	8.100	7509	8.100	7571	8.100	7633	8.100	7695	8.100
7262	8.100	7324	8.100	7386	8.100	7448	8.100	7510	8.100	7572	8.100	7634	8.100	7696	8.100
7263	8.100	7325	8.100	7387	8.100	7449	8.100	7511	8.100	7573	8.100	7635	8.100	7697	8.100
7264	8.100	7326	8.100	7388	8.100	7450	8.100	7512	8.100	7574	8.100	7636	8.100	7698	8.100
7265	8.100	7327	8.100	7389	8.100	7451	8.100	7513	8.100	7575	8.100	7637	8.100	7699	8.100
7266	8.100	7328	8.100	7390	8.100	7452	8.100	7514	8.100	7576	8.100	7638	8.100	7700	8.100
7267	8.100	7329	8.100	7391	8.100	7453	8.100	7515	8.100	7577	8.100	7639	8.100	7701	8.100
7268	8.100	7330	8.100	7392	8.100	7454	8.100	7516	8.100	7578	8.100	7640	8.100	7702	8.100
7269	8.100	7331	8.100	7393	8.100	7455	8.100	7517	8.100	7579	8.100	7641	8.100	7703	8.100
7270	8.100	7332	8.100	7394	8.100	7456	8.100	7518	8.100	7580	8.100	7642	8.100	7704	8.100
7271	8.100	7333	8.100	7395	8.100	7457	8.100	7519	8.100	7581	8.100	7643	8.100	7705	8.100
7272	8.100	7334	8.100	7396	8.100	7458	8.100	7520	8.100	7582	8.100	7644	8.100	7706	8.100
7273	8.100	7335	8.100	7397	8.100	7459	8.100	7521	8.100	7583	8.100	7645	8.100	7707	8.100
7274	8.100	7336	8.100	7398	8.100	7460	8.100	7522	8.100	7584	8.100	7646	8.100	7708	8.100
7275	8.100	7337	8.100	7399	8.100	7461	8.100	7523	8.100	7585	8.100	7647	8.100	7709	8.100
7276	8.100	7338	8.100	7400	8.100	7462	8.100	7524	8.100	7586	8.100	7648	8.100	7710	8.100
7277	8.100	7339	8.100	7401	8.100	7463	8.100	7525	8.100	7587	8.100	7649	8.100	7711	8.100
7278	8.100	7340	8.100	7402	8.100	7464	8.100	7526	8.100	7588	8.100	7650	8.100	7712	8.100
7279	8.100	7341	8.100	7403	8.100	7465	8.100	7527	8.100	7589	8.100	7651	8.100	7713	8.100
7280	8.100	7342	8.100	7404	8.100	7466	8.100	7528	8.100	7590	8.100	7652	8.100	7714	8.100

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7777	8.100	7839	8.100	7901	8.100	7963	8.100	8025	8.100	8087	8.100	8149	8.100	8211	8.100
7778	8.100	7840	8.100	7902	8.100	7964	8.100	8026	8.100	8088	8.100	8150	8.100	8212	8.100
7779	8.100	7841	8.100	7903	8.100	7965	8.100	8027	8.100	8089	8.100	8151	8.100	8213	8.100
7780	8.100	7842	8.100	7904	8.100	7966	8.100	8028	8.100	8090	8.100	8152	8.100	8214	8.100
7781	8.100	7843	8.100	7905	8.100	7967	8.100	8029	8.100	8091	8.100	8153	8.100	8215	8.100
7782	8.100	7844	8.100	7906	8.100	7968	8.100	8030	8.100	8092	8.100	8154	8.100	8216	8.100
7783	8.100	7845	8.100	7907	8.100	7969	8.100	8031	8.100	8093	8.100	8155	8.100	8217	8.100
7784	8.100	7846	8.100	7908	8.100	7970	8.100	8032	8.100	8094	8.100	8156	8.100	8218	8.100
7785	8.100	7847	8.100	7909	8.100	7971	8.100	8033	8.100	8095	8.100	8157	8.100	8219	8.100
7786	8.100	7848	8.100	7910	8.100	7972	8.100	8034	8.100	8096	8.100	8158	8.100	8220	8.100
7787	8.100	7849	8.100	7911	8.100	7973	8.100	8035	8.100	8097	8.100	8159	8.100	8221	8.100
7788	8.100	7850	8.100	7912	8.100	7974	8.100	8036	8.100	8098	8.100	8160	8.100	8222	8.100
7789	8.100	7851	8.100	7913	8.100	7975	8.100	8037	8.100	8099	8.100	8161	8.100	8223	8.100
7790	8.100	7852	8.100	7914	8.100	7976	8.100	8038	8.100	8100	8.100	8162	8.100	8224	8.100
7791	8.100	7853	8.100	7915	8.100	7977	8.100	8039	8.100	8101	8.100	8163	8.100	8225	8.100
7792	8.100	7854	8.100	7916	8.100	7978	8.100	8040	8.100	8102	8.100	8164	8.100	8226	8.100
7793	8.100	7855	8.100	7917	8.100	7979	8.100	8041	8.100	8103	8.100	8165	8.100	8227	8.100
7794	8.100	7856	8.100	7918	8.100	7980	8.100	8042	8.100	8104	8.100	8166	8.100	8228	8.100
7795	8.100	7857	8.100	7919	8.100	7981	8.100	8043	8.100	8105	8.100	8167	8.100	8229	8.100
7796	8.100	7858	8.100	7920	8.100	7982	8.100	8044	8.100	8106	8.100	8168	8.100	8230	8.100
7797	8.100	7859	8.100	7921	8.100	7983	8.100	8045	8.100	8107	8.100	8169	8.100	8231	8.100
7798	8.100	7860	8.100	7922	8.100	7984	8.100	8046	8.100	8108	8.100	8170	8.100	8232	8.100
7799	8.100	7861	8.100	7923	8.100	7985	8.100	8047	8.100	8109	8.100	8171	8.100	8233	8.100
7800	8.100	7862	8.100	7924	8.100	7986	8.100	8048	8.100	8110	8.100	8172	8.100	8234	8.100
7801	8.100	7863	8.100	7925	8.100	7987	8.100	8049	8.100	8111	8.100	8173	8.100	8235	8.100
7802	8.100	7864	8.100	7926	8.100	7988	8.100	8050	8.100	8112	8.100	8174	8.100	8236	8.100
7803	8.100	7865	8.100	7927	8.100	7989	8.100	8051	8.100	8113	8.100	8175	8.100	8237	8.100
7804	8.100	7866	8.100	7928	8.100	7990	8.100	8052	8.100	8114	8.100	8176	8.100	8238	8.100
7805	8.100	7867	8.100	7929	8.100	7991	8.100	8053	8.100	8115	8.100	8177	8.100	8239	8.100
7806	8.100	7868	8.100	7930	8.100	7992	8.100	8054	8.100	8116	8.100	8178	8.100	8240	8.100
7807	8.100	7869	8.100	7931	8.100	7993	8.100	8055	8.100	8117	8.100	8179	8.100	8241	8.100
7808	8.100	7870	8.100	7932	8.100	7994	8.100	8056	8.100	8118	8.100	8180	8.100	8242	8.100
7809	8.100	7871	8.100	7933	8.100	7995	8.100	8057	8.100	8119	8.100	8181	8.100	8243	8.100
7810	8.100	7872	8.100	7934	8.100	7996	8.100	8058	8.100	8120	8.100	8182	8.100	8244	8.100
7811	8.100	7873	8.100	7935	8.100	7997	8.100	8059	8.100	8121	8.100	8183	8.100	8245	8.100
7812	8.100	7874	8.100	7936	8.100	7998	8.100	8060	8.100	8122	8.100	8184	8.100	8246	8.100
7813	8.100	7875	8.100	7937	8.100	7999	8.100	8061	8.100	8123	8.100	8185	8.100	8247	8.100
7814	8.100	7876	8.100	7938	8.100	8000	8.100	8062	8.100	8124	8.100	8186	8.100	8248	8.100
7815	8.100	7877	8.100	7939	8.100	8001	8.100	8063	8.100	8125	8.100	8187	8.100	8249	8.100
7816	8.100	7878	8.100	7940	8.100	8002	8.100	8064	8.100	8126	8.100	8188	8.100	8250	8.100
7817	8.100	7879	8.100	7941	8.100	8003	8.100	8065	8.100	8127	8.100	8189	8.100	8251	8.100
7818	8.100	7880	8.100	7942	8.100	8004	8.100	8066	8.100	8128	8.100	8190	8.100	8252	8.100
7819	8.100	7881	8.100	7943	8.100	8005	8.100	8067	8.100	8129	8.100	8191	8.100	8253	8.100
7820	8.100	7882	8.100	7944	8.100	8006	8.100	8068	8.100	8130	8.100	8192	8.100	8254	8.100
7821	8.100	7883	8.100	7945	8.100	8007	8.100	8069	8.100	8131	8.100	8193	8.100	8255	8.100
7822	8.100	7884	8.100	7946	8.100	8008	8.100	8070	8.100	8132	8.100	8194	8.100	8256	8.100
7823	8.100	7885	8.100	7947	8.100	8009	8.100	8071	8.100	8133	8.100	8195	8.100	8257	8.100
7824	8.100	7886	8.100	7948	8.100	8010	8.100	8072	8.100	8134	8.100	8196	8.100	8258	8.100
7825	8.100	7887	8.100	7949	8.100	8011	8.100	8073	8.100	8135	8.100	8197	8.100	8259	8.100
7826	8.100	7888	8.100	7950	8.100	8012	8.100	8074	8.100	8136	8.100	8198	8.100	8260	8.100
7827	8.100	7889	8.100	7951	8.100	8013	8.100	8075	8.100	8137	8.100	8199	8.100	8261	8.100
7828	8.100	7890	8.100	7952	8.100	8014	8.100	8076	8.100	8138	8.100	8200	8.100	8262	8.100
7829	8.100	7891	8.100	7953	8.100	8015	8.100	8077	8.100	8139	8.100	8201	8.100	8263	8.100
7830	8.100	7892	8.100	7954	8.100	8016	8.100	8078	8.100	8140	8.100	8202	8.100	8264	8.100
7831	8.100	7893	8.100	7955	8.100	8017	8.100	8079	8.100	8141	8.100	8203	8.100	8265	8.100
7832	8.100	7894	8.100	7956	8.100	8018	8.100	8080	8.100	8142	8.100	8204	8.100	8266	8.100
7833	8.100	7895	8.100	7957	8.100	8019	8.100	8081	8.100	8143	8.100	8205	8.100	8267	8.100
7834	8.100	7896	8.100	7958	8.100	8020	8.100	8082	8.100	8144	8.100	8206	8.100	8268	8.100
7835	8.100	7897	8.100	7959	8.100	8021	8.100	8083	8.100	8145	8.100	8207	8.100	8269	8.100
7836	8.100	7898	8.100	7960	8.100	8022	8.100	8084	8.100	8146	8.100	8208	8.100	8270	8.100
7837	8.100	7899	8.100	7961	8.100	8023	8.100	8085	8.100	8147	8.100	8209	8.100	8271	8.100
7838	8.100	7900	8.100	7962	8.100	8024	8.100	8086	8.100	8148	8.100	8210	8.100	8272	8.100

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8335	8.100	8397	8.100	8459	8.100	8521	8.100	8583	8.100	8645	8.100	8707	8.100	8769	8.100
8336	8.100	8398	8.100	8460	8.100	8522	8.100	8584	8.100	8646	8.100	8708	8.100	8770	8.100
8337	8.100	8399	8.100	8461	8.100	8523	8.100	8585	8.100	8647	8.100	8709	8.100	8771	8.100
8338	8.100	8400	8.100	8462	8.100	8524	8.100	8586	8.100	8648	8.100	8710	8.100	8772	8.100
8339	8.100	8401	8.100	8463	8.100	8525	8.100	8587	8.100	8649	8.100	8711	8.100	8773	8.100
8340	8.100	8402	8.100	8464	8.100	8526	8.100	8588	8.100	8650	8.100	8712	8.100	8774	8.100
8341	8.100	8403	8.100	8465	8.100	8527	8.100	8589	8.100	8651	8.100	8713	8.100	8775	8.100
8342	8.100	8404	8.100	8466	8.100	8528	8.100	8590	8.100	8652	8.100	8714	8.100	8776	8.100
8343	8.100	8405	8.100	8467	8.100	8529	8.100	8591	8.100	8653	8.100	8715	8.100	8777	8.100
8344	8.100	8406	8.100	8468	8.100	8530	8.100	8592	8.100	8654	8.100	8716	8.100	8778	8.100
8345	8.100	8407	8.100	8469	8.100	8531	8.100	8593	8.100	8655	8.100	8717	8.100	8779	8.100
8346	8.100	8408	8.100	8470	8.100	8532	8.100	8594	8.100	8656	8.100	8718	8.100	8780	8.100
8347	8.100	8409	8.100	8471	8.100	8533	8.100	8595	8.100	8657	8.100	8719	8.100	8781	8.100
8348	8.100	8410	8.100	8472	8.100	8534	8.100	8596	8.100	8658	8.100	8720	8.100	8782	8.100
8349	8.100	8411	8.100	8473	8.100	8535	8.100	8597	8.100	8659	8.100	8721	8.100	8783	8.100
8350	8.100	8412	8.100	8474	8.100	8536	8.100	8598	8.100	8660	8.100	8722	8.100	8784	8.100
8351	8.100	8413	8.100	8475	8.100	8537	8.100	8599	8.100	8661	8.100	8723	8.100	8785	8.100
8352	8.100	8414	8.100	8476	8.100	8538	8.100	8600	8.100	8662	8.100	8724	8.100	8786	8.100
8353	8.100	8415	8.100	8477	8.100	8539	8.100	8601	8.100	8663	8.100	8725	8.100	8787	8.100
8354	8.100	8416	8.100	8478	8.100	8540	8.100	8602	8.100	8664	8.100	8726	8.100	8788	8.100
8355	8.100	8417	8.100	8479	8.100	8541	8.100	8603	8.100	8665	8.100	8727	8.100	8789	8.100
8356	8.100	8418	8.100	8480	8.100	8542	8.100	8604	8.100	8666	8.100	8728	8.100	8790	8.100
8357	8.100	8419	8.100	8481	8.100	8543	8.100	8605	8.100	8667	8.100	8729	8.100	8791	8.100
8358	8.100	8420	8.100	8482	8.100	8544	8.100	8606	8.100	8668	8.100	8730	8.100	8792	8.100
8359	8.100	8421	8.100	8483	8.100	8545	8.100	8607	8.100	8669	8.100	8731	8.100	8793	8.100
8360	8.100	8422	8.100	8484	8.100	8546	8.100	8608	8.100	8670	8.100	8732	8.100	8794	8.100
8361	8.100	8423	8.100	8485	8.100	8547	8.100	8609	8.100	8671	8.100	8733	8.100	8795	8.100
8362	8.100	8424	8.100	8486	8.100	8548	8.100	8610	8.100	8672	8.100	8734	8.100	8796	8.100
8363	8.100	8425	8.100	8487	8.100	8549	8.100	8611	8.100	8673	8.100	8735	8.100	8797	8.100
8364	8.100	8426	8.100	8488	8.100	8550	8.100	8612	8.100	8674	8.100	8736	8.100	8798	8.100
8365	8.100	8427	8.100	8489	8.100	8551	8.100	8613	8.100	8675	8.100	8737	8.100	8799	8.100
8366	8.100	8428	8.100	8490	8.100	8552	8.100	8614	8.100	8676	8.100	8738	8.100	8800	8.100
8367	8.100	8429	8.100	8491	8.100	8553	8.100	8615	8.100	8677	8.100	8739	8.100	8801	8.100
8368	8.100	8430	8.100	8492	8.100	8554	8.100	8616	8.100	8678	8.100	8740	8.100	8802	8.100
8369	8.100	8431	8.100	8493	8.100	8555	8.100	8617	8.100	8679	8.100	8741	8.100	8803	8.100
8370	8.100	8432	8.100	8494	8.100	8556	8.100	8618	8.100	8680	8.100	8742	8.100	8804	8.100
8371	8.100	8433	8.100	8495	8.100	8557	8.100	8619	8.100	8681	8.100	8743	8.100	8805	8.100
8372	8.100	8434	8.100	8496	8.100	8558	8.100	8620	8.100	8682	8.100	8744	8.100	8806	8.100
8373	8.100	8435	8.100	8497	8.100	8559	8.100	8621	8.100	8683	8.100	8745	8.100	8807	8.100
8374	8.100	8436	8.100	8498	8.100	8560	8.100	8622	8.100	8684	8.100	8746	8.100	8808	8.100
8375	8.100	8437	8.100	8499	8.100	8561	8.100	8623	8.100	8685	8.100	8747	8.100	8809	8.100
8376	8.100	8438	8.100	8500	8.100	8562	8.100	8624	8.100	8686	8.100	8748	8.100	8810	8.100
8377	8.100	8439	8.100	8501	8.100	8563	8.100	8625	8.100	8687	8.100	8749	8.100	8811	8.100
8378	8.100	8440	8.100	8502	8.100	8564	8.100	8626	8.100	8688	8.100	8750	8.100	8812	8.100
8379	8.100	8441	8.100	8503	8.100	8565	8.100	8627	8.100	8689	8.100	8751	8.100	8813	8.100
8380	8.100	8442	8.100	8504	8.100	8566	8.100	8628	8.100	8690	8.100	8752	8.100	8814	8.100
8381	8.100	8443	8.100	8505	8.100	8567	8.100	8629	8.100	8691	8.100	8753	8.100	8815	8.100
8382	8.100	8444	8.100	8506	8.100	8568	8.100	8630	8.100	8692	8.100	8754	8.100	8816	8.100
8383	8.100	8445	8.100	8507	8.100	8569	8.100	8631	8.100	8693	8.100	8755	8.100	8817	8.100
8384	8.100	8446	8.100	8508	8.100	8570	8.100	8632	8.100	8694	8.100	8756	8.100	8818	8.100
8385	8.100	8447	8.100	8509	8.100	8571	8.100	8633	8.100	8695	8.100	8757	8.100	8819	8.100
8386	8.100	8448	8.100	8510	8.100	8572	8.100	8634	8.100	8696	8.100	8758	8.100	8820	8.100
8387	8.100	8449	8.100	8511	8.100	8573	8.100	8635	8.100	8697	8.100	8759	8.100	8821	8.100
8388	8.100	8450	8.100	8512	8.100	8574	8.100	8636	8.100	8698	8.100	8760	8.100	8822	8.100
8389	8.100	8451	8.100	8513	8.100	8575	8.100	8637	8.100	8699	8.100	8761	8.100	8823	8.100
8390	8.100	8452	8.100	8514	8.100	8576	8.100	8638	8.100	8700	8.100	8762	8.100	8824	8.100
8391	8.100	8453	8.100	8515	8.100	8577	8.100	8639	8.100	8701	8.100	8763	8.100	8825	8.100
8392	8.100	8454	8.100	8516	8.100	8578	8.100	8640	8.100	8702	8.100	8764	8.100	8826	8.100
8393	8.100	8455	8.100	8517	8.100	8579	8.100	8641	8.100	8703	8.100	8765	8.100	8827	8.100
8394	8.100	8456	8.100	8518	8.100	8580	8.100	8642	8.100	8704	8.100	8766	8.100	8828	8.100
8395	8.100	8457	8.100	8519	8.100	8581	8.100	8643	8.100	8705	8.100	8767	8.100	8829	8.100
8396	8.100	8458	8.100	8520	8.100	8582	8.100	8644	8.100	8706	8.100	8768	8.100	8830	8.100



Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8893	8.100	8955	8.100	9017	8.100	9079	8.100	9141	8.100	9203	8.100	9265	8.100	9327	8.100
8894	8.100	8956	8.100	9018	8.100	9080	8.100	9142	8.100	9204	8.100	9266	8.100	9328	8.100
8895	8.100	8957	8.100	9019	8.100	9081	8.100	9143	8.100	9205	8.100	9267	8.100	9329	8.100
8896	8.100	8958	8.100	9020	8.100	9082	8.100	9144	8.100	9206	8.100	9268	8.100	9330	8.100
8897	8.100	8959	8.100	9021	8.100	9083	8.100	9145	8.100	9207	8.100	9269	8.100	9331	8.100
8898	8.100	8960	8.100	9022	8.100	9084	8.100	9146	8.100	9208	8.100	9270	8.100	9332	8.100
8899	8.100	8961	8.100	9023	8.100	9085	8.100	9147	8.100	9209	8.100	9271	8.100	9333	8.100
8900	8.100	8962	8.100	9024	8.100	9086	8.100	9148	8.100	9210	8.100	9272	8.100	9334	8.100
8901	8.100	8963	8.100	9025	8.100	9087	8.100	9149	8.100	9211	8.100	9273	8.100	9335	8.100
8902	8.100	8964	8.100	9026	8.100	9088	8.100	9150	8.100	9212	8.100	9274	8.100	9336	8.100
8903	8.100	8965	8.100	9027	8.100	9089	8.100	9151	8.100	9213	8.100	9275	8.100	9337	8.100
8904	8.100	8966	8.100	9028	8.100	9090	8.100	9152	8.100	9214	8.100	9276	8.100	9338	8.100
8905	8.100	8967	8.100	9029	8.100	9091	8.100	9153	8.100	9215	8.100	9277	8.100	9339	8.100
8906	8.100	8968	8.100	9030	8.100	9092	8.100	9154	8.100	9216	8.100	9278	8.100	9340	8.100
8907	8.100	8969	8.100	9031	8.100	9093	8.100	9155	8.100	9217	8.100	9279	8.100	9341	8.100
8908	8.100	8970	8.100	9032	8.100	9094	8.100	9156	8.100	9218	8.100	9280	8.100	9342	8.100
8909	8.100	8971	8.100	9033	8.100	9095	8.100	9157	8.100	9219	8.100	9281	8.100	9343	8.100
8910	8.100	8972	8.100	9034	8.100	9096	8.100	9158	8.100	9220	8.100	9282	8.100	9344	8.100
8911	8.100	8973	8.100	9035	8.100	9097	8.100	9159	8.100	9221	8.100	9283	8.100	9345	8.100
8912	8.100	8974	8.100	9036	8.100	9098	8.100	9160	8.100	9222	8.100	9284	8.100	9346	8.100
8913	8.100	8975	8.100	9037	8.100	9099	8.100	9161	8.100	9223	8.100	9285	8.100	9347	8.100
8914	8.100	8976	8.100	9038	8.100	9100	8.100	9162	8.100	9224	8.100	9286	8.100	9348	8.100
8915	8.100	8977	8.100	9039	8.100	9101	8.100	9163	8.100	9225	8.100	9287	8.100	9349	8.100
8916	8.100	8978	8.100	9040	8.100	9102	8.100	9164	8.100	9226	8.100	9288	8.100	9350	8.100
8917	8.100	8979	8.100	9041	8.100	9103	8.100	9165	8.100	9227	8.100	9289	8.100	9351	8.100
8918	8.100	8980	8.100	9042	8.100	9104	8.100	9166	8.100	9228	8.100	9290	8.100	9352	8.100
8919	8.100	8981	8.100	9043	8.100	9105	8.100	9167	8.100	9229	8.100	9291	8.100	9353	8.100
8920	8.100	8982	8.100	9044	8.100	9106	8.100	9168	8.100	9230	8.100	9292	8.100	9354	8.100
8921	8.100	8983	8.100	9045	8.100	9107	8.100	9169	8.100	9231	8.100	9293	8.100	9355	8.100
8922	8.100	8984	8.100	9046	8.100	9108	8.100	9170	8.100	9232	8.100	9294	8.100	9356	8.100
8923	8.100	8985	8.100	9047	8.100	9109	8.100	9171	8.100	9233	8.100	9295	8.100	9357	8.100
8924	8.100	8986	8.100	9048	8.100	9110	8.100	9172	8.100	9234	8.100	9296	8.100	9358	8.100
8925	8.100	8987	8.100	9049	8.100	9111	8.100	9173	8.100	9235	8.100	9297	8.100	9359	8.100
8926	8.100	8988	8.100	9050	8.100	9112	8.100	9174	8.100	9236	8.100	9298	8.100	9360	8.100
8927	8.100	8989	8.100	9051	8.100	9113	8.100	9175	8.100	9237	8.100	9299	8.100	9361	8.100
8928	8.100	8990	8.100	9052	8.100	9114	8.100	9176	8.100	9238	8.100	9300	8.100	9362	8.100
8929	8.100	8991	8.100	9053	8.100	9115	8.100	9177	8.100	9239	8.100	9301	8.100	9363	8.100
8930	8.100	8992	8.100	9054	8.100	9116	8.100	9178	8.100	9240	8.100	9302	8.100	9364	8.100
8931	8.100	8993	8.100	9055	8.100	9117	8.100	9179	8.100	9241	8.100	9303	8.100	9365	8.100
8932	8.100	8994	8.100	9056	8.100	9118	8.100	9180	8.100	9242	8.100	9304	8.100	9366	8.100
8933	8.100	8995	8.100	9057	8.100	9119	8.100	9181	8.100	9243	8.100	9305	8.100	9367	8.100
8934	8.100	8996	8.100	9058	8.100	9120	8.100	9182	8.100	9244	8.100	9306	8.100	9368	8.100
8935	8.100	8997	8.100	9059	8.100	9121	8.100	9183	8.100	9245	8.100	9307	8.100	9369	8.100
8936	8.100	8998	8.100	9060	8.100	9122	8.100	9184	8.100	9246	8.100	9308	8.100	9370	8.100
8937	8.100	8999	8.100	9061	8.100	9123	8.100	9185	8.100	9247	8.100	9309	8.100	9371	8.100
8938	8.100	9000	8.100	9062	8.100	9124	8.100	9186	8.100	9248	8.100	9310	8.100	9372	8.100
8939	8.100	9001	8.100	9063	8.100	9125	8.100	9187	8.100	9249	8.100	9311	8.100	9373	8.100
8940	8.100	9002	8.100	9064	8.100	9126	8.100	9188	8.100	9250	8.100	9312	8.100	9374	8.100
8941	8.100	9003	8.100	9065	8.100	9127	8.100	9189	8.100	9251	8.100	9313	8.100	9375	8.100
8942	8.100	9004	8.100	9066	8.100	9128	8.100	9190	8.100	9252	8.100	9314	8.100	9376	8.100
8943	8.100	9005	8.100	9067	8.100	9129	8.100	9191	8.100	9253	8.100	9315	8.100	9377	8.100
8944	8.100	9006	8.100	9068	8.100	9130	8.100	9192	8.100	9254	8.100	9316	8.100	9378	8.100
8945	8.100	9007	8.100	9069	8.100	9131	8.100	9193	8.100	9255	8.100	9317	8.100	9379	8.100
8946	8.100	9008	8.100	9070	8.100	9132	8.100	9194	8.100	9256	8.100	9318	8.100	9380	8.100
8947	8.100	9009	8.100	9071	8.100	9133	8.100	9195	8.100	9257	8.100	9319	8.100	9381	8.100
8948	8.100	9010	8.100	9072	8.100	9134	8.100	9196	8.100	9258	8.100	9320	8.100	9382	8.100
8949	8.100	9011	8.100	9073	8.100	9135	8.100	9197	8.100	9259	8.100	9321	8.100	9383	8.100
8950	8.100	9012	8.100	9074	8.100	9136	8.100	9198	8.100	9260	8.100	9322	8.100	9384	8.100
8951	8.100	9013	8.100	9075	8.100	9137	8.100	9199	8.100	9261	8.100	9323	8.100	9385	8.100
8952	8.100	9014	8.100	9076	8.100	9138	8.100	9200	8.100	9262	8.100	9324	8.100	9386	8.100
8953	8.100	9015	8.100	9077	8.100	9139	8.100	9201	8.100	9263	8.100	9325	8.100	9387	8.100
8954	8.100	9016	8.100	9078	8.100	9140	8.100	9202	8.100	9264	8.100	9326	8.100	9388	8.100



Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
File SLR-AB-24 surcharged.MDX

Designed by Dan James  
Checked by Chris Uzzel

XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9451	8.100	9513	8.100	9575	8.100	9637	8.100	9699	8.100	9761	8.100	9823	8.100	9885	8.100
9452	8.100	9514	8.100	9576	8.100	9638	8.100	9700	8.100	9762	8.100	9824	8.100	9886	8.100
9453	8.100	9515	8.100	9577	8.100	9639	8.100	9701	8.100	9763	8.100	9825	8.100	9887	8.100
9454	8.100	9516	8.100	9578	8.100	9640	8.100	9702	8.100	9764	8.100	9826	8.100	9888	8.100
9455	8.100	9517	8.100	9579	8.100	9641	8.100	9703	8.100	9765	8.100	9827	8.100	9889	8.100
9456	8.100	9518	8.100	9580	8.100	9642	8.100	9704	8.100	9766	8.100	9828	8.100	9890	8.100
9457	8.100	9519	8.100	9581	8.100	9643	8.100	9705	8.100	9767	8.100	9829	8.100	9891	8.100
9458	8.100	9520	8.100	9582	8.100	9644	8.100	9706	8.100	9768	8.100	9830	8.100	9892	8.100
9459	8.100	9521	8.100	9583	8.100	9645	8.100	9707	8.100	9769	8.100	9831	8.100	9893	8.100
9460	8.100	9522	8.100	9584	8.100	9646	8.100	9708	8.100	9770	8.100	9832	8.100	9894	8.100
9461	8.100	9523	8.100	9585	8.100	9647	8.100	9709	8.100	9771	8.100	9833	8.100	9895	8.100
9462	8.100	9524	8.100	9586	8.100	9648	8.100	9710	8.100	9772	8.100	9834	8.100	9896	8.100
9463	8.100	9525	8.100	9587	8.100	9649	8.100	9711	8.100	9773	8.100	9835	8.100	9897	8.100
9464	8.100	9526	8.100	9588	8.100	9650	8.100	9712	8.100	9774	8.100	9836	8.100	9898	8.100
9465	8.100	9527	8.100	9589	8.100	9651	8.100	9713	8.100	9775	8.100	9837	8.100	9899	8.100
9466	8.100	9528	8.100	9590	8.100	9652	8.100	9714	8.100	9776	8.100	9838	8.100	9900	8.100
9467	8.100	9529	8.100	9591	8.100	9653	8.100	9715	8.100	9777	8.100	9839	8.100	9901	8.100
9468	8.100	9530	8.100	9592	8.100	9654	8.100	9716	8.100	9778	8.100	9840	8.100	9902	8.100
9469	8.100	9531	8.100	9593	8.100	9655	8.100	9717	8.100	9779	8.100	9841	8.100	9903	8.100
9470	8.100	9532	8.100	9594	8.100	9656	8.100	9718	8.100	9780	8.100	9842	8.100	9904	8.100
9471	8.100	9533	8.100	9595	8.100	9657	8.100	9719	8.100	9781	8.100	9843	8.100	9905	8.100
9472	8.100	9534	8.100	9596	8.100	9658	8.100	9720	8.100	9782	8.100	9844	8.100	9906	8.100
9473	8.100	9535	8.100	9597	8.100	9659	8.100	9721	8.100	9783	8.100	9845	8.100	9907	8.100
9474	8.100	9536	8.100	9598	8.100	9660	8.100	9722	8.100	9784	8.100	9846	8.100	9908	8.100
9475	8.100	9537	8.100	9599	8.100	9661	8.100	9723	8.100	9785	8.100	9847	8.100	9909	8.100
9476	8.100	9538	8.100	9600	8.100	9662	8.100	9724	8.100	9786	8.100	9848	8.100	9910	8.100
9477	8.100	9539	8.100	9601	8.100	9663	8.100	9725	8.100	9787	8.100	9849	8.100	9911	8.100
9478	8.100	9540	8.100	9602	8.100	9664	8.100	9726	8.100	9788	8.100	9850	8.100	9912	8.100
9479	8.100	9541	8.100	9603	8.100	9665	8.100	9727	8.100	9789	8.100	9851	8.100	9913	8.100
9480	8.100	9542	8.100	9604	8.100	9666	8.100	9728	8.100	9790	8.100	9852	8.100	9914	8.100
9481	8.100	9543	8.100	9605	8.100	9667	8.100	9729	8.100	9791	8.100	9853	8.100	9915	8.100
9482	8.100	9544	8.100	9606	8.100	9668	8.100	9730	8.100	9792	8.100	9854	8.100	9916	8.100
9483	8.100	9545	8.100	9607	8.100	9669	8.100	9731	8.100	9793	8.100	9855	8.100	9917	8.100
9484	8.100	9546	8.100	9608	8.100	9670	8.100	9732	8.100	9794	8.100	9856	8.100	9918	8.100
9485	8.100	9547	8.100	9609	8.100	9671	8.100	9733	8.100	9795	8.100	9857	8.100	9919	8.100
9486	8.100	9548	8.100	9610	8.100	9672	8.100	9734	8.100	9796	8.100	9858	8.100	9920	8.100
9487	8.100	9549	8.100	9611	8.100	9673	8.100	9735	8.100	9797	8.100	9859	8.100	9921	8.100
9488	8.100	9550	8.100	9612	8.100	9674	8.100	9736	8.100	9798	8.100	9860	8.100	9922	8.100
9489	8.100	9551	8.100	9613	8.100	9675	8.100	9737	8.100	9799	8.100	9861	8.100	9923	8.100
9490	8.100	9552	8.100	9614	8.100	9676	8.100	9738	8.100	9800	8.100	9862	8.100	9924	8.100
9491	8.100	9553	8.100	9615	8.100	9677	8.100	9739	8.100	9801	8.100	9863	8.100	9925	8.100
9492	8.100	9554	8.100	9616	8.100	9678	8.100	9740	8.100	9802	8.100	9864	8.100	9926	8.100
9493	8.100	9555	8.100	9617	8.100	9679	8.100	9741	8.100	9803	8.100	9865	8.100	9927	8.100
9494	8.100	9556	8.100	9618	8.100	9680	8.100	9742	8.100	9804	8.100	9866	8.100	9928	8.100
9495	8.100	9557	8.100	9619	8.100	9681	8.100	9743	8.100	9805	8.100	9867	8.100	9929	8.100
9496	8.100	9558	8.100	9620	8.100	9682	8.100	9744	8.100	9806	8.100	9868	8.100	9930	8.100
9497	8.100	9559	8.100	9621	8.100	9683	8.100	9745	8.100	9807	8.100	9869	8.100	9931	8.100
9498	8.100	9560	8.100	9622	8.100	9684	8.100	9746	8.100	9808	8.100	9870	8.100	9932	8.100
9499	8.100	9561	8.100	9623	8.100	9685	8.100	9747	8.100	9809	8.100	9871	8.100	9933	8.100
9500	8.100	9562	8.100	9624	8.100	9686	8.100	9748	8.100	9810	8.100	9872	8.100	9934	8.100
9501	8.100	9563	8.100	9625	8.100	9687	8.100	9749	8.100	9811	8.100	9873	8.100	9935	8.100
9502	8.100	9564	8.100	9626	8.100	9688	8.100	9750	8.100	9812	8.100	9874	8.100	9936	8.100
9503	8.100	9565	8.100	9627	8.100	9689	8.100	9751	8.100	9813	8.100	9875	8.100	9937	8.100
9504	8.100	9566	8.100	9628	8.100	9690	8.100	9752	8.100	9814	8.100	9876	8.100	9938	8.100
9505	8.100	9567	8.100	9629	8.100	9691	8.100	9753	8.100	9815	8.100	9877	8.100	9939	8.100
9506	8.100	9568	8.100	9630	8.100	9692	8.100	9754	8.100	9816	8.100	9878	8.100	9940	8.100
9507	8.100	9569	8.100	9631	8.100	9693	8.100	9755	8.100	9817	8.100	9879	8.100	9941	8.100
9508	8.100	9570	8.100	9632	8.100	9694	8.100	9756	8.100	9818	8.100	9880	8.100	9942	8.100
9509	8.100	9571	8.100	9633	8.100	9695	8.100	9757	8.100	9819	8.100	9881	8.100	9943	8.100
9510	8.100	9572	8.100	9634	8.100	9696	8.100	9758	8.100	9820	8.100	9882	8.100	9944	8.100
9511	8.100	9573	8.100	9635	8.100	9697	8.100	9759	8.100	9821	8.100	9883	8.100	9945	8.100
9512	8.100	9574	8.100	9636	8.100	9698	8.100	9760	8.100	9822	8.100	9884	8.100	9946	8.100



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Surcharged Outfall Details for AB-24

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
10567	8.100	10593	8.100	10619	8.100	10645	8.100	10671	8.100	10697	8.100	10723	8.100	10749	8.100
10568	8.100	10594	8.100	10620	8.100	10646	8.100	10672	8.100	10698	8.100	10724	8.100	10750	8.100
10569	8.100	10595	8.100	10621	8.100	10647	8.100	10673	8.100	10699	8.100	10725	8.100	10751	8.100
10570	8.100	10596	8.100	10622	8.100	10648	8.100	10674	8.100	10700	8.100	10726	8.100	10752	8.100
10571	8.100	10597	8.100	10623	8.100	10649	8.100	10675	8.100	10701	8.100	10727	8.100	10753	8.100
10572	8.100	10598	8.100	10624	8.100	10650	8.100	10676	8.100	10702	8.100	10728	8.100	10754	8.100
10573	8.100	10599	8.100	10625	8.100	10651	8.100	10677	8.100	10703	8.100	10729	8.100	10755	8.100
10574	8.100	10600	8.100	10626	8.100	10652	8.100	10678	8.100	10704	8.100	10730	8.100	10756	8.100
10575	8.100	10601	8.100	10627	8.100	10653	8.100	10679	8.100	10705	8.100	10731	8.100	10757	8.100
10576	8.100	10602	8.100	10628	8.100	10654	8.100	10680	8.100	10706	8.100	10732	8.100	10758	8.100
10577	8.100	10603	8.100	10629	8.100	10655	8.100	10681	8.100	10707	8.100	10733	8.100	10759	8.100
10578	8.100	10604	8.100	10630	8.100	10656	8.100	10682	8.100	10708	8.100	10734	8.100	10760	8.100
10579	8.100	10605	8.100	10631	8.100	10657	8.100	10683	8.100	10709	8.100	10735	8.100	10761	8.100
10580	8.100	10606	8.100	10632	8.100	10658	8.100	10684	8.100	10710	8.100	10736	8.100	10762	8.100
10581	8.100	10607	8.100	10633	8.100	10659	8.100	10685	8.100	10711	8.100	10737	8.100	10763	8.100
10582	8.100	10608	8.100	10634	8.100	10660	8.100	10686	8.100	10712	8.100	10738	8.100	10764	8.100
10583	8.100	10609	8.100	10635	8.100	10661	8.100	10687	8.100	10713	8.100	10739	8.100	10765	8.100
10584	8.100	10610	8.100	10636	8.100	10662	8.100	10688	8.100	10714	8.100	10740	8.100	10766	8.100
10585	8.100	10611	8.100	10637	8.100	10663	8.100	10689	8.100	10715	8.100	10741	8.100	10767	8.100
10586	8.100	10612	8.100	10638	8.100	10664	8.100	10690	8.100	10716	8.100	10742	8.100	10768	8.100
10587	8.100	10613	8.100	10639	8.100	10665	8.100	10691	8.100	10717	8.100	10743	8.100	10769	8.100
10588	8.100	10614	8.100	10640	8.100	10666	8.100	10692	8.100	10718	8.100	10744	8.100	10770	8.100
10589	8.100	10615	8.100	10641	8.100	10667	8.100	10693	8.100	10719	8.100	10745	8.100	10771	8.100
10590	8.100	10616	8.100	10642	8.100	10668	8.100	10694	8.100	10720	8.100	10746	8.100	10772	8.100
10591	8.100	10617	8.100	10643	8.100	10669	8.100	10695	8.100	10721	8.100	10747	8.100	10773	8.100
10592	8.100	10618	8.100	10644	8.100	10670	8.100	10696	8.100	10722	8.100	10748	8.100	10774	8.100

Simulation Criteria for AB-24

Volumetric Runoff Coeff 0.750      Additional Flow - % of Total Flow 0.000  
 Areal Reduction Factor 1.000      MADD Factor \* 10m³/ha Storage 2.000  
 Hot Start (mins) 0      Inlet Coefficient 0.800  
 Hot Start Level (mm) 0      Flow per Person per Day (l/per/day) 0.000  
 Manhole Headloss Coeff (Global) 0.500      Run Time (mins) 60  
 Foul Sewage per hectare (l/s) 0.000      Output Interval (mins) 1

Number of Input Hydrographs 0      Number of Offline Controls 0      Number of Time/Area Diagrams 0  
 Number of Online Controls 4      Number of Storage Structures 3      Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model      FEH      Summer Storms      Yes  
 Return Period (years)      30      Winter Storms      Yes  
 FEH Rainfall Version      2013      Cv (Summer)      0.750  
 Site Location GB 640286 267538 TM 40286 67538      Cv (Winter)      0.840  
 Data Type      Point Storm Duration (mins)      30

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Online Controls for AB-24

Hydro-Brake® Optimum Manhole: S33, DS/PN: S4.010, Volume (m³): 4.7

Unit Reference MD-SHE-0103-5000-1200-5000  
Design Head (m) 1.200  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 103  
Invert Level (m) 8.592  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.200	5.0	Kick-Flo®	0.745	4.0
Flush-Flo™	0.354	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.4	0.800	4.1	2.000	6.3	4.000	8.8	7.000	11.5
0.200	4.7	1.000	4.6	2.200	6.6	4.500	9.3	7.500	11.8
0.300	5.0	1.200	5.0	2.400	6.9	5.000	9.8	8.000	12.2
0.400	5.0	1.400	5.4	2.600	7.2	5.500	10.2	8.500	12.6
0.500	4.9	1.600	5.7	3.000	7.7	6.000	10.7	9.000	12.9
0.600	4.7	1.800	6.0	3.500	8.3	6.500	11.1	9.500	13.3

Hydro-Brake® Optimum Manhole: S37, DS/PN: S4.014, Volume (m³): 9.6

Unit Reference MD-SHE-0092-5000-2000-5000  
Design Head (m) 2.000  
Design Flow (l/s) 5.0  
Flush-Flo™ Calculated  
Objective Minimise upstream storage  
Application Surface  
Sump Available Yes  
Diameter (mm) 92  
Invert Level (m) 7.925  
Minimum Outlet Pipe Diameter (mm) 150  
Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	2.000	5.0	Kick-Flo®	0.816	3.3
Flush-Flo™	0.398	4.1	Mean Flow over Head Range	-	3.9

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	2.9	0.800	3.4	2.000	5.0	4.000	6.9	7.000	9.0
0.200	3.8	1.000	3.6	2.200	5.2	4.500	7.3	7.500	9.3
0.300	4.1	1.200	3.9	2.400	5.4	5.000	7.7	8.000	9.6
0.400	4.1	1.400	4.2	2.600	5.6	5.500	8.0	8.500	9.9
0.500	4.1	1.600	4.5	3.000	6.0	6.000	8.4	9.000	10.2
0.600	4.0	1.800	4.8	3.500	6.5	6.500	8.7	9.500	10.4

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Hydro-Brake® Optimum Manhole: S39, DS/PN: S4.018, Volume (m³): 8.1

Unit Reference MD-SHE-0100-5000-1400-5000  
 Design Head (m) 1.400  
 Design Flow (l/s) 5.0  
 Flush-Flo™ Calculated  
 Objective Minimise upstream storage  
 Application Surface  
 Sump Available Yes  
 Diameter (mm) 100  
 Invert Level (m) 7.349  
 Minimum Outlet Pipe Diameter (mm) 150  
 Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.400	5.0	Kick-Flo®	0.855	4.0
Flush-Flo™	0.416	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.3	0.800	4.3	2.000	5.9	4.000	8.2	7.000	10.7
0.200	4.6	1.000	4.3	2.200	6.2	4.500	8.6	7.500	11.0
0.300	4.9	1.200	4.7	2.400	6.4	5.000	9.1	8.000	11.4
0.400	5.0	1.400	5.0	2.600	6.7	5.500	9.5	8.500	11.7
0.500	5.0	1.600	5.3	3.000	7.1	6.000	9.9	9.000	12.0
0.600	4.9	1.800	5.6	3.500	7.7	6.500	10.3	9.500	12.3

Non Return Valve Manhole: S41, DS/PN: S4.020, Volume (m³): 6.4

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Storage Structures for AB-24

Tank or Pond Manhole: S33, DS/PN: S4.010

Invert Level (m) 8.592

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	1000.0	1.200	2000.0

Tank or Pond Manhole: S37, DS/PN: S4.014

Invert Level (m) 7.925

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	1000.0	1.600	2500.0

Tank or Pond Manhole: S39, DS/PN: S4.018

Invert Level (m) 7.349

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	2.000	2000.0

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 4 Number of Storage Structures 3 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
Analysis Timestep 2.5 Second Increment (Extended)  
DTS Status OFF  
DVD Status ON  
Inertia Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged	Flooded	Flow / Cap.
									Level (m)	Depth (m)	Volume (m <sup>3</sup> )	
S4.000	S23	30 Winter	2	+0%					13.144	-0.211	0.000	0.19
S4.001	S24	15 Winter	2	+0%	100/15 Summer				12.760	-0.239	0.000	0.26
S4.002	S25	15 Winter	2	+0%					12.462	-0.269	0.000	0.17
S4.003	S26	15 Winter	2	+0%	100/15 Summer				11.478	-0.222	0.000	0.34
S4.004	S27	15 Winter	2	+0%	100/15 Summer				10.766	-0.274	0.000	0.31
S4.005	S28	15 Winter	2	+0%	30/15 Winter				10.321	-0.279	0.000	0.29
S4.006	S29	15 Winter	2	+0%	30/15 Winter				10.250	-0.265	0.000	0.36
S5.000	S30	30 Winter	2	+0%					14.262	-0.108	0.000	0.17
S5.001	S31	15 Winter	2	+0%	100/15 Summer				13.471	-0.157	0.000	0.18
S5.002	S32	15 Winter	2	+0%	30/15 Winter				13.013	-0.122	0.000	0.39
S5.003	S33	15 Winter	2	+0%	100/15 Summer				12.638	-0.180	0.000	0.32
S5.004	S12	15 Winter	2	+0%	100/15 Summer				12.399	-0.185	0.000	0.31
S5.005	S34	15 Winter	2	+0%	100/30 Winter				12.166	-0.184	0.000	0.31
S5.006	S35	15 Winter	2	+0%					11.864	-0.235	0.000	0.10
S4.007	S30	15 Winter	2	+0%	30/15 Winter				10.147	-0.260	0.000	0.37
S4.008	S31	15 Winter	2	+0%	30/15 Summer				9.962	-0.225	0.000	0.50
S4.009	S32	15 Winter	2	+0%	5/15 Winter				9.899	-0.106	0.000	0.86
S6.000	S33	30 Winter	2	+0%					9.559	-0.166	0.000	0.16
S6.001	S34	15 Winter	2	+0%	100/15 Summer				9.135	-0.183	0.000	0.31
S6.002	S35	15 Winter	2	+0%	100/15 Summer				8.980	-0.176	0.000	0.36
S4.010	S33	600 Winter	2	+0%	100/120 Summer				8.817	-0.300	0.000	0.04
S4.011	S34	600 Winter	2	+0%					8.598	-0.497	0.000	0.01
S7.000	S51	30 Winter	2	+0%					12.713	-0.107	0.000	0.18
S7.001	S45	15 Winter	2	+0%	100/15 Summer				11.700	-0.151	0.000	0.22
S7.002	S25	15 Winter	2	+0%	100/15 Summer				11.364	-0.153	0.000	0.22
S7.003	S46	15 Winter	2	+0%	100/15 Summer				11.057	-0.127	0.000	0.36
S7.004	S47	15 Winter	2	+0%	100/15 Summer				10.746	-0.118	0.000	0.46
S8.000	S48	30 Winter	2	+0%	100/15 Summer				14.113	-0.067	0.000	0.24
S8.001	S49	15 Winter	2	+0%	100/15 Summer				13.555	-0.134	0.000	0.32
S8.002	S29	15 Winter	2	+0%	100/15 Summer				13.330	-0.138	0.000	0.30
S8.003	S50	15 Winter	2	+0%	100/15 Summer				13.122	-0.125	0.000	0.39
S8.004	S51	15 Winter	2	+0%					12.827	-0.169	0.000	0.14



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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

PN	US/MH Name	Overflow (l/s)	Pipe	Level Exceeded
			Flow (l/s) Status	
S4.000	S23		12.1 OK	
S4.001	S24		25.9 OK	
S4.002	S25		34.7 OK	
S4.003	S26		52.4 OK	
S4.004	S27		63.6 OK	
S4.005	S28		65.8 OK	
S4.006	S29		66.0 OK	
S5.000	S30		3.0 OK	
S5.001	S31		6.9 OK	
S5.002	S32		11.4 OK	
S5.003	S33		19.5 OK	
S5.004	S12		18.8 OK	
S5.005	S34		20.5 OK	
S5.006	S35		21.4 OK	
S4.007	S30		92.3 OK	
S4.008	S31		91.8 OK	
S4.009	S32		92.2 OK	
S6.000	S33		6.1 OK	
S6.001	S34		18.9 OK	
S6.002	S35		18.7 OK	
S4.010	S33		4.8 OK	
S4.011	S34		4.8 OK	
S7.000	S51		3.1 OK	
S7.001	S45		8.5 OK	
S7.002	S25		8.2 OK	
S7.003	S46		10.6 OK	
S7.004	S47		10.6 OK	
S8.000	S48		1.4 OK	
S8.001	S49		9.3 OK	
S8.002	S29		8.7 OK	
S8.003	S50		11.3 OK	
S8.004	S51		13.2 OK	

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S7.005	S48	15	Winter	2	+0%				10.692	-0.151	0.000
S9.000	S49	30	Winter	2	+0%	100/15	Winter		9.136	-0.064	0.000
S4.012	S35	5760	Winter	2	+0%	100/1440	Winter		8.140	-0.257	0.000
S4.013	S36	5760	Winter	2	+0%	30/4320	Winter		8.140	-0.187	0.000
S4.014	S37	5760	Winter	2	+0%	100/2880	Winter		8.140	-0.385	0.000
S10.000	S57	30	Winter	2	+0%	100/15	Summer	100/30	14.039	-0.061	0.000
S10.001	S58	30	Winter	2	+0%	30/15	Summer	100/30	10.575	-0.047	0.000
S4.015	S38	5760	Winter	2	+0%	100/5760	Winter		8.117	-0.171	0.000
S11.000	S57	30	Winter	2	+0%	100/15	Summer		9.960	-0.100	0.000
S11.001	S55	15	Winter	2	+0%	30/15	Winter		9.677	-0.082	0.000
S11.002	S56	15	Winter	2	+0%				8.844	-0.156	0.000
S4.016	S54	5760	Winter	2	+0%	100/2880	Winter		8.117	-0.156	0.000
S12.000	S60	30	Winter	2	+0%	100/15	Summer		9.838	-0.102	0.000
S12.001	S58	15	Winter	2	+0%	100/15	Summer		9.569	-0.089	0.000
S12.002	S60	5760	Winter	2	+0%	100/15	Winter		8.117	-0.143	0.000
S13.000	S67	30	Winter	2	+0%				12.882	-0.194	0.000
S13.001	S47	30	Winter	2	+0%				9.459	-0.167	0.000
S4.017	S58	5760	Winter	2	+0%	2/1440	Winter		8.117	0.140	0.000
S4.018	S39	5760	Winter	2	+0%	2/1440	Summer		8.117	0.168	0.000
S4.019	S40	4320	Winter	2	+0%	2/960	Summer		8.100	0.225	0.000
S4.020	S41	5760	Winter	2	+0%	2/960	Summer		8.100	0.256	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S7.005	S48	0.24		25.1	OK	
S9.000	S49	0.29		2.0	OK	
S4.012	S35	0.02		4.2	OK	
S4.013	S36	0.02		4.1	OK	
S4.014	S37	0.01		3.4	OK	
S10.000	S57	0.33		3.8	OK	1
S10.001	S58	0.54		5.0	OK	1
S4.015	S38	0.02		3.5	OK	
S11.000	S57	0.24		3.2	OK	
S11.001	S55	0.42		7.8	OK	
S11.002	S56	0.20		9.5	OK	
S4.016	S54	0.01		3.7	OK	
S12.000	S60	0.23		3.0	OK	
S12.001	S58	0.35		8.7	OK	
S12.002	S60	0.01		0.4	OK	
S13.000	S67	0.05		5.4	OK	
S13.001	S47	0.15		5.4	OK	
S4.017	S58	0.03		4.3	SURCHARGED	
S4.018	S39	0.02		4.9	SURCHARGED	
S4.019	S40	0.00		0.1	SURCHARGED	
S4.020	S41	0.25		68.3	SURCHARGED	

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 4 Number of Storage Structures 3 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
Analysis Timestep 2.5 Second Increment (Extended)  
DTS Status OFF  
DVD Status ON  
Inertia Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged	Flooded	Flow / Cap.
									Level (m)	Depth (m)	Volume (m <sup>3</sup> )	
S4.000	S23	30 Winter	5	+0%					13.159	-0.196	0.000	0.26
S4.001	S24	15 Winter	5	+0%	100/15 Summer				12.785	-0.214	0.000	0.35
S4.002	S25	15 Winter	5	+0%					12.480	-0.251	0.000	0.24
S4.003	S26	15 Winter	5	+0%	100/15 Summer				11.506	-0.194	0.000	0.45
S4.004	S27	15 Winter	5	+0%	100/15 Summer				10.797	-0.243	0.000	0.42
S4.005	S28	15 Winter	5	+0%	30/15 Winter				10.353	-0.247	0.000	0.40
S4.006	S29	15 Winter	5	+0%	30/15 Winter				10.285	-0.230	0.000	0.48
S5.000	S30	30 Winter	5	+0%					14.269	-0.101	0.000	0.24
S5.001	S31	15 Winter	5	+0%	100/15 Summer				13.482	-0.146	0.000	0.25
S5.002	S32	15 Winter	5	+0%	30/15 Winter				13.033	-0.103	0.000	0.52
S5.003	S33	15 Winter	5	+0%	100/15 Summer				12.658	-0.160	0.000	0.42
S5.004	S12	15 Winter	5	+0%	100/15 Summer				12.420	-0.164	0.000	0.41
S5.005	S34	15 Winter	5	+0%	100/30 Winter				12.187	-0.163	0.000	0.42
S5.006	S35	15 Winter	5	+0%					11.873	-0.226	0.000	0.14
S4.007	S30	15 Winter	5	+0%	30/15 Winter				10.182	-0.225	0.000	0.50
S4.008	S31	15 Winter	5	+0%	30/15 Summer				10.084	-0.103	0.000	0.66
S4.009	S32	15 Winter	5	+0%	5/15 Winter				10.047	0.042	0.000	1.13
S6.000	S33	30 Winter	5	+0%					9.570	-0.155	0.000	0.21
S6.001	S34	15 Winter	5	+0%	100/15 Summer				9.156	-0.162	0.000	0.42
S6.002	S35	15 Winter	5	+0%	100/15 Summer				9.004	-0.152	0.000	0.49
S4.010	S33	480 Winter	5	+0%	100/120 Summer				8.872	-0.245	0.000	0.04
S4.011	S34	480 Winter	5	+0%					8.599	-0.496	0.000	0.01
S7.000	S51	30 Winter	5	+0%					12.720	-0.100	0.000	0.24
S7.001	S45	15 Winter	5	+0%	100/15 Summer				11.713	-0.138	0.000	0.30
S7.002	S25	15 Winter	5	+0%	100/15 Summer				11.377	-0.140	0.000	0.29
S7.003	S46	15 Winter	5	+0%	100/15 Summer				11.075	-0.108	0.000	0.49
S7.004	S47	15 Winter	5	+0%	100/15 Summer				10.767	-0.097	0.000	0.62
S8.000	S48	30 Winter	5	+0%	100/15 Summer				14.120	-0.060	0.000	0.33
S8.001	S49	15 Winter	5	+0%	100/15 Summer				13.572	-0.117	0.000	0.43
S8.002	S29	15 Winter	5	+0%	100/15 Summer				13.346	-0.123	0.000	0.41
S8.003	S50	15 Winter	5	+0%	100/15 Summer				13.141	-0.106	0.000	0.52
S8.004	S51	15 Winter	5	+0%					12.837	-0.159	0.000	0.19

Sizewell Link road  
SLR-AB-24



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S4.000	S23		16.4	OK	
S4.001	S24		35.0	OK	
S4.002	S25		46.8	OK	
S4.003	S26		70.8	OK	
S4.004	S27		85.8	OK	
S4.005	S28		88.8	OK	
S4.006	S29		89.0	OK	
S5.000	S30		4.1	OK	
S5.001	S31		9.4	OK	
S5.002	S32		15.3	OK	
S5.003	S33		26.0	OK	
S5.004	S12		25.1	OK	
S5.005	S34		27.1	OK	
S5.006	S35		28.3	OK	
S4.007	S30		123.6	OK	
S4.008	S31		121.6	OK	
S4.009	S32		120.7	SURCHARGED	
S6.000	S33		8.2	OK	
S6.001	S34		25.5	OK	
S6.002	S35		25.2	OK	
S4.010	S33		4.9	OK	
S4.011	S34		4.9	OK	
S7.000	S51		4.2	OK	
S7.001	S45		11.5	OK	
S7.002	S25		11.2	OK	
S7.003	S46		14.4	OK	
S7.004	S47		14.2	OK	
S8.000	S48		1.9	OK	
S8.001	S49		12.5	OK	
S8.002	S29		11.8	OK	
S8.003	S50		15.2	OK	
S8.004	S51		17.7	OK	

Sizewell Link road  
SLR-AB-24



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S7.005	S48	15	Winter	5	+0%				10.705	-0.138	0.000
S9.000	S49	30	Winter	5	+0%	100/15	Winter		9.143	-0.057	0.000
S4.012	S35	5760	Winter	5	+0%	100/1440	Winter		8.197	-0.200	0.000
S4.013	S36	5760	Winter	5	+0%	30/4320	Winter		8.196	-0.130	0.000
S4.014	S37	5760	Winter	5	+0%	100/2880	Winter		8.196	-0.329	0.000
S10.000	S57	30	Winter	5	+0%	100/15	Summer	100/30	14.047	-0.053	0.000
S10.001	S58	30	Winter	5	+0%	30/15	Summer	100/30	10.586	-0.036	0.000
S4.015	S38	5760	Winter	5	+0%	100/5760	Winter		8.146	-0.142	0.000
S11.000	S57	30	Winter	5	+0%	100/15	Summer		9.969	-0.091	0.000
S11.001	S55	15	Winter	5	+0%	30/15	Winter		9.690	-0.068	0.000
S11.002	S56	15	Winter	5	+0%				8.855	-0.145	0.000
S4.016	S54	5760	Winter	5	+0%	100/2880	Winter		8.146	-0.127	0.000
S12.000	S60	30	Winter	5	+0%	100/15	Summer		9.847	-0.093	0.000
S12.001	S58	15	Winter	5	+0%	100/15	Summer		9.581	-0.077	0.000
S12.002	S60	5760	Winter	5	+0%	100/15	Winter		8.146	-0.114	0.000
S13.000	S67	30	Winter	5	+0%				12.888	-0.188	0.000
S13.001	S47	30	Winter	5	+0%				9.470	-0.156	0.000
S4.017	S58	5760	Winter	5	+0%	2/1440	Winter		8.146	0.168	0.000
S4.018	S39	5760	Winter	5	+0%	2/1440	Summer		8.146	0.197	0.000
S4.019	S40	5760	Summer	5	+0%	2/960	Summer		8.100	0.225	0.000
S4.020	S41	5760	Summer	5	+0%	2/960	Summer		8.100	0.256	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S7.005	S48	0.32		33.3	OK	
S9.000	S49	0.39		2.7	OK	
S4.012	S35	0.02		4.8	OK	
S4.013	S36	0.02		4.8	OK	
S4.014	S37	0.01		3.5	OK	
S10.000	S57	0.44		5.2	OK	1
S10.001	S58	0.73		6.8	OK	1
S4.015	S38	0.02		3.6	OK	
S11.000	S57	0.33		4.3	OK	
S11.001	S55	0.57		10.6	OK	
S11.002	S56	0.27		12.8	OK	
S4.016	S54	0.01		3.9	OK	
S12.000	S60	0.31		4.0	OK	
S12.001	S58	0.46		11.7	OK	
S12.002	S60	0.01		0.5	OK	
S13.000	S67	0.06		7.3	OK	
S13.001	S47	0.20		7.3	OK	
S4.017	S58	0.03		4.6	SURCHARGED	
S4.018	S39	0.02		4.9	SURCHARGED	
S4.019	S40	0.43		74.5	SURCHARGED	
S4.020	S41	0.25		68.3	SURCHARGED	

Sizewell Link road  
SLR-AB-24



Date 30/09/2021  
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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 4 Number of Storage Structures 3 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
Analysis Timestep 2.5 Second Increment (Extended)  
DTS Status OFF  
DVD Status ON  
Inertia Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged	Flooded	Flow / Cap.
									Level (m)	Depth (m)	Volume (m <sup>3</sup> )	
S4.000	S23	30 Winter	30	+0%					13.193	-0.162	0.000	0.43
S4.001	S24	15 Winter	30	+0%	100/15 Summer				12.861	-0.137	0.000	0.64
S4.002	S25	15 Winter	30	+0%					12.532	-0.199	0.000	0.43
S4.003	S26	15 Winter	30	+0%	100/15 Summer				11.603	-0.097	0.000	0.85
S4.004	S27	15 Winter	30	+0%	100/15 Summer				10.903	-0.137	0.000	0.77
S4.005	S28	15 Winter	30	+0%	30/15 Winter				10.658	0.058	0.000	0.60
S4.006	S29	15 Winter	30	+0%	30/15 Winter				10.534	0.019	0.000	0.69
S5.000	S30	30 Winter	30	+0%					14.285	-0.085	0.000	0.40
S5.001	S31	15 Winter	30	+0%	100/15 Summer				13.517	-0.111	0.000	0.45
S5.002	S32	15 Winter	30	+0%	30/15 Winter				13.141	0.006	0.000	0.94
S5.003	S33	15 Winter	30	+0%	100/15 Summer				12.731	-0.087	0.000	0.78
S5.004	S12	15 Winter	30	+0%	100/15 Summer				12.483	-0.102	0.000	0.73
S5.005	S34	15 Winter	30	+0%	100/30 Winter				12.243	-0.107	0.000	0.72
S5.006	S35	15 Winter	30	+0%					11.898	-0.201	0.000	0.24
S4.007	S30	15 Winter	30	+0%	30/15 Winter				10.426	0.019	0.000	0.72
S4.008	S31	15 Winter	30	+0%	30/15 Summer				10.271	0.084	0.000	0.97
S4.009	S32	15 Winter	30	+0%	5/15 Winter				10.157	0.152	0.000	1.67
S6.000	S33	30 Winter	30	+0%					9.593	-0.132	0.000	0.35
S6.001	S34	15 Winter	30	+0%	100/15 Summer				9.232	-0.086	0.000	0.81
S6.002	S35	15 Winter	30	+0%	100/15 Summer				9.082	-0.074	0.000	0.92
S4.010	S33	720 Winter	30	+0%	100/120 Summer				9.046	-0.071	0.000	0.04
S4.011	S34	720 Winter	30	+0%					8.599	-0.496	0.000	0.01
S7.000	S51	30 Winter	30	+0%					12.736	-0.084	0.000	0.41
S7.001	S45	15 Winter	30	+0%	100/15 Summer				11.755	-0.097	0.000	0.58
S7.002	S25	15 Winter	30	+0%	100/15 Summer				11.414	-0.103	0.000	0.55
S7.003	S46	15 Winter	30	+0%	100/15 Summer				11.139	-0.044	0.000	0.88
S7.004	S47	15 Winter	30	+0%	100/15 Summer				10.853	-0.011	0.000	1.00
S8.000	S48	30 Winter	30	+0%	100/15 Summer				14.133	-0.047	0.000	0.55
S8.001	S49	15 Winter	30	+0%	100/15 Summer				13.637	-0.053	0.000	0.85
S8.002	S29	15 Winter	30	+0%	100/15 Summer				13.400	-0.068	0.000	0.76
S8.003	S50	15 Winter	30	+0%	100/15 Summer				13.201	-0.046	0.000	0.92
S8.004	S51	15 Winter	30	+0%					12.860	-0.136	0.000	0.32

Sizewell Link road  
SLR-AB-24



Date 30/09/2021

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S4.000	S23		27.5	OK	
S4.001	S24		63.3	OK	
S4.002	S25		85.6	OK	
S4.003	S26		132.5	OK	
S4.004	S27		157.2	OK	
S4.005	S28		134.9	SURCHARGED	
S4.006	S29		128.0	SURCHARGED	
S5.000	S30		6.8	OK	
S5.001	S31		17.1	OK	
S5.002	S32		27.6	SURCHARGED	
S5.003	S33		48.0	OK	
S5.004	S12		45.0	OK	
S5.005	S34		47.2	OK	
S5.006	S35		48.6	OK	
S4.007	S30		177.8	SURCHARGED	
S4.008	S31		179.0	SURCHARGED	
S4.009	S32		179.0	SURCHARGED	
S6.000	S33		13.8	OK	
S6.001	S34		48.8	OK	
S6.002	S35		47.6	OK	
S4.010	S33		5.0	OK	
S4.011	S34		5.0	OK	
S7.000	S51		7.0	OK	
S7.001	S45		21.8	OK	
S7.002	S25		20.7	OK	
S7.003	S46		25.7	OK	
S7.004	S47		23.1	OK	
S8.000	S48		3.2	OK	
S8.001	S49		24.6	OK	
S8.002	S29		22.2	OK	
S8.003	S50		26.9	OK	
S8.004	S51		30.5	OK	



Sizewell Link road  
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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)
S7.005	S48	15 Winter	30	+0%					10.736	-0.107	0.000
S9.000	S49	30 Winter	30	+0%	100/15 Winter				9.159	-0.041	0.000
S4.012	S35	5760 Winter	30	+0%	100/1440 Winter				8.349	-0.048	0.000
S4.013	S36	5760 Winter	30	+0%	30/4320 Winter				8.346	0.020	0.000
S4.014	S37	5760 Winter	30	+0%	100/2880 Winter				8.346	-0.179	0.000
S10.000	S57	30 Winter	30	+0%	100/15 Summer	100/30 Winter			14.065	-0.035	0.000
S10.001	S58	30 Winter	30	+0%	30/15 Summer	100/30 Winter			10.792	0.170	0.000
S4.015	S38	5760 Winter	30	+0%	100/5760 Winter				8.216	-0.072	0.000
S11.000	S57	30 Winter	30	+0%	100/15 Summer				9.990	-0.070	0.000
S11.001	S55	15 Winter	30	+0%	30/15 Winter				9.759	0.000	0.000
S11.002	S56	15 Winter	30	+0%					8.887	-0.113	0.000
S4.016	S54	5760 Winter	30	+0%	100/2880 Winter				8.216	-0.057	0.000
S12.000	S60	30 Winter	30	+0%	100/15 Summer				9.866	-0.074	0.000
S12.001	S58	15 Winter	30	+0%	100/15 Summer				9.621	-0.037	0.000
S12.002	S60	5760 Winter	30	+0%	100/15 Winter				8.215	-0.045	0.000
S13.000	S67	30 Winter	30	+0%					12.900	-0.176	0.000
S13.001	S47	30 Winter	30	+0%					9.492	-0.134	0.000
S4.017	S58	5760 Winter	30	+0%	2/1440 Winter				8.215	0.238	0.000
S4.018	S39	5760 Winter	30	+0%	2/1440 Summer				8.215	0.266	0.000
S4.019	S40	5760 Winter	30	+0%	2/960 Summer				8.100	0.226	0.000
S4.020	S41	2880 Summer	30	+0%	2/960 Summer				8.100	0.256	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S7.005	S48	0.53		56.1	OK	
S9.000	S49	0.65		4.6	OK	
S4.012	S35	0.03		6.5	OK	
S4.013	S36	0.03		6.4	SURCHARGED	
S4.014	S37	0.01		3.6	OK	
S10.000	S57	0.74		8.6	OK	1
S10.001	S58	1.11		10.4	SURCHARGED	1
S4.015	S38	0.02		3.9	OK	
S11.000	S57	0.55		7.2	OK	
S11.001	S55	0.99		18.6	SURCHARGED	
S11.002	S56	0.49		22.8	OK	
S4.016	S54	0.01		4.4	OK	
S12.000	S60	0.51		6.7	OK	
S12.001	S58	0.88		22.2	OK	
S12.002	S60	0.01		0.7	OK	
S13.000	S67	0.11		12.1	OK	
S13.001	S47	0.34		12.1	OK	
S4.017	S58	0.03		5.4	SURCHARGED	
S4.018	S39	0.02		4.9	SURCHARGED	
S4.019	S40	0.43		74.5	SURCHARGED	
S4.020	S41	0.01		1.9	SURCHARGED	

Sizewell Link road  
SLR-AB-24



Date 30/09/2021

Designed by Dan James

File SLR-AB-24 surcharged.MDX

Checked by Chris Uzzel

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
 Number of Online Controls 4 Number of Storage Structures 3 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
 FEH Rainfall Version 2013 Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status OFF  
 DVD Status ON  
 Inertia Status ON

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
 2160, 2880, 4320, 5760  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S4.000	S23	30 Winter	100	+40%					13.258	-0.097	0.000	0.78
S4.001	S24	15 Winter	100	+40%	100/15 Summer				13.069	0.071	0.000	1.07
S4.002	S25	15 Winter	100	+40%					12.690	-0.040	0.000	0.65
S4.003	S26	30 Winter	100	+40%	100/15 Summer				12.356	0.656	0.000	1.10
S4.004	S27	30 Winter	100	+40%	100/15 Summer				11.677	0.637	0.000	0.94
S4.005	S28	30 Winter	100	+40%	30/15 Winter				11.278	0.678	0.000	0.89
S4.006	S29	30 Winter	100	+40%	30/15 Winter				11.143	0.628	0.000	1.08
S5.000	S30	30 Winter	100	+40%					14.314	-0.056	0.000	0.71
S5.001	S31	15 Winter	100	+40%	100/15 Summer				13.886	0.258	0.000	0.69
S5.002	S32	15 Winter	100	+40%	30/15 Winter				13.681	0.545	0.000	1.40
S5.003	S33	15 Winter	100	+40%	100/15 Summer				12.932	0.114	0.000	1.18
S5.004	S12	15 Winter	100	+40%	100/15 Summer				12.614	0.030	0.000	1.06
S5.005	S34	30 Winter	100	+40%	100/30 Winter				12.352	0.002	0.000	1.03
S5.006	S35	30 Winter	100	+40%					11.920	-0.179	0.000	0.34
S4.007	S30	30 Winter	100	+40%	30/15 Winter				11.017	0.610	0.000	1.14
S4.008	S31	30 Winter	100	+40%	30/15 Summer				10.726	0.539	0.000	1.53
S4.009	S32	30 Winter	100	+40%	5/15 Winter				10.474	0.469	0.000	2.64
S6.000	S33	30 Winter	100	+40%					9.632	-0.093	0.000	0.65
S6.001	S34	1440 Winter	100	+40%	100/15 Summer				9.512	0.194	0.000	0.12
S6.002	S35	1440 Winter	100	+40%	100/15 Summer				9.510	0.354	0.000	0.14
S4.010	S33	1440 Winter	100	+40%	100/120 Summer				9.510	0.393	0.000	0.04
S4.011	S34	5760 Winter	100	+40%					8.628	-0.467	0.000	0.01
S7.000	S51	30 Winter	100	+40%					12.766	-0.054	0.000	0.73
S7.001	S45	15 Winter	100	+40%	100/15 Summer				11.892	0.040	0.000	0.99
S7.002	S25	15 Winter	100	+40%	100/15 Summer				11.665	0.148	0.000	0.80
S7.003	S46	15 Winter	100	+40%	100/15 Summer				11.452	0.269	0.000	1.26
S7.004	S47	15 Winter	100	+40%	100/15 Summer				10.900	0.036	0.000	1.60
S8.000	S48	15 Winter	100	+40%	100/15 Summer				14.298	0.118	0.000	1.05
S8.001	S49	15 Winter	100	+40%	100/15 Summer				14.044	0.354	0.000	1.42
S8.002	S29	15 Winter	100	+40%	100/15 Summer				13.771	0.302	0.000	1.11
S8.003	S50	15 Winter	100	+40%	100/15 Summer				13.444	0.197	0.000	1.30
S8.004	S51	15 Winter	100	+40%					12.880	-0.116	0.000	0.46

Sizewell Link road  
SLR-AB-24



Date 30/09/2021

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S4.000	S23		49.9	OK	
S4.001	S24		105.9	SURCHARGED	
S4.002	S25		129.0	OK	
S4.003	S26		172.9	SURCHARGED	
S4.004	S27		192.5	SURCHARGED	
S4.005	S28		199.3	SURCHARGED	
S4.006	S29		199.6	FLOOD RISK	
S5.000	S30		12.3	OK	
S5.001	S31		26.3	SURCHARGED	
S5.002	S32		41.0	SURCHARGED	
S5.003	S33		72.4	SURCHARGED	
S5.004	S12		65.2	SURCHARGED	
S5.005	S34		66.9	SURCHARGED	
S5.006	S35		70.2	OK	
S4.007	S30		283.5	FLOOD RISK	
S4.008	S31		283.4	FLOOD RISK	
S4.009	S32		283.1	FLOOD RISK	
S6.000	S33		25.1	OK	
S6.001	S34		7.0	SURCHARGED	
S6.002	S35		7.0	SURCHARGED	
S4.010	S33		5.0	SURCHARGED	
S4.011	S34		5.0	OK	
S7.000	S51		12.6	OK	
S7.001	S45		37.4	SURCHARGED	
S7.002	S25		30.4	SURCHARGED	
S7.003	S46		36.9	SURCHARGED	
S7.004	S47		36.8	SURCHARGED	
S8.000	S48		6.2	SURCHARGED	
S8.001	S49		41.2	SURCHARGED	
S8.002	S29		32.1	SURCHARGED	
S8.003	S50		37.9	SURCHARGED	
S8.004	S51		43.7	OK	

Sizewell Link road  
SLR-AB-24



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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-24

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)
S7.005	S48	30 Winter	100	+40%					10.772	-0.071	0.000
S9.000	S49	30 Winter	100	+40%	100/15 Winter				9.352	0.152	0.000
S4.012	S35	5760 Winter	100	+40%	100/1440 Winter				8.610	0.214	0.000
S4.013	S36	5760 Winter	100	+40%	30/4320 Winter				8.609	0.283	0.000
S4.014	S37	5760 Winter	100	+40%	100/2880 Winter				8.609	0.084	0.000
S10.000	S57	30 Winter	100	+40%	100/15 Summer	100/30 Winter			15.100	1.000	0.333
S10.001	S58	30 Winter	100	+40%	30/15 Summer	100/30 Winter			11.622	1.000	0.089
S4.015	S38	5760 Winter	100	+40%	100/5760 Winter				8.299	0.011	0.000
S11.000	S57	15 Winter	100	+40%	100/15 Summer				10.593	0.533	0.000
S11.001	S55	15 Winter	100	+40%	30/15 Winter				10.434	0.676	0.000
S11.002	S56	15 Winter	100	+40%					8.912	-0.088	0.000
S4.016	S54	5760 Winter	100	+40%	100/2880 Winter				8.299	0.026	0.000
S12.000	S60	15 Winter	100	+40%	100/15 Summer				10.373	0.433	0.000
S12.001	S58	15 Winter	100	+40%	100/15 Summer				10.250	0.592	0.000
S12.002	S60	5760 Winter	100	+40%	100/15 Winter				8.298	0.038	0.000
S13.000	S67	30 Winter	100	+40%					12.918	-0.158	0.000
S13.001	S47	30 Winter	100	+40%					9.530	-0.096	0.000
S4.017	S58	5760 Winter	100	+40%	2/1440 Winter				8.298	0.321	0.000
S4.018	S39	5760 Winter	100	+40%	2/1440 Summer				8.297	0.348	0.000
S4.019	S40	5760 Winter	100	+40%	2/960 Summer				8.102	0.227	0.000
S4.020	S41	5760 Winter	100	+40%	2/960 Summer				8.101	0.258	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S7.005	S48	0.80		84.0	OK	
S9.000	S49	1.09		7.7	SURCHARGED	
S4.012	S35	0.03		8.3	SURCHARGED	
S4.013	S36	0.03		8.2	SURCHARGED	
S4.014	S37	0.01		4.1	SURCHARGED	
S10.000	S57	1.02		11.9	FLOOD	1
S10.001	S58	1.53		14.4	FLOOD	1
S4.015	S38	0.02		4.1	SURCHARGED	
S11.000	S57	1.13		14.7	SURCHARGED	
S11.001	S55	1.34		25.0	SURCHARGED	
S11.002	S56	0.67		31.4	OK	
S4.016	S54	0.01		4.8	SURCHARGED	
S12.000	S60	1.10		14.4	SURCHARGED	
S12.001	S58	1.17		29.7	SURCHARGED	
S12.002	S60	0.03		1.3	SURCHARGED	
S13.000	S67	0.19		22.1	OK	
S13.001	S47	0.62		22.1	OK	
S4.017	S58	0.04		6.4	SURCHARGED	
S4.018	S39	0.02		4.9	SURCHARGED	
S4.019	S40	0.43		74.6	SURCHARGED	
S4.020	S41	0.25		68.6	SURCHARGED	



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Time Area Diagram for AB-25

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.243	4-8	0.652	8-12	0.101	12-16	0.059	16-20	0.057	20-24	0.009

Total Area Contributing (ha) = 1.121

Total Pipe Volume (m<sup>3</sup>) = 34.077



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### Existing Network Details for AB-25

# - Indicates pipe length does not match coordinates

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type
S3.000	97.382	1.180	82.5	0.098	15.00	0.0	0.600	o	150	Pipe/Conduit
S3.001	101.241	2.780	36.4	0.080	0.00	0.0	0.600	o	225	Pipe/Conduit
S3.002	13.247	0.050	264.9	0.009	0.00	0.0	0.600	o	300	Pipe/Conduit
S4.000	98.492	1.160	84.9	0.108	15.00	0.0	0.600	o	225	Pipe/Conduit
S4.001	100.342	2.831	35.4	0.079	0.00	0.0	0.600	o	225	Pipe/Conduit
S3.003	13.372	0.050	267.4	0.011	0.00	0.0	0.600	o	375	Pipe/Conduit
S3.004	19.316	0.010	1931.6	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit
S5.000	50.064	1.000	50.1	0.077	5.00	0.0	0.600	o	225	Pipe/Conduit
S5.001	51.838	0.345	150.3	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit
S3.005	26.447	0.010	2644.7	0.317	0.00	0.0	0.600	o	375	Pipe/Conduit
S6.000	30.364	0.020	1518.2	0.045	5.00	0.0	0.600	o	150	Pipe/Conduit
S3.006	15.640	0.010	1564.0	0.068	0.00	0.0	0.600	o	375	Pipe/Conduit
S3.007	5.000#	0.020	250.0	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit
S7.000	80.008	0.680	117.7	0.015	15.00	0.0	0.600	o	150	Pipe/Conduit
S7.001	28.527	0.050	570.5	0.086	0.00	0.0	0.600	o	150	Pipe/Conduit
S7.002	5.000#	0.025	200.0	0.003	0.00	0.0	0.600	o	150	Pipe/Conduit
S8.000	19.260	0.025	770.4	0.063	5.00	0.0	0.600	o	150	Pipe/Conduit
S8.001	49.297	0.050	985.9	0.063	0.00	0.0	0.600	o	150	Pipe/Conduit

### Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S3.000	10.010	0.098	0.0	1.11	19.6
S3.001	8.755	0.178	0.0	2.17	86.5
S3.002	5.900	0.187	0.0	0.96	67.9
S4.000	9.935	0.108	0.0	1.42	56.5
S4.001	8.775	0.187	0.0	2.20	87.7
S3.003	5.850	0.385	0.0	1.10	121.8
S3.004	5.800	0.385	0.0	0.40	44.5
S5.000	7.135	0.077	0.0	1.85	73.7
S5.001	6.135	0.077	0.0	1.06	42.3
S3.005	5.790	0.779	0.0	0.34	37.9
S6.000	5.800	0.045	0.0	0.25	4.4
S3.006	5.780	0.892	0.0	0.45	49.6
S3.007	5.770	0.892	0.0	1.14	126.1
S7.000	6.580	0.015	0.0	0.93	16.4
S7.001	5.900	0.101	0.0	0.41	7.3
S7.002	5.850	0.104	0.0	0.71	12.5
S8.000	5.825	0.063	0.0	0.35	6.3
S8.001	5.800	0.126	0.0	0.31	5.5



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Existing Network Details for AB-25

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type
S3.008	25.996	0.050	519.9	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit

Network Results Table

PN	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S3.008	5.750	1.121	0.0	0.79	87.0





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Manhole Schedules for AB-25

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S1	11.360	1.350	Open Manhole	1200	S3.000	10.010	150				
S2	10.180	1.425	Open Manhole	1200	S3.001	8.755	225	S3.000	8.830	150	
S3	7.400	1.500	Open Manhole	1200	S3.002	5.900	300	S3.001	5.975	225	
S4	11.360	1.425	Open Manhole	1200	S4.000	9.935	225				
S5	10.200	1.425	Open Manhole	1200	S4.001	8.775	225	S4.000	8.775	225	
S4	7.400	1.550	Open Manhole	1350	S3.003	5.850	375	S3.002	5.850	300	
								S4.001	5.944	225	
S5	9.400	3.600	Open Manhole	1350	S3.004	5.800	375	S3.003	5.800	375	
S16	8.560	1.425	Open Manhole	1200	S5.000	7.135	225				
S17	7.560	1.425	Open Manhole	1200	S5.001	6.135	225	S5.000	6.135	225	
S6	8.340	2.550	Open Manhole	1500	S3.005	5.790	375	S3.004	5.790	375	
								S5.001	5.790	225	
S11	6.900	1.100	Open Manhole	1200	S6.000	5.800	150				
S11	7.300	1.520	Open Manhole	1200	S3.006	5.780	375	S3.005	5.780	375	
								S6.000	5.780	150	
S13	7.300	1.530	Open Manhole	1200	S3.007	5.770	375	S3.006	5.770	375	
S20	7.880	1.300	Open Manhole	1200	S7.000	6.580	150				
S21	7.700	1.800	Open Manhole	1200	S7.001	5.900	150	S7.000	5.900	150	
S8	7.200	1.350	Open Manhole	1500	S7.002	5.850	150	S7.001	5.850	150	
S14	6.700	0.875	Open Manhole	1200	S8.000	5.825	150				
S15	6.700	0.900	Open Manhole	1200	S8.001	5.800	150	S8.000	5.800	150	
S12	7.200	1.450	Open Manhole	1200	S3.008	5.750	375	S3.007	5.750	375	
								S7.002	5.825	150	
								S8.001	5.750	150	
S9	6.320	0.620	Open Manhole	1200		OUTFALL		S3.008	5.700	375	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S1	642998.564	266684.652	642998.564	266684.652	Required	
S2	643092.095	266657.535	643092.095	266657.535	Required	
S3	643189.424	266629.665	643189.424	266629.665	Required	
S4	642994.483	266672.162	642994.483	266672.162	Required	
S5	643089.150	266644.980	643089.150	266644.980	Required	
S4	643185.515	266617.007	643185.515	266617.007	Required	
S5	643181.792	266604.164	643181.792	266604.164	Required	



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Manhole Schedules for AB-25

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S16	643153.578	266492.150	643153.578	266492.150	Required	
S17	643171.936	266538.726	643171.936	266538.726	Required	
S6	643190.727	266587.039	643190.727	266587.039	Required	
S11	643223.538	266603.233	643223.538	266603.233	Required	
S11	643213.967	266574.417	643213.967	266574.417	Required	
S13	643227.789	266567.098	643227.789	266567.098	Required	
S20	643169.466	266473.773	643169.466	266473.773	Required	
S21	643214.633	266539.812	643214.633	266539.812	Required	
S8	643227.774	266565.131	643227.774	266565.131	Required	
S14	643228.266	266620.522	643228.266	266620.522	Required	
S15	643245.924	266612.832	643245.924	266612.832	Required	
S12	643228.606	266566.677	643228.606	266566.677	Required	
S9	643248.574	266550.032			No Entry	



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PIPELINE SCHEDULES for AB-25

Upstream Manhole

# - Indicates pipe length does not match coordinates

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S3.000	o	150	S1	11.360	10.010	1.200	Open Manhole	1200
S3.001	o	225	S2	10.180	8.755	1.200	Open Manhole	1200
S3.002	o	300	S3	7.400	5.900	1.200	Open Manhole	1200
S4.000	o	225	S4	11.360	9.935	1.200	Open Manhole	1200
S4.001	o	225	S5	10.200	8.775	1.200	Open Manhole	1200
S3.003	o	375	S4	7.400	5.850	1.175	Open Manhole	1350
S3.004	o	375	S5	9.400	5.800	3.225	Open Manhole	1350
S5.000	o	225	S16	8.560	7.135	1.200	Open Manhole	1200
S5.001	o	225	S17	7.560	6.135	1.200	Open Manhole	1200
S3.005	o	375	S6	8.340	5.790	2.175	Open Manhole	1500
S6.000	o	150	S11	6.900	5.800	0.950	Open Manhole	1200
S3.006	o	375	S11	7.300	5.780	1.145	Open Manhole	1200
S3.007	o	375	S13	7.300	5.770	1.155	Open Manhole	1200
S7.000	o	150	S20	7.880	6.580	1.150	Open Manhole	1200
S7.001	o	150	S21	7.700	5.900	1.650	Open Manhole	1200
S7.002	o	150	S8	7.200	5.850	1.200	Open Manhole	1500
S8.000	o	150	S14	6.700	5.825	0.725	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S3.000	97.382	82.5	S2	10.180	8.830	1.200	Open Manhole	1200
S3.001	101.241	36.4	S3	7.400	5.975	1.200	Open Manhole	1200
S3.002	13.247	264.9	S4	7.400	5.850	1.250	Open Manhole	1350
S4.000	98.492	84.9	S5	10.200	8.775	1.200	Open Manhole	1200
S4.001	100.342	35.4	S4	7.400	5.944	1.231	Open Manhole	1350
S3.003	13.372	267.4	S5	9.400	5.800	3.225	Open Manhole	1350
S3.004	19.316	1931.6	S6	8.340	5.790	2.175	Open Manhole	1500
S5.000	50.064	50.1	S17	7.560	6.135	1.200	Open Manhole	1200
S5.001	51.838	150.3	S6	8.340	5.790	2.325	Open Manhole	1500
S3.005	26.447	2644.7	S11	7.300	5.780	1.145	Open Manhole	1200
S6.000	30.364	1518.2	S11	7.300	5.780	1.370	Open Manhole	1200
S3.006	15.640	1564.0	S13	7.300	5.770	1.155	Open Manhole	1200
S3.007	5.000#	250.0	S12	7.200	5.750	1.075	Open Manhole	1200
S7.000	80.008	117.7	S21	7.700	5.900	1.650	Open Manhole	1200
S7.001	28.527	570.5	S8	7.200	5.850	1.200	Open Manhole	1500
S7.002	5.000#	200.0	S12	7.200	5.825	1.225	Open Manhole	1200
S8.000	19.260	770.4	S15	6.700	5.800	0.750	Open Manhole	1200



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PIPELINE SCHEDULES for AB-25

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S8.001	o	150	S15	6.700	5.800	0.750	Open Manhole	1200
S3.008	o	375	S12	7.200	5.750	1.075	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S8.001	49.297	985.9	S12	7.200	5.750	1.300	Open Manhole	1200
S3.008	25.996	519.9	S9	6.320	5.700	0.245	Open Manhole	1200



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Area Summary for AB-25

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
3.000	User	-	100	0.055	0.055	0.055
	User	-	25	0.173	0.043	0.098
3.001	User	-	100	0.047	0.047	0.047
	User	-	25	0.135	0.034	0.080
3.002	User	-	25	0.035	0.009	0.009
4.000	User	-	100	0.053	0.053	0.053
	User	-	25	0.219	0.055	0.108
4.001	User	-	100	0.043	0.043	0.043
	User	-	25	0.144	0.036	0.079
3.003	User	-	25	0.042	0.011	0.011
3.004	-	-	100	0.000	0.000	0.000
5.000	User	-	25	0.083	0.021	0.021
	User	-	25	0.018	0.004	0.025
	User	-	100	0.018	0.018	0.043
	User	-	100	0.034	0.034	0.077
5.001	-	-	100	0.000	0.000	0.000
3.005	User	-	50	0.633	0.317	0.317
6.000	User	-	100	0.045	0.045	0.045
3.006	User	-	25	0.146	0.037	0.037
	User	-	100	0.031	0.031	0.068
3.007	-	-	100	0.000	0.000	0.000
7.000	User	-	25	0.060	0.015	0.015
7.001	User	-	100	0.058	0.058	0.058
	User	-	25	0.006	0.001	0.059
	User	-	100	0.027	0.027	0.086
7.002	User	-	25	0.010	0.003	0.003
8.000	User	-	25	0.051	0.013	0.013
	User	-	100	0.050	0.050	0.063
8.001	User	-	25	0.038	0.010	0.010
	User	-	100	0.053	0.053	0.063
3.008	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				2.308	1.121	1.121



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Network Classifications for AB-25

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S3.000	S1	150	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S3.001	S2	225	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S3.002	S3	300	1.200	1.250	Unclassified	1200	0	1.200	Unclassified
S4.000	S4	225	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S4.001	S5	225	1.200	1.231	Unclassified	1200	0	1.200	Unclassified
S3.003	S4	375	1.175	3.225	Unclassified	1350	0	1.175	Unclassified
S3.004	S5	375	2.175	3.225	Unclassified	1350	0	3.225	Unclassified
S5.000	S16	225	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S5.001	S17	225	1.200	2.325	Unclassified	1200	0	1.200	Unclassified
S3.005	S6	375	1.145	2.175	Unclassified	1500	0	2.175	Unclassified
S6.000	S11	150	0.950	1.370	Unclassified	1200	0	0.950	Unclassified
S3.006	S11	375	1.145	1.155	Unclassified	1200	0	1.145	Unclassified
S3.007	S13	375	1.075	1.155	Unclassified	1200	0	1.155	Unclassified
S7.000	S20	150	1.150	1.650	Unclassified	1200	0	1.150	Unclassified
S7.001	S21	150	1.200	1.650	Unclassified	1200	0	1.650	Unclassified
S7.002	S8	150	1.200	1.225	Unclassified	1500	0	1.200	Unclassified
S8.000	S14	150	0.725	0.750	Unclassified	1200	0	0.725	Unclassified
S8.001	S15	150	0.750	1.300	Unclassified	1200	0	0.750	Unclassified
S3.008	S12	375	0.245	1.075	Unclassified	1200	0	1.075	Unclassified

Surcharged Outfall Details for AB-25

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
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S3.008 S9 6.320 5.700 5.700 1200 0

Datum (m) 0.000 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1	6.100	27	6.100	53	6.100	79	6.100	105	6.100	131	6.100	157	6.100	183	6.100
2	6.100	28	6.100	54	6.100	80	6.100	106	6.100	132	6.100	158	6.100	184	6.100
3	6.100	29	6.100	55	6.100	81	6.100	107	6.100	133	6.100	159	6.100	185	6.100
4	6.100	30	6.100	56	6.100	82	6.100	108	6.100	134	6.100	160	6.100	186	6.100
5	6.100	31	6.100	57	6.100	83	6.100	109	6.100	135	6.100	161	6.100	187	6.100
6	6.100	32	6.100	58	6.100	84	6.100	110	6.100	136	6.100	162	6.100	188	6.100
7	6.100	33	6.100	59	6.100	85	6.100	111	6.100	137	6.100	163	6.100	189	6.100
8	6.100	34	6.100	60	6.100	86	6.100	112	6.100	138	6.100	164	6.100	190	6.100
9	6.100	35	6.100	61	6.100	87	6.100	113	6.100	139	6.100	165	6.100	191	6.100
10	6.100	36	6.100	62	6.100	88	6.100	114	6.100	140	6.100	166	6.100	192	6.100
11	6.100	37	6.100	63	6.100	89	6.100	115	6.100	141	6.100	167	6.100	193	6.100
12	6.100	38	6.100	64	6.100	90	6.100	116	6.100	142	6.100	168	6.100	194	6.100
13	6.100	39	6.100	65	6.100	91	6.100	117	6.100	143	6.100	169	6.100	195	6.100
14	6.100	40	6.100	66	6.100	92	6.100	118	6.100	144	6.100	170	6.100	196	6.100
15	6.100	41	6.100	67	6.100	93	6.100	119	6.100	145	6.100	171	6.100	197	6.100
16	6.100	42	6.100	68	6.100	94	6.100	120	6.100	146	6.100	172	6.100	198	6.100
17	6.100	43	6.100	69	6.100	95	6.100	121	6.100	147	6.100	173	6.100	199	6.100
18	6.100	44	6.100	70	6.100	96	6.100	122	6.100	148	6.100	174	6.100	200	6.100
19	6.100	45	6.100	71	6.100	97	6.100	123	6.100	149	6.100	175	6.100	201	6.100
20	6.100	46	6.100	72	6.100	98	6.100	124	6.100	150	6.100	176	6.100	202	6.100
21	6.100	47	6.100	73	6.100	99	6.100	125	6.100	151	6.100	177	6.100	203	6.100
22	6.100	48	6.100	74	6.100	100	6.100	126	6.100	152	6.100	178	6.100	204	6.100
23	6.100	49	6.100	75	6.100	101	6.100	127	6.100	153	6.100	179	6.100	205	6.100
24	6.100	50	6.100	76	6.100	102	6.100	128	6.100	154	6.100	180	6.100	206	6.100
25	6.100	51	6.100	77	6.100	103	6.100	129	6.100	155	6.100	181	6.100	207	6.100
26	6.100	52	6.100	78	6.100	104	6.100	130	6.100	156	6.100	182	6.100	208	6.100



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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
235	6.100	297	6.100	359	6.100	421	6.100	483	6.100	545	6.100	607	6.100	669	6.100
236	6.100	298	6.100	360	6.100	422	6.100	484	6.100	546	6.100	608	6.100	670	6.100
237	6.100	299	6.100	361	6.100	423	6.100	485	6.100	547	6.100	609	6.100	671	6.100
238	6.100	300	6.100	362	6.100	424	6.100	486	6.100	548	6.100	610	6.100	672	6.100
239	6.100	301	6.100	363	6.100	425	6.100	487	6.100	549	6.100	611	6.100	673	6.100
240	6.100	302	6.100	364	6.100	426	6.100	488	6.100	550	6.100	612	6.100	674	6.100
241	6.100	303	6.100	365	6.100	427	6.100	489	6.100	551	6.100	613	6.100	675	6.100
242	6.100	304	6.100	366	6.100	428	6.100	490	6.100	552	6.100	614	6.100	676	6.100
243	6.100	305	6.100	367	6.100	429	6.100	491	6.100	553	6.100	615	6.100	677	6.100
244	6.100	306	6.100	368	6.100	430	6.100	492	6.100	554	6.100	616	6.100	678	6.100
245	6.100	307	6.100	369	6.100	431	6.100	493	6.100	555	6.100	617	6.100	679	6.100
246	6.100	308	6.100	370	6.100	432	6.100	494	6.100	556	6.100	618	6.100	680	6.100
247	6.100	309	6.100	371	6.100	433	6.100	495	6.100	557	6.100	619	6.100	681	6.100
248	6.100	310	6.100	372	6.100	434	6.100	496	6.100	558	6.100	620	6.100	682	6.100
249	6.100	311	6.100	373	6.100	435	6.100	497	6.100	559	6.100	621	6.100	683	6.100
250	6.100	312	6.100	374	6.100	436	6.100	498	6.100	560	6.100	622	6.100	684	6.100
251	6.100	313	6.100	375	6.100	437	6.100	499	6.100	561	6.100	623	6.100	685	6.100
252	6.100	314	6.100	376	6.100	438	6.100	500	6.100	562	6.100	624	6.100	686	6.100
253	6.100	315	6.100	377	6.100	439	6.100	501	6.100	563	6.100	625	6.100	687	6.100
254	6.100	316	6.100	378	6.100	440	6.100	502	6.100	564	6.100	626	6.100	688	6.100
255	6.100	317	6.100	379	6.100	441	6.100	503	6.100	565	6.100	627	6.100	689	6.100
256	6.100	318	6.100	380	6.100	442	6.100	504	6.100	566	6.100	628	6.100	690	6.100
257	6.100	319	6.100	381	6.100	443	6.100	505	6.100	567	6.100	629	6.100	691	6.100
258	6.100	320	6.100	382	6.100	444	6.100	506	6.100	568	6.100	630	6.100	692	6.100
259	6.100	321	6.100	383	6.100	445	6.100	507	6.100	569	6.100	631	6.100	693	6.100
260	6.100	322	6.100	384	6.100	446	6.100	508	6.100	570	6.100	632	6.100	694	6.100
261	6.100	323	6.100	385	6.100	447	6.100	509	6.100	571	6.100	633	6.100	695	6.100
262	6.100	324	6.100	386	6.100	448	6.100	510	6.100	572	6.100	634	6.100	696	6.100
263	6.100	325	6.100	387	6.100	449	6.100	511	6.100	573	6.100	635	6.100	697	6.100
264	6.100	326	6.100	388	6.100	450	6.100	512	6.100	574	6.100	636	6.100	698	6.100
265	6.100	327	6.100	389	6.100	451	6.100	513	6.100	575	6.100	637	6.100	699	6.100
266	6.100	328	6.100	390	6.100	452	6.100	514	6.100	576	6.100	638	6.100	700	6.100
267	6.100	329	6.100	391	6.100	453	6.100	515	6.100	577	6.100	639	6.100	701	6.100
268	6.100	330	6.100	392	6.100	454	6.100	516	6.100	578	6.100	640	6.100	702	6.100
269	6.100	331	6.100	393	6.100	455	6.100	517	6.100	579	6.100	641	6.100	703	6.100
270	6.100	332	6.100	394	6.100	456	6.100	518	6.100	580	6.100	642	6.100	704	6.100
271	6.100	333	6.100	395	6.100	457	6.100	519	6.100	581	6.100	643	6.100	705	6.100
272	6.100	334	6.100	396	6.100	458	6.100	520	6.100	582	6.100	644	6.100	706	6.100
273	6.100	335	6.100	397	6.100	459	6.100	521	6.100	583	6.100	645	6.100	707	6.100
274	6.100	336	6.100	398	6.100	460	6.100	522	6.100	584	6.100	646	6.100	708	6.100
275	6.100	337	6.100	399	6.100	461	6.100	523	6.100	585	6.100	647	6.100	709	6.100
276	6.100	338	6.100	400	6.100	462	6.100	524	6.100	586	6.100	648	6.100	710	6.100
277	6.100	339	6.100	401	6.100	463	6.100	525	6.100	587	6.100	649	6.100	711	6.100
278	6.100	340	6.100	402	6.100	464	6.100	526	6.100	588	6.100	650	6.100	712	6.100
279	6.100	341	6.100	403	6.100	465	6.100	527	6.100	589	6.100	651	6.100	713	6.100
280	6.100	342	6.100	404	6.100	466	6.100	528	6.100	590	6.100	652	6.100	714	6.100
281	6.100	343	6.100	405	6.100	467	6.100	529	6.100	591	6.100	653	6.100	715	6.100
282	6.100	344	6.100	406	6.100	468	6.100	530	6.100	592	6.100	654	6.100	716	6.100
283	6.100	345	6.100	407	6.100	469	6.100	531	6.100	593	6.100	655	6.100	717	6.100
284	6.100	346	6.100	408	6.100	470	6.100	532	6.100	594	6.100	656	6.100	718	6.100
285	6.100	347	6.100	409	6.100	471	6.100	533	6.100	595	6.100	657	6.100	719	6.100
286	6.100	348	6.100	410	6.100	472	6.100	534	6.100	596	6.100	658	6.100	720	6.100
287	6.100	349	6.100	411	6.100	473	6.100	535	6.100	597	6.100	659	6.100	721	6.100
288	6.100	350	6.100	412	6.100	474	6.100	536	6.100	598	6.100	660	6.100	722	6.100
289	6.100	351	6.100	413	6.100	475	6.100	537	6.100	599	6.100	661	6.100	723	6.100
290	6.100	352	6.100	414	6.100	476	6.100	538	6.100	600	6.100	662	6.100	724	6.100
291	6.100	353	6.100	415	6.100	477	6.100	539	6.100	601	6.100	663	6.100	725	6.100
292	6.100	354	6.100	416	6.100	478	6.100	540	6.100	602	6.100	664	6.100	726	6.100
293	6.100	355	6.100	417	6.100	479	6.100	541	6.100	603	6.100	665	6.100	727	6.100
294	6.100	356	6.100	418	6.100	480	6.100	542	6.100	604	6.100	666	6.100	728	6.100
295	6.100	357	6.100	419	6.100	481	6.100	543	6.100	605	6.100	667	6.100	729	6.100
296	6.100	358	6.100	420	6.100	482	6.100	544	6.100	606	6.100	668	6.100	730	6.100





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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
793	6.100	855	6.100	917	6.100	979	6.100	1041	6.100	1103	6.100	1165	6.100	1227	6.100
794	6.100	856	6.100	918	6.100	980	6.100	1042	6.100	1104	6.100	1166	6.100	1228	6.100
795	6.100	857	6.100	919	6.100	981	6.100	1043	6.100	1105	6.100	1167	6.100	1229	6.100
796	6.100	858	6.100	920	6.100	982	6.100	1044	6.100	1106	6.100	1168	6.100	1230	6.100
797	6.100	859	6.100	921	6.100	983	6.100	1045	6.100	1107	6.100	1169	6.100	1231	6.100
798	6.100	860	6.100	922	6.100	984	6.100	1046	6.100	1108	6.100	1170	6.100	1232	6.100
799	6.100	861	6.100	923	6.100	985	6.100	1047	6.100	1109	6.100	1171	6.100	1233	6.100
800	6.100	862	6.100	924	6.100	986	6.100	1048	6.100	1110	6.100	1172	6.100	1234	6.100
801	6.100	863	6.100	925	6.100	987	6.100	1049	6.100	1111	6.100	1173	6.100	1235	6.100
802	6.100	864	6.100	926	6.100	988	6.100	1050	6.100	1112	6.100	1174	6.100	1236	6.100
803	6.100	865	6.100	927	6.100	989	6.100	1051	6.100	1113	6.100	1175	6.100	1237	6.100
804	6.100	866	6.100	928	6.100	990	6.100	1052	6.100	1114	6.100	1176	6.100	1238	6.100
805	6.100	867	6.100	929	6.100	991	6.100	1053	6.100	1115	6.100	1177	6.100	1239	6.100
806	6.100	868	6.100	930	6.100	992	6.100	1054	6.100	1116	6.100	1178	6.100	1240	6.100
807	6.100	869	6.100	931	6.100	993	6.100	1055	6.100	1117	6.100	1179	6.100	1241	6.100
808	6.100	870	6.100	932	6.100	994	6.100	1056	6.100	1118	6.100	1180	6.100	1242	6.100
809	6.100	871	6.100	933	6.100	995	6.100	1057	6.100	1119	6.100	1181	6.100	1243	6.100
810	6.100	872	6.100	934	6.100	996	6.100	1058	6.100	1120	6.100	1182	6.100	1244	6.100
811	6.100	873	6.100	935	6.100	997	6.100	1059	6.100	1121	6.100	1183	6.100	1245	6.100
812	6.100	874	6.100	936	6.100	998	6.100	1060	6.100	1122	6.100	1184	6.100	1246	6.100
813	6.100	875	6.100	937	6.100	999	6.100	1061	6.100	1123	6.100	1185	6.100	1247	6.100
814	6.100	876	6.100	938	6.100	1000	6.100	1062	6.100	1124	6.100	1186	6.100	1248	6.100
815	6.100	877	6.100	939	6.100	1001	6.100	1063	6.100	1125	6.100	1187	6.100	1249	6.100
816	6.100	878	6.100	940	6.100	1002	6.100	1064	6.100	1126	6.100	1188	6.100	1250	6.100
817	6.100	879	6.100	941	6.100	1003	6.100	1065	6.100	1127	6.100	1189	6.100	1251	6.100
818	6.100	880	6.100	942	6.100	1004	6.100	1066	6.100	1128	6.100	1190	6.100	1252	6.100
819	6.100	881	6.100	943	6.100	1005	6.100	1067	6.100	1129	6.100	1191	6.100	1253	6.100
820	6.100	882	6.100	944	6.100	1006	6.100	1068	6.100	1130	6.100	1192	6.100	1254	6.100
821	6.100	883	6.100	945	6.100	1007	6.100	1069	6.100	1131	6.100	1193	6.100	1255	6.100
822	6.100	884	6.100	946	6.100	1008	6.100	1070	6.100	1132	6.100	1194	6.100	1256	6.100
823	6.100	885	6.100	947	6.100	1009	6.100	1071	6.100	1133	6.100	1195	6.100	1257	6.100
824	6.100	886	6.100	948	6.100	1010	6.100	1072	6.100	1134	6.100	1196	6.100	1258	6.100
825	6.100	887	6.100	949	6.100	1011	6.100	1073	6.100	1135	6.100	1197	6.100	1259	6.100
826	6.100	888	6.100	950	6.100	1012	6.100	1074	6.100	1136	6.100	1198	6.100	1260	6.100
827	6.100	889	6.100	951	6.100	1013	6.100	1075	6.100	1137	6.100	1199	6.100	1261	6.100
828	6.100	890	6.100	952	6.100	1014	6.100	1076	6.100	1138	6.100	1200	6.100	1262	6.100
829	6.100	891	6.100	953	6.100	1015	6.100	1077	6.100	1139	6.100	1201	6.100	1263	6.100
830	6.100	892	6.100	954	6.100	1016	6.100	1078	6.100	1140	6.100	1202	6.100	1264	6.100
831	6.100	893	6.100	955	6.100	1017	6.100	1079	6.100	1141	6.100	1203	6.100	1265	6.100
832	6.100	894	6.100	956	6.100	1018	6.100	1080	6.100	1142	6.100	1204	6.100	1266	6.100
833	6.100	895	6.100	957	6.100	1019	6.100	1081	6.100	1143	6.100	1205	6.100	1267	6.100
834	6.100	896	6.100	958	6.100	1020	6.100	1082	6.100	1144	6.100	1206	6.100	1268	6.100
835	6.100	897	6.100	959	6.100	1021	6.100	1083	6.100	1145	6.100	1207	6.100	1269	6.100
836	6.100	898	6.100	960	6.100	1022	6.100	1084	6.100	1146	6.100	1208	6.100	1270	6.100
837	6.100	899	6.100	961	6.100	1023	6.100	1085	6.100	1147	6.100	1209	6.100	1271	6.100
838	6.100	900	6.100	962	6.100	1024	6.100	1086	6.100	1148	6.100	1210	6.100	1272	6.100
839	6.100	901	6.100	963	6.100	1025	6.100	1087	6.100	1149	6.100	1211	6.100	1273	6.100
840	6.100	902	6.100	964	6.100	1026	6.100	1088	6.100	1150	6.100	1212	6.100	1274	6.100
841	6.100	903	6.100	965	6.100	1027	6.100	1089	6.100	1151	6.100	1213	6.100	1275	6.100
842	6.100	904	6.100	966	6.100	1028	6.100	1090	6.100	1152	6.100	1214	6.100	1276	6.100
843	6.100	905	6.100	967	6.100	1029	6.100	1091	6.100	1153	6.100	1215	6.100	1277	6.100
844	6.100	906	6.100	968	6.100	1030	6.100	1092	6.100	1154	6.100	1216	6.100	1278	6.100
845	6.100	907	6.100	969	6.100	1031	6.100	1093	6.100	1155	6.100	1217	6.100	1279	6.100
846	6.100	908	6.100	970	6.100	1032	6.100	1094	6.100	1156	6.100	1218	6.100	1280	6.100
847	6.100	909	6.100	971	6.100	1033	6.100	1095	6.100	1157	6.100	1219	6.100	1281	6.100
848	6.100	910	6.100	972	6.100	1034	6.100	1096	6.100	1158	6.100	1220	6.100	1282	6.100
849	6.100	911	6.100	973	6.100	1035	6.100	1097	6.100	1159	6.100	1221	6.100	1283	6.100
850	6.100	912	6.100	974	6.100	1036	6.100	1098	6.100	1160	6.100	1222	6.100	1284	6.100
851	6.100	913	6.100	975	6.100	1037	6.100	1099	6.100	1161	6.100	1223	6.100	1285	6.100
852	6.100	914	6.100	976	6.100	1038	6.100	1100	6.100	1162	6.100	1224	6.100	1286	6.100
853	6.100	915	6.100	977	6.100	1039	6.100	1101	6.100	1163	6.100	1225	6.100	1287	6.100
854	6.100	916	6.100	978	6.100	1040	6.100	1102	6.100	1164	6.100	1226	6.100	1288	6.100



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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1351	6.100	1413	6.100	1475	6.100	1537	6.100	1599	6.100	1661	6.100	1723	6.100	1785	6.100
1352	6.100	1414	6.100	1476	6.100	1538	6.100	1600	6.100	1662	6.100	1724	6.100	1786	6.100
1353	6.100	1415	6.100	1477	6.100	1539	6.100	1601	6.100	1663	6.100	1725	6.100	1787	6.100
1354	6.100	1416	6.100	1478	6.100	1540	6.100	1602	6.100	1664	6.100	1726	6.100	1788	6.100
1355	6.100	1417	6.100	1479	6.100	1541	6.100	1603	6.100	1665	6.100	1727	6.100	1789	6.100
1356	6.100	1418	6.100	1480	6.100	1542	6.100	1604	6.100	1666	6.100	1728	6.100	1790	6.100
1357	6.100	1419	6.100	1481	6.100	1543	6.100	1605	6.100	1667	6.100	1729	6.100	1791	6.100
1358	6.100	1420	6.100	1482	6.100	1544	6.100	1606	6.100	1668	6.100	1730	6.100	1792	6.100
1359	6.100	1421	6.100	1483	6.100	1545	6.100	1607	6.100	1669	6.100	1731	6.100	1793	6.100
1360	6.100	1422	6.100	1484	6.100	1546	6.100	1608	6.100	1670	6.100	1732	6.100	1794	6.100
1361	6.100	1423	6.100	1485	6.100	1547	6.100	1609	6.100	1671	6.100	1733	6.100	1795	6.100
1362	6.100	1424	6.100	1486	6.100	1548	6.100	1610	6.100	1672	6.100	1734	6.100	1796	6.100
1363	6.100	1425	6.100	1487	6.100	1549	6.100	1611	6.100	1673	6.100	1735	6.100	1797	6.100
1364	6.100	1426	6.100	1488	6.100	1550	6.100	1612	6.100	1674	6.100	1736	6.100	1798	6.100
1365	6.100	1427	6.100	1489	6.100	1551	6.100	1613	6.100	1675	6.100	1737	6.100	1799	6.100
1366	6.100	1428	6.100	1490	6.100	1552	6.100	1614	6.100	1676	6.100	1738	6.100	1800	6.100
1367	6.100	1429	6.100	1491	6.100	1553	6.100	1615	6.100	1677	6.100	1739	6.100	1801	6.100
1368	6.100	1430	6.100	1492	6.100	1554	6.100	1616	6.100	1678	6.100	1740	6.100	1802	6.100
1369	6.100	1431	6.100	1493	6.100	1555	6.100	1617	6.100	1679	6.100	1741	6.100	1803	6.100
1370	6.100	1432	6.100	1494	6.100	1556	6.100	1618	6.100	1680	6.100	1742	6.100	1804	6.100
1371	6.100	1433	6.100	1495	6.100	1557	6.100	1619	6.100	1681	6.100	1743	6.100	1805	6.100
1372	6.100	1434	6.100	1496	6.100	1558	6.100	1620	6.100	1682	6.100	1744	6.100	1806	6.100
1373	6.100	1435	6.100	1497	6.100	1559	6.100	1621	6.100	1683	6.100	1745	6.100	1807	6.100
1374	6.100	1436	6.100	1498	6.100	1560	6.100	1622	6.100	1684	6.100	1746	6.100	1808	6.100
1375	6.100	1437	6.100	1499	6.100	1561	6.100	1623	6.100	1685	6.100	1747	6.100	1809	6.100
1376	6.100	1438	6.100	1500	6.100	1562	6.100	1624	6.100	1686	6.100	1748	6.100	1810	6.100
1377	6.100	1439	6.100	1501	6.100	1563	6.100	1625	6.100	1687	6.100	1749	6.100	1811	6.100
1378	6.100	1440	6.100	1502	6.100	1564	6.100	1626	6.100	1688	6.100	1750	6.100	1812	6.100
1379	6.100	1441	6.100	1503	6.100	1565	6.100	1627	6.100	1689	6.100	1751	6.100	1813	6.100
1380	6.100	1442	6.100	1504	6.100	1566	6.100	1628	6.100	1690	6.100	1752	6.100	1814	6.100
1381	6.100	1443	6.100	1505	6.100	1567	6.100	1629	6.100	1691	6.100	1753	6.100	1815	6.100
1382	6.100	1444	6.100	1506	6.100	1568	6.100	1630	6.100	1692	6.100	1754	6.100	1816	6.100
1383	6.100	1445	6.100	1507	6.100	1569	6.100	1631	6.100	1693	6.100	1755	6.100	1817	6.100
1384	6.100	1446	6.100	1508	6.100	1570	6.100	1632	6.100	1694	6.100	1756	6.100	1818	6.100
1385	6.100	1447	6.100	1509	6.100	1571	6.100	1633	6.100	1695	6.100	1757	6.100	1819	6.100
1386	6.100	1448	6.100	1510	6.100	1572	6.100	1634	6.100	1696	6.100	1758	6.100	1820	6.100
1387	6.100	1449	6.100	1511	6.100	1573	6.100	1635	6.100	1697	6.100	1759	6.100	1821	6.100
1388	6.100	1450	6.100	1512	6.100	1574	6.100	1636	6.100	1698	6.100	1760	6.100	1822	6.100
1389	6.100	1451	6.100	1513	6.100	1575	6.100	1637	6.100	1699	6.100	1761	6.100	1823	6.100
1390	6.100	1452	6.100	1514	6.100	1576	6.100	1638	6.100	1700	6.100	1762	6.100	1824	6.100
1391	6.100	1453	6.100	1515	6.100	1577	6.100	1639	6.100	1701	6.100	1763	6.100	1825	6.100
1392	6.100	1454	6.100	1516	6.100	1578	6.100	1640	6.100	1702	6.100	1764	6.100	1826	6.100
1393	6.100	1455	6.100	1517	6.100	1579	6.100	1641	6.100	1703	6.100	1765	6.100	1827	6.100
1394	6.100	1456	6.100	1518	6.100	1580	6.100	1642	6.100	1704	6.100	1766	6.100	1828	6.100
1395	6.100	1457	6.100	1519	6.100	1581	6.100	1643	6.100	1705	6.100	1767	6.100	1829	6.100
1396	6.100	1458	6.100	1520	6.100	1582	6.100	1644	6.100	1706	6.100	1768	6.100	1830	6.100
1397	6.100	1459	6.100	1521	6.100	1583	6.100	1645	6.100	1707	6.100	1769	6.100	1831	6.100
1398	6.100	1460	6.100	1522	6.100	1584	6.100	1646	6.100	1708	6.100	1770	6.100	1832	6.100
1399	6.100	1461	6.100	1523	6.100	1585	6.100	1647	6.100	1709	6.100	1771	6.100	1833	6.100
1400	6.100	1462	6.100	1524	6.100	1586	6.100	1648	6.100	1710	6.100	1772	6.100	1834	6.100
1401	6.100	1463	6.100	1525	6.100	1587	6.100	1649	6.100	1711	6.100	1773	6.100	1835	6.100
1402	6.100	1464	6.100	1526	6.100	1588	6.100	1650	6.100	1712	6.100	1774	6.100	1836	6.100
1403	6.100	1465	6.100	1527	6.100	1589	6.100	1651	6.100	1713	6.100	1775	6.100	1837	6.100
1404	6.100	1466	6.100	1528	6.100	1590	6.100	1652	6.100	1714	6.100	1776	6.100	1838	6.100
1405	6.100	1467	6.100	1529	6.100	1591	6.100	1653	6.100	1715	6.100	1777	6.100	1839	6.100
1406	6.100	1468	6.100	1530	6.100	1592	6.100	1654	6.100	1716	6.100	1778	6.100	1840	6.100
1407	6.100	1469	6.100	1531	6.100	1593	6.100	1655	6.100	1717	6.100	1779	6.100	1841	6.100
1408	6.100	1470	6.100	1532	6.100	1594	6.100	1656	6.100	1718	6.100	1780	6.100	1842	6.100
1409	6.100	1471	6.100	1533	6.100	1595	6.100	1657	6.100	1719	6.100	1781	6.100	1843	6.100
1410	6.100	1472	6.100	1534	6.100	1596	6.100	1658	6.100	1720	6.100	1782	6.100	1844	6.100
1411	6.100	1473	6.100	1535	6.100	1597	6.100	1659	6.100	1721	6.100	1783	6.100	1845	6.100
1412	6.100	1474	6.100	1536	6.100	1598	6.100	1660	6.100	1722	6.100	1784	6.100	1846	6.100



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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1909	6.100	1971	6.100	2033	6.100	2095	6.100	2157	6.100	2219	6.100	2281	6.100	2343	6.100
1910	6.100	1972	6.100	2034	6.100	2096	6.100	2158	6.100	2220	6.100	2282	6.100	2344	6.100
1911	6.100	1973	6.100	2035	6.100	2097	6.100	2159	6.100	2221	6.100	2283	6.100	2345	6.100
1912	6.100	1974	6.100	2036	6.100	2098	6.100	2160	6.100	2222	6.100	2284	6.100	2346	6.100
1913	6.100	1975	6.100	2037	6.100	2099	6.100	2161	6.100	2223	6.100	2285	6.100	2347	6.100
1914	6.100	1976	6.100	2038	6.100	2100	6.100	2162	6.100	2224	6.100	2286	6.100	2348	6.100
1915	6.100	1977	6.100	2039	6.100	2101	6.100	2163	6.100	2225	6.100	2287	6.100	2349	6.100
1916	6.100	1978	6.100	2040	6.100	2102	6.100	2164	6.100	2226	6.100	2288	6.100	2350	6.100
1917	6.100	1979	6.100	2041	6.100	2103	6.100	2165	6.100	2227	6.100	2289	6.100	2351	6.100
1918	6.100	1980	6.100	2042	6.100	2104	6.100	2166	6.100	2228	6.100	2290	6.100	2352	6.100
1919	6.100	1981	6.100	2043	6.100	2105	6.100	2167	6.100	2229	6.100	2291	6.100	2353	6.100
1920	6.100	1982	6.100	2044	6.100	2106	6.100	2168	6.100	2230	6.100	2292	6.100	2354	6.100
1921	6.100	1983	6.100	2045	6.100	2107	6.100	2169	6.100	2231	6.100	2293	6.100	2355	6.100
1922	6.100	1984	6.100	2046	6.100	2108	6.100	2170	6.100	2232	6.100	2294	6.100	2356	6.100
1923	6.100	1985	6.100	2047	6.100	2109	6.100	2171	6.100	2233	6.100	2295	6.100	2357	6.100
1924	6.100	1986	6.100	2048	6.100	2110	6.100	2172	6.100	2234	6.100	2296	6.100	2358	6.100
1925	6.100	1987	6.100	2049	6.100	2111	6.100	2173	6.100	2235	6.100	2297	6.100	2359	6.100
1926	6.100	1988	6.100	2050	6.100	2112	6.100	2174	6.100	2236	6.100	2298	6.100	2360	6.100
1927	6.100	1989	6.100	2051	6.100	2113	6.100	2175	6.100	2237	6.100	2299	6.100	2361	6.100
1928	6.100	1990	6.100	2052	6.100	2114	6.100	2176	6.100	2238	6.100	2300	6.100	2362	6.100
1929	6.100	1991	6.100	2053	6.100	2115	6.100	2177	6.100	2239	6.100	2301	6.100	2363	6.100
1930	6.100	1992	6.100	2054	6.100	2116	6.100	2178	6.100	2240	6.100	2302	6.100	2364	6.100
1931	6.100	1993	6.100	2055	6.100	2117	6.100	2179	6.100	2241	6.100	2303	6.100	2365	6.100
1932	6.100	1994	6.100	2056	6.100	2118	6.100	2180	6.100	2242	6.100	2304	6.100	2366	6.100
1933	6.100	1995	6.100	2057	6.100	2119	6.100	2181	6.100	2243	6.100	2305	6.100	2367	6.100
1934	6.100	1996	6.100	2058	6.100	2120	6.100	2182	6.100	2244	6.100	2306	6.100	2368	6.100
1935	6.100	1997	6.100	2059	6.100	2121	6.100	2183	6.100	2245	6.100	2307	6.100	2369	6.100
1936	6.100	1998	6.100	2060	6.100	2122	6.100	2184	6.100	2246	6.100	2308	6.100	2370	6.100
1937	6.100	1999	6.100	2061	6.100	2123	6.100	2185	6.100	2247	6.100	2309	6.100	2371	6.100
1938	6.100	2000	6.100	2062	6.100	2124	6.100	2186	6.100	2248	6.100	2310	6.100	2372	6.100
1939	6.100	2001	6.100	2063	6.100	2125	6.100	2187	6.100	2249	6.100	2311	6.100	2373	6.100
1940	6.100	2002	6.100	2064	6.100	2126	6.100	2188	6.100	2250	6.100	2312	6.100	2374	6.100
1941	6.100	2003	6.100	2065	6.100	2127	6.100	2189	6.100	2251	6.100	2313	6.100	2375	6.100
1942	6.100	2004	6.100	2066	6.100	2128	6.100	2190	6.100	2252	6.100	2314	6.100	2376	6.100
1943	6.100	2005	6.100	2067	6.100	2129	6.100	2191	6.100	2253	6.100	2315	6.100	2377	6.100
1944	6.100	2006	6.100	2068	6.100	2130	6.100	2192	6.100	2254	6.100	2316	6.100	2378	6.100
1945	6.100	2007	6.100	2069	6.100	2131	6.100	2193	6.100	2255	6.100	2317	6.100	2379	6.100
1946	6.100	2008	6.100	2070	6.100	2132	6.100	2194	6.100	2256	6.100	2318	6.100	2380	6.100
1947	6.100	2009	6.100	2071	6.100	2133	6.100	2195	6.100	2257	6.100	2319	6.100	2381	6.100
1948	6.100	2010	6.100	2072	6.100	2134	6.100	2196	6.100	2258	6.100	2320	6.100	2382	6.100
1949	6.100	2011	6.100	2073	6.100	2135	6.100	2197	6.100	2259	6.100	2321	6.100	2383	6.100
1950	6.100	2012	6.100	2074	6.100	2136	6.100	2198	6.100	2260	6.100	2322	6.100	2384	6.100
1951	6.100	2013	6.100	2075	6.100	2137	6.100	2199	6.100	2261	6.100	2323	6.100	2385	6.100
1952	6.100	2014	6.100	2076	6.100	2138	6.100	2200	6.100	2262	6.100	2324	6.100	2386	6.100
1953	6.100	2015	6.100	2077	6.100	2139	6.100	2201	6.100	2263	6.100	2325	6.100	2387	6.100
1954	6.100	2016	6.100	2078	6.100	2140	6.100	2202	6.100	2264	6.100	2326	6.100	2388	6.100
1955	6.100	2017	6.100	2079	6.100	2141	6.100	2203	6.100	2265	6.100	2327	6.100	2389	6.100
1956	6.100	2018	6.100	2080	6.100	2142	6.100	2204	6.100	2266	6.100	2328	6.100	2390	6.100
1957	6.100	2019	6.100	2081	6.100	2143	6.100	2205	6.100	2267	6.100	2329	6.100	2391	6.100
1958	6.100	2020	6.100	2082	6.100	2144	6.100	2206	6.100	2268	6.100	2330	6.100	2392	6.100
1959	6.100	2021	6.100	2083	6.100	2145	6.100	2207	6.100	2269	6.100	2331	6.100	2393	6.100
1960	6.100	2022	6.100	2084	6.100	2146	6.100	2208	6.100	2270	6.100	2332	6.100	2394	6.100
1961	6.100	2023	6.100	2085	6.100	2147	6.100	2209	6.100	2271	6.100	2333	6.100	2395	6.100
1962	6.100	2024	6.100	2086	6.100	2148	6.100	2210	6.100	2272	6.100	2334	6.100	2396	6.100
1963	6.100	2025	6.100	2087	6.100	2149	6.100	2211	6.100	2273	6.100	2335	6.100	2397	6.100
1964	6.100	2026	6.100	2088	6.100	2150	6.100	2212	6.100	2274	6.100	2336	6.100	2398	6.100
1965	6.100	2027	6.100	2089	6.100	2151	6.100	2213	6.100	2275	6.100	2337	6.100	2399	6.100
1966	6.100	2028	6.100	2090	6.100	2152	6.100	2214	6.100	2276	6.100	2338	6.100	2400	6.100
1967	6.100	2029	6.100	2091	6.100	2153	6.100	2215	6.100	2277	6.100	2339	6.100	2401	6.100
1968	6.100	2030	6.100	2092	6.100	2154	6.100	2216	6.100	2278	6.100	2340	6.100	2402	6.100
1969	6.100	2031	6.100	2093	6.100	2155	6.100	2217	6.100	2279	6.100	2341	6.100	2403	6.100
1970	6.100	2032	6.100	2094	6.100	2156	6.100	2218	6.100	2280	6.100	2342	6.100	2404	6.100



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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2467	6.100	2529	6.100	2591	6.100	2653	6.100	2715	6.100	2777	6.100	2839	6.100	2901	6.100
2468	6.100	2530	6.100	2592	6.100	2654	6.100	2716	6.100	2778	6.100	2840	6.100	2902	6.100
2469	6.100	2531	6.100	2593	6.100	2655	6.100	2717	6.100	2779	6.100	2841	6.100	2903	6.100
2470	6.100	2532	6.100	2594	6.100	2656	6.100	2718	6.100	2780	6.100	2842	6.100	2904	6.100
2471	6.100	2533	6.100	2595	6.100	2657	6.100	2719	6.100	2781	6.100	2843	6.100	2905	6.100
2472	6.100	2534	6.100	2596	6.100	2658	6.100	2720	6.100	2782	6.100	2844	6.100	2906	6.100
2473	6.100	2535	6.100	2597	6.100	2659	6.100	2721	6.100	2783	6.100	2845	6.100	2907	6.100
2474	6.100	2536	6.100	2598	6.100	2660	6.100	2722	6.100	2784	6.100	2846	6.100	2908	6.100
2475	6.100	2537	6.100	2599	6.100	2661	6.100	2723	6.100	2785	6.100	2847	6.100	2909	6.100
2476	6.100	2538	6.100	2600	6.100	2662	6.100	2724	6.100	2786	6.100	2848	6.100	2910	6.100
2477	6.100	2539	6.100	2601	6.100	2663	6.100	2725	6.100	2787	6.100	2849	6.100	2911	6.100
2478	6.100	2540	6.100	2602	6.100	2664	6.100	2726	6.100	2788	6.100	2850	6.100	2912	6.100
2479	6.100	2541	6.100	2603	6.100	2665	6.100	2727	6.100	2789	6.100	2851	6.100	2913	6.100
2480	6.100	2542	6.100	2604	6.100	2666	6.100	2728	6.100	2790	6.100	2852	6.100	2914	6.100
2481	6.100	2543	6.100	2605	6.100	2667	6.100	2729	6.100	2791	6.100	2853	6.100	2915	6.100
2482	6.100	2544	6.100	2606	6.100	2668	6.100	2730	6.100	2792	6.100	2854	6.100	2916	6.100
2483	6.100	2545	6.100	2607	6.100	2669	6.100	2731	6.100	2793	6.100	2855	6.100	2917	6.100
2484	6.100	2546	6.100	2608	6.100	2670	6.100	2732	6.100	2794	6.100	2856	6.100	2918	6.100
2485	6.100	2547	6.100	2609	6.100	2671	6.100	2733	6.100	2795	6.100	2857	6.100	2919	6.100
2486	6.100	2548	6.100	2610	6.100	2672	6.100	2734	6.100	2796	6.100	2858	6.100	2920	6.100
2487	6.100	2549	6.100	2611	6.100	2673	6.100	2735	6.100	2797	6.100	2859	6.100	2921	6.100
2488	6.100	2550	6.100	2612	6.100	2674	6.100	2736	6.100	2798	6.100	2860	6.100	2922	6.100
2489	6.100	2551	6.100	2613	6.100	2675	6.100	2737	6.100	2799	6.100	2861	6.100	2923	6.100
2490	6.100	2552	6.100	2614	6.100	2676	6.100	2738	6.100	2800	6.100	2862	6.100	2924	6.100
2491	6.100	2553	6.100	2615	6.100	2677	6.100	2739	6.100	2801	6.100	2863	6.100	2925	6.100
2492	6.100	2554	6.100	2616	6.100	2678	6.100	2740	6.100	2802	6.100	2864	6.100	2926	6.100
2493	6.100	2555	6.100	2617	6.100	2679	6.100	2741	6.100	2803	6.100	2865	6.100	2927	6.100
2494	6.100	2556	6.100	2618	6.100	2680	6.100	2742	6.100	2804	6.100	2866	6.100	2928	6.100
2495	6.100	2557	6.100	2619	6.100	2681	6.100	2743	6.100	2805	6.100	2867	6.100	2929	6.100
2496	6.100	2558	6.100	2620	6.100	2682	6.100	2744	6.100	2806	6.100	2868	6.100	2930	6.100
2497	6.100	2559	6.100	2621	6.100	2683	6.100	2745	6.100	2807	6.100	2869	6.100	2931	6.100
2498	6.100	2560	6.100	2622	6.100	2684	6.100	2746	6.100	2808	6.100	2870	6.100	2932	6.100
2499	6.100	2561	6.100	2623	6.100	2685	6.100	2747	6.100	2809	6.100	2871	6.100	2933	6.100
2500	6.100	2562	6.100	2624	6.100	2686	6.100	2748	6.100	2810	6.100	2872	6.100	2934	6.100
2501	6.100	2563	6.100	2625	6.100	2687	6.100	2749	6.100	2811	6.100	2873	6.100	2935	6.100
2502	6.100	2564	6.100	2626	6.100	2688	6.100	2750	6.100	2812	6.100	2874	6.100	2936	6.100
2503	6.100	2565	6.100	2627	6.100	2689	6.100	2751	6.100	2813	6.100	2875	6.100	2937	6.100
2504	6.100	2566	6.100	2628	6.100	2690	6.100	2752	6.100	2814	6.100	2876	6.100	2938	6.100
2505	6.100	2567	6.100	2629	6.100	2691	6.100	2753	6.100	2815	6.100	2877	6.100	2939	6.100
2506	6.100	2568	6.100	2630	6.100	2692	6.100	2754	6.100	2816	6.100	2878	6.100	2940	6.100
2507	6.100	2569	6.100	2631	6.100	2693	6.100	2755	6.100	2817	6.100	2879	6.100	2941	6.100
2508	6.100	2570	6.100	2632	6.100	2694	6.100	2756	6.100	2818	6.100	2880	6.100	2942	6.100
2509	6.100	2571	6.100	2633	6.100	2695	6.100	2757	6.100	2819	6.100	2881	6.100	2943	6.100
2510	6.100	2572	6.100	2634	6.100	2696	6.100	2758	6.100	2820	6.100	2882	6.100	2944	6.100
2511	6.100	2573	6.100	2635	6.100	2697	6.100	2759	6.100	2821	6.100	2883	6.100	2945	6.100
2512	6.100	2574	6.100	2636	6.100	2698	6.100	2760	6.100	2822	6.100	2884	6.100	2946	6.100
2513	6.100	2575	6.100	2637	6.100	2699	6.100	2761	6.100	2823	6.100	2885	6.100	2947	6.100
2514	6.100	2576	6.100	2638	6.100	2700	6.100	2762	6.100	2824	6.100	2886	6.100	2948	6.100
2515	6.100	2577	6.100	2639	6.100	2701	6.100	2763	6.100	2825	6.100	2887	6.100	2949	6.100
2516	6.100	2578	6.100	2640	6.100	2702	6.100	2764	6.100	2826	6.100	2888	6.100	2950	6.100
2517	6.100	2579	6.100	2641	6.100	2703	6.100	2765	6.100	2827	6.100	2889	6.100	2951	6.100
2518	6.100	2580	6.100	2642	6.100	2704	6.100	2766	6.100	2828	6.100	2890	6.100	2952	6.100
2519	6.100	2581	6.100	2643	6.100	2705	6.100	2767	6.100	2829	6.100	2891	6.100	2953	6.100
2520	6.100	2582	6.100	2644	6.100	2706	6.100	2768	6.100	2830	6.100	2892	6.100	2954	6.100
2521	6.100	2583	6.100	2645	6.100	2707	6.100	2769	6.100	2831	6.100	2893	6.100	2955	6.100
2522	6.100	2584	6.100	2646	6.100	2708	6.100	2770	6.100	2832	6.100	2894	6.100	2956	6.100
2523	6.100	2585	6.100	2647	6.100	2709	6.100	2771	6.100	2833	6.100	2895	6.100	2957	6.100
2524	6.100	2586	6.100	2648	6.100	2710	6.100	2772	6.100	2834	6.100	2896	6.100	2958	6.100
2525	6.100	2587	6.100	2649	6.100	2711	6.100	2773	6.100	2835	6.100	2897	6.100	2959	6.100
2526	6.100	2588	6.100	2650	6.100	2712	6.100	2774	6.100	2836	6.100	2898	6.100	2960	6.100
2527	6.100	2589	6.100	2651	6.100	2713	6.100	2775	6.100	2837	6.100	2899	6.100	2961	6.100
2528	6.100	2590	6.100	2652	6.100	2714	6.100	2776	6.100	2838	6.100	2900	6.100	2962	6.100



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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3025	6.100	3087	6.100	3149	6.100	3211	6.100	3273	6.100	3335	6.100	3397	6.100	3459	6.100
3026	6.100	3088	6.100	3150	6.100	3212	6.100	3274	6.100	3336	6.100	3398	6.100	3460	6.100
3027	6.100	3089	6.100	3151	6.100	3213	6.100	3275	6.100	3337	6.100	3399	6.100	3461	6.100
3028	6.100	3090	6.100	3152	6.100	3214	6.100	3276	6.100	3338	6.100	3400	6.100	3462	6.100
3029	6.100	3091	6.100	3153	6.100	3215	6.100	3277	6.100	3339	6.100	3401	6.100	3463	6.100
3030	6.100	3092	6.100	3154	6.100	3216	6.100	3278	6.100	3340	6.100	3402	6.100	3464	6.100
3031	6.100	3093	6.100	3155	6.100	3217	6.100	3279	6.100	3341	6.100	3403	6.100	3465	6.100
3032	6.100	3094	6.100	3156	6.100	3218	6.100	3280	6.100	3342	6.100	3404	6.100	3466	6.100
3033	6.100	3095	6.100	3157	6.100	3219	6.100	3281	6.100	3343	6.100	3405	6.100	3467	6.100
3034	6.100	3096	6.100	3158	6.100	3220	6.100	3282	6.100	3344	6.100	3406	6.100	3468	6.100
3035	6.100	3097	6.100	3159	6.100	3221	6.100	3283	6.100	3345	6.100	3407	6.100	3469	6.100
3036	6.100	3098	6.100	3160	6.100	3222	6.100	3284	6.100	3346	6.100	3408	6.100	3470	6.100
3037	6.100	3099	6.100	3161	6.100	3223	6.100	3285	6.100	3347	6.100	3409	6.100	3471	6.100
3038	6.100	3100	6.100	3162	6.100	3224	6.100	3286	6.100	3348	6.100	3410	6.100	3472	6.100
3039	6.100	3101	6.100	3163	6.100	3225	6.100	3287	6.100	3349	6.100	3411	6.100	3473	6.100
3040	6.100	3102	6.100	3164	6.100	3226	6.100	3288	6.100	3350	6.100	3412	6.100	3474	6.100
3041	6.100	3103	6.100	3165	6.100	3227	6.100	3289	6.100	3351	6.100	3413	6.100	3475	6.100
3042	6.100	3104	6.100	3166	6.100	3228	6.100	3290	6.100	3352	6.100	3414	6.100	3476	6.100
3043	6.100	3105	6.100	3167	6.100	3229	6.100	3291	6.100	3353	6.100	3415	6.100	3477	6.100
3044	6.100	3106	6.100	3168	6.100	3230	6.100	3292	6.100	3354	6.100	3416	6.100	3478	6.100
3045	6.100	3107	6.100	3169	6.100	3231	6.100	3293	6.100	3355	6.100	3417	6.100	3479	6.100
3046	6.100	3108	6.100	3170	6.100	3232	6.100	3294	6.100	3356	6.100	3418	6.100	3480	6.100
3047	6.100	3109	6.100	3171	6.100	3233	6.100	3295	6.100	3357	6.100	3419	6.100	3481	6.100
3048	6.100	3110	6.100	3172	6.100	3234	6.100	3296	6.100	3358	6.100	3420	6.100	3482	6.100
3049	6.100	3111	6.100	3173	6.100	3235	6.100	3297	6.100	3359	6.100	3421	6.100	3483	6.100
3050	6.100	3112	6.100	3174	6.100	3236	6.100	3298	6.100	3360	6.100	3422	6.100	3484	6.100
3051	6.100	3113	6.100	3175	6.100	3237	6.100	3299	6.100	3361	6.100	3423	6.100	3485	6.100
3052	6.100	3114	6.100	3176	6.100	3238	6.100	3300	6.100	3362	6.100	3424	6.100	3486	6.100
3053	6.100	3115	6.100	3177	6.100	3239	6.100	3301	6.100	3363	6.100	3425	6.100	3487	6.100
3054	6.100	3116	6.100	3178	6.100	3240	6.100	3302	6.100	3364	6.100	3426	6.100	3488	6.100
3055	6.100	3117	6.100	3179	6.100	3241	6.100	3303	6.100	3365	6.100	3427	6.100	3489	6.100
3056	6.100	3118	6.100	3180	6.100	3242	6.100	3304	6.100	3366	6.100	3428	6.100	3490	6.100
3057	6.100	3119	6.100	3181	6.100	3243	6.100	3305	6.100	3367	6.100	3429	6.100	3491	6.100
3058	6.100	3120	6.100	3182	6.100	3244	6.100	3306	6.100	3368	6.100	3430	6.100	3492	6.100
3059	6.100	3121	6.100	3183	6.100	3245	6.100	3307	6.100	3369	6.100	3431	6.100	3493	6.100
3060	6.100	3122	6.100	3184	6.100	3246	6.100	3308	6.100	3370	6.100	3432	6.100	3494	6.100
3061	6.100	3123	6.100	3185	6.100	3247	6.100	3309	6.100	3371	6.100	3433	6.100	3495	6.100
3062	6.100	3124	6.100	3186	6.100	3248	6.100	3310	6.100	3372	6.100	3434	6.100	3496	6.100
3063	6.100	3125	6.100	3187	6.100	3249	6.100	3311	6.100	3373	6.100	3435	6.100	3497	6.100
3064	6.100	3126	6.100	3188	6.100	3250	6.100	3312	6.100	3374	6.100	3436	6.100	3498	6.100
3065	6.100	3127	6.100	3189	6.100	3251	6.100	3313	6.100	3375	6.100	3437	6.100	3499	6.100
3066	6.100	3128	6.100	3190	6.100	3252	6.100	3314	6.100	3376	6.100	3438	6.100	3500	6.100
3067	6.100	3129	6.100	3191	6.100	3253	6.100	3315	6.100	3377	6.100	3439	6.100	3501	6.100
3068	6.100	3130	6.100	3192	6.100	3254	6.100	3316	6.100	3378	6.100	3440	6.100	3502	6.100
3069	6.100	3131	6.100	3193	6.100	3255	6.100	3317	6.100	3379	6.100	3441	6.100	3503	6.100
3070	6.100	3132	6.100	3194	6.100	3256	6.100	3318	6.100	3380	6.100	3442	6.100	3504	6.100
3071	6.100	3133	6.100	3195	6.100	3257	6.100	3319	6.100	3381	6.100	3443	6.100	3505	6.100
3072	6.100	3134	6.100	3196	6.100	3258	6.100	3320	6.100	3382	6.100	3444	6.100	3506	6.100
3073	6.100	3135	6.100	3197	6.100	3259	6.100	3321	6.100	3383	6.100	3445	6.100	3507	6.100
3074	6.100	3136	6.100	3198	6.100	3260	6.100	3322	6.100	3384	6.100	3446	6.100	3508	6.100
3075	6.100	3137	6.100	3199	6.100	3261	6.100	3323	6.100	3385	6.100	3447	6.100	3509	6.100
3076	6.100	3138	6.100	3200	6.100	3262	6.100	3324	6.100	3386	6.100	3448	6.100	3510	6.100
3077	6.100	3139	6.100	3201	6.100	3263	6.100	3325	6.100	3387	6.100	3449	6.100	3511	6.100
3078	6.100	3140	6.100	3202	6.100	3264	6.100	3326	6.100	3388	6.100	3450	6.100	3512	6.100
3079	6.100	3141	6.100	3203	6.100	3265	6.100	3327	6.100	3389	6.100	3451	6.100	3513	6.100
3080	6.100	3142	6.100	3204	6.100	3266	6.100	3328	6.100	3390	6.100	3452	6.100	3514	6.100
3081	6.100	3143	6.100	3205	6.100	3267	6.100	3329	6.100	3391	6.100	3453	6.100	3515	6.100
3082	6.100	3144	6.100	3206	6.100	3268	6.100	3330	6.100	3392	6.100	3454	6.100	3516	6.100
3083	6.100	3145	6.100	3207	6.100	3269	6.100	3331	6.100	3393	6.100	3455	6.100	3517	6.100
3084	6.100	3146	6.100	3208	6.100	3270	6.100	3332	6.100	3394	6.100	3456	6.100	3518	6.100
3085	6.100	3147	6.100	3209	6.100	3271	6.100	3333	6.100	3395	6.100	3457	6.100	3519	6.100
3086	6.100	3148	6.100	3210	6.100	3272	6.100	3334	6.100	3396	6.100	3458	6.100	3520	6.100



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Designed by UKDEJ003  
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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3583	6.100	3645	6.100	3707	6.100	3769	6.100	3831	6.100	3893	6.100	3955	6.100	4017	6.100
3584	6.100	3646	6.100	3708	6.100	3770	6.100	3832	6.100	3894	6.100	3956	6.100	4018	6.100
3585	6.100	3647	6.100	3709	6.100	3771	6.100	3833	6.100	3895	6.100	3957	6.100	4019	6.100
3586	6.100	3648	6.100	3710	6.100	3772	6.100	3834	6.100	3896	6.100	3958	6.100	4020	6.100
3587	6.100	3649	6.100	3711	6.100	3773	6.100	3835	6.100	3897	6.100	3959	6.100	4021	6.100
3588	6.100	3650	6.100	3712	6.100	3774	6.100	3836	6.100	3898	6.100	3960	6.100	4022	6.100
3589	6.100	3651	6.100	3713	6.100	3775	6.100	3837	6.100	3899	6.100	3961	6.100	4023	6.100
3590	6.100	3652	6.100	3714	6.100	3776	6.100	3838	6.100	3900	6.100	3962	6.100	4024	6.100
3591	6.100	3653	6.100	3715	6.100	3777	6.100	3839	6.100	3901	6.100	3963	6.100	4025	6.100
3592	6.100	3654	6.100	3716	6.100	3778	6.100	3840	6.100	3902	6.100	3964	6.100	4026	6.100
3593	6.100	3655	6.100	3717	6.100	3779	6.100	3841	6.100	3903	6.100	3965	6.100	4027	6.100
3594	6.100	3656	6.100	3718	6.100	3780	6.100	3842	6.100	3904	6.100	3966	6.100	4028	6.100
3595	6.100	3657	6.100	3719	6.100	3781	6.100	3843	6.100	3905	6.100	3967	6.100	4029	6.100
3596	6.100	3658	6.100	3720	6.100	3782	6.100	3844	6.100	3906	6.100	3968	6.100	4030	6.100
3597	6.100	3659	6.100	3721	6.100	3783	6.100	3845	6.100	3907	6.100	3969	6.100	4031	6.100
3598	6.100	3660	6.100	3722	6.100	3784	6.100	3846	6.100	3908	6.100	3970	6.100	4032	6.100
3599	6.100	3661	6.100	3723	6.100	3785	6.100	3847	6.100	3909	6.100	3971	6.100	4033	6.100
3600	6.100	3662	6.100	3724	6.100	3786	6.100	3848	6.100	3910	6.100	3972	6.100	4034	6.100
3601	6.100	3663	6.100	3725	6.100	3787	6.100	3849	6.100	3911	6.100	3973	6.100	4035	6.100
3602	6.100	3664	6.100	3726	6.100	3788	6.100	3850	6.100	3912	6.100	3974	6.100	4036	6.100
3603	6.100	3665	6.100	3727	6.100	3789	6.100	3851	6.100	3913	6.100	3975	6.100	4037	6.100
3604	6.100	3666	6.100	3728	6.100	3790	6.100	3852	6.100	3914	6.100	3976	6.100	4038	6.100
3605	6.100	3667	6.100	3729	6.100	3791	6.100	3853	6.100	3915	6.100	3977	6.100	4039	6.100
3606	6.100	3668	6.100	3730	6.100	3792	6.100	3854	6.100	3916	6.100	3978	6.100	4040	6.100
3607	6.100	3669	6.100	3731	6.100	3793	6.100	3855	6.100	3917	6.100	3979	6.100	4041	6.100
3608	6.100	3670	6.100	3732	6.100	3794	6.100	3856	6.100	3918	6.100	3980	6.100	4042	6.100
3609	6.100	3671	6.100	3733	6.100	3795	6.100	3857	6.100	3919	6.100	3981	6.100	4043	6.100
3610	6.100	3672	6.100	3734	6.100	3796	6.100	3858	6.100	3920	6.100	3982	6.100	4044	6.100
3611	6.100	3673	6.100	3735	6.100	3797	6.100	3859	6.100	3921	6.100	3983	6.100	4045	6.100
3612	6.100	3674	6.100	3736	6.100	3798	6.100	3860	6.100	3922	6.100	3984	6.100	4046	6.100
3613	6.100	3675	6.100	3737	6.100	3799	6.100	3861	6.100	3923	6.100	3985	6.100	4047	6.100
3614	6.100	3676	6.100	3738	6.100	3800	6.100	3862	6.100	3924	6.100	3986	6.100	4048	6.100
3615	6.100	3677	6.100	3739	6.100	3801	6.100	3863	6.100	3925	6.100	3987	6.100	4049	6.100
3616	6.100	3678	6.100	3740	6.100	3802	6.100	3864	6.100	3926	6.100	3988	6.100	4050	6.100
3617	6.100	3679	6.100	3741	6.100	3803	6.100	3865	6.100	3927	6.100	3989	6.100	4051	6.100
3618	6.100	3680	6.100	3742	6.100	3804	6.100	3866	6.100	3928	6.100	3990	6.100	4052	6.100
3619	6.100	3681	6.100	3743	6.100	3805	6.100	3867	6.100	3929	6.100	3991	6.100	4053	6.100
3620	6.100	3682	6.100	3744	6.100	3806	6.100	3868	6.100	3930	6.100	3992	6.100	4054	6.100
3621	6.100	3683	6.100	3745	6.100	3807	6.100	3869	6.100	3931	6.100	3993	6.100	4055	6.100
3622	6.100	3684	6.100	3746	6.100	3808	6.100	3870	6.100	3932	6.100	3994	6.100	4056	6.100
3623	6.100	3685	6.100	3747	6.100	3809	6.100	3871	6.100	3933	6.100	3995	6.100	4057	6.100
3624	6.100	3686	6.100	3748	6.100	3810	6.100	3872	6.100	3934	6.100	3996	6.100	4058	6.100
3625	6.100	3687	6.100	3749	6.100	3811	6.100	3873	6.100	3935	6.100	3997	6.100	4059	6.100
3626	6.100	3688	6.100	3750	6.100	3812	6.100	3874	6.100	3936	6.100	3998	6.100	4060	6.100
3627	6.100	3689	6.100	3751	6.100	3813	6.100	3875	6.100	3937	6.100	3999	6.100	4061	6.100
3628	6.100	3690	6.100	3752	6.100	3814	6.100	3876	6.100	3938	6.100	4000	6.100	4062	6.100
3629	6.100	3691	6.100	3753	6.100	3815	6.100	3877	6.100	3939	6.100	4001	6.100	4063	6.100
3630	6.100	3692	6.100	3754	6.100	3816	6.100	3878	6.100	3940	6.100	4002	6.100	4064	6.100
3631	6.100	3693	6.100	3755	6.100	3817	6.100	3879	6.100	3941	6.100	4003	6.100	4065	6.100
3632	6.100	3694	6.100	3756	6.100	3818	6.100	3880	6.100	3942	6.100	4004	6.100	4066	6.100
3633	6.100	3695	6.100	3757	6.100	3819	6.100	3881	6.100	3943	6.100	4005	6.100	4067	6.100
3634	6.100	3696	6.100	3758	6.100	3820	6.100	3882	6.100	3944	6.100	4006	6.100	4068	6.100
3635	6.100	3697	6.100	3759	6.100	3821	6.100	3883	6.100	3945	6.100	4007	6.100	4069	6.100
3636	6.100	3698	6.100	3760	6.100	3822	6.100	3884	6.100	3946	6.100	4008	6.100	4070	6.100
3637	6.100	3699	6.100	3761	6.100	3823	6.100	3885	6.100	3947	6.100	4009	6.100	4071	6.100
3638	6.100	3700	6.100	3762	6.100	3824	6.100	3886	6.100	3948	6.100	4010	6.100	4072	6.100
3639	6.100	3701	6.100	3763	6.100	3825	6.100	3887	6.100	3949	6.100	4011	6.100	4073	6.100
3640	6.100	3702	6.100	3764	6.100	3826	6.100	3888	6.100	3950	6.100	4012	6.100	4074	6.100
3641	6.100	3703	6.100	3765	6.100	3827	6.100	3889	6.100	3951	6.100	4013	6.100	4075	6.100
3642	6.100	3704	6.100	3766	6.100	3828	6.100	3890	6.100	3952	6.100	4014	6.100	4076	6.100
3643	6.100	3705	6.100	3767	6.100	3829	6.100	3891	6.100	3953	6.100	4015	6.100	4077	6.100
3644	6.100	3706	6.100	3768	6.100	3830	6.100	3892	6.100	3954	6.100	4016	6.100	4078	6.100





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File AB-25, 26 10032021 v.MDX

Designed by UKDEJ003  
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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4141	6.100	4203	6.100	4265	6.100	4327	6.100	4389	6.100	4451	6.100	4513	6.100	4575	6.100
4142	6.100	4204	6.100	4266	6.100	4328	6.100	4390	6.100	4452	6.100	4514	6.100	4576	6.100
4143	6.100	4205	6.100	4267	6.100	4329	6.100	4391	6.100	4453	6.100	4515	6.100	4577	6.100
4144	6.100	4206	6.100	4268	6.100	4330	6.100	4392	6.100	4454	6.100	4516	6.100	4578	6.100
4145	6.100	4207	6.100	4269	6.100	4331	6.100	4393	6.100	4455	6.100	4517	6.100	4579	6.100
4146	6.100	4208	6.100	4270	6.100	4332	6.100	4394	6.100	4456	6.100	4518	6.100	4580	6.100
4147	6.100	4209	6.100	4271	6.100	4333	6.100	4395	6.100	4457	6.100	4519	6.100	4581	6.100
4148	6.100	4210	6.100	4272	6.100	4334	6.100	4396	6.100	4458	6.100	4520	6.100	4582	6.100
4149	6.100	4211	6.100	4273	6.100	4335	6.100	4397	6.100	4459	6.100	4521	6.100	4583	6.100
4150	6.100	4212	6.100	4274	6.100	4336	6.100	4398	6.100	4460	6.100	4522	6.100	4584	6.100
4151	6.100	4213	6.100	4275	6.100	4337	6.100	4399	6.100	4461	6.100	4523	6.100	4585	6.100
4152	6.100	4214	6.100	4276	6.100	4338	6.100	4400	6.100	4462	6.100	4524	6.100	4586	6.100
4153	6.100	4215	6.100	4277	6.100	4339	6.100	4401	6.100	4463	6.100	4525	6.100	4587	6.100
4154	6.100	4216	6.100	4278	6.100	4340	6.100	4402	6.100	4464	6.100	4526	6.100	4588	6.100
4155	6.100	4217	6.100	4279	6.100	4341	6.100	4403	6.100	4465	6.100	4527	6.100	4589	6.100
4156	6.100	4218	6.100	4280	6.100	4342	6.100	4404	6.100	4466	6.100	4528	6.100	4590	6.100
4157	6.100	4219	6.100	4281	6.100	4343	6.100	4405	6.100	4467	6.100	4529	6.100	4591	6.100
4158	6.100	4220	6.100	4282	6.100	4344	6.100	4406	6.100	4468	6.100	4530	6.100	4592	6.100
4159	6.100	4221	6.100	4283	6.100	4345	6.100	4407	6.100	4469	6.100	4531	6.100	4593	6.100
4160	6.100	4222	6.100	4284	6.100	4346	6.100	4408	6.100	4470	6.100	4532	6.100	4594	6.100
4161	6.100	4223	6.100	4285	6.100	4347	6.100	4409	6.100	4471	6.100	4533	6.100	4595	6.100
4162	6.100	4224	6.100	4286	6.100	4348	6.100	4410	6.100	4472	6.100	4534	6.100	4596	6.100
4163	6.100	4225	6.100	4287	6.100	4349	6.100	4411	6.100	4473	6.100	4535	6.100	4597	6.100
4164	6.100	4226	6.100	4288	6.100	4350	6.100	4412	6.100	4474	6.100	4536	6.100	4598	6.100
4165	6.100	4227	6.100	4289	6.100	4351	6.100	4413	6.100	4475	6.100	4537	6.100	4599	6.100
4166	6.100	4228	6.100	4290	6.100	4352	6.100	4414	6.100	4476	6.100	4538	6.100	4600	6.100
4167	6.100	4229	6.100	4291	6.100	4353	6.100	4415	6.100	4477	6.100	4539	6.100	4601	6.100
4168	6.100	4230	6.100	4292	6.100	4354	6.100	4416	6.100	4478	6.100	4540	6.100	4602	6.100
4169	6.100	4231	6.100	4293	6.100	4355	6.100	4417	6.100	4479	6.100	4541	6.100	4603	6.100
4170	6.100	4232	6.100	4294	6.100	4356	6.100	4418	6.100	4480	6.100	4542	6.100	4604	6.100
4171	6.100	4233	6.100	4295	6.100	4357	6.100	4419	6.100	4481	6.100	4543	6.100	4605	6.100
4172	6.100	4234	6.100	4296	6.100	4358	6.100	4420	6.100	4482	6.100	4544	6.100	4606	6.100
4173	6.100	4235	6.100	4297	6.100	4359	6.100	4421	6.100	4483	6.100	4545	6.100	4607	6.100
4174	6.100	4236	6.100	4298	6.100	4360	6.100	4422	6.100	4484	6.100	4546	6.100	4608	6.100
4175	6.100	4237	6.100	4299	6.100	4361	6.100	4423	6.100	4485	6.100	4547	6.100	4609	6.100
4176	6.100	4238	6.100	4300	6.100	4362	6.100	4424	6.100	4486	6.100	4548	6.100	4610	6.100
4177	6.100	4239	6.100	4301	6.100	4363	6.100	4425	6.100	4487	6.100	4549	6.100	4611	6.100
4178	6.100	4240	6.100	4302	6.100	4364	6.100	4426	6.100	4488	6.100	4550	6.100	4612	6.100
4179	6.100	4241	6.100	4303	6.100	4365	6.100	4427	6.100	4489	6.100	4551	6.100	4613	6.100
4180	6.100	4242	6.100	4304	6.100	4366	6.100	4428	6.100	4490	6.100	4552	6.100	4614	6.100
4181	6.100	4243	6.100	4305	6.100	4367	6.100	4429	6.100	4491	6.100	4553	6.100	4615	6.100
4182	6.100	4244	6.100	4306	6.100	4368	6.100	4430	6.100	4492	6.100	4554	6.100	4616	6.100
4183	6.100	4245	6.100	4307	6.100	4369	6.100	4431	6.100	4493	6.100	4555	6.100	4617	6.100
4184	6.100	4246	6.100	4308	6.100	4370	6.100	4432	6.100	4494	6.100	4556	6.100	4618	6.100
4185	6.100	4247	6.100	4309	6.100	4371	6.100	4433	6.100	4495	6.100	4557	6.100	4619	6.100
4186	6.100	4248	6.100	4310	6.100	4372	6.100	4434	6.100	4496	6.100	4558	6.100	4620	6.100
4187	6.100	4249	6.100	4311	6.100	4373	6.100	4435	6.100	4497	6.100	4559	6.100	4621	6.100
4188	6.100	4250	6.100	4312	6.100	4374	6.100	4436	6.100	4498	6.100	4560	6.100	4622	6.100
4189	6.100	4251	6.100	4313	6.100	4375	6.100	4437	6.100	4499	6.100	4561	6.100	4623	6.100
4190	6.100	4252	6.100	4314	6.100	4376	6.100	4438	6.100	4500	6.100	4562	6.100	4624	6.100
4191	6.100	4253	6.100	4315	6.100	4377	6.100	4439	6.100	4501	6.100	4563	6.100	4625	6.100
4192	6.100	4254	6.100	4316	6.100	4378	6.100	4440	6.100	4502	6.100	4564	6.100	4626	6.100
4193	6.100	4255	6.100	4317	6.100	4379	6.100	4441	6.100	4503	6.100	4565	6.100	4627	6.100
4194	6.100	4256	6.100	4318	6.100	4380	6.100	4442	6.100	4504	6.100	4566	6.100	4628	6.100
4195	6.100	4257	6.100	4319	6.100	4381	6.100	4443	6.100	4505	6.100	4567	6.100	4629	6.100
4196	6.100	4258	6.100	4320	6.100	4382	6.100	4444	6.100	4506	6.100	4568	6.100	4630	6.100
4197	6.100	4259	6.100	4321	6.100	4383	6.100	4445	6.100	4507	6.100	4569	6.100	4631	6.100
4198	6.100	4260	6.100	4322	6.100	4384	6.100	4446	6.100	4508	6.100	4570	6.100	4632	6.100
4199	6.100	4261	6.100	4323	6.100	4385	6.100	4447	6.100	4509	6.100	4571	6.100	4633	6.100
4200	6.100	4262	6.100	4324	6.100	4386	6.100	4448	6.100	4510	6.100	4572	6.100	4634	6.100
4201	6.100	4263	6.100	4325	6.100	4387	6.100	4449	6.100	4511	6.100	4573	6.100	4635	6.100
4202	6.100	4264	6.100	4326	6.100	4388	6.100	4450	6.100	4512	6.100	4574	6.100	4636	6.100





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Designed by UKDEJ003  
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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4699	6.100	4761	6.100	4823	6.100	4885	6.100	4947	6.100	5009	6.100	5071	6.100	5133	6.100
4700	6.100	4762	6.100	4824	6.100	4886	6.100	4948	6.100	5010	6.100	5072	6.100	5134	6.100
4701	6.100	4763	6.100	4825	6.100	4887	6.100	4949	6.100	5011	6.100	5073	6.100	5135	6.100
4702	6.100	4764	6.100	4826	6.100	4888	6.100	4950	6.100	5012	6.100	5074	6.100	5136	6.100
4703	6.100	4765	6.100	4827	6.100	4889	6.100	4951	6.100	5013	6.100	5075	6.100	5137	6.100
4704	6.100	4766	6.100	4828	6.100	4890	6.100	4952	6.100	5014	6.100	5076	6.100	5138	6.100
4705	6.100	4767	6.100	4829	6.100	4891	6.100	4953	6.100	5015	6.100	5077	6.100	5139	6.100
4706	6.100	4768	6.100	4830	6.100	4892	6.100	4954	6.100	5016	6.100	5078	6.100	5140	6.100
4707	6.100	4769	6.100	4831	6.100	4893	6.100	4955	6.100	5017	6.100	5079	6.100	5141	6.100
4708	6.100	4770	6.100	4832	6.100	4894	6.100	4956	6.100	5018	6.100	5080	6.100	5142	6.100
4709	6.100	4771	6.100	4833	6.100	4895	6.100	4957	6.100	5019	6.100	5081	6.100	5143	6.100
4710	6.100	4772	6.100	4834	6.100	4896	6.100	4958	6.100	5020	6.100	5082	6.100	5144	6.100
4711	6.100	4773	6.100	4835	6.100	4897	6.100	4959	6.100	5021	6.100	5083	6.100	5145	6.100
4712	6.100	4774	6.100	4836	6.100	4898	6.100	4960	6.100	5022	6.100	5084	6.100	5146	6.100
4713	6.100	4775	6.100	4837	6.100	4899	6.100	4961	6.100	5023	6.100	5085	6.100	5147	6.100
4714	6.100	4776	6.100	4838	6.100	4900	6.100	4962	6.100	5024	6.100	5086	6.100	5148	6.100
4715	6.100	4777	6.100	4839	6.100	4901	6.100	4963	6.100	5025	6.100	5087	6.100	5149	6.100
4716	6.100	4778	6.100	4840	6.100	4902	6.100	4964	6.100	5026	6.100	5088	6.100	5150	6.100
4717	6.100	4779	6.100	4841	6.100	4903	6.100	4965	6.100	5027	6.100	5089	6.100	5151	6.100
4718	6.100	4780	6.100	4842	6.100	4904	6.100	4966	6.100	5028	6.100	5090	6.100	5152	6.100
4719	6.100	4781	6.100	4843	6.100	4905	6.100	4967	6.100	5029	6.100	5091	6.100	5153	6.100
4720	6.100	4782	6.100	4844	6.100	4906	6.100	4968	6.100	5030	6.100	5092	6.100	5154	6.100
4721	6.100	4783	6.100	4845	6.100	4907	6.100	4969	6.100	5031	6.100	5093	6.100	5155	6.100
4722	6.100	4784	6.100	4846	6.100	4908	6.100	4970	6.100	5032	6.100	5094	6.100	5156	6.100
4723	6.100	4785	6.100	4847	6.100	4909	6.100	4971	6.100	5033	6.100	5095	6.100	5157	6.100
4724	6.100	4786	6.100	4848	6.100	4910	6.100	4972	6.100	5034	6.100	5096	6.100	5158	6.100
4725	6.100	4787	6.100	4849	6.100	4911	6.100	4973	6.100	5035	6.100	5097	6.100	5159	6.100
4726	6.100	4788	6.100	4850	6.100	4912	6.100	4974	6.100	5036	6.100	5098	6.100	5160	6.100
4727	6.100	4789	6.100	4851	6.100	4913	6.100	4975	6.100	5037	6.100	5099	6.100	5161	6.100
4728	6.100	4790	6.100	4852	6.100	4914	6.100	4976	6.100	5038	6.100	5100	6.100	5162	6.100
4729	6.100	4791	6.100	4853	6.100	4915	6.100	4977	6.100	5039	6.100	5101	6.100	5163	6.100
4730	6.100	4792	6.100	4854	6.100	4916	6.100	4978	6.100	5040	6.100	5102	6.100	5164	6.100
4731	6.100	4793	6.100	4855	6.100	4917	6.100	4979	6.100	5041	6.100	5103	6.100	5165	6.100
4732	6.100	4794	6.100	4856	6.100	4918	6.100	4980	6.100	5042	6.100	5104	6.100	5166	6.100
4733	6.100	4795	6.100	4857	6.100	4919	6.100	4981	6.100	5043	6.100	5105	6.100	5167	6.100
4734	6.100	4796	6.100	4858	6.100	4920	6.100	4982	6.100	5044	6.100	5106	6.100	5168	6.100
4735	6.100	4797	6.100	4859	6.100	4921	6.100	4983	6.100	5045	6.100	5107	6.100	5169	6.100
4736	6.100	4798	6.100	4860	6.100	4922	6.100	4984	6.100	5046	6.100	5108	6.100	5170	6.100
4737	6.100	4799	6.100	4861	6.100	4923	6.100	4985	6.100	5047	6.100	5109	6.100	5171	6.100
4738	6.100	4800	6.100	4862	6.100	4924	6.100	4986	6.100	5048	6.100	5110	6.100	5172	6.100
4739	6.100	4801	6.100	4863	6.100	4925	6.100	4987	6.100	5049	6.100	5111	6.100	5173	6.100
4740	6.100	4802	6.100	4864	6.100	4926	6.100	4988	6.100	5050	6.100	5112	6.100	5174	6.100
4741	6.100	4803	6.100	4865	6.100	4927	6.100	4989	6.100	5051	6.100	5113	6.100	5175	6.100
4742	6.100	4804	6.100	4866	6.100	4928	6.100	4990	6.100	5052	6.100	5114	6.100	5176	6.100
4743	6.100	4805	6.100	4867	6.100	4929	6.100	4991	6.100	5053	6.100	5115	6.100	5177	6.100
4744	6.100	4806	6.100	4868	6.100	4930	6.100	4992	6.100	5054	6.100	5116	6.100	5178	6.100
4745	6.100	4807	6.100	4869	6.100	4931	6.100	4993	6.100	5055	6.100	5117	6.100	5179	6.100
4746	6.100	4808	6.100	4870	6.100	4932	6.100	4994	6.100	5056	6.100	5118	6.100	5180	6.100
4747	6.100	4809	6.100	4871	6.100	4933	6.100	4995	6.100	5057	6.100	5119	6.100	5181	6.100
4748	6.100	4810	6.100	4872	6.100	4934	6.100	4996	6.100	5058	6.100	5120	6.100	5182	6.100
4749	6.100	4811	6.100	4873	6.100	4935	6.100	4997	6.100	5059	6.100	5121	6.100	5183	6.100
4750	6.100	4812	6.100	4874	6.100	4936	6.100	4998	6.100	5060	6.100	5122	6.100	5184	6.100
4751	6.100	4813	6.100	4875	6.100	4937	6.100	4999	6.100	5061	6.100	5123	6.100	5185	6.100
4752	6.100	4814	6.100	4876	6.100	4938	6.100	5000	6.100	5062	6.100	5124	6.100	5186	6.100
4753	6.100	4815	6.100	4877	6.100	4939	6.100	5001	6.100	5063	6.100	5125	6.100	5187	6.100
4754	6.100	4816	6.100	4878	6.100	4940	6.100	5002	6.100	5064	6.100	5126	6.100	5188	6.100
4755	6.100	4817	6.100	4879	6.100	4941	6.100	5003	6.100	5065	6.100	5127	6.100	5189	6.100
4756	6.100	4818	6.100	4880	6.100	4942	6.100	5004	6.100	5066	6.100	5128	6.100	5190	6.100
4757	6.100	4819	6.100	4881	6.100	4943	6.100	5005	6.100	5067	6.100	5129	6.100	5191	6.100
4758	6.100	4820	6.100	4882	6.100	4944	6.100	5006	6.100	5068	6.100	5130	6.100	5192	6.100
4759	6.100	4821	6.100	4883	6.100	4945	6.100	5007	6.100	5069	6.100	5131	6.100	5193	6.100
4760	6.100	4822	6.100	4884	6.100	4946	6.100	5008	6.100	5070	6.100	5132	6.100	5194	6.100



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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5257	6.100	5319	6.100	5381	6.100	5443	6.100	5505	6.100	5567	6.100	5629	6.100	5691	6.100
5258	6.100	5320	6.100	5382	6.100	5444	6.100	5506	6.100	5568	6.100	5630	6.100	5692	6.100
5259	6.100	5321	6.100	5383	6.100	5445	6.100	5507	6.100	5569	6.100	5631	6.100	5693	6.100
5260	6.100	5322	6.100	5384	6.100	5446	6.100	5508	6.100	5570	6.100	5632	6.100	5694	6.100
5261	6.100	5323	6.100	5385	6.100	5447	6.100	5509	6.100	5571	6.100	5633	6.100	5695	6.100
5262	6.100	5324	6.100	5386	6.100	5448	6.100	5510	6.100	5572	6.100	5634	6.100	5696	6.100
5263	6.100	5325	6.100	5387	6.100	5449	6.100	5511	6.100	5573	6.100	5635	6.100	5697	6.100
5264	6.100	5326	6.100	5388	6.100	5450	6.100	5512	6.100	5574	6.100	5636	6.100	5698	6.100
5265	6.100	5327	6.100	5389	6.100	5451	6.100	5513	6.100	5575	6.100	5637	6.100	5699	6.100
5266	6.100	5328	6.100	5390	6.100	5452	6.100	5514	6.100	5576	6.100	5638	6.100	5700	6.100
5267	6.100	5329	6.100	5391	6.100	5453	6.100	5515	6.100	5577	6.100	5639	6.100	5701	6.100
5268	6.100	5330	6.100	5392	6.100	5454	6.100	5516	6.100	5578	6.100	5640	6.100	5702	6.100
5269	6.100	5331	6.100	5393	6.100	5455	6.100	5517	6.100	5579	6.100	5641	6.100	5703	6.100
5270	6.100	5332	6.100	5394	6.100	5456	6.100	5518	6.100	5580	6.100	5642	6.100	5704	6.100
5271	6.100	5333	6.100	5395	6.100	5457	6.100	5519	6.100	5581	6.100	5643	6.100	5705	6.100
5272	6.100	5334	6.100	5396	6.100	5458	6.100	5520	6.100	5582	6.100	5644	6.100	5706	6.100
5273	6.100	5335	6.100	5397	6.100	5459	6.100	5521	6.100	5583	6.100	5645	6.100	5707	6.100
5274	6.100	5336	6.100	5398	6.100	5460	6.100	5522	6.100	5584	6.100	5646	6.100	5708	6.100
5275	6.100	5337	6.100	5399	6.100	5461	6.100	5523	6.100	5585	6.100	5647	6.100	5709	6.100
5276	6.100	5338	6.100	5400	6.100	5462	6.100	5524	6.100	5586	6.100	5648	6.100	5710	6.100
5277	6.100	5339	6.100	5401	6.100	5463	6.100	5525	6.100	5587	6.100	5649	6.100	5711	6.100
5278	6.100	5340	6.100	5402	6.100	5464	6.100	5526	6.100	5588	6.100	5650	6.100	5712	6.100
5279	6.100	5341	6.100	5403	6.100	5465	6.100	5527	6.100	5589	6.100	5651	6.100	5713	6.100
5280	6.100	5342	6.100	5404	6.100	5466	6.100	5528	6.100	5590	6.100	5652	6.100	5714	6.100
5281	6.100	5343	6.100	5405	6.100	5467	6.100	5529	6.100	5591	6.100	5653	6.100	5715	6.100
5282	6.100	5344	6.100	5406	6.100	5468	6.100	5530	6.100	5592	6.100	5654	6.100	5716	6.100
5283	6.100	5345	6.100	5407	6.100	5469	6.100	5531	6.100	5593	6.100	5655	6.100	5717	6.100
5284	6.100	5346	6.100	5408	6.100	5470	6.100	5532	6.100	5594	6.100	5656	6.100	5718	6.100
5285	6.100	5347	6.100	5409	6.100	5471	6.100	5533	6.100	5595	6.100	5657	6.100	5719	6.100
5286	6.100	5348	6.100	5410	6.100	5472	6.100	5534	6.100	5596	6.100	5658	6.100	5720	6.100
5287	6.100	5349	6.100	5411	6.100	5473	6.100	5535	6.100	5597	6.100	5659	6.100	5721	6.100
5288	6.100	5350	6.100	5412	6.100	5474	6.100	5536	6.100	5598	6.100	5660	6.100	5722	6.100
5289	6.100	5351	6.100	5413	6.100	5475	6.100	5537	6.100	5599	6.100	5661	6.100	5723	6.100
5290	6.100	5352	6.100	5414	6.100	5476	6.100	5538	6.100	5600	6.100	5662	6.100	5724	6.100
5291	6.100	5353	6.100	5415	6.100	5477	6.100	5539	6.100	5601	6.100	5663	6.100	5725	6.100
5292	6.100	5354	6.100	5416	6.100	5478	6.100	5540	6.100	5602	6.100	5664	6.100	5726	6.100
5293	6.100	5355	6.100	5417	6.100	5479	6.100	5541	6.100	5603	6.100	5665	6.100	5727	6.100
5294	6.100	5356	6.100	5418	6.100	5480	6.100	5542	6.100	5604	6.100	5666	6.100	5728	6.100
5295	6.100	5357	6.100	5419	6.100	5481	6.100	5543	6.100	5605	6.100	5667	6.100	5729	6.100
5296	6.100	5358	6.100	5420	6.100	5482	6.100	5544	6.100	5606	6.100	5668	6.100	5730	6.100
5297	6.100	5359	6.100	5421	6.100	5483	6.100	5545	6.100	5607	6.100	5669	6.100	5731	6.100
5298	6.100	5360	6.100	5422	6.100	5484	6.100	5546	6.100	5608	6.100	5670	6.100	5732	6.100
5299	6.100	5361	6.100	5423	6.100	5485	6.100	5547	6.100	5609	6.100	5671	6.100	5733	6.100
5300	6.100	5362	6.100	5424	6.100	5486	6.100	5548	6.100	5610	6.100	5672	6.100	5734	6.100
5301	6.100	5363	6.100	5425	6.100	5487	6.100	5549	6.100	5611	6.100	5673	6.100	5735	6.100
5302	6.100	5364	6.100	5426	6.100	5488	6.100	5550	6.100	5612	6.100	5674	6.100	5736	6.100
5303	6.100	5365	6.100	5427	6.100	5489	6.100	5551	6.100	5613	6.100	5675	6.100	5737	6.100
5304	6.100	5366	6.100	5428	6.100	5490	6.100	5552	6.100	5614	6.100	5676	6.100	5738	6.100
5305	6.100	5367	6.100	5429	6.100	5491	6.100	5553	6.100	5615	6.100	5677	6.100	5739	6.100
5306	6.100	5368	6.100	5430	6.100	5492	6.100	5554	6.100	5616	6.100	5678	6.100	5740	6.100
5307	6.100	5369	6.100	5431	6.100	5493	6.100	5555	6.100	5617	6.100	5679	6.100	5741	6.100
5308	6.100	5370	6.100	5432	6.100	5494	6.100	5556	6.100	5618	6.100	5680	6.100	5742	6.100
5309	6.100	5371	6.100	5433	6.100	5495	6.100	5557	6.100	5619	6.100	5681	6.100	5743	6.100
5310	6.100	5372	6.100	5434	6.100	5496	6.100	5558	6.100	5620	6.100	5682	6.100	5744	6.100
5311	6.100	5373	6.100	5435	6.100	5497	6.100	5559	6.100	5621	6.100	5683	6.100	5745	6.100
5312	6.100	5374	6.100	5436	6.100	5498	6.100	5560	6.100	5622	6.100	5684	6.100	5746	6.100
5313	6.100	5375	6.100	5437	6.100	5499	6.100	5561	6.100	5623	6.100	5685	6.100	5747	6.100
5314	6.100	5376	6.100	5438	6.100	5500	6.100	5562	6.100	5624	6.100	5686	6.100	5748	6.100
5315	6.100	5377	6.100	5439	6.100	5501	6.100	5563	6.100	5625	6.100	5687	6.100	5749	6.100
5316	6.100	5378	6.100	5440	6.100	5502	6.100	5564	6.100	5626	6.100	5688	6.100	5750	6.100
5317	6.100	5379	6.100	5441	6.100	5503	6.100	5565	6.100	5627	6.100	5689	6.100	5751	6.100
5318	6.100	5380	6.100	5442	6.100	5504	6.100	5566	6.100	5628	6.100	5690	6.100	5752	6.100



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Designed by UKDEJ003  
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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5815	6.100	5877	6.100	5939	6.100	6001	6.100	6063	6.100	6125	6.100	6187	6.100	6249	6.100
5816	6.100	5878	6.100	5940	6.100	6002	6.100	6064	6.100	6126	6.100	6188	6.100	6250	6.100
5817	6.100	5879	6.100	5941	6.100	6003	6.100	6065	6.100	6127	6.100	6189	6.100	6251	6.100
5818	6.100	5880	6.100	5942	6.100	6004	6.100	6066	6.100	6128	6.100	6190	6.100	6252	6.100
5819	6.100	5881	6.100	5943	6.100	6005	6.100	6067	6.100	6129	6.100	6191	6.100	6253	6.100
5820	6.100	5882	6.100	5944	6.100	6006	6.100	6068	6.100	6130	6.100	6192	6.100	6254	6.100
5821	6.100	5883	6.100	5945	6.100	6007	6.100	6069	6.100	6131	6.100	6193	6.100	6255	6.100
5822	6.100	5884	6.100	5946	6.100	6008	6.100	6070	6.100	6132	6.100	6194	6.100	6256	6.100
5823	6.100	5885	6.100	5947	6.100	6009	6.100	6071	6.100	6133	6.100	6195	6.100	6257	6.100
5824	6.100	5886	6.100	5948	6.100	6010	6.100	6072	6.100	6134	6.100	6196	6.100	6258	6.100
5825	6.100	5887	6.100	5949	6.100	6011	6.100	6073	6.100	6135	6.100	6197	6.100	6259	6.100
5826	6.100	5888	6.100	5950	6.100	6012	6.100	6074	6.100	6136	6.100	6198	6.100	6260	6.100
5827	6.100	5889	6.100	5951	6.100	6013	6.100	6075	6.100	6137	6.100	6199	6.100	6261	6.100
5828	6.100	5890	6.100	5952	6.100	6014	6.100	6076	6.100	6138	6.100	6200	6.100	6262	6.100
5829	6.100	5891	6.100	5953	6.100	6015	6.100	6077	6.100	6139	6.100	6201	6.100	6263	6.100
5830	6.100	5892	6.100	5954	6.100	6016	6.100	6078	6.100	6140	6.100	6202	6.100	6264	6.100
5831	6.100	5893	6.100	5955	6.100	6017	6.100	6079	6.100	6141	6.100	6203	6.100	6265	6.100
5832	6.100	5894	6.100	5956	6.100	6018	6.100	6080	6.100	6142	6.100	6204	6.100	6266	6.100
5833	6.100	5895	6.100	5957	6.100	6019	6.100	6081	6.100	6143	6.100	6205	6.100	6267	6.100
5834	6.100	5896	6.100	5958	6.100	6020	6.100	6082	6.100	6144	6.100	6206	6.100	6268	6.100
5835	6.100	5897	6.100	5959	6.100	6021	6.100	6083	6.100	6145	6.100	6207	6.100	6269	6.100
5836	6.100	5898	6.100	5960	6.100	6022	6.100	6084	6.100	6146	6.100	6208	6.100	6270	6.100
5837	6.100	5899	6.100	5961	6.100	6023	6.100	6085	6.100	6147	6.100	6209	6.100	6271	6.100
5838	6.100	5900	6.100	5962	6.100	6024	6.100	6086	6.100	6148	6.100	6210	6.100	6272	6.100
5839	6.100	5901	6.100	5963	6.100	6025	6.100	6087	6.100	6149	6.100	6211	6.100	6273	6.100
5840	6.100	5902	6.100	5964	6.100	6026	6.100	6088	6.100	6150	6.100	6212	6.100	6274	6.100
5841	6.100	5903	6.100	5965	6.100	6027	6.100	6089	6.100	6151	6.100	6213	6.100	6275	6.100
5842	6.100	5904	6.100	5966	6.100	6028	6.100	6090	6.100	6152	6.100	6214	6.100	6276	6.100
5843	6.100	5905	6.100	5967	6.100	6029	6.100	6091	6.100	6153	6.100	6215	6.100	6277	6.100
5844	6.100	5906	6.100	5968	6.100	6030	6.100	6092	6.100	6154	6.100	6216	6.100	6278	6.100
5845	6.100	5907	6.100	5969	6.100	6031	6.100	6093	6.100	6155	6.100	6217	6.100	6279	6.100
5846	6.100	5908	6.100	5970	6.100	6032	6.100	6094	6.100	6156	6.100	6218	6.100	6280	6.100
5847	6.100	5909	6.100	5971	6.100	6033	6.100	6095	6.100	6157	6.100	6219	6.100	6281	6.100
5848	6.100	5910	6.100	5972	6.100	6034	6.100	6096	6.100	6158	6.100	6220	6.100	6282	6.100
5849	6.100	5911	6.100	5973	6.100	6035	6.100	6097	6.100	6159	6.100	6221	6.100	6283	6.100
5850	6.100	5912	6.100	5974	6.100	6036	6.100	6098	6.100	6160	6.100	6222	6.100	6284	6.100
5851	6.100	5913	6.100	5975	6.100	6037	6.100	6099	6.100	6161	6.100	6223	6.100	6285	6.100
5852	6.100	5914	6.100	5976	6.100	6038	6.100	6100	6.100	6162	6.100	6224	6.100	6286	6.100
5853	6.100	5915	6.100	5977	6.100	6039	6.100	6101	6.100	6163	6.100	6225	6.100	6287	6.100
5854	6.100	5916	6.100	5978	6.100	6040	6.100	6102	6.100	6164	6.100	6226	6.100	6288	6.100
5855	6.100	5917	6.100	5979	6.100	6041	6.100	6103	6.100	6165	6.100	6227	6.100	6289	6.100
5856	6.100	5918	6.100	5980	6.100	6042	6.100	6104	6.100	6166	6.100	6228	6.100	6290	6.100
5857	6.100	5919	6.100	5981	6.100	6043	6.100	6105	6.100	6167	6.100	6229	6.100	6291	6.100
5858	6.100	5920	6.100	5982	6.100	6044	6.100	6106	6.100	6168	6.100	6230	6.100	6292	6.100
5859	6.100	5921	6.100	5983	6.100	6045	6.100	6107	6.100	6169	6.100	6231	6.100	6293	6.100
5860	6.100	5922	6.100	5984	6.100	6046	6.100	6108	6.100	6170	6.100	6232	6.100	6294	6.100
5861	6.100	5923	6.100	5985	6.100	6047	6.100	6109	6.100	6171	6.100	6233	6.100	6295	6.100
5862	6.100	5924	6.100	5986	6.100	6048	6.100	6110	6.100	6172	6.100	6234	6.100	6296	6.100
5863	6.100	5925	6.100	5987	6.100	6049	6.100	6111	6.100	6173	6.100	6235	6.100	6297	6.100
5864	6.100	5926	6.100	5988	6.100	6050	6.100	6112	6.100	6174	6.100	6236	6.100	6298	6.100
5865	6.100	5927	6.100	5989	6.100	6051	6.100	6113	6.100	6175	6.100	6237	6.100	6299	6.100
5866	6.100	5928	6.100	5990	6.100	6052	6.100	6114	6.100	6176	6.100	6238	6.100	6300	6.100
5867	6.100	5929	6.100	5991	6.100	6053	6.100	6115	6.100	6177	6.100	6239	6.100	6301	6.100
5868	6.100	5930	6.100	5992	6.100	6054	6.100	6116	6.100	6178	6.100	6240	6.100	6302	6.100
5869	6.100	5931	6.100	5993	6.100	6055	6.100	6117	6.100	6179	6.100	6241	6.100	6303	6.100
5870	6.100	5932	6.100	5994	6.100	6056	6.100	6118	6.100	6180	6.100	6242	6.100	6304	6.100
5871	6.100	5933	6.100	5995	6.100	6057	6.100	6119	6.100	6181	6.100	6243	6.100	6305	6.100
5872	6.100	5934	6.100	5996	6.100	6058	6.100	6120	6.100	6182	6.100	6244	6.100	6306	6.100
5873	6.100	5935	6.100	5997	6.100	6059	6.100	6121	6.100	6183	6.100	6245	6.100	6307	6.100
5874	6.100	5936	6.100	5998	6.100	6060	6.100	6122	6.100	6184	6.100	6246	6.100	6308	6.100
5875	6.100	5937	6.100	5999	6.100	6061	6.100	6123	6.100	6185	6.100	6247	6.100	6309	6.100
5876	6.100	5938	6.100	6000	6.100	6062	6.100	6124	6.100	6186	6.100	6248	6.100	6310	6.100



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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6373	6.100	6435	6.100	6497	6.100	6559	6.100	6621	6.100	6683	6.100	6745	6.100	6807	6.100
6374	6.100	6436	6.100	6498	6.100	6560	6.100	6622	6.100	6684	6.100	6746	6.100	6808	6.100
6375	6.100	6437	6.100	6499	6.100	6561	6.100	6623	6.100	6685	6.100	6747	6.100	6809	6.100
6376	6.100	6438	6.100	6500	6.100	6562	6.100	6624	6.100	6686	6.100	6748	6.100	6810	6.100
6377	6.100	6439	6.100	6501	6.100	6563	6.100	6625	6.100	6687	6.100	6749	6.100	6811	6.100
6378	6.100	6440	6.100	6502	6.100	6564	6.100	6626	6.100	6688	6.100	6750	6.100	6812	6.100
6379	6.100	6441	6.100	6503	6.100	6565	6.100	6627	6.100	6689	6.100	6751	6.100	6813	6.100
6380	6.100	6442	6.100	6504	6.100	6566	6.100	6628	6.100	6690	6.100	6752	6.100	6814	6.100
6381	6.100	6443	6.100	6505	6.100	6567	6.100	6629	6.100	6691	6.100	6753	6.100	6815	6.100
6382	6.100	6444	6.100	6506	6.100	6568	6.100	6630	6.100	6692	6.100	6754	6.100	6816	6.100
6383	6.100	6445	6.100	6507	6.100	6569	6.100	6631	6.100	6693	6.100	6755	6.100	6817	6.100
6384	6.100	6446	6.100	6508	6.100	6570	6.100	6632	6.100	6694	6.100	6756	6.100	6818	6.100
6385	6.100	6447	6.100	6509	6.100	6571	6.100	6633	6.100	6695	6.100	6757	6.100	6819	6.100
6386	6.100	6448	6.100	6510	6.100	6572	6.100	6634	6.100	6696	6.100	6758	6.100	6820	6.100
6387	6.100	6449	6.100	6511	6.100	6573	6.100	6635	6.100	6697	6.100	6759	6.100	6821	6.100
6388	6.100	6450	6.100	6512	6.100	6574	6.100	6636	6.100	6698	6.100	6760	6.100	6822	6.100
6389	6.100	6451	6.100	6513	6.100	6575	6.100	6637	6.100	6699	6.100	6761	6.100	6823	6.100
6390	6.100	6452	6.100	6514	6.100	6576	6.100	6638	6.100	6700	6.100	6762	6.100	6824	6.100
6391	6.100	6453	6.100	6515	6.100	6577	6.100	6639	6.100	6701	6.100	6763	6.100	6825	6.100
6392	6.100	6454	6.100	6516	6.100	6578	6.100	6640	6.100	6702	6.100	6764	6.100	6826	6.100
6393	6.100	6455	6.100	6517	6.100	6579	6.100	6641	6.100	6703	6.100	6765	6.100	6827	6.100
6394	6.100	6456	6.100	6518	6.100	6580	6.100	6642	6.100	6704	6.100	6766	6.100	6828	6.100
6395	6.100	6457	6.100	6519	6.100	6581	6.100	6643	6.100	6705	6.100	6767	6.100	6829	6.100
6396	6.100	6458	6.100	6520	6.100	6582	6.100	6644	6.100	6706	6.100	6768	6.100	6830	6.100
6397	6.100	6459	6.100	6521	6.100	6583	6.100	6645	6.100	6707	6.100	6769	6.100	6831	6.100
6398	6.100	6460	6.100	6522	6.100	6584	6.100	6646	6.100	6708	6.100	6770	6.100	6832	6.100
6399	6.100	6461	6.100	6523	6.100	6585	6.100	6647	6.100	6709	6.100	6771	6.100	6833	6.100
6400	6.100	6462	6.100	6524	6.100	6586	6.100	6648	6.100	6710	6.100	6772	6.100	6834	6.100
6401	6.100	6463	6.100	6525	6.100	6587	6.100	6649	6.100	6711	6.100	6773	6.100	6835	6.100
6402	6.100	6464	6.100	6526	6.100	6588	6.100	6650	6.100	6712	6.100	6774	6.100	6836	6.100
6403	6.100	6465	6.100	6527	6.100	6589	6.100	6651	6.100	6713	6.100	6775	6.100	6837	6.100
6404	6.100	6466	6.100	6528	6.100	6590	6.100	6652	6.100	6714	6.100	6776	6.100	6838	6.100
6405	6.100	6467	6.100	6529	6.100	6591	6.100	6653	6.100	6715	6.100	6777	6.100	6839	6.100
6406	6.100	6468	6.100	6530	6.100	6592	6.100	6654	6.100	6716	6.100	6778	6.100	6840	6.100
6407	6.100	6469	6.100	6531	6.100	6593	6.100	6655	6.100	6717	6.100	6779	6.100	6841	6.100
6408	6.100	6470	6.100	6532	6.100	6594	6.100	6656	6.100	6718	6.100	6780	6.100	6842	6.100
6409	6.100	6471	6.100	6533	6.100	6595	6.100	6657	6.100	6719	6.100	6781	6.100	6843	6.100
6410	6.100	6472	6.100	6534	6.100	6596	6.100	6658	6.100	6720	6.100	6782	6.100	6844	6.100
6411	6.100	6473	6.100	6535	6.100	6597	6.100	6659	6.100	6721	6.100	6783	6.100	6845	6.100
6412	6.100	6474	6.100	6536	6.100	6598	6.100	6660	6.100	6722	6.100	6784	6.100	6846	6.100
6413	6.100	6475	6.100	6537	6.100	6599	6.100	6661	6.100	6723	6.100	6785	6.100	6847	6.100
6414	6.100	6476	6.100	6538	6.100	6600	6.100	6662	6.100	6724	6.100	6786	6.100	6848	6.100
6415	6.100	6477	6.100	6539	6.100	6601	6.100	6663	6.100	6725	6.100	6787	6.100	6849	6.100
6416	6.100	6478	6.100	6540	6.100	6602	6.100	6664	6.100	6726	6.100	6788	6.100	6850	6.100
6417	6.100	6479	6.100	6541	6.100	6603	6.100	6665	6.100	6727	6.100	6789	6.100	6851	6.100
6418	6.100	6480	6.100	6542	6.100	6604	6.100	6666	6.100	6728	6.100	6790	6.100	6852	6.100
6419	6.100	6481	6.100	6543	6.100	6605	6.100	6667	6.100	6729	6.100	6791	6.100	6853	6.100
6420	6.100	6482	6.100	6544	6.100	6606	6.100	6668	6.100	6730	6.100	6792	6.100	6854	6.100
6421	6.100	6483	6.100	6545	6.100	6607	6.100	6669	6.100	6731	6.100	6793	6.100	6855	6.100
6422	6.100	6484	6.100	6546	6.100	6608	6.100	6670	6.100	6732	6.100	6794	6.100	6856	6.100
6423	6.100	6485	6.100	6547	6.100	6609	6.100	6671	6.100	6733	6.100	6795	6.100	6857	6.100
6424	6.100	6486	6.100	6548	6.100	6610	6.100	6672	6.100	6734	6.100	6796	6.100	6858	6.100
6425	6.100	6487	6.100	6549	6.100	6611	6.100	6673	6.100	6735	6.100	6797	6.100	6859	6.100
6426	6.100	6488	6.100	6550	6.100	6612	6.100	6674	6.100	6736	6.100	6798	6.100	6860	6.100
6427	6.100	6489	6.100	6551	6.100	6613	6.100	6675	6.100	6737	6.100	6799	6.100	6861	6.100
6428	6.100	6490	6.100	6552	6.100	6614	6.100	6676	6.100	6738	6.100	6800	6.100	6862	6.100
6429	6.100	6491	6.100	6553	6.100	6615	6.100	6677	6.100	6739	6.100	6801	6.100	6863	6.100
6430	6.100	6492	6.100	6554	6.100	6616	6.100	6678	6.100	6740	6.100	6802	6.100	6864	6.100
6431	6.100	6493	6.100	6555	6.100	6617	6.100	6679	6.100	6741	6.100	6803	6.100	6865	6.100
6432	6.100	6494	6.100	6556	6.100	6618	6.100	6680	6.100	6742	6.100	6804	6.100	6866	6.100
6433	6.100	6495	6.100	6557	6.100	6619	6.100	6681	6.100	6743	6.100	6805	6.100	6867	6.100
6434	6.100	6496	6.100	6558	6.100	6620	6.100	6682	6.100	6744	6.100	6806	6.100	6868	6.100



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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6931	6.100	6993	6.100	7055	6.100	7117	6.100	7179	6.100	7241	6.100	7303	6.100	7365	6.100
6932	6.100	6994	6.100	7056	6.100	7118	6.100	7180	6.100	7242	6.100	7304	6.100	7366	6.100
6933	6.100	6995	6.100	7057	6.100	7119	6.100	7181	6.100	7243	6.100	7305	6.100	7367	6.100
6934	6.100	6996	6.100	7058	6.100	7120	6.100	7182	6.100	7244	6.100	7306	6.100	7368	6.100
6935	6.100	6997	6.100	7059	6.100	7121	6.100	7183	6.100	7245	6.100	7307	6.100	7369	6.100
6936	6.100	6998	6.100	7060	6.100	7122	6.100	7184	6.100	7246	6.100	7308	6.100	7370	6.100
6937	6.100	6999	6.100	7061	6.100	7123	6.100	7185	6.100	7247	6.100	7309	6.100	7371	6.100
6938	6.100	7000	6.100	7062	6.100	7124	6.100	7186	6.100	7248	6.100	7310	6.100	7372	6.100
6939	6.100	7001	6.100	7063	6.100	7125	6.100	7187	6.100	7249	6.100	7311	6.100	7373	6.100
6940	6.100	7002	6.100	7064	6.100	7126	6.100	7188	6.100	7250	6.100	7312	6.100	7374	6.100
6941	6.100	7003	6.100	7065	6.100	7127	6.100	7189	6.100	7251	6.100	7313	6.100	7375	6.100
6942	6.100	7004	6.100	7066	6.100	7128	6.100	7190	6.100	7252	6.100	7314	6.100	7376	6.100
6943	6.100	7005	6.100	7067	6.100	7129	6.100	7191	6.100	7253	6.100	7315	6.100	7377	6.100
6944	6.100	7006	6.100	7068	6.100	7130	6.100	7192	6.100	7254	6.100	7316	6.100	7378	6.100
6945	6.100	7007	6.100	7069	6.100	7131	6.100	7193	6.100	7255	6.100	7317	6.100	7379	6.100
6946	6.100	7008	6.100	7070	6.100	7132	6.100	7194	6.100	7256	6.100	7318	6.100	7380	6.100
6947	6.100	7009	6.100	7071	6.100	7133	6.100	7195	6.100	7257	6.100	7319	6.100	7381	6.100
6948	6.100	7010	6.100	7072	6.100	7134	6.100	7196	6.100	7258	6.100	7320	6.100	7382	6.100
6949	6.100	7011	6.100	7073	6.100	7135	6.100	7197	6.100	7259	6.100	7321	6.100	7383	6.100
6950	6.100	7012	6.100	7074	6.100	7136	6.100	7198	6.100	7260	6.100	7322	6.100	7384	6.100
6951	6.100	7013	6.100	7075	6.100	7137	6.100	7199	6.100	7261	6.100	7323	6.100	7385	6.100
6952	6.100	7014	6.100	7076	6.100	7138	6.100	7200	6.100	7262	6.100	7324	6.100	7386	6.100
6953	6.100	7015	6.100	7077	6.100	7139	6.100	7201	6.100	7263	6.100	7325	6.100	7387	6.100
6954	6.100	7016	6.100	7078	6.100	7140	6.100	7202	6.100	7264	6.100	7326	6.100	7388	6.100
6955	6.100	7017	6.100	7079	6.100	7141	6.100	7203	6.100	7265	6.100	7327	6.100	7389	6.100
6956	6.100	7018	6.100	7080	6.100	7142	6.100	7204	6.100	7266	6.100	7328	6.100	7390	6.100
6957	6.100	7019	6.100	7081	6.100	7143	6.100	7205	6.100	7267	6.100	7329	6.100	7391	6.100
6958	6.100	7020	6.100	7082	6.100	7144	6.100	7206	6.100	7268	6.100	7330	6.100	7392	6.100
6959	6.100	7021	6.100	7083	6.100	7145	6.100	7207	6.100	7269	6.100	7331	6.100	7393	6.100
6960	6.100	7022	6.100	7084	6.100	7146	6.100	7208	6.100	7270	6.100	7332	6.100	7394	6.100
6961	6.100	7023	6.100	7085	6.100	7147	6.100	7209	6.100	7271	6.100	7333	6.100	7395	6.100
6962	6.100	7024	6.100	7086	6.100	7148	6.100	7210	6.100	7272	6.100	7334	6.100	7396	6.100
6963	6.100	7025	6.100	7087	6.100	7149	6.100	7211	6.100	7273	6.100	7335	6.100	7397	6.100
6964	6.100	7026	6.100	7088	6.100	7150	6.100	7212	6.100	7274	6.100	7336	6.100	7398	6.100
6965	6.100	7027	6.100	7089	6.100	7151	6.100	7213	6.100	7275	6.100	7337	6.100	7399	6.100
6966	6.100	7028	6.100	7090	6.100	7152	6.100	7214	6.100	7276	6.100	7338	6.100	7400	6.100
6967	6.100	7029	6.100	7091	6.100	7153	6.100	7215	6.100	7277	6.100	7339	6.100	7401	6.100
6968	6.100	7030	6.100	7092	6.100	7154	6.100	7216	6.100	7278	6.100	7340	6.100	7402	6.100
6969	6.100	7031	6.100	7093	6.100	7155	6.100	7217	6.100	7279	6.100	7341	6.100	7403	6.100
6970	6.100	7032	6.100	7094	6.100	7156	6.100	7218	6.100	7280	6.100	7342	6.100	7404	6.100
6971	6.100	7033	6.100	7095	6.100	7157	6.100	7219	6.100	7281	6.100	7343	6.100	7405	6.100
6972	6.100	7034	6.100	7096	6.100	7158	6.100	7220	6.100	7282	6.100	7344	6.100	7406	6.100
6973	6.100	7035	6.100	7097	6.100	7159	6.100	7221	6.100	7283	6.100	7345	6.100	7407	6.100
6974	6.100	7036	6.100	7098	6.100	7160	6.100	7222	6.100	7284	6.100	7346	6.100	7408	6.100
6975	6.100	7037	6.100	7099	6.100	7161	6.100	7223	6.100	7285	6.100	7347	6.100	7409	6.100
6976	6.100	7038	6.100	7100	6.100	7162	6.100	7224	6.100	7286	6.100	7348	6.100	7410	6.100
6977	6.100	7039	6.100	7101	6.100	7163	6.100	7225	6.100	7287	6.100	7349	6.100	7411	6.100
6978	6.100	7040	6.100	7102	6.100	7164	6.100	7226	6.100	7288	6.100	7350	6.100	7412	6.100
6979	6.100	7041	6.100	7103	6.100	7165	6.100	7227	6.100	7289	6.100	7351	6.100	7413	6.100
6980	6.100	7042	6.100	7104	6.100	7166	6.100	7228	6.100	7290	6.100	7352	6.100	7414	6.100
6981	6.100	7043	6.100	7105	6.100	7167	6.100	7229	6.100	7291	6.100	7353	6.100	7415	6.100
6982	6.100	7044	6.100	7106	6.100	7168	6.100	7230	6.100	7292	6.100	7354	6.100	7416	6.100
6983	6.100	7045	6.100	7107	6.100	7169	6.100	7231	6.100	7293	6.100	7355	6.100	7417	6.100
6984	6.100	7046	6.100	7108	6.100	7170	6.100	7232	6.100	7294	6.100	7356	6.100	7418	6.100
6985	6.100	7047	6.100	7109	6.100	7171	6.100	7233	6.100	7295	6.100	7357	6.100	7419	6.100
6986	6.100	7048	6.100	7110	6.100	7172	6.100	7234	6.100	7296	6.100	7358	6.100	7420	6.100
6987	6.100	7049	6.100	7111	6.100	7173	6.100	7235	6.100	7297	6.100	7359	6.100	7421	6.100
6988	6.100	7050	6.100	7112	6.100	7174	6.100	7236	6.100	7298	6.100	7360	6.100	7422	6.100
6989	6.100	7051	6.100	7113	6.100	7175	6.100	7237	6.100	7299	6.100	7361	6.100	7423	6.100
6990	6.100	7052	6.100	7114	6.100	7176	6.100	7238	6.100	7300	6.100	7362	6.100	7424	6.100
6991	6.100	7053	6.100	7115	6.100	7177	6.100	7239	6.100	7301	6.100	7363	6.100	7425	6.100
6992	6.100	7054	6.100	7116	6.100	7178	6.100	7240	6.100	7302	6.100	7364	6.100	7426	6.100



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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7489	6.100	7551	6.100	7613	6.100	7675	6.100	7737	6.100	7799	6.100	7861	6.100	7923	6.100
7490	6.100	7552	6.100	7614	6.100	7676	6.100	7738	6.100	7800	6.100	7862	6.100	7924	6.100
7491	6.100	7553	6.100	7615	6.100	7677	6.100	7739	6.100	7801	6.100	7863	6.100	7925	6.100
7492	6.100	7554	6.100	7616	6.100	7678	6.100	7740	6.100	7802	6.100	7864	6.100	7926	6.100
7493	6.100	7555	6.100	7617	6.100	7679	6.100	7741	6.100	7803	6.100	7865	6.100	7927	6.100
7494	6.100	7556	6.100	7618	6.100	7680	6.100	7742	6.100	7804	6.100	7866	6.100	7928	6.100
7495	6.100	7557	6.100	7619	6.100	7681	6.100	7743	6.100	7805	6.100	7867	6.100	7929	6.100
7496	6.100	7558	6.100	7620	6.100	7682	6.100	7744	6.100	7806	6.100	7868	6.100	7930	6.100
7497	6.100	7559	6.100	7621	6.100	7683	6.100	7745	6.100	7807	6.100	7869	6.100	7931	6.100
7498	6.100	7560	6.100	7622	6.100	7684	6.100	7746	6.100	7808	6.100	7870	6.100	7932	6.100
7499	6.100	7561	6.100	7623	6.100	7685	6.100	7747	6.100	7809	6.100	7871	6.100	7933	6.100
7500	6.100	7562	6.100	7624	6.100	7686	6.100	7748	6.100	7810	6.100	7872	6.100	7934	6.100
7501	6.100	7563	6.100	7625	6.100	7687	6.100	7749	6.100	7811	6.100	7873	6.100	7935	6.100
7502	6.100	7564	6.100	7626	6.100	7688	6.100	7750	6.100	7812	6.100	7874	6.100	7936	6.100
7503	6.100	7565	6.100	7627	6.100	7689	6.100	7751	6.100	7813	6.100	7875	6.100	7937	6.100
7504	6.100	7566	6.100	7628	6.100	7690	6.100	7752	6.100	7814	6.100	7876	6.100	7938	6.100
7505	6.100	7567	6.100	7629	6.100	7691	6.100	7753	6.100	7815	6.100	7877	6.100	7939	6.100
7506	6.100	7568	6.100	7630	6.100	7692	6.100	7754	6.100	7816	6.100	7878	6.100	7940	6.100
7507	6.100	7569	6.100	7631	6.100	7693	6.100	7755	6.100	7817	6.100	7879	6.100	7941	6.100
7508	6.100	7570	6.100	7632	6.100	7694	6.100	7756	6.100	7818	6.100	7880	6.100	7942	6.100
7509	6.100	7571	6.100	7633	6.100	7695	6.100	7757	6.100	7819	6.100	7881	6.100	7943	6.100
7510	6.100	7572	6.100	7634	6.100	7696	6.100	7758	6.100	7820	6.100	7882	6.100	7944	6.100
7511	6.100	7573	6.100	7635	6.100	7697	6.100	7759	6.100	7821	6.100	7883	6.100	7945	6.100
7512	6.100	7574	6.100	7636	6.100	7698	6.100	7760	6.100	7822	6.100	7884	6.100	7946	6.100
7513	6.100	7575	6.100	7637	6.100	7699	6.100	7761	6.100	7823	6.100	7885	6.100	7947	6.100
7514	6.100	7576	6.100	7638	6.100	7700	6.100	7762	6.100	7824	6.100	7886	6.100	7948	6.100
7515	6.100	7577	6.100	7639	6.100	7701	6.100	7763	6.100	7825	6.100	7887	6.100	7949	6.100
7516	6.100	7578	6.100	7640	6.100	7702	6.100	7764	6.100	7826	6.100	7888	6.100	7950	6.100
7517	6.100	7579	6.100	7641	6.100	7703	6.100	7765	6.100	7827	6.100	7889	6.100	7951	6.100
7518	6.100	7580	6.100	7642	6.100	7704	6.100	7766	6.100	7828	6.100	7890	6.100	7952	6.100
7519	6.100	7581	6.100	7643	6.100	7705	6.100	7767	6.100	7829	6.100	7891	6.100	7953	6.100
7520	6.100	7582	6.100	7644	6.100	7706	6.100	7768	6.100	7830	6.100	7892	6.100	7954	6.100
7521	6.100	7583	6.100	7645	6.100	7707	6.100	7769	6.100	7831	6.100	7893	6.100	7955	6.100
7522	6.100	7584	6.100	7646	6.100	7708	6.100	7770	6.100	7832	6.100	7894	6.100	7956	6.100
7523	6.100	7585	6.100	7647	6.100	7709	6.100	7771	6.100	7833	6.100	7895	6.100	7957	6.100
7524	6.100	7586	6.100	7648	6.100	7710	6.100	7772	6.100	7834	6.100	7896	6.100	7958	6.100
7525	6.100	7587	6.100	7649	6.100	7711	6.100	7773	6.100	7835	6.100	7897	6.100	7959	6.100
7526	6.100	7588	6.100	7650	6.100	7712	6.100	7774	6.100	7836	6.100	7898	6.100	7960	6.100
7527	6.100	7589	6.100	7651	6.100	7713	6.100	7775	6.100	7837	6.100	7899	6.100	7961	6.100
7528	6.100	7590	6.100	7652	6.100	7714	6.100	7776	6.100	7838	6.100	7900	6.100	7962	6.100
7529	6.100	7591	6.100	7653	6.100	7715	6.100	7777	6.100	7839	6.100	7901	6.100	7963	6.100
7530	6.100	7592	6.100	7654	6.100	7716	6.100	7778	6.100	7840	6.100	7902	6.100	7964	6.100
7531	6.100	7593	6.100	7655	6.100	7717	6.100	7779	6.100	7841	6.100	7903	6.100	7965	6.100
7532	6.100	7594	6.100	7656	6.100	7718	6.100	7780	6.100	7842	6.100	7904	6.100	7966	6.100
7533	6.100	7595	6.100	7657	6.100	7719	6.100	7781	6.100	7843	6.100	7905	6.100	7967	6.100
7534	6.100	7596	6.100	7658	6.100	7720	6.100	7782	6.100	7844	6.100	7906	6.100	7968	6.100
7535	6.100	7597	6.100	7659	6.100	7721	6.100	7783	6.100	7845	6.100	7907	6.100	7969	6.100
7536	6.100	7598	6.100	7660	6.100	7722	6.100	7784	6.100	7846	6.100	7908	6.100	7970	6.100
7537	6.100	7599	6.100	7661	6.100	7723	6.100	7785	6.100	7847	6.100	7909	6.100	7971	6.100
7538	6.100	7600	6.100	7662	6.100	7724	6.100	7786	6.100	7848	6.100	7910	6.100	7972	6.100
7539	6.100	7601	6.100	7663	6.100	7725	6.100	7787	6.100	7849	6.100	7911	6.100	7973	6.100
7540	6.100	7602	6.100	7664	6.100	7726	6.100	7788	6.100	7850	6.100	7912	6.100	7974	6.100
7541	6.100	7603	6.100	7665	6.100	7727	6.100	7789	6.100	7851	6.100	7913	6.100	7975	6.100
7542	6.100	7604	6.100	7666	6.100	7728	6.100	7790	6.100	7852	6.100	7914	6.100	7976	6.100
7543	6.100	7605	6.100	7667	6.100	7729	6.100	7791	6.100	7853	6.100	7915	6.100	7977	6.100
7544	6.100	7606	6.100	7668	6.100	7730	6.100	7792	6.100	7854	6.100	7916	6.100	7978	6.100
7545	6.100	7607	6.100	7669	6.100	7731	6.100	7793	6.100	7855	6.100	7917	6.100	7979	6.100
7546	6.100	7608	6.100	7670	6.100	7732	6.100	7794	6.100	7856	6.100	7918	6.100	7980	6.100
7547	6.100	7609	6.100	7671	6.100	7733	6.100	7795	6.100	7857	6.100	7919	6.100	7981	6.100
7548	6.100	7610	6.100	7672	6.100	7734	6.100	7796	6.100	7858	6.100	7920	6.100	7982	6.100
7549	6.100	7611	6.100	7673	6.100	7735	6.100	7797	6.100	7859	6.100	7921	6.100	7983	6.100
7550	6.100	7612	6.100	7674	6.100	7736	6.100	7798	6.100	7860	6.100	7922	6.100	7984	6.100





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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8047	6.100	8109	6.100	8171	6.100	8233	6.100	8295	6.100	8357	6.100	8419	6.100	8481	6.100
8048	6.100	8110	6.100	8172	6.100	8234	6.100	8296	6.100	8358	6.100	8420	6.100	8482	6.100
8049	6.100	8111	6.100	8173	6.100	8235	6.100	8297	6.100	8359	6.100	8421	6.100	8483	6.100
8050	6.100	8112	6.100	8174	6.100	8236	6.100	8298	6.100	8360	6.100	8422	6.100	8484	6.100
8051	6.100	8113	6.100	8175	6.100	8237	6.100	8299	6.100	8361	6.100	8423	6.100	8485	6.100
8052	6.100	8114	6.100	8176	6.100	8238	6.100	8300	6.100	8362	6.100	8424	6.100	8486	6.100
8053	6.100	8115	6.100	8177	6.100	8239	6.100	8301	6.100	8363	6.100	8425	6.100	8487	6.100
8054	6.100	8116	6.100	8178	6.100	8240	6.100	8302	6.100	8364	6.100	8426	6.100	8488	6.100
8055	6.100	8117	6.100	8179	6.100	8241	6.100	8303	6.100	8365	6.100	8427	6.100	8489	6.100
8056	6.100	8118	6.100	8180	6.100	8242	6.100	8304	6.100	8366	6.100	8428	6.100	8490	6.100
8057	6.100	8119	6.100	8181	6.100	8243	6.100	8305	6.100	8367	6.100	8429	6.100	8491	6.100
8058	6.100	8120	6.100	8182	6.100	8244	6.100	8306	6.100	8368	6.100	8430	6.100	8492	6.100
8059	6.100	8121	6.100	8183	6.100	8245	6.100	8307	6.100	8369	6.100	8431	6.100	8493	6.100
8060	6.100	8122	6.100	8184	6.100	8246	6.100	8308	6.100	8370	6.100	8432	6.100	8494	6.100
8061	6.100	8123	6.100	8185	6.100	8247	6.100	8309	6.100	8371	6.100	8433	6.100	8495	6.100
8062	6.100	8124	6.100	8186	6.100	8248	6.100	8310	6.100	8372	6.100	8434	6.100	8496	6.100
8063	6.100	8125	6.100	8187	6.100	8249	6.100	8311	6.100	8373	6.100	8435	6.100	8497	6.100
8064	6.100	8126	6.100	8188	6.100	8250	6.100	8312	6.100	8374	6.100	8436	6.100	8498	6.100
8065	6.100	8127	6.100	8189	6.100	8251	6.100	8313	6.100	8375	6.100	8437	6.100	8499	6.100
8066	6.100	8128	6.100	8190	6.100	8252	6.100	8314	6.100	8376	6.100	8438	6.100	8500	6.100
8067	6.100	8129	6.100	8191	6.100	8253	6.100	8315	6.100	8377	6.100	8439	6.100	8501	6.100
8068	6.100	8130	6.100	8192	6.100	8254	6.100	8316	6.100	8378	6.100	8440	6.100	8502	6.100
8069	6.100	8131	6.100	8193	6.100	8255	6.100	8317	6.100	8379	6.100	8441	6.100	8503	6.100
8070	6.100	8132	6.100	8194	6.100	8256	6.100	8318	6.100	8380	6.100	8442	6.100	8504	6.100
8071	6.100	8133	6.100	8195	6.100	8257	6.100	8319	6.100	8381	6.100	8443	6.100	8505	6.100
8072	6.100	8134	6.100	8196	6.100	8258	6.100	8320	6.100	8382	6.100	8444	6.100	8506	6.100
8073	6.100	8135	6.100	8197	6.100	8259	6.100	8321	6.100	8383	6.100	8445	6.100	8507	6.100
8074	6.100	8136	6.100	8198	6.100	8260	6.100	8322	6.100	8384	6.100	8446	6.100	8508	6.100
8075	6.100	8137	6.100	8199	6.100	8261	6.100	8323	6.100	8385	6.100	8447	6.100	8509	6.100
8076	6.100	8138	6.100	8200	6.100	8262	6.100	8324	6.100	8386	6.100	8448	6.100	8510	6.100
8077	6.100	8139	6.100	8201	6.100	8263	6.100	8325	6.100	8387	6.100	8449	6.100	8511	6.100
8078	6.100	8140	6.100	8202	6.100	8264	6.100	8326	6.100	8388	6.100	8450	6.100	8512	6.100
8079	6.100	8141	6.100	8203	6.100	8265	6.100	8327	6.100	8389	6.100	8451	6.100	8513	6.100
8080	6.100	8142	6.100	8204	6.100	8266	6.100	8328	6.100	8390	6.100	8452	6.100	8514	6.100
8081	6.100	8143	6.100	8205	6.100	8267	6.100	8329	6.100	8391	6.100	8453	6.100	8515	6.100
8082	6.100	8144	6.100	8206	6.100	8268	6.100	8330	6.100	8392	6.100	8454	6.100	8516	6.100
8083	6.100	8145	6.100	8207	6.100	8269	6.100	8331	6.100	8393	6.100	8455	6.100	8517	6.100
8084	6.100	8146	6.100	8208	6.100	8270	6.100	8332	6.100	8394	6.100	8456	6.100	8518	6.100
8085	6.100	8147	6.100	8209	6.100	8271	6.100	8333	6.100	8395	6.100	8457	6.100	8519	6.100
8086	6.100	8148	6.100	8210	6.100	8272	6.100	8334	6.100	8396	6.100	8458	6.100	8520	6.100
8087	6.100	8149	6.100	8211	6.100	8273	6.100	8335	6.100	8397	6.100	8459	6.100	8521	6.100
8088	6.100	8150	6.100	8212	6.100	8274	6.100	8336	6.100	8398	6.100	8460	6.100	8522	6.100
8089	6.100	8151	6.100	8213	6.100	8275	6.100	8337	6.100	8399	6.100	8461	6.100	8523	6.100
8090	6.100	8152	6.100	8214	6.100	8276	6.100	8338	6.100	8400	6.100	8462	6.100	8524	6.100
8091	6.100	8153	6.100	8215	6.100	8277	6.100	8339	6.100	8401	6.100	8463	6.100	8525	6.100
8092	6.100	8154	6.100	8216	6.100	8278	6.100	8340	6.100	8402	6.100	8464	6.100	8526	6.100
8093	6.100	8155	6.100	8217	6.100	8279	6.100	8341	6.100	8403	6.100	8465	6.100	8527	6.100
8094	6.100	8156	6.100	8218	6.100	8280	6.100	8342	6.100	8404	6.100	8466	6.100	8528	6.100
8095	6.100	8157	6.100	8219	6.100	8281	6.100	8343	6.100	8405	6.100	8467	6.100	8529	6.100
8096	6.100	8158	6.100	8220	6.100	8282	6.100	8344	6.100	8406	6.100	8468	6.100	8530	6.100
8097	6.100	8159	6.100	8221	6.100	8283	6.100	8345	6.100	8407	6.100	8469	6.100	8531	6.100
8098	6.100	8160	6.100	8222	6.100	8284	6.100	8346	6.100	8408	6.100	8470	6.100	8532	6.100
8099	6.100	8161	6.100	8223	6.100	8285	6.100	8347	6.100	8409	6.100	8471	6.100	8533	6.100
8100	6.100	8162	6.100	8224	6.100	8286	6.100	8348	6.100	8410	6.100	8472	6.100	8534	6.100
8101	6.100	8163	6.100	8225	6.100	8287	6.100	8349	6.100	8411	6.100	8473	6.100	8535	6.100
8102	6.100	8164	6.100	8226	6.100	8288	6.100	8350	6.100	8412	6.100	8474	6.100	8536	6.100
8103	6.100	8165	6.100	8227	6.100	8289	6.100	8351	6.100	8413	6.100	8475	6.100	8537	6.100
8104	6.100	8166	6.100	8228	6.100	8290	6.100	8352	6.100	8414	6.100	8476	6.100	8538	6.100
8105	6.100	8167	6.100	8229	6.100	8291	6.100	8353	6.100	8415	6.100	8477	6.100	8539	6.100
8106	6.100	8168	6.100	8230	6.100	8292	6.100	8354	6.100	8416	6.100	8478	6.100	8540	6.100
8107	6.100	8169	6.100	8231	6.100	8293	6.100	8355	6.100	8417	6.100	8479	6.100	8541	6.100
8108	6.100	8170	6.100	8232	6.100	8294	6.100	8356	6.100	8418	6.100	8480	6.100	8542	6.100





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File AB-25, 26 10032021 v.MDX

Designed by UKDEJ003  
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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8605	6.100	8667	6.100	8729	6.100	8791	6.100	8853	6.100	8915	6.100	8977	6.100	9039	6.100
8606	6.100	8668	6.100	8730	6.100	8792	6.100	8854	6.100	8916	6.100	8978	6.100	9040	6.100
8607	6.100	8669	6.100	8731	6.100	8793	6.100	8855	6.100	8917	6.100	8979	6.100	9041	6.100
8608	6.100	8670	6.100	8732	6.100	8794	6.100	8856	6.100	8918	6.100	8980	6.100	9042	6.100
8609	6.100	8671	6.100	8733	6.100	8795	6.100	8857	6.100	8919	6.100	8981	6.100	9043	6.100
8610	6.100	8672	6.100	8734	6.100	8796	6.100	8858	6.100	8920	6.100	8982	6.100	9044	6.100
8611	6.100	8673	6.100	8735	6.100	8797	6.100	8859	6.100	8921	6.100	8983	6.100	9045	6.100
8612	6.100	8674	6.100	8736	6.100	8798	6.100	8860	6.100	8922	6.100	8984	6.100	9046	6.100
8613	6.100	8675	6.100	8737	6.100	8799	6.100	8861	6.100	8923	6.100	8985	6.100	9047	6.100
8614	6.100	8676	6.100	8738	6.100	8800	6.100	8862	6.100	8924	6.100	8986	6.100	9048	6.100
8615	6.100	8677	6.100	8739	6.100	8801	6.100	8863	6.100	8925	6.100	8987	6.100	9049	6.100
8616	6.100	8678	6.100	8740	6.100	8802	6.100	8864	6.100	8926	6.100	8988	6.100	9050	6.100
8617	6.100	8679	6.100	8741	6.100	8803	6.100	8865	6.100	8927	6.100	8989	6.100	9051	6.100
8618	6.100	8680	6.100	8742	6.100	8804	6.100	8866	6.100	8928	6.100	8990	6.100	9052	6.100
8619	6.100	8681	6.100	8743	6.100	8805	6.100	8867	6.100	8929	6.100	8991	6.100	9053	6.100
8620	6.100	8682	6.100	8744	6.100	8806	6.100	8868	6.100	8930	6.100	8992	6.100	9054	6.100
8621	6.100	8683	6.100	8745	6.100	8807	6.100	8869	6.100	8931	6.100	8993	6.100	9055	6.100
8622	6.100	8684	6.100	8746	6.100	8808	6.100	8870	6.100	8932	6.100	8994	6.100	9056	6.100
8623	6.100	8685	6.100	8747	6.100	8809	6.100	8871	6.100	8933	6.100	8995	6.100	9057	6.100
8624	6.100	8686	6.100	8748	6.100	8810	6.100	8872	6.100	8934	6.100	8996	6.100	9058	6.100
8625	6.100	8687	6.100	8749	6.100	8811	6.100	8873	6.100	8935	6.100	8997	6.100	9059	6.100
8626	6.100	8688	6.100	8750	6.100	8812	6.100	8874	6.100	8936	6.100	8998	6.100	9060	6.100
8627	6.100	8689	6.100	8751	6.100	8813	6.100	8875	6.100	8937	6.100	8999	6.100	9061	6.100
8628	6.100	8690	6.100	8752	6.100	8814	6.100	8876	6.100	8938	6.100	9000	6.100	9062	6.100
8629	6.100	8691	6.100	8753	6.100	8815	6.100	8877	6.100	8939	6.100	9001	6.100	9063	6.100
8630	6.100	8692	6.100	8754	6.100	8816	6.100	8878	6.100	8940	6.100	9002	6.100	9064	6.100
8631	6.100	8693	6.100	8755	6.100	8817	6.100	8879	6.100	8941	6.100	9003	6.100	9065	6.100
8632	6.100	8694	6.100	8756	6.100	8818	6.100	8880	6.100	8942	6.100	9004	6.100	9066	6.100
8633	6.100	8695	6.100	8757	6.100	8819	6.100	8881	6.100	8943	6.100	9005	6.100	9067	6.100
8634	6.100	8696	6.100	8758	6.100	8820	6.100	8882	6.100	8944	6.100	9006	6.100	9068	6.100
8635	6.100	8697	6.100	8759	6.100	8821	6.100	8883	6.100	8945	6.100	9007	6.100	9069	6.100
8636	6.100	8698	6.100	8760	6.100	8822	6.100	8884	6.100	8946	6.100	9008	6.100	9070	6.100
8637	6.100	8699	6.100	8761	6.100	8823	6.100	8885	6.100	8947	6.100	9009	6.100	9071	6.100
8638	6.100	8700	6.100	8762	6.100	8824	6.100	8886	6.100	8948	6.100	9010	6.100	9072	6.100
8639	6.100	8701	6.100	8763	6.100	8825	6.100	8887	6.100	8949	6.100	9011	6.100	9073	6.100
8640	6.100	8702	6.100	8764	6.100	8826	6.100	8888	6.100	8950	6.100	9012	6.100	9074	6.100
8641	6.100	8703	6.100	8765	6.100	8827	6.100	8889	6.100	8951	6.100	9013	6.100	9075	6.100
8642	6.100	8704	6.100	8766	6.100	8828	6.100	8890	6.100	8952	6.100	9014	6.100	9076	6.100
8643	6.100	8705	6.100	8767	6.100	8829	6.100	8891	6.100	8953	6.100	9015	6.100	9077	6.100
8644	6.100	8706	6.100	8768	6.100	8830	6.100	8892	6.100	8954	6.100	9016	6.100	9078	6.100
8645	6.100	8707	6.100	8769	6.100	8831	6.100	8893	6.100	8955	6.100	9017	6.100	9079	6.100
8646	6.100	8708	6.100	8770	6.100	8832	6.100	8894	6.100	8956	6.100	9018	6.100	9080	6.100
8647	6.100	8709	6.100	8771	6.100	8833	6.100	8895	6.100	8957	6.100	9019	6.100	9081	6.100
8648	6.100	8710	6.100	8772	6.100	8834	6.100	8896	6.100	8958	6.100	9020	6.100	9082	6.100
8649	6.100	8711	6.100	8773	6.100	8835	6.100	8897	6.100	8959	6.100	9021	6.100	9083	6.100
8650	6.100	8712	6.100	8774	6.100	8836	6.100	8898	6.100	8960	6.100	9022	6.100	9084	6.100
8651	6.100	8713	6.100	8775	6.100	8837	6.100	8899	6.100	8961	6.100	9023	6.100	9085	6.100
8652	6.100	8714	6.100	8776	6.100	8838	6.100	8900	6.100	8962	6.100	9024	6.100	9086	6.100
8653	6.100	8715	6.100	8777	6.100	8839	6.100	8901	6.100	8963	6.100	9025	6.100	9087	6.100
8654	6.100	8716	6.100	8778	6.100	8840	6.100	8902	6.100	8964	6.100	9026	6.100	9088	6.100
8655	6.100	8717	6.100	8779	6.100	8841	6.100	8903	6.100	8965	6.100	9027	6.100	9089	6.100
8656	6.100	8718	6.100	8780	6.100	8842	6.100	8904	6.100	8966	6.100	9028	6.100	9090	6.100
8657	6.100	8719	6.100	8781	6.100	8843	6.100	8905	6.100	8967	6.100	9029	6.100	9091	6.100
8658	6.100	8720	6.100	8782	6.100	8844	6.100	8906	6.100	8968	6.100	9030	6.100	9092	6.100
8659	6.100	8721	6.100	8783	6.100	8845	6.100	8907	6.100	8969	6.100	9031	6.100	9093	6.100
8660	6.100	8722	6.100	8784	6.100	8846	6.100	8908	6.100	8970	6.100	9032	6.100	9094	6.100
8661	6.100	8723	6.100	8785	6.100	8847	6.100	8909	6.100	8971	6.100	9033	6.100	9095	6.100
8662	6.100	8724	6.100	8786	6.100	8848	6.100	8910	6.100	8972	6.100	9034	6.100	9096	6.100
8663	6.100	8725	6.100	8787	6.100	8849	6.100	8911	6.100	8973	6.100	9035	6.100	9097	6.100
8664	6.100	8726	6.100	8788	6.100	8850	6.100	8912	6.100	8974	6.100	9036	6.100	9098	6.100
8665	6.100	8727	6.100	8789	6.100	8851	6.100	8913	6.100	8975	6.100	9037	6.100	9099	6.100
8666	6.100	8728	6.100	8790	6.100	8852	6.100	8914	6.100	8976	6.100	9038	6.100	9100	6.100



Date 29/03/2022 11:58  
File AB-25, 26 10032021 v.MDX

Designed by UKDEJ003  
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XP Solutions

Network 2019.1

Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9163	6.100	9225	6.100	9287	6.100	9349	6.100	9411	6.100	9473	6.100	9535	6.100	9597	6.100
9164	6.100	9226	6.100	9288	6.100	9350	6.100	9412	6.100	9474	6.100	9536	6.100	9598	6.100
9165	6.100	9227	6.100	9289	6.100	9351	6.100	9413	6.100	9475	6.100	9537	6.100	9599	6.100
9166	6.100	9228	6.100	9290	6.100	9352	6.100	9414	6.100	9476	6.100	9538	6.100	9600	6.100
9167	6.100	9229	6.100	9291	6.100	9353	6.100	9415	6.100	9477	6.100	9539	6.100	9601	6.100
9168	6.100	9230	6.100	9292	6.100	9354	6.100	9416	6.100	9478	6.100	9540	6.100	9602	6.100
9169	6.100	9231	6.100	9293	6.100	9355	6.100	9417	6.100	9479	6.100	9541	6.100	9603	6.100
9170	6.100	9232	6.100	9294	6.100	9356	6.100	9418	6.100	9480	6.100	9542	6.100	9604	6.100
9171	6.100	9233	6.100	9295	6.100	9357	6.100	9419	6.100	9481	6.100	9543	6.100	9605	6.100
9172	6.100	9234	6.100	9296	6.100	9358	6.100	9420	6.100	9482	6.100	9544	6.100	9606	6.100
9173	6.100	9235	6.100	9297	6.100	9359	6.100	9421	6.100	9483	6.100	9545	6.100	9607	6.100
9174	6.100	9236	6.100	9298	6.100	9360	6.100	9422	6.100	9484	6.100	9546	6.100	9608	6.100
9175	6.100	9237	6.100	9299	6.100	9361	6.100	9423	6.100	9485	6.100	9547	6.100	9609	6.100
9176	6.100	9238	6.100	9300	6.100	9362	6.100	9424	6.100	9486	6.100	9548	6.100	9610	6.100
9177	6.100	9239	6.100	9301	6.100	9363	6.100	9425	6.100	9487	6.100	9549	6.100	9611	6.100
9178	6.100	9240	6.100	9302	6.100	9364	6.100	9426	6.100	9488	6.100	9550	6.100	9612	6.100
9179	6.100	9241	6.100	9303	6.100	9365	6.100	9427	6.100	9489	6.100	9551	6.100	9613	6.100
9180	6.100	9242	6.100	9304	6.100	9366	6.100	9428	6.100	9490	6.100	9552	6.100	9614	6.100
9181	6.100	9243	6.100	9305	6.100	9367	6.100	9429	6.100	9491	6.100	9553	6.100	9615	6.100
9182	6.100	9244	6.100	9306	6.100	9368	6.100	9430	6.100	9492	6.100	9554	6.100	9616	6.100
9183	6.100	9245	6.100	9307	6.100	9369	6.100	9431	6.100	9493	6.100	9555	6.100	9617	6.100
9184	6.100	9246	6.100	9308	6.100	9370	6.100	9432	6.100	9494	6.100	9556	6.100	9618	6.100
9185	6.100	9247	6.100	9309	6.100	9371	6.100	9433	6.100	9495	6.100	9557	6.100	9619	6.100
9186	6.100	9248	6.100	9310	6.100	9372	6.100	9434	6.100	9496	6.100	9558	6.100	9620	6.100
9187	6.100	9249	6.100	9311	6.100	9373	6.100	9435	6.100	9497	6.100	9559	6.100	9621	6.100
9188	6.100	9250	6.100	9312	6.100	9374	6.100	9436	6.100	9498	6.100	9560	6.100	9622	6.100
9189	6.100	9251	6.100	9313	6.100	9375	6.100	9437	6.100	9499	6.100	9561	6.100	9623	6.100
9190	6.100	9252	6.100	9314	6.100	9376	6.100	9438	6.100	9500	6.100	9562	6.100	9624	6.100
9191	6.100	9253	6.100	9315	6.100	9377	6.100	9439	6.100	9501	6.100	9563	6.100	9625	6.100
9192	6.100	9254	6.100	9316	6.100	9378	6.100	9440	6.100	9502	6.100	9564	6.100	9626	6.100
9193	6.100	9255	6.100	9317	6.100	9379	6.100	9441	6.100	9503	6.100	9565	6.100	9627	6.100
9194	6.100	9256	6.100	9318	6.100	9380	6.100	9442	6.100	9504	6.100	9566	6.100	9628	6.100
9195	6.100	9257	6.100	9319	6.100	9381	6.100	9443	6.100	9505	6.100	9567	6.100	9629	6.100
9196	6.100	9258	6.100	9320	6.100	9382	6.100	9444	6.100	9506	6.100	9568	6.100	9630	6.100
9197	6.100	9259	6.100	9321	6.100	9383	6.100	9445	6.100	9507	6.100	9569	6.100	9631	6.100
9198	6.100	9260	6.100	9322	6.100	9384	6.100	9446	6.100	9508	6.100	9570	6.100	9632	6.100
9199	6.100	9261	6.100	9323	6.100	9385	6.100	9447	6.100	9509	6.100	9571	6.100	9633	6.100
9200	6.100	9262	6.100	9324	6.100	9386	6.100	9448	6.100	9510	6.100	9572	6.100	9634	6.100
9201	6.100	9263	6.100	9325	6.100	9387	6.100	9449	6.100	9511	6.100	9573	6.100	9635	6.100
9202	6.100	9264	6.100	9326	6.100	9388	6.100	9450	6.100	9512	6.100	9574	6.100	9636	6.100
9203	6.100	9265	6.100	9327	6.100	9389	6.100	9451	6.100	9513	6.100	9575	6.100	9637	6.100
9204	6.100	9266	6.100	9328	6.100	9390	6.100	9452	6.100	9514	6.100	9576	6.100	9638	6.100
9205	6.100	9267	6.100	9329	6.100	9391	6.100	9453	6.100	9515	6.100	9577	6.100	9639	6.100
9206	6.100	9268	6.100	9330	6.100	9392	6.100	9454	6.100	9516	6.100	9578	6.100	9640	6.100
9207	6.100	9269	6.100	9331	6.100	9393	6.100	9455	6.100	9517	6.100	9579	6.100	9641	6.100
9208	6.100	9270	6.100	9332	6.100	9394	6.100	9456	6.100	9518	6.100	9580	6.100	9642	6.100
9209	6.100	9271	6.100	9333	6.100	9395	6.100	9457	6.100	9519	6.100	9581	6.100	9643	6.100
9210	6.100	9272	6.100	9334	6.100	9396	6.100	9458	6.100	9520	6.100	9582	6.100	9644	6.100
9211	6.100	9273	6.100	9335	6.100	9397	6.100	9459	6.100	9521	6.100	9583	6.100	9645	6.100
9212	6.100	9274	6.100	9336	6.100	9398	6.100	9460	6.100	9522	6.100	9584	6.100	9646	6.100
9213	6.100	9275	6.100	9337	6.100	9399	6.100	9461	6.100	9523	6.100	9585	6.100	9647	6.100
9214	6.100	9276	6.100	9338	6.100	9400	6.100	9462	6.100	9524	6.100	9586	6.100	9648	6.100
9215	6.100	9277	6.100	9339	6.100	9401	6.100	9463	6.100	9525	6.100	9587	6.100	9649	6.100
9216	6.100	9278	6.100	9340	6.100	9402	6.100	9464	6.100	9526	6.100	9588	6.100	9650	6.100
9217	6.100	9279	6.100	9341	6.100	9403	6.100	9465	6.100	9527	6.100	9589	6.100	9651	6.100
9218	6.100	9280	6.100	9342	6.100	9404	6.100	9466	6.100	9528	6.100	9590	6.100	9652	6.100
9219	6.100	9281	6.100	9343	6.100	9405	6.100	9467	6.100	9529	6.100	9591	6.100	9653	6.100
9220	6.100	9282	6.100	9344	6.100	9406	6.100	9468	6.100	9530	6.100	9592	6.100	9654	6.100
9221	6.100	9283	6.100	9345	6.100	9407	6.100	9469	6.100	9531	6.100	9593	6.100	9655	6.100
9222	6.100	9284	6.100	9346	6.100	9408	6.100	9470	6.100	9532	6.100	9594	6.100	9656	6.100
9223	6.100	9285	6.100	9347	6.100	9409	6.100	9471	6.100	9533	6.100	9595	6.100	9657	6.100
9224	6.100	9286	6.100	9348	6.100	9410	6.100	9472	6.100	9534	6.100	9596	6.100	9658	6.100



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Surcharged Outfall Details for AB-25

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9721	6.100	9761	6.100	9801	6.100	9841	6.100	9881	6.100	9921	6.100	9961	6.100	10001	6.100
9722	6.100	9762	6.100	9802	6.100	9842	6.100	9882	6.100	9922	6.100	9962	6.100	10002	6.100
9723	6.100	9763	6.100	9803	6.100	9843	6.100	9883	6.100	9923	6.100	9963	6.100	10003	6.100
9724	6.100	9764	6.100	9804	6.100	9844	6.100	9884	6.100	9924	6.100	9964	6.100	10004	6.100
9725	6.100	9765	6.100	9805	6.100	9845	6.100	9885	6.100	9925	6.100	9965	6.100	10005	6.100
9726	6.100	9766	6.100	9806	6.100	9846	6.100	9886	6.100	9926	6.100	9966	6.100	10006	6.100
9727	6.100	9767	6.100	9807	6.100	9847	6.100	9887	6.100	9927	6.100	9967	6.100	10007	6.100
9728	6.100	9768	6.100	9808	6.100	9848	6.100	9888	6.100	9928	6.100	9968	6.100	10008	6.100
9729	6.100	9769	6.100	9809	6.100	9849	6.100	9889	6.100	9929	6.100	9969	6.100	10009	6.100
9730	6.100	9770	6.100	9810	6.100	9850	6.100	9890	6.100	9930	6.100	9970	6.100	10010	6.100
9731	6.100	9771	6.100	9811	6.100	9851	6.100	9891	6.100	9931	6.100	9971	6.100	10011	6.100
9732	6.100	9772	6.100	9812	6.100	9852	6.100	9892	6.100	9932	6.100	9972	6.100	10012	6.100
9733	6.100	9773	6.100	9813	6.100	9853	6.100	9893	6.100	9933	6.100	9973	6.100	10013	6.100
9734	6.100	9774	6.100	9814	6.100	9854	6.100	9894	6.100	9934	6.100	9974	6.100	10014	6.100
9735	6.100	9775	6.100	9815	6.100	9855	6.100	9895	6.100	9935	6.100	9975	6.100	10015	6.100
9736	6.100	9776	6.100	9816	6.100	9856	6.100	9896	6.100	9936	6.100	9976	6.100	10016	6.100
9737	6.100	9777	6.100	9817	6.100	9857	6.100	9897	6.100	9937	6.100	9977	6.100	10017	6.100
9738	6.100	9778	6.100	9818	6.100	9858	6.100	9898	6.100	9938	6.100	9978	6.100	10018	6.100
9739	6.100	9779	6.100	9819	6.100	9859	6.100	9899	6.100	9939	6.100	9979	6.100	10019	6.100
9740	6.100	9780	6.100	9820	6.100	9860	6.100	9900	6.100	9940	6.100	9980	6.100	10020	6.100
9741	6.100	9781	6.100	9821	6.100	9861	6.100	9901	6.100	9941	6.100	9981	6.100	10021	6.100
9742	6.100	9782	6.100	9822	6.100	9862	6.100	9902	6.100	9942	6.100	9982	6.100	10022	6.100
9743	6.100	9783	6.100	9823	6.100	9863	6.100	9903	6.100	9943	6.100	9983	6.100	10023	6.100
9744	6.100	9784	6.100	9824	6.100	9864	6.100	9904	6.100	9944	6.100	9984	6.100	10024	6.100
9745	6.100	9785	6.100	9825	6.100	9865	6.100	9905	6.100	9945	6.100	9985	6.100	10025	6.100
9746	6.100	9786	6.100	9826	6.100	9866	6.100	9906	6.100	9946	6.100	9986	6.100	10026	6.100
9747	6.100	9787	6.100	9827	6.100	9867	6.100	9907	6.100	9947	6.100	9987	6.100	10027	6.100
9748	6.100	9788	6.100	9828	6.100	9868	6.100	9908	6.100	9948	6.100	9988	6.100	10028	6.100
9749	6.100	9789	6.100	9829	6.100	9869	6.100	9909	6.100	9949	6.100	9989	6.100	10029	6.100
9750	6.100	9790	6.100	9830	6.100	9870	6.100	9910	6.100	9950	6.100	9990	6.100	10030	6.100
9751	6.100	9791	6.100	9831	6.100	9871	6.100	9911	6.100	9951	6.100	9991	6.100	10031	6.100
9752	6.100	9792	6.100	9832	6.100	9872	6.100	9912	6.100	9952	6.100	9992	6.100	10032	6.100
9753	6.100	9793	6.100	9833	6.100	9873	6.100	9913	6.100	9953	6.100	9993	6.100	10033	6.100
9754	6.100	9794	6.100	9834	6.100	9874	6.100	9914	6.100	9954	6.100	9994	6.100	10034	6.100
9755	6.100	9795	6.100	9835	6.100	9875	6.100	9915	6.100	9955	6.100	9995	6.100	10035	6.100
9756	6.100	9796	6.100	9836	6.100	9876	6.100	9916	6.100	9956	6.100	9996	6.100	10036	6.100
9757	6.100	9797	6.100	9837	6.100	9877	6.100	9917	6.100	9957	6.100	9997	6.100	10037	6.100
9758	6.100	9798	6.100	9838	6.100	9878	6.100	9918	6.100	9958	6.100	9998	6.100	10038	6.100
9759	6.100	9799	6.100	9839	6.100	9879	6.100	9919	6.100	9959	6.100	9999	6.100	10039	6.100
9760	6.100	9800	6.100	9840	6.100	9880	6.100	9920	6.100	9960	6.100	10000	6.100	10040	6.100

Simulation Criteria for AB-25

Volumetric Runoff Coeff 0.750      Additional Flow - % of Total Flow 0.000  
 Areal Reduction Factor 1.000      MADD Factor \* 10m³/ha Storage 2.000  
 Hot Start (mins) 0      Inlet Coefficient 0.800  
 Hot Start Level (mm) 0      Flow per Person per Day (l/per/day) 0.000  
 Manhole Headloss Coeff (Global) 0.500      Run Time (mins) 60  
 Foul Sewage per hectare (l/s) 0.000      Output Interval (mins) 1

Number of Input Hydrographs 0      Number of Offline Controls 0      Number of Time/Area Diagrams 0  
 Number of Online Controls 1      Number of Storage Structures 1      Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH      Summer Storms Yes  
 Return Period (years) 30      Winter Storms Yes  
 FEH Rainfall Version 2013      Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538      Cv (Winter) 0.840  
 Data Type Point Storm Duration (mins) 30



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Online Controls for AB-25

Hydro-Brake® Optimum Manhole: S13, DS/PN: S3.007, Volume (m<sup>3</sup>): 3.3

Unit Reference	MD-SHE-0105-5000-1000-5000
Design Head (m)	1.000
Design Flow (l/s)	5.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	105
Invert Level (m)	5.770
Minimum Outlet Pipe Diameter (mm)	150
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.000	5.0	Kick-Flo®	0.637	4.1
Flush-Flo™	0.296	5.0	Mean Flow over Head Range	-	4.3

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.6	0.800	4.5	2.000	6.9	4.000	9.6	7.000	12.5
0.200	4.8	1.000	5.0	2.200	7.2	4.500	10.1	7.500	12.9
0.300	5.0	1.200	5.4	2.400	7.5	5.000	10.6	8.000	13.3
0.400	4.9	1.400	5.8	2.600	7.8	5.500	11.1	8.500	13.7
0.500	4.7	1.600	6.2	3.000	8.4	6.000	11.6	9.000	14.1
0.600	4.3	1.800	6.6	3.500	9.0	6.500	12.1	9.500	14.5



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Storage Structures for AB-25Tank or Pond Manhole: S6, DS/PN: S3.005

Invert Level (m) 5.790

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	1500.0	2.500	4000.0



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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-25

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
 Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
 FEH Rainfall Version 2013 Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status OFF  
 DVD Status ON  
 Inertia Status ON

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
 2160, 2880, 4320, 5760  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S3.000	S1	30 Winter	2	+0%	100/15 Summer	100/30 Winter			10.077	-0.083	0.000
S3.001	S2	15 Winter	2	+0%					8.822	-0.158	0.000
S3.002	S3	15 Winter	2	+0%	5/15 Summer				6.137	-0.063	0.000
S4.000	S4	30 Winter	2	+0%					9.995	-0.165	0.000
S4.001	S5	15 Winter	2	+0%					8.843	-0.157	0.000
S3.003	S4	15 Winter	2	+0%	5/15 Summer				6.118	-0.107	0.000
S3.004	S5	5760 Winter	2	+0%	30/15 Summer				6.094	-0.081	0.000
S5.000	S16	15 Winter	2	+0%					7.197	-0.163	0.000
S5.001	S17	15 Winter	2	+0%	100/15 Summer				6.218	-0.142	0.000
S3.005	S6	5760 Winter	2	+0%	100/240 Winter				6.094	-0.071	0.000
S6.000	S11	5760 Winter	2	+0%	2/15 Summer	100/15 Winter			6.095	0.145	0.000
S3.006	S11	5760 Winter	2	+0%	30/15 Summer				6.097	-0.058	0.000
S3.007	S13	5760 Winter	2	+0%	30/15 Summer				6.095	-0.050	0.000
S7.000	S20	30 Winter	2	+0%	30/15 Summer				6.607	-0.123	0.000
S7.001	S21	15 Winter	2	+0%	2/15 Summer	100/15 Summer			6.251	0.201	0.000
S7.002	S8	15 Winter	2	+0%	2/15 Summer				6.150	0.150	0.000
S8.000	S14	15 Winter	2	+0%	2/15 Summer	30/15 Summer			6.381	0.406	0.000
S8.001	S15	15 Winter	2	+0%	2/15 Summer	30/15 Summer			6.355	0.405	0.000
S3.008	S12	30 Summer	2	+0%	30/15 Summer				6.125	0.000	0.000

Pipe						
PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Flow (l/s)	Status	Level Exceeded
S3.000	S1	0.41		7.9	OK	1
S3.001	S2	0.19		15.8	OK	
S3.002	S3	0.29		16.0	OK	
S4.000	S4	0.16		8.7	OK	
S4.001	S5	0.19		16.4	OK	
S3.003	S4	0.34		32.2	OK	
S3.004	S5	0.04		1.3	OK	



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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-25

PN	US/MH Name	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S5.000	S16	0.17	11.7	OK	
S5.001	S17	0.29	11.6	OK	
S3.005	S6	0.19	7.7	OK	
S6.000	S11	0.03	0.2	SURCHARGED	1
S3.006	S11	0.17	6.0	OK	
S3.007	S13	0.06	4.9	OK	
S7.000	S20	0.08	1.2	OK	
S7.001	S21	1.39	9.7	SURCHARGED	4
S7.002	S8	0.99	10.0	SURCHARGED	
S8.000	S14	1.06	5.5	SURCHARGED	13
S8.001	S15	2.05	11.0	SURCHARGED	10
S3.008	S12	0.21	15.9	OK	





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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-25

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
 Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
 FEH Rainfall Version 2013 Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status OFF  
 DVD Status ON  
 Inertia Status ON

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
 2160, 2880, 4320, 5760  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S3.000	S1	30 Winter	5	+0%	100/15 Summer	100/30 Winter			10.090	-0.070	0.000
S3.001	S2	15 Winter	5	+0%					8.833	-0.147	0.000
S3.002	S3	15 Winter	5	+0%	5/15 Summer				6.293	0.093	0.000
S4.000	S4	30 Winter	5	+0%					10.005	-0.155	0.000
S4.001	S5	15 Winter	5	+0%					8.854	-0.146	0.000
S3.003	S4	30 Winter	5	+0%	5/15 Summer				6.262	0.037	0.000
S3.004	S5	30 Winter	5	+0%	30/15 Summer				6.175	0.000	0.000
S5.000	S16	15 Winter	5	+0%					7.208	-0.152	0.000
S5.001	S17	15 Winter	5	+0%	100/15 Summer				6.233	-0.127	0.000
S3.005	S6	5760 Winter	5	+0%	100/240 Winter				6.116	-0.049	0.000
S6.000	S11	5760 Winter	5	+0%	2/15 Summer	100/15 Winter			6.116	0.166	0.000
S3.006	S11	5760 Winter	5	+0%	30/15 Summer				6.116	-0.039	0.000
S3.007	S13	5760 Winter	5	+0%	30/15 Summer				6.116	-0.029	0.000
S7.000	S20	30 Winter	5	+0%	30/15 Summer				6.612	-0.118	0.000
S7.001	S21	15 Winter	5	+0%	2/15 Summer	100/15 Summer			6.360	0.310	0.000
S7.002	S8	15 Winter	5	+0%	2/15 Summer				6.173	0.173	0.000
S8.000	S14	15 Winter	5	+0%	2/15 Summer	30/15 Summer			6.585	0.610	0.000
S8.001	S15	15 Winter	5	+0%	2/15 Summer	30/15 Summer			6.548	0.598	0.000
S3.008	S12	180 Winter	5	+0%	30/15 Summer				6.125	0.000	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S3.000	S1	0.56		10.8	OK	1
S3.001	S2	0.25		21.4	OK	
S3.002	S3	0.40		22.1	SURCHARGED	
S4.000	S4	0.21		11.8	OK	
S4.001	S5	0.26		22.2	OK	
S3.003	S4	0.46		44.0	SURCHARGED	
S3.004	S5	1.31		43.9	OK	



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-25

PN	US/MH Name	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S5.000	S16	0.22	15.7	OK	
S5.001	S17	0.39	15.7	OK	
S3.005	S6	0.19	7.6	OK	
S6.000	S11	0.03	0.2	SURCHARGED	1
S3.006	S11	0.17	6.1	OK	
S3.007	S13	0.06	4.9	OK	
S7.000	S20	0.10	1.6	OK	
S7.001	S21	1.90	13.3	SURCHARGED	4
S7.002	S8	1.35	13.7	SURCHARGED	
S8.000	S14	1.47	7.7	FLOOD RISK	13
S8.001	S15	2.81	15.1	FLOOD RISK	10
S3.008	S12	0.11	8.2	OK	



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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-25

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m³/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
 Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
 FEH Rainfall Version 2013 Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status OFF  
 DVD Status ON  
 Inertia Status ON

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
 2160, 2880, 4320, 5760  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)
S3.000	S1	30 Winter	30	+0%	100/15 Summer	100/30 Winter			10.124	-0.036	0.000
S3.001	S2	15 Winter	30	+0%					8.866	-0.114	0.000
S3.002	S3	15 Winter	30	+0%	5/15 Summer				6.372	0.172	0.000
S4.000	S4	30 Winter	30	+0%					10.028	-0.132	0.000
S4.001	S5	15 Winter	30	+0%					8.887	-0.113	0.000
S3.003	S4	15 Winter	30	+0%	5/15 Summer				6.282	0.057	0.000
S3.004	S5	15 Winter	30	+0%	30/15 Summer				6.198	0.023	0.000
S5.000	S16	15 Winter	30	+0%					7.231	-0.129	0.000
S5.001	S17	15 Winter	30	+0%	100/15 Summer				6.268	-0.092	0.000
S3.005	S6	5760 Winter	30	+0%	100/240 Winter				6.162	-0.003	0.000
S6.000	S11	15 Winter	30	+0%	2/15 Summer	100/15 Winter			6.372	0.422	0.000
S3.006	S11	15 Winter	30	+0%	30/15 Summer				6.183	0.028	0.000
S3.007	S13	15 Winter	30	+0%	30/15 Summer				6.181	0.036	0.000
S7.000	S20	15 Winter	30	+0%	30/15 Summer				6.928	0.198	0.000
S7.001	S21	15 Winter	30	+0%	2/15 Summer	100/15 Summer			6.914	0.864	0.000
S7.002	S8	15 Winter	30	+0%	2/15 Summer				6.286	0.286	0.000
S8.000	S14	15 Winter	30	+0%	2/15 Summer	30/15 Summer			6.704	0.729	4.388
S8.001	S15	15 Winter	30	+0%	2/15 Summer	30/15 Summer			6.701	0.751	0.560
S3.008	S12	15 Winter	30	+0%	30/15 Summer				6.129	0.004	0.000

PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S3.000	S1	0.93		18.0	OK	1
S3.001	S2	0.46		39.0	OK	
S3.002	S3	0.75		42.1	SURCHARGED	
S4.000	S4	0.36		19.7	OK	
S4.001	S5	0.47		40.3	OK	
S3.003	S4	0.90		85.9	SURCHARGED	
S3.004	S5	2.52		84.7	SURCHARGED	



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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-25

PN	US/MH Name	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S5.000	S16	0.37	26.0	OK	
S5.001	S17	0.63	25.4	OK	
S3.005	S6	0.19	7.6	OK	
S6.000	S11	2.65	13.1	SURCHARGED	1
S3.006	S11	0.12	4.4	SURCHARGED	
S3.007	S13	0.02	1.3	SURCHARGED	
S7.000	S20	0.27	4.3	SURCHARGED	
S7.001	S21	3.45	24.2	SURCHARGED	4
S7.002	S8	2.44	24.8	SURCHARGED	
S8.000	S14	2.92	15.2	FLOOD	13
S8.001	S15	3.35	18.1	FLOOD	10
S3.008	S12	0.57	43.4	SURCHARGED	



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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-25

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m³/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
Analysis Timestep 2.5 Second Increment (Extended)  
DTS Status OFF  
DVD Status ON  
Inertia Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)
S3.000	S1	30 Winter	100	+40%	100/15 Summer	100/30 Winter			11.360	1.200	0.460
S3.001	S2	15 Winter	100	+40%					8.913	-0.067	0.000
S3.002	S3	15 Winter	100	+40%	5/15 Summer				6.530	0.330	0.000
S4.000	S4	30 Winter	100	+40%					10.068	-0.092	0.000
S4.001	S5	15 Winter	100	+40%					8.941	-0.059	0.000
S3.003	S4	15 Winter	100	+40%	5/15 Summer				6.451	0.226	0.000
S3.004	S5	2160 Winter	100	+40%	30/15 Summer				6.391	0.216	0.000
S5.000	S16	15 Winter	100	+40%					7.272	-0.088	0.000
S5.001	S17	15 Winter	100	+40%	100/15 Summer				6.444	0.084	0.000
S3.005	S6	2160 Winter	100	+40%	100/240 Winter				6.391	0.226	0.000
S6.000	S11	15 Winter	100	+40%	2/15 Summer	100/15 Winter			6.900	0.950	0.016
S3.006	S11	720 Winter	100	+40%	30/15 Summer				6.448	0.293	0.000
S3.007	S13	720 Winter	100	+40%	30/15 Summer				6.453	0.308	0.000
S7.000	S20	30 Winter	100	+40%	30/15 Summer				7.765	1.035	0.000
S7.001	S21	15 Winter	100	+40%	2/15 Summer	100/15 Summer			7.702	1.652	1.736
S7.002	S8	15 Winter	100	+40%	2/15 Summer				6.472	0.472	0.000
S8.000	S14	30 Winter	100	+40%	2/15 Summer	30/15 Summer			6.717	0.742	16.769
S8.001	S15	15 Winter	100	+40%	2/15 Summer	30/15 Summer			6.705	0.755	5.455
S3.008	S12	15 Winter	100	+40%	30/15 Summer				6.138	0.013	0.000

Pipe						
PN	US/MH Name	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S3.000	S1	1.42		27.4	FLOOD	1
S3.001	S2	0.79		67.1	OK	
S3.002	S3	1.29		71.9	SURCHARGED	
S4.000	S4	0.65		35.8	OK	
S4.001	S5	0.84		72.3	OK	
S3.003	S4	1.55		148.3	SURCHARGED	
S3.004	S5	0.30		9.9	SURCHARGED	



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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-25

PN	US/MH Name	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S5.000	S16	0.66	46.6	OK	
S5.001	S17	1.10	44.8	SURCHARGED	
S3.005	S6	0.65	25.7	SURCHARGED	
S6.000	S11	4.99	24.6	FLOOD	1
S3.006	S11	0.37	13.4	SURCHARGED	
S3.007	S13	0.06	4.5	SURCHARGED	
S7.000	S20	0.55	8.9	FLOOD RISK	
S7.001	S21	4.98	34.9	FLOOD	4
S7.002	S8	3.56	36.1	SURCHARGED	
S8.000	S14	2.98	15.6	FLOOD	13
S8.001	S15	3.39	18.3	FLOOD	10
S3.008	S12	0.74	55.9	SURCHARGED	



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Time Area Diagram for AB-27

Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.139	4-8	0.203

Total Area Contributing (ha) = 0.343

Total Pipe Volume (m<sup>3</sup>) = 36.508





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Existing Network Details for AB-27

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type
S3.000	94.801	2.560	37.0	0.261	5.00	0.0	0.600	o	450	Pipe/Conduit
S3.001	45.732	0.100	457.3	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit
S3.002	41.917	0.100	419.2	0.043	0.00	0.0	0.600	o	450	Pipe/Conduit
S4.000	55.184	2.690	20.5	0.038	5.00	0.0	0.600	o	300	Pipe/Conduit
S3.003	14.438	0.430	33.6	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit
S3.004	20.000	0.350	57.1	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit
S3.005	16.348	0.163	100.3	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit

Network Results Table

PN	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Vel (m/s)	Cap (l/s)
S3.000	13.460	0.261	0.0	3.35	532.7
S3.001	10.900	0.261	0.0	0.94	150.2
S3.002	10.800	0.305	0.0	0.99	156.9
S4.000	13.360	0.038	0.0	3.49	246.5
S3.003	10.700	0.343	0.0	2.72	192.5
S3.004	10.270	0.343	0.0	2.08	147.3
S3.005	9.920	0.343	0.0	1.57	111.0



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Manhole Schedules for AB-27

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S16	14.460	1.000	Open Manhole	1200	S3.000	13.460	450				
S17	11.840	0.940	Open Manhole	1200	S3.001	10.900	450	S3.000	10.900	450	
S18	11.940	1.140	Open Manhole	1200	S3.002	10.800	450	S3.001	10.800	450	
S19	14.360	1.000	Open Manhole	1200	S4.000	13.360	300				
S19	11.960	1.290	Open Manhole	1200	S3.003	10.700	300	S3.002	10.700	450	
								S4.000	10.670	300	
S20	11.670	1.400	Open Manhole	1200	S3.004	10.270	300	S3.003	10.270	300	
S21	10.920	1.000	Open Manhole	1200	S3.005	9.920	300	S3.004	9.920	300	
S	11.000	1.243	Open Manhole	0		OUTFALL		S3.005	9.757	300	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S16	643007.352	266214.824	643007.352	266214.824	Required	
S17	642994.565	266120.889	642994.565	266120.889	Required	
S18	643031.784	266147.462	643031.784	266147.462	Required	
S19	643029.636	266244.089	643029.636	266244.089	Required	
S19	643035.479	266189.215	643035.479	266189.215	Required	
S20	643049.911	266189.648	643049.911	266189.648	Required	
S21	643069.911	266189.648	643069.911	266189.648	Required	
S	643078.981	266176.048			No Entry	



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PIPELINE SCHEDULES for AB-27

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S3.000	o	450	S16	14.460	13.460	0.550	Open Manhole	1200
S3.001	o	450	S17	11.840	10.900	0.490	Open Manhole	1200
S3.002	o	450	S18	11.940	10.800	0.690	Open Manhole	1200
S4.000	o	300	S19	14.360	13.360	0.700	Open Manhole	1200
S3.003	o	300	S19	11.960	10.700	0.960	Open Manhole	1200
S3.004	o	300	S20	11.670	10.270	1.100	Open Manhole	1200
S3.005	o	300	S21	10.920	9.920	0.700	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S3.000	94.801	37.0	S17	11.840	10.900	0.490	Open Manhole	1200
S3.001	45.732	457.3	S18	11.940	10.800	0.690	Open Manhole	1200
S3.002	41.917	419.2	S19	11.960	10.700	0.810	Open Manhole	1200
S4.000	55.184	20.5	S19	11.960	10.670	0.990	Open Manhole	1200
S3.003	14.438	33.6	S20	11.670	10.270	1.100	Open Manhole	1200
S3.004	20.000	57.1	S21	10.920	9.920	0.700	Open Manhole	1200
S3.005	16.348	100.3	S	11.000	9.757	0.943	Open Manhole	0



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Area Summary for AB-27

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
3.000	User	-	100	0.129	0.129	0.129
	User	-	26	0.083	0.022	0.151
	User	-	100	0.111	0.111	0.261
3.001	-	-	100	0.000	0.000	0.000
3.002	User	-	26	0.077	0.020	0.020
	User	-	50	0.047	0.023	0.043
4.000	User	-	50	0.053	0.026	0.026
	User	-	26	0.044	0.012	0.038
3.003	-	-	100	0.000	0.000	0.000
3.004	-	-	100	0.000	0.000	0.000
3.005	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				0.543	0.343	0.343



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Network Classifications for AB-27

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S3.000	S16	450	0.490	0.550	Unclassified	1200	0	0.550	Unclassified
S3.001	S17	450	0.490	0.690	Unclassified	1200	0	0.490	Unclassified
S3.002	S18	450	0.690	0.810	Unclassified	1200	0	0.690	Unclassified
S4.000	S19	300	0.700	0.990	Unclassified	1200	0	0.700	Unclassified
S3.003	S19	300	0.960	1.100	Unclassified	1200	0	0.960	Unclassified
S3.004	S20	300	0.700	1.100	Unclassified	1200	0	1.100	Unclassified
S3.005	S21	300	0.700	0.943	Unclassified	1200	0	0.700	Unclassified

Surcharged Outfall Details for AB-27

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
S3.005	S	11.000	9.757	0.000	0	0

Datum (m) 0.000 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1	10.380	39	10.380	77	10.380	115	10.380	153	10.380	191	10.380	229	10.380
2	10.380	40	10.380	78	10.380	116	10.380	154	10.380	192	10.380	230	10.380
3	10.380	41	10.380	79	10.380	117	10.380	155	10.380	193	10.380	231	10.380
4	10.380	42	10.380	80	10.380	118	10.380	156	10.380	194	10.380	232	10.380
5	10.380	43	10.380	81	10.380	119	10.380	157	10.380	195	10.380	233	10.380
6	10.380	44	10.380	82	10.380	120	10.380	158	10.380	196	10.380	234	10.380
7	10.380	45	10.380	83	10.380	121	10.380	159	10.380	197	10.380	235	10.380
8	10.380	46	10.380	84	10.380	122	10.380	160	10.380	198	10.380	236	10.380
9	10.380	47	10.380	85	10.380	123	10.380	161	10.380	199	10.380	237	10.380
10	10.380	48	10.380	86	10.380	124	10.380	162	10.380	200	10.380	238	10.380
11	10.380	49	10.380	87	10.380	125	10.380	163	10.380	201	10.380	239	10.380
12	10.380	50	10.380	88	10.380	126	10.380	164	10.380	202	10.380	240	10.380
13	10.380	51	10.380	89	10.380	127	10.380	165	10.380	203	10.380	241	10.380
14	10.380	52	10.380	90	10.380	128	10.380	166	10.380	204	10.380	242	10.380
15	10.380	53	10.380	91	10.380	129	10.380	167	10.380	205	10.380	243	10.380
16	10.380	54	10.380	92	10.380	130	10.380	168	10.380	206	10.380	244	10.380
17	10.380	55	10.380	93	10.380	131	10.380	169	10.380	207	10.380	245	10.380
18	10.380	56	10.380	94	10.380	132	10.380	170	10.380	208	10.380	246	10.380
19	10.380	57	10.380	95	10.380	133	10.380	171	10.380	209	10.380	247	10.380
20	10.380	58	10.380	96	10.380	134	10.380	172	10.380	210	10.380	248	10.380
21	10.380	59	10.380	97	10.380	135	10.380	173	10.380	211	10.380	249	10.380
22	10.380	60	10.380	98	10.380	136	10.380	174	10.380	212	10.380	250	10.380
23	10.380	61	10.380	99	10.380	137	10.380	175	10.380	213	10.380	251	10.380
24	10.380	62	10.380	100	10.380	138	10.380	176	10.380	214	10.380	252	10.380
25	10.380	63	10.380	101	10.380	139	10.380	177	10.380	215	10.380	253	10.380
26	10.380	64	10.380	102	10.380	140	10.380	178	10.380	216	10.380	254	10.380
27	10.380	65	10.380	103	10.380	141	10.380	179	10.380	217	10.380	255	10.380
28	10.380	66	10.380	104	10.380	142	10.380	180	10.380	218	10.380	256	10.380
29	10.380	67	10.380	105	10.380	143	10.380	181	10.380	219	10.380	257	10.380
30	10.380	68	10.380	106	10.380	144	10.380	182	10.380	220	10.380	258	10.380
31	10.380	69	10.380	107	10.380	145	10.380	183	10.380	221	10.380	259	10.380
32	10.380	70	10.380	108	10.380	146	10.380	184	10.380	222	10.380	260	10.380
33	10.380	71	10.380	109	10.380	147	10.380	185	10.380	223	10.380	261	10.380
34	10.380	72	10.380	110	10.380	148	10.380	186	10.380	224	10.380	262	10.380
35	10.380	73	10.380	111	10.380	149	10.380	187	10.380	225	10.380	263	10.380
36	10.380	74	10.380	112	10.380	150	10.380	188	10.380	226	10.380	264	10.380
37	10.380	75	10.380	113	10.380	151	10.380	189	10.380	227	10.380	265	10.380
38	10.380	76	10.380	114	10.380	152	10.380	190	10.380	228	10.380	266	10.380



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Surcharged Outfall Details for AB-27

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
305	10.380	367	10.380	429	10.380	491	10.380	553	10.380	615	10.380	677	10.380
306	10.380	368	10.380	430	10.380	492	10.380	554	10.380	616	10.380	678	10.380
307	10.380	369	10.380	431	10.380	493	10.380	555	10.380	617	10.380	679	10.380
308	10.380	370	10.380	432	10.380	494	10.380	556	10.380	618	10.380	680	10.380
309	10.380	371	10.380	433	10.380	495	10.380	557	10.380	619	10.380	681	10.380
310	10.380	372	10.380	434	10.380	496	10.380	558	10.380	620	10.380	682	10.380
311	10.380	373	10.380	435	10.380	497	10.380	559	10.380	621	10.380	683	10.380
312	10.380	374	10.380	436	10.380	498	10.380	560	10.380	622	10.380	684	10.380
313	10.380	375	10.380	437	10.380	499	10.380	561	10.380	623	10.380	685	10.380
314	10.380	376	10.380	438	10.380	500	10.380	562	10.380	624	10.380	686	10.380
315	10.380	377	10.380	439	10.380	501	10.380	563	10.380	625	10.380	687	10.380
316	10.380	378	10.380	440	10.380	502	10.380	564	10.380	626	10.380	688	10.380
317	10.380	379	10.380	441	10.380	503	10.380	565	10.380	627	10.380	689	10.380
318	10.380	380	10.380	442	10.380	504	10.380	566	10.380	628	10.380	690	10.380
319	10.380	381	10.380	443	10.380	505	10.380	567	10.380	629	10.380	691	10.380
320	10.380	382	10.380	444	10.380	506	10.380	568	10.380	630	10.380	692	10.380
321	10.380	383	10.380	445	10.380	507	10.380	569	10.380	631	10.380	693	10.380
322	10.380	384	10.380	446	10.380	508	10.380	570	10.380	632	10.380	694	10.380
323	10.380	385	10.380	447	10.380	509	10.380	571	10.380	633	10.380	695	10.380
324	10.380	386	10.380	448	10.380	510	10.380	572	10.380	634	10.380	696	10.380
325	10.380	387	10.380	449	10.380	511	10.380	573	10.380	635	10.380	697	10.380
326	10.380	388	10.380	450	10.380	512	10.380	574	10.380	636	10.380	698	10.380
327	10.380	389	10.380	451	10.380	513	10.380	575	10.380	637	10.380	699	10.380
328	10.380	390	10.380	452	10.380	514	10.380	576	10.380	638	10.380	700	10.380
329	10.380	391	10.380	453	10.380	515	10.380	577	10.380	639	10.380	701	10.380
330	10.380	392	10.380	454	10.380	516	10.380	578	10.380	640	10.380	702	10.380
331	10.380	393	10.380	455	10.380	517	10.380	579	10.380	641	10.380	703	10.380
332	10.380	394	10.380	456	10.380	518	10.380	580	10.380	642	10.380	704	10.380
333	10.380	395	10.380	457	10.380	519	10.380	581	10.380	643	10.380	705	10.380
334	10.380	396	10.380	458	10.380	520	10.380	582	10.380	644	10.380	706	10.380
335	10.380	397	10.380	459	10.380	521	10.380	583	10.380	645	10.380	707	10.380
336	10.380	398	10.380	460	10.380	522	10.380	584	10.380	646	10.380	708	10.380
337	10.380	399	10.380	461	10.380	523	10.380	585	10.380	647	10.380	709	10.380
338	10.380	400	10.380	462	10.380	524	10.380	586	10.380	648	10.380	710	10.380
339	10.380	401	10.380	463	10.380	525	10.380	587	10.380	649	10.380	711	10.380
340	10.380	402	10.380	464	10.380	526	10.380	588	10.380	650	10.380	712	10.380
341	10.380	403	10.380	465	10.380	527	10.380	589	10.380	651	10.380	713	10.380
342	10.380	404	10.380	466	10.380	528	10.380	590	10.380	652	10.380	714	10.380
343	10.380	405	10.380	467	10.380	529	10.380	591	10.380	653	10.380	715	10.380
344	10.380	406	10.380	468	10.380	530	10.380	592	10.380	654	10.380	716	10.380
345	10.380	407	10.380	469	10.380	531	10.380	593	10.380	655	10.380	717	10.380
346	10.380	408	10.380	470	10.380	532	10.380	594	10.380	656	10.380	718	10.380
347	10.380	409	10.380	471	10.380	533	10.380	595	10.380	657	10.380	719	10.380
348	10.380	410	10.380	472	10.380	534	10.380	596	10.380	658	10.380	720	10.380
349	10.380	411	10.380	473	10.380	535	10.380	597	10.380	659	10.380	721	10.380
350	10.380	412	10.380	474	10.380	536	10.380	598	10.380	660	10.380	722	10.380
351	10.380	413	10.380	475	10.380	537	10.380	599	10.380	661	10.380	723	10.380
352	10.380	414	10.380	476	10.380	538	10.380	600	10.380	662	10.380	724	10.380
353	10.380	415	10.380	477	10.380	539	10.380	601	10.380	663	10.380	725	10.380
354	10.380	416	10.380	478	10.380	540	10.380	602	10.380	664	10.380	726	10.380
355	10.380	417	10.380	479	10.380	541	10.380	603	10.380	665	10.380	727	10.380
356	10.380	418	10.380	480	10.380	542	10.380	604	10.380	666	10.380	728	10.380
357	10.380	419	10.380	481	10.380	543	10.380	605	10.380	667	10.380	729	10.380
358	10.380	420	10.380	482	10.380	544	10.380	606	10.380	668	10.380	730	10.380
359	10.380	421	10.380	483	10.380	545	10.380	607	10.380	669	10.380	731	10.380
360	10.380	422	10.380	484	10.380	546	10.380	608	10.380	670	10.380	732	10.380
361	10.380	423	10.380	485	10.380	547	10.380	609	10.380	671	10.380	733	10.380
362	10.380	424	10.380	486	10.380	548	10.380	610	10.380	672	10.380	734	10.380
363	10.380	425	10.380	487	10.380	549	10.380	611	10.380	673	10.380	735	10.380
364	10.380	426	10.380	488	10.380	550	10.380	612	10.380	674	10.380	736	10.380
365	10.380	427	10.380	489	10.380	551	10.380	613	10.380	675	10.380	737	10.380
366	10.380	428	10.380	490	10.380	552	10.380	614	10.380	676	10.380	738	10.380



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Surcharged Outfall Details for AB-27

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
801	10.380	863	10.380	925	10.380	987	10.380	1049	10.380	1111	10.380	1173	10.380	1235	10.380
802	10.380	864	10.380	926	10.380	988	10.380	1050	10.380	1112	10.380	1174	10.380	1236	10.380
803	10.380	865	10.380	927	10.380	989	10.380	1051	10.380	1113	10.380	1175	10.380	1237	10.380
804	10.380	866	10.380	928	10.380	990	10.380	1052	10.380	1114	10.380	1176	10.380	1238	10.380
805	10.380	867	10.380	929	10.380	991	10.380	1053	10.380	1115	10.380	1177	10.380	1239	10.380
806	10.380	868	10.380	930	10.380	992	10.380	1054	10.380	1116	10.380	1178	10.380	1240	10.380
807	10.380	869	10.380	931	10.380	993	10.380	1055	10.380	1117	10.380	1179	10.380	1241	10.380
808	10.380	870	10.380	932	10.380	994	10.380	1056	10.380	1118	10.380	1180	10.380	1242	10.380
809	10.380	871	10.380	933	10.380	995	10.380	1057	10.380	1119	10.380	1181	10.380	1243	10.380
810	10.380	872	10.380	934	10.380	996	10.380	1058	10.380	1120	10.380	1182	10.380	1244	10.380
811	10.380	873	10.380	935	10.380	997	10.380	1059	10.380	1121	10.380	1183	10.380	1245	10.380
812	10.380	874	10.380	936	10.380	998	10.380	1060	10.380	1122	10.380	1184	10.380	1246	10.380
813	10.380	875	10.380	937	10.380	999	10.380	1061	10.380	1123	10.380	1185	10.380	1247	10.380
814	10.380	876	10.380	938	10.380	1000	10.380	1062	10.380	1124	10.380	1186	10.380	1248	10.380
815	10.380	877	10.380	939	10.380	1001	10.380	1063	10.380	1125	10.380	1187	10.380	1249	10.380
816	10.380	878	10.380	940	10.380	1002	10.380	1064	10.380	1126	10.380	1188	10.380	1250	10.380
817	10.380	879	10.380	941	10.380	1003	10.380	1065	10.380	1127	10.380	1189	10.380	1251	10.380
818	10.380	880	10.380	942	10.380	1004	10.380	1066	10.380	1128	10.380	1190	10.380	1252	10.380
819	10.380	881	10.380	943	10.380	1005	10.380	1067	10.380	1129	10.380	1191	10.380	1253	10.380
820	10.380	882	10.380	944	10.380	1006	10.380	1068	10.380	1130	10.380	1192	10.380	1254	10.380
821	10.380	883	10.380	945	10.380	1007	10.380	1069	10.380	1131	10.380	1193	10.380	1255	10.380
822	10.380	884	10.380	946	10.380	1008	10.380	1070	10.380	1132	10.380	1194	10.380	1256	10.380
823	10.380	885	10.380	947	10.380	1009	10.380	1071	10.380	1133	10.380	1195	10.380	1257	10.380
824	10.380	886	10.380	948	10.380	1010	10.380	1072	10.380	1134	10.380	1196	10.380	1258	10.380
825	10.380	887	10.380	949	10.380	1011	10.380	1073	10.380	1135	10.380	1197	10.380	1259	10.380
826	10.380	888	10.380	950	10.380	1012	10.380	1074	10.380	1136	10.380	1198	10.380	1260	10.380
827	10.380	889	10.380	951	10.380	1013	10.380	1075	10.380	1137	10.380	1199	10.380	1261	10.380
828	10.380	890	10.380	952	10.380	1014	10.380	1076	10.380	1138	10.380	1200	10.380	1262	10.380
829	10.380	891	10.380	953	10.380	1015	10.380	1077	10.380	1139	10.380	1201	10.380	1263	10.380
830	10.380	892	10.380	954	10.380	1016	10.380	1078	10.380	1140	10.380	1202	10.380	1264	10.380
831	10.380	893	10.380	955	10.380	1017	10.380	1079	10.380	1141	10.380	1203	10.380	1265	10.380
832	10.380	894	10.380	956	10.380	1018	10.380	1080	10.380	1142	10.380	1204	10.380	1266	10.380
833	10.380	895	10.380	957	10.380	1019	10.380	1081	10.380	1143	10.380	1205	10.380	1267	10.380
834	10.380	896	10.380	958	10.380	1020	10.380	1082	10.380	1144	10.380	1206	10.380	1268	10.380
835	10.380	897	10.380	959	10.380	1021	10.380	1083	10.380	1145	10.380	1207	10.380	1269	10.380
836	10.380	898	10.380	960	10.380	1022	10.380	1084	10.380	1146	10.380	1208	10.380	1270	10.380
837	10.380	899	10.380	961	10.380	1023	10.380	1085	10.380	1147	10.380	1209	10.380	1271	10.380
838	10.380	900	10.380	962	10.380	1024	10.380	1086	10.380	1148	10.380	1210	10.380	1272	10.380
839	10.380	901	10.380	963	10.380	1025	10.380	1087	10.380	1149	10.380	1211	10.380	1273	10.380
840	10.380	902	10.380	964	10.380	1026	10.380	1088	10.380	1150	10.380	1212	10.380	1274	10.380
841	10.380	903	10.380	965	10.380	1027	10.380	1089	10.380	1151	10.380	1213	10.380	1275	10.380
842	10.380	904	10.380	966	10.380	1028	10.380	1090	10.380	1152	10.380	1214	10.380	1276	10.380
843	10.380	905	10.380	967	10.380	1029	10.380	1091	10.380	1153	10.380	1215	10.380	1277	10.380
844	10.380	906	10.380	968	10.380	1030	10.380	1092	10.380	1154	10.380	1216	10.380	1278	10.380
845	10.380	907	10.380	969	10.380	1031	10.380	1093	10.380	1155	10.380	1217	10.380	1279	10.380
846	10.380	908	10.380	970	10.380	1032	10.380	1094	10.380	1156	10.380	1218	10.380	1280	10.380
847	10.380	909	10.380	971	10.380	1033	10.380	1095	10.380	1157	10.380	1219	10.380	1281	10.380
848	10.380	910	10.380	972	10.380	1034	10.380	1096	10.380	1158	10.380	1220	10.380	1282	10.380
849	10.380	911	10.380	973	10.380	1035	10.380	1097	10.380	1159	10.380	1221	10.380	1283	10.380
850	10.380	912	10.380	974	10.380	1036	10.380	1098	10.380	1160	10.380	1222	10.380	1284	10.380
851	10.380	913	10.380	975	10.380	1037	10.380	1099	10.380	1161	10.380	1223	10.380	1285	10.380
852	10.380	914	10.380	976	10.380	1038	10.380	1100	10.380	1162	10.380	1224	10.380	1286	10.380
853	10.380	915	10.380	977	10.380	1039	10.380	1101	10.380	1163	10.380	1225	10.380	1287	10.380
854	10.380	916	10.380	978	10.380	1040	10.380	1102	10.380	1164	10.380	1226	10.380	1288	10.380
855	10.380	917	10.380	979	10.380	1041	10.380	1103	10.380	1165	10.380	1227	10.380	1289	10.380
856	10.380	918	10.380	980	10.380	1042	10.380	1104	10.380	1166	10.380	1228	10.380	1290	10.380
857	10.380	919	10.380	981	10.380	1043	10.380	1105	10.380	1167	10.380	1229	10.380	1291	10.380
858	10.380	920	10.380	982	10.380	1044	10.380	1106	10.380	1168	10.380	1230	10.380	1292	10.380
859	10.380	921	10.380	983	10.380	1045	10.380	1107	10.380	1169	10.380	1231	10.380	1293	10.380
860	10.380	922	10.380	984	10.380	1046	10.380	1108	10.380	1170	10.380	1232	10.380	1294	10.380
861	10.380	923	10.380	985	10.380	1047	10.380	1109	10.380	1171	10.380	1233	10.380	1295	10.380
862	10.380	924	10.380	986	10.380	1048	10.380	1110	10.380	1172	10.380	1234	10.380	1296	10.380



















































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Surcharged Outfall Details for AB-27

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
10721	10.380	10731	10.380	10741	10.380	10751	10.380	10761	10.380	10771	10.380	10781	10.380
10722	10.380	10732	10.380	10742	10.380	10752	10.380	10762	10.380	10772	10.380	10782	10.380
10723	10.380	10733	10.380	10743	10.380	10753	10.380	10763	10.380	10773	10.380	10783	10.380
10724	10.380	10734	10.380	10744	10.380	10754	10.380	10764	10.380	10774	10.380	10784	10.380
10725	10.380	10735	10.380	10745	10.380	10755	10.380	10765	10.380	10775	10.380	10785	10.380
10726	10.380	10736	10.380	10746	10.380	10756	10.380	10766	10.380	10776	10.380	10786	10.380
10727	10.380	10737	10.380	10747	10.380	10757	10.380	10767	10.380	10777	10.380	10787	10.380
10728	10.380	10738	10.380	10748	10.380	10758	10.380	10768	10.380	10778	10.380	10788	10.380
10729	10.380	10739	10.380	10749	10.380	10759	10.380	10769	10.380	10779	10.380	10789	10.380
10730	10.380	10740	10.380	10750	10.380	10760	10.380	10770	10.380	10780	10.380	10790	10.380
		10740	10.380	10750	10.380	10760	10.380	10770	10.380	10780	10.380	10790	10.380
				10750	10.380	10760	10.380	10770	10.380	10780	10.380	10800	10.380

Simulation Criteria for AB-27

Volumetric Runoff Coeff 0.750      Additional Flow - % of Total Flow 0.000  
 Areal Reduction Factor 1.000      MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start (mins) 0      Inlet Coefficient 0.800  
 Hot Start Level (mm) 0      Flow per Person per Day (l/per/day) 0.000  
 Manhole Headloss Coeff (Global) 0.500      Run Time (mins) 60  
 Foul Sewage per hectare (l/s) 0.000      Output Interval (mins) 1

Number of Input Hydrographs 0      Number of Offline Controls 0      Number of Time/Area Diagrams 0  
 Number of Online Controls 1      Number of Storage Structures 1      Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH      Summer Storms Yes  
 Return Period (years) 30      Winter Storms Yes  
 FEH Rainfall Version 2013      Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538      Cv (Winter) 0.840  
 Data Type Point Storm Duration (mins) 30



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Online Controls for AB-27

Hydro-Brake® Optimum Manhole: S21, DS/PN: S3.005, Volume (m³): 2.5

Unit Reference MD-SHE-0113-5000-0500-5000  
 Design Head (m) 0.500  
 Design Flow (l/s) 5.0  
 Flush-Flo™ Calculated  
 Objective Minimise upstream storage  
 Application Surface  
 Sump Available Yes  
 Diameter (mm) 113  
 Invert Level (m) 9.920  
 Minimum Outlet Pipe Diameter (mm) 150  
 Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	0.500	5.0	Kick-Flo®	0.372	4.4
Flush-Flo™	0.179	5.0	Mean Flow over Head Range	-	4.1

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.9	0.800	6.2	2.000	9.6	4.000	13.3	7.000	17.4
0.200	5.0	1.000	6.9	2.200	10.0	4.500	14.1	7.500	18.1
0.300	4.8	1.200	7.5	2.400	10.4	5.000	14.8	8.000	18.7
0.400	4.5	1.400	8.1	2.600	10.8	5.500	15.4	8.500	19.2
0.500	5.0	1.600	8.6	3.000	11.6	6.000	16.1	9.000	19.8
0.600	5.4	1.800	9.1	3.500	12.5	6.500	16.8	9.500	20.3





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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-27

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
Analysis Timestep 2.5 Second Increment (Extended)  
DTS Status OFF  
DVD Status ON  
Inertia Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged	Flooded	Flow / Cap.
									Level (m)	Depth (m)	Volume (m <sup>3</sup> )	
S3.000	S16	15 Winter	2	+0%					13.545	-0.365	0.000	0.08
S3.001	S17	15 Winter	2	+0%	100/15 Summer				11.066	-0.284	0.000	0.28
S3.002	S18	15 Winter	2	+0%	100/15 Summer				10.969	-0.281	0.000	0.30
S4.000	S19	15 Winter	2	+0%					13.392	-0.268	0.000	0.02
S3.003	S19	15 Winter	2	+0%	100/15 Summer				10.809	-0.191	0.000	0.29
S3.004	S20	15 Winter	2	+0%	100/15 Summer				10.393	-0.177	0.000	0.36
S3.005	S21	5760 Winter	2	+0%	30/960 Winter				10.178	-0.042	0.000	0.05

PN	US/MH Name	Pipe		Level Exceeded
		Overflow (l/s)	Flow (l/s)	
S3.000	S16		39.5	OK
S3.001	S17		37.9	OK
S3.002	S18		41.7	OK
S4.000	S19		5.8	OK
S3.003	S19		45.9	OK
S3.004	S20		45.8	OK
S3.005	S21		5.0	OK



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-27

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
 Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
 FEH Rainfall Version 2013 Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status OFF  
 DVD Status ON  
 Inertia Status ON

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
 2160, 2880, 4320, 5760  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged	Flooded	Flow / Cap.
									Level (m)	Depth (m)	Volume (m <sup>3</sup> )	
S3.000	S16	15 Winter	5	+0%					13.558	-0.352	0.000	0.11
S3.001	S17	15 Winter	5	+0%	100/15 Summer				11.097	-0.253	0.000	0.38
S3.002	S18	15 Winter	5	+0%	100/15 Summer				11.000	-0.250	0.000	0.40
S4.000	S19	15 Winter	5	+0%					13.396	-0.264	0.000	0.03
S3.003	S19	15 Winter	5	+0%	100/15 Summer				10.830	-0.170	0.000	0.39
S3.004	S20	15 Winter	5	+0%	100/15 Summer				10.417	-0.153	0.000	0.49
S3.005	S21	5760 Winter	5	+0%	30/960 Winter				10.217	-0.003	0.000	0.05

PN	US/MH Name	Pipe		Level Exceeded
		Overflow (l/s)	Flow (l/s) Status	
S3.000	S16		53.2 OK	
S3.001	S17		51.2 OK	
S3.002	S18		56.3 OK	
S4.000	S19		7.8 OK	
S3.003	S19		62.2 OK	
S3.004	S20		62.2 OK	
S3.005	S21		5.0 OK	



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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-27

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
 Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
 FEH Rainfall Version 2013 Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status OFF  
 DVD Status ON  
 Inertia Status ON

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
 2160, 2880, 4320, 5760  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged	Flooded	Flow / Cap.
									Level (m)	Depth (m)	Volume (m <sup>3</sup> )	
S3.000	S16	15 Winter	30	+0%					13.588	-0.322	0.000	0.17
S3.001	S17	15 Winter	30	+0%	100/15 Summer				11.167	-0.183	0.000	0.62
S3.002	S18	15 Winter	30	+0%	100/15 Summer				11.074	-0.176	0.000	0.66
S4.000	S19	15 Winter	30	+0%					13.406	-0.254	0.000	0.06
S3.003	S19	15 Winter	30	+0%	100/15 Summer				10.876	-0.124	0.000	0.64
S3.004	S20	15 Winter	30	+0%	100/15 Summer				10.475	-0.095	0.000	0.81
S3.005	S21	5760 Winter	30	+0%	30/960 Winter				10.323	0.103	0.000	0.05

PN	US/MH Name	Overflow (l/s)	Pipe	Level Exceeded
			Flow (l/s) Status	
S3.000	S16	88.0	OK	
S3.001	S17	84.6	OK	
S3.002	S18	92.8	OK	
S4.000	S19	12.9	OK	
S3.003	S19	103.1	OK	
S3.004	S20	103.5	OK	
S3.005	S21	5.0	SURCHARGED	



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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for AB-27

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
Analysis Timestep 2.5 Second Increment (Extended)  
DTS Status OFF  
DVD Status ON  
Inertia Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S3.000	S16	15 Winter	100	+40%					13.635	-0.275	0.000	0.31
S3.001	S17	15 Winter	100	+40%	100/15 Summer				11.406	0.056	0.000	1.10
S3.002	S18	15 Winter	100	+40%	100/15 Summer				11.278	0.028	0.000	1.15
S4.000	S19	15 Winter	100	+40%					13.423	-0.237	0.000	0.10
S3.003	S19	15 Winter	100	+40%	100/15 Summer				11.163	0.163	0.000	0.99
S3.004	S20	15 Winter	100	+40%	100/15 Summer				10.738	0.168	0.000	1.23
S3.005	S21	2160 Winter	100	+40%	30/960 Winter				10.441	0.221	0.000	0.02

PN	US/MH Name	Pipe Overflow (l/s)	Pipe Flow (l/s)	Level Exceeded
S3.000	S16		157.5	OK
S3.001	S17		149.5	SURCHARGED
S3.002	S18		161.3	SURCHARGED
S4.000	S19		23.1	OK
S3.003	S19		158.2	SURCHARGED
S3.004	S20		158.0	SURCHARGED
S3.005	S21		2.2	SURCHARGED

Sizewell Link Road  
DCO Design Review  
Swale Discharge to Watercourse



Date 05/10/2021  
File SLR-AB-30 C.MDX

Designed by Daniel James  
Checked by Derek Lord

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### STORM SEWER DESIGN by the Modified Rational Method

#### Design Criteria for Storm

Pipe Sizes STANDARD Manhole Sizes STANDARD

FEH Rainfall Model

Return Period (years)	5
FEH Rainfall Version	2013
Site Location GB 640286 267538 TM 40286 67538	
Data Type	Point
Maximum Rainfall (mm/hr)	50
Maximum Time of Concentration (mins)	15
Foul Sewage (l/s/ha)	0.000
Volumetric Runoff Coeff.	0.750
PIMP (%)	100
Add Flow / Climate Change (%)	0
Minimum Backdrop Height (m)	0.200
Maximum Backdrop Height (m)	1.500
Min Design Depth for Optimisation (m)	1.200
Min Vel for Auto Design only (m/s)	1.00
Min Slope for Optimisation (1:X)	500

Designed with Level Soffits

#### Time Area Diagram for Storm

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.269	4-8	0.627	8-12	0.120	12-16	0.107	16-20	0.070	20-24	0.000

Total Area Contributing (ha) = 1.194

Total Pipe Volume (m<sup>3</sup>) = 134.808

#### Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S1.000	50.959	0.303	168.2	0.192	15.00	0.0	0.600	o	375	Pipe/Conduit	🔴
S1.001	50.959	0.303	168.2	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit	🔴
S1.002	43.747	0.489	89.5	0.052	0.00	0.0	0.600	o	450	Pipe/Conduit	🔴
S1.003	6.207	0.026	238.7	0.000	0.00	0.0	0.600	o	450	Pipe/Conduit	🔴
S2.000	78.881	0.472	167.1	0.104	15.00	0.0	0.600	o	300	Pipe/Conduit	🔴
S2.001	46.638	0.279	167.2	0.078	0.00	0.0	0.600	o	300	Pipe/Conduit	🔴
S2.002	88.059	2.400	36.7	0.043	0.00	0.0	0.600	o	300	Pipe/Conduit	🔴
S2.003	54.327	3.225	16.8	0.027	0.00	0.0	0.600	o	300	Pipe/Conduit	🔴

#### Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S1.000	46.20	15.00	14.095	0.192	0.0	0.0	0.0	1.39	154.0	24.0
S1.001	46.20	15.00	13.792	0.192	0.0	0.0	0.0	1.39	154.0	24.0
S1.002	46.20	15.00	13.489	0.244	0.0	0.0	0.0	2.15	342.0	30.5
S1.003	46.20	15.00	13.000	0.244	0.0	0.0	0.0	1.31	208.6	30.5
S2.000	46.20	15.00	20.000	0.104	0.0	0.0	0.0	1.21	85.8	13.0
S2.001	46.20	15.00	19.528	0.182	0.0	0.0	0.0	1.21	85.8	22.8
S2.002	46.20	15.00	19.040	0.226	0.0	0.0	0.0	2.60	184.1	28.2
S2.003	46.20	15.00	16.640	0.252	0.0	0.0	0.0	3.85	272.1	31.6

Sizewell Link Road  
DCO Design Review  
Swale Discharge to Watercourse



Date 05/10/2021

Designed by Daniel James

File SLR-AB-30 C.MDX

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### Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S1.004	84.036	2.834	29.7	0.158	0.00	0.0	0.600	o	300	Pipe/Conduit	🔴
S3.000	42.616	0.729	58.5	0.052	15.00	0.0	0.600	o	225	Pipe/Conduit	🔴
S3.001	2.407	0.014	171.9	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	🔴
S3.002	85.120	1.630	52.2	0.082	0.00	0.0	0.600	o	300	Pipe/Conduit	🔴
S3.003	63.847	2.892	22.1	0.157	0.00	0.0	0.600	o	300	Pipe/Conduit	🔴
S3.004	15.600	0.360	43.3	0.008	0.00	0.0	0.600	o	375	Pipe/Conduit	🔴
S3.005	67.916	0.280	242.6	0.022	0.00	0.0	0.600	o	375	Pipe/Conduit	🔴
S3.006	22.089	0.091	242.7	0.007	0.00	0.0	0.600	o	375	Pipe/Conduit	🔴
S3.007	58.372	2.868	20.4	0.022	0.00	0.0	0.600	o	375	Pipe/Conduit	🔴
S4.000	91.265	1.560	58.5	0.055	15.00	0.0	0.600	o	225	Pipe/Conduit	🔴
S4.001	64.357	1.315	48.9	0.049	0.00	0.0	0.600	o	225	Pipe/Conduit	🔴
S4.002	60.799	5.760	10.6	0.031	0.00	0.0	0.600	o	225	Pipe/Conduit	🔴
S4.003	60.799	0.362	168.0	0.036	0.00	0.0	0.600	o	300	Pipe/Conduit	🔴
S3.008	17.592	0.110	159.9	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	🔴
S3.009	32.250	0.098	329.1	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	🔴
S3.010	17.995	0.530	34.0	0.018	0.00	0.0	0.600	o	600	Pipe/Conduit	🔴
S3.011	38.358	0.077	500.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	🔴
S1.005	21.521	0.043	500.5	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	🔴
S1.006	20.001	0.040	500.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	🔴
S1.007	19.911	0.199	100.0	0.000	0.00	0.0	0.600	o	600	Pipe/Conduit	🟡

### Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S1.004	46.20	15.00	12.974	0.654	0.0	0.0	0.0	2.90	204.8	81.9
S3.000	46.20	15.00	20.540	0.052	0.0	0.0	0.0	1.71	68.1	6.5
S3.001	46.20	15.00	19.811	0.052	0.0	0.0	0.0	0.99	39.5	6.5
S3.002	46.20	15.00	19.722	0.134	0.0	0.0	0.0	2.18	154.1	16.7
S3.003	46.20	15.00	18.092	0.291	0.0	0.0	0.0	3.36	237.6	36.4
S3.004	46.20	15.00	15.125	0.299	0.0	0.0	0.0	2.76	304.7	37.4
S3.005	46.20	15.00	14.765	0.321	0.0	0.0	0.0	1.16	128.0	40.1
S3.006	46.20	15.00	14.485	0.328	0.0	0.0	0.0	1.16	128.0	41.0
S3.007	46.20	15.00	14.394	0.349	0.0	0.0	0.0	4.03	445.3	43.7
S4.000	46.20	15.00	20.310	0.055	0.0	0.0	0.0	1.71	68.1	6.9
S4.001	46.20	15.00	18.750	0.104	0.0	0.0	0.0	1.87	74.5	13.1
S4.002	46.20	15.00	17.435	0.135	0.0	0.0	0.0	4.05	161.1	16.9
S4.003	46.20	15.00	11.600	0.172	0.0	0.0	0.0	1.21	85.6	21.5
S3.008	46.20	15.00	10.938	0.521	0.0	0.0	0.0	1.92	543.7	65.2
S3.009	46.20	15.00	10.828	0.521	0.0	0.0	0.0	1.34	378.0	65.2
S3.010	46.20	15.00	10.730	0.539	0.0	0.0	0.0	4.19	1184.4	67.5
S3.011	46.20	15.00	10.200	0.539	0.0	0.0	0.0	1.08	306.0	67.5
S1.005	46.20	15.00	10.123	1.194	0.0	0.0	0.0	1.08	305.8	149.4
S1.006	46.20	15.00	10.080	1.194	0.0	0.0	0.0	1.08	306.0	149.4
S1.007	46.20	15.00	10.040	1.194	0.0	0.0	0.0	2.44	688.6	149.4

Sizewell Link Road  
DCO Design Review  
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Date 05/10/2021  
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XP Solutions

Network 2019.1

Manhole Schedules for Storm

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S1	15.520	1.425	Open Manhole	1350	S1.000	14.095	375				
S2	15.120	1.328	Open Manhole	1350	S1.001	13.792	375	S1.000	13.792	375	
S2	15.120	1.631	Open Manhole	1350	S1.002	13.489	450	S1.001	13.489	375	
S3	15.000	2.000	Open Manhole	1350	S1.003	13.000	450	S1.002	13.000	450	
S5	21.000	1.000	Open Manhole	1200	S2.000	20.000	300				
S6	21.000	1.472	Open Manhole	1200	S2.001	19.528	300	S2.000	19.528	300	
S4	20.340	1.300	Open Manhole	1200	S2.002	19.040	300	S2.001	19.249	300	209
S5	17.940	1.300	Open Manhole	1200	S2.003	16.640	300	S2.002	16.640	300	
S4	14.840	1.866	Open Manhole	1350	S1.004	12.974	300	S1.003	12.974	450	
								S2.003	13.415	300	441
S5	21.840	1.300	Open Manhole	1200	S3.000	20.540	225				
S6	21.500	1.689	Open Manhole	1200	S3.001	19.811	225	S3.000	19.811	225	
S7	21.480	1.758	Open Manhole	1200	S3.002	19.722	300	S3.001	19.797	225	
S8	19.440	1.348	Open Manhole	1200	S3.003	18.092	300	S3.002	18.092	300	
S9	16.700	1.575	Open Manhole	1350	S3.004	15.125	375	S3.003	15.200	300	
S10	16.340	1.575	Open Manhole	1350	S3.005	14.765	375	S3.004	14.765	375	
S11	16.080	1.595	Open Manhole	1350	S3.006	14.485	375	S3.005	14.485	375	
S12	16.080	1.686	Open Manhole	1350	S3.007	14.394	375	S3.006	14.394	375	
S33	21.610	1.300	Open Manhole	1200	S4.000	20.310	225				
S34	20.210	1.460	Open Manhole	1200	S4.001	18.750	225	S4.000	18.750	225	
S17	18.860	1.425	Open Manhole	1200	S4.002	17.435	225	S4.001	17.435	225	
S19	13.100	1.500	Open Manhole	1200	S4.003	11.600	300	S4.002	11.675	225	
S13	13.100	2.162	Open Manhole	1500	S3.008	10.938	600	S3.007	11.526	375	363
								S4.003	11.238	300	
S14	12.990	2.162	Open Manhole	1500	S3.009	10.828	600	S3.008	10.828	600	
S15	12.530	1.800	Open Manhole	1500	S3.010	10.730	600	S3.009	10.730	600	
S16	12.000	1.800	Open Manhole	1500	S3.011	10.200	600	S3.010	10.200	600	
S5	11.640	1.517	Open Manhole	1500	S1.005	10.123	600	S1.004	10.140	300	
								S3.011	10.123	600	
S6	12.500	2.420	Open Manhole	1500	S1.006	10.080	600	S1.005	10.080	600	
S7	12.060	2.020	Open Manhole	1500	S1.007	10.040	600	S1.006	10.040	600	
S	10.600	0.759	Open Manhole	0		OUTFALL		S1.007	9.841	600	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S1	643016.071	265887.910	643016.071	265887.910	Required	
S2	643008.643	265938.302	643008.643	265938.302	Required	
S2	643006.420	265989.189	643006.420	265989.189	Required	
S3	643007.781	266032.915	643007.781	266032.915	Required	



Sizewell Link Road  
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Network 2019.1

Manhole Schedules for Storm

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S5	643139.747	265958.367	643139.747	265958.367	Required	
S6	643072.057	265918.830	643072.057	265918.830	Required	
S4	643034.244	265896.739	643034.244	265896.739	Required	
S5	643018.859	265983.443	643018.859	265983.443	Required	
S4	643012.122	266037.351	643012.122	266037.351	Required	
S5	642821.422	265822.052	642821.422	265822.052	Required	
S6	642861.767	265835.777	642861.767	265835.777	Required	
S7	642863.560	265834.171	642863.560	265834.171	Required	
S8	642927.609	265890.233	642927.609	265890.233	Required	
S9	642987.060	265912.576	642987.060	265912.576	Required	
S10	642993.533	265925.299	642993.533	265925.299	Required	
S11	642989.912	265993.118	642989.912	265993.118	Required	
S12	642990.942	266015.183	642990.942	266015.183	Required	
S33	642871.784	265847.956	642871.784	265847.956	Required	
S34	642940.002	265907.156	642940.002	265907.156	Required	
S17	642980.858	265952.186	642980.858	265952.186	Required	
S19	642984.871	266012.853	642984.871	266012.853	Required	
S13	642988.885	266073.519	642988.885	266073.519	Required	
S14	642971.333	266074.700	642971.333	266074.700	Required	
S15	642975.959	266106.617	642975.959	266106.617	Required	

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Manhole Schedules for Storm

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S16	642993.488	266110.685	642993.488	266110.685	Required	
S5	643030.872	266119.269	643030.872	266119.269	Required	
S6	643050.123	266109.648	643050.123	266109.648	Required	
S7	643049.911	266129.648	643049.911	266129.648	Required	
S	643050.000	266149.560			No Entry	

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PIPELINE SCHEDULES for Storm

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.000	o	375	S1	15.520	14.095	1.050	Open Manhole	1350
S1.001	o	375	S2	15.120	13.792	0.953	Open Manhole	1350
S1.002	o	450	S2	15.120	13.489	1.181	Open Manhole	1350
S1.003	o	450	S3	15.000	13.000	1.550	Open Manhole	1350
S2.000	o	300	S5	21.000	20.000	0.700	Open Manhole	1200
S2.001	o	300	S6	21.000	19.528	1.172	Open Manhole	1200
S2.002	o	300	S4	20.340	19.040	1.000	Open Manhole	1200
S2.003	o	300	S5	17.940	16.640	1.000	Open Manhole	1200
S1.004	o	300	S4	14.840	12.974	1.566	Open Manhole	1350
S3.000	o	225	S5	21.840	20.540	1.075	Open Manhole	1200
S3.001	o	225	S6	21.500	19.811	1.464	Open Manhole	1200
S3.002	o	300	S7	21.480	19.722	1.458	Open Manhole	1200
S3.003	o	300	S8	19.440	18.092	1.048	Open Manhole	1200
S3.004	o	375	S9	16.700	15.125	1.200	Open Manhole	1350
S3.005	o	375	S10	16.340	14.765	1.200	Open Manhole	1350
S3.006	o	375	S11	16.080	14.485	1.220	Open Manhole	1350
S3.007	o	375	S12	16.080	14.394	1.311	Open Manhole	1350
S4.000	o	225	S33	21.610	20.310	1.075	Open Manhole	1200
S4.001	o	225	S34	20.210	18.750	1.235	Open Manhole	1200
S4.002	o	225	S17	18.860	17.435	1.200	Open Manhole	1200
S4.003	o	300	S19	13.100	11.600	1.200	Open Manhole	1200
S3.008	o	600	S13	13.100	10.938	1.562	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.000	50.959	168.2	S2	15.120	13.792	0.953	Open Manhole	1350
S1.001	50.959	168.2	S2	15.120	13.489	1.256	Open Manhole	1350
S1.002	43.747	89.5	S3	15.000	13.000	1.550	Open Manhole	1350
S1.003	6.207	238.7	S4	14.840	12.974	1.416	Open Manhole	1350
S2.000	78.881	167.1	S6	21.000	19.528	1.172	Open Manhole	1200
S2.001	46.638	167.2	S4	20.340	19.249	0.791	Open Manhole	1200
S2.002	88.059	36.7	S5	17.940	16.640	1.000	Open Manhole	1200
S2.003	54.327	16.8	S4	14.840	13.415	1.125	Open Manhole	1350
S1.004	84.036	29.7	S5	11.640	10.140	1.200	Open Manhole	1500
S3.000	42.616	58.5	S6	21.500	19.811	1.464	Open Manhole	1200
S3.001	2.407	171.9	S7	21.480	19.797	1.458	Open Manhole	1200
S3.002	85.120	52.2	S8	19.440	18.092	1.048	Open Manhole	1200
S3.003	63.847	22.1	S9	16.700	15.200	1.200	Open Manhole	1350
S3.004	15.600	43.3	S10	16.340	14.765	1.200	Open Manhole	1350
S3.005	67.916	242.6	S11	16.080	14.485	1.220	Open Manhole	1350
S3.006	22.089	242.7	S12	16.080	14.394	1.311	Open Manhole	1350
S3.007	58.372	20.4	S13	13.100	11.526	1.199	Open Manhole	1500
S4.000	91.265	58.5	S34	20.210	18.750	1.235	Open Manhole	1200
S4.001	64.357	48.9	S17	18.860	17.435	1.200	Open Manhole	1200
S4.002	60.799	10.6	S19	13.100	11.675	1.200	Open Manhole	1200
S4.003	60.799	168.0	S13	13.100	11.238	1.562	Open Manhole	1500
S3.008	17.592	159.9	S14	12.990	10.828	1.562	Open Manhole	1500

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PIPELINE SCHEDULES for Storm

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S3.009	o	600	S14	12.990	10.828	1.562	Open Manhole	1500
S3.010	o	600	S15	12.530	10.730	1.200	Open Manhole	1500
S3.011	o	600	S16	12.000	10.200	1.200	Open Manhole	1500
S1.005	o	600	S5	11.640	10.123	0.917	Open Manhole	1500
S1.006	o	600	S6	12.500	10.080	1.820	Open Manhole	1500
S1.007	o	600	S7	12.060	10.040	1.420	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S3.009	32.250	329.1	S15	12.530	10.730	1.200	Open Manhole	1500
S3.010	17.995	34.0	S16	12.000	10.200	1.200	Open Manhole	1500
S3.011	38.358	500.0	S5	11.640	10.123	0.917	Open Manhole	1500
S1.005	21.521	500.5	S6	12.500	10.080	1.820	Open Manhole	1500
S1.006	20.001	500.0	S7	12.060	10.040	1.420	Open Manhole	1500
S1.007	19.911	100.0	S	10.600	9.841	0.159	Open Manhole	0

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Area Summary for Storm

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
1.000	User	-	100	0.136	0.136	0.136
	User	-	25	0.222	0.056	0.192
1.001	-	-	100	0.000	0.000	0.000
1.002	User	-	100	0.052	0.052	0.052
1.003	-	-	100	0.000	0.000	0.000
2.000	User	-	100	0.104	0.104	0.104
2.001	User	-	100	0.078	0.078	0.078
2.002	User	-	50	0.087	0.043	0.043
2.003	User	-	50	0.053	0.027	0.027
1.004	User	-	100	0.101	0.101	0.101
	User	-	25	0.073	0.018	0.119
	User	-	50	0.079	0.039	0.158
3.000	User	-	100	0.052	0.052	0.052
3.001	-	-	100	0.000	0.000	0.000
3.002	User	-	100	0.059	0.059	0.059
	User	-	25	0.093	0.023	0.082
3.003	User	-	100	0.136	0.136	0.136
	User	-	25	0.083	0.021	0.157
3.004	User	-	25	0.030	0.008	0.008
3.005	User	-	25	0.088	0.022	0.022
3.006	User	-	25	0.030	0.007	0.007
3.007	User	-	25	0.086	0.022	0.022
4.000	User	-	50	0.111	0.055	0.055
4.001	User	-	50	0.098	0.049	0.049
4.002	User	-	50	0.062	0.031	0.031
4.003	User	-	50	0.073	0.036	0.036
3.008	-	-	100	0.000	0.000	0.000
3.009	-	-	100	0.000	0.000	0.000
3.010	User	-	25	0.073	0.018	0.018
3.011	-	-	100	0.000	0.000	0.000
1.005	-	-	100	0.000	0.000	0.000
1.006	-	-	100	0.000	0.000	0.000
1.007	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				2.058	1.194	1.194

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Network Classifications for Storm

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S1.000	S1	375	0.953	1.050	Unclassified	1350	0	1.050	Unclassified
S1.001	S2	375	0.953	1.256	Unclassified	1350	0	0.953	Unclassified
S1.002	S2	450	1.181	1.550	Unclassified	1350	0	1.181	Unclassified
S1.003	S3	450	1.416	1.550	Unclassified	1350	0	1.550	Unclassified
S2.000	S5	300	0.700	1.172	Unclassified	1200	0	0.700	Unclassified
S2.001	S6	300	0.791	1.172	Unclassified	1200	0	1.172	Unclassified
S2.002	S4	300	1.000	1.000	Unclassified	1200	0	1.000	Unclassified
S2.003	S5	300	1.000	1.125	Unclassified	1200	0	1.000	Unclassified
S1.004	S4	300	1.200	1.566	Unclassified	1350	0	1.566	Unclassified
S3.000	S5	225	1.075	1.464	Unclassified	1200	0	1.075	Unclassified
S3.001	S6	225	1.458	1.464	Unclassified	1200	0	1.464	Unclassified
S3.002	S7	300	1.048	1.458	Unclassified	1200	0	1.458	Unclassified
S3.003	S8	300	1.048	1.200	Unclassified	1200	0	1.048	Unclassified
S3.004	S9	375	1.200	1.200	Unclassified	1350	0	1.200	Unclassified
S3.005	S10	375	1.200	1.220	Unclassified	1350	0	1.200	Unclassified
S3.006	S11	375	1.220	1.311	Unclassified	1350	0	1.220	Unclassified
S3.007	S12	375	1.199	1.311	Unclassified	1350	0	1.311	Unclassified
S4.000	S33	225	1.075	1.235	Unclassified	1200	0	1.075	Unclassified
S4.001	S34	225	1.200	1.235	Unclassified	1200	0	1.235	Unclassified
S4.002	S17	225	1.200	1.200	Unclassified	1200	0	1.200	Unclassified
S4.003	S19	300	1.200	1.562	Unclassified	1200	0	1.200	Unclassified
S3.008	S13	600	1.562	1.562	Unclassified	1500	0	1.562	Unclassified
S3.009	S14	600	1.200	1.562	Unclassified	1500	0	1.562	Unclassified
S3.010	S15	600	1.200	1.200	Unclassified	1500	0	1.200	Unclassified
S3.011	S16	600	0.917	1.200	Unclassified	1500	0	1.200	Unclassified
S1.005	S5	600	0.917	1.820	Unclassified	1500	0	0.917	Unclassified
S1.006	S6	600	1.420	1.820	Unclassified	1500	0	1.820	Unclassified
S1.007	S7	600	0.159	1.420	Unclassified	1500	0	1.420	Unclassified

Surcharged Outfall Details for Storm

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
S1.007	S	10.600	9.841	0.000	0	0

Datum (m) 0.000 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1	10.380	18	10.380	35	10.380	52	10.380	69	10.380	86	10.380	103	10.380
2	10.380	19	10.380	36	10.380	53	10.380	70	10.380	87	10.380	104	10.380
3	10.380	20	10.380	37	10.380	54	10.380	71	10.380	88	10.380	105	10.380
4	10.380	21	10.380	38	10.380	55	10.380	72	10.380	89	10.380	106	10.380
5	10.380	22	10.380	39	10.380	56	10.380	73	10.380	90	10.380	107	10.380
6	10.380	23	10.380	40	10.380	57	10.380	74	10.380	91	10.380	108	10.380
7	10.380	24	10.380	41	10.380	58	10.380	75	10.380	92	10.380	109	10.380
8	10.380	25	10.380	42	10.380	59	10.380	76	10.380	93	10.380	110	10.380
9	10.380	26	10.380	43	10.380	60	10.380	77	10.380	94	10.380	111	10.380
10	10.380	27	10.380	44	10.380	61	10.380	78	10.380	95	10.380	112	10.380
11	10.380	28	10.380	45	10.380	62	10.380	79	10.380	96	10.380	113	10.380
12	10.380	29	10.380	46	10.380	63	10.380	80	10.380	97	10.380	114	10.380
13	10.380	30	10.380	47	10.380	64	10.380	81	10.380	98	10.380	115	10.380
14	10.380	31	10.380	48	10.380	65	10.380	82	10.380	99	10.380	116	10.380
15	10.380	32	10.380	49	10.380	66	10.380	83	10.380	100	10.380	117	10.380
16	10.380	33	10.380	50	10.380	67	10.380	84	10.380	101	10.380	118	10.380
17	10.380	34	10.380	51	10.380	68	10.380	85	10.380	102	10.380	119	10.380

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
137	10.380	199	10.380	261	10.380	323	10.380	385	10.380	447	10.380	509	10.380
138	10.380	200	10.380	262	10.380	324	10.380	386	10.380	448	10.380	510	10.380
139	10.380	201	10.380	263	10.380	325	10.380	387	10.380	449	10.380	511	10.380
140	10.380	202	10.380	264	10.380	326	10.380	388	10.380	450	10.380	512	10.380
141	10.380	203	10.380	265	10.380	327	10.380	389	10.380	451	10.380	513	10.380
142	10.380	204	10.380	266	10.380	328	10.380	390	10.380	452	10.380	514	10.380
143	10.380	205	10.380	267	10.380	329	10.380	391	10.380	453	10.380	515	10.380
144	10.380	206	10.380	268	10.380	330	10.380	392	10.380	454	10.380	516	10.380
145	10.380	207	10.380	269	10.380	331	10.380	393	10.380	455	10.380	517	10.380
146	10.380	208	10.380	270	10.380	332	10.380	394	10.380	456	10.380	518	10.380
147	10.380	209	10.380	271	10.380	333	10.380	395	10.380	457	10.380	519	10.380
148	10.380	210	10.380	272	10.380	334	10.380	396	10.380	458	10.380	520	10.380
149	10.380	211	10.380	273	10.380	335	10.380	397	10.380	459	10.380	521	10.380
150	10.380	212	10.380	274	10.380	336	10.380	398	10.380	460	10.380	522	10.380
151	10.380	213	10.380	275	10.380	337	10.380	399	10.380	461	10.380	523	10.380
152	10.380	214	10.380	276	10.380	338	10.380	400	10.380	462	10.380	524	10.380
153	10.380	215	10.380	277	10.380	339	10.380	401	10.380	463	10.380	525	10.380
154	10.380	216	10.380	278	10.380	340	10.380	402	10.380	464	10.380	526	10.380
155	10.380	217	10.380	279	10.380	341	10.380	403	10.380	465	10.380	527	10.380
156	10.380	218	10.380	280	10.380	342	10.380	404	10.380	466	10.380	528	10.380
157	10.380	219	10.380	281	10.380	343	10.380	405	10.380	467	10.380	529	10.380
158	10.380	220	10.380	282	10.380	344	10.380	406	10.380	468	10.380	530	10.380
159	10.380	221	10.380	283	10.380	345	10.380	407	10.380	469	10.380	531	10.380
160	10.380	222	10.380	284	10.380	346	10.380	408	10.380	470	10.380	532	10.380
161	10.380	223	10.380	285	10.380	347	10.380	409	10.380	471	10.380	533	10.380
162	10.380	224	10.380	286	10.380	348	10.380	410	10.380	472	10.380	534	10.380
163	10.380	225	10.380	287	10.380	349	10.380	411	10.380	473	10.380	535	10.380
164	10.380	226	10.380	288	10.380	350	10.380	412	10.380	474	10.380	536	10.380
165	10.380	227	10.380	289	10.380	351	10.380	413	10.380	475	10.380	537	10.380
166	10.380	228	10.380	290	10.380	352	10.380	414	10.380	476	10.380	538	10.380
167	10.380	229	10.380	291	10.380	353	10.380	415	10.380	477	10.380	539	10.380
168	10.380	230	10.380	292	10.380	354	10.380	416	10.380	478	10.380	540	10.380
169	10.380	231	10.380	293	10.380	355	10.380	417	10.380	479	10.380	541	10.380
170	10.380	232	10.380	294	10.380	356	10.380	418	10.380	480	10.380	542	10.380
171	10.380	233	10.380	295	10.380	357	10.380	419	10.380	481	10.380	543	10.380
172	10.380	234	10.380	296	10.380	358	10.380	420	10.380	482	10.380	544	10.380
173	10.380	235	10.380	297	10.380	359	10.380	421	10.380	483	10.380	545	10.380
174	10.380	236	10.380	298	10.380	360	10.380	422	10.380	484	10.380	546	10.380
175	10.380	237	10.380	299	10.380	361	10.380	423	10.380	485	10.380	547	10.380
176	10.380	238	10.380	300	10.380	362	10.380	424	10.380	486	10.380	548	10.380
177	10.380	239	10.380	301	10.380	363	10.380	425	10.380	487	10.380	549	10.380
178	10.380	240	10.380	302	10.380	364	10.380	426	10.380	488	10.380	550	10.380
179	10.380	241	10.380	303	10.380	365	10.380	427	10.380	489	10.380	551	10.380
180	10.380	242	10.380	304	10.380	366	10.380	428	10.380	490	10.380	552	10.380
181	10.380	243	10.380	305	10.380	367	10.380	429	10.380	491	10.380	553	10.380
182	10.380	244	10.380	306	10.380	368	10.380	430	10.380	492	10.380	554	10.380
183	10.380	245	10.380	307	10.380	369	10.380	431	10.380	493	10.380	555	10.380
184	10.380	246	10.380	308	10.380	370	10.380	432	10.380	494	10.380	556	10.380
185	10.380	247	10.380	309	10.380	371	10.380	433	10.380	495	10.380	557	10.380
186	10.380	248	10.380	310	10.380	372	10.380	434	10.380	496	10.380	558	10.380
187	10.380	249	10.380	311	10.380	373	10.380	435	10.380	497	10.380	559	10.380
188	10.380	250	10.380	312	10.380	374	10.380	436	10.380	498	10.380	560	10.380
189	10.380	251	10.380	313	10.380	375	10.380	437	10.380	499	10.380	561	10.380
190	10.380	252	10.380	314	10.380	376	10.380	438	10.380	500	10.380	562	10.380
191	10.380	253	10.380	315	10.380	377	10.380	439	10.380	501	10.380	563	10.380
192	10.380	254	10.380	316	10.380	378	10.380	440	10.380	502	10.380	564	10.380
193	10.380	255	10.380	317	10.380	379	10.380	441	10.380	503	10.380	565	10.380
194	10.380	256	10.380	318	10.380	380	10.380	442	10.380	504	10.380	566	10.380
195	10.380	257	10.380	319	10.380	381	10.380	443	10.380	505	10.380	567	10.380
196	10.380	258	10.380	320	10.380	382	10.380	444	10.380	506	10.380	568	10.380
197	10.380	259	10.380	321	10.380	383	10.380	445	10.380	507	10.380	569	10.380
198	10.380	260	10.380	322	10.380	384	10.380	446	10.380	508	10.380	570	10.380



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633	10.380	695	10.380	757	10.380	819	10.380	881	10.380	943	10.380	1005	10.380
634	10.380	696	10.380	758	10.380	820	10.380	882	10.380	944	10.380	1006	10.380
635	10.380	697	10.380	759	10.380	821	10.380	883	10.380	945	10.380	1007	10.380
636	10.380	698	10.380	760	10.380	822	10.380	884	10.380	946	10.380	1008	10.380
637	10.380	699	10.380	761	10.380	823	10.380	885	10.380	947	10.380	1009	10.380
638	10.380	700	10.380	762	10.380	824	10.380	886	10.380	948	10.380	1010	10.380
639	10.380	701	10.380	763	10.380	825	10.380	887	10.380	949	10.380	1011	10.380
640	10.380	702	10.380	764	10.380	826	10.380	888	10.380	950	10.380	1012	10.380
641	10.380	703	10.380	765	10.380	827	10.380	889	10.380	951	10.380	1013	10.380
642	10.380	704	10.380	766	10.380	828	10.380	890	10.380	952	10.380	1014	10.380
643	10.380	705	10.380	767	10.380	829	10.380	891	10.380	953	10.380	1015	10.380
644	10.380	706	10.380	768	10.380	830	10.380	892	10.380	954	10.380	1016	10.380
645	10.380	707	10.380	769	10.380	831	10.380	893	10.380	955	10.380	1017	10.380
646	10.380	708	10.380	770	10.380	832	10.380	894	10.380	956	10.380	1018	10.380
647	10.380	709	10.380	771	10.380	833	10.380	895	10.380	957	10.380	1019	10.380
648	10.380	710	10.380	772	10.380	834	10.380	896	10.380	958	10.380	1020	10.380
649	10.380	711	10.380	773	10.380	835	10.380	897	10.380	959	10.380	1021	10.380
650	10.380	712	10.380	774	10.380	836	10.380	898	10.380	960	10.380	1022	10.380
651	10.380	713	10.380	775	10.380	837	10.380	899	10.380	961	10.380	1023	10.380
652	10.380	714	10.380	776	10.380	838	10.380	900	10.380	962	10.380	1024	10.380
653	10.380	715	10.380	777	10.380	839	10.380	901	10.380	963	10.380	1025	10.380
654	10.380	716	10.380	778	10.380	840	10.380	902	10.380	964	10.380	1026	10.380
655	10.380	717	10.380	779	10.380	841	10.380	903	10.380	965	10.380	1027	10.380
656	10.380	718	10.380	780	10.380	842	10.380	904	10.380	966	10.380	1028	10.380
657	10.380	719	10.380	781	10.380	843	10.380	905	10.380	967	10.380	1029	10.380
658	10.380	720	10.380	782	10.380	844	10.380	906	10.380	968	10.380	1030	10.380
659	10.380	721	10.380	783	10.380	845	10.380	907	10.380	969	10.380	1031	10.380
660	10.380	722	10.380	784	10.380	846	10.380	908	10.380	970	10.380	1032	10.380
661	10.380	723	10.380	785	10.380	847	10.380	909	10.380	971	10.380	1033	10.380
662	10.380	724	10.380	786	10.380	848	10.380	910	10.380	972	10.380	1034	10.380
663	10.380	725	10.380	787	10.380	849	10.380	911	10.380	973	10.380	1035	10.380
664	10.380	726	10.380	788	10.380	850	10.380	912	10.380	974	10.380	1036	10.380
665	10.380	727	10.380	789	10.380	851	10.380	913	10.380	975	10.380	1037	10.380
666	10.380	728	10.380	790	10.380	852	10.380	914	10.380	976	10.380	1038	10.380
667	10.380	729	10.380	791	10.380	853	10.380	915	10.380	977	10.380	1039	10.380
668	10.380	730	10.380	792	10.380	854	10.380	916	10.380	978	10.380	1040	10.380
669	10.380	731	10.380	793	10.380	855	10.380	917	10.380	979	10.380	1041	10.380
670	10.380	732	10.380	794	10.380	856	10.380	918	10.380	980	10.380	1042	10.380
671	10.380	733	10.380	795	10.380	857	10.380	919	10.380	981	10.380	1043	10.380
672	10.380	734	10.380	796	10.380	858	10.380	920	10.380	982	10.380	1044	10.380
673	10.380	735	10.380	797	10.380	859	10.380	921	10.380	983	10.380	1045	10.380
674	10.380	736	10.380	798	10.380	860	10.380	922	10.380	984	10.380	1046	10.380
675	10.380	737	10.380	799	10.380	861	10.380	923	10.380	985	10.380	1047	10.380
676	10.380	738	10.380	800	10.380	862	10.380	924	10.380	986	10.380	1048	10.380
677	10.380	739	10.380	801	10.380	863	10.380	925	10.380	987	10.380	1049	10.380
678	10.380	740	10.380	802	10.380	864	10.380	926	10.380	988	10.380	1050	10.380
679	10.380	741	10.380	803	10.380	865	10.380	927	10.380	989	10.380	1051	10.380
680	10.380	742	10.380	804	10.380	866	10.380	928	10.380	990	10.380	1052	10.380
681	10.380	743	10.380	805	10.380	867	10.380	929	10.380	991	10.380	1053	10.380
682	10.380	744	10.380	806	10.380	868	10.380	930	10.380	992	10.380	1054	10.380
683	10.380	745	10.380	807	10.380	869	10.380	931	10.380	993	10.380	1055	10.380
684	10.380	746	10.380	808	10.380	870	10.380	932	10.380	994	10.380	1056	10.380
685	10.380	747	10.380	809	10.380	871	10.380	933	10.380	995	10.380	1057	10.380
686	10.380	748	10.380	810	10.380	872	10.380	934	10.380	996	10.380	1058	10.380
687	10.380	749	10.380	811	10.380	873	10.380	935	10.380	997	10.380	1059	10.380
688	10.380	750	10.380	812	10.380	874	10.380	936	10.380	998	10.380	1060	10.380
689	10.380	751	10.380	813	10.380	875	10.380	937	10.380	999	10.380	1061	10.380
690	10.380	752	10.380	814	10.380	876	10.380	938	10.380	1000	10.380	1062	10.380
691	10.380	753	10.380	815	10.380	877	10.380	939	10.380	1001	10.380	1063	10.380
692	10.380	754	10.380	816	10.380	878	10.380	940	10.380	1002	10.380	1064	10.380
693	10.380	755	10.380	817	10.380	879	10.380	941	10.380	1003	10.380	1065	10.380
694	10.380	756	10.380	818	10.380	880	10.380	942	10.380	1004	10.380	1066	10.380

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1129	10.380	1191	10.380	1253	10.380	1315	10.380	1377	10.380	1439	10.380	1501	10.380
1130	10.380	1192	10.380	1254	10.380	1316	10.380	1378	10.380	1440	10.380	1502	10.380
1131	10.380	1193	10.380	1255	10.380	1317	10.380	1379	10.380	1441	10.380	1503	10.380
1132	10.380	1194	10.380	1256	10.380	1318	10.380	1380	10.380	1442	10.380	1504	10.380
1133	10.380	1195	10.380	1257	10.380	1319	10.380	1381	10.380	1443	10.380	1505	10.380
1134	10.380	1196	10.380	1258	10.380	1320	10.380	1382	10.380	1444	10.380	1506	10.380
1135	10.380	1197	10.380	1259	10.380	1321	10.380	1383	10.380	1445	10.380	1507	10.380
1136	10.380	1198	10.380	1260	10.380	1322	10.380	1384	10.380	1446	10.380	1508	10.380
1137	10.380	1199	10.380	1261	10.380	1323	10.380	1385	10.380	1447	10.380	1509	10.380
1138	10.380	1200	10.380	1262	10.380	1324	10.380	1386	10.380	1448	10.380	1510	10.380
1139	10.380	1201	10.380	1263	10.380	1325	10.380	1387	10.380	1449	10.380	1511	10.380
1140	10.380	1202	10.380	1264	10.380	1326	10.380	1388	10.380	1450	10.380	1512	10.380
1141	10.380	1203	10.380	1265	10.380	1327	10.380	1389	10.380	1451	10.380	1513	10.380
1142	10.380	1204	10.380	1266	10.380	1328	10.380	1390	10.380	1452	10.380	1514	10.380
1143	10.380	1205	10.380	1267	10.380	1329	10.380	1391	10.380	1453	10.380	1515	10.380
1144	10.380	1206	10.380	1268	10.380	1330	10.380	1392	10.380	1454	10.380	1516	10.380
1145	10.380	1207	10.380	1269	10.380	1331	10.380	1393	10.380	1455	10.380	1517	10.380
1146	10.380	1208	10.380	1270	10.380	1332	10.380	1394	10.380	1456	10.380	1518	10.380
1147	10.380	1209	10.380	1271	10.380	1333	10.380	1395	10.380	1457	10.380	1519	10.380
1148	10.380	1210	10.380	1272	10.380	1334	10.380	1396	10.380	1458	10.380	1520	10.380
1149	10.380	1211	10.380	1273	10.380	1335	10.380	1397	10.380	1459	10.380	1521	10.380
1150	10.380	1212	10.380	1274	10.380	1336	10.380	1398	10.380	1460	10.380	1522	10.380
1151	10.380	1213	10.380	1275	10.380	1337	10.380	1399	10.380	1461	10.380	1523	10.380
1152	10.380	1214	10.380	1276	10.380	1338	10.380	1400	10.380	1462	10.380	1524	10.380
1153	10.380	1215	10.380	1277	10.380	1339	10.380	1401	10.380	1463	10.380	1525	10.380
1154	10.380	1216	10.380	1278	10.380	1340	10.380	1402	10.380	1464	10.380	1526	10.380
1155	10.380	1217	10.380	1279	10.380	1341	10.380	1403	10.380	1465	10.380	1527	10.380
1156	10.380	1218	10.380	1280	10.380	1342	10.380	1404	10.380	1466	10.380	1528	10.380
1157	10.380	1219	10.380	1281	10.380	1343	10.380	1405	10.380	1467	10.380	1529	10.380
1158	10.380	1220	10.380	1282	10.380	1344	10.380	1406	10.380	1468	10.380	1530	10.380
1159	10.380	1221	10.380	1283	10.380	1345	10.380	1407	10.380	1469	10.380	1531	10.380
1160	10.380	1222	10.380	1284	10.380	1346	10.380	1408	10.380	1470	10.380	1532	10.380
1161	10.380	1223	10.380	1285	10.380	1347	10.380	1409	10.380	1471	10.380	1533	10.380
1162	10.380	1224	10.380	1286	10.380	1348	10.380	1410	10.380	1472	10.380	1534	10.380
1163	10.380	1225	10.380	1287	10.380	1349	10.380	1411	10.380	1473	10.380	1535	10.380
1164	10.380	1226	10.380	1288	10.380	1350	10.380	1412	10.380	1474	10.380	1536	10.380
1165	10.380	1227	10.380	1289	10.380	1351	10.380	1413	10.380	1475	10.380	1537	10.380
1166	10.380	1228	10.380	1290	10.380	1352	10.380	1414	10.380	1476	10.380	1538	10.380
1167	10.380	1229	10.380	1291	10.380	1353	10.380	1415	10.380	1477	10.380	1539	10.380
1168	10.380	1230	10.380	1292	10.380	1354	10.380	1416	10.380	1478	10.380	1540	10.380
1169	10.380	1231	10.380	1293	10.380	1355	10.380	1417	10.380	1479	10.380	1541	10.380
1170	10.380	1232	10.380	1294	10.380	1356	10.380	1418	10.380	1480	10.380	1542	10.380
1171	10.380	1233	10.380	1295	10.380	1357	10.380	1419	10.380	1481	10.380	1543	10.380
1172	10.380	1234	10.380	1296	10.380	1358	10.380	1420	10.380	1482	10.380	1544	10.380
1173	10.380	1235	10.380	1297	10.380	1359	10.380	1421	10.380	1483	10.380	1545	10.380
1174	10.380	1236	10.380	1298	10.380	1360	10.380	1422	10.380	1484	10.380	1546	10.380
1175	10.380	1237	10.380	1299	10.380	1361	10.380	1423	10.380	1485	10.380	1547	10.380
1176	10.380	1238	10.380	1300	10.380	1362	10.380	1424	10.380	1486	10.380	1548	10.380
1177	10.380	1239	10.380	1301	10.380	1363	10.380	1425	10.380	1487	10.380	1549	10.380
1178	10.380	1240	10.380	1302	10.380	1364	10.380	1426	10.380	1488	10.380	1550	10.380
1179	10.380	1241	10.380	1303	10.380	1365	10.380	1427	10.380	1489	10.380	1551	10.380
1180	10.380	1242	10.380	1304	10.380	1366	10.380	1428	10.380	1490	10.380	1552	10.380
1181	10.380	1243	10.380	1305	10.380	1367	10.380	1429	10.380	1491	10.380	1553	10.380
1182	10.380	1244	10.380	1306	10.380	1368	10.380	1430	10.380	1492	10.380	1554	10.380
1183	10.380	1245	10.380	1307	10.380	1369	10.380	1431	10.380	1493	10.380	1555	10.380
1184	10.380	1246	10.380	1308	10.380	1370	10.380	1432	10.380	1494	10.380	1556	10.380
1185	10.380	1247	10.380	1309	10.380	1371	10.380	1433	10.380	1495	10.380	1557	10.380
1186	10.380	1248	10.380	1310	10.380	1372	10.380	1434	10.380	1496	10.380	1558	10.380
1187	10.380	1249	10.380	1311	10.380	1373	10.380	1435	10.380	1497	10.380	1559	10.380
1188	10.380	1250	10.380	1312	10.380	1374	10.380	1436	10.380	1498	10.380	1560	10.380
1189	10.380	1251	10.380	1313	10.380	1375	10.380	1437	10.380	1499	10.380	1561	10.380
1190	10.380	1252	10.380	1314	10.380	1376	10.380	1438	10.380	1500	10.380	1562	10.380

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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1625	10.380	1687	10.380	1749	10.380	1811	10.380	1873	10.380	1935	10.380	1997	10.380
1626	10.380	1688	10.380	1750	10.380	1812	10.380	1874	10.380	1936	10.380	1998	10.380
1627	10.380	1689	10.380	1751	10.380	1813	10.380	1875	10.380	1937	10.380	1999	10.380
1628	10.380	1690	10.380	1752	10.380	1814	10.380	1876	10.380	1938	10.380	2000	10.380
1629	10.380	1691	10.380	1753	10.380	1815	10.380	1877	10.380	1939	10.380	2001	10.380
1630	10.380	1692	10.380	1754	10.380	1816	10.380	1878	10.380	1940	10.380	2002	10.380
1631	10.380	1693	10.380	1755	10.380	1817	10.380	1879	10.380	1941	10.380	2003	10.380
1632	10.380	1694	10.380	1756	10.380	1818	10.380	1880	10.380	1942	10.380	2004	10.380
1633	10.380	1695	10.380	1757	10.380	1819	10.380	1881	10.380	1943	10.380	2005	10.380
1634	10.380	1696	10.380	1758	10.380	1820	10.380	1882	10.380	1944	10.380	2006	10.380
1635	10.380	1697	10.380	1759	10.380	1821	10.380	1883	10.380	1945	10.380	2007	10.380
1636	10.380	1698	10.380	1760	10.380	1822	10.380	1884	10.380	1946	10.380	2008	10.380
1637	10.380	1699	10.380	1761	10.380	1823	10.380	1885	10.380	1947	10.380	2009	10.380
1638	10.380	1700	10.380	1762	10.380	1824	10.380	1886	10.380	1948	10.380	2010	10.380
1639	10.380	1701	10.380	1763	10.380	1825	10.380	1887	10.380	1949	10.380	2011	10.380
1640	10.380	1702	10.380	1764	10.380	1826	10.380	1888	10.380	1950	10.380	2012	10.380
1641	10.380	1703	10.380	1765	10.380	1827	10.380	1889	10.380	1951	10.380	2013	10.380
1642	10.380	1704	10.380	1766	10.380	1828	10.380	1890	10.380	1952	10.380	2014	10.380
1643	10.380	1705	10.380	1767	10.380	1829	10.380	1891	10.380	1953	10.380	2015	10.380
1644	10.380	1706	10.380	1768	10.380	1830	10.380	1892	10.380	1954	10.380	2016	10.380
1645	10.380	1707	10.380	1769	10.380	1831	10.380	1893	10.380	1955	10.380	2017	10.380
1646	10.380	1708	10.380	1770	10.380	1832	10.380	1894	10.380	1956	10.380	2018	10.380
1647	10.380	1709	10.380	1771	10.380	1833	10.380	1895	10.380	1957	10.380	2019	10.380
1648	10.380	1710	10.380	1772	10.380	1834	10.380	1896	10.380	1958	10.380	2020	10.380
1649	10.380	1711	10.380	1773	10.380	1835	10.380	1897	10.380	1959	10.380	2021	10.380
1650	10.380	1712	10.380	1774	10.380	1836	10.380	1898	10.380	1960	10.380	2022	10.380
1651	10.380	1713	10.380	1775	10.380	1837	10.380	1899	10.380	1961	10.380	2023	10.380
1652	10.380	1714	10.380	1776	10.380	1838	10.380	1900	10.380	1962	10.380	2024	10.380
1653	10.380	1715	10.380	1777	10.380	1839	10.380	1901	10.380	1963	10.380	2025	10.380
1654	10.380	1716	10.380	1778	10.380	1840	10.380	1902	10.380	1964	10.380	2026	10.380
1655	10.380	1717	10.380	1779	10.380	1841	10.380	1903	10.380	1965	10.380	2027	10.380
1656	10.380	1718	10.380	1780	10.380	1842	10.380	1904	10.380	1966	10.380	2028	10.380
1657	10.380	1719	10.380	1781	10.380	1843	10.380	1905	10.380	1967	10.380	2029	10.380
1658	10.380	1720	10.380	1782	10.380	1844	10.380	1906	10.380	1968	10.380	2030	10.380
1659	10.380	1721	10.380	1783	10.380	1845	10.380	1907	10.380	1969	10.380	2031	10.380
1660	10.380	1722	10.380	1784	10.380	1846	10.380	1908	10.380	1970	10.380	2032	10.380
1661	10.380	1723	10.380	1785	10.380	1847	10.380	1909	10.380	1971	10.380	2033	10.380
1662	10.380	1724	10.380	1786	10.380	1848	10.380	1910	10.380	1972	10.380	2034	10.380
1663	10.380	1725	10.380	1787	10.380	1849	10.380	1911	10.380	1973	10.380	2035	10.380
1664	10.380	1726	10.380	1788	10.380	1850	10.380	1912	10.380	1974	10.380	2036	10.380
1665	10.380	1727	10.380	1789	10.380	1851	10.380	1913	10.380	1975	10.380	2037	10.380
1666	10.380	1728	10.380	1790	10.380	1852	10.380	1914	10.380	1976	10.380	2038	10.380
1667	10.380	1729	10.380	1791	10.380	1853	10.380	1915	10.380	1977	10.380	2039	10.380
1668	10.380	1730	10.380	1792	10.380	1854	10.380	1916	10.380	1978	10.380	2040	10.380
1669	10.380	1731	10.380	1793	10.380	1855	10.380	1917	10.380	1979	10.380	2041	10.380
1670	10.380	1732	10.380	1794	10.380	1856	10.380	1918	10.380	1980	10.380	2042	10.380
1671	10.380	1733	10.380	1795	10.380	1857	10.380	1919	10.380	1981	10.380	2043	10.380
1672	10.380	1734	10.380	1796	10.380	1858	10.380	1920	10.380	1982	10.380	2044	10.380
1673	10.380	1735	10.380	1797	10.380	1859	10.380	1921	10.380	1983	10.380	2045	10.380
1674	10.380	1736	10.380	1798	10.380	1860	10.380	1922	10.380	1984	10.380	2046	10.380
1675	10.380	1737	10.380	1799	10.380	1861	10.380	1923	10.380	1985	10.380	2047	10.380
1676	10.380	1738	10.380	1800	10.380	1862	10.380	1924	10.380	1986	10.380	2048	10.380
1677	10.380	1739	10.380	1801	10.380	1863	10.380	1925	10.380	1987	10.380	2049	10.380
1678	10.380	1740	10.380	1802	10.380	1864	10.380	1926	10.380	1988	10.380	2050	10.380
1679	10.380	1741	10.380	1803	10.380	1865	10.380	1927	10.380	1989	10.380	2051	10.380
1680	10.380	1742	10.380	1804	10.380	1866	10.380	1928	10.380	1990	10.380	2052	10.380
1681	10.380	1743	10.380	1805	10.380	1867	10.380	1929	10.380	1991	10.380	2053	10.380
1682	10.380	1744	10.380	1806	10.380	1868	10.380	1930	10.380	1992	10.380	2054	10.380
1683	10.380	1745	10.380	1807	10.380	1869	10.380	1931	10.380	1993	10.380	2055	10.380
1684	10.380	1746	10.380	1808	10.380	1870	10.380	1932	10.380	1994	10.380	2056	10.380
1685	10.380	1747	10.380	1809	10.380	1871	10.380	1933	10.380	1995	10.380	2057	10.380
1686	10.380	1748	10.380	1810	10.380	1872	10.380	1934	10.380	1996	10.380	2058	10.380

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2121	10.380	2183	10.380	2245	10.380	2307	10.380	2369	10.380	2431	10.380	2493	10.380
2122	10.380	2184	10.380	2246	10.380	2308	10.380	2370	10.380	2432	10.380	2494	10.380
2123	10.380	2185	10.380	2247	10.380	2309	10.380	2371	10.380	2433	10.380	2495	10.380
2124	10.380	2186	10.380	2248	10.380	2310	10.380	2372	10.380	2434	10.380	2496	10.380
2125	10.380	2187	10.380	2249	10.380	2311	10.380	2373	10.380	2435	10.380	2497	10.380
2126	10.380	2188	10.380	2250	10.380	2312	10.380	2374	10.380	2436	10.380	2498	10.380
2127	10.380	2189	10.380	2251	10.380	2313	10.380	2375	10.380	2437	10.380	2499	10.380
2128	10.380	2190	10.380	2252	10.380	2314	10.380	2376	10.380	2438	10.380	2500	10.380
2129	10.380	2191	10.380	2253	10.380	2315	10.380	2377	10.380	2439	10.380	2501	10.380
2130	10.380	2192	10.380	2254	10.380	2316	10.380	2378	10.380	2440	10.380	2502	10.380
2131	10.380	2193	10.380	2255	10.380	2317	10.380	2379	10.380	2441	10.380	2503	10.380
2132	10.380	2194	10.380	2256	10.380	2318	10.380	2380	10.380	2442	10.380	2504	10.380
2133	10.380	2195	10.380	2257	10.380	2319	10.380	2381	10.380	2443	10.380	2505	10.380
2134	10.380	2196	10.380	2258	10.380	2320	10.380	2382	10.380	2444	10.380	2506	10.380
2135	10.380	2197	10.380	2259	10.380	2321	10.380	2383	10.380	2445	10.380	2507	10.380
2136	10.380	2198	10.380	2260	10.380	2322	10.380	2384	10.380	2446	10.380	2508	10.380
2137	10.380	2199	10.380	2261	10.380	2323	10.380	2385	10.380	2447	10.380	2509	10.380
2138	10.380	2200	10.380	2262	10.380	2324	10.380	2386	10.380	2448	10.380	2510	10.380
2139	10.380	2201	10.380	2263	10.380	2325	10.380	2387	10.380	2449	10.380	2511	10.380
2140	10.380	2202	10.380	2264	10.380	2326	10.380	2388	10.380	2450	10.380	2512	10.380
2141	10.380	2203	10.380	2265	10.380	2327	10.380	2389	10.380	2451	10.380	2513	10.380
2142	10.380	2204	10.380	2266	10.380	2328	10.380	2390	10.380	2452	10.380	2514	10.380
2143	10.380	2205	10.380	2267	10.380	2329	10.380	2391	10.380	2453	10.380	2515	10.380
2144	10.380	2206	10.380	2268	10.380	2330	10.380	2392	10.380	2454	10.380	2516	10.380
2145	10.380	2207	10.380	2269	10.380	2331	10.380	2393	10.380	2455	10.380	2517	10.380
2146	10.380	2208	10.380	2270	10.380	2332	10.380	2394	10.380	2456	10.380	2518	10.380
2147	10.380	2209	10.380	2271	10.380	2333	10.380	2395	10.380	2457	10.380	2519	10.380
2148	10.380	2210	10.380	2272	10.380	2334	10.380	2396	10.380	2458	10.380	2520	10.380
2149	10.380	2211	10.380	2273	10.380	2335	10.380	2397	10.380	2459	10.380	2521	10.380
2150	10.380	2212	10.380	2274	10.380	2336	10.380	2398	10.380	2460	10.380	2522	10.380
2151	10.380	2213	10.380	2275	10.380	2337	10.380	2399	10.380	2461	10.380	2523	10.380
2152	10.380	2214	10.380	2276	10.380	2338	10.380	2400	10.380	2462	10.380	2524	10.380
2153	10.380	2215	10.380	2277	10.380	2339	10.380	2401	10.380	2463	10.380	2525	10.380
2154	10.380	2216	10.380	2278	10.380	2340	10.380	2402	10.380	2464	10.380	2526	10.380
2155	10.380	2217	10.380	2279	10.380	2341	10.380	2403	10.380	2465	10.380	2527	10.380
2156	10.380	2218	10.380	2280	10.380	2342	10.380	2404	10.380	2466	10.380	2528	10.380
2157	10.380	2219	10.380	2281	10.380	2343	10.380	2405	10.380	2467	10.380	2529	10.380
2158	10.380	2220	10.380	2282	10.380	2344	10.380	2406	10.380	2468	10.380	2530	10.380
2159	10.380	2221	10.380	2283	10.380	2345	10.380	2407	10.380	2469	10.380	2531	10.380
2160	10.380	2222	10.380	2284	10.380	2346	10.380	2408	10.380	2470	10.380	2532	10.380
2161	10.380	2223	10.380	2285	10.380	2347	10.380	2409	10.380	2471	10.380	2533	10.380
2162	10.380	2224	10.380	2286	10.380	2348	10.380	2410	10.380	2472	10.380	2534	10.380
2163	10.380	2225	10.380	2287	10.380	2349	10.380	2411	10.380	2473	10.380	2535	10.380
2164	10.380	2226	10.380	2288	10.380	2350	10.380	2412	10.380	2474	10.380	2536	10.380
2165	10.380	2227	10.380	2289	10.380	2351	10.380	2413	10.380	2475	10.380	2537	10.380
2166	10.380	2228	10.380	2290	10.380	2352	10.380	2414	10.380	2476	10.380	2538	10.380
2167	10.380	2229	10.380	2291	10.380	2353	10.380	2415	10.380	2477	10.380	2539	10.380
2168	10.380	2230	10.380	2292	10.380	2354	10.380	2416	10.380	2478	10.380	2540	10.380
2169	10.380	2231	10.380	2293	10.380	2355	10.380	2417	10.380	2479	10.380	2541	10.380
2170	10.380	2232	10.380	2294	10.380	2356	10.380	2418	10.380	2480	10.380	2542	10.380
2171	10.380	2233	10.380	2295	10.380	2357	10.380	2419	10.380	2481	10.380	2543	10.380
2172	10.380	2234	10.380	2296	10.380	2358	10.380	2420	10.380	2482	10.380	2544	10.380
2173	10.380	2235	10.380	2297	10.380	2359	10.380	2421	10.380	2483	10.380	2545	10.380
2174	10.380	2236	10.380	2298	10.380	2360	10.380	2422	10.380	2484	10.380	2546	10.380
2175	10.380	2237	10.380	2299	10.380	2361	10.380	2423	10.380	2485	10.380	2547	10.380
2176	10.380	2238	10.380	2300	10.380	2362	10.380	2424	10.380	2486	10.380	2548	10.380
2177	10.380	2239	10.380	2301	10.380	2363	10.380	2425	10.380	2487	10.380	2549	10.380
2178	10.380	2240	10.380	2302	10.380	2364	10.380	2426	10.380	2488	10.380	2550	10.380
2179	10.380	2241	10.380	2303	10.380	2365	10.380	2427	10.380	2489	10.380	2551	10.380
2180	10.380	2242	10.380	2304	10.380	2366	10.380	2428	10.380	2490	10.380	2552	10.380
2181	10.380	2243	10.380	2305	10.380	2367	10.380	2429	10.380	2491	10.380	2553	10.380
2182	10.380	2244	10.380	2306	10.380	2368	10.380	2430	10.380	2492	10.380	2554	10.380

Sizewell Link Road  
 DCO Design Review  
 Swale Discharge to Watercourse



Date 05/10/2021  
 File SLR-AB-30 C.MDX

Designed by Daniel James  
 Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
2617	10.380	2679	10.380	2741	10.380	2803	10.380	2865	10.380	2927	10.380	2989	10.380
2618	10.380	2680	10.380	2742	10.380	2804	10.380	2866	10.380	2928	10.380	2990	10.380
2619	10.380	2681	10.380	2743	10.380	2805	10.380	2867	10.380	2929	10.380	2991	10.380
2620	10.380	2682	10.380	2744	10.380	2806	10.380	2868	10.380	2930	10.380	2992	10.380
2621	10.380	2683	10.380	2745	10.380	2807	10.380	2869	10.380	2931	10.380	2993	10.380
2622	10.380	2684	10.380	2746	10.380	2808	10.380	2870	10.380	2932	10.380	2994	10.380
2623	10.380	2685	10.380	2747	10.380	2809	10.380	2871	10.380	2933	10.380	2995	10.380
2624	10.380	2686	10.380	2748	10.380	2810	10.380	2872	10.380	2934	10.380	2996	10.380
2625	10.380	2687	10.380	2749	10.380	2811	10.380	2873	10.380	2935	10.380	2997	10.380
2626	10.380	2688	10.380	2750	10.380	2812	10.380	2874	10.380	2936	10.380	2998	10.380
2627	10.380	2689	10.380	2751	10.380	2813	10.380	2875	10.380	2937	10.380	2999	10.380
2628	10.380	2690	10.380	2752	10.380	2814	10.380	2876	10.380	2938	10.380	3000	10.380
2629	10.380	2691	10.380	2753	10.380	2815	10.380	2877	10.380	2939	10.380	3001	10.380
2630	10.380	2692	10.380	2754	10.380	2816	10.380	2878	10.380	2940	10.380	3002	10.380
2631	10.380	2693	10.380	2755	10.380	2817	10.380	2879	10.380	2941	10.380	3003	10.380
2632	10.380	2694	10.380	2756	10.380	2818	10.380	2880	10.380	2942	10.380	3004	10.380
2633	10.380	2695	10.380	2757	10.380	2819	10.380	2881	10.380	2943	10.380	3005	10.380
2634	10.380	2696	10.380	2758	10.380	2820	10.380	2882	10.380	2944	10.380	3006	10.380
2635	10.380	2697	10.380	2759	10.380	2821	10.380	2883	10.380	2945	10.380	3007	10.380
2636	10.380	2698	10.380	2760	10.380	2822	10.380	2884	10.380	2946	10.380	3008	10.380
2637	10.380	2699	10.380	2761	10.380	2823	10.380	2885	10.380	2947	10.380	3009	10.380
2638	10.380	2700	10.380	2762	10.380	2824	10.380	2886	10.380	2948	10.380	3010	10.380
2639	10.380	2701	10.380	2763	10.380	2825	10.380	2887	10.380	2949	10.380	3011	10.380
2640	10.380	2702	10.380	2764	10.380	2826	10.380	2888	10.380	2950	10.380	3012	10.380
2641	10.380	2703	10.380	2765	10.380	2827	10.380	2889	10.380	2951	10.380	3013	10.380
2642	10.380	2704	10.380	2766	10.380	2828	10.380	2890	10.380	2952	10.380	3014	10.380
2643	10.380	2705	10.380	2767	10.380	2829	10.380	2891	10.380	2953	10.380	3015	10.380
2644	10.380	2706	10.380	2768	10.380	2830	10.380	2892	10.380	2954	10.380	3016	10.380
2645	10.380	2707	10.380	2769	10.380	2831	10.380	2893	10.380	2955	10.380	3017	10.380
2646	10.380	2708	10.380	2770	10.380	2832	10.380	2894	10.380	2956	10.380	3018	10.380
2647	10.380	2709	10.380	2771	10.380	2833	10.380	2895	10.380	2957	10.380	3019	10.380
2648	10.380	2710	10.380	2772	10.380	2834	10.380	2896	10.380	2958	10.380	3020	10.380
2649	10.380	2711	10.380	2773	10.380	2835	10.380	2897	10.380	2959	10.380	3021	10.380
2650	10.380	2712	10.380	2774	10.380	2836	10.380	2898	10.380	2960	10.380	3022	10.380
2651	10.380	2713	10.380	2775	10.380	2837	10.380	2899	10.380	2961	10.380	3023	10.380
2652	10.380	2714	10.380	2776	10.380	2838	10.380	2900	10.380	2962	10.380	3024	10.380
2653	10.380	2715	10.380	2777	10.380	2839	10.380	2901	10.380	2963	10.380	3025	10.380
2654	10.380	2716	10.380	2778	10.380	2840	10.380	2902	10.380	2964	10.380	3026	10.380
2655	10.380	2717	10.380	2779	10.380	2841	10.380	2903	10.380	2965	10.380	3027	10.380
2656	10.380	2718	10.380	2780	10.380	2842	10.380	2904	10.380	2966	10.380	3028	10.380
2657	10.380	2719	10.380	2781	10.380	2843	10.380	2905	10.380	2967	10.380	3029	10.380
2658	10.380	2720	10.380	2782	10.380	2844	10.380	2906	10.380	2968	10.380	3030	10.380
2659	10.380	2721	10.380	2783	10.380	2845	10.380	2907	10.380	2969	10.380	3031	10.380
2660	10.380	2722	10.380	2784	10.380	2846	10.380	2908	10.380	2970	10.380	3032	10.380
2661	10.380	2723	10.380	2785	10.380	2847	10.380	2909	10.380	2971	10.380	3033	10.380
2662	10.380	2724	10.380	2786	10.380	2848	10.380	2910	10.380	2972	10.380	3034	10.380
2663	10.380	2725	10.380	2787	10.380	2849	10.380	2911	10.380	2973	10.380	3035	10.380
2664	10.380	2726	10.380	2788	10.380	2850	10.380	2912	10.380	2974	10.380	3036	10.380
2665	10.380	2727	10.380	2789	10.380	2851	10.380	2913	10.380	2975	10.380	3037	10.380
2666	10.380	2728	10.380	2790	10.380	2852	10.380	2914	10.380	2976	10.380	3038	10.380
2667	10.380	2729	10.380	2791	10.380	2853	10.380	2915	10.380	2977	10.380	3039	10.380
2668	10.380	2730	10.380	2792	10.380	2854	10.380	2916	10.380	2978	10.380	3040	10.380
2669	10.380	2731	10.380	2793	10.380	2855	10.380	2917	10.380	2979	10.380	3041	10.380
2670	10.380	2732	10.380	2794	10.380	2856	10.380	2918	10.380	2980	10.380	3042	10.380
2671	10.380	2733	10.380	2795	10.380	2857	10.380	2919	10.380	2981	10.380	3043	10.380
2672	10.380	2734	10.380	2796	10.380	2858	10.380	2920	10.380	2982	10.380	3044	10.380
2673	10.380	2735	10.380	2797	10.380	2859	10.380	2921	10.380	2983	10.380	3045	10.380
2674	10.380	2736	10.380	2798	10.380	2860	10.380	2922	10.380	2984	10.380	3046	10.380
2675	10.380	2737	10.380	2799	10.380	2861	10.380	2923	10.380	2985	10.380	3047	10.380
2676	10.380	2738	10.380	2800	10.380	2862	10.380	2924	10.380	2986	10.380	3048	10.380
2677	10.380	2739	10.380	2801	10.380	2863	10.380	2925	10.380	2987	10.380	3049	10.380
2678	10.380	2740	10.380	2802	10.380	2864	10.380	2926	10.380	2988	10.380	3050	10.380

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3113	10.380	3175	10.380	3237	10.380	3299	10.380	3361	10.380	3423	10.380	3485	10.380
3114	10.380	3176	10.380	3238	10.380	3300	10.380	3362	10.380	3424	10.380	3486	10.380
3115	10.380	3177	10.380	3239	10.380	3301	10.380	3363	10.380	3425	10.380	3487	10.380
3116	10.380	3178	10.380	3240	10.380	3302	10.380	3364	10.380	3426	10.380	3488	10.380
3117	10.380	3179	10.380	3241	10.380	3303	10.380	3365	10.380	3427	10.380	3489	10.380
3118	10.380	3180	10.380	3242	10.380	3304	10.380	3366	10.380	3428	10.380	3490	10.380
3119	10.380	3181	10.380	3243	10.380	3305	10.380	3367	10.380	3429	10.380	3491	10.380
3120	10.380	3182	10.380	3244	10.380	3306	10.380	3368	10.380	3430	10.380	3492	10.380
3121	10.380	3183	10.380	3245	10.380	3307	10.380	3369	10.380	3431	10.380	3493	10.380
3122	10.380	3184	10.380	3246	10.380	3308	10.380	3370	10.380	3432	10.380	3494	10.380
3123	10.380	3185	10.380	3247	10.380	3309	10.380	3371	10.380	3433	10.380	3495	10.380
3124	10.380	3186	10.380	3248	10.380	3310	10.380	3372	10.380	3434	10.380	3496	10.380
3125	10.380	3187	10.380	3249	10.380	3311	10.380	3373	10.380	3435	10.380	3497	10.380
3126	10.380	3188	10.380	3250	10.380	3312	10.380	3374	10.380	3436	10.380	3498	10.380
3127	10.380	3189	10.380	3251	10.380	3313	10.380	3375	10.380	3437	10.380	3499	10.380
3128	10.380	3190	10.380	3252	10.380	3314	10.380	3376	10.380	3438	10.380	3500	10.380
3129	10.380	3191	10.380	3253	10.380	3315	10.380	3377	10.380	3439	10.380	3501	10.380
3130	10.380	3192	10.380	3254	10.380	3316	10.380	3378	10.380	3440	10.380	3502	10.380
3131	10.380	3193	10.380	3255	10.380	3317	10.380	3379	10.380	3441	10.380	3503	10.380
3132	10.380	3194	10.380	3256	10.380	3318	10.380	3380	10.380	3442	10.380	3504	10.380
3133	10.380	3195	10.380	3257	10.380	3319	10.380	3381	10.380	3443	10.380	3505	10.380
3134	10.380	3196	10.380	3258	10.380	3320	10.380	3382	10.380	3444	10.380	3506	10.380
3135	10.380	3197	10.380	3259	10.380	3321	10.380	3383	10.380	3445	10.380	3507	10.380
3136	10.380	3198	10.380	3260	10.380	3322	10.380	3384	10.380	3446	10.380	3508	10.380
3137	10.380	3199	10.380	3261	10.380	3323	10.380	3385	10.380	3447	10.380	3509	10.380
3138	10.380	3200	10.380	3262	10.380	3324	10.380	3386	10.380	3448	10.380	3510	10.380
3139	10.380	3201	10.380	3263	10.380	3325	10.380	3387	10.380	3449	10.380	3511	10.380
3140	10.380	3202	10.380	3264	10.380	3326	10.380	3388	10.380	3450	10.380	3512	10.380
3141	10.380	3203	10.380	3265	10.380	3327	10.380	3389	10.380	3451	10.380	3513	10.380
3142	10.380	3204	10.380	3266	10.380	3328	10.380	3390	10.380	3452	10.380	3514	10.380
3143	10.380	3205	10.380	3267	10.380	3329	10.380	3391	10.380	3453	10.380	3515	10.380
3144	10.380	3206	10.380	3268	10.380	3330	10.380	3392	10.380	3454	10.380	3516	10.380
3145	10.380	3207	10.380	3269	10.380	3331	10.380	3393	10.380	3455	10.380	3517	10.380
3146	10.380	3208	10.380	3270	10.380	3332	10.380	3394	10.380	3456	10.380	3518	10.380
3147	10.380	3209	10.380	3271	10.380	3333	10.380	3395	10.380	3457	10.380	3519	10.380
3148	10.380	3210	10.380	3272	10.380	3334	10.380	3396	10.380	3458	10.380	3520	10.380
3149	10.380	3211	10.380	3273	10.380	3335	10.380	3397	10.380	3459	10.380	3521	10.380
3150	10.380	3212	10.380	3274	10.380	3336	10.380	3398	10.380	3460	10.380	3522	10.380
3151	10.380	3213	10.380	3275	10.380	3337	10.380	3399	10.380	3461	10.380	3523	10.380
3152	10.380	3214	10.380	3276	10.380	3338	10.380	3400	10.380	3462	10.380	3524	10.380
3153	10.380	3215	10.380	3277	10.380	3339	10.380	3401	10.380	3463	10.380	3525	10.380
3154	10.380	3216	10.380	3278	10.380	3340	10.380	3402	10.380	3464	10.380	3526	10.380
3155	10.380	3217	10.380	3279	10.380	3341	10.380	3403	10.380	3465	10.380	3527	10.380
3156	10.380	3218	10.380	3280	10.380	3342	10.380	3404	10.380	3466	10.380	3528	10.380
3157	10.380	3219	10.380	3281	10.380	3343	10.380	3405	10.380	3467	10.380	3529	10.380
3158	10.380	3220	10.380	3282	10.380	3344	10.380	3406	10.380	3468	10.380	3530	10.380
3159	10.380	3221	10.380	3283	10.380	3345	10.380	3407	10.380	3469	10.380	3531	10.380
3160	10.380	3222	10.380	3284	10.380	3346	10.380	3408	10.380	3470	10.380	3532	10.380
3161	10.380	3223	10.380	3285	10.380	3347	10.380	3409	10.380	3471	10.380	3533	10.380
3162	10.380	3224	10.380	3286	10.380	3348	10.380	3410	10.380	3472	10.380	3534	10.380
3163	10.380	3225	10.380	3287	10.380	3349	10.380	3411	10.380	3473	10.380	3535	10.380
3164	10.380	3226	10.380	3288	10.380	3350	10.380	3412	10.380	3474	10.380	3536	10.380
3165	10.380	3227	10.380	3289	10.380	3351	10.380	3413	10.380	3475	10.380	3537	10.380
3166	10.380	3228	10.380	3290	10.380	3352	10.380	3414	10.380	3476	10.380	3538	10.380
3167	10.380	3229	10.380	3291	10.380	3353	10.380	3415	10.380	3477	10.380	3539	10.380
3168	10.380	3230	10.380	3292	10.380	3354	10.380	3416	10.380	3478	10.380	3540	10.380
3169	10.380	3231	10.380	3293	10.380	3355	10.380	3417	10.380	3479	10.380	3541	10.380
3170	10.380	3232	10.380	3294	10.380	3356	10.380	3418	10.380	3480	10.380	3542	10.380
3171	10.380	3233	10.380	3295	10.380	3357	10.380	3419	10.380	3481	10.380	3543	10.380
3172	10.380	3234	10.380	3296	10.380	3358	10.380	3420	10.380	3482	10.380	3544	10.380
3173	10.380	3235	10.380	3297	10.380	3359	10.380	3421	10.380	3483	10.380	3545	10.380
3174	10.380	3236	10.380	3298	10.380	3360	10.380	3422	10.380	3484	10.380	3546	10.380



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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
3609	10.380	3671	10.380	3733	10.380	3795	10.380	3857	10.380	3919	10.380	3981	10.380
3610	10.380	3672	10.380	3734	10.380	3796	10.380	3858	10.380	3920	10.380	3982	10.380
3611	10.380	3673	10.380	3735	10.380	3797	10.380	3859	10.380	3921	10.380	3983	10.380
3612	10.380	3674	10.380	3736	10.380	3798	10.380	3860	10.380	3922	10.380	3984	10.380
3613	10.380	3675	10.380	3737	10.380	3799	10.380	3861	10.380	3923	10.380	3985	10.380
3614	10.380	3676	10.380	3738	10.380	3800	10.380	3862	10.380	3924	10.380	3986	10.380
3615	10.380	3677	10.380	3739	10.380	3801	10.380	3863	10.380	3925	10.380	3987	10.380
3616	10.380	3678	10.380	3740	10.380	3802	10.380	3864	10.380	3926	10.380	3988	10.380
3617	10.380	3679	10.380	3741	10.380	3803	10.380	3865	10.380	3927	10.380	3989	10.380
3618	10.380	3680	10.380	3742	10.380	3804	10.380	3866	10.380	3928	10.380	3990	10.380
3619	10.380	3681	10.380	3743	10.380	3805	10.380	3867	10.380	3929	10.380	3991	10.380
3620	10.380	3682	10.380	3744	10.380	3806	10.380	3868	10.380	3930	10.380	3992	10.380
3621	10.380	3683	10.380	3745	10.380	3807	10.380	3869	10.380	3931	10.380	3993	10.380
3622	10.380	3684	10.380	3746	10.380	3808	10.380	3870	10.380	3932	10.380	3994	10.380
3623	10.380	3685	10.380	3747	10.380	3809	10.380	3871	10.380	3933	10.380	3995	10.380
3624	10.380	3686	10.380	3748	10.380	3810	10.380	3872	10.380	3934	10.380	3996	10.380
3625	10.380	3687	10.380	3749	10.380	3811	10.380	3873	10.380	3935	10.380	3997	10.380
3626	10.380	3688	10.380	3750	10.380	3812	10.380	3874	10.380	3936	10.380	3998	10.380
3627	10.380	3689	10.380	3751	10.380	3813	10.380	3875	10.380	3937	10.380	3999	10.380
3628	10.380	3690	10.380	3752	10.380	3814	10.380	3876	10.380	3938	10.380	4000	10.380
3629	10.380	3691	10.380	3753	10.380	3815	10.380	3877	10.380	3939	10.380	4001	10.380
3630	10.380	3692	10.380	3754	10.380	3816	10.380	3878	10.380	3940	10.380	4002	10.380
3631	10.380	3693	10.380	3755	10.380	3817	10.380	3879	10.380	3941	10.380	4003	10.380
3632	10.380	3694	10.380	3756	10.380	3818	10.380	3880	10.380	3942	10.380	4004	10.380
3633	10.380	3695	10.380	3757	10.380	3819	10.380	3881	10.380	3943	10.380	4005	10.380
3634	10.380	3696	10.380	3758	10.380	3820	10.380	3882	10.380	3944	10.380	4006	10.380
3635	10.380	3697	10.380	3759	10.380	3821	10.380	3883	10.380	3945	10.380	4007	10.380
3636	10.380	3698	10.380	3760	10.380	3822	10.380	3884	10.380	3946	10.380	4008	10.380
3637	10.380	3699	10.380	3761	10.380	3823	10.380	3885	10.380	3947	10.380	4009	10.380
3638	10.380	3700	10.380	3762	10.380	3824	10.380	3886	10.380	3948	10.380	4010	10.380
3639	10.380	3701	10.380	3763	10.380	3825	10.380	3887	10.380	3949	10.380	4011	10.380
3640	10.380	3702	10.380	3764	10.380	3826	10.380	3888	10.380	3950	10.380	4012	10.380
3641	10.380	3703	10.380	3765	10.380	3827	10.380	3889	10.380	3951	10.380	4013	10.380
3642	10.380	3704	10.380	3766	10.380	3828	10.380	3890	10.380	3952	10.380	4014	10.380
3643	10.380	3705	10.380	3767	10.380	3829	10.380	3891	10.380	3953	10.380	4015	10.380
3644	10.380	3706	10.380	3768	10.380	3830	10.380	3892	10.380	3954	10.380	4016	10.380
3645	10.380	3707	10.380	3769	10.380	3831	10.380	3893	10.380	3955	10.380	4017	10.380
3646	10.380	3708	10.380	3770	10.380	3832	10.380	3894	10.380	3956	10.380	4018	10.380
3647	10.380	3709	10.380	3771	10.380	3833	10.380	3895	10.380	3957	10.380	4019	10.380
3648	10.380	3710	10.380	3772	10.380	3834	10.380	3896	10.380	3958	10.380	4020	10.380
3649	10.380	3711	10.380	3773	10.380	3835	10.380	3897	10.380	3959	10.380	4021	10.380
3650	10.380	3712	10.380	3774	10.380	3836	10.380	3898	10.380	3960	10.380	4022	10.380
3651	10.380	3713	10.380	3775	10.380	3837	10.380	3899	10.380	3961	10.380	4023	10.380
3652	10.380	3714	10.380	3776	10.380	3838	10.380	3900	10.380	3962	10.380	4024	10.380
3653	10.380	3715	10.380	3777	10.380	3839	10.380	3901	10.380	3963	10.380	4025	10.380
3654	10.380	3716	10.380	3778	10.380	3840	10.380	3902	10.380	3964	10.380	4026	10.380
3655	10.380	3717	10.380	3779	10.380	3841	10.380	3903	10.380	3965	10.380	4027	10.380
3656	10.380	3718	10.380	3780	10.380	3842	10.380	3904	10.380	3966	10.380	4028	10.380
3657	10.380	3719	10.380	3781	10.380	3843	10.380	3905	10.380	3967	10.380	4029	10.380
3658	10.380	3720	10.380	3782	10.380	3844	10.380	3906	10.380	3968	10.380	4030	10.380
3659	10.380	3721	10.380	3783	10.380	3845	10.380	3907	10.380	3969	10.380	4031	10.380
3660	10.380	3722	10.380	3784	10.380	3846	10.380	3908	10.380	3970	10.380	4032	10.380
3661	10.380	3723	10.380	3785	10.380	3847	10.380	3909	10.380	3971	10.380	4033	10.380
3662	10.380	3724	10.380	3786	10.380	3848	10.380	3910	10.380	3972	10.380	4034	10.380
3663	10.380	3725	10.380	3787	10.380	3849	10.380	3911	10.380	3973	10.380	4035	10.380
3664	10.380	3726	10.380	3788	10.380	3850	10.380	3912	10.380	3974	10.380	4036	10.380
3665	10.380	3727	10.380	3789	10.380	3851	10.380	3913	10.380	3975	10.380	4037	10.380
3666	10.380	3728	10.380	3790	10.380	3852	10.380	3914	10.380	3976	10.380	4038	10.380
3667	10.380	3729	10.380	3791	10.380	3853	10.380	3915	10.380	3977	10.380	4039	10.380
3668	10.380	3730	10.380	3792	10.380	3854	10.380	3916	10.380	3978	10.380	4040	10.380
3669	10.380	3731	10.380	3793	10.380	3855	10.380	3917	10.380	3979	10.380	4041	10.380
3670	10.380	3732	10.380	3794	10.380	3856	10.380	3918	10.380	3980	10.380	4042	10.380





Sizewell Link Road  
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Date 05/10/2021  
 File SLR-AB-30 C.MDX

Designed by Daniel James  
 Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
4601	10.380	4663	10.380	4725	10.380	4787	10.380	4849	10.380	4911	10.380	4973	10.380
4602	10.380	4664	10.380	4726	10.380	4788	10.380	4850	10.380	4912	10.380	4974	10.380
4603	10.380	4665	10.380	4727	10.380	4789	10.380	4851	10.380	4913	10.380	4975	10.380
4604	10.380	4666	10.380	4728	10.380	4790	10.380	4852	10.380	4914	10.380	4976	10.380
4605	10.380	4667	10.380	4729	10.380	4791	10.380	4853	10.380	4915	10.380	4977	10.380
4606	10.380	4668	10.380	4730	10.380	4792	10.380	4854	10.380	4916	10.380	4978	10.380
4607	10.380	4669	10.380	4731	10.380	4793	10.380	4855	10.380	4917	10.380	4979	10.380
4608	10.380	4670	10.380	4732	10.380	4794	10.380	4856	10.380	4918	10.380	4980	10.380
4609	10.380	4671	10.380	4733	10.380	4795	10.380	4857	10.380	4919	10.380	4981	10.380
4610	10.380	4672	10.380	4734	10.380	4796	10.380	4858	10.380	4920	10.380	4982	10.380
4611	10.380	4673	10.380	4735	10.380	4797	10.380	4859	10.380	4921	10.380	4983	10.380
4612	10.380	4674	10.380	4736	10.380	4798	10.380	4860	10.380	4922	10.380	4984	10.380
4613	10.380	4675	10.380	4737	10.380	4799	10.380	4861	10.380	4923	10.380	4985	10.380
4614	10.380	4676	10.380	4738	10.380	4800	10.380	4862	10.380	4924	10.380	4986	10.380
4615	10.380	4677	10.380	4739	10.380	4801	10.380	4863	10.380	4925	10.380	4987	10.380
4616	10.380	4678	10.380	4740	10.380	4802	10.380	4864	10.380	4926	10.380	4988	10.380
4617	10.380	4679	10.380	4741	10.380	4803	10.380	4865	10.380	4927	10.380	4989	10.380
4618	10.380	4680	10.380	4742	10.380	4804	10.380	4866	10.380	4928	10.380	4990	10.380
4619	10.380	4681	10.380	4743	10.380	4805	10.380	4867	10.380	4929	10.380	4991	10.380
4620	10.380	4682	10.380	4744	10.380	4806	10.380	4868	10.380	4930	10.380	4992	10.380
4621	10.380	4683	10.380	4745	10.380	4807	10.380	4869	10.380	4931	10.380	4993	10.380
4622	10.380	4684	10.380	4746	10.380	4808	10.380	4870	10.380	4932	10.380	4994	10.380
4623	10.380	4685	10.380	4747	10.380	4809	10.380	4871	10.380	4933	10.380	4995	10.380
4624	10.380	4686	10.380	4748	10.380	4810	10.380	4872	10.380	4934	10.380	4996	10.380
4625	10.380	4687	10.380	4749	10.380	4811	10.380	4873	10.380	4935	10.380	4997	10.380
4626	10.380	4688	10.380	4750	10.380	4812	10.380	4874	10.380	4936	10.380	4998	10.380
4627	10.380	4689	10.380	4751	10.380	4813	10.380	4875	10.380	4937	10.380	4999	10.380
4628	10.380	4690	10.380	4752	10.380	4814	10.380	4876	10.380	4938	10.380	5000	10.380
4629	10.380	4691	10.380	4753	10.380	4815	10.380	4877	10.380	4939	10.380	5001	10.380
4630	10.380	4692	10.380	4754	10.380	4816	10.380	4878	10.380	4940	10.380	5002	10.380
4631	10.380	4693	10.380	4755	10.380	4817	10.380	4879	10.380	4941	10.380	5003	10.380
4632	10.380	4694	10.380	4756	10.380	4818	10.380	4880	10.380	4942	10.380	5004	10.380
4633	10.380	4695	10.380	4757	10.380	4819	10.380	4881	10.380	4943	10.380	5005	10.380
4634	10.380	4696	10.380	4758	10.380	4820	10.380	4882	10.380	4944	10.380	5006	10.380
4635	10.380	4697	10.380	4759	10.380	4821	10.380	4883	10.380	4945	10.380	5007	10.380
4636	10.380	4698	10.380	4760	10.380	4822	10.380	4884	10.380	4946	10.380	5008	10.380
4637	10.380	4699	10.380	4761	10.380	4823	10.380	4885	10.380	4947	10.380	5009	10.380
4638	10.380	4700	10.380	4762	10.380	4824	10.380	4886	10.380	4948	10.380	5010	10.380
4639	10.380	4701	10.380	4763	10.380	4825	10.380	4887	10.380	4949	10.380	5011	10.380
4640	10.380	4702	10.380	4764	10.380	4826	10.380	4888	10.380	4950	10.380	5012	10.380
4641	10.380	4703	10.380	4765	10.380	4827	10.380	4889	10.380	4951	10.380	5013	10.380
4642	10.380	4704	10.380	4766	10.380	4828	10.380	4890	10.380	4952	10.380	5014	10.380
4643	10.380	4705	10.380	4767	10.380	4829	10.380	4891	10.380	4953	10.380	5015	10.380
4644	10.380	4706	10.380	4768	10.380	4830	10.380	4892	10.380	4954	10.380	5016	10.380
4645	10.380	4707	10.380	4769	10.380	4831	10.380	4893	10.380	4955	10.380	5017	10.380
4646	10.380	4708	10.380	4770	10.380	4832	10.380	4894	10.380	4956	10.380	5018	10.380
4647	10.380	4709	10.380	4771	10.380	4833	10.380	4895	10.380	4957	10.380	5019	10.380
4648	10.380	4710	10.380	4772	10.380	4834	10.380	4896	10.380	4958	10.380	5020	10.380
4649	10.380	4711	10.380	4773	10.380	4835	10.380	4897	10.380	4959	10.380	5021	10.380
4650	10.380	4712	10.380	4774	10.380	4836	10.380	4898	10.380	4960	10.380	5022	10.380
4651	10.380	4713	10.380	4775	10.380	4837	10.380	4899	10.380	4961	10.380	5023	10.380
4652	10.380	4714	10.380	4776	10.380	4838	10.380	4900	10.380	4962	10.380	5024	10.380
4653	10.380	4715	10.380	4777	10.380	4839	10.380	4901	10.380	4963	10.380	5025	10.380
4654	10.380	4716	10.380	4778	10.380	4840	10.380	4902	10.380	4964	10.380	5026	10.380
4655	10.380	4717	10.380	4779	10.380	4841	10.380	4903	10.380	4965	10.380	5027	10.380
4656	10.380	4718	10.380	4780	10.380	4842	10.380	4904	10.380	4966	10.380	5028	10.380
4657	10.380	4719	10.380	4781	10.380	4843	10.380	4905	10.380	4967	10.380	5029	10.380
4658	10.380	4720	10.380	4782	10.380	4844	10.380	4906	10.380	4968	10.380	5030	10.380
4659	10.380	4721	10.380	4783	10.380	4845	10.380	4907	10.380	4969	10.380	5031	10.380
4660	10.380	4722	10.380	4784	10.380	4846	10.380	4908	10.380	4970	10.380	5032	10.380
4661	10.380	4723	10.380	4785	10.380	4847	10.380	4909	10.380	4971	10.380	5033	10.380
4662	10.380	4724	10.380	4786	10.380	4848	10.380	4910	10.380	4972	10.380	5034	10.380

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XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5097	10.380	5159	10.380	5221	10.380	5283	10.380	5345	10.380	5407	10.380	5469	10.380
5098	10.380	5160	10.380	5222	10.380	5284	10.380	5346	10.380	5408	10.380	5470	10.380
5099	10.380	5161	10.380	5223	10.380	5285	10.380	5347	10.380	5409	10.380	5471	10.380
5100	10.380	5162	10.380	5224	10.380	5286	10.380	5348	10.380	5410	10.380	5472	10.380
5101	10.380	5163	10.380	5225	10.380	5287	10.380	5349	10.380	5411	10.380	5473	10.380
5102	10.380	5164	10.380	5226	10.380	5288	10.380	5350	10.380	5412	10.380	5474	10.380
5103	10.380	5165	10.380	5227	10.380	5289	10.380	5351	10.380	5413	10.380	5475	10.380
5104	10.380	5166	10.380	5228	10.380	5290	10.380	5352	10.380	5414	10.380	5476	10.380
5105	10.380	5167	10.380	5229	10.380	5291	10.380	5353	10.380	5415	10.380	5477	10.380
5106	10.380	5168	10.380	5230	10.380	5292	10.380	5354	10.380	5416	10.380	5478	10.380
5107	10.380	5169	10.380	5231	10.380	5293	10.380	5355	10.380	5417	10.380	5479	10.380
5108	10.380	5170	10.380	5232	10.380	5294	10.380	5356	10.380	5418	10.380	5480	10.380
5109	10.380	5171	10.380	5233	10.380	5295	10.380	5357	10.380	5419	10.380	5481	10.380
5110	10.380	5172	10.380	5234	10.380	5296	10.380	5358	10.380	5420	10.380	5482	10.380
5111	10.380	5173	10.380	5235	10.380	5297	10.380	5359	10.380	5421	10.380	5483	10.380
5112	10.380	5174	10.380	5236	10.380	5298	10.380	5360	10.380	5422	10.380	5484	10.380
5113	10.380	5175	10.380	5237	10.380	5299	10.380	5361	10.380	5423	10.380	5485	10.380
5114	10.380	5176	10.380	5238	10.380	5300	10.380	5362	10.380	5424	10.380	5486	10.380
5115	10.380	5177	10.380	5239	10.380	5301	10.380	5363	10.380	5425	10.380	5487	10.380
5116	10.380	5178	10.380	5240	10.380	5302	10.380	5364	10.380	5426	10.380	5488	10.380
5117	10.380	5179	10.380	5241	10.380	5303	10.380	5365	10.380	5427	10.380	5489	10.380
5118	10.380	5180	10.380	5242	10.380	5304	10.380	5366	10.380	5428	10.380	5490	10.380
5119	10.380	5181	10.380	5243	10.380	5305	10.380	5367	10.380	5429	10.380	5491	10.380
5120	10.380	5182	10.380	5244	10.380	5306	10.380	5368	10.380	5430	10.380	5492	10.380
5121	10.380	5183	10.380	5245	10.380	5307	10.380	5369	10.380	5431	10.380	5493	10.380
5122	10.380	5184	10.380	5246	10.380	5308	10.380	5370	10.380	5432	10.380	5494	10.380
5123	10.380	5185	10.380	5247	10.380	5309	10.380	5371	10.380	5433	10.380	5495	10.380
5124	10.380	5186	10.380	5248	10.380	5310	10.380	5372	10.380	5434	10.380	5496	10.380
5125	10.380	5187	10.380	5249	10.380	5311	10.380	5373	10.380	5435	10.380	5497	10.380
5126	10.380	5188	10.380	5250	10.380	5312	10.380	5374	10.380	5436	10.380	5498	10.380
5127	10.380	5189	10.380	5251	10.380	5313	10.380	5375	10.380	5437	10.380	5499	10.380
5128	10.380	5190	10.380	5252	10.380	5314	10.380	5376	10.380	5438	10.380	5500	10.380
5129	10.380	5191	10.380	5253	10.380	5315	10.380	5377	10.380	5439	10.380	5501	10.380
5130	10.380	5192	10.380	5254	10.380	5316	10.380	5378	10.380	5440	10.380	5502	10.380
5131	10.380	5193	10.380	5255	10.380	5317	10.380	5379	10.380	5441	10.380	5503	10.380
5132	10.380	5194	10.380	5256	10.380	5318	10.380	5380	10.380	5442	10.380	5504	10.380
5133	10.380	5195	10.380	5257	10.380	5319	10.380	5381	10.380	5443	10.380	5505	10.380
5134	10.380	5196	10.380	5258	10.380	5320	10.380	5382	10.380	5444	10.380	5506	10.380
5135	10.380	5197	10.380	5259	10.380	5321	10.380	5383	10.380	5445	10.380	5507	10.380
5136	10.380	5198	10.380	5260	10.380	5322	10.380	5384	10.380	5446	10.380	5508	10.380
5137	10.380	5199	10.380	5261	10.380	5323	10.380	5385	10.380	5447	10.380	5509	10.380
5138	10.380	5200	10.380	5262	10.380	5324	10.380	5386	10.380	5448	10.380	5510	10.380
5139	10.380	5201	10.380	5263	10.380	5325	10.380	5387	10.380	5449	10.380	5511	10.380
5140	10.380	5202	10.380	5264	10.380	5326	10.380	5388	10.380	5450	10.380	5512	10.380
5141	10.380	5203	10.380	5265	10.380	5327	10.380	5389	10.380	5451	10.380	5513	10.380
5142	10.380	5204	10.380	5266	10.380	5328	10.380	5390	10.380	5452	10.380	5514	10.380
5143	10.380	5205	10.380	5267	10.380	5329	10.380	5391	10.380	5453	10.380	5515	10.380
5144	10.380	5206	10.380	5268	10.380	5330	10.380	5392	10.380	5454	10.380	5516	10.380
5145	10.380	5207	10.380	5269	10.380	5331	10.380	5393	10.380	5455	10.380	5517	10.380
5146	10.380	5208	10.380	5270	10.380	5332	10.380	5394	10.380	5456	10.380	5518	10.380
5147	10.380	5209	10.380	5271	10.380	5333	10.380	5395	10.380	5457	10.380	5519	10.380
5148	10.380	5210	10.380	5272	10.380	5334	10.380	5396	10.380	5458	10.380	5520	10.380
5149	10.380	5211	10.380	5273	10.380	5335	10.380	5397	10.380	5459	10.380	5521	10.380
5150	10.380	5212	10.380	5274	10.380	5336	10.380	5398	10.380	5460	10.380	5522	10.380
5151	10.380	5213	10.380	5275	10.380	5337	10.380	5399	10.380	5461	10.380	5523	10.380
5152	10.380	5214	10.380	5276	10.380	5338	10.380	5400	10.380	5462	10.380	5524	10.380
5153	10.380	5215	10.380	5277	10.380	5339	10.380	5401	10.380	5463	10.380	5525	10.380
5154	10.380	5216	10.380	5278	10.380	5340	10.380	5402	10.380	5464	10.380	5526	10.380
5155	10.380	5217	10.380	5279	10.380	5341	10.380	5403	10.380	5465	10.380	5527	10.380
5156	10.380	5218	10.380	5280	10.380	5342	10.380	5404	10.380	5466	10.380	5528	10.380
5157	10.380	5219	10.380	5281	10.380	5343	10.380	5405	10.380	5467	10.380	5529	10.380
5158	10.380	5220	10.380	5282	10.380	5344	10.380	5406	10.380	5468	10.380	5530	10.380

Sizewell Link Road  
 DCO Design Review  
 Swale Discharge to Watercourse



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 File SLR-AB-30 C.MDX

Designed by Daniel James  
 Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5593	10.380	5655	10.380	5717	10.380	5779	10.380	5841	10.380	5903	10.380	5965	10.380
5594	10.380	5656	10.380	5718	10.380	5780	10.380	5842	10.380	5904	10.380	5966	10.380
5595	10.380	5657	10.380	5719	10.380	5781	10.380	5843	10.380	5905	10.380	5967	10.380
5596	10.380	5658	10.380	5720	10.380	5782	10.380	5844	10.380	5906	10.380	5968	10.380
5597	10.380	5659	10.380	5721	10.380	5783	10.380	5845	10.380	5907	10.380	5969	10.380
5598	10.380	5660	10.380	5722	10.380	5784	10.380	5846	10.380	5908	10.380	5970	10.380
5599	10.380	5661	10.380	5723	10.380	5785	10.380	5847	10.380	5909	10.380	5971	10.380
5600	10.380	5662	10.380	5724	10.380	5786	10.380	5848	10.380	5910	10.380	5972	10.380
5601	10.380	5663	10.380	5725	10.380	5787	10.380	5849	10.380	5911	10.380	5973	10.380
5602	10.380	5664	10.380	5726	10.380	5788	10.380	5850	10.380	5912	10.380	5974	10.380
5603	10.380	5665	10.380	5727	10.380	5789	10.380	5851	10.380	5913	10.380	5975	10.380
5604	10.380	5666	10.380	5728	10.380	5790	10.380	5852	10.380	5914	10.380	5976	10.380
5605	10.380	5667	10.380	5729	10.380	5791	10.380	5853	10.380	5915	10.380	5977	10.380
5606	10.380	5668	10.380	5730	10.380	5792	10.380	5854	10.380	5916	10.380	5978	10.380
5607	10.380	5669	10.380	5731	10.380	5793	10.380	5855	10.380	5917	10.380	5979	10.380
5608	10.380	5670	10.380	5732	10.380	5794	10.380	5856	10.380	5918	10.380	5980	10.380
5609	10.380	5671	10.380	5733	10.380	5795	10.380	5857	10.380	5919	10.380	5981	10.380
5610	10.380	5672	10.380	5734	10.380	5796	10.380	5858	10.380	5920	10.380	5982	10.380
5611	10.380	5673	10.380	5735	10.380	5797	10.380	5859	10.380	5921	10.380	5983	10.380
5612	10.380	5674	10.380	5736	10.380	5798	10.380	5860	10.380	5922	10.380	5984	10.380
5613	10.380	5675	10.380	5737	10.380	5799	10.380	5861	10.380	5923	10.380	5985	10.380
5614	10.380	5676	10.380	5738	10.380	5800	10.380	5862	10.380	5924	10.380	5986	10.380
5615	10.380	5677	10.380	5739	10.380	5801	10.380	5863	10.380	5925	10.380	5987	10.380
5616	10.380	5678	10.380	5740	10.380	5802	10.380	5864	10.380	5926	10.380	5988	10.380
5617	10.380	5679	10.380	5741	10.380	5803	10.380	5865	10.380	5927	10.380	5989	10.380
5618	10.380	5680	10.380	5742	10.380	5804	10.380	5866	10.380	5928	10.380	5990	10.380
5619	10.380	5681	10.380	5743	10.380	5805	10.380	5867	10.380	5929	10.380	5991	10.380
5620	10.380	5682	10.380	5744	10.380	5806	10.380	5868	10.380	5930	10.380	5992	10.380
5621	10.380	5683	10.380	5745	10.380	5807	10.380	5869	10.380	5931	10.380	5993	10.380
5622	10.380	5684	10.380	5746	10.380	5808	10.380	5870	10.380	5932	10.380	5994	10.380
5623	10.380	5685	10.380	5747	10.380	5809	10.380	5871	10.380	5933	10.380	5995	10.380
5624	10.380	5686	10.380	5748	10.380	5810	10.380	5872	10.380	5934	10.380	5996	10.380
5625	10.380	5687	10.380	5749	10.380	5811	10.380	5873	10.380	5935	10.380	5997	10.380
5626	10.380	5688	10.380	5750	10.380	5812	10.380	5874	10.380	5936	10.380	5998	10.380
5627	10.380	5689	10.380	5751	10.380	5813	10.380	5875	10.380	5937	10.380	5999	10.380
5628	10.380	5690	10.380	5752	10.380	5814	10.380	5876	10.380	5938	10.380	6000	10.380
5629	10.380	5691	10.380	5753	10.380	5815	10.380	5877	10.380	5939	10.380	6001	10.380
5630	10.380	5692	10.380	5754	10.380	5816	10.380	5878	10.380	5940	10.380	6002	10.380
5631	10.380	5693	10.380	5755	10.380	5817	10.380	5879	10.380	5941	10.380	6003	10.380
5632	10.380	5694	10.380	5756	10.380	5818	10.380	5880	10.380	5942	10.380	6004	10.380
5633	10.380	5695	10.380	5757	10.380	5819	10.380	5881	10.380	5943	10.380	6005	10.380
5634	10.380	5696	10.380	5758	10.380	5820	10.380	5882	10.380	5944	10.380	6006	10.380
5635	10.380	5697	10.380	5759	10.380	5821	10.380	5883	10.380	5945	10.380	6007	10.380
5636	10.380	5698	10.380	5760	10.380	5822	10.380	5884	10.380	5946	10.380	6008	10.380
5637	10.380	5699	10.380	5761	10.380	5823	10.380	5885	10.380	5947	10.380	6009	10.380
5638	10.380	5700	10.380	5762	10.380	5824	10.380	5886	10.380	5948	10.380	6010	10.380
5639	10.380	5701	10.380	5763	10.380	5825	10.380	5887	10.380	5949	10.380	6011	10.380
5640	10.380	5702	10.380	5764	10.380	5826	10.380	5888	10.380	5950	10.380	6012	10.380
5641	10.380	5703	10.380	5765	10.380	5827	10.380	5889	10.380	5951	10.380	6013	10.380
5642	10.380	5704	10.380	5766	10.380	5828	10.380	5890	10.380	5952	10.380	6014	10.380
5643	10.380	5705	10.380	5767	10.380	5829	10.380	5891	10.380	5953	10.380	6015	10.380
5644	10.380	5706	10.380	5768	10.380	5830	10.380	5892	10.380	5954	10.380	6016	10.380
5645	10.380	5707	10.380	5769	10.380	5831	10.380	5893	10.380	5955	10.380	6017	10.380
5646	10.380	5708	10.380	5770	10.380	5832	10.380	5894	10.380	5956	10.380	6018	10.380
5647	10.380	5709	10.380	5771	10.380	5833	10.380	5895	10.380	5957	10.380	6019	10.380
5648	10.380	5710	10.380	5772	10.380	5834	10.380	5896	10.380	5958	10.380	6020	10.380
5649	10.380	5711	10.380	5773	10.380	5835	10.380	5897	10.380	5959	10.380	6021	10.380
5650	10.380	5712	10.380	5774	10.380	5836	10.380	5898	10.380	5960	10.380	6022	10.380
5651	10.380	5713	10.380	5775	10.380	5837	10.380	5899	10.380	5961	10.380	6023	10.380
5652	10.380	5714	10.380	5776	10.380	5838	10.380	5900	10.380	5962	10.380	6024	10.380
5653	10.380	5715	10.380	5777	10.380	5839	10.380	5901	10.380	5963	10.380	6025	10.380
5654	10.380	5716	10.380	5778	10.380	5840	10.380	5902	10.380	5964	10.380	6026	10.380

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
6089	10.380	6151	10.380	6213	10.380	6275	10.380	6337	10.380	6399	10.380	6461	10.380
6090	10.380	6152	10.380	6214	10.380	6276	10.380	6338	10.380	6400	10.380	6462	10.380
6091	10.380	6153	10.380	6215	10.380	6277	10.380	6339	10.380	6401	10.380	6463	10.380
6092	10.380	6154	10.380	6216	10.380	6278	10.380	6340	10.380	6402	10.380	6464	10.380
6093	10.380	6155	10.380	6217	10.380	6279	10.380	6341	10.380	6403	10.380	6465	10.380
6094	10.380	6156	10.380	6218	10.380	6280	10.380	6342	10.380	6404	10.380	6466	10.380
6095	10.380	6157	10.380	6219	10.380	6281	10.380	6343	10.380	6405	10.380	6467	10.380
6096	10.380	6158	10.380	6220	10.380	6282	10.380	6344	10.380	6406	10.380	6468	10.380
6097	10.380	6159	10.380	6221	10.380	6283	10.380	6345	10.380	6407	10.380	6469	10.380
6098	10.380	6160	10.380	6222	10.380	6284	10.380	6346	10.380	6408	10.380	6470	10.380
6099	10.380	6161	10.380	6223	10.380	6285	10.380	6347	10.380	6409	10.380	6471	10.380
6100	10.380	6162	10.380	6224	10.380	6286	10.380	6348	10.380	6410	10.380	6472	10.380
6101	10.380	6163	10.380	6225	10.380	6287	10.380	6349	10.380	6411	10.380	6473	10.380
6102	10.380	6164	10.380	6226	10.380	6288	10.380	6350	10.380	6412	10.380	6474	10.380
6103	10.380	6165	10.380	6227	10.380	6289	10.380	6351	10.380	6413	10.380	6475	10.380
6104	10.380	6166	10.380	6228	10.380	6290	10.380	6352	10.380	6414	10.380	6476	10.380
6105	10.380	6167	10.380	6229	10.380	6291	10.380	6353	10.380	6415	10.380	6477	10.380
6106	10.380	6168	10.380	6230	10.380	6292	10.380	6354	10.380	6416	10.380	6478	10.380
6107	10.380	6169	10.380	6231	10.380	6293	10.380	6355	10.380	6417	10.380	6479	10.380
6108	10.380	6170	10.380	6232	10.380	6294	10.380	6356	10.380	6418	10.380	6480	10.380
6109	10.380	6171	10.380	6233	10.380	6295	10.380	6357	10.380	6419	10.380	6481	10.380
6110	10.380	6172	10.380	6234	10.380	6296	10.380	6358	10.380	6420	10.380	6482	10.380
6111	10.380	6173	10.380	6235	10.380	6297	10.380	6359	10.380	6421	10.380	6483	10.380
6112	10.380	6174	10.380	6236	10.380	6298	10.380	6360	10.380	6422	10.380	6484	10.380
6113	10.380	6175	10.380	6237	10.380	6299	10.380	6361	10.380	6423	10.380	6485	10.380
6114	10.380	6176	10.380	6238	10.380	6300	10.380	6362	10.380	6424	10.380	6486	10.380
6115	10.380	6177	10.380	6239	10.380	6301	10.380	6363	10.380	6425	10.380	6487	10.380
6116	10.380	6178	10.380	6240	10.380	6302	10.380	6364	10.380	6426	10.380	6488	10.380
6117	10.380	6179	10.380	6241	10.380	6303	10.380	6365	10.380	6427	10.380	6489	10.380
6118	10.380	6180	10.380	6242	10.380	6304	10.380	6366	10.380	6428	10.380	6490	10.380
6119	10.380	6181	10.380	6243	10.380	6305	10.380	6367	10.380	6429	10.380	6491	10.380
6120	10.380	6182	10.380	6244	10.380	6306	10.380	6368	10.380	6430	10.380	6492	10.380
6121	10.380	6183	10.380	6245	10.380	6307	10.380	6369	10.380	6431	10.380	6493	10.380
6122	10.380	6184	10.380	6246	10.380	6308	10.380	6370	10.380	6432	10.380	6494	10.380
6123	10.380	6185	10.380	6247	10.380	6309	10.380	6371	10.380	6433	10.380	6495	10.380
6124	10.380	6186	10.380	6248	10.380	6310	10.380	6372	10.380	6434	10.380	6496	10.380
6125	10.380	6187	10.380	6249	10.380	6311	10.380	6373	10.380	6435	10.380	6497	10.380
6126	10.380	6188	10.380	6250	10.380	6312	10.380	6374	10.380	6436	10.380	6498	10.380
6127	10.380	6189	10.380	6251	10.380	6313	10.380	6375	10.380	6437	10.380	6499	10.380
6128	10.380	6190	10.380	6252	10.380	6314	10.380	6376	10.380	6438	10.380	6500	10.380
6129	10.380	6191	10.380	6253	10.380	6315	10.380	6377	10.380	6439	10.380	6501	10.380
6130	10.380	6192	10.380	6254	10.380	6316	10.380	6378	10.380	6440	10.380	6502	10.380
6131	10.380	6193	10.380	6255	10.380	6317	10.380	6379	10.380	6441	10.380	6503	10.380
6132	10.380	6194	10.380	6256	10.380	6318	10.380	6380	10.380	6442	10.380	6504	10.380
6133	10.380	6195	10.380	6257	10.380	6319	10.380	6381	10.380	6443	10.380	6505	10.380
6134	10.380	6196	10.380	6258	10.380	6320	10.380	6382	10.380	6444	10.380	6506	10.380
6135	10.380	6197	10.380	6259	10.380	6321	10.380	6383	10.380	6445	10.380	6507	10.380
6136	10.380	6198	10.380	6260	10.380	6322	10.380	6384	10.380	6446	10.380	6508	10.380
6137	10.380	6199	10.380	6261	10.380	6323	10.380	6385	10.380	6447	10.380	6509	10.380
6138	10.380	6200	10.380	6262	10.380	6324	10.380	6386	10.380	6448	10.380	6510	10.380
6139	10.380	6201	10.380	6263	10.380	6325	10.380	6387	10.380	6449	10.380	6511	10.380
6140	10.380	6202	10.380	6264	10.380	6326	10.380	6388	10.380	6450	10.380	6512	10.380
6141	10.380	6203	10.380	6265	10.380	6327	10.380	6389	10.380	6451	10.380	6513	10.380
6142	10.380	6204	10.380	6266	10.380	6328	10.380	6390	10.380	6452	10.380	6514	10.380
6143	10.380	6205	10.380	6267	10.380	6329	10.380	6391	10.380	6453	10.380	6515	10.380
6144	10.380	6206	10.380	6268	10.380	6330	10.380	6392	10.380	6454	10.380	6516	10.380
6145	10.380	6207	10.380	6269	10.380	6331	10.380	6393	10.380	6455	10.380	6517	10.380
6146	10.380	6208	10.380	6270	10.380	6332	10.380	6394	10.380	6456	10.380	6518	10.380
6147	10.380	6209	10.380	6271	10.380	6333	10.380	6395	10.380	6457	10.380	6519	10.380
6148	10.380	6210	10.380	6272	10.380	6334	10.380	6396	10.380	6458	10.380	6520	10.380
6149	10.380	6211	10.380	6273	10.380	6335	10.380	6397	10.380	6459	10.380	6521	10.380
6150	10.380	6212	10.380	6274	10.380	6336	10.380	6398	10.380	6460	10.380	6522	10.380





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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7081	10.380	7143	10.380	7205	10.380	7267	10.380	7329	10.380	7391	10.380	7453	10.380
7082	10.380	7144	10.380	7206	10.380	7268	10.380	7330	10.380	7392	10.380	7454	10.380
7083	10.380	7145	10.380	7207	10.380	7269	10.380	7331	10.380	7393	10.380	7455	10.380
7084	10.380	7146	10.380	7208	10.380	7270	10.380	7332	10.380	7394	10.380	7456	10.380
7085	10.380	7147	10.380	7209	10.380	7271	10.380	7333	10.380	7395	10.380	7457	10.380
7086	10.380	7148	10.380	7210	10.380	7272	10.380	7334	10.380	7396	10.380	7458	10.380
7087	10.380	7149	10.380	7211	10.380	7273	10.380	7335	10.380	7397	10.380	7459	10.380
7088	10.380	7150	10.380	7212	10.380	7274	10.380	7336	10.380	7398	10.380	7460	10.380
7089	10.380	7151	10.380	7213	10.380	7275	10.380	7337	10.380	7399	10.380	7461	10.380
7090	10.380	7152	10.380	7214	10.380	7276	10.380	7338	10.380	7400	10.380	7462	10.380
7091	10.380	7153	10.380	7215	10.380	7277	10.380	7339	10.380	7401	10.380	7463	10.380
7092	10.380	7154	10.380	7216	10.380	7278	10.380	7340	10.380	7402	10.380	7464	10.380
7093	10.380	7155	10.380	7217	10.380	7279	10.380	7341	10.380	7403	10.380	7465	10.380
7094	10.380	7156	10.380	7218	10.380	7280	10.380	7342	10.380	7404	10.380	7466	10.380
7095	10.380	7157	10.380	7219	10.380	7281	10.380	7343	10.380	7405	10.380	7467	10.380
7096	10.380	7158	10.380	7220	10.380	7282	10.380	7344	10.380	7406	10.380	7468	10.380
7097	10.380	7159	10.380	7221	10.380	7283	10.380	7345	10.380	7407	10.380	7469	10.380
7098	10.380	7160	10.380	7222	10.380	7284	10.380	7346	10.380	7408	10.380	7470	10.380
7099	10.380	7161	10.380	7223	10.380	7285	10.380	7347	10.380	7409	10.380	7471	10.380
7100	10.380	7162	10.380	7224	10.380	7286	10.380	7348	10.380	7410	10.380	7472	10.380
7101	10.380	7163	10.380	7225	10.380	7287	10.380	7349	10.380	7411	10.380	7473	10.380
7102	10.380	7164	10.380	7226	10.380	7288	10.380	7350	10.380	7412	10.380	7474	10.380
7103	10.380	7165	10.380	7227	10.380	7289	10.380	7351	10.380	7413	10.380	7475	10.380
7104	10.380	7166	10.380	7228	10.380	7290	10.380	7352	10.380	7414	10.380	7476	10.380
7105	10.380	7167	10.380	7229	10.380	7291	10.380	7353	10.380	7415	10.380	7477	10.380
7106	10.380	7168	10.380	7230	10.380	7292	10.380	7354	10.380	7416	10.380	7478	10.380
7107	10.380	7169	10.380	7231	10.380	7293	10.380	7355	10.380	7417	10.380	7479	10.380
7108	10.380	7170	10.380	7232	10.380	7294	10.380	7356	10.380	7418	10.380	7480	10.380
7109	10.380	7171	10.380	7233	10.380	7295	10.380	7357	10.380	7419	10.380	7481	10.380
7110	10.380	7172	10.380	7234	10.380	7296	10.380	7358	10.380	7420	10.380	7482	10.380
7111	10.380	7173	10.380	7235	10.380	7297	10.380	7359	10.380	7421	10.380	7483	10.380
7112	10.380	7174	10.380	7236	10.380	7298	10.380	7360	10.380	7422	10.380	7484	10.380
7113	10.380	7175	10.380	7237	10.380	7299	10.380	7361	10.380	7423	10.380	7485	10.380
7114	10.380	7176	10.380	7238	10.380	7300	10.380	7362	10.380	7424	10.380	7486	10.380
7115	10.380	7177	10.380	7239	10.380	7301	10.380	7363	10.380	7425	10.380	7487	10.380
7116	10.380	7178	10.380	7240	10.380	7302	10.380	7364	10.380	7426	10.380	7488	10.380
7117	10.380	7179	10.380	7241	10.380	7303	10.380	7365	10.380	7427	10.380	7489	10.380
7118	10.380	7180	10.380	7242	10.380	7304	10.380	7366	10.380	7428	10.380	7490	10.380
7119	10.380	7181	10.380	7243	10.380	7305	10.380	7367	10.380	7429	10.380	7491	10.380
7120	10.380	7182	10.380	7244	10.380	7306	10.380	7368	10.380	7430	10.380	7492	10.380
7121	10.380	7183	10.380	7245	10.380	7307	10.380	7369	10.380	7431	10.380	7493	10.380
7122	10.380	7184	10.380	7246	10.380	7308	10.380	7370	10.380	7432	10.380	7494	10.380
7123	10.380	7185	10.380	7247	10.380	7309	10.380	7371	10.380	7433	10.380	7495	10.380
7124	10.380	7186	10.380	7248	10.380	7310	10.380	7372	10.380	7434	10.380	7496	10.380
7125	10.380	7187	10.380	7249	10.380	7311	10.380	7373	10.380	7435	10.380	7497	10.380
7126	10.380	7188	10.380	7250	10.380	7312	10.380	7374	10.380	7436	10.380	7498	10.380
7127	10.380	7189	10.380	7251	10.380	7313	10.380	7375	10.380	7437	10.380	7499	10.380
7128	10.380	7190	10.380	7252	10.380	7314	10.380	7376	10.380	7438	10.380	7500	10.380
7129	10.380	7191	10.380	7253	10.380	7315	10.380	7377	10.380	7439	10.380	7501	10.380
7130	10.380	7192	10.380	7254	10.380	7316	10.380	7378	10.380	7440	10.380	7502	10.380
7131	10.380	7193	10.380	7255	10.380	7317	10.380	7379	10.380	7441	10.380	7503	10.380
7132	10.380	7194	10.380	7256	10.380	7318	10.380	7380	10.380	7442	10.380	7504	10.380
7133	10.380	7195	10.380	7257	10.380	7319	10.380	7381	10.380	7443	10.380	7505	10.380
7134	10.380	7196	10.380	7258	10.380	7320	10.380	7382	10.380	7444	10.380	7506	10.380
7135	10.380	7197	10.380	7259	10.380	7321	10.380	7383	10.380	7445	10.380	7507	10.380
7136	10.380	7198	10.380	7260	10.380	7322	10.380	7384	10.380	7446	10.380	7508	10.380
7137	10.380	7199	10.380	7261	10.380	7323	10.380	7385	10.380	7447	10.380	7509	10.380
7138	10.380	7200	10.380	7262	10.380	7324	10.380	7386	10.380	7448	10.380	7510	10.380
7139	10.380	7201	10.380	7263	10.380	7325	10.380	7387	10.380	7449	10.380	7511	10.380
7140	10.380	7202	10.380	7264	10.380	7326	10.380	7388	10.380	7450	10.380	7512	10.380
7141	10.380	7203	10.380	7265	10.380	7327	10.380	7389	10.380	7451	10.380	7513	10.380
7142	10.380	7204	10.380	7266	10.380	7328	10.380	7390	10.380	7452	10.380	7514	10.380



Sizewell Link Road  
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 Swale Discharge to Watercourse



Date 05/10/2021  
 File SLR-AB-30 C.MDX

Designed by Daniel James  
 Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
7577	10.380	7639	10.380	7701	10.380	7763	10.380	7825	10.380	7887	10.380	7949	10.380
7578	10.380	7640	10.380	7702	10.380	7764	10.380	7826	10.380	7888	10.380	7950	10.380
7579	10.380	7641	10.380	7703	10.380	7765	10.380	7827	10.380	7889	10.380	7951	10.380
7580	10.380	7642	10.380	7704	10.380	7766	10.380	7828	10.380	7890	10.380	7952	10.380
7581	10.380	7643	10.380	7705	10.380	7767	10.380	7829	10.380	7891	10.380	7953	10.380
7582	10.380	7644	10.380	7706	10.380	7768	10.380	7830	10.380	7892	10.380	7954	10.380
7583	10.380	7645	10.380	7707	10.380	7769	10.380	7831	10.380	7893	10.380	7955	10.380
7584	10.380	7646	10.380	7708	10.380	7770	10.380	7832	10.380	7894	10.380	7956	10.380
7585	10.380	7647	10.380	7709	10.380	7771	10.380	7833	10.380	7895	10.380	7957	10.380
7586	10.380	7648	10.380	7710	10.380	7772	10.380	7834	10.380	7896	10.380	7958	10.380
7587	10.380	7649	10.380	7711	10.380	7773	10.380	7835	10.380	7897	10.380	7959	10.380
7588	10.380	7650	10.380	7712	10.380	7774	10.380	7836	10.380	7898	10.380	7960	10.380
7589	10.380	7651	10.380	7713	10.380	7775	10.380	7837	10.380	7899	10.380	7961	10.380
7590	10.380	7652	10.380	7714	10.380	7776	10.380	7838	10.380	7900	10.380	7962	10.380
7591	10.380	7653	10.380	7715	10.380	7777	10.380	7839	10.380	7901	10.380	7963	10.380
7592	10.380	7654	10.380	7716	10.380	7778	10.380	7840	10.380	7902	10.380	7964	10.380
7593	10.380	7655	10.380	7717	10.380	7779	10.380	7841	10.380	7903	10.380	7965	10.380
7594	10.380	7656	10.380	7718	10.380	7780	10.380	7842	10.380	7904	10.380	7966	10.380
7595	10.380	7657	10.380	7719	10.380	7781	10.380	7843	10.380	7905	10.380	7967	10.380
7596	10.380	7658	10.380	7720	10.380	7782	10.380	7844	10.380	7906	10.380	7968	10.380
7597	10.380	7659	10.380	7721	10.380	7783	10.380	7845	10.380	7907	10.380	7969	10.380
7598	10.380	7660	10.380	7722	10.380	7784	10.380	7846	10.380	7908	10.380	7970	10.380
7599	10.380	7661	10.380	7723	10.380	7785	10.380	7847	10.380	7909	10.380	7971	10.380
7600	10.380	7662	10.380	7724	10.380	7786	10.380	7848	10.380	7910	10.380	7972	10.380
7601	10.380	7663	10.380	7725	10.380	7787	10.380	7849	10.380	7911	10.380	7973	10.380
7602	10.380	7664	10.380	7726	10.380	7788	10.380	7850	10.380	7912	10.380	7974	10.380
7603	10.380	7665	10.380	7727	10.380	7789	10.380	7851	10.380	7913	10.380	7975	10.380
7604	10.380	7666	10.380	7728	10.380	7790	10.380	7852	10.380	7914	10.380	7976	10.380
7605	10.380	7667	10.380	7729	10.380	7791	10.380	7853	10.380	7915	10.380	7977	10.380
7606	10.380	7668	10.380	7730	10.380	7792	10.380	7854	10.380	7916	10.380	7978	10.380
7607	10.380	7669	10.380	7731	10.380	7793	10.380	7855	10.380	7917	10.380	7979	10.380
7608	10.380	7670	10.380	7732	10.380	7794	10.380	7856	10.380	7918	10.380	7980	10.380
7609	10.380	7671	10.380	7733	10.380	7795	10.380	7857	10.380	7919	10.380	7981	10.380
7610	10.380	7672	10.380	7734	10.380	7796	10.380	7858	10.380	7920	10.380	7982	10.380
7611	10.380	7673	10.380	7735	10.380	7797	10.380	7859	10.380	7921	10.380	7983	10.380
7612	10.380	7674	10.380	7736	10.380	7798	10.380	7860	10.380	7922	10.380	7984	10.380
7613	10.380	7675	10.380	7737	10.380	7799	10.380	7861	10.380	7923	10.380	7985	10.380
7614	10.380	7676	10.380	7738	10.380	7800	10.380	7862	10.380	7924	10.380	7986	10.380
7615	10.380	7677	10.380	7739	10.380	7801	10.380	7863	10.380	7925	10.380	7987	10.380
7616	10.380	7678	10.380	7740	10.380	7802	10.380	7864	10.380	7926	10.380	7988	10.380
7617	10.380	7679	10.380	7741	10.380	7803	10.380	7865	10.380	7927	10.380	7989	10.380
7618	10.380	7680	10.380	7742	10.380	7804	10.380	7866	10.380	7928	10.380	7990	10.380
7619	10.380	7681	10.380	7743	10.380	7805	10.380	7867	10.380	7929	10.380	7991	10.380
7620	10.380	7682	10.380	7744	10.380	7806	10.380	7868	10.380	7930	10.380	7992	10.380
7621	10.380	7683	10.380	7745	10.380	7807	10.380	7869	10.380	7931	10.380	7993	10.380
7622	10.380	7684	10.380	7746	10.380	7808	10.380	7870	10.380	7932	10.380	7994	10.380
7623	10.380	7685	10.380	7747	10.380	7809	10.380	7871	10.380	7933	10.380	7995	10.380
7624	10.380	7686	10.380	7748	10.380	7810	10.380	7872	10.380	7934	10.380	7996	10.380
7625	10.380	7687	10.380	7749	10.380	7811	10.380	7873	10.380	7935	10.380	7997	10.380
7626	10.380	7688	10.380	7750	10.380	7812	10.380	7874	10.380	7936	10.380	7998	10.380
7627	10.380	7689	10.380	7751	10.380	7813	10.380	7875	10.380	7937	10.380	7999	10.380
7628	10.380	7690	10.380	7752	10.380	7814	10.380	7876	10.380	7938	10.380	8000	10.380
7629	10.380	7691	10.380	7753	10.380	7815	10.380	7877	10.380	7939	10.380	8001	10.380
7630	10.380	7692	10.380	7754	10.380	7816	10.380	7878	10.380	7940	10.380	8002	10.380
7631	10.380	7693	10.380	7755	10.380	7817	10.380	7879	10.380	7941	10.380	8003	10.380
7632	10.380	7694	10.380	7756	10.380	7818	10.380	7880	10.380	7942	10.380	8004	10.380
7633	10.380	7695	10.380	7757	10.380	7819	10.380	7881	10.380	7943	10.380	8005	10.380
7634	10.380	7696	10.380	7758	10.380	7820	10.380	7882	10.380	7944	10.380	8006	10.380
7635	10.380	7697	10.380	7759	10.380	7821	10.380	7883	10.380	7945	10.380	8007	10.380
7636	10.380	7698	10.380	7760	10.380	7822	10.380	7884	10.380	7946	10.380	8008	10.380
7637	10.380	7699	10.380	7761	10.380	7823	10.380	7885	10.380	7947	10.380	8009	10.380
7638	10.380	7700	10.380	7762	10.380	7824	10.380	7886	10.380	7948	10.380	8010	10.380

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XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8073	10.380	8135	10.380	8197	10.380	8259	10.380	8321	10.380	8383	10.380	8445	10.380
8074	10.380	8136	10.380	8198	10.380	8260	10.380	8322	10.380	8384	10.380	8446	10.380
8075	10.380	8137	10.380	8199	10.380	8261	10.380	8323	10.380	8385	10.380	8447	10.380
8076	10.380	8138	10.380	8200	10.380	8262	10.380	8324	10.380	8386	10.380	8448	10.380
8077	10.380	8139	10.380	8201	10.380	8263	10.380	8325	10.380	8387	10.380	8449	10.380
8078	10.380	8140	10.380	8202	10.380	8264	10.380	8326	10.380	8388	10.380	8450	10.380
8079	10.380	8141	10.380	8203	10.380	8265	10.380	8327	10.380	8389	10.380	8451	10.380
8080	10.380	8142	10.380	8204	10.380	8266	10.380	8328	10.380	8390	10.380	8452	10.380
8081	10.380	8143	10.380	8205	10.380	8267	10.380	8329	10.380	8391	10.380	8453	10.380
8082	10.380	8144	10.380	8206	10.380	8268	10.380	8330	10.380	8392	10.380	8454	10.380
8083	10.380	8145	10.380	8207	10.380	8269	10.380	8331	10.380	8393	10.380	8455	10.380
8084	10.380	8146	10.380	8208	10.380	8270	10.380	8332	10.380	8394	10.380	8456	10.380
8085	10.380	8147	10.380	8209	10.380	8271	10.380	8333	10.380	8395	10.380	8457	10.380
8086	10.380	8148	10.380	8210	10.380	8272	10.380	8334	10.380	8396	10.380	8458	10.380
8087	10.380	8149	10.380	8211	10.380	8273	10.380	8335	10.380	8397	10.380	8459	10.380
8088	10.380	8150	10.380	8212	10.380	8274	10.380	8336	10.380	8398	10.380	8460	10.380
8089	10.380	8151	10.380	8213	10.380	8275	10.380	8337	10.380	8399	10.380	8461	10.380
8090	10.380	8152	10.380	8214	10.380	8276	10.380	8338	10.380	8400	10.380	8462	10.380
8091	10.380	8153	10.380	8215	10.380	8277	10.380	8339	10.380	8401	10.380	8463	10.380
8092	10.380	8154	10.380	8216	10.380	8278	10.380	8340	10.380	8402	10.380	8464	10.380
8093	10.380	8155	10.380	8217	10.380	8279	10.380	8341	10.380	8403	10.380	8465	10.380
8094	10.380	8156	10.380	8218	10.380	8280	10.380	8342	10.380	8404	10.380	8466	10.380
8095	10.380	8157	10.380	8219	10.380	8281	10.380	8343	10.380	8405	10.380	8467	10.380
8096	10.380	8158	10.380	8220	10.380	8282	10.380	8344	10.380	8406	10.380	8468	10.380
8097	10.380	8159	10.380	8221	10.380	8283	10.380	8345	10.380	8407	10.380	8469	10.380
8098	10.380	8160	10.380	8222	10.380	8284	10.380	8346	10.380	8408	10.380	8470	10.380
8099	10.380	8161	10.380	8223	10.380	8285	10.380	8347	10.380	8409	10.380	8471	10.380
8100	10.380	8162	10.380	8224	10.380	8286	10.380	8348	10.380	8410	10.380	8472	10.380
8101	10.380	8163	10.380	8225	10.380	8287	10.380	8349	10.380	8411	10.380	8473	10.380
8102	10.380	8164	10.380	8226	10.380	8288	10.380	8350	10.380	8412	10.380	8474	10.380
8103	10.380	8165	10.380	8227	10.380	8289	10.380	8351	10.380	8413	10.380	8475	10.380
8104	10.380	8166	10.380	8228	10.380	8290	10.380	8352	10.380	8414	10.380	8476	10.380
8105	10.380	8167	10.380	8229	10.380	8291	10.380	8353	10.380	8415	10.380	8477	10.380
8106	10.380	8168	10.380	8230	10.380	8292	10.380	8354	10.380	8416	10.380	8478	10.380
8107	10.380	8169	10.380	8231	10.380	8293	10.380	8355	10.380	8417	10.380	8479	10.380
8108	10.380	8170	10.380	8232	10.380	8294	10.380	8356	10.380	8418	10.380	8480	10.380
8109	10.380	8171	10.380	8233	10.380	8295	10.380	8357	10.380	8419	10.380	8481	10.380
8110	10.380	8172	10.380	8234	10.380	8296	10.380	8358	10.380	8420	10.380	8482	10.380
8111	10.380	8173	10.380	8235	10.380	8297	10.380	8359	10.380	8421	10.380	8483	10.380
8112	10.380	8174	10.380	8236	10.380	8298	10.380	8360	10.380	8422	10.380	8484	10.380
8113	10.380	8175	10.380	8237	10.380	8299	10.380	8361	10.380	8423	10.380	8485	10.380
8114	10.380	8176	10.380	8238	10.380	8300	10.380	8362	10.380	8424	10.380	8486	10.380
8115	10.380	8177	10.380	8239	10.380	8301	10.380	8363	10.380	8425	10.380	8487	10.380
8116	10.380	8178	10.380	8240	10.380	8302	10.380	8364	10.380	8426	10.380	8488	10.380
8117	10.380	8179	10.380	8241	10.380	8303	10.380	8365	10.380	8427	10.380	8489	10.380
8118	10.380	8180	10.380	8242	10.380	8304	10.380	8366	10.380	8428	10.380	8490	10.380
8119	10.380	8181	10.380	8243	10.380	8305	10.380	8367	10.380	8429	10.380	8491	10.380
8120	10.380	8182	10.380	8244	10.380	8306	10.380	8368	10.380	8430	10.380	8492	10.380
8121	10.380	8183	10.380	8245	10.380	8307	10.380	8369	10.380	8431	10.380	8493	10.380
8122	10.380	8184	10.380	8246	10.380	8308	10.380	8370	10.380	8432	10.380	8494	10.380
8123	10.380	8185	10.380	8247	10.380	8309	10.380	8371	10.380	8433	10.380	8495	10.380
8124	10.380	8186	10.380	8248	10.380	8310	10.380	8372	10.380	8434	10.380	8496	10.380
8125	10.380	8187	10.380	8249	10.380	8311	10.380	8373	10.380	8435	10.380	8497	10.380
8126	10.380	8188	10.380	8250	10.380	8312	10.380	8374	10.380	8436	10.380	8498	10.380
8127	10.380	8189	10.380	8251	10.380	8313	10.380	8375	10.380	8437	10.380	8499	10.380
8128	10.380	8190	10.380	8252	10.380	8314	10.380	8376	10.380	8438	10.380	8500	10.380
8129	10.380	8191	10.380	8253	10.380	8315	10.380	8377	10.380	8439	10.380	8501	10.380
8130	10.380	8192	10.380	8254	10.380	8316	10.380	8378	10.380	8440	10.380	8502	10.380
8131	10.380	8193	10.380	8255	10.380	8317	10.380	8379	10.380	8441	10.380	8503	10.380
8132	10.380	8194	10.380	8256	10.380	8318	10.380	8380	10.380	8442	10.380	8504	10.380
8133	10.380	8195	10.380	8257	10.380	8319	10.380	8381	10.380	8443	10.380	8505	10.380
8134	10.380	8196	10.380	8258	10.380	8320	10.380	8382	10.380	8444	10.380	8506	10.380

Sizewell Link Road  
 DCO Design Review  
 Swale Discharge to Watercourse



Date 05/10/2021

Designed by Daniel James

File SLR-AB-30 C.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8569	10.380	8631	10.380	8693	10.380	8755	10.380	8817	10.380	8879	10.380	8941	10.380
8570	10.380	8632	10.380	8694	10.380	8756	10.380	8818	10.380	8880	10.380	8942	10.380
8571	10.380	8633	10.380	8695	10.380	8757	10.380	8819	10.380	8881	10.380	8943	10.380
8572	10.380	8634	10.380	8696	10.380	8758	10.380	8820	10.380	8882	10.380	8944	10.380
8573	10.380	8635	10.380	8697	10.380	8759	10.380	8821	10.380	8883	10.380	8945	10.380
8574	10.380	8636	10.380	8698	10.380	8760	10.380	8822	10.380	8884	10.380	8946	10.380
8575	10.380	8637	10.380	8699	10.380	8761	10.380	8823	10.380	8885	10.380	8947	10.380
8576	10.380	8638	10.380	8700	10.380	8762	10.380	8824	10.380	8886	10.380	8948	10.380
8577	10.380	8639	10.380	8701	10.380	8763	10.380	8825	10.380	8887	10.380	8949	10.380
8578	10.380	8640	10.380	8702	10.380	8764	10.380	8826	10.380	8888	10.380	8950	10.380
8579	10.380	8641	10.380	8703	10.380	8765	10.380	8827	10.380	8889	10.380	8951	10.380
8580	10.380	8642	10.380	8704	10.380	8766	10.380	8828	10.380	8890	10.380	8952	10.380
8581	10.380	8643	10.380	8705	10.380	8767	10.380	8829	10.380	8891	10.380	8953	10.380
8582	10.380	8644	10.380	8706	10.380	8768	10.380	8830	10.380	8892	10.380	8954	10.380
8583	10.380	8645	10.380	8707	10.380	8769	10.380	8831	10.380	8893	10.380	8955	10.380
8584	10.380	8646	10.380	8708	10.380	8770	10.380	8832	10.380	8894	10.380	8956	10.380
8585	10.380	8647	10.380	8709	10.380	8771	10.380	8833	10.380	8895	10.380	8957	10.380
8586	10.380	8648	10.380	8710	10.380	8772	10.380	8834	10.380	8896	10.380	8958	10.380
8587	10.380	8649	10.380	8711	10.380	8773	10.380	8835	10.380	8897	10.380	8959	10.380
8588	10.380	8650	10.380	8712	10.380	8774	10.380	8836	10.380	8898	10.380	8960	10.380
8589	10.380	8651	10.380	8713	10.380	8775	10.380	8837	10.380	8899	10.380	8961	10.380
8590	10.380	8652	10.380	8714	10.380	8776	10.380	8838	10.380	8900	10.380	8962	10.380
8591	10.380	8653	10.380	8715	10.380	8777	10.380	8839	10.380	8901	10.380	8963	10.380
8592	10.380	8654	10.380	8716	10.380	8778	10.380	8840	10.380	8902	10.380	8964	10.380
8593	10.380	8655	10.380	8717	10.380	8779	10.380	8841	10.380	8903	10.380	8965	10.380
8594	10.380	8656	10.380	8718	10.380	8780	10.380	8842	10.380	8904	10.380	8966	10.380
8595	10.380	8657	10.380	8719	10.380	8781	10.380	8843	10.380	8905	10.380	8967	10.380
8596	10.380	8658	10.380	8720	10.380	8782	10.380	8844	10.380	8906	10.380	8968	10.380
8597	10.380	8659	10.380	8721	10.380	8783	10.380	8845	10.380	8907	10.380	8969	10.380
8598	10.380	8660	10.380	8722	10.380	8784	10.380	8846	10.380	8908	10.380	8970	10.380
8599	10.380	8661	10.380	8723	10.380	8785	10.380	8847	10.380	8909	10.380	8971	10.380
8600	10.380	8662	10.380	8724	10.380	8786	10.380	8848	10.380	8910	10.380	8972	10.380
8601	10.380	8663	10.380	8725	10.380	8787	10.380	8849	10.380	8911	10.380	8973	10.380
8602	10.380	8664	10.380	8726	10.380	8788	10.380	8850	10.380	8912	10.380	8974	10.380
8603	10.380	8665	10.380	8727	10.380	8789	10.380	8851	10.380	8913	10.380	8975	10.380
8604	10.380	8666	10.380	8728	10.380	8790	10.380	8852	10.380	8914	10.380	8976	10.380
8605	10.380	8667	10.380	8729	10.380	8791	10.380	8853	10.380	8915	10.380	8977	10.380
8606	10.380	8668	10.380	8730	10.380	8792	10.380	8854	10.380	8916	10.380	8978	10.380
8607	10.380	8669	10.380	8731	10.380	8793	10.380	8855	10.380	8917	10.380	8979	10.380
8608	10.380	8670	10.380	8732	10.380	8794	10.380	8856	10.380	8918	10.380	8980	10.380
8609	10.380	8671	10.380	8733	10.380	8795	10.380	8857	10.380	8919	10.380	8981	10.380
8610	10.380	8672	10.380	8734	10.380	8796	10.380	8858	10.380	8920	10.380	8982	10.380
8611	10.380	8673	10.380	8735	10.380	8797	10.380	8859	10.380	8921	10.380	8983	10.380
8612	10.380	8674	10.380	8736	10.380	8798	10.380	8860	10.380	8922	10.380	8984	10.380
8613	10.380	8675	10.380	8737	10.380	8799	10.380	8861	10.380	8923	10.380	8985	10.380
8614	10.380	8676	10.380	8738	10.380	8800	10.380	8862	10.380	8924	10.380	8986	10.380
8615	10.380	8677	10.380	8739	10.380	8801	10.380	8863	10.380	8925	10.380	8987	10.380
8616	10.380	8678	10.380	8740	10.380	8802	10.380	8864	10.380	8926	10.380	8988	10.380
8617	10.380	8679	10.380	8741	10.380	8803	10.380	8865	10.380	8927	10.380	8989	10.380
8618	10.380	8680	10.380	8742	10.380	8804	10.380	8866	10.380	8928	10.380	8990	10.380
8619	10.380	8681	10.380	8743	10.380	8805	10.380	8867	10.380	8929	10.380	8991	10.380
8620	10.380	8682	10.380	8744	10.380	8806	10.380	8868	10.380	8930	10.380	8992	10.380
8621	10.380	8683	10.380	8745	10.380	8807	10.380	8869	10.380	8931	10.380	8993	10.380
8622	10.380	8684	10.380	8746	10.380	8808	10.380	8870	10.380	8932	10.380	8994	10.380
8623	10.380	8685	10.380	8747	10.380	8809	10.380	8871	10.380	8933	10.380	8995	10.380
8624	10.380	8686	10.380	8748	10.380	8810	10.380	8872	10.380	8934	10.380	8996	10.380
8625	10.380	8687	10.380	8749	10.380	8811	10.380	8873	10.380	8935	10.380	8997	10.380
8626	10.380	8688	10.380	8750	10.380	8812	10.380	8874	10.380	8936	10.380	8998	10.380
8627	10.380	8689	10.380	8751	10.380	8813	10.380	8875	10.380	8937	10.380	8999	10.380
8628	10.380	8690	10.380	8752	10.380	8814	10.380	8876	10.380	8938	10.380	9000	10.380
8629	10.380	8691	10.380	8753	10.380	8815	10.380	8877	10.380	8939	10.380	9001	10.380
8630	10.380	8692	10.380	8754	10.380	8816	10.380	8878	10.380	8940	10.380	9002	10.380



Sizewell Link Road  
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Designed by Daniel James  
 Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9561	10.380	9623	10.380	9685	10.380	9747	10.380	9809	10.380	9871	10.380	9933	10.380
9562	10.380	9624	10.380	9686	10.380	9748	10.380	9810	10.380	9872	10.380	9934	10.380
9563	10.380	9625	10.380	9687	10.380	9749	10.380	9811	10.380	9873	10.380	9935	10.380
9564	10.380	9626	10.380	9688	10.380	9750	10.380	9812	10.380	9874	10.380	9936	10.380
9565	10.380	9627	10.380	9689	10.380	9751	10.380	9813	10.380	9875	10.380	9937	10.380
9566	10.380	9628	10.380	9690	10.380	9752	10.380	9814	10.380	9876	10.380	9938	10.380
9567	10.380	9629	10.380	9691	10.380	9753	10.380	9815	10.380	9877	10.380	9939	10.380
9568	10.380	9630	10.380	9692	10.380	9754	10.380	9816	10.380	9878	10.380	9940	10.380
9569	10.380	9631	10.380	9693	10.380	9755	10.380	9817	10.380	9879	10.380	9941	10.380
9570	10.380	9632	10.380	9694	10.380	9756	10.380	9818	10.380	9880	10.380	9942	10.380
9571	10.380	9633	10.380	9695	10.380	9757	10.380	9819	10.380	9881	10.380	9943	10.380
9572	10.380	9634	10.380	9696	10.380	9758	10.380	9820	10.380	9882	10.380	9944	10.380
9573	10.380	9635	10.380	9697	10.380	9759	10.380	9821	10.380	9883	10.380	9945	10.380
9574	10.380	9636	10.380	9698	10.380	9760	10.380	9822	10.380	9884	10.380	9946	10.380
9575	10.380	9637	10.380	9699	10.380	9761	10.380	9823	10.380	9885	10.380	9947	10.380
9576	10.380	9638	10.380	9700	10.380	9762	10.380	9824	10.380	9886	10.380	9948	10.380
9577	10.380	9639	10.380	9701	10.380	9763	10.380	9825	10.380	9887	10.380	9949	10.380
9578	10.380	9640	10.380	9702	10.380	9764	10.380	9826	10.380	9888	10.380	9950	10.380
9579	10.380	9641	10.380	9703	10.380	9765	10.380	9827	10.380	9889	10.380	9951	10.380
9580	10.380	9642	10.380	9704	10.380	9766	10.380	9828	10.380	9890	10.380	9952	10.380
9581	10.380	9643	10.380	9705	10.380	9767	10.380	9829	10.380	9891	10.380	9953	10.380
9582	10.380	9644	10.380	9706	10.380	9768	10.380	9830	10.380	9892	10.380	9954	10.380
9583	10.380	9645	10.380	9707	10.380	9769	10.380	9831	10.380	9893	10.380	9955	10.380
9584	10.380	9646	10.380	9708	10.380	9770	10.380	9832	10.380	9894	10.380	9956	10.380
9585	10.380	9647	10.380	9709	10.380	9771	10.380	9833	10.380	9895	10.380	9957	10.380
9586	10.380	9648	10.380	9710	10.380	9772	10.380	9834	10.380	9896	10.380	9958	10.380
9587	10.380	9649	10.380	9711	10.380	9773	10.380	9835	10.380	9897	10.380	9959	10.380
9588	10.380	9650	10.380	9712	10.380	9774	10.380	9836	10.380	9898	10.380	9960	10.380
9589	10.380	9651	10.380	9713	10.380	9775	10.380	9837	10.380	9899	10.380	9961	10.380
9590	10.380	9652	10.380	9714	10.380	9776	10.380	9838	10.380	9900	10.380	9962	10.380
9591	10.380	9653	10.380	9715	10.380	9777	10.380	9839	10.380	9901	10.380	9963	10.380
9592	10.380	9654	10.380	9716	10.380	9778	10.380	9840	10.380	9902	10.380	9964	10.380
9593	10.380	9655	10.380	9717	10.380	9779	10.380	9841	10.380	9903	10.380	9965	10.380
9594	10.380	9656	10.380	9718	10.380	9780	10.380	9842	10.380	9904	10.380	9966	10.380
9595	10.380	9657	10.380	9719	10.380	9781	10.380	9843	10.380	9905	10.380	9967	10.380
9596	10.380	9658	10.380	9720	10.380	9782	10.380	9844	10.380	9906	10.380	9968	10.380
9597	10.380	9659	10.380	9721	10.380	9783	10.380	9845	10.380	9907	10.380	9969	10.380
9598	10.380	9660	10.380	9722	10.380	9784	10.380	9846	10.380	9908	10.380	9970	10.380
9599	10.380	9661	10.380	9723	10.380	9785	10.380	9847	10.380	9909	10.380	9971	10.380
9600	10.380	9662	10.380	9724	10.380	9786	10.380	9848	10.380	9910	10.380	9972	10.380
9601	10.380	9663	10.380	9725	10.380	9787	10.380	9849	10.380	9911	10.380	9973	10.380
9602	10.380	9664	10.380	9726	10.380	9788	10.380	9850	10.380	9912	10.380	9974	10.380
9603	10.380	9665	10.380	9727	10.380	9789	10.380	9851	10.380	9913	10.380	9975	10.380
9604	10.380	9666	10.380	9728	10.380	9790	10.380	9852	10.380	9914	10.380	9976	10.380
9605	10.380	9667	10.380	9729	10.380	9791	10.380	9853	10.380	9915	10.380	9977	10.380
9606	10.380	9668	10.380	9730	10.380	9792	10.380	9854	10.380	9916	10.380	9978	10.380
9607	10.380	9669	10.380	9731	10.380	9793	10.380	9855	10.380	9917	10.380	9979	10.380
9608	10.380	9670	10.380	9732	10.380	9794	10.380	9856	10.380	9918	10.380	9980	10.380
9609	10.380	9671	10.380	9733	10.380	9795	10.380	9857	10.380	9919	10.380	9981	10.380
9610	10.380	9672	10.380	9734	10.380	9796	10.380	9858	10.380	9920	10.380	9982	10.380
9611	10.380	9673	10.380	9735	10.380	9797	10.380	9859	10.380	9921	10.380	9983	10.380
9612	10.380	9674	10.380	9736	10.380	9798	10.380	9860	10.380	9922	10.380	9984	10.380
9613	10.380	9675	10.380	9737	10.380	9799	10.380	9861	10.380	9923	10.380	9985	10.380
9614	10.380	9676	10.380	9738	10.380	9800	10.380	9862	10.380	9924	10.380	9986	10.380
9615	10.380	9677	10.380	9739	10.380	9801	10.380	9863	10.380	9925	10.380	9987	10.380
9616	10.380	9678	10.380	9740	10.380	9802	10.380	9864	10.380	9926	10.380	9988	10.380
9617	10.380	9679	10.380	9741	10.380	9803	10.380	9865	10.380	9927	10.380	9989	10.380
9618	10.380	9680	10.380	9742	10.380	9804	10.380	9866	10.380	9928	10.380	9990	10.380
9619	10.380	9681	10.380	9743	10.380	9805	10.380	9867	10.380	9929	10.380	9991	10.380
9620	10.380	9682	10.380	9744	10.380	9806	10.380	9868	10.380	9930	10.380	9992	10.380
9621	10.380	9683	10.380	9745	10.380	9807	10.380	9869	10.380	9931	10.380	9993	10.380
9622	10.380	9684	10.380	9746	10.380	9808	10.380	9870	10.380	9932	10.380	9994	10.380

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
10057	10.380	10119	10.380	10181	10.380	10243	10.380	10305	10.380	10367	10.380	10429	10.380
10058	10.380	10120	10.380	10182	10.380	10244	10.380	10306	10.380	10368	10.380	10430	10.380
10059	10.380	10121	10.380	10183	10.380	10245	10.380	10307	10.380	10369	10.380	10431	10.380
10060	10.380	10122	10.380	10184	10.380	10246	10.380	10308	10.380	10370	10.380	10432	10.380
10061	10.380	10123	10.380	10185	10.380	10247	10.380	10309	10.380	10371	10.380	10433	10.380
10062	10.380	10124	10.380	10186	10.380	10248	10.380	10310	10.380	10372	10.380	10434	10.380
10063	10.380	10125	10.380	10187	10.380	10249	10.380	10311	10.380	10373	10.380	10435	10.380
10064	10.380	10126	10.380	10188	10.380	10250	10.380	10312	10.380	10374	10.380	10436	10.380
10065	10.380	10127	10.380	10189	10.380	10251	10.380	10313	10.380	10375	10.380	10437	10.380
10066	10.380	10128	10.380	10190	10.380	10252	10.380	10314	10.380	10376	10.380	10438	10.380
10067	10.380	10129	10.380	10191	10.380	10253	10.380	10315	10.380	10377	10.380	10439	10.380
10068	10.380	10130	10.380	10192	10.380	10254	10.380	10316	10.380	10378	10.380	10440	10.380
10069	10.380	10131	10.380	10193	10.380	10255	10.380	10317	10.380	10379	10.380	10441	10.380
10070	10.380	10132	10.380	10194	10.380	10256	10.380	10318	10.380	10380	10.380	10442	10.380
10071	10.380	10133	10.380	10195	10.380	10257	10.380	10319	10.380	10381	10.380	10443	10.380
10072	10.380	10134	10.380	10196	10.380	10258	10.380	10320	10.380	10382	10.380	10444	10.380
10073	10.380	10135	10.380	10197	10.380	10259	10.380	10321	10.380	10383	10.380	10445	10.380
10074	10.380	10136	10.380	10198	10.380	10260	10.380	10322	10.380	10384	10.380	10446	10.380
10075	10.380	10137	10.380	10199	10.380	10261	10.380	10323	10.380	10385	10.380	10447	10.380
10076	10.380	10138	10.380	10200	10.380	10262	10.380	10324	10.380	10386	10.380	10448	10.380
10077	10.380	10139	10.380	10201	10.380	10263	10.380	10325	10.380	10387	10.380	10449	10.380
10078	10.380	10140	10.380	10202	10.380	10264	10.380	10326	10.380	10388	10.380	10450	10.380
10079	10.380	10141	10.380	10203	10.380	10265	10.380	10327	10.380	10389	10.380	10451	10.380
10080	10.380	10142	10.380	10204	10.380	10266	10.380	10328	10.380	10390	10.380	10452	10.380
10081	10.380	10143	10.380	10205	10.380	10267	10.380	10329	10.380	10391	10.380	10453	10.380
10082	10.380	10144	10.380	10206	10.380	10268	10.380	10330	10.380	10392	10.380	10454	10.380
10083	10.380	10145	10.380	10207	10.380	10269	10.380	10331	10.380	10393	10.380	10455	10.380
10084	10.380	10146	10.380	10208	10.380	10270	10.380	10332	10.380	10394	10.380	10456	10.380
10085	10.380	10147	10.380	10209	10.380	10271	10.380	10333	10.380	10395	10.380	10457	10.380
10086	10.380	10148	10.380	10210	10.380	10272	10.380	10334	10.380	10396	10.380	10458	10.380
10087	10.380	10149	10.380	10211	10.380	10273	10.380	10335	10.380	10397	10.380	10459	10.380
10088	10.380	10150	10.380	10212	10.380	10274	10.380	10336	10.380	10398	10.380	10460	10.380
10089	10.380	10151	10.380	10213	10.380	10275	10.380	10337	10.380	10399	10.380	10461	10.380
10090	10.380	10152	10.380	10214	10.380	10276	10.380	10338	10.380	10400	10.380	10462	10.380
10091	10.380	10153	10.380	10215	10.380	10277	10.380	10339	10.380	10401	10.380	10463	10.380
10092	10.380	10154	10.380	10216	10.380	10278	10.380	10340	10.380	10402	10.380	10464	10.380
10093	10.380	10155	10.380	10217	10.380	10279	10.380	10341	10.380	10403	10.380	10465	10.380
10094	10.380	10156	10.380	10218	10.380	10280	10.380	10342	10.380	10404	10.380	10466	10.380
10095	10.380	10157	10.380	10219	10.380	10281	10.380	10343	10.380	10405	10.380	10467	10.380
10096	10.380	10158	10.380	10220	10.380	10282	10.380	10344	10.380	10406	10.380	10468	10.380
10097	10.380	10159	10.380	10221	10.380	10283	10.380	10345	10.380	10407	10.380	10469	10.380
10098	10.380	10160	10.380	10222	10.380	10284	10.380	10346	10.380	10408	10.380	10470	10.380
10099	10.380	10161	10.380	10223	10.380	10285	10.380	10347	10.380	10409	10.380	10471	10.380
10100	10.380	10162	10.380	10224	10.380	10286	10.380	10348	10.380	10410	10.380	10472	10.380
10101	10.380	10163	10.380	10225	10.380	10287	10.380	10349	10.380	10411	10.380	10473	10.380
10102	10.380	10164	10.380	10226	10.380	10288	10.380	10350	10.380	10412	10.380	10474	10.380
10103	10.380	10165	10.380	10227	10.380	10289	10.380	10351	10.380	10413	10.380	10475	10.380
10104	10.380	10166	10.380	10228	10.380	10290	10.380	10352	10.380	10414	10.380	10476	10.380
10105	10.380	10167	10.380	10229	10.380	10291	10.380	10353	10.380	10415	10.380	10477	10.380
10106	10.380	10168	10.380	10230	10.380	10292	10.380	10354	10.380	10416	10.380	10478	10.380
10107	10.380	10169	10.380	10231	10.380	10293	10.380	10355	10.380	10417	10.380	10479	10.380
10108	10.380	10170	10.380	10232	10.380	10294	10.380	10356	10.380	10418	10.380	10480	10.380
10109	10.380	10171	10.380	10233	10.380	10295	10.380	10357	10.380	10419	10.380	10481	10.380
10110	10.380	10172	10.380	10234	10.380	10296	10.380	10358	10.380	10420	10.380	10482	10.380
10111	10.380	10173	10.380	10235	10.380	10297	10.380	10359	10.380	10421	10.380	10483	10.380
10112	10.380	10174	10.380	10236	10.380	10298	10.380	10360	10.380	10422	10.380	10484	10.380
10113	10.380	10175	10.380	10237	10.380	10299	10.380	10361	10.380	10423	10.380	10485	10.380
10114	10.380	10176	10.380	10238	10.380	10300	10.380	10362	10.380	10424	10.380	10486	10.380
10115	10.380	10177	10.380	10239	10.380	10301	10.380	10363	10.380	10425	10.380	10487	10.380
10116	10.380	10178	10.380	10240	10.380	10302	10.380	10364	10.380	10426	10.380	10488	10.380
10117	10.380	10179	10.380	10241	10.380	10303	10.380	10365	10.380	10427	10.380	10489	10.380
10118	10.380	10180	10.380	10242	10.380	10304	10.380	10366	10.380	10428	10.380	10490	10.380



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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
10553	10.380	10584	10.380	10615	10.380	10646	10.380	10677	10.380	10708	10.380	10739	10.380	10770	10.380
10554	10.380	10585	10.380	10616	10.380	10647	10.380	10678	10.380	10709	10.380	10740	10.380	10771	10.380
10555	10.380	10586	10.380	10617	10.380	10648	10.380	10679	10.380	10710	10.380	10741	10.380	10772	10.380
10556	10.380	10587	10.380	10618	10.380	10649	10.380	10680	10.380	10711	10.380	10742	10.380	10773	10.380
10557	10.380	10588	10.380	10619	10.380	10650	10.380	10681	10.380	10712	10.380	10743	10.380	10774	10.380
10558	10.380	10589	10.380	10620	10.380	10651	10.380	10682	10.380	10713	10.380	10744	10.380	10775	10.380
10559	10.380	10590	10.380	10621	10.380	10652	10.380	10683	10.380	10714	10.380	10745	10.380	10776	10.380
10560	10.380	10591	10.380	10622	10.380	10653	10.380	10684	10.380	10715	10.380	10746	10.380	10777	10.380
10561	10.380	10592	10.380	10623	10.380	10654	10.380	10685	10.380	10716	10.380	10747	10.380	10778	10.380
10562	10.380	10593	10.380	10624	10.380	10655	10.380	10686	10.380	10717	10.380	10748	10.380	10779	10.380
10563	10.380	10594	10.380	10625	10.380	10656	10.380	10687	10.380	10718	10.380	10749	10.380	10780	10.380
10564	10.380	10595	10.380	10626	10.380	10657	10.380	10688	10.380	10719	10.380	10750	10.380	10781	10.380
10565	10.380	10596	10.380	10627	10.380	10658	10.380	10689	10.380	10720	10.380	10751	10.380	10782	10.380
10566	10.380	10597	10.380	10628	10.380	10659	10.380	10690	10.380	10721	10.380	10752	10.380	10783	10.380
10567	10.380	10598	10.380	10629	10.380	10660	10.380	10691	10.380	10722	10.380	10753	10.380	10784	10.380
10568	10.380	10599	10.380	10630	10.380	10661	10.380	10692	10.380	10723	10.380	10754	10.380	10785	10.380
10569	10.380	10600	10.380	10631	10.380	10662	10.380	10693	10.380	10724	10.380	10755	10.380	10786	10.380
10570	10.380	10601	10.380	10632	10.380	10663	10.380	10694	10.380	10725	10.380	10756	10.380	10787	10.380
10571	10.380	10602	10.380	10633	10.380	10664	10.380	10695	10.380	10726	10.380	10757	10.380	10788	10.380
10572	10.380	10603	10.380	10634	10.380	10665	10.380	10696	10.380	10727	10.380	10758	10.380	10789	10.380
10573	10.380	10604	10.380	10635	10.380	10666	10.380	10697	10.380	10728	10.380	10759	10.380	10790	10.380
10574	10.380	10605	10.380	10636	10.380	10667	10.380	10698	10.380	10729	10.380	10760	10.380	10791	10.380
10575	10.380	10606	10.380	10637	10.380	10668	10.380	10699	10.380	10730	10.380	10761	10.380	10792	10.380
10576	10.380	10607	10.380	10638	10.380	10669	10.380	10700	10.380	10731	10.380	10762	10.380	10793	10.380
10577	10.380	10608	10.380	10639	10.380	10670	10.380	10701	10.380	10732	10.380	10763	10.380	10794	10.380
10578	10.380	10609	10.380	10640	10.380	10671	10.380	10702	10.380	10733	10.380	10764	10.380	10795	10.380
10579	10.380	10610	10.380	10641	10.380	10672	10.380	10703	10.380	10734	10.380	10765	10.380	10796	10.380
10580	10.380	10611	10.380	10642	10.380	10673	10.380	10704	10.380	10735	10.380	10766	10.380	10797	10.380
10581	10.380	10612	10.380	10643	10.380	10674	10.380	10705	10.380	10736	10.380	10767	10.380	10798	10.380
10582	10.380	10613	10.380	10644	10.380	10675	10.380	10706	10.380	10737	10.380	10768	10.380	10799	10.380
10583	10.380	10614	10.380	10645	10.380	10676	10.380	10707	10.380	10738	10.380	10769	10.380	10800	10.380

Simulation Criteria for Storm

Volumetric Runoff Coeff 0.750      Additional Flow - % of Total Flow 0.000  
 Areal Reduction Factor 1.000      MADD Factor \* 10m³/ha Storage 2.000  
 Hot Start (mins) 0      Inlet Coefficient 0.800  
 Hot Start Level (mm) 0      Flow per Person per Day (l/per/day) 0.000  
 Manhole Headloss Coeff (Global) 0.500      Run Time (mins) 60  
 Foul Sewage per hectare (l/s) 0.000      Output Interval (mins) 1

Number of Input Hydrographs 0      Number of Offline Controls 0      Number of Time/Area Diagrams 0  
 Number of Online Controls 2      Number of Storage Structures 2      Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH      Summer Storms Yes  
 Return Period (years) 2      Winter Storms No  
 FEH Rainfall Version 2013      Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538      Cv (Winter) 0.840  
 Data Type Point Storm Duration (mins) 30



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Online Controls for Storm

Hydro-Brake® Optimum Manhole: S15, DS/PN: S3.010, Volume (m³): 11.9

Unit Reference	MD-SHE-0105-5000-1000-5000
Design Head (m)	1.000
Design Flow (l/s)	5.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	105
Invert Level (m)	10.730
Minimum Outlet Pipe Diameter (mm)	150
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.000	5.0	Kick-Flo®	0.637	4.1
Flush-Flo™	0.296	5.0	Mean Flow over Head Range	-	4.3

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.6	0.800	4.5	2.000	6.9	4.000	9.6	7.000	12.5
0.200	4.8	1.000	5.0	2.200	7.2	4.500	10.1	7.500	12.9
0.300	5.0	1.200	5.4	2.400	7.5	5.000	10.6	8.000	13.3
0.400	4.9	1.400	5.8	2.600	7.8	5.500	11.1	8.500	13.7
0.500	4.7	1.600	6.2	3.000	8.4	6.000	11.6	9.000	14.1
0.600	4.3	1.800	6.6	3.500	9.0	6.500	12.1	9.500	14.5

Hydro-Brake® Optimum Manhole: S6, DS/PN: S1.006, Volume (m³): 9.9

Unit Reference	MD-SHE-0103-5000-1200-5000
Design Head (m)	1.200
Design Flow (l/s)	5.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	103
Invert Level (m)	10.080
Minimum Outlet Pipe Diameter (mm)	150
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.200	5.0	Kick-Flo®	0.745	4.0
Flush-Flo™	0.354	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.4	0.800	4.1	2.000	6.3	4.000	8.8	7.000	11.5
0.200	4.7	1.000	4.6	2.200	6.6	4.500	9.3	7.500	11.8
0.300	5.0	1.200	5.0	2.400	6.9	5.000	9.8	8.000	12.2
0.400	5.0	1.400	5.4	2.600	7.2	5.500	10.2	8.500	12.6
0.500	4.9	1.600	5.7	3.000	7.7	6.000	10.7	9.000	12.9
0.600	4.7	1.800	6.0	3.500	8.3	6.500	11.1	9.500	13.3

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Storage Structures for Storm

Tank or Pond Manhole: S15, DS/PN: S3.010

Invert Level (m) 10.730

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	1.500	2500.0

Tank or Pond Manhole: S6, DS/PN: S1.006

Invert Level (m) 10.080

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	400.0	2.200	1200.0

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Storage Structures for Storm

Tank or Pond Manhole: S15, DS/PN: S3.010

Invert Level (m) 10.730

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	1.500	2500.0

Tank or Pond Manhole: S6, DS/PN: S1.006

Invert Level (m) 10.080

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	400.0	2.200	1200.0

Manhole Headloss for Storm

PN	US/MH Name	US/MH Headloss
S1.000	S1	0.500
S1.001	S2	0.500
S1.002	S2	0.500
S1.003	S3	0.500
S2.000	S5	0.500
S2.001	S6	0.500
S2.002	S4	0.500
S2.003	S5	0.500
S1.004	S4	0.500
S3.000	S5	0.500
S3.001	S6	0.500
S3.002	S7	0.500
S3.003	S8	0.500
S3.004	S9	0.500
S3.005	S10	0.500
S3.006	S11	0.500
S3.007	S12	0.500
S4.000	S33	0.500
S4.001	S34	0.500
S4.002	S17	0.500
S4.003	S19	0.500
S3.008	S13	0.500
S3.009	S14	0.500
S3.010	S15	0.500
S3.011	S16	0.500
S1.005	S5	0.500
S1.006	S6	0.500
S1.007	S7	0.500

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
 Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
 FEH Rainfall Version 2013 Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
 Analysis Timestep Fine Inertia Status ON  
 DTS Status OFF

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
 2160, 2880, 4320, 5760  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S1.000	S1	15 Winter	2	+0%	100/15 Summer				14.211	-0.259	0.000
S1.001	S2	15 Winter	2	+0%	100/15 Summer	100/15 Winter			13.905	-0.262	0.000
S1.002	S2	15 Winter	2	+0%	100/15 Summer				13.589	-0.350	0.000
S1.003	S3	15 Winter	2	+0%	100/15 Summer				13.159	-0.291	0.000
S2.000	S5	15 Winter	2	+0%					20.090	-0.210	0.000
S2.001	S6	15 Winter	2	+0%	100/15 Summer				19.642	-0.186	0.000
S2.002	S4	15 Winter	2	+0%					19.123	-0.217	0.000
S2.003	S5	15 Winter	2	+0%					16.711	-0.229	0.000
S1.004	S4	15 Winter	2	+0%	30/15 Winter	100/15 Winter			13.112	-0.162	0.000
S3.000	S5	15 Winter	2	+0%					20.592	-0.173	0.000
S3.001	S6	15 Winter	2	+0%	100/15 Summer				19.893	-0.143	0.000
S3.002	S7	15 Winter	2	+0%					19.792	-0.230	0.000
S3.003	S8	15 Winter	2	+0%					18.175	-0.217	0.000
S3.004	S9	15 Winter	2	+0%	100/15 Summer				15.227	-0.273	0.000
S3.005	S10	15 Winter	2	+0%	100/15 Summer				14.917	-0.223	0.000
S3.006	S11	15 Winter	2	+0%	100/15 Summer				14.645	-0.215	0.000
S3.007	S12	15 Winter	2	+0%					14.474	-0.295	0.000
S4.000	S33	15 Winter	2	+0%					20.364	-0.171	0.000
S4.001	S34	15 Winter	2	+0%					18.818	-0.157	0.000
S4.002	S17	15 Winter	2	+0%					17.486	-0.174	0.000
S4.003	S19	15 Winter	2	+0%	100/15 Summer				11.708	-0.192	0.000
S3.008	S13	15 Winter	2	+0%					11.113	-0.425	0.000
S3.009	S14	15 Winter	2	+0%					11.013	-0.415	0.000
S3.010	S15	360 Winter	2	+0%	100/1440 Winter				10.872	-0.458	0.000
S3.011	S16	1440 Winter	2	+0%	30/960 Winter				10.554	-0.246	0.000
S1.005	S5	1440 Winter	2	+0%	30/480 Winter				10.554	-0.169	0.000
S1.006	S6	1440 Winter	2	+0%	30/360 Winter				10.553	-0.127	0.000
S1.007	S7	1440 Winter	2	+0%					10.381	-0.259	0.000

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Sizewell Link Road  
DCO Design Review  
Swale Discharge to Watercourse



Date 05/10/2021

Designed by Daniel James

File SLR-AB-30 C.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Flow / Cap.	Pipe		Status	Level Exceeded
			Overflow (l/s)	Flow (l/s)		
S1.000	S1	0.20		28.8	OK	
S1.001	S2	0.20		28.1	OK	1
S1.002	S2	0.11		34.3	OK	
S1.003	S3	0.27		34.1	OK	
S2.000	S5	0.18		15.1	OK	
S2.001	S6	0.31		24.9	OK	
S2.002	S4	0.17		29.8	OK	
S2.003	S5	0.13		32.8	OK	
S1.004	S4	0.43		84.0	OK	1
S3.000	S5	0.12		7.8	OK	
S3.001	S6	0.28		7.9	OK	
S3.002	S7	0.12		18.2	OK	
S3.003	S8	0.17		38.3	OK	
S3.004	S9	0.17		39.2	OK	
S3.005	S10	0.34		40.5	OK	
S3.006	S11	0.38		41.0	OK	
S3.007	S12	0.10		43.1	OK	
S4.000	S33	0.12		8.2	OK	
S4.001	S34	0.20		14.3	OK	
S4.002	S17	0.12		18.1	OK	
S4.003	S19	0.28		22.8	OK	
S3.008	S13	0.19		65.1	OK	
S3.009	S14	0.21		64.7	OK	
S3.010	S15	0.01		4.6	OK	
S3.011	S16	0.01		3.7	OK	
S1.005	S5	0.04		8.9	OK	
S1.006	S6	0.02		4.1	OK	
S1.007	S7	0.01		4.1	OK	

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Network 2019.1

5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S1.000	S1	15 Winter	5	+0%	100/15 Summer				14.230	-0.240	0.000
S1.001	S2	15 Winter	5	+0%	100/15 Summer	100/15 Winter			13.924	-0.243	0.000
S1.002	S2	15 Winter	5	+0%	100/15 Summer				13.606	-0.333	0.000
S1.003	S3	15 Winter	5	+0%	100/15 Summer				13.188	-0.262	0.000
S2.000	S5	15 Winter	5	+0%					20.104	-0.196	0.000
S2.001	S6	15 Winter	5	+0%	100/15 Summer				19.663	-0.165	0.000
S2.002	S4	15 Winter	5	+0%					19.137	-0.203	0.000
S2.003	S5	15 Winter	5	+0%					16.723	-0.217	0.000
S1.004	S4	15 Winter	5	+0%	30/15 Winter	100/15 Winter			13.139	-0.135	0.000
S3.000	S5	15 Winter	5	+0%					20.601	-0.164	0.000
S3.001	S6	15 Winter	5	+0%	100/15 Summer				19.908	-0.128	0.000
S3.002	S7	15 Winter	5	+0%					19.805	-0.217	0.000
S3.003	S8	15 Winter	5	+0%					18.189	-0.203	0.000
S3.004	S9	15 Winter	5	+0%	100/15 Summer				15.245	-0.255	0.000
S3.005	S10	15 Winter	5	+0%	100/15 Summer				14.946	-0.194	0.000
S3.006	S11	15 Winter	5	+0%	100/15 Summer				14.675	-0.185	0.000
S3.007	S12	15 Winter	5	+0%					14.487	-0.282	0.000
S4.000	S33	15 Winter	5	+0%					20.373	-0.162	0.000
S4.001	S34	15 Winter	5	+0%					18.830	-0.145	0.000
S4.002	S17	15 Winter	5	+0%					17.495	-0.165	0.000
S4.003	S19	15 Winter	5	+0%	100/15 Summer				11.728	-0.172	0.000
S3.008	S13	15 Winter	5	+0%					11.142	-0.396	0.000
S3.009	S14	15 Winter	5	+0%					11.044	-0.384	0.000
S3.010	S15	360 Winter	5	+0%	100/1440 Winter				10.907	-0.423	0.000
S3.011	S16	1440 Winter	5	+0%	30/960 Winter				10.621	-0.179	0.000
S1.005	S5	1440 Winter	5	+0%	30/480 Winter				10.620	-0.103	0.000
S1.006	S6	1440 Winter	5	+0%	30/360 Winter				10.618	-0.062	0.000
S1.007	S7	1440 Winter	5	+0%					10.381	-0.259	0.000

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Sizewell Link Road  
DCO Design Review  
Swale Discharge to Watercourse



Date 05/10/2021  
File SLR-AB-30 C.MDX

Designed by Daniel James  
Checked by Derek Lord

XP Solutions

Network 2019.1

5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Flow / Cap.	Pipe		Status	Level Exceeded
			Overflow (l/s)	Flow (l/s)		
S1.000	S1	0.27		38.9	OK	
S1.001	S2	0.27		37.9	OK	1
S1.002	S2	0.15		46.4	OK	
S1.003	S3	0.36		46.1	OK	
S2.000	S5	0.25		20.4	OK	
S2.001	S6	0.42		33.7	OK	
S2.002	S4	0.23		40.2	OK	
S2.003	S5	0.17		44.3	OK	
S1.004	S4	0.57		113.4	OK	1
S3.000	S5	0.16		10.5	OK	
S3.001	S6	0.38		10.7	OK	
S3.002	S7	0.17		24.6	OK	
S3.003	S8	0.23		51.6	OK	
S3.004	S9	0.22		52.8	OK	
S3.005	S10	0.45		54.6	OK	
S3.006	S11	0.51		55.4	OK	
S3.007	S12	0.14		58.2	OK	
S4.000	S33	0.17		11.1	OK	
S4.001	S34	0.27		19.3	OK	
S4.002	S17	0.16		24.5	OK	
S4.003	S19	0.38		30.8	OK	
S3.008	S13	0.25		87.9	OK	
S3.009	S14	0.28		87.4	OK	
S3.010	S15	0.01		4.8	OK	
S3.011	S16	0.02		4.3	OK	
S1.005	S5	0.05		10.8	OK	
S1.006	S6	0.02		4.8	OK	
S1.007	S7	0.01		4.8	OK	



Sizewell Link Road  
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Date 05/10/2021  
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XP Solutions

Network 2019.1

30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
 Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
 FEH Rainfall Version 2013 Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
 Analysis Timestep Fine Inertia Status ON  
 DTS Status OFF

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
 2160, 2880, 4320, 5760  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S1.000	S1	15 Winter	30	+0%	100/15 Summer				14.275	-0.195	0.000
S1.001	S2	15 Winter	30	+0%	100/15 Summer	100/15 Winter			13.968	-0.199	0.000
S1.002	S2	15 Winter	30	+0%	100/15 Summer				13.644	-0.295	0.000
S1.003	S3	15 Winter	30	+0%	100/15 Summer				13.293	-0.157	0.000
S2.000	S5	15 Winter	30	+0%					20.139	-0.161	0.000
S2.001	S6	15 Winter	30	+0%	100/15 Summer				19.724	-0.104	0.000
S2.002	S4	15 Winter	30	+0%					19.174	-0.166	0.000
S2.003	S5	15 Winter	30	+0%					16.756	-0.184	0.000
S1.004	S4	15 Winter	30	+0%	30/15 Winter	100/15 Winter			13.281	0.007	0.000
S3.000	S5	15 Winter	30	+0%					20.620	-0.145	0.000
S3.001	S6	15 Winter	30	+0%	100/15 Summer				19.942	-0.094	0.000
S3.002	S7	15 Winter	30	+0%					19.838	-0.184	0.000
S3.003	S8	15 Winter	30	+0%					18.234	-0.158	0.000
S3.004	S9	15 Winter	30	+0%	100/15 Summer				15.301	-0.199	0.000
S3.005	S10	15 Winter	30	+0%	100/15 Summer				15.049	-0.091	0.000
S3.006	S11	15 Winter	30	+0%	100/15 Summer				14.777	-0.083	0.000
S3.007	S12	15 Winter	30	+0%					14.525	-0.244	0.000
S4.000	S33	15 Winter	30	+0%					20.392	-0.143	0.000
S4.001	S34	15 Winter	30	+0%					18.863	-0.112	0.000
S4.002	S17	15 Winter	30	+0%					17.519	-0.141	0.000
S4.003	S19	15 Winter	30	+0%	100/15 Summer				11.790	-0.110	0.000
S3.008	S13	15 Winter	30	+0%					11.226	-0.312	0.000
S3.009	S14	15 Winter	30	+0%					11.137	-0.291	0.000
S3.010	S15	480 Winter	30	+0%	100/1440 Winter				11.005	-0.325	0.000
S3.011	S16	1440 Winter	30	+0%	30/960 Winter				10.828	0.028	0.000
S1.005	S5	1440 Winter	30	+0%	30/480 Winter				10.828	0.105	0.000
S1.006	S6	1440 Winter	30	+0%	30/360 Winter				10.827	0.147	0.000
S1.007	S7	2880 Winter	30	+0%					10.381	-0.259	0.000

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XP Solutions

Network 2019.1

30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S1.000	S1	0.45	64.3	OK	
S1.001	S2	0.44	62.6	OK	1
S1.002	S2	0.25	76.9	OK	
S1.003	S3	0.62	78.6	OK	
S2.000	S5	0.41	33.8	OK	
S2.001	S6	0.74	59.7	OK	
S2.002	S4	0.40	71.6	OK	
S2.003	S5	0.31	79.5	OK	
S1.004	S4	0.98	193.4	SURCHARGED	1
S3.000	S5	0.27	17.4	OK	
S3.001	S6	0.63	17.7	OK	
S3.002	S7	0.30	45.2	OK	
S3.003	S8	0.44	100.5	OK	
S3.004	S9	0.44	102.2	OK	
S3.005	S10	0.87	104.8	OK	
S3.006	S11	0.95	104.0	OK	
S3.007	S12	0.26	108.6	OK	
S4.000	S33	0.28	18.4	OK	
S4.001	S34	0.48	34.6	OK	
S4.002	S17	0.29	44.8	OK	
S4.003	S19	0.71	57.7	OK	
S3.008	S13	0.47	162.1	OK	
S3.009	S14	0.52	161.5	OK	
S3.010	S15	0.01	5.0	OK	
S3.011	S16	0.02	4.8	SURCHARGED	
S1.005	S5	0.07	15.8	SURCHARGED	
S1.006	S6	0.02	5.0	SURCHARGED	
S1.007	S7	0.01	5.0	OK	

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Network 2019.1

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
 Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
 FEH Rainfall Version 2013 Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
 Analysis Timestep Fine Inertia Status ON  
 DTS Status OFF

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
 2160, 2880, 4320, 5760  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )
S1.000	S1	15 Winter	100	+40%	100/15 Summer				15.249	0.779	0.000
S1.001	S2	15 Winter	100	+40%	100/15 Summer	100/15 Winter			15.121	0.954	0.935
S1.002	S2	15 Winter	100	+40%	100/15 Summer				15.033	1.094	0.000
S1.003	S3	15 Winter	100	+40%	100/15 Summer				14.853	1.403	0.000
S2.000	S5	15 Winter	100	+40%					20.203	-0.097	0.000
S2.001	S6	15 Winter	100	+40%	100/15 Summer				19.956	0.128	0.000
S2.002	S4	15 Winter	100	+40%					19.222	-0.118	0.000
S2.003	S5	15 Winter	100	+40%					16.793	-0.147	0.000
S1.004	S4	15 Winter	100	+40%	30/15 Winter	100/15 Winter			14.840	1.566	0.078
S3.000	S5	15 Winter	100	+40%					20.652	-0.113	0.000
S3.001	S6	15 Winter	100	+40%	100/15 Summer				20.069	0.033	0.000
S3.002	S7	15 Summer	100	+40%					19.881	-0.141	0.000
S3.003	S8	15 Winter	100	+40%					18.298	-0.094	0.000
S3.004	S9	15 Winter	100	+40%	100/15 Summer				15.842	0.342	0.000
S3.005	S10	15 Winter	100	+40%	100/15 Summer				15.640	0.500	0.000
S3.006	S11	15 Winter	100	+40%	100/15 Summer				15.004	0.144	0.000
S3.007	S12	15 Winter	100	+40%					14.571	-0.198	0.000
S4.000	S33	15 Winter	100	+40%					20.425	-0.110	0.000
S4.001	S34	15 Winter	100	+40%					18.916	-0.059	0.000
S4.002	S17	15 Winter	100	+40%					17.552	-0.108	0.000
S4.003	S19	15 Winter	100	+40%	100/15 Summer				12.112	0.212	0.000
S3.008	S13	15 Winter	100	+40%					11.348	-0.190	0.000
S3.009	S14	1440 Winter	100	+40%					11.338	-0.090	0.000
S3.010	S15	1440 Winter	100	+40%	100/1440 Winter				11.338	0.008	0.000
S3.011	S16	1440 Winter	100	+40%	30/960 Winter				11.286	0.486	0.000
S1.005	S5	1440 Winter	100	+40%	30/480 Winter				11.286	0.563	0.000
S1.006	S6	1440 Winter	100	+40%	30/360 Winter				11.285	0.605	0.000
S1.007	S7	60 Summer	100	+40%					10.382	-0.258	0.000

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Date 05/10/2021

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File SLR-AB-30 C.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S1.000	S1	0.78	111.8	FLOOD RISK	
S1.001	S2	0.58	83.1	FLOOD	1
S1.002	S2	0.41	124.5	FLOOD RISK	
S1.003	S3	1.17	148.0	FLOOD RISK	
S2.000	S5	0.73	60.4	OK	
S2.001	S6	1.22	98.0	SURCHARGED	
S2.002	S4	0.66	116.7	OK	
S2.003	S5	0.50	128.4	OK	
S1.004	S4	1.21	238.2	FLOOD	1
S3.000	S5	0.48	31.3	OK	
S3.001	S6	1.11	31.2	SURCHARGED	
S3.002	S7	0.52	78.0	OK	
S3.003	S8	0.79	179.6	OK	
S3.004	S9	0.75	177.0	SURCHARGED	
S3.005	S10	1.49	180.0	SURCHARGED	
S3.006	S11	1.64	179.0	SURCHARGED	
S3.007	S12	0.45	186.7	OK	
S4.000	S33	0.49	32.9	OK	
S4.001	S34	0.86	62.0	OK	
S4.002	S17	0.52	80.2	OK	
S4.003	S19	1.22	99.6	SURCHARGED	
S3.008	S13	0.80	276.6	OK	
S3.009	S14	0.06	18.7	OK	
S3.010	S15	0.01	4.9	SURCHARGED	
S3.011	S16	0.02	4.7	SURCHARGED	
S1.005	S5	0.13	27.4	SURCHARGED	
S1.006	S6	0.02	5.0	SURCHARGED	
S1.007	S7	0.01	4.8	OK	

Sizewell Link Road  
DCO Design Review  
SLR-AB-32



Date 28/03/2022

Designed by Daniel James

File SLR-AB-32 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for Storm

Pipe Sizes STANDARD Manhole Sizes STANDARD

FEH Rainfall Model

Return Period (years)	4
FEH Rainfall Version	2013
Site Location	GB 640286 267538 TM 40286 67538
Data Type	Point
Maximum Rainfall (mm/hr)	50
Maximum Time of Concentration (mins)	30
Foul Sewage (l/s/ha)	0.000
Volumetric Runoff Coeff.	0.750
PIMP (%)	100
Add Flow / Climate Change (%)	40
Minimum Backdrop Height (m)	0.200
Maximum Backdrop Height (m)	1.500
Min Design Depth for Optimisation (m)	1.200
Min Vel for Auto Design only (m/s)	1.00
Min Slope for Optimisation (1:X)	500

Designed with Level Soffits

Time Area Diagram for Storm

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)		
0-4	0.192	4-8	0.473	8-12	0.219	12-16	0.085	16-20	0.104	20-24	0.038	24-28	0.027	28-32	0.023	32-36	0.005

Total Area Contributing (ha) = 1.165

Total Pipe Volume (m³) = 209.405

Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
S5.000	58.641	1.150	51.0	0.041	15.00	0.0	0.600		o	225	Pipe/Conduit	
S6.000	104.851	1.033	101.5	0.062	15.00	0.0		0.100	5 \	200	1:5 V Swale	
S6.001	87.046	0.680	128.0	0.055	0.00	0.0	0.600		o	200	Pipe/Conduit	
S6.002	96.899	3.230	30.0	0.070	0.00	0.0		0.100	5 \	200	1:5 V Swale	
S6.003	6.387	0.491	13.0	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit	
S7.000	100.887	3.552	28.4	0.108	15.00	0.0	0.600		o	225	Pipe/Conduit	
S7.001	99.230	0.413	240.3	0.097	0.00	0.0	0.600		o	300	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S5.000	43.57	15.53	13.652	0.041	0.0	0.0	1.9	1.84	73.0	6.7
S6.000	33.71	23.28	20.060	0.062	0.0	0.0	2.3	0.21	42.2	8.0
S6.001	32.48	24.64	19.026	0.118	0.0	0.0	4.1	1.07	33.6	14.5
S6.002	29.28	28.80	18.346	0.187	0.0	0.0	5.9	0.39	77.6	20.8
S6.003	29.26	28.82	15.116	0.187	0.0	0.0	5.9	4.38	309.8	20.8
S7.000	43.32	15.68	21.052	0.108	0.0	0.0	5.0	2.46	98.0	17.7
S7.001	40.73	17.32	17.425	0.204	0.0	0.0	9.0	1.01	71.4	31.5

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Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section	Type	Auto Design
S7.002	100.380	3.346	30.0	0.070	0.00	0.0	0.600		o	300	Pipe/Conduit		
S6.004	15.397	0.064	241.9	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit		
S6.005	17.107	0.428	40.0	0.034	0.00	0.0	0.600		o	300	Pipe/Conduit		
S6.006	42.874	1.072	40.0	0.000	0.00	0.0	0.600		o	500	Pipe/Conduit		
S5.001	43.576	1.453	30.0	0.061	0.00	0.0	0.600		o	375	Pipe/Conduit		
S5.002	47.189	0.197	239.5	0.000	0.00	0.0	0.600		o	600	Pipe/Conduit		
S8.000	98.734	0.994	99.3	0.102	15.00	0.0	0.600		o	300	Pipe/Conduit		
S8.001	101.257	0.416	243.6	0.084	0.00	0.0	0.600		o	300	Pipe/Conduit		
S8.002	100.000	0.410	243.6	0.085	0.00	0.0	0.600		o	300	Pipe/Conduit		
S8.003	47.129	0.193	243.6	0.024	0.00	0.0	0.600		o	300	Pipe/Conduit		
S8.004	10.433	0.294	35.5	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit		
S9.000	82.709	1.838	45.0	0.041	15.00	0.0		0.100	5 \	200	1:5 V Swale		
S9.001	87.276	0.499	175.0	0.043	0.00	0.0		0.100	5 \	220	1:5 V Swale		
S9.002	104.848	3.320	31.6	0.052	0.00	0.0		0.100	5 \	220	1:5 V Swale		
S9.003	38.655	1.289	30.0	0.032	0.00	0.0	0.600		o	300	Pipe/Conduit		
S8.005	79.477	2.165	36.7	0.107	0.00	0.0	0.600		o	300	Pipe/Conduit		
S5.003	24.816	0.285	87.0	0.000	0.00	0.0	0.600		o	600	Pipe/Conduit		
S5.004	12.116	0.030	403.9	0.000	0.00	0.0	0.600		o	600	Pipe/Conduit		
S5.005	33.397	0.083	402.4	0.000	0.00	0.0	0.600		o	600	Pipe/Conduit		

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S7.002	39.90	17.90	17.012	0.274	0.0	0.0	11.9	2.88	203.7	41.5
S6.004	29.09	29.08	13.666	0.461	0.0	0.0	14.5	1.01	71.1	50.9
S6.005	29.02	29.19	13.602	0.495	0.0	0.0	15.6	2.49	176.2	54.5
S6.006	28.88	29.40	12.975	0.495	0.0	0.0	15.6	3.44	676.0	54.5
S5.001	28.73	29.62	12.499	0.597	0.0	0.0	18.6	3.32	366.5	65.1
S5.002	28.49	30.00	11.000	0.597	0.0	0.0	18.6	1.57	443.6	65.1
S8.000	42.71	16.04	15.100	0.102	0.0	0.0	4.7	1.58	111.5	16.4
S8.001	40.15	17.73	14.106	0.185	0.0	0.0	8.1	1.00	70.9	28.2
S8.002	37.93	19.39	13.690	0.270	0.0	0.0	11.1	1.00	70.9	38.8
S8.003	36.99	20.17	13.280	0.294	0.0	0.0	11.8	1.00	70.9	41.2
S8.004	36.91	20.24	13.086	0.294	0.0	0.0	11.8	2.65	187.1	41.2
S9.000	37.98	19.35	21.180	0.041	0.0	0.0	1.7	0.32	63.4	5.8
S9.001	29.95	27.84	19.342	0.083	0.0	0.0	2.7	0.17	41.5	9.5
S9.002	28.49	30.00	18.840	0.136	0.0	0.0	4.2	0.40	97.6	14.6
S9.003	28.49	30.00	14.670	0.167	0.0	0.0	5.2	2.88	203.7	18.0
S8.005	28.49	30.00	12.793	0.568	0.0	0.0	17.5	2.60	184.0	61.4
S5.003	28.49	30.00	10.328	1.165	0.0	0.0	36.0	2.61	738.5	125.9
S5.004	28.49	30.00	10.043	1.165	0.0	0.0	36.0	1.21	340.9	125.9
S5.005	28.49	30.00	10.013	1.165	0.0	0.0	36.0	1.21	341.5	125.9

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Manhole Schedules for Storm

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
S5	15.860	2.208	Open Manhole	1200	S5.000	13.652	225				
S17	20.860	0.800	Junction		S6.000	20.060	200				
S18	20.800	1.774	Open Manhole	1500	S6.001	19.026	200	S6.000	19.027	200	1
S19	19.320	0.974	Open Manhole	1500	S6.002	18.346	200	S6.001	18.346	200	
S20	16.160	1.044	Open Manhole	1500	S6.003	15.116	300	S6.002	15.116	200	
S1	21.512	0.460	Open Manhole	1200	S7.000	21.052	225				
S2	18.500	1.075	Open Manhole	1200	S7.001	17.425	300	S7.000	17.500	225	
S3	18.500	1.488	Open Manhole	1200	S7.002	17.012	300	S7.001	17.012	300	
S9	15.500	1.834	Open Manhole	1200	S6.004	13.666	300	S6.003	14.625	300	959
								S7.002	13.666	300	
S10	16.000	2.398	Open Manhole	1200	S6.005	13.602	300	S6.004	13.602	300	
S11	15.500	2.525	Open Manhole	1500	S6.006	12.975	500	S6.005	13.175	300	
S6	13.180	1.277	Open Manhole	1500	S5.001	12.499	375	S5.000	12.502	225	
								S6.006	11.903	500	
S13	12.500	1.500	Open Manhole	1500	S5.002	11.000	600	S5.001	11.046	375	
S7	16.450	1.350	Open Manhole	1200	S8.000	15.100	300				
S8	16.200	2.094	Open Manhole	1200	S8.001	14.106	300	S8.000	14.106	300	
S9	15.880	2.190	Open Manhole	1200	S8.002	13.690	300	S8.001	13.690	300	
S10	15.460	2.180	Open Manhole	1200	S8.003	13.280	300	S8.002	13.280	300	
S11	15.640	2.554	Open Manhole	1200	S8.004	13.086	300	S8.003	13.086	300	
S21	21.480	0.300	Junction		S9.000	21.180	200				
S22	19.600	0.258	Junction		S9.001	19.342	220	S9.000	19.342	200	
S23	19.160	0.320	Junction		S9.002	18.840	220	S9.001	18.843	220	3
S24	15.840	1.170	Open Manhole	1500	S9.003	14.670	300	S9.002	15.520	220	700
S17	15.400	2.607	Open Manhole	1200	S8.005	12.793	300	S8.004	12.793	300	
								S9.003	13.381	300	588
S18	15.300	4.972	Open Manhole	1500	S5.003	10.328	600	S5.002	10.803	600	475
								S8.005	10.628	300	
S14	12.100	2.057	Open Manhole	1500	S5.004	10.043	600	S5.003	10.043	600	
S15	12.100	2.087	Open Manhole	1500	S5.005	10.013	600	S5.004	10.013	600	
S	14.000	4.070	Open Manhole	0		OUTFALL		S5.005	9.930	600	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S5	643149.086	265612.210	643149.086	265612.210	Required	
S17	642991.692	265854.514			No Entry	
S18	643028.246	265756.439	643028.246	265756.439	Required	
S19	643075.230	265683.352	643075.230	265683.352	Required	
S20	643143.609	265614.946	643143.609	265614.946	Required	



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Manhole Schedules for Storm

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S1	643003.155	265874.027	643003.155	265874.027	Required	
S2	643036.081	265778.751	643036.081	265778.751	Required	
S3	643084.336	265692.220	643084.336	265692.220	Required	
S9	643149.052	265615.693	643149.052	265615.693	Required	
S10	643140.220	265603.081	643140.220	265603.081	Required	
S11	643150.672	265589.537	643150.672	265589.537	Required	
S6	643187.922	265568.309	643187.922	265568.309	Required	
S13	643222.632	265542.073	643222.632	265542.073	Required	
S7	643016.495	265890.150	643016.495	265890.150	Required	
S8	643042.987	265795.272	643042.987	265795.272	Required	
S9	643090.437	265706.014	643090.437	265706.014	Required	
S10	643153.864	265628.915	643153.864	265628.915	Required	
S11	643188.598	265597.097	643188.598	265597.097	Required	
S21	643043.037	265869.403			No Entry	
S22	643065.689	265790.223			No Entry	
S23	643104.998	265712.378			No Entry	
S24	643166.126	265627.346	643166.126	265627.346	Required	
S17	643196.610	265603.779	643196.610	265603.779	Required	
S18	643264.821	265563.213	643264.821	265563.213	Required	
S14	643268.239	265587.793	643268.239	265587.793	Required	

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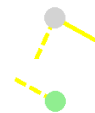
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Manhole Schedules for Storm

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S15	643273.233	265598.831	643273.233	265598.831	Required	
S	643302.458	265582.667			No Entry	



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PIPELINE SCHEDULES for Storm

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S5.000	o	225	S5	15.860	13.652	1.983	Open Manhole	1200
S6.000	5 \	200	S17	20.860	20.060	0.650	Junction	
S6.001	o	200	S18	20.800	19.026	1.624	Open Manhole	1500
S6.002	5 \	200	S19	19.320	18.346	0.824	Open Manhole	1500
S6.003	o	300	S20	16.160	15.116	0.744	Open Manhole	1500
S7.000	o	225	S1	21.512	21.052	0.235	Open Manhole	1200
S7.001	o	300	S2	18.500	17.425	0.775	Open Manhole	1200
S7.002	o	300	S3	18.500	17.012	1.188	Open Manhole	1200
S6.004	o	300	S9	15.500	13.666	1.534	Open Manhole	1200
S6.005	o	300	S10	16.000	13.602	2.098	Open Manhole	1200
S6.006	o	500	S11	15.500	12.975	2.025	Open Manhole	1500
S5.001	o	375	S6	13.180	12.499	0.306	Open Manhole	1500
S5.002	o	600	S13	12.500	11.000	0.900	Open Manhole	1500
S8.000	o	300	S7	16.450	15.100	1.050	Open Manhole	1200
S8.001	o	300	S8	16.200	14.106	1.794	Open Manhole	1200
S8.002	o	300	S9	15.880	13.690	1.890	Open Manhole	1200
S8.003	o	300	S10	15.460	13.280	1.880	Open Manhole	1200
S8.004	o	300	S11	15.640	13.086	2.254	Open Manhole	1200
S9.000	5 \	200	S21	21.480	21.180	0.285	Junction	
S9.001	5 \	220	S22	19.600	19.342	0.108	Junction	
S9.002	5 \	220	S23	19.160	18.840	0.170	Junction	

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S5.000	58.641	51.0	S6	13.180	12.502	0.453	Open Manhole	1500
S6.000	104.851	101.5	S18	20.800	19.027	1.623	Open Manhole	1500
S6.001	87.046	128.0	S19	19.320	18.346	0.824	Open Manhole	1500
S6.002	96.899	30.0	S20	16.160	15.116	0.894	Open Manhole	1500
S6.003	6.387	13.0	S9	15.500	14.625	0.575	Open Manhole	1200
S7.000	100.887	28.4	S2	18.500	17.500	0.775	Open Manhole	1200
S7.001	99.230	240.3	S3	18.500	17.012	1.188	Open Manhole	1200
S7.002	100.380	30.0	S9	15.500	13.666	1.534	Open Manhole	1200
S6.004	15.397	241.9	S10	16.000	13.602	2.098	Open Manhole	1200
S6.005	17.107	40.0	S11	15.500	13.175	2.025	Open Manhole	1500
S6.006	42.874	40.0	S6	13.180	11.903	0.777	Open Manhole	1500
S5.001	43.576	30.0	S13	12.500	11.046	1.079	Open Manhole	1500
S5.002	47.189	239.5	S18	15.300	10.803	3.897	Open Manhole	1500
S8.000	98.734	99.3	S8	16.200	14.106	1.794	Open Manhole	1200
S8.001	101.257	243.6	S9	15.880	13.690	1.890	Open Manhole	1200
S8.002	100.000	243.6	S10	15.460	13.280	1.880	Open Manhole	1200
S8.003	47.129	243.6	S11	15.640	13.086	2.254	Open Manhole	1200
S8.004	10.433	35.5	S17	15.400	12.793	2.307	Open Manhole	1200
S9.000	82.709	45.0	S22	19.600	19.342	0.243	Junction	
S9.001	87.276	175.0	S23	19.160	18.843	0.167	Junction	
S9.002	104.848	31.6	S24	15.840	15.520	0.170	Open Manhole	1500

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PIPELINE SCHEDULES for Storm

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S9.003	o	300	S24	15.840	14.670	0.870	Open Manhole	1500
S8.005	o	300	S17	15.400	12.793	2.307	Open Manhole	1200
S5.003	o	600	S18	15.300	10.328	4.372	Open Manhole	1500
S5.004	o	600	S14	12.100	10.043	1.457	Open Manhole	1500
S5.005	o	600	S15	12.100	10.013	1.487	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S9.003	38.655	30.0	S17	15.400	13.381	1.719	Open Manhole	1200
S8.005	79.477	36.7	S18	15.300	10.628	4.372	Open Manhole	1500
S5.003	24.816	87.0	S14	12.100	10.043	1.457	Open Manhole	1500
S5.004	12.116	403.9	S15	12.100	10.013	1.487	Open Manhole	1500
S5.005	33.397	402.4	S	14.000	9.930	3.470	Open Manhole	0

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Area Summary for Storm

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
5.000	User	-	100	0.026	0.026	0.026
	User	-	25	0.058	0.015	0.041
6.000	User	-	50	0.125	0.062	0.062
6.001	User	-	50	0.111	0.055	0.055
6.002	User	-	50	0.139	0.070	0.070
6.003	-	-	100	0.000	0.000	0.000
7.000	User	-	100	0.059	0.059	0.059
	User	-	26	0.187	0.049	0.108
7.001	User	-	100	0.053	0.053	0.053
	User	-	26	0.168	0.044	0.097
7.002	User	-	100	0.043	0.043	0.043
	User	-	26	0.103	0.027	0.070
6.004	-	-	100	0.000	0.000	0.000
6.005	User	-	50	0.068	0.034	0.034
6.006	-	-	100	0.000	0.000	0.000
5.001	User	-	100	0.025	0.025	0.025
	User	-	50	0.042	0.021	0.046
	User	-	25	0.061	0.015	0.061
5.002	-	-	100	0.000	0.000	0.000
8.000	User	-	100	0.045	0.045	0.045
	User	-	25	0.225	0.056	0.102
8.001	User	-	100	0.037	0.037	0.037
	User	-	25	0.186	0.046	0.084
8.002	User	-	100	0.050	0.050	0.050
	User	-	25	0.139	0.035	0.085
8.003	User	-	100	0.024	0.024	0.024
8.004	-	-	100	0.000	0.000	0.000
9.000	User	-	50	0.081	0.041	0.041
9.001	User	-	50	0.085	0.043	0.043
9.002	User	-	50	0.105	0.052	0.052
9.003	User	-	50	0.040	0.020	0.020
	User	-	25	0.047	0.012	0.032
8.005	User	-	50	0.068	0.034	0.034
	User	-	100	0.041	0.041	0.075
	User	-	25	0.129	0.032	0.107
5.003	-	-	100	0.000	0.000	0.000
5.004	-	-	100	0.000	0.000	0.000
5.005	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				2.570	1.165	1.165

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Network Classifications for Storm

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S5.000	S5	225	0.453	1.983	Unclassified	1200	0	1.983	Unclassified
S6.000	S17	200	0.650	1.623	Unclassified				Junction
S6.001	S18	200	0.824	1.624	Unclassified	1500	0	1.624	Unclassified
S6.002	S19	200	0.824	0.894	Unclassified	1500	0	0.824	Unclassified
S6.003	S20	300	0.575	0.744	Unclassified	1500	0	0.744	Unclassified
S7.000	S1	225	0.235	0.775	Unclassified	1200	0	0.235	Unclassified
S7.001	S2	300	0.775	1.188	Unclassified	1200	0	0.775	Unclassified
S7.002	S3	300	1.188	1.534	Unclassified	1200	0	1.188	Unclassified
S6.004	S9	300	1.534	2.098	Unclassified	1200	0	1.534	Unclassified
S6.005	S10	300	2.025	2.098	Unclassified	1200	0	2.098	Unclassified
S6.006	S11	500	0.777	2.025	Unclassified	1500	0	2.025	Unclassified
S5.001	S6	375	0.306	1.079	Unclassified	1500	0	0.306	Unclassified
S5.002	S13	600	0.900	3.897	Unclassified	1500	0	0.900	Unclassified
S8.000	S7	300	1.050	1.794	Unclassified	1200	0	1.050	Unclassified
S8.001	S8	300	1.794	1.890	Unclassified	1200	0	1.794	Unclassified
S8.002	S9	300	1.880	1.890	Unclassified	1200	0	1.890	Unclassified
S8.003	S10	300	1.880	2.254	Unclassified	1200	0	1.880	Unclassified
S8.004	S11	300	2.254	2.307	Unclassified	1200	0	2.254	Unclassified
S9.000	S21	200	0.243	0.285	Unclassified				Junction
S9.001	S22	220	0.108	0.167	Unclassified				Junction
S9.002	S23	220	0.170	0.170	Unclassified				Junction
S9.003	S24	300	0.870	1.719	Unclassified	1500	0	0.870	Unclassified
S8.005	S17	300	2.307	4.372	Unclassified	1200	0	2.307	Unclassified
S5.003	S18	600	1.457	4.372	Unclassified	1500	0	4.372	Unclassified
S5.004	S14	600	1.457	1.487	Unclassified	1500	0	1.457	Unclassified
S5.005	S15	600	1.487	3.470	Unclassified	1500	0	1.487	Unclassified

Surcharged Outfall Details for Storm

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
S5.005	S	14.000	9.930	0.000	0	0

Datum (m) 11.425 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1	11.090	20	11.090	39	11.090	58	11.090	77	11.090	96	11.090	115	11.090
2	11.090	21	11.090	40	11.090	59	11.090	78	11.090	97	11.090	116	11.090
3	11.090	22	11.090	41	11.090	60	11.090	79	11.090	98	11.090	117	11.090
4	11.090	23	11.090	42	11.090	61	11.090	80	11.090	99	11.090	118	11.090
5	11.090	24	11.090	43	11.090	62	11.090	81	11.090	100	11.090	119	11.090
6	11.090	25	11.090	44	11.090	63	11.090	82	11.090	101	11.090	120	11.090
7	11.090	26	11.090	45	11.090	64	11.090	83	11.090	102	11.090	121	11.090
8	11.090	27	11.090	46	11.090	65	11.090	84	11.090	103	11.090	122	11.090
9	11.090	28	11.090	47	11.090	66	11.090	85	11.090	104	11.090	123	11.090
10	11.090	29	11.090	48	11.090	67	11.090	86	11.090	105	11.090	124	11.090
11	11.090	30	11.090	49	11.090	68	11.090	87	11.090	106	11.090	125	11.090
12	11.090	31	11.090	50	11.090	69	11.090	88	11.090	107	11.090	126	11.090
13	11.090	32	11.090	51	11.090	70	11.090	89	11.090	108	11.090	127	11.090
14	11.090	33	11.090	52	11.090	71	11.090	90	11.090	109	11.090	128	11.090
15	11.090	34	11.090	53	11.090	72	11.090	91	11.090	110	11.090	129	11.090
16	11.090	35	11.090	54	11.090	73	11.090	92	11.090	111	11.090	130	11.090
17	11.090	36	11.090	55	11.090	74	11.090	93	11.090	112	11.090	131	11.090
18	11.090	37	11.090	56	11.090	75	11.090	94	11.090	113	11.090	132	11.090
19	11.090	38	11.090	57	11.090	76	11.090	95	11.090	114	11.090	133	11.090

Sizewell Link Road  
 DCO Design Review  
 SLR-AB-32



Date 28/03/2022

Designed by Daniel James

File SLR-AB-32 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
153	11.090	215	11.090	277	11.090	339	11.090	401	11.090	463	11.090	525	11.090
154	11.090	216	11.090	278	11.090	340	11.090	402	11.090	464	11.090	526	11.090
155	11.090	217	11.090	279	11.090	341	11.090	403	11.090	465	11.090	527	11.090
156	11.090	218	11.090	280	11.090	342	11.090	404	11.090	466	11.090	528	11.090
157	11.090	219	11.090	281	11.090	343	11.090	405	11.090	467	11.090	529	11.090
158	11.090	220	11.090	282	11.090	344	11.090	406	11.090	468	11.090	530	11.090
159	11.090	221	11.090	283	11.090	345	11.090	407	11.090	469	11.090	531	11.090
160	11.090	222	11.090	284	11.090	346	11.090	408	11.090	470	11.090	532	11.090
161	11.090	223	11.090	285	11.090	347	11.090	409	11.090	471	11.090	533	11.090
162	11.090	224	11.090	286	11.090	348	11.090	410	11.090	472	11.090	534	11.090
163	11.090	225	11.090	287	11.090	349	11.090	411	11.090	473	11.090	535	11.090
164	11.090	226	11.090	288	11.090	350	11.090	412	11.090	474	11.090	536	11.090
165	11.090	227	11.090	289	11.090	351	11.090	413	11.090	475	11.090	537	11.090
166	11.090	228	11.090	290	11.090	352	11.090	414	11.090	476	11.090	538	11.090
167	11.090	229	11.090	291	11.090	353	11.090	415	11.090	477	11.090	539	11.090
168	11.090	230	11.090	292	11.090	354	11.090	416	11.090	478	11.090	540	11.090
169	11.090	231	11.090	293	11.090	355	11.090	417	11.090	479	11.090	541	11.090
170	11.090	232	11.090	294	11.090	356	11.090	418	11.090	480	11.090	542	11.090
171	11.090	233	11.090	295	11.090	357	11.090	419	11.090	481	11.090	543	11.090
172	11.090	234	11.090	296	11.090	358	11.090	420	11.090	482	11.090	544	11.090
173	11.090	235	11.090	297	11.090	359	11.090	421	11.090	483	11.090	545	11.090
174	11.090	236	11.090	298	11.090	360	11.090	422	11.090	484	11.090	546	11.090
175	11.090	237	11.090	299	11.090	361	11.090	423	11.090	485	11.090	547	11.090
176	11.090	238	11.090	300	11.090	362	11.090	424	11.090	486	11.090	548	11.090
177	11.090	239	11.090	301	11.090	363	11.090	425	11.090	487	11.090	549	11.090
178	11.090	240	11.090	302	11.090	364	11.090	426	11.090	488	11.090	550	11.090
179	11.090	241	11.090	303	11.090	365	11.090	427	11.090	489	11.090	551	11.090
180	11.090	242	11.090	304	11.090	366	11.090	428	11.090	490	11.090	552	11.090
181	11.090	243	11.090	305	11.090	367	11.090	429	11.090	491	11.090	553	11.090
182	11.090	244	11.090	306	11.090	368	11.090	430	11.090	492	11.090	554	11.090
183	11.090	245	11.090	307	11.090	369	11.090	431	11.090	493	11.090	555	11.090
184	11.090	246	11.090	308	11.090	370	11.090	432	11.090	494	11.090	556	11.090
185	11.090	247	11.090	309	11.090	371	11.090	433	11.090	495	11.090	557	11.090
186	11.090	248	11.090	310	11.090	372	11.090	434	11.090	496	11.090	558	11.090
187	11.090	249	11.090	311	11.090	373	11.090	435	11.090	497	11.090	559	11.090
188	11.090	250	11.090	312	11.090	374	11.090	436	11.090	498	11.090	560	11.090
189	11.090	251	11.090	313	11.090	375	11.090	437	11.090	499	11.090	561	11.090
190	11.090	252	11.090	314	11.090	376	11.090	438	11.090	500	11.090	562	11.090
191	11.090	253	11.090	315	11.090	377	11.090	439	11.090	501	11.090	563	11.090
192	11.090	254	11.090	316	11.090	378	11.090	440	11.090	502	11.090	564	11.090
193	11.090	255	11.090	317	11.090	379	11.090	441	11.090	503	11.090	565	11.090
194	11.090	256	11.090	318	11.090	380	11.090	442	11.090	504	11.090	566	11.090
195	11.090	257	11.090	319	11.090	381	11.090	443	11.090	505	11.090	567	11.090
196	11.090	258	11.090	320	11.090	382	11.090	444	11.090	506	11.090	568	11.090
197	11.090	259	11.090	321	11.090	383	11.090	445	11.090	507	11.090	569	11.090
198	11.090	260	11.090	322	11.090	384	11.090	446	11.090	508	11.090	570	11.090
199	11.090	261	11.090	323	11.090	385	11.090	447	11.090	509	11.090	571	11.090
200	11.090	262	11.090	324	11.090	386	11.090	448	11.090	510	11.090	572	11.090
201	11.090	263	11.090	325	11.090	387	11.090	449	11.090	511	11.090	573	11.090
202	11.090	264	11.090	326	11.090	388	11.090	450	11.090	512	11.090	574	11.090
203	11.090	265	11.090	327	11.090	389	11.090	451	11.090	513	11.090	575	11.090
204	11.090	266	11.090	328	11.090	390	11.090	452	11.090	514	11.090	576	11.090
205	11.090	267	11.090	329	11.090	391	11.090	453	11.090	515	11.090	577	11.090
206	11.090	268	11.090	330	11.090	392	11.090	454	11.090	516	11.090	578	11.090
207	11.090	269	11.090	331	11.090	393	11.090	455	11.090	517	11.090	579	11.090
208	11.090	270	11.090	332	11.090	394	11.090	456	11.090	518	11.090	580	11.090
209	11.090	271	11.090	333	11.090	395	11.090	457	11.090	519	11.090	581	11.090
210	11.090	272	11.090	334	11.090	396	11.090	458	11.090	520	11.090	582	11.090
211	11.090	273	11.090	335	11.090	397	11.090	459	11.090	521	11.090	583	11.090
212	11.090	274	11.090	336	11.090	398	11.090	460	11.090	522	11.090	584	11.090
213	11.090	275	11.090	337	11.090	399	11.090	461	11.090	523	11.090	585	11.090
214	11.090	276	11.090	338	11.090	400	11.090	462	11.090	524	11.090	586	11.090



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Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
649	11.090	711	11.090	773	11.090	835	11.090	897	11.090	959	11.090	1021	11.090
650	11.090	712	11.090	774	11.090	836	11.090	898	11.090	960	11.090	1022	11.090
651	11.090	713	11.090	775	11.090	837	11.090	899	11.090	961	11.090	1023	11.090
652	11.090	714	11.090	776	11.090	838	11.090	900	11.090	962	11.090	1024	11.090
653	11.090	715	11.090	777	11.090	839	11.090	901	11.090	963	11.090	1025	11.090
654	11.090	716	11.090	778	11.090	840	11.090	902	11.090	964	11.090	1026	11.090
655	11.090	717	11.090	779	11.090	841	11.090	903	11.090	965	11.090	1027	11.090
656	11.090	718	11.090	780	11.090	842	11.090	904	11.090	966	11.090	1028	11.090
657	11.090	719	11.090	781	11.090	843	11.090	905	11.090	967	11.090	1029	11.090
658	11.090	720	11.090	782	11.090	844	11.090	906	11.090	968	11.090	1030	11.090
659	11.090	721	11.090	783	11.090	845	11.090	907	11.090	969	11.090	1031	11.090
660	11.090	722	11.090	784	11.090	846	11.090	908	11.090	970	11.090	1032	11.090
661	11.090	723	11.090	785	11.090	847	11.090	909	11.090	971	11.090	1033	11.090
662	11.090	724	11.090	786	11.090	848	11.090	910	11.090	972	11.090	1034	11.090
663	11.090	725	11.090	787	11.090	849	11.090	911	11.090	973	11.090	1035	11.090
664	11.090	726	11.090	788	11.090	850	11.090	912	11.090	974	11.090	1036	11.090
665	11.090	727	11.090	789	11.090	851	11.090	913	11.090	975	11.090	1037	11.090
666	11.090	728	11.090	790	11.090	852	11.090	914	11.090	976	11.090	1038	11.090
667	11.090	729	11.090	791	11.090	853	11.090	915	11.090	977	11.090	1039	11.090
668	11.090	730	11.090	792	11.090	854	11.090	916	11.090	978	11.090	1040	11.090
669	11.090	731	11.090	793	11.090	855	11.090	917	11.090	979	11.090	1041	11.090
670	11.090	732	11.090	794	11.090	856	11.090	918	11.090	980	11.090	1042	11.090
671	11.090	733	11.090	795	11.090	857	11.090	919	11.090	981	11.090	1043	11.090
672	11.090	734	11.090	796	11.090	858	11.090	920	11.090	982	11.090	1044	11.090
673	11.090	735	11.090	797	11.090	859	11.090	921	11.090	983	11.090	1045	11.090
674	11.090	736	11.090	798	11.090	860	11.090	922	11.090	984	11.090	1046	11.090
675	11.090	737	11.090	799	11.090	861	11.090	923	11.090	985	11.090	1047	11.090
676	11.090	738	11.090	800	11.090	862	11.090	924	11.090	986	11.090	1048	11.090
677	11.090	739	11.090	801	11.090	863	11.090	925	11.090	987	11.090	1049	11.090
678	11.090	740	11.090	802	11.090	864	11.090	926	11.090	988	11.090	1050	11.090
679	11.090	741	11.090	803	11.090	865	11.090	927	11.090	989	11.090	1051	11.090
680	11.090	742	11.090	804	11.090	866	11.090	928	11.090	990	11.090	1052	11.090
681	11.090	743	11.090	805	11.090	867	11.090	929	11.090	991	11.090	1053	11.090
682	11.090	744	11.090	806	11.090	868	11.090	930	11.090	992	11.090	1054	11.090
683	11.090	745	11.090	807	11.090	869	11.090	931	11.090	993	11.090	1055	11.090
684	11.090	746	11.090	808	11.090	870	11.090	932	11.090	994	11.090	1056	11.090
685	11.090	747	11.090	809	11.090	871	11.090	933	11.090	995	11.090	1057	11.090
686	11.090	748	11.090	810	11.090	872	11.090	934	11.090	996	11.090	1058	11.090
687	11.090	749	11.090	811	11.090	873	11.090	935	11.090	997	11.090	1059	11.090
688	11.090	750	11.090	812	11.090	874	11.090	936	11.090	998	11.090	1060	11.090
689	11.090	751	11.090	813	11.090	875	11.090	937	11.090	999	11.090	1061	11.090
690	11.090	752	11.090	814	11.090	876	11.090	938	11.090	1000	11.090	1062	11.090
691	11.090	753	11.090	815	11.090	877	11.090	939	11.090	1001	11.090	1063	11.090
692	11.090	754	11.090	816	11.090	878	11.090	940	11.090	1002	11.090	1064	11.090
693	11.090	755	11.090	817	11.090	879	11.090	941	11.090	1003	11.090	1065	11.090
694	11.090	756	11.090	818	11.090	880	11.090	942	11.090	1004	11.090	1066	11.090
695	11.090	757	11.090	819	11.090	881	11.090	943	11.090	1005	11.090	1067	11.090
696	11.090	758	11.090	820	11.090	882	11.090	944	11.090	1006	11.090	1068	11.090
697	11.090	759	11.090	821	11.090	883	11.090	945	11.090	1007	11.090	1069	11.090
698	11.090	760	11.090	822	11.090	884	11.090	946	11.090	1008	11.090	1070	11.090
699	11.090	761	11.090	823	11.090	885	11.090	947	11.090	1009	11.090	1071	11.090
700	11.090	762	11.090	824	11.090	886	11.090	948	11.090	1010	11.090	1072	11.090
701	11.090	763	11.090	825	11.090	887	11.090	949	11.090	1011	11.090	1073	11.090
702	11.090	764	11.090	826	11.090	888	11.090	950	11.090	1012	11.090	1074	11.090
703	11.090	765	11.090	827	11.090	889	11.090	951	11.090	1013	11.090	1075	11.090
704	11.090	766	11.090	828	11.090	890	11.090	952	11.090	1014	11.090	1076	11.090
705	11.090	767	11.090	829	11.090	891	11.090	953	11.090	1015	11.090	1077	11.090
706	11.090	768	11.090	830	11.090	892	11.090	954	11.090	1016	11.090	1078	11.090
707	11.090	769	11.090	831	11.090	893	11.090	955	11.090	1017	11.090	1079	11.090
708	11.090	770	11.090	832	11.090	894	11.090	956	11.090	1018	11.090	1080	11.090
709	11.090	771	11.090	833	11.090	895	11.090	957	11.090	1019	11.090	1081	11.090
710	11.090	772	11.090	834	11.090	896	11.090	958	11.090	1020	11.090	1082	11.090

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1145	11.090	1207	11.090	1269	11.090	1331	11.090	1393	11.090	1455	11.090	1517	11.090
1146	11.090	1208	11.090	1270	11.090	1332	11.090	1394	11.090	1456	11.090	1518	11.090
1147	11.090	1209	11.090	1271	11.090	1333	11.090	1395	11.090	1457	11.090	1519	11.090
1148	11.090	1210	11.090	1272	11.090	1334	11.090	1396	11.090	1458	11.090	1520	11.090
1149	11.090	1211	11.090	1273	11.090	1335	11.090	1397	11.090	1459	11.090	1521	11.090
1150	11.090	1212	11.090	1274	11.090	1336	11.090	1398	11.090	1460	11.090	1522	11.090
1151	11.090	1213	11.090	1275	11.090	1337	11.090	1399	11.090	1461	11.090	1523	11.090
1152	11.090	1214	11.090	1276	11.090	1338	11.090	1400	11.090	1462	11.090	1524	11.090
1153	11.090	1215	11.090	1277	11.090	1339	11.090	1401	11.090	1463	11.090	1525	11.090
1154	11.090	1216	11.090	1278	11.090	1340	11.090	1402	11.090	1464	11.090	1526	11.090
1155	11.090	1217	11.090	1279	11.090	1341	11.090	1403	11.090	1465	11.090	1527	11.090
1156	11.090	1218	11.090	1280	11.090	1342	11.090	1404	11.090	1466	11.090	1528	11.090
1157	11.090	1219	11.090	1281	11.090	1343	11.090	1405	11.090	1467	11.090	1529	11.090
1158	11.090	1220	11.090	1282	11.090	1344	11.090	1406	11.090	1468	11.090	1530	11.090
1159	11.090	1221	11.090	1283	11.090	1345	11.090	1407	11.090	1469	11.090	1531	11.090
1160	11.090	1222	11.090	1284	11.090	1346	11.090	1408	11.090	1470	11.090	1532	11.090
1161	11.090	1223	11.090	1285	11.090	1347	11.090	1409	11.090	1471	11.090	1533	11.090
1162	11.090	1224	11.090	1286	11.090	1348	11.090	1410	11.090	1472	11.090	1534	11.090
1163	11.090	1225	11.090	1287	11.090	1349	11.090	1411	11.090	1473	11.090	1535	11.090
1164	11.090	1226	11.090	1288	11.090	1350	11.090	1412	11.090	1474	11.090	1536	11.090
1165	11.090	1227	11.090	1289	11.090	1351	11.090	1413	11.090	1475	11.090	1537	11.090
1166	11.090	1228	11.090	1290	11.090	1352	11.090	1414	11.090	1476	11.090	1538	11.090
1167	11.090	1229	11.090	1291	11.090	1353	11.090	1415	11.090	1477	11.090	1539	11.090
1168	11.090	1230	11.090	1292	11.090	1354	11.090	1416	11.090	1478	11.090	1540	11.090
1169	11.090	1231	11.090	1293	11.090	1355	11.090	1417	11.090	1479	11.090	1541	11.090
1170	11.090	1232	11.090	1294	11.090	1356	11.090	1418	11.090	1480	11.090	1542	11.090
1171	11.090	1233	11.090	1295	11.090	1357	11.090	1419	11.090	1481	11.090	1543	11.090
1172	11.090	1234	11.090	1296	11.090	1358	11.090	1420	11.090	1482	11.090	1544	11.090
1173	11.090	1235	11.090	1297	11.090	1359	11.090	1421	11.090	1483	11.090	1545	11.090
1174	11.090	1236	11.090	1298	11.090	1360	11.090	1422	11.090	1484	11.090	1546	11.090
1175	11.090	1237	11.090	1299	11.090	1361	11.090	1423	11.090	1485	11.090	1547	11.090
1176	11.090	1238	11.090	1300	11.090	1362	11.090	1424	11.090	1486	11.090	1548	11.090
1177	11.090	1239	11.090	1301	11.090	1363	11.090	1425	11.090	1487	11.090	1549	11.090
1178	11.090	1240	11.090	1302	11.090	1364	11.090	1426	11.090	1488	11.090	1550	11.090
1179	11.090	1241	11.090	1303	11.090	1365	11.090	1427	11.090	1489	11.090	1551	11.090
1180	11.090	1242	11.090	1304	11.090	1366	11.090	1428	11.090	1490	11.090	1552	11.090
1181	11.090	1243	11.090	1305	11.090	1367	11.090	1429	11.090	1491	11.090	1553	11.090
1182	11.090	1244	11.090	1306	11.090	1368	11.090	1430	11.090	1492	11.090	1554	11.090
1183	11.090	1245	11.090	1307	11.090	1369	11.090	1431	11.090	1493	11.090	1555	11.090
1184	11.090	1246	11.090	1308	11.090	1370	11.090	1432	11.090	1494	11.090	1556	11.090
1185	11.090	1247	11.090	1309	11.090	1371	11.090	1433	11.090	1495	11.090	1557	11.090
1186	11.090	1248	11.090	1310	11.090	1372	11.090	1434	11.090	1496	11.090	1558	11.090
1187	11.090	1249	11.090	1311	11.090	1373	11.090	1435	11.090	1497	11.090	1559	11.090
1188	11.090	1250	11.090	1312	11.090	1374	11.090	1436	11.090	1498	11.090	1560	11.090
1189	11.090	1251	11.090	1313	11.090	1375	11.090	1437	11.090	1499	11.090	1561	11.090
1190	11.090	1252	11.090	1314	11.090	1376	11.090	1438	11.090	1500	11.090	1562	11.090
1191	11.090	1253	11.090	1315	11.090	1377	11.090	1439	11.090	1501	11.090	1563	11.090
1192	11.090	1254	11.090	1316	11.090	1378	11.090	1440	11.090	1502	11.090	1564	11.090
1193	11.090	1255	11.090	1317	11.090	1379	11.090	1441	11.090	1503	11.090	1565	11.090
1194	11.090	1256	11.090	1318	11.090	1380	11.090	1442	11.090	1504	11.090	1566	11.090
1195	11.090	1257	11.090	1319	11.090	1381	11.090	1443	11.090	1505	11.090	1567	11.090
1196	11.090	1258	11.090	1320	11.090	1382	11.090	1444	11.090	1506	11.090	1568	11.090
1197	11.090	1259	11.090	1321	11.090	1383	11.090	1445	11.090	1507	11.090	1569	11.090
1198	11.090	1260	11.090	1322	11.090	1384	11.090	1446	11.090	1508	11.090	1570	11.090
1199	11.090	1261	11.090	1323	11.090	1385	11.090	1447	11.090	1509	11.090	1571	11.090
1200	11.090	1262	11.090	1324	11.090	1386	11.090	1448	11.090	1510	11.090	1572	11.090
1201	11.090	1263	11.090	1325	11.090	1387	11.090	1449	11.090	1511	11.090	1573	11.090
1202	11.090	1264	11.090	1326	11.090	1388	11.090	1450	11.090	1512	11.090	1574	11.090
1203	11.090	1265	11.090	1327	11.090	1389	11.090	1451	11.090	1513	11.090	1575	11.090
1204	11.090	1266	11.090	1328	11.090	1390	11.090	1452	11.090	1514	11.090	1576	11.090
1205	11.090	1267	11.090	1329	11.090	1391	11.090	1453	11.090	1515	11.090	1577	11.090
1206	11.090	1268	11.090	1330	11.090	1392	11.090	1454	11.090	1516	11.090	1578	11.090

Sizewell Link Road  
DCO Design Review  
SLR-AB-32



Date 28/03/2022

Designed by Daniel James

File SLR-AB-32 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1641	11.090	1703	11.090	1765	11.090	1827	11.090	1889	11.090	1951	11.090	2013	11.090
1642	11.090	1704	11.090	1766	11.090	1828	11.090	1890	11.090	1952	11.090	2014	11.090
1643	11.090	1705	11.090	1767	11.090	1829	11.090	1891	11.090	1953	11.090	2015	11.090
1644	11.090	1706	11.090	1768	11.090	1830	11.090	1892	11.090	1954	11.090	2016	11.090
1645	11.090	1707	11.090	1769	11.090	1831	11.090	1893	11.090	1955	11.090	2017	11.090
1646	11.090	1708	11.090	1770	11.090	1832	11.090	1894	11.090	1956	11.090	2018	11.090
1647	11.090	1709	11.090	1771	11.090	1833	11.090	1895	11.090	1957	11.090	2019	11.090
1648	11.090	1710	11.090	1772	11.090	1834	11.090	1896	11.090	1958	11.090	2020	11.090
1649	11.090	1711	11.090	1773	11.090	1835	11.090	1897	11.090	1959	11.090	2021	11.090
1650	11.090	1712	11.090	1774	11.090	1836	11.090	1898	11.090	1960	11.090	2022	11.090
1651	11.090	1713	11.090	1775	11.090	1837	11.090	1899	11.090	1961	11.090	2023	11.090
1652	11.090	1714	11.090	1776	11.090	1838	11.090	1900	11.090	1962	11.090	2024	11.090
1653	11.090	1715	11.090	1777	11.090	1839	11.090	1901	11.090	1963	11.090	2025	11.090
1654	11.090	1716	11.090	1778	11.090	1840	11.090	1902	11.090	1964	11.090	2026	11.090
1655	11.090	1717	11.090	1779	11.090	1841	11.090	1903	11.090	1965	11.090	2027	11.090
1656	11.090	1718	11.090	1780	11.090	1842	11.090	1904	11.090	1966	11.090	2028	11.090
1657	11.090	1719	11.090	1781	11.090	1843	11.090	1905	11.090	1967	11.090	2029	11.090
1658	11.090	1720	11.090	1782	11.090	1844	11.090	1906	11.090	1968	11.090	2030	11.090
1659	11.090	1721	11.090	1783	11.090	1845	11.090	1907	11.090	1969	11.090	2031	11.090
1660	11.090	1722	11.090	1784	11.090	1846	11.090	1908	11.090	1970	11.090	2032	11.090
1661	11.090	1723	11.090	1785	11.090	1847	11.090	1909	11.090	1971	11.090	2033	11.090
1662	11.090	1724	11.090	1786	11.090	1848	11.090	1910	11.090	1972	11.090	2034	11.090
1663	11.090	1725	11.090	1787	11.090	1849	11.090	1911	11.090	1973	11.090	2035	11.090
1664	11.090	1726	11.090	1788	11.090	1850	11.090	1912	11.090	1974	11.090	2036	11.090
1665	11.090	1727	11.090	1789	11.090	1851	11.090	1913	11.090	1975	11.090	2037	11.090
1666	11.090	1728	11.090	1790	11.090	1852	11.090	1914	11.090	1976	11.090	2038	11.090
1667	11.090	1729	11.090	1791	11.090	1853	11.090	1915	11.090	1977	11.090	2039	11.090
1668	11.090	1730	11.090	1792	11.090	1854	11.090	1916	11.090	1978	11.090	2040	11.090
1669	11.090	1731	11.090	1793	11.090	1855	11.090	1917	11.090	1979	11.090	2041	11.090
1670	11.090	1732	11.090	1794	11.090	1856	11.090	1918	11.090	1980	11.090	2042	11.090
1671	11.090	1733	11.090	1795	11.090	1857	11.090	1919	11.090	1981	11.090	2043	11.090
1672	11.090	1734	11.090	1796	11.090	1858	11.090	1920	11.090	1982	11.090	2044	11.090
1673	11.090	1735	11.090	1797	11.090	1859	11.090	1921	11.090	1983	11.090	2045	11.090
1674	11.090	1736	11.090	1798	11.090	1860	11.090	1922	11.090	1984	11.090	2046	11.090
1675	11.090	1737	11.090	1799	11.090	1861	11.090	1923	11.090	1985	11.090	2047	11.090
1676	11.090	1738	11.090	1800	11.090	1862	11.090	1924	11.090	1986	11.090	2048	11.090
1677	11.090	1739	11.090	1801	11.090	1863	11.090	1925	11.090	1987	11.090	2049	11.090
1678	11.090	1740	11.090	1802	11.090	1864	11.090	1926	11.090	1988	11.090	2050	11.090
1679	11.090	1741	11.090	1803	11.090	1865	11.090	1927	11.090	1989	11.090	2051	11.090
1680	11.090	1742	11.090	1804	11.090	1866	11.090	1928	11.090	1990	11.090	2052	11.090
1681	11.090	1743	11.090	1805	11.090	1867	11.090	1929	11.090	1991	11.090	2053	11.090
1682	11.090	1744	11.090	1806	11.090	1868	11.090	1930	11.090	1992	11.090	2054	11.090
1683	11.090	1745	11.090	1807	11.090	1869	11.090	1931	11.090	1993	11.090	2055	11.090
1684	11.090	1746	11.090	1808	11.090	1870	11.090	1932	11.090	1994	11.090	2056	11.090
1685	11.090	1747	11.090	1809	11.090	1871	11.090	1933	11.090	1995	11.090	2057	11.090
1686	11.090	1748	11.090	1810	11.090	1872	11.090	1934	11.090	1996	11.090	2058	11.090
1687	11.090	1749	11.090	1811	11.090	1873	11.090	1935	11.090	1997	11.090	2059	11.090
1688	11.090	1750	11.090	1812	11.090	1874	11.090	1936	11.090	1998	11.090	2060	11.090
1689	11.090	1751	11.090	1813	11.090	1875	11.090	1937	11.090	1999	11.090	2061	11.090
1690	11.090	1752	11.090	1814	11.090	1876	11.090	1938	11.090	2000	11.090	2062	11.090
1691	11.090	1753	11.090	1815	11.090	1877	11.090	1939	11.090	2001	11.090	2063	11.090
1692	11.090	1754	11.090	1816	11.090	1878	11.090	1940	11.090	2002	11.090	2064	11.090
1693	11.090	1755	11.090	1817	11.090	1879	11.090	1941	11.090	2003	11.090	2065	11.090
1694	11.090	1756	11.090	1818	11.090	1880	11.090	1942	11.090	2004	11.090	2066	11.090
1695	11.090	1757	11.090	1819	11.090	1881	11.090	1943	11.090	2005	11.090	2067	11.090
1696	11.090	1758	11.090	1820	11.090	1882	11.090	1944	11.090	2006	11.090	2068	11.090
1697	11.090	1759	11.090	1821	11.090	1883	11.090	1945	11.090	2007	11.090	2069	11.090
1698	11.090	1760	11.090	1822	11.090	1884	11.090	1946	11.090	2008	11.090	2070	11.090
1699	11.090	1761	11.090	1823	11.090	1885	11.090	1947	11.090	2009	11.090	2071	11.090
1700	11.090	1762	11.090	1824	11.090	1886	11.090	1948	11.090	2010	11.090	2072	11.090
1701	11.090	1763	11.090	1825	11.090	1887	11.090	1949	11.090	2011	11.090	2073	11.090
1702	11.090	1764	11.090	1826	11.090	1888	11.090	1950	11.090	2012	11.090	2074	11.090



































Sizewell Link Road  
DCO Design Review  
SLR-AB-32



Date 28/03/2022

Designed by Daniel James

File SLR-AB-32 surcharged.MDX

Checked by Derek Lord

XP Solutions

Network 2019.1

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
8585	11.090	8647	11.090	8709	11.090	8771	11.090	8833	11.090	8895	11.090	8957	11.090
8586	11.090	8648	11.090	8710	11.090	8772	11.090	8834	11.090	8896	11.090	8958	11.090
8587	11.090	8649	11.090	8711	11.090	8773	11.090	8835	11.090	8897	11.090	8959	11.090
8588	11.090	8650	11.090	8712	11.090	8774	11.090	8836	11.090	8898	11.090	8960	11.090
8589	11.090	8651	11.090	8713	11.090	8775	11.090	8837	11.090	8899	11.090	8961	11.090
8590	11.090	8652	11.090	8714	11.090	8776	11.090	8838	11.090	8900	11.090	8962	11.090
8591	11.090	8653	11.090	8715	11.090	8777	11.090	8839	11.090	8901	11.090	8963	11.090
8592	11.090	8654	11.090	8716	11.090	8778	11.090	8840	11.090	8902	11.090	8964	11.090
8593	11.090	8655	11.090	8717	11.090	8779	11.090	8841	11.090	8903	11.090	8965	11.090
8594	11.090	8656	11.090	8718	11.090	8780	11.090	8842	11.090	8904	11.090	8966	11.090
8595	11.090	8657	11.090	8719	11.090	8781	11.090	8843	11.090	8905	11.090	8967	11.090
8596	11.090	8658	11.090	8720	11.090	8782	11.090	8844	11.090	8906	11.090	8968	11.090
8597	11.090	8659	11.090	8721	11.090	8783	11.090	8845	11.090	8907	11.090	8969	11.090
8598	11.090	8660	11.090	8722	11.090	8784	11.090	8846	11.090	8908	11.090	8970	11.090
8599	11.090	8661	11.090	8723	11.090	8785	11.090	8847	11.090	8909	11.090	8971	11.090
8600	11.090	8662	11.090	8724	11.090	8786	11.090	8848	11.090	8910	11.090	8972	11.090
8601	11.090	8663	11.090	8725	11.090	8787	11.090	8849	11.090	8911	11.090	8973	11.090
8602	11.090	8664	11.090	8726	11.090	8788	11.090	8850	11.090	8912	11.090	8974	11.090
8603	11.090	8665	11.090	8727	11.090	8789	11.090	8851	11.090	8913	11.090	8975	11.090
8604	11.090	8666	11.090	8728	11.090	8790	11.090	8852	11.090	8914	11.090	8976	11.090
8605	11.090	8667	11.090	8729	11.090	8791	11.090	8853	11.090	8915	11.090	8977	11.090
8606	11.090	8668	11.090	8730	11.090	8792	11.090	8854	11.090	8916	11.090	8978	11.090
8607	11.090	8669	11.090	8731	11.090	8793	11.090	8855	11.090	8917	11.090	8979	11.090
8608	11.090	8670	11.090	8732	11.090	8794	11.090	8856	11.090	8918	11.090	8980	11.090
8609	11.090	8671	11.090	8733	11.090	8795	11.090	8857	11.090	8919	11.090	8981	11.090
8610	11.090	8672	11.090	8734	11.090	8796	11.090	8858	11.090	8920	11.090	8982	11.090
8611	11.090	8673	11.090	8735	11.090	8797	11.090	8859	11.090	8921	11.090	8983	11.090
8612	11.090	8674	11.090	8736	11.090	8798	11.090	8860	11.090	8922	11.090	8984	11.090
8613	11.090	8675	11.090	8737	11.090	8799	11.090	8861	11.090	8923	11.090	8985	11.090
8614	11.090	8676	11.090	8738	11.090	8800	11.090	8862	11.090	8924	11.090	8986	11.090
8615	11.090	8677	11.090	8739	11.090	8801	11.090	8863	11.090	8925	11.090	8987	11.090
8616	11.090	8678	11.090	8740	11.090	8802	11.090	8864	11.090	8926	11.090	8988	11.090
8617	11.090	8679	11.090	8741	11.090	8803	11.090	8865	11.090	8927	11.090	8989	11.090
8618	11.090	8680	11.090	8742	11.090	8804	11.090	8866	11.090	8928	11.090	8990	11.090
8619	11.090	8681	11.090	8743	11.090	8805	11.090	8867	11.090	8929	11.090	8991	11.090
8620	11.090	8682	11.090	8744	11.090	8806	11.090	8868	11.090	8930	11.090	8992	11.090
8621	11.090	8683	11.090	8745	11.090	8807	11.090	8869	11.090	8931	11.090	8993	11.090
8622	11.090	8684	11.090	8746	11.090	8808	11.090	8870	11.090	8932	11.090	8994	11.090
8623	11.090	8685	11.090	8747	11.090	8809	11.090	8871	11.090	8933	11.090	8995	11.090
8624	11.090	8686	11.090	8748	11.090	8810	11.090	8872	11.090	8934	11.090	8996	11.090
8625	11.090	8687	11.090	8749	11.090	8811	11.090	8873	11.090	8935	11.090	8997	11.090
8626	11.090	8688	11.090	8750	11.090	8812	11.090	8874	11.090	8936	11.090	8998	11.090
8627	11.090	8689	11.090	8751	11.090	8813	11.090	8875	11.090	8937	11.090	8999	11.090
8628	11.090	8690	11.090	8752	11.090	8814	11.090	8876	11.090	8938	11.090	9000	11.090
8629	11.090	8691	11.090	8753	11.090	8815	11.090	8877	11.090	8939	11.090	9001	11.090
8630	11.090	8692	11.090	8754	11.090	8816	11.090	8878	11.090	8940	11.090	9002	11.090
8631	11.090	8693	11.090	8755	11.090	8817	11.090	8879	11.090	8941	11.090	9003	11.090
8632	11.090	8694	11.090	8756	11.090	8818	11.090	8880	11.090	8942	11.090	9004	11.090
8633	11.090	8695	11.090	8757	11.090	8819	11.090	8881	11.090	8943	11.090	9005	11.090
8634	11.090	8696	11.090	8758	11.090	8820	11.090	8882	11.090	8944	11.090	9006	11.090
8635	11.090	8697	11.090	8759	11.090	8821	11.090	8883	11.090	8945	11.090	9007	11.090
8636	11.090	8698	11.090	8760	11.090	8822	11.090	8884	11.090	8946	11.090	9008	11.090
8637	11.090	8699	11.090	8761	11.090	8823	11.090	8885	11.090	8947	11.090	9009	11.090
8638	11.090	8700	11.090	8762	11.090	8824	11.090	8886	11.090	8948	11.090	9010	11.090
8639	11.090	8701	11.090	8763	11.090	8825	11.090	8887	11.090	8949	11.090	9011	11.090
8640	11.090	8702	11.090	8764	11.090	8826	11.090	8888	11.090	8950	11.090	9012	11.090
8641	11.090	8703	11.090	8765	11.090	8827	11.090	8889	11.090	8951	11.090	9013	11.090
8642	11.090	8704	11.090	8766	11.090	8828	11.090	8890	11.090	8952	11.090	9014	11.090
8643	11.090	8705	11.090	8767	11.090	8829	11.090	8891	11.090	8953	11.090	9015	11.090
8644	11.090	8706	11.090	8768	11.090	8830	11.090	8892	11.090	8954	11.090	9016	11.090
8645	11.090	8707	11.090	8769	11.090	8831	11.090	8893	11.090	8955	11.090	9017	11.090
8646	11.090	8708	11.090	8770	11.090	8832	11.090	8894	11.090	8956	11.090	9018	11.090



Sizewell Link Road  
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Date 28/03/2022

Designed by Daniel James

File SLR-AB-32 surcharged.MDX

Checked by Derek Lord

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
9577	11.090	9639	11.090	9701	11.090	9763	11.090	9825	11.090	9887	11.090	9949	11.090
9578	11.090	9640	11.090	9702	11.090	9764	11.090	9826	11.090	9888	11.090	9950	11.090
9579	11.090	9641	11.090	9703	11.090	9765	11.090	9827	11.090	9889	11.090	9951	11.090
9580	11.090	9642	11.090	9704	11.090	9766	11.090	9828	11.090	9890	11.090	9952	11.090
9581	11.090	9643	11.090	9705	11.090	9767	11.090	9829	11.090	9891	11.090	9953	11.090
9582	11.090	9644	11.090	9706	11.090	9768	11.090	9830	11.090	9892	11.090	9954	11.090
9583	11.090	9645	11.090	9707	11.090	9769	11.090	9831	11.090	9893	11.090	9955	11.090
9584	11.090	9646	11.090	9708	11.090	9770	11.090	9832	11.090	9894	11.090	9956	11.090
9585	11.090	9647	11.090	9709	11.090	9771	11.090	9833	11.090	9895	11.090	9957	11.090
9586	11.090	9648	11.090	9710	11.090	9772	11.090	9834	11.090	9896	11.090	9958	11.090
9587	11.090	9649	11.090	9711	11.090	9773	11.090	9835	11.090	9897	11.090	9959	11.090
9588	11.090	9650	11.090	9712	11.090	9774	11.090	9836	11.090	9898	11.090	9960	11.090
9589	11.090	9651	11.090	9713	11.090	9775	11.090	9837	11.090	9899	11.090	9961	11.090
9590	11.090	9652	11.090	9714	11.090	9776	11.090	9838	11.090	9900	11.090	9962	11.090
9591	11.090	9653	11.090	9715	11.090	9777	11.090	9839	11.090	9901	11.090	9963	11.090
9592	11.090	9654	11.090	9716	11.090	9778	11.090	9840	11.090	9902	11.090	9964	11.090
9593	11.090	9655	11.090	9717	11.090	9779	11.090	9841	11.090	9903	11.090	9965	11.090
9594	11.090	9656	11.090	9718	11.090	9780	11.090	9842	11.090	9904	11.090	9966	11.090
9595	11.090	9657	11.090	9719	11.090	9781	11.090	9843	11.090	9905	11.090	9967	11.090
9596	11.090	9658	11.090	9720	11.090	9782	11.090	9844	11.090	9906	11.090	9968	11.090
9597	11.090	9659	11.090	9721	11.090	9783	11.090	9845	11.090	9907	11.090	9969	11.090
9598	11.090	9660	11.090	9722	11.090	9784	11.090	9846	11.090	9908	11.090	9970	11.090
9599	11.090	9661	11.090	9723	11.090	9785	11.090	9847	11.090	9909	11.090	9971	11.090
9600	11.090	9662	11.090	9724	11.090	9786	11.090	9848	11.090	9910	11.090	9972	11.090
9601	11.090	9663	11.090	9725	11.090	9787	11.090	9849	11.090	9911	11.090	9973	11.090
9602	11.090	9664	11.090	9726	11.090	9788	11.090	9850	11.090	9912	11.090	9974	11.090
9603	11.090	9665	11.090	9727	11.090	9789	11.090	9851	11.090	9913	11.090	9975	11.090
9604	11.090	9666	11.090	9728	11.090	9790	11.090	9852	11.090	9914	11.090	9976	11.090
9605	11.090	9667	11.090	9729	11.090	9791	11.090	9853	11.090	9915	11.090	9977	11.090
9606	11.090	9668	11.090	9730	11.090	9792	11.090	9854	11.090	9916	11.090	9978	11.090
9607	11.090	9669	11.090	9731	11.090	9793	11.090	9855	11.090	9917	11.090	9979	11.090
9608	11.090	9670	11.090	9732	11.090	9794	11.090	9856	11.090	9918	11.090	9980	11.090
9609	11.090	9671	11.090	9733	11.090	9795	11.090	9857	11.090	9919	11.090	9981	11.090
9610	11.090	9672	11.090	9734	11.090	9796	11.090	9858	11.090	9920	11.090	9982	11.090
9611	11.090	9673	11.090	9735	11.090	9797	11.090	9859	11.090	9921	11.090	9983	11.090
9612	11.090	9674	11.090	9736	11.090	9798	11.090	9860	11.090	9922	11.090	9984	11.090
9613	11.090	9675	11.090	9737	11.090	9799	11.090	9861	11.090	9923	11.090	9985	11.090
9614	11.090	9676	11.090	9738	11.090	9800	11.090	9862	11.090	9924	11.090	9986	11.090
9615	11.090	9677	11.090	9739	11.090	9801	11.090	9863	11.090	9925	11.090	9987	11.090
9616	11.090	9678	11.090	9740	11.090	9802	11.090	9864	11.090	9926	11.090	9988	11.090
9617	11.090	9679	11.090	9741	11.090	9803	11.090	9865	11.090	9927	11.090	9989	11.090
9618	11.090	9680	11.090	9742	11.090	9804	11.090	9866	11.090	9928	11.090	9990	11.090
9619	11.090	9681	11.090	9743	11.090	9805	11.090	9867	11.090	9929	11.090	9991	11.090
9620	11.090	9682	11.090	9744	11.090	9806	11.090	9868	11.090	9930	11.090	9992	11.090
9621	11.090	9683	11.090	9745	11.090	9807	11.090	9869	11.090	9931	11.090	9993	11.090
9622	11.090	9684	11.090	9746	11.090	9808	11.090	9870	11.090	9932	11.090	9994	11.090
9623	11.090	9685	11.090	9747	11.090	9809	11.090	9871	11.090	9933	11.090	9995	11.090
9624	11.090	9686	11.090	9748	11.090	9810	11.090	9872	11.090	9934	11.090	9996	11.090
9625	11.090	9687	11.090	9749	11.090	9811	11.090	9873	11.090	9935	11.090	9997	11.090
9626	11.090	9688	11.090	9750	11.090	9812	11.090	9874	11.090	9936	11.090	9998	11.090
9627	11.090	9689	11.090	9751	11.090	9813	11.090	9875	11.090	9937	11.090	9999	11.090
9628	11.090	9690	11.090	9752	11.090	9814	11.090	9876	11.090	9938	11.090	10000	11.090
9629	11.090	9691	11.090	9753	11.090	9815	11.090	9877	11.090	9939	11.090	10001	11.090
9630	11.090	9692	11.090	9754	11.090	9816	11.090	9878	11.090	9940	11.090	10002	11.090
9631	11.090	9693	11.090	9755	11.090	9817	11.090	9879	11.090	9941	11.090	10003	11.090
9632	11.090	9694	11.090	9756	11.090	9818	11.090	9880	11.090	9942	11.090	10004	11.090
9633	11.090	9695	11.090	9757	11.090	9819	11.090	9881	11.090	9943	11.090	10005	11.090
9634	11.090	9696	11.090	9758	11.090	9820	11.090	9882	11.090	9944	11.090	10006	11.090
9635	11.090	9697	11.090	9759	11.090	9821	11.090	9883	11.090	9945	11.090	10007	11.090
9636	11.090	9698	11.090	9760	11.090	9822	11.090	9884	11.090	9946	11.090	10008	11.090
9637	11.090	9699	11.090	9761	11.090	9823	11.090	9885	11.090	9947	11.090	10009	11.090
9638	11.090	9700	11.090	9762	11.090	9824	11.090	9886	11.090	9948	11.090	10010	11.090

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
10073	11.090	10074	11.090	10075	11.090	10076	11.090	10077	11.090	10078	11.090	10079	11.090

Simulation Criteria for Storm

Volumetric Runoff Coeff 0.750      Additional Flow - % of Total Flow 0.000  
 Areal Reduction Factor 1.000      MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start (mins) 0      Inlet Coefficient 0.800  
 Hot Start Level (mm) 0      Flow per Person per Day (l/per/day) 0.000  
 Manhole Headloss Coeff (Global) 0.500      Run Time (mins) 60  
 Foul Sewage per hectare (l/s) 0.000      Output Interval (mins) 1

Number of Input Hydrographs 0      Number of Offline Controls 0      Number of Time/Area Diagrams 0  
 Number of Online Controls 2      Number of Storage Structures 2      Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH      Summer Storms Yes  
 Return Period (years) 2      Winter Storms No  
 FEH Rainfall Version 2013      Cv (Summer) 0.750  
 Site Location GB 640286 267538 TM 40286 67538      Cv (Winter) 0.840  
 Data Type Point Storm Duration (mins) 30

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Online Controls for Storm

Hydro-Brake® Optimum Manhole: S11, DS/PN: S6.006, Volume (m³): 5.6

Unit Reference	MD-SHE-0098-5000-1500-5000
Design Head (m)	1.500
Design Flow (l/s)	5.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	98
Invert Level (m)	12.975
Minimum Outlet Pipe Diameter (mm)	150
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.500	5.0	Kick-Flo®	0.878	3.9
Flush-Flo™	0.431	4.9	Mean Flow over Head Range	-	4.3

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.2	0.800	4.3	2.000	5.7	4.000	7.9	7.000	10.3
0.200	4.4	1.000	4.1	2.200	6.0	4.500	8.4	7.500	10.7
0.300	4.8	1.200	4.5	2.400	6.2	5.000	8.8	8.000	11.0
0.400	4.9	1.400	4.8	2.600	6.5	5.500	9.2	8.500	11.3
0.500	4.9	1.600	5.1	3.000	6.9	6.000	9.6	9.000	11.6
0.600	4.8	1.800	5.4	3.500	7.4	6.500	10.0	9.500	11.9

Hydro-Brake® Optimum Manhole: S15, DS/PN: S5.005, Volume (m³): 6.7

Unit Reference	MD-SHE-0098-5000-1500-5000
Design Head (m)	1.500
Design Flow (l/s)	5.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	98
Invert Level (m)	10.013
Minimum Outlet Pipe Diameter (mm)	150
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.500	5.0	Kick-Flo®	0.878	3.9
Flush-Flo™	0.431	4.9	Mean Flow over Head Range	-	4.3

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.2	0.800	4.3	2.000	5.7	4.000	7.9	7.000	10.3
0.200	4.4	1.000	4.1	2.200	6.0	4.500	8.4	7.500	10.7
0.300	4.8	1.200	4.5	2.400	6.2	5.000	8.8	8.000	11.0
0.400	4.9	1.400	4.8	2.600	6.5	5.500	9.2	8.500	11.3
0.500	4.9	1.600	5.1	3.000	6.9	6.000	9.6	9.000	11.6
0.600	4.8	1.800	5.4	3.500	7.4	6.500	10.0	9.500	11.9



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Storage Structures for Storm

Tank or Pond Manhole: S11, DS/PN: S6.006

Invert Level (m) 13.467

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	800.0	1.200	1500.0

Tank or Pond Manhole: S15, DS/PN: S5.005

Invert Level (m) 10.013

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	800.0	1.000	1000.0

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S5.000	S5	15 Winter	2	+0%					13.697	-0.180	0.000	0.09
S6.000	S17	15 Winter	2	+0%					20.175	-0.085	0.000	0.20
S6.001	S18	30 Winter	2	+0%					19.093	-0.133	0.000	0.24
S6.002	S19	60 Winter	2	+0%					18.435	-0.111	0.000	0.11
S6.003	S20	120 Summer	2	+0%					15.158	-0.258	0.000	0.05
S7.000	S1	15 Winter	2	+0%					21.115	-0.162	0.000	0.17
S7.001	S2	15 Winter	2	+0%	100/15	Summer			17.559	-0.166	0.000	0.38
S7.002	S3	15 Winter	2	+0%					17.096	-0.216	0.000	0.17
S6.004	S9	15 Winter	2	+0%	30/15	Summer			13.829	-0.137	0.000	0.57
S6.005	S10	15 Winter	2	+0%	100/15	Winter			13.704	-0.198	0.000	0.25
S6.006	S11	240 Winter	2	+0%	2/15	Summer			13.523	0.048	0.000	0.01
S5.001	S6	15 Winter	2	+0%					12.556	-0.318	0.000	0.05
S5.002	S13	15 Winter	2	+0%	100/2160	Winter			11.082	-0.518	0.000	0.04
S8.000	S7	15 Winter	2	+0%					15.176	-0.224	0.000	0.14
S8.001	S8	15 Winter	2	+0%	100/15	Summer			14.232	-0.174	0.000	0.34
S8.002	S9	15 Winter	2	+0%	30/15	Winter			13.836	-0.154	0.000	0.44
S8.003	S10	15 Winter	2	+0%	100/15	Summer			13.427	-0.153	0.000	0.48
S8.004	S11	15 Winter	2	+0%					13.184	-0.202	0.000	0.23
S9.000	S21	15 Winter	2	+0%					21.264	-0.116	0.000	0.09
S9.001	S22	15 Winter	2	+0%	100/15	Summer			19.473	-0.089	0.000	0.22
S9.002	S23	15 Winter	2	+0%					18.947	-0.113	0.000	0.15
S9.003	S24	30 Winter	2	+0%					14.723	-0.247	0.000	0.07
S8.005	S17	15 Winter	2	+0%	100/30	Winter			12.902	-0.191	0.000	0.28
S5.003	S18	5760 Winter	2	+0%	30/4320	Winter			10.614	-0.314	0.000	0.01
S5.004	S14	5760 Winter	2	+0%	5/4320	Winter			10.614	-0.029	0.000	0.02
S5.005	S15	5760 Winter	2	+0%	2/5760	Winter			10.614	0.001	0.000	0.00

PN	US/MH Name	Pipe Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S5.000	S5		6.2	OK	
S6.000	S17		8.3	OK	

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Pipe		Status	Level Exceeded
		Overflow (l/s)	Flow (l/s)		
S6.001	S18		8.0	OK	
S6.002	S19		8.9	OK	
S6.003	S20		8.4	OK	
S7.000	S1		16.1	OK	
S7.001	S2		26.0	OK	
S7.002	S3		33.5	OK	
S6.004	S9		34.2	OK	
S6.005	S10		37.7	OK	
S6.006	S11		4.7	SURCHARGED	
S5.001	S6		17.6	OK	
S5.002	S13		17.1	OK	
S8.000	S7		14.8	OK	
S8.001	S8		23.1	OK	
S8.002	S9		30.3	OK	
S8.003	S10		31.8	OK	
S8.004	S11		31.8	OK	
S9.000	S21		5.4	FLOOD RISK*	
S9.001	S22		9.3	FLOOD RISK*	
S9.002	S23		14.2	FLOOD RISK*	
S9.003	S24		13.7	OK	
S8.005	S17		49.9	OK	
S5.003	S18		3.9	OK	
S5.004	S14		3.8	OK	
S5.005	S15		0.0	SURCHARGED	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S5.000	S5	15 Winter	5	+0%					13.704	-0.173	0.000	0.12
S6.000	S17	15 Winter	5	+0%					20.188	-0.072	0.000	0.26
S6.001	S18	30 Winter	5	+0%					19.109	-0.117	0.000	0.35
S6.002	S19	30 Winter	5	+0%					18.451	-0.095	0.000	0.18
S6.003	S20	60 Winter	5	+0%					15.168	-0.248	0.000	0.07
S7.000	S1	15 Winter	5	+0%					21.126	-0.151	0.000	0.23
S7.001	S2	15 Winter	5	+0%	100/15	Summer			17.586	-0.139	0.000	0.51
S7.002	S3	15 Winter	5	+0%					17.110	-0.202	0.000	0.23
S6.004	S9	15 Winter	5	+0%	30/15	Summer			13.865	-0.101	0.000	0.77
S6.005	S10	15 Winter	5	+0%	100/15	Winter			13.723	-0.179	0.000	0.34
S6.006	S11	240 Winter	5	+0%	2/15	Summer			13.549	0.074	0.000	0.01
S5.001	S6	15 Winter	5	+0%					12.565	-0.309	0.000	0.07
S5.002	S13	15 Winter	5	+0%	100/2160	Winter			11.095	-0.505	0.000	0.06
S8.000	S7	15 Winter	5	+0%					15.190	-0.210	0.000	0.19
S8.001	S8	15 Winter	5	+0%	100/15	Summer			14.256	-0.150	0.000	0.45
S8.002	S9	15 Winter	5	+0%	30/15	Winter			13.866	-0.124	0.000	0.60
S8.003	S10	15 Winter	5	+0%	100/15	Summer			13.457	-0.123	0.000	0.65
S8.004	S11	15 Winter	5	+0%					13.202	-0.185	0.000	0.31
S9.000	S21	15 Winter	5	+0%					21.274	-0.106	0.000	0.12
S9.001	S22	15 Winter	5	+0%	100/15	Summer			19.489	-0.073	0.000	0.31
S9.002	S23	15 Winter	5	+0%					18.960	-0.100	0.000	0.20
S9.003	S24	15 Winter	5	+0%					14.734	-0.236	0.000	0.10
S8.005	S17	15 Winter	5	+0%	100/30	Winter			12.923	-0.169	0.000	0.39
S5.003	S18	5760 Winter	5	+0%	30/4320	Winter			10.715	-0.213	0.000	0.01
S5.004	S14	5760 Winter	5	+0%	5/4320	Winter			10.715	0.072	0.000	0.02
S5.005	S15	5760 Winter	5	+0%	2/5760	Winter			10.715	0.102	0.000	0.00

PN	US/MH Name	Pipe Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S5.000	S5		8.3	OK	
S6.000	S17		11.0	OK	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Pipe		Status	Level Exceeded
		Overflow (l/s)	Flow (l/s)		
S6.001	S18		11.6	OK	
S6.002	S19		13.7	OK	
S6.003	S20		12.5	OK	
S7.000	S1		21.8	OK	
S7.001	S2		35.1	OK	
S7.002	S3		45.2	OK	
S6.004	S9		46.1	OK	
S6.005	S10		50.9	OK	
S6.006	S11		4.7	SURCHARGED	
S5.001	S6		23.5	OK	
S5.002	S13		23.2	OK	
S8.000	S7		20.0	OK	
S8.001	S8		31.1	OK	
S8.002	S9		40.9	OK	
S8.003	S10		42.9	OK	
S8.004	S11		42.8	OK	
S9.000	S21		7.4	FLOOD RISK*	
S9.001	S22		12.7	FLOOD RISK*	
S9.002	S23		19.4	FLOOD RISK*	
S9.003	S24		19.4	OK	
S8.005	S17		68.5	OK	
S5.003	S18		4.6	OK	
S5.004	S14		4.5	SURCHARGED	
S5.005	S15		0.0	SURCHARGED	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Cap.
S5.000	S5	15 Winter	30	+0%					13.720	-0.157	0.000	0.19
S6.000	S17	15 Winter	30	+0%					20.215	-0.045	0.000	0.43
S6.001	S18	30 Winter	30	+0%					19.144	-0.082	0.000	0.63
S6.002	S19	30 Winter	30	+0%					18.483	-0.063	0.000	0.35
S6.003	S20	30 Winter	30	+0%					15.192	-0.224	0.000	0.14
S7.000	S1	15 Winter	30	+0%					21.149	-0.128	0.000	0.38
S7.001	S2	15 Winter	30	+0%	100/15	Summer			17.679	-0.046	0.000	0.90
S7.002	S3	15 Winter	30	+0%					17.149	-0.163	0.000	0.41
S6.004	S9	15 Winter	30	+0%	30/15	Summer			14.008	0.042	0.000	1.37
S6.005	S10	15 Winter	30	+0%	100/15	Winter			13.772	-0.131	0.000	0.60
S6.006	S11	240 Winter	30	+0%	2/15	Summer			13.622	0.147	0.000	0.01
S5.001	S6	15 Winter	30	+0%					12.585	-0.289	0.000	0.12
S5.002	S13	15 Winter	30	+0%	100/2160	Winter			11.129	-0.471	0.000	0.10
S8.000	S7	15 Winter	30	+0%					15.218	-0.182	0.000	0.31
S8.001	S8	15 Winter	30	+0%	100/15	Summer			14.329	-0.077	0.000	0.80
S8.002	S9	15 Winter	30	+0%	30/15	Winter			14.004	0.014	0.000	0.99
S8.003	S10	15 Winter	30	+0%	100/15	Summer			13.561	-0.019	0.000	1.00
S8.004	S11	15 Winter	30	+0%					13.235	-0.152	0.000	0.49
S9.000	S21	15 Winter	30	+0%					21.293	-0.087	0.000	0.19
S9.001	S22	15 Winter	30	+0%	100/15	Summer			19.527	-0.035	0.000	0.53
S9.002	S23	15 Winter	30	+0%					18.992	-0.068	0.000	0.37
S9.003	S24	15 Winter	30	+0%					14.758	-0.212	0.000	0.19
S8.005	S17	30 Winter	30	+0%	100/30	Winter			12.971	-0.122	0.000	0.65
S5.003	S18	5760 Winter	30	+0%	30/4320	Winter			11.008	0.080	0.000	0.01
S5.004	S14	5760 Winter	30	+0%	5/4320	Winter			11.008	0.365	0.000	0.03
S5.005	S15	5760 Winter	30	+0%	2/5760	Winter			11.008	0.395	0.000	0.00

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S5.000	S5		13.7	OK	
S6.000	S17		18.0	OK	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S6.001	S18		20.8	OK	
S6.002	S19		26.8	OK	
S6.003	S20		25.4	OK	
S7.000	S1		36.0	OK	
S7.001	S2		62.1	OK	
S7.002	S3		81.2	OK	
S6.004	S9		82.3	SURCHARGED	
S6.005	S10		90.2	OK	
S6.006	S11		4.7	SURCHARGED	
S5.001	S6		39.9	OK	
S5.002	S13		40.0	OK	
S8.000	S7		33.2	OK	
S8.001	S8		55.1	OK	
S8.002	S9		67.9	SURCHARGED	
S8.003	S10		66.5	OK	
S8.004	S11		66.5	OK	
S9.000	S21		12.2	FLOOD RISK*	
S9.001	S22		22.2	FLOOD RISK*	
S9.002	S23		35.8	FLOOD RISK*	
S9.003	S24		35.7	OK	
S8.005	S17		114.8	OK	
S5.003	S18		6.7	SURCHARGED	
S5.004	S14		6.6	SURCHARGED	
S5.005	S15		0.0	SURCHARGED	



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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m³/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0  
Number of Online Controls 2 Number of Storage Structures 2 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH Data Type Point  
FEH Rainfall Version 2013 Cv (Summer) 0.750  
Site Location GB 640286 267538 TM 40286 67538 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON  
Analysis Timestep Fine Inertia Status ON  
DTS Status OFF

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440,  
2160, 2880, 4320, 5760  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.
S5.000	S5	15 Winter	100	+40%					13.745	-0.132	0.000	0.35
S6.000	S17	15 Winter	100	+40%					20.254	-0.006	0.000	0.76
S6.001	S18	30 Winter	100	+40%					19.221	-0.005	0.000	1.00
S6.002	S19	30 Winter	100	+40%					18.523	-0.023	0.000	0.66
S6.003	S20	30 Winter	100	+40%					15.224	-0.192	0.000	0.28
S7.000	S1	15 Winter	100	+40%					21.191	-0.086	0.000	0.67
S7.001	S2	15 Winter	100	+40%	100/15 Summer				18.479	0.754	0.000	1.54
S7.002	S3	15 Winter	100	+40%					17.200	-0.112	0.000	0.69
S6.004	S9	30 Winter	100	+40%	30/15 Summer				14.419	0.453	0.000	2.48
S6.005	S10	30 Winter	100	+40%	100/15 Winter				14.027	0.124	0.000	1.04
S6.006	S11	720 Winter	100	+40%	2/15 Summer				13.854	0.379	0.000	0.01
S5.001	S6	15 Winter	100	+40%					12.614	-0.260	0.000	0.20
S5.002	S13	5760 Winter	100	+40%	100/2160 Winter				11.777	0.177	0.000	0.01
S8.000	S7	15 Winter	100	+40%					15.347	-0.053	0.000	0.55
S8.001	S8	15 Winter	100	+40%	100/15 Summer				15.179	0.773	0.000	1.10
S8.002	S9	15 Winter	100	+40%	30/15 Winter				14.666	0.676	0.000	1.40
S8.003	S10	15 Winter	100	+40%	100/15 Summer				13.775	0.195	0.000	1.43
S8.004	S11	15 Winter	100	+40%					13.273	-0.114	0.000	0.70
S9.000	S21	15 Winter	100	+40%					21.322	-0.058	0.000	0.35
S9.001	S22	15 Winter	100	+40%	100/15 Summer				19.592	0.030	0.000	0.97
S9.002	S23	15 Winter	100	+40%					19.029	-0.031	0.000	0.66
S9.003	S24	15 Winter	100	+40%					14.795	-0.175	0.000	0.36
S8.005	S17	30 Winter	100	+40%	100/30 Winter				13.149	0.056	0.000	1.01
S5.003	S18	5760 Winter	100	+40%	30/4320 Winter				11.777	0.849	0.000	0.02
S5.004	S14	5760 Winter	100	+40%	5/4320 Winter				11.777	1.134	0.000	0.06
S5.005	S15	5760 Winter	100	+40%	2/5760 Winter				11.777	1.164	0.000	0.02

PN	US/MH Name	Pipe Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S5.000	S5		24.5	OK	
S6.000	S17		32.3	OK	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
S6.001	S18		32.9	OK	
S6.002	S19		51.5	OK	
S6.003	S20		49.5	OK	
S7.000	S1		64.6	OK	
S7.001	S2		106.4	FLOOD RISK	
S7.002	S3		135.9	OK	
S6.004	S9		148.3	SURCHARGED	
S6.005	S10		156.4	SURCHARGED	
S6.006	S11		4.7	SURCHARGED	
S5.001	S6		68.3	OK	
S5.002	S13		5.7	SURCHARGED	
S8.000	S7		59.3	OK	
S8.001	S8		75.9	SURCHARGED	
S8.002	S9		96.4	SURCHARGED	
S8.003	S10		95.4	SURCHARGED	
S8.004	S11		95.3	OK	
S9.000	S21		21.9	FLOOD RISK*	
S9.001	S22		40.2	FLOOD RISK*	
S9.002	S23		64.8	FLOOD RISK*	
S9.003	S24		68.4	OK	
S8.005	S17		179.4	SURCHARGED	
S5.003	S18		11.4	SURCHARGED	
S5.004	S14		11.4	SURCHARGED	
S5.005	S15		4.8	SURCHARGED	

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STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for Storm

Pipe Sizes STANDARD Manhole Sizes STANDARD

FEH Rainfall Model

Return Period (years)	100
FEH Rainfall Version	2013
Site Location	GB 640286 267538 TM 40286 67538
Data Type	Point
Maximum Rainfall (mm/hr)	50
Maximum Time of Concentration (mins)	30
Foul Sewage (l/s/ha)	0.000
Volumetric Runoff Coeff.	0.750
PIMP (%)	100
Add Flow / Climate Change (%)	0
Minimum Backdrop Height (m)	0.200
Maximum Backdrop Height (m)	1.500
Min Design Depth for Optimisation (m)	1.200
Min Vel for Auto Design only (m/s)	0.75
Min Slope for Optimisation (1:X)	300

Designed with Level Soffits



Time Area Diagram for Storm

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.204	8-12	0.177	16-20	0.063	24-28	0.018
4-8	0.350	12-16	0.105	20-24	0.025	28-32	0.005

Total Area Contributing (ha) = 0.947

Total Pipe Volume (m<sup>3</sup>) = 110.649

Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k	n	HYD SECT	DIA (mm)	Section Type	Auto Design
S1.000	13.759	0.172	80.0	0.023	15.00	0.0	0.600		o	225	Pipe/Conduit	
S1.001	22.469	0.112	200.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S1.000	50.00	15.16	12.842	0.023	0.0	0.0	0.0	1.46	58.2	3.1
S1.001	50.00	15.56	12.670	0.023	0.0	0.0	0.0	0.92	36.6	3.1

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Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
S1.002	33.356	0.167	200.0	0.042	0.00	0.0	0.600		o	225	Pipe/Conduit	
S1.003	17.024	0.085	200.0	0.021	0.00	0.0	0.600		o	225	Pipe/Conduit	
S2.000	71.199	1.295	55.0	0.044	15.00	0.0		0.100	SCV	-12	Pipe/Conduit	
S2.001	57.192	0.381	150.0	0.039	0.00	0.0		0.100	13	-13	Pipe/Conduit	
S2.002	10.729	2.146	5.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
S1.004	71.319	0.255	280.0	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit	
S1.005	79.789	0.285	280.0	0.022	0.00	0.0	0.600		o	300	Pipe/Conduit	
S1.006	79.789	0.285	280.0	0.020	0.00	0.0	0.600		o	300	Pipe/Conduit	
S1.007	27.625	0.187	147.4	0.041	0.00	0.0	0.600		o	300	Pipe/Conduit	
S3.000	51.666	0.258	200.0	0.029	15.00	0.0		0.100	SCV	-12	Pipe/Conduit	
S3.001	77.375	1.548	50.0	0.044	0.00	0.0		0.100	SCV	-12	Pipe/Conduit	
S3.002	3.799	2.990	1.3	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
S1.008	48.047	0.148	324.6	0.020	0.00	0.0	0.600		o	300	Pipe/Conduit	
S1.009	70.549	0.380	185.8	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit	
S4.000	79.908	0.320	249.7	0.130	15.00	0.0	0.600		o	350	Pipe/Conduit	
S4.001	79.908	0.320	250.0	0.113	0.00	0.0	0.600		o	350	Pipe/Conduit	
S4.002	97.648	0.325	300.0	0.118	0.00	0.0	0.600		o	350	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S1.002	50.00	16.17	12.558	0.065	0.0	0.0	0.0	0.92	36.6	8.8
S1.003	50.00	16.48	12.391	0.086	0.0	0.0	0.0	0.92	36.6	11.6
S2.000	50.00	18.93	16.457	0.044	0.0	0.0	0.0	0.30	27.2	6.0
S2.001	50.00	22.63	14.962	0.083	0.0	0.0	0.0	0.26	64.3	11.2
S2.002	50.00	22.66	14.481	0.083	0.0	0.0	0.0	5.89	234.3	11.2
S1.004	50.00	23.94	12.231	0.169	0.0	0.0	0.0	0.93	66.1	22.8
S1.005	50.00	25.36	11.976	0.190	0.0	0.0	0.0	0.93	66.1	25.8
S1.006	50.00	26.78	11.691	0.211	0.0	0.0	0.0	0.93	66.1	28.5
S1.007	50.00	27.14	11.406	0.251	0.0	0.0	0.0	1.29	91.4	34.1
S3.000	50.00	20.44	16.587	0.029	0.0	0.0	0.0	0.16	14.3	4.0
S3.001	50.00	24.51	16.329	0.073	0.0	0.0	0.0	0.32	28.5	9.9
S3.002	50.00	24.51	14.200	0.073	0.0	0.0	0.0	11.70	465.2	9.9
S1.008	50.00	28.06	11.219	0.344	0.0	0.0	0.0	0.87	61.3	46.6
S1.009	50.00	29.08	11.071	0.344	0.0	0.0	0.0	1.15	81.3	46.6
S4.000	50.00	16.22	12.250	0.130	0.0	0.0	0.0	1.09	105.2	17.6
S4.001	50.00	17.44	11.930	0.244	0.0	0.0	0.0	1.09	105.1	33.0
S4.002	50.00	19.07	11.610	0.361	0.0	0.0	0.0	1.00	95.8	48.9

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Network Design Table for Storm

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k	n	HYD SECT	DIA (mm)	Section Type	Auto Design
S4.003	10.454	0.035	298.7	0.000	0.00	0.0	0.600		o	350	Pipe/Conduit	
S5.000	49.347	0.479	103.0	0.027	15.00	0.0	0.600	SCV	-12	Pipe/Conduit		
S5.001	57.235	0.556	103.0	0.026	0.00	0.0	0.600	SCV	-12	Pipe/Conduit		
S5.002	42.185	3.906	10.8	0.015	0.00	0.0	0.600	o	225	Pipe/Conduit		
S6.000	18.957	0.137	138.4	0.062	15.00	0.0	0.600	o	300	Pipe/Conduit		
S6.001	17.923	0.147	122.2	0.022	0.00	0.0	0.600	o	300	Pipe/Conduit		
S1.010	22.682	0.076	300.0	0.003	0.00	0.0	0.600	o	425	Pipe/Conduit		
S1.011	32.198	0.148	217.6	0.085	0.00	0.0	0.600	o	425	Pipe/Conduit		
S1.012	1.500	0.011	132.7	0.000	0.00	0.0	0.600	o	425	Pipe/Conduit		

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S4.003	50.00	19.25	11.285	0.361	0.0	0.0	0.0	1.00	96.0	48.9
S5.000	50.00	15.43	16.009	0.027	0.0	0.0	0.0	1.93	173.6	3.7
S5.001	50.00	15.92	15.530	0.053	0.0	0.0	0.0	1.93	173.7	7.2
S5.002	50.00	16.10	14.750	0.069	0.0	0.0	0.0	4.00	159.2	9.3
S6.000	50.00	15.24	10.975	0.062	0.0	0.0	0.0	1.33	94.3	8.4
S6.001	50.00	15.45	10.838	0.085	0.0	0.0	0.0	1.42	100.5	11.5
S1.010	50.00	29.42	10.566	0.862	0.0	0.0	0.0	1.13	159.9	116.7
S1.011	50.00	29.82	10.491	0.947	0.0	0.0	0.0	1.33	188.0	128.2
S1.012	50.00	29.84	10.343	0.947	0.0	0.0	0.0	1.70	241.3	128.2



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Manhole Schedules for Storm

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam., L*W (mm)	PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Backdrop (mm)
S1	13.667	0.825	Open Manhole	1200	S1.000	12.842	225				
S2	13.497	0.827	Open Manhole	1200	S1.001	12.670	225	S1.000	12.670	225	
S3	13.598	1.041	Open Manhole	1200	S1.002	12.558	225	S1.001	12.558	225	
S4	13.411	1.020	Open Manhole	1200	S1.003	12.391	225	S1.002	12.391	225	
S25	16.857	0.400	Junction		S2.000	16.457	-12				
S26	15.700	0.738	Junction		S2.001	14.962	-13	S2.000	15.162	-12	
S7	15.432	0.951	Junction		S2.002	14.481	225	S2.001	14.581	-13	375
S5	13.598	1.368	Open Manhole	1200	S1.004	12.231	300	S1.003	12.306	225	
								S2.002	12.335	225	29
S6	14.204	2.228	Open Manhole	1200	S1.005	11.976	300	S1.004	11.976	300	
S7	14.405	2.714	Open Manhole	1200	S1.006	11.691	300	S1.005	11.691	300	
S7	14.800	3.394	Open Manhole	1200	S1.007	11.406	300	S1.006	11.406	300	
S12	17.000	0.413	Junction		S3.000	16.587	-12				
S13	17.047	0.718	Junction		S3.001	16.329	-12	S3.000	16.329	-12	
S14	15.096	0.896	Junction		S3.002	14.200	225	S3.001	14.781	-12	656
S8	13.500	2.290	Open Manhole	1200	S1.008	11.219	300	S1.007	11.219	300	
								S3.002	11.210	225	
S9	13.991	2.920	Open Manhole	1200	S1.009	11.071	300	S1.008	11.071	300	
S10	13.141	0.891	Open Manhole	1200	S4.000	12.250	350				
S12	13.307	1.377	Open Manhole	1200	S4.001	11.930	350	S4.000	11.930	350	
S11	13.820	2.209	Open Manhole	1200	S4.002	11.610	350	S4.001	11.610	350	
S12	14.300	3.015	Open Manhole	1200	S4.003	11.285	350	S4.002	11.285	350	
S15	16.309	0.300	Junction		S5.000	16.009	-12				
S16	16.126	0.596	Junction		S5.001	15.530	-12	S5.000	15.530	-12	
S17	15.228	0.478	Junction		S5.002	14.750	225	S5.001	14.974	-12	299
S14	12.000	1.025	Open Manhole	1200	S6.000	10.975	300				
S15	12.940	2.102	Open Manhole	1200	S6.001	10.838	300	S6.000	10.838	300	
S13	13.300	2.734	Open Manhole	1350	S1.010	10.566	425	S1.009	10.691	300	
								S4.003	11.250	350	609
								S5.002	10.844	225	78
								S6.001	10.691	300	
S14	12.476	1.985	Open Manhole	1350	S1.011	10.491	425	S1.010	10.491	425	
S28	11.400	1.057	Open Manhole	1350	S1.012	10.343	425	S1.011	10.343	425	
S	11.400	1.069	Open Manhole	0		OUTFALL		S1.012	10.331	425	

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Manhole Schedules for Storm

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S1	643568.540	265392.852	643568.540	265392.852	Required	
S2	643574.194	265404.008	643574.194	265404.008	Required	
S3	643572.526	265426.415	643572.526	265426.415	Required	
S4	643566.796	265459.275	643566.796	265459.275	Required	
S25	643427.555	265463.089			No Entry	
S26	643498.293	265456.369			No Entry	
S7	643555.414	265458.845			No Entry	
S5	643554.910	265469.562	643554.910	265469.562	Required	
S6	643483.677	265468.485	643483.677	265468.485	Required	
S7	643404.804	265480.151	643404.804	265480.151	Required	
S7	643328.148	265502.077	643328.148	265502.077	Required	
S12	643422.898	265463.404			No Entry	
S13	643372.587	265475.162			No Entry	
S14	643301.682	265506.134			No Entry	
S8	643301.668	265509.933	643301.668	265509.933	Required	
S9	643258.885	265488.067	643258.885	265488.067	Required	



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Manhole Schedules for Storm

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S10	643566.682	265486.823	643566.682	265486.823	Required	
S12	643486.880	265484.219	643486.880	265484.219	Required	
S11	643407.477	265492.603	643407.477	265492.603	Required	
S12	643314.643	265522.086	643314.643	265522.086	Required	
S15	643458.134	265500.963			No Entry	
S16	643408.970	265505.221			No Entry	
S17	643353.006	265517.217			No Entry	
S14	643282.462	265552.124	643282.462	265552.124	Required	
S15	643298.511	265542.035	643298.511	265542.035	Required	
S13	643313.685	265532.496	643313.685	265532.496	Required	
S14	643318.497	265554.662	643318.497	265554.662	Required	
S28	643311.371	265586.062	643311.371	265586.062	Required	
S	643310.729	265587.418			No Entry	

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PIPELINE SCHEDULES for Storm

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.000	o	225	S1	13.667	12.842	0.600	Open Manhole	1200
S1.001	o	225	S2	13.497	12.670	0.602	Open Manhole	1200
S1.002	o	225	S3	13.598	12.558	0.816	Open Manhole	1200
S1.003	o	225	S4	13.411	12.391	0.795	Open Manhole	1200
S2.000	SCV	-12	S25	16.857	16.457	0.100	Junction	
S2.001	13	-13	S26	15.700	14.962	0.238	Junction	
S2.002	o	225	S7	15.432	14.481	0.726	Junction	
S1.004	o	300	S5	13.598	12.231	1.068	Open Manhole	1200
S1.005	o	300	S6	14.204	11.976	1.928	Open Manhole	1200
S1.006	o	300	S7	14.405	11.691	2.414	Open Manhole	1200
S1.007	o	300	S7	14.800	11.406	3.094	Open Manhole	1200
S3.000	SCV	-12	S12	17.000	16.587	0.113	Junction	
S3.001	SCV	-12	S13	17.047	16.329	0.418	Junction	
S3.002	o	225	S14	15.096	14.200	0.671	Junction	
S1.008	o	300	S8	13.500	11.219	1.981	Open Manhole	1200
S1.009	o	300	S9	13.991	11.071	2.620	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.000	13.759	80.0	S2	13.497	12.670	0.602	Open Manhole	1200
S1.001	22.469	200.0	S3	13.598	12.558	0.816	Open Manhole	1200
S1.002	33.356	200.0	S4	13.411	12.391	0.795	Open Manhole	1200
S1.003	17.024	200.0	S5	13.598	12.306	1.068	Open Manhole	1200
S2.000	71.199	55.0	S26	15.700	15.162	0.238	Junction	
S2.001	57.192	150.0	S7	15.432	14.581	0.351	Junction	
S2.002	10.729	5.0	S5	13.598	12.335	1.038	Open Manhole	1200
S1.004	71.319	280.0	S6	14.204	11.976	1.928	Open Manhole	1200
S1.005	79.789	280.0	S7	14.405	11.691	2.414	Open Manhole	1200
S1.006	79.789	280.0	S7	14.800	11.406	3.094	Open Manhole	1200
S1.007	27.625	147.4	S8	13.500	11.219	1.981	Open Manhole	1200
S3.000	51.666	200.0	S13	17.047	16.329	0.418	Junction	
S3.001	77.375	50.0	S14	15.096	14.781	0.015	Junction	
S3.002	3.799	1.3	S8	13.500	11.210	2.065	Open Manhole	1200
S1.008	48.047	324.6	S9	13.991	11.071	2.620	Open Manhole	1200
S1.009	70.549	185.8	S13	13.300	10.691	2.309	Open Manhole	1350

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PIPELINE SCHEDULES for Storm

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S4.000	o	350	S10	13.141	12.250	0.541	Open Manhole	1200
S4.001	o	350	S12	13.307	11.930	1.027	Open Manhole	1200
S4.002	o	350	S11	13.820	11.610	1.859	Open Manhole	1200
S4.003	o	350	S12	14.300	11.285	2.665	Open Manhole	1200
S5.000	SCV	-12	S15	16.309	16.009	0.000	Junction	
S5.001	SCV	-12	S16	16.126	15.530	0.296	Junction	
S5.002	o	225	S17	15.228	14.750	0.253	Junction	
S6.000	o	300	S14	12.000	10.975	0.725	Open Manhole	1200
S6.001	o	300	S15	12.940	10.838	1.802	Open Manhole	1200
S1.010	o	425	S13	13.300	10.566	2.309	Open Manhole	1350
S1.011	o	425	S14	12.476	10.491	1.560	Open Manhole	1350
S1.012	o	425	S28	11.400	10.343	0.632	Open Manhole	1350

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S4.000	79.908	249.7	S12	13.307	11.930	1.027	Open Manhole	1200
S4.001	79.908	250.0	S11	13.820	11.610	1.859	Open Manhole	1200
S4.002	97.648	300.0	S12	14.300	11.285	2.665	Open Manhole	1200
S4.003	10.454	298.7	S13	13.300	11.250	1.700	Open Manhole	1350
S5.000	49.347	103.0	S16	16.126	15.530	0.296	Junction	
S5.001	57.235	103.0	S17	15.228	14.974	-0.046	Junction	
S5.002	42.185	10.8	S13	13.300	10.844	2.231	Open Manhole	1350
S6.000	18.957	138.4	S15	12.940	10.838	1.802	Open Manhole	1200
S6.001	17.923	122.2	S13	13.300	10.691	2.309	Open Manhole	1350
S1.010	22.682	300.0	S14	12.476	10.491	1.560	Open Manhole	1350
S1.011	32.198	217.6	S28	11.400	10.343	0.632	Open Manhole	1350
S1.012	1.500	132.7	S	11.400	10.331	0.644	Open Manhole	0

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Area Summary for Storm

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
1.000	Classification	Green Verge	23	0.024	0.006	0.006
	Classification	Carriageway/Footpath	100	0.017	0.017	0.023
1.001	-	-	100	0.000	0.000	0.000
1.002	Classification	Green Verge	23	0.032	0.007	0.007
	Classification	Carriageway/Footpath	100	0.035	0.035	0.042
1.003	Classification	Green Verge	23	0.090	0.021	0.021
2.000	Classification	Overland area	50	0.088	0.044	0.044
2.001	Classification	Overland area	50	0.077	0.039	0.039
2.002	-	-	100	0.000	0.000	0.000
1.004	-	-	100	0.000	0.000	0.000
1.005	Classification	Green Verge	23	0.095	0.022	0.022
1.006	Classification	Green Verge	23	0.088	0.020	0.020
1.007	Classification	Green Verge	23	0.019	0.004	0.004
	Classification	Carriageway/Footpath	100	0.036	0.036	0.041
3.000	Classification	Overland area	50	0.058	0.029	0.029
3.001	Classification	Overland area	50	0.088	0.044	0.044
3.002	-	-	100	0.000	0.000	0.000
1.008	Classification	Green Verge	23	0.085	0.020	0.020
1.009	-	-	100	0.000	0.000	0.000
4.000	Classification	Green Verge	23	0.116	0.027	0.027
	Classification	Carriageway/Footpath	100	0.104	0.104	0.130
4.001	Classification	Green Verge	23	0.119	0.027	0.027
	Classification	Carriageway/Footpath	100	0.086	0.086	0.113
4.002	Classification	Green Verge	23	0.107	0.025	0.025
	Classification	Carriageway/Footpath	100	0.093	0.093	0.118
4.003	-	-	100	0.000	0.000	0.000
5.000	Classification	Overland area	50	0.024	0.012	0.012
	Classification	Overland area	50	0.030	0.015	0.027
5.001	Classification	Overland area	50	0.052	0.026	0.026
5.002	Classification	Overland area	50	0.031	0.015	0.015
6.000	Classification	Green Verge	23	0.032	0.007	0.007
	Classification	Carriageway/Footpath	100	0.015	0.015	0.022
	Classification	Green Verge	23	0.037	0.009	0.030
	Classification	Carriageway/Footpath	100	0.032	0.032	0.062
6.001	Classification	Carriageway/Footpath	100	0.022	0.022	0.022
1.010	Classification	Green Verge	23	0.012	0.003	0.003
1.011	Classification	Carriageway/Footpath	100	0.085	0.085	0.085
1.012	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				1.830	0.947	0.947



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Network Classifications for Storm

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
S1.000	S1	225	0.457	0.602	Unclassified	1200	0	0.600	Unclassified
S1.001	S2	225	0.602	0.822	Unclassified	1200	0	0.602	Unclassified
S1.002	S3	225	0.795	0.915	Unclassified	1200	0	0.816	Unclassified
S1.003	S4	225	0.795	1.068	Unclassified	1200	0	0.795	Unclassified
S2.000	S25	-12	0.100	0.238	Unclassified				Junction
S2.001	S26	-13	0.238	0.351	Unclassified				Junction
S2.002	S7	225	0.608	1.038	Unclassified				Junction
S1.004	S5	300	1.068	1.928	Unclassified	1200	0	1.068	Unclassified
S1.005	S6	300	1.928	2.414	Unclassified	1200	0	1.928	Unclassified
S1.006	S7	300	2.414	3.094	Unclassified	1200	0	2.414	Unclassified
S1.007	S7	300	1.981	3.094	Unclassified	1200	0	3.094	Unclassified
S3.000	S12	-12	0.113	0.418	Unclassified				Junction
S3.001	S13	-12	0.015	0.418	Unclassified				Junction
S3.002	S14	225	0.671	2.065	Unclassified				Junction
S1.008	S8	300	1.981	2.620	Unclassified	1200	0	1.981	Unclassified
S1.009	S9	300	2.309	2.620	Unclassified	1200	0	2.620	Unclassified
S4.000	S10	350	0.541	1.027	Unclassified	1200	0	0.541	Unclassified
S4.001	S12	350	1.027	1.859	Unclassified	1200	0	1.027	Unclassified
S4.002	S11	350	1.859	2.665	Unclassified	1200	0	1.859	Unclassified
S4.003	S12	350	1.700	2.665	Unclassified	1200	0	2.665	Unclassified
S5.000	S15	-12	0.000	0.296	Unclassified				Junction
S5.001	S16	-12	0.173	0.296	Unclassified				Junction
S5.002	S17	225	0.253	2.231	Unclassified				Junction
S6.000	S14	300	0.725	1.802	Unclassified	1200	0	0.725	Unclassified
S6.001	S15	300	1.802	2.309	Unclassified	1200	0	1.802	Unclassified
S1.010	S13	425	1.560	2.309	Unclassified	1350	0	2.309	Unclassified
S1.011	S14	425	0.632	1.560	Unclassified	1350	0	1.560	Unclassified
S1.012	S28	425	0.632	0.644	Unclassified	1350	0	0.632	Unclassified

Surcharged Outfall Details for Storm

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
---------------------	--------------	--------------	--------------	------------------	----------	--------

S1.012 S 11.400 10.331 0.000 0 0

Datum (m) 0.000 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5	11.320	30	11.320	55	11.320	80	11.320	105	11.320	130	11.320
10	11.320	35	11.320	60	11.320	85	11.320	110	11.320	135	11.320
15	11.320	40	11.320	65	11.320	90	11.320	115	11.320	140	11.320
20	11.320	45	11.320	70	11.320	95	11.320	120	11.320	145	11.320
25	11.320	50	11.320	75	11.320	100	11.320	125	11.320	150	11.320

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
155	11.320	400	11.320	645	11.320	890	11.320	1135	11.320	1380	11.320
160	11.320	405	11.320	650	11.320	895	11.320	1140	11.320	1385	11.320
165	11.320	410	11.320	655	11.320	900	11.320	1145	11.320	1390	11.320
170	11.320	415	11.320	660	11.320	905	11.320	1150	11.320	1395	11.320
175	11.320	420	11.320	665	11.320	910	11.320	1155	11.320	1400	11.320
180	11.320	425	11.320	670	11.320	915	11.320	1160	11.320	1405	11.320
185	11.320	430	11.320	675	11.320	920	11.320	1165	11.320	1410	11.320
190	11.320	435	11.320	680	11.320	925	11.320	1170	11.320	1415	11.320
195	11.320	440	11.320	685	11.320	930	11.320	1175	11.320	1420	11.320
200	11.320	445	11.320	690	11.320	935	11.320	1180	11.320	1425	11.320
205	11.320	450	11.320	695	11.320	940	11.320	1185	11.320	1430	11.320
210	11.320	455	11.320	700	11.320	945	11.320	1190	11.320	1435	11.320
215	11.320	460	11.320	705	11.320	950	11.320	1195	11.320	1440	11.320
220	11.320	465	11.320	710	11.320	955	11.320	1200	11.320	1445	11.320
225	11.320	470	11.320	715	11.320	960	11.320	1205	11.320	1450	11.320
230	11.320	475	11.320	720	11.320	965	11.320	1210	11.320	1455	11.320
235	11.320	480	11.320	725	11.320	970	11.320	1215	11.320	1460	11.320
240	11.320	485	11.320	730	11.320	975	11.320	1220	11.320	1465	11.320
245	11.320	490	11.320	735	11.320	980	11.320	1225	11.320	1470	11.320
250	11.320	495	11.320	740	11.320	985	11.320	1230	11.320	1475	11.320
255	11.320	500	11.320	745	11.320	990	11.320	1235	11.320	1480	11.320
260	11.320	505	11.320	750	11.320	995	11.320	1240	11.320	1485	11.320
265	11.320	510	11.320	755	11.320	1000	11.320	1245	11.320	1490	11.320
270	11.320	515	11.320	760	11.320	1005	11.320	1250	11.320	1495	11.320
275	11.320	520	11.320	765	11.320	1010	11.320	1255	11.320	1500	11.320
280	11.320	525	11.320	770	11.320	1015	11.320	1260	11.320	1505	11.320
285	11.320	530	11.320	775	11.320	1020	11.320	1265	11.320	1510	11.320
290	11.320	535	11.320	780	11.320	1025	11.320	1270	11.320	1515	11.320
295	11.320	540	11.320	785	11.320	1030	11.320	1275	11.320	1520	11.320
300	11.320	545	11.320	790	11.320	1035	11.320	1280	11.320	1525	11.320
305	11.320	550	11.320	795	11.320	1040	11.320	1285	11.320	1530	11.320
310	11.320	555	11.320	800	11.320	1045	11.320	1290	11.320	1535	11.320
315	11.320	560	11.320	805	11.320	1050	11.320	1295	11.320	1540	11.320
320	11.320	565	11.320	810	11.320	1055	11.320	1300	11.320	1545	11.320
325	11.320	570	11.320	815	11.320	1060	11.320	1305	11.320	1550	11.320
330	11.320	575	11.320	820	11.320	1065	11.320	1310	11.320	1555	11.320
335	11.320	580	11.320	825	11.320	1070	11.320	1315	11.320	1560	11.320
340	11.320	585	11.320	830	11.320	1075	11.320	1320	11.320	1565	11.320
345	11.320	590	11.320	835	11.320	1080	11.320	1325	11.320	1570	11.320
350	11.320	595	11.320	840	11.320	1085	11.320	1330	11.320	1575	11.320
355	11.320	600	11.320	845	11.320	1090	11.320	1335	11.320	1580	11.320
360	11.320	605	11.320	850	11.320	1095	11.320	1340	11.320	1585	11.320
365	11.320	610	11.320	855	11.320	1100	11.320	1345	11.320	1590	11.320
370	11.320	615	11.320	860	11.320	1105	11.320	1350	11.320	1595	11.320
375	11.320	620	11.320	865	11.320	1110	11.320	1355	11.320	1600	11.320
380	11.320	625	11.320	870	11.320	1115	11.320	1360	11.320	1605	11.320
385	11.320	630	11.320	875	11.320	1120	11.320	1365	11.320	1610	11.320
390	11.320	635	11.320	880	11.320	1125	11.320	1370	11.320	1615	11.320
395	11.320	640	11.320	885	11.320	1130	11.320	1375	11.320	1620	11.320

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Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1625	11.320	1835	11.320	2045	11.320	2255	11.320	2465	11.320	2675	11.320
1630	11.320	1840	11.320	2050	11.320	2260	11.320	2470	11.320	2680	11.320
1635	11.320	1845	11.320	2055	11.320	2265	11.320	2475	11.320	2685	11.320
1640	11.320	1850	11.320	2060	11.320	2270	11.320	2480	11.320	2690	11.320
1645	11.320	1855	11.320	2065	11.320	2275	11.320	2485	11.320	2695	11.320
1650	11.320	1860	11.320	2070	11.320	2280	11.320	2490	11.320	2700	11.320
1655	11.320	1865	11.320	2075	11.320	2285	11.320	2495	11.320	2705	11.320
1660	11.320	1870	11.320	2080	11.320	2290	11.320	2500	11.320	2710	11.320
1665	11.320	1875	11.320	2085	11.320	2295	11.320	2505	11.320	2715	11.320
1670	11.320	1880	11.320	2090	11.320	2300	11.320	2510	11.320	2720	11.320
1675	11.320	1885	11.320	2095	11.320	2305	11.320	2515	11.320	2725	11.320
1680	11.320	1890	11.320	2100	11.320	2310	11.320	2520	11.320	2730	11.320
1685	11.320	1895	11.320	2105	11.320	2315	11.320	2525	11.320	2735	11.320
1690	11.320	1900	11.320	2110	11.320	2320	11.320	2530	11.320	2740	11.320
1695	11.320	1905	11.320	2115	11.320	2325	11.320	2535	11.320	2745	11.320
1700	11.320	1910	11.320	2120	11.320	2330	11.320	2540	11.320	2750	11.320
1705	11.320	1915	11.320	2125	11.320	2335	11.320	2545	11.320	2755	11.320
1710	11.320	1920	11.320	2130	11.320	2340	11.320	2550	11.320	2760	11.320
1715	11.320	1925	11.320	2135	11.320	2345	11.320	2555	11.320	2765	11.320
1720	11.320	1930	11.320	2140	11.320	2350	11.320	2560	11.320	2770	11.320
1725	11.320	1935	11.320	2145	11.320	2355	11.320	2565	11.320	2775	11.320
1730	11.320	1940	11.320	2150	11.320	2360	11.320	2570	11.320	2780	11.320
1735	11.320	1945	11.320	2155	11.320	2365	11.320	2575	11.320	2785	11.320
1740	11.320	1950	11.320	2160	11.320	2370	11.320	2580	11.320	2790	11.320
1745	11.320	1955	11.320	2165	11.320	2375	11.320	2585	11.320	2795	11.320
1750	11.320	1960	11.320	2170	11.320	2380	11.320	2590	11.320	2800	11.320
1755	11.320	1965	11.320	2175	11.320	2385	11.320	2595	11.320	2805	11.320
1760	11.320	1970	11.320	2180	11.320	2390	11.320	2600	11.320	2810	11.320
1765	11.320	1975	11.320	2185	11.320	2395	11.320	2605	11.320	2815	11.320
1770	11.320	1980	11.320	2190	11.320	2400	11.320	2610	11.320	2820	11.320
1775	11.320	1985	11.320	2195	11.320	2405	11.320	2615	11.320	2825	11.320
1780	11.320	1990	11.320	2200	11.320	2410	11.320	2620	11.320	2830	11.320
1785	11.320	1995	11.320	2205	11.320	2415	11.320	2625	11.320	2835	11.320
1790	11.320	2000	11.320	2210	11.320	2420	11.320	2630	11.320	2840	11.320
1795	11.320	2005	11.320	2215	11.320	2425	11.320	2635	11.320	2845	11.320
1800	11.320	2010	11.320	2220	11.320	2430	11.320	2640	11.320	2850	11.320
1805	11.320	2015	11.320	2225	11.320	2435	11.320	2645	11.320	2855	11.320
1810	11.320	2020	11.320	2230	11.320	2440	11.320	2650	11.320	2860	11.320
1815	11.320	2025	11.320	2235	11.320	2445	11.320	2655	11.320	2865	11.320
1820	11.320	2030	11.320	2240	11.320	2450	11.320	2660	11.320	2870	11.320
1825	11.320	2035	11.320	2245	11.320	2455	11.320	2665	11.320	2875	11.320
1830	11.320	2040	11.320	2250	11.320	2460	11.320	2670	11.320	2880	11.320



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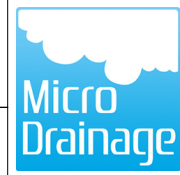
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Simulation Criteria for Storm

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m <sup>3</sup> /ha Storage	2.000
Hot Start (mins)	0	Inlet Coefficient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1
Number of Input Hydrographs	0	Number of Storage Structures	2
Number of Online Controls	3	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FEH
Return Period (years)	100
FEH Rainfall Version	2013
Site Location	GB 640286 267538 TM 40286 67538
Data Type	Point
Summer Storms	Yes
Winter Storms	No
Cv (Summer)	0.750
Cv (Winter)	0.840
Storm Duration (mins)	30



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Online Controls for Storm

Hydro-Brake® Optimum Manhole: S9, DS/PN: S1.009, Volume (m³): 6.6

Unit Reference MD-SHE-0097-5000-1600-5000  
 Design Head (m) 1.600  
 Design Flow (l/s) 5.0  
 Flush-Flo™ Calculated  
 Objective Minimise upstream storage  
 Application Surface  
 Sump Available Yes  
 Diameter (mm) 97  
 Invert Level (m) 11.071  
 Minimum Outlet Pipe Diameter (mm) 150  
 Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.600	5.0	Kick-Flo®	0.865	3.8
Flush-Flo™	0.425	4.7	Mean Flow over Head Range	-	4.2

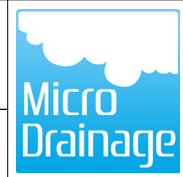
The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.1	1.200	4.4	3.000	6.7	7.000	10.0
0.200	4.3	1.400	4.7	3.500	7.2	7.500	10.3
0.300	4.6	1.600	5.0	4.000	7.7	8.000	10.7
0.400	4.7	1.800	5.3	4.500	8.1	8.500	11.0
0.500	4.7	2.000	5.5	5.000	8.5	9.000	11.3
0.600	4.6	2.200	5.8	5.500	8.9	9.500	11.6
0.800	4.1	2.400	6.0	6.000	9.3		
1.000	4.0	2.600	6.3	6.500	9.7		

Hydro-Brake® Optimum Manhole: S14, DS/PN: S1.011, Volume (m³): 5.9

Unit Reference MD-SHE-0103-5000-1200-5000  
 Design Head (m) 1.200  
 Design Flow (l/s) 5.0  
 Flush-Flo™ Calculated  
 Objective Minimise upstream storage  
 Application Surface  
 Sump Available Yes  
 Diameter (mm) 103  
 Invert Level (m) 10.491  
 Minimum Outlet Pipe Diameter (mm) 150  
 Suggested Manhole Diameter (mm) 1200

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Hydro-Brake® Optimum Manhole: S14, DS/PN: S1.011, Volume (m³): 5.9

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.200	5.0	Kick-Flo®	0.745	4.0
Flush-Flo™	0.354	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.4	1.200	5.0	3.000	7.7	7.000	11.5
0.200	4.7	1.400	5.4	3.500	8.3	7.500	11.8
0.300	5.0	1.600	5.7	4.000	8.8	8.000	12.2
0.400	5.0	1.800	6.0	4.500	9.3	8.500	12.6
0.500	4.9	2.000	6.3	5.000	9.8	9.000	12.9
0.600	4.7	2.200	6.6	5.500	10.2	9.500	13.3
0.800	4.1	2.400	6.9	6.000	10.7		
1.000	4.6	2.600	7.2	6.500	11.1		

Non Return Valve Manhole: S28, DS/PN: S1.012, Volume (m³): 5.9

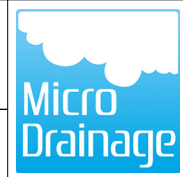
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Storage Structures for Storm

Tank or Pond Manhole: S9, DS/PN: S1.009

Invert Level (m) 11.071

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	197.5	1.600	932.0	1.610	0.0

Tank or Pond Manhole: S14, DS/PN: S1.011

Invert Level (m) 10.491

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	163.0	1.400	835.0	1.410	0.0



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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 2  
Number of Online Controls 3 Number of Time/Area Diagrams 0  
Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
FEH Rainfall Version 2013  
Site Location GB 640286 267538 TM 40286 67538  
Data Type Point  
Cv (Summer) 0.750  
Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF  
Analysis Timestep Fine Inertia Status OFF  
DTS Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
720, 960, 1440, 2160, 2880  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1	30 Winter	2	+0%					12.870
S1.001	S2	30 Winter	2	+0%					12.704
S1.002	S3	15 Winter	2	+0%					12.626
S1.003	S4	15 Winter	2	+0%	100/15 Summer				12.473
S2.000	S25	30 Winter	2	+0%					16.594
S2.001	S26	30 Winter	2	+0%					15.171
S2.002	S7	30 Winter	2	+0%					14.507
S1.004	S5	15 Winter	2	+0%	100/15 Summer				12.330
S1.005	S6	15 Winter	2	+0%	100/15 Winter				12.080
S1.006	S7	15 Winter	2	+0%	100/15 Summer				11.797
S1.007	S7	30 Winter	2	+0%	30/30 Winter				11.503
S3.000	S12	30 Winter	2	+0%					16.739
S3.001	S13	15 Winter	2	+0%	100/15 Summer				16.497
S3.002	S14	15 Winter	2	+0%					14.224
S1.008	S8	30 Winter	2	+0%	30/15 Summer				11.361
S1.009	S9	2880 Winter	2	+0%	5/180 Winter				11.329

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for Storm

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)			
S1.000	S1	-0.197	0.000	0.04		1.8	OK	
S1.001	S2	-0.191	0.000	0.06		1.8	OK	
S1.002	S3	-0.157	0.000	0.20		6.7	OK	
S1.003	S4	-0.143	0.000	0.28		9.3	OK	
S2.000	S25	-0.163	0.000	0.13		3.6	FLOOD RISK*	
S2.001	S26	-0.291	0.000	0.11		6.8	OK	
S2.002	S7	-0.199	0.000	0.03		6.8	OK*	
S1.004	S5	-0.200	0.000	0.23		14.8	OK	
S1.005	S6	-0.196	0.000	0.25		15.9	OK	
S1.006	S7	-0.194	0.000	0.26		16.5	OK	
S1.007	S7	-0.203	0.000	0.23		18.9	OK	
S3.000	S12	-0.148	0.000	0.16		2.3	FLOOD RISK*	
S3.001	S13	-0.132	0.000	0.22		6.3	OK	
S3.002	S14	-0.201	0.000	0.03		6.3	OK*	
S1.008	S8	-0.158	0.000	0.45		25.9	OK	
S1.009	S9	-0.042	0.000	0.02		1.8	OK	

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for Storm

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S4.000	S10	30	Winter	2	+0%				12.325
S4.001	S12	15	Winter	2	+0%	100/15	Summer		12.041
S4.002	S11	15	Winter	2	+0%	30/15	Summer		11.758
S4.003	S12	15	Winter	2	+0%	30/15	Summer		11.447
S5.000	S15	30	Winter	2	+0%				16.057
S5.001	S16	15	Winter	2	+0%				15.603
S5.002	S17	15	Winter	2	+0%				14.780
S6.000	S14	2880	Winter	2	+0%	2/2160	Winter		11.326
S6.001	S15	2880	Winter	2	+0%	2/360	Winter		11.326
S1.010	S13	2880	Winter	2	+0%	2/180	Summer		11.327
S1.011	S14	2880	Winter	2	+0%	2/120	Summer		11.327
S1.012	S28	2880	Winter	2	+0%	2/60	Summer		11.320

PN	US/MH Name	Surcharged		Flooded		Pipe		Status	Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Flow (l/s)			
S4.000	S10	-0.275	0.000	0.10		10.5		OK	
S4.001	S12	-0.239	0.000	0.21		21.2		OK	
S4.002	S11	-0.202	0.000	0.35		32.2		OK	
S4.003	S12	-0.188	0.000	0.44		32.0		OK	
S5.000	S15	-0.252	0.000	0.01		2.2	FLOOD RISK*		
S5.001	S16	-0.227	0.000	0.03		5.1		OK	
S5.002	S17	-0.195	0.000	0.04		6.9		OK*	
S6.000	S14	0.051	0.000	0.00		0.3	SURCHARGED		
S6.001	S15	0.188	0.000	0.00		0.4	SURCHARGED		
S1.010	S13	0.335	0.000	0.03		4.3	SURCHARGED		
S1.011	S14	0.411	0.000	0.03		5.0	SURCHARGED		
S1.012	S28	0.552	0.000	0.08		9.6	FLOOD RISK		





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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 2  
Number of Online Controls 3 Number of Time/Area Diagrams 0  
Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
FEH Rainfall Version 2013  
Site Location GB 640286 267538 TM 40286 67538  
Data Type Point  
Cv (Summer) 0.750  
Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF  
Analysis Timestep Fine Inertia Status OFF  
DTS Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
720, 960, 1440, 2160, 2880  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1	30 Winter	5	+40%					12.881
S1.001	S2	30 Winter	5	+40%					12.718
S1.002	S3	15 Winter	5	+40%					12.654
S1.003	S4	15 Winter	5	+40%	100/15 Summer				12.509
S2.000	S25	30 Winter	5	+40%					16.632
S2.001	S26	15 Winter	5	+40%					15.237
S2.002	S7	15 Winter	5	+40%					14.518
S1.004	S5	15 Winter	5	+40%	100/15 Summer				12.378
S1.005	S6	15 Winter	5	+40%	100/15 Winter				12.129
S1.006	S7	15 Winter	5	+40%	100/15 Summer				11.846
S1.007	S7	30 Winter	5	+40%	30/30 Winter				11.545
S3.000	S12	30 Winter	5	+40%					16.779
S3.001	S13	15 Winter	5	+40%	100/15 Summer				16.548
S3.002	S14	15 Winter	5	+40%					14.233
S1.008	S8	2880 Winter	5	+40%	30/15 Summer				11.465
S1.009	S9	2880 Winter	5	+40%	5/180 Winter				11.464

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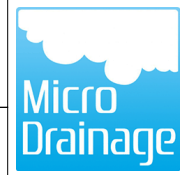
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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for Storm

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
S1.000	S1	-0.186	0.000	0.07		3.5	OK	
S1.001	S2	-0.177	0.000	0.10		3.5	OK	
S1.002	S3	-0.129	0.000	0.37		12.7	OK	
S1.003	S4	-0.107	0.000	0.54		17.5	OK	
S2.000	S25	-0.125	0.000	0.25		6.7	FLOOD RISK*	
S2.001	S26	-0.225	0.000	0.21		13.4	OK	
S2.002	S7	-0.188	0.000	0.06		13.4	OK*	
S1.004	S5	-0.153	0.000	0.46		29.2	OK	
S1.005	S6	-0.147	0.000	0.49		31.1	OK	
S1.006	S7	-0.145	0.000	0.50		32.1	OK	
S1.007	S7	-0.162	0.000	0.43		35.8	OK	
S3.000	S12	-0.108	0.000	0.31		4.4	FLOOD RISK*	
S3.001	S13	-0.081	0.000	0.44		12.5	OK	
S3.002	S14	-0.192	0.000	0.05		12.4	OK*	
S1.008	S8	-0.054	0.000	0.05		3.1	OK	
S1.009	S9	0.093	0.000	0.03		2.0	SURCHARGED	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for Storm

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S4.000	S10	30 Winter	5	+40%					12.356
S4.001	S12	15 Winter	5	+40%	100/15 Summer				12.088
S4.002	S11	15 Winter	5	+40%	30/15 Summer				11.827
S4.003	S12	15 Winter	5	+40%	30/15 Summer				11.527
S5.000	S15	30 Winter	5	+40%					16.074
S5.001	S16	15 Winter	5	+40%					15.628
S5.002	S17	15 Winter	5	+40%					14.793
S6.000	S14	2880 Winter	5	+40%	2/2160 Winter				11.428
S6.001	S15	2880 Winter	5	+40%	2/360 Winter				11.428
S1.010	S13	2880 Winter	5	+40%	2/180 Summer				11.428
S1.011	S14	2880 Winter	5	+40%	2/120 Summer				11.426
S1.012	S28	2880 Winter	5	+40%	2/60 Summer				11.320

PN	US/MH Name	Surcharged		Flooded		Pipe		Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Flow (l/s)	Status	
S4.000	S10	-0.244	0.000	0.20		19.8	OK	
S4.001	S12	-0.192	0.000	0.40		40.1	OK	
S4.002	S11	-0.133	0.000	0.66		60.9	OK	
S4.003	S12	-0.108	0.000	0.82		59.7	OK	
S5.000	S15	-0.235	0.000	0.02		4.2	FLOOD RISK*	
S5.001	S16	-0.202	0.000	0.06		9.6	OK	
S5.002	S17	-0.182	0.000	0.08		13.3	OK*	
S6.000	S14	0.153	0.000	0.01		0.5	SURCHARGED	
S6.001	S15	0.290	0.000	0.01		0.7	SURCHARGED	
S1.010	S13	0.436	0.000	0.04		5.4	SURCHARGED	
S1.011	S14	0.511	0.000	0.03		5.0	SURCHARGED	
S1.012	S28	0.553	0.000	0.09		9.9	FLOOD RISK	



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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 2  
Number of Online Controls 3 Number of Time/Area Diagrams 0  
Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
FEH Rainfall Version 2013  
Site Location GB 640286 267538 TM 40286 67538  
Data Type Point  
Cv (Summer) 0.750  
Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF  
Analysis Timestep Fine Inertia Status OFF  
DTS Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
720, 960, 1440, 2160, 2880  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1	30 Winter	30	+40%					12.893
S1.001	S2	15 Winter	30	+40%					12.733
S1.002	S3	15 Winter	30	+40%					12.704
S1.003	S4	15 Winter	30	+40%	100/15 Summer				12.594
S2.000	S25	30 Winter	30	+40%					16.673
S2.001	S26	15 Winter	30	+40%					15.317
S2.002	S7	15 Winter	30	+40%					14.534
S1.004	S5	15 Winter	30	+40%	100/15 Summer				12.454
S1.005	S6	15 Winter	30	+40%	100/15 Winter				12.203
S1.006	S7	15 Winter	30	+40%	100/15 Summer				11.917
S1.007	S7	30 Winter	30	+40%	30/30 Winter				11.718
S3.000	S12	30 Winter	30	+40%					16.821
S3.001	S13	15 Winter	30	+40%	100/15 Summer				16.611
S3.002	S14	15 Winter	30	+40%					14.247
S1.008	S8	1440 Winter	30	+40%	30/15 Summer				11.672
S1.009	S9	1440 Winter	30	+40%	5/180 Winter				11.669

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)			
S1.000	S1	-0.174	0.000	0.12		5.9	OK	
S1.001	S2	-0.162	0.000	0.17		5.7	OK	
S1.002	S3	-0.079	0.000	0.72		24.8	OK	
S1.003	S4	-0.022	0.000	1.00		32.6	OK	
S2.000	S25	-0.084	0.000	0.41		11.2	FLOOD RISK*	
S2.001	S26	-0.145	0.000	0.39		25.0	OK	
S2.002	S7	-0.172	0.000	0.12		25.1	OK*	
S1.004	S5	-0.077	0.000	0.86		54.6	OK	
S1.005	S6	-0.073	0.000	0.87		55.3	OK	
S1.006	S7	-0.074	0.000	0.86		55.0	OK	
S1.007	S7	0.012	0.000	0.71		58.6	SURCHARGED	
S3.000	S12	-0.066	0.000	0.52		7.5	FLOOD RISK*	
S3.001	S13	-0.018	0.000	0.84		24.1	OK	
S3.002	S14	-0.178	0.000	0.10		24.1	OK*	
S1.008	S8	0.153	0.000	0.15		8.5	SURCHARGED	
S1.009	S9	0.298	0.000	0.04		3.2	SURCHARGED	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S4.000	S10	30 Winter	30	+40%					12.389
S4.001	S12	15 Winter	30	+40%	100/15 Summer				12.181
S4.002	S11	15 Winter	30	+40%	30/15 Summer				12.047
S4.003	S12	15 Winter	30	+40%	30/15 Summer				11.663
S5.000	S15	30 Winter	30	+40%					16.097
S5.001	S16	15 Winter	30	+40%					15.654
S5.002	S17	15 Winter	30	+40%					14.811
S6.000	S14	1440 Winter	30	+40%	2/2160 Winter				11.610
S6.001	S15	1440 Winter	30	+40%	2/360 Winter				11.610
S1.010	S13	1440 Winter	30	+40%	2/180 Summer				11.610
S1.011	S14	1440 Winter	30	+40%	2/120 Summer				11.608
S1.012	S28	1440 Winter	30	+40%	2/60 Summer				11.320

PN	US/MH Name	Surcharged		Flooded		Pipe		Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Flow (l/s)	Status	
S4.000	S10	-0.211	0.000	0.33		33.2		OK
S4.001	S12	-0.099	0.000	0.68		68.0		OK
S4.002	S11	0.086	0.000	1.07		98.4		SURCHARGED
S4.003	S12	0.028	0.000	1.32		96.3		SURCHARGED
S5.000	S15	-0.212	0.000	0.04		7.0		FLOOD RISK*
S5.001	S16	-0.176	0.000	0.10		18.0		OK
S5.002	S17	-0.164	0.000	0.16		25.5		OK*
S6.000	S14	0.335	0.000	0.02		1.5		SURCHARGED
S6.001	S15	0.472	0.000	0.02		2.0		SURCHARGED
S1.010	S13	0.619	0.000	0.10		13.2		SURCHARGED
S1.011	S14	0.692	0.000	0.03		4.9		SURCHARGED
S1.012	S28	0.553	0.000	0.04		4.9		FLOOD RISK



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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
Hot Start Level (mm) 0 Inlet Coefficient 0.800  
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 2  
Number of Online Controls 3 Number of Time/Area Diagrams 0  
Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
FEH Rainfall Version 2013  
Site Location GB 640286 267538 TM 40286 67538  
Data Type Point  
Cv (Summer) 0.750  
Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF  
Analysis Timestep Fine Inertia Status OFF  
DTS Status ON

Profile(s) Summer and Winter  
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
720, 960, 1440, 2160, 2880  
Return Period(s) (years) 2, 5, 30, 100  
Climate Change (%) 0, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1	30 Winter	100	+40%					12.900
S1.001	S2	15 Winter	100	+40%					12.791
S1.002	S3	15 Winter	100	+40%					12.779
<b>S1.003</b>	<b>S4</b>	<b>15 Winter</b>	<b>100</b>	<b>+40%</b>	<b>100/15 Summer</b>				<b>12.672</b>
S2.000	S25	30 Winter	100	+40%					16.693
S2.001	S26	15 Winter	100	+40%					15.350
S2.002	S7	15 Winter	100	+40%					14.541
<b>S1.004</b>	<b>S5</b>	<b>15 Winter</b>	<b>100</b>	<b>+40%</b>	<b>100/15 Summer</b>				<b>12.566</b>
S1.005	S6	30 Winter	100	+40%	100/15 Winter				12.319
S1.006	S7	30 Winter	100	+40%	100/15 Summer				12.089
S1.007	S7	1440 Winter	100	+40%	30/30 Winter				11.923
S3.000	S12	30 Winter	100	+40%					16.846
<b>S3.001</b>	<b>S13</b>	<b>15 Winter</b>	<b>100</b>	<b>+40%</b>	<b>100/15 Summer</b>				<b>16.654</b>
S3.002	S14	15 Winter	100	+40%					14.251
S1.008	S8	1440 Winter	100	+40%	30/15 Summer				11.922
S1.009	S9	1440 Winter	100	+40%	5/180 Winter				11.919



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File SLR-AB-33-34.MDX

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)			
S1.000	S1	-0.167	0.000	0.15		7.6	OK	
S1.001	S2	-0.104	0.000	0.23		7.6	OK	
S1.002	S3	-0.004	0.000	0.84		28.8	OK	
S1.003	S4	0.056	0.000	1.19		38.9	SURCHARGED	
S2.000	S25	-0.064	0.000	0.53		14.5	FLOOD RISK*	
S2.001	S26	-0.112	0.000	0.50		32.2	OK	
S2.002	S7	-0.165	0.000	0.16		32.4	OK*	
S1.004	S5	0.035	0.000	1.04		65.6	SURCHARGED	
S1.005	S6	0.043	0.000	0.93		59.2	SURCHARGED	
S1.006	S7	0.098	0.000	0.95		60.6	SURCHARGED	
S1.007	S7	0.217	0.000	0.11		8.7	SURCHARGED	
S3.000	S12	-0.041	0.000	0.68		9.7	FLOOD RISK*	
S3.001	S13	0.025	0.000	1.01		28.9	SURCHARGED*	
S3.002	S14	-0.174	0.000	0.12		28.8	OK*	
S1.008	S8	0.403	0.000	0.21		11.9	SURCHARGED	
S1.009	S9	0.548	0.000	0.04		3.1	SURCHARGED	

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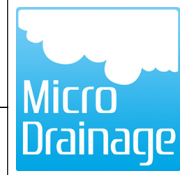
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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S4.000	S10	15 Winter	100	+40%					12.445
S4.001	S12	15 Winter	100	+40%	100/15 Summer				12.397
<b>S4.002</b>	<b>S11</b>	<b>15 Winter</b>	<b>100</b>	<b>+40%</b>	<b>30/15 Summer</b>				<b>12.252</b>
S4.003	S12	1440 Winter	100	+40%	30/15 Summer				11.858
S5.000	S15	30 Winter	100	+40%					16.105
S5.001	S16	15 Winter	100	+40%					15.669
S5.002	S17	15 Winter	100	+40%					14.820
S6.000	S14	1440 Winter	100	+40%	2/2160 Winter				11.858
S6.001	S15	1440 Winter	100	+40%	2/360 Winter				11.858
S1.010	S13	1440 Winter	100	+40%	2/180 Summer				11.858
S1.011	S14	1440 Winter	100	+40%	2/120 Summer				11.855
S1.012	S28	960 Winter	100	+40%	2/60 Summer				11.320

PN	US/MH Name	Surcharged		Flooded		Pipe		Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Flow (l/s)	Status	
S4.000	S10	-0.155	0.000	0.41		41.2		OK
S4.001	S12	0.117	0.000	0.78		77.9		SURCHARGED
<b>S4.002</b>	<b>S11</b>	<b>0.292</b>	<b>0.000</b>	<b>1.23</b>		<b>113.5</b>		<b>SURCHARGED</b>
S4.003	S12	0.224	0.000	0.17		12.5		SURCHARGED
S5.000	S15	-0.204	0.000	0.05		9.1		FLOOD RISK*
S5.001	S16	-0.161	0.000	0.13		23.0		OK
S5.002	S17	-0.155	0.000	0.20		32.6		OK*
S6.000	S14	0.583	0.000	0.03		2.2		FLOOD RISK
S6.001	S15	0.720	0.000	0.03		3.0		SURCHARGED
S1.010	S13	0.866	0.000	0.14		18.8		SURCHARGED
S1.011	S14	0.940	0.000	0.03		5.0		SURCHARGED
S1.012	S28	0.553	0.000	0.04		5.0		FLOOD RISK



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STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for SLR-AB-37

Pipe Sizes STANDARD Manhole Sizes STANDARD

FEH Rainfall Model

Return Period (years)	100
FEH Rainfall Version	2013
Site Location	GB 640286 267538 TM 40286 67538
Data Type	Point
Maximum Rainfall (mm/hr)	50
Maximum Time of Concentration (mins)	30
Foul Sewage (l/s/ha)	0.000
Volumetric Runoff Coeff.	0.750
PIMP (%)	100
Add Flow / Climate Change (%)	0
Minimum Backdrop Height (m)	0.200
Maximum Backdrop Height (m)	1.500
Min Design Depth for Optimisation (m)	0.825
Min Vel for Auto Design only (m/s)	1.00
Min Slope for Optimisation (1:X)	500

Designed with Level Inverts

Time Area Diagram for SLR-AB-37

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.061	8-12	0.878	16-20	0.151	24-28	0.040	32-36	0.010	40-44	0.001
4-8	0.707	12-16	0.295	20-24	0.090	28-32	0.014	36-40	0.007		

Total Area Contributing (ha) = 2.254

Total Pipe Volume (m³) = 316.170

Network Design Table for SLR-AB-37

« - Indicates pipe capacity < flow

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k	n	HYD SECT (mm)	DIA (mm)	Section Type	Auto Design
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Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
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Network Design Table for SLR-AB-37

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
E5.000	64.547	0.461	140.0	0.058	15.00	0.0	0.600		o	225	Pipe/Conduit	
E5.001	69.424	0.248	280.0	0.199	0.00	0.0	0.600		o	300	Pipe/Conduit	
E5.002	4.198	0.014	300.0	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit	
E6.000	62.339	0.416	150.0	0.055	5.00	0.0	0.600		o	225	Pipe/Conduit	
E6.001	77.360	0.557	138.9	0.014	0.00	0.0	0.600		o	225	Pipe/Conduit	
E6.002	21.007	0.218	96.4	0.003	0.00	0.0	0.600		o	225	Pipe/Conduit	
E6.003	3.049	0.272	11.2	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E7.000	47.132	0.471	100.0	0.024	15.00	0.0		0.100	13	-13	Pipe/Conduit	
E7.001	101.360	0.676	150.0	0.052	0.00	0.0		0.100	13	-13	Pipe/Conduit	
E7.002	125.769	2.515	50.0	0.063	0.00	0.0		0.100	13	-13	Pipe/Conduit	
E7.003	4.135	0.041	100.9	0.000	0.00	0.0		0.100	13	-13	Pipe/Conduit	
E6.004	55.747	0.531	105.0	0.008	0.00	0.0	0.600		o	225	Pipe/Conduit	
E6.005	14.423	0.283	51.0	0.002	0.00	0.0	0.600		o	225	Pipe/Conduit	
E6.006	15.204	0.433	35.1	0.003	0.00	0.0	0.600		o	225	Pipe/Conduit	
E6.007	13.193	0.408	32.3	0.002	0.00	0.0	0.600		o	225	Pipe/Conduit	
E6.008	41.391	0.259	160.0	0.007	0.00	0.0	0.600		o	225	Pipe/Conduit	
E6.009	20.194	0.459	44.0	0.003	0.00	0.0	0.600		o	225	Pipe/Conduit	
E6.010	40.041	0.133	300.0	0.006	0.00	0.0	0.600		o	300	Pipe/Conduit	
E6.011	24.562	0.082	300.0	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
E5.000	50.00	15.98	7.778	0.058	0.0	0.0	0.0	1.10	43.9	7.8
E5.001	50.00	17.21	7.317	0.257	0.0	0.0	0.0	0.93	66.1	34.8
E5.002	50.00	17.29	7.069	0.257	0.0	0.0	0.0	0.90	63.8	34.8
E6.000	-10.04	5.98	12.282	0.055	0.0	0.0	0.0	1.07	42.4	0.0
E6.001	-8.40	7.14	11.866	0.069	0.0	0.0	0.0	1.11	44.0	0.0
E6.002	-8.11	7.40	11.309	0.072	0.0	0.0	0.0	1.33	53.0	0.0
E6.003	-8.09	7.42	11.091	0.072	0.0	0.0	0.0	3.93	156.4	0.0
E7.000	50.00	17.49	15.206	0.024	0.0	0.0	0.0	0.32	78.8	3.2
E7.001	50.00	24.06	14.735	0.076	0.0	0.0	0.0	0.26	64.3	10.3
E7.002	50.00	28.77	14.059	0.139	0.0	0.0	0.0	0.45	111.4	18.8
E7.003	50.00	28.99	11.544	0.139	0.0	0.0	0.0	0.31	78.4	18.8
E6.004	50.00	29.71	10.788	0.219	0.0	0.0	0.0	1.28	50.7	29.7
E6.005	50.00	29.85	10.257	0.221	0.0	0.0	0.0	1.84	73.0	30.0
E6.006	50.00	29.96	9.974	0.224	0.0	0.0	0.0	2.22	88.1	30.3
E6.007	50.00	30.00	9.541	0.226	0.0	0.0	0.0	2.31	91.8	30.7
E6.008	50.00	30.00	9.133	0.234	0.0	0.0	0.0	1.03	41.0	31.6
E6.009	50.00	30.00	8.874	0.237	0.0	0.0	0.0	1.98	78.6	32.1
E6.010	50.00	30.00	8.415	0.243	0.0	0.0	0.0	0.90	63.8	32.9
E6.011	50.00	30.00	8.282	0.243	0.0	0.0	0.0	0.90	63.8	32.9

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Network Design Table for SLR-AB-37

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
E6.012	22.607	0.459	49.3	0.003	0.00	0.0	0.600		o	300	Pipe/Conduit	
E8.000	17.475	0.070	249.6	0.003	15.00	0.0	0.600		o	300	Pipe/Conduit	
E9.000	30.238	0.432	70.0	0.025	15.00	0.0	0.600		o	300	Pipe/Conduit	
E9.001	18.186	0.260	70.0	0.021	0.00	0.0	0.600		o	300	Pipe/Conduit	
E9.002	96.703	1.209	80.0	0.117	0.00	0.0	0.600		o	300	Pipe/Conduit	
E9.003	92.877	1.032	90.0	0.113	0.00	0.0	0.600		o	350	Pipe/Conduit	
E9.004	24.489	0.290	84.5	0.067	0.00	0.0	0.600		o	350	Pipe/Conduit	
E10.000	64.036	0.800	80.0	0.019	15.00	0.0	0.600		o	225	Pipe/Conduit	
E11.000	15.494	0.103	150.0	0.012	15.00	0.0	0.600		o	225	Pipe/Conduit	
E11.001	17.187	0.246	70.0	0.013	0.00	0.0	0.600		o	225	Pipe/Conduit	
E11.002	21.338	0.194	110.0	0.004	0.00	0.0	0.600		o	225	Pipe/Conduit	
E11.003	62.314	0.890	70.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E11.004	19.232	0.214	90.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E11.005	18.306	0.305	60.0	0.101	0.00	0.0	0.600		o	225	Pipe/Conduit	
E11.006	27.823	0.278	100.1	0.044	0.00	0.0	0.600		o	300	Pipe/Conduit	
E11.007	14.971	0.166	90.0	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit	
E11.008	62.630	0.482	130.0	0.023	0.00	0.0	0.600		o	300	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
E6.012	50.00	30.00	8.200	0.247	0.0	0.0	0.0	2.24	158.7	33.4
E8.000	50.00	15.29	7.640	0.003	0.0	0.0	0.0	0.99	70.0	0.4
E9.000	50.00	15.27	12.697	0.025	0.0	0.0	0.0	1.88	133.0	3.4
E9.001	50.00	15.43	12.265	0.046	0.0	0.0	0.0	1.88	133.0	6.2
E9.002	50.00	16.34	12.005	0.163	0.0	0.0	0.0	1.76	124.4	22.1
E9.003	50.00	17.19	10.796	0.276	0.0	0.0	0.0	1.83	176.0	37.4
E9.004	50.00	17.41	9.764	0.343	0.0	0.0	0.0	1.89	181.6	46.5
E10.000	50.00	15.73	10.811	0.019	0.0	0.0	0.0	1.46	58.2	2.6
E11.000	50.00	15.24	12.782	0.012	0.0	0.0	0.0	1.07	42.4	1.7
E11.001	50.00	15.43	12.679	0.025	0.0	0.0	0.0	1.57	62.2	3.4
E11.002	50.00	15.71	12.433	0.029	0.0	0.0	0.0	1.25	49.5	3.9
E11.003	50.00	16.37	12.239	0.029	0.0	0.0	0.0	1.57	62.2	3.9
E11.004	50.00	16.61	11.349	0.029	0.0	0.0	0.0	1.38	54.8	3.9
E11.005	50.00	16.79	11.135	0.130	0.0	0.0	0.0	1.69	67.3	17.6
E11.006	50.00	17.08	10.830	0.173	0.0	0.0	0.0	1.57	111.1	23.5
E11.007	50.00	17.23	10.552	0.173	0.0	0.0	0.0	1.66	117.2	23.5
E11.008	50.00	17.99	10.386	0.196	0.0	0.0	0.0	1.38	97.4	26.6

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Network Design Table for SLR-AB-37

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
E12.000	43.629	0.545	80.0	0.032	15.00	0.0	0.600		o	225	Pipe/Conduit	
E12.001	31.340	0.209	150.0	0.044	0.00	0.0	0.600		o	225	Pipe/Conduit	
E12.002	18.096	0.090	200.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E12.003	11.395	0.076	150.0	0.018	0.00	0.0	0.600		o	225	Pipe/Conduit	
E12.004	32.263	0.161	200.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E12.005	15.158	0.379	40.0	0.053	0.00	0.0	0.600		o	225	Pipe/Conduit	
E10.001	31.927	0.532	60.0	0.037	0.00	0.0	0.600		o	350	Pipe/Conduit	
E9.005	33.509	0.335	100.0	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit	
E9.006	67.594	0.845	80.0	0.079	0.00	0.0	0.600		o	400	Pipe/Conduit	
E9.007	63.103	0.421	150.0	0.000	0.00	0.0	0.600		o	400	Pipe/Conduit	
E9.008	18.964	0.126	150.5	0.085	0.00	0.0	0.600		o	400	Pipe/Conduit	
E6.013	18.125	0.060	300.0	0.006	0.00	0.0	0.600		o	450	Pipe/Conduit	
E13.000	60.826	2.112	28.8	0.061	15.00	0.0	0.600		o	225	Pipe/Conduit	
E13.001	11.863	0.332	35.8	0.027	0.00	0.0	0.600		o	225	Pipe/Conduit	
E13.002	33.980	0.095	359.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E6.014	56.713	0.399	142.0	0.064	0.00	0.0	0.600		o	450	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
E12.000	50.00	15.50	11.375	0.032	0.0	0.0	0.0	1.46	58.2	4.3
E12.001	50.00	15.99	10.830	0.076	0.0	0.0	0.0	1.07	42.4	10.3
E12.002	50.00	16.31	10.621	0.076	0.0	0.0	0.0	0.92	36.6	10.3
E12.003	50.00	16.49	10.530	0.094	0.0	0.0	0.0	1.07	42.4	12.7
E12.004	50.00	17.08	10.454	0.094	0.0	0.0	0.0	0.92	36.6	12.7
E12.005	50.00	17.20	10.293	0.147	0.0	0.0	0.0	2.07	82.5	19.9
E10.001	50.00	18.23	9.914	0.398	0.0	0.0	0.0	2.24	215.8	54.0
E9.005	50.00	18.52	9.382	0.742	0.0	0.0	0.0	1.89	237.2	100.5
E9.006	50.00	19.06	9.047	0.821	0.0	0.0	0.0	2.11	265.4	111.2
E9.007	50.00	19.74	8.202	0.821	0.0	0.0	0.0	1.54	193.4	111.2
E9.008	50.00	19.95	7.781	0.907	0.0	0.0	0.0	1.54	193.0	122.8
E6.013	50.00	30.00	7.572	1.162	0.0	0.0	0.0	1.17	185.8	157.4
E13.000	50.00	15.41	10.050	0.061	0.0	0.0	0.0	2.45	97.3	8.3
E13.001	50.00	15.50	7.938	0.088	0.0	0.0	0.0	2.20	87.3	11.9
E13.002	50.00	16.33	7.606	0.088	0.0	0.0	0.0	0.68	27.2	11.9
E6.014	50.00	30.00	7.512	1.314	0.0	0.0	0.0	1.70	271.0	178.0



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Network Design Table for SLR-AB-37

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
E14.000	66.905	1.912	35.0	0.001	15.00	0.0	0.600		o	225	Pipe/Conduit	
E14.001	5.525	0.094	58.8	0.013	0.00	0.0	0.600		o	225	Pipe/Conduit	
E14.002	20.901	0.139	150.0	0.015	0.00	0.0	0.600		o	225	Pipe/Conduit	
E14.003	14.413	0.160	90.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E6.015	6.524	0.026	250.0	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit	
E6.016	17.375	0.070	250.0	0.024	0.00	0.0	0.600		o	450	Pipe/Conduit	
E6.017	60.564	0.242	250.0	0.015	0.00	0.0	0.600		o	450	Pipe/Conduit	
E6.018	7.954	0.015	531.8	0.008	0.00	0.0	0.600		o	525	Pipe/Conduit	
E6.019	22.251	0.121	184.1	0.000	0.00	0.0	0.600		o	525	Pipe/Conduit	
E15.000	29.619	0.506	58.5	0.015	15.00	0.0		0.100	SCV	-12	Pipe/Conduit	
E15.001	50.690	0.507	100.0	0.027	0.00	0.0		0.100	SCV	-12	Pipe/Conduit	
E15.002	49.808	0.249	200.0	0.000	0.00	0.0		0.100	SCV	-12	Pipe/Conduit	
E15.003	53.781	0.269	200.0	0.051	0.00	0.0		0.100	SCV	-12	Pipe/Conduit	
E15.004	76.383	0.382	200.0	0.037	0.00	0.0		0.100	13	-13	Pipe/Conduit	
E15.005	32.314	1.545	20.9	0.015	0.00	0.0		0.100	13	-13	Pipe/Conduit	
E15.006	6.189	0.062	99.8	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit	
E5.003	66.606	0.136	489.7	0.086	0.00	0.0	0.600		o	600	Pipe/Conduit	
E16.000	68.600	0.457	150.1	0.065	15.00	0.0	0.600		o	300	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
E14.000	50.00	15.50	9.419	0.001	0.0	0.0	0.0	2.22	88.2	0.2
E14.001	50.00	15.56	7.507	0.014	0.0	0.0	0.0	1.71	68.0	1.9
E14.002	50.00	15.88	7.413	0.029	0.0	0.0	0.0	1.07	42.4	3.9
E14.003	50.00	16.06	7.274	0.029	0.0	0.0	0.0	1.38	54.8	3.9
E6.015	50.00	30.00	7.112	1.343	0.0	0.0	0.0	1.28	203.8	181.9
E6.016	50.00	30.00	7.086	1.367	0.0	0.0	0.0	1.28	203.8	185.2
E6.017	50.00	30.00	7.017	1.383	0.0	0.0	0.0	1.28	203.8	187.3
E6.018	50.00	30.00	6.774	1.391	0.0	0.0	0.0	0.96	208.7	188.3
E6.019	50.00	30.00	6.759	1.391	0.0	0.0	0.0	1.65	356.6	188.3
E15.000	50.00	16.69	10.633	0.015	0.0	0.0	0.0	0.29	26.3	2.0
E15.001	50.00	20.46	10.127	0.042	0.0	0.0	0.0	0.22	20.2	5.8
E15.002	50.00	25.70	9.620	0.042	0.0	0.0	0.0	0.16	14.3	5.8
E15.003	50.00	30.00	9.371	0.094	0.0	0.0	0.0	0.16	14.3	12.7
E15.004	50.00	30.00	9.102	0.131	0.0	0.0	0.0	0.22	55.7	17.7
E15.005	50.00	30.00	8.720	0.146	0.0	0.0	0.0	0.69	172.2	19.8
E15.006	50.00	30.00	7.175	0.146	0.0	0.0	0.0	1.57	111.2	19.8
E5.003	50.00	30.00	7.071	1.880	0.0	0.0	0.0	1.09	309.2	254.6
E16.000	50.00	15.89	9.275	0.065	0.0	0.0	0.0	1.28	90.5	8.9



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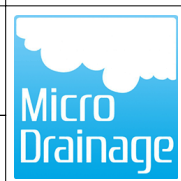
Network Design Table for SLR-AB-37

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
E16.001	68.600	0.343	200.0	0.074	0.00	0.0	0.600		o	300	Pipe/Conduit	
E16.002	74.582	0.373	200.0	0.092	0.00	0.0	0.600		o	300	Pipe/Conduit	
E16.003	11.147	0.056	200.0	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit	
E17.000	51.815	0.207	250.0	0.016	15.00	0.0	0.600		o	225	Pipe/Conduit	
E17.001	51.815	0.207	250.0	0.008	0.00	0.0	0.600		o	225	Pipe/Conduit	
E17.002	3.816	0.015	250.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E17.003	11.064	0.044	250.0	0.007	0.00	0.0	0.600		o	225	Pipe/Conduit	
E17.004	3.908	0.016	250.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E17.005	28.853	0.115	250.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E17.006	11.888	0.048	250.0	0.004	0.00	0.0	0.600		o	225	Pipe/Conduit	
E17.007	54.394	0.276	197.1	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
E16.004	40.354	0.242	166.9	0.031	0.00	0.0	0.600		o	300	Pipe/Conduit	
E16.005	38.206	0.889	43.0	0.040	0.00	0.0	0.600		o	300	Pipe/Conduit	
E5.004	43.648	0.145	300.0	0.000	0.00	0.0	0.600		o	600	Pipe/Conduit	
E5.005	76.211	0.254	300.0	0.036	0.00	0.0	0.600		o	225	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
E16.001	50.00	16.92	8.818	0.139	0.0	0.0	0.0	1.11	78.3	18.9
E16.002	50.00	18.05	8.475	0.232	0.0	0.0	0.0	1.11	78.3	31.4
E16.003	50.00	18.21	8.102	0.232	0.0	0.0	0.0	1.11	78.3	31.4
E17.000	50.00	16.05	8.975	0.016	0.0	0.0	0.0	0.82	32.7	2.1
E17.001	50.00	17.10	8.768	0.024	0.0	0.0	0.0	0.82	32.7	3.2
E17.002	50.00	17.18	8.560	0.024	0.0	0.0	0.0	0.82	32.7	3.2
E17.003	50.00	17.40	8.545	0.031	0.0	0.0	0.0	0.82	32.7	4.2
E17.004	50.00	17.48	8.501	0.031	0.0	0.0	0.0	0.82	32.7	4.2
E17.005	50.00	18.07	8.485	0.031	0.0	0.0	0.0	0.82	32.7	4.2
E17.006	50.00	18.31	8.370	0.035	0.0	0.0	0.0	0.82	32.7	4.7
E17.007	50.00	19.28	8.322	0.035	0.0	0.0	0.0	0.93	36.9	4.7
E16.004	50.00	19.84	8.046	0.297	0.0	0.0	0.0	1.21	85.8	40.3
E16.005	50.00	20.10	7.805	0.338	0.0	0.0	0.0	2.40	170.0	45.7
E5.004	50.00	30.00	6.916	2.217	0.0	0.0	0.0	1.40	396.0	300.3
E5.005	50.00	30.00	6.790	2.254	0.0	0.0	0.0	0.75	29.8<	305.2

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Conduit Sections for SLR-AB-37

NOTE: Diameters less than 66 refer to section numbers of hydraulic conduits. These conduits are marked by the symbols:- [] box culvert, \/ open channel, oo dual pipe, ooo triple pipe, O egg.

Section numbers < 0 are taken from user conduit table

Section Number	Conduit Type	Major Dimn. (mm)	Minor Dimn. (mm)	Side Slope (Deg)	Corner Splay (mm)	4*Hyd Radius (m)	XSect Area (m <sup>2</sup> )
-12	SCV	600	300			0.424	0.090
-13	13	1000	500			0.707	0.250



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Manhole Schedules for SLR-AB-37

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam., L*W (mm)	PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Backdrop (mm)
E85	8.603	0.825	Open Manhole	1200	E5.000	7.778	225				
E2	7.900	0.583	Open Manhole	1200	E5.001	7.317	300	E5.000	7.317	225	
E49	8.101	1.032	Open Manhole	1200	E5.002	7.069	300	E5.001	7.069	300	
E1	13.107	0.825	Open Manhole	1200	E6.000	12.282	225				
E2	12.781	0.915	Open Manhole	1200	E6.001	11.866	225	E6.000	11.866	225	
E3	12.224	0.915	Open Manhole	1200	E6.002	11.309	225	E6.001	11.309	225	
E4	12.006	0.915	Open Manhole	1200	E6.003	11.091	225	E6.002	11.091	225	
E8	16.461	1.255	Junction		E7.000	15.206	-13				
E9	15.430	0.695	Junction		E7.001	14.735	-13	E7.000	14.735	-13	
E10	15.415	1.356	Junction		E7.002	14.059	-13	E7.001	14.059	-13	
E11	12.331	0.787	Junction		E7.003	11.544	-13	E7.002	11.544	-13	
E5	11.613	0.825	Open Manhole	10000	E6.004	10.788	225	E6.003	10.819	225	31
								E7.003	11.503	-13	990
E4	11.082	0.825	Open Manhole	1200	E6.005	10.257	225	E6.004	10.257	225	
E7	10.799	0.825	Open Manhole	1200	E6.006	9.974	225	E6.005	9.974	225	
E7	10.366	0.825	Open Manhole	1200	E6.007	9.541	225	E6.006	9.541	225	
E8	9.958	0.825	Open Manhole	1200	E6.008	9.133	225	E6.007	9.133	225	
E11	9.866	0.992	Open Manhole	1200	E6.009	8.874	225	E6.008	8.874	225	
E11	9.300	0.885	Open Manhole	1200	E6.010	8.415	300	E6.009	8.415	225	
E13	9.659	1.377	Open Manhole	1200	E6.011	8.282	300	E6.010	8.282	300	
E14	9.345	1.145	Open Manhole	1200	E6.012	8.200	300	E6.011	8.200	300	
E18	8.840	1.200	Open Manhole	1200	E8.000	7.640	300				
E21	13.597	0.900	Open Manhole	1200	E9.000	12.697	300				
E22	13.302	1.037	Open Manhole	1200	E9.001	12.265	300	E9.000	12.265	300	
E23	13.100	1.095	Open Manhole	1200	E9.002	12.005	300	E9.001	12.005	300	
E24	11.747	0.950	Open Manhole	1200	E9.003	10.796	350	E9.002	10.796	300	
E25	10.737	0.973	Open Manhole	1200	E9.004	9.764	350	E9.003	9.764	350	
E34	11.636	0.825	Open Manhole	1200	E10.000	10.811	225				
E31	13.607	0.825	Open Manhole	1200	E11.000	12.782	225				
E32	13.592	0.913	Open Manhole	1200	E11.001	12.679	225	E11.000	12.679	225	
E33	13.280	0.847	Open Manhole	1200	E11.002	12.433	225	E11.001	12.433	225	
E34	13.031	0.792	Open Manhole	1200	E11.003	12.239	225	E11.002	12.239	225	
E35	12.299	0.950	Open Manhole	1200	E11.004	11.349	225	E11.003	11.349	225	
E30	12.201	1.065	Open Manhole	1200	E11.005	11.135	225	E11.004	11.135	225	
E31	11.898	1.068	Open Manhole	1200	E11.006	10.830	300	E11.005	10.830	225	
E32	11.621	1.068	Open Manhole	1200	E11.007	10.552	300	E11.006	10.552	300	
E33	11.373	0.987	Open Manhole	1200	E11.008	10.386	300	E11.007	10.386	300	



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Manhole Schedules for SLR-AB-37

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Backdrop (mm)
E90	12.201	0.826	Open Manhole	1200	E12.000	11.375	225				
E91	11.733	0.904	Open Manhole	1200	E12.001	10.830	225	E12.000	10.830	225	
E92	11.234	0.613	Open Manhole	1200	E12.002	10.621	225	E12.001	10.621	225	
E94	11.440	0.910	Open Manhole	1200	E12.003	10.530	225	E12.002	10.530	225	
E95	11.293	0.838	Open Manhole	1200	E12.004	10.454	225	E12.003	10.454	225	
E42	10.995	0.702	Open Manhole	1200	E12.005	10.293	225	E12.004	10.293	225	
E34	10.827	0.923	Open Manhole	1200	E10.001	9.914	350	E10.000	10.011	225	
								E11.008	9.904	300	
								E12.005	9.914	225	
E30	10.502	1.120	Open Manhole	1350	E9.005	9.382	400	E9.004	9.475	350	43
								E10.001	9.382	350	
E26	10.161	1.114	Open Manhole	1350	E9.006	9.047	400	E9.005	9.047	400	
E27	9.444	1.242	Open Manhole	1350	E9.007	8.202	400	E9.006	8.202	400	
E26	8.741	0.960	Open Manhole	1350	E9.008	7.781	400	E9.007	7.781	400	
E15	8.622	1.052	Open Manhole	1350	E6.013	7.572	450	E6.012	7.741	300	19
								E8.000	7.570	300	
								E9.008	7.655	400	33
E16	10.741	0.691	Open Manhole	1200	E13.000	10.050	225				
E17	8.633	0.695	Open Manhole	1200	E13.001	7.938	225	E13.000	7.938	225	
E68	8.550	0.944	Open Manhole	1200	E13.002	7.606	225	E13.001	7.606	225	
E16	9.500	1.988	Open Manhole	1350	E6.014	7.512	450	E6.013	7.512	450	
								E13.002	7.512	225	
E35	10.244	0.825	Open Manhole	1200	E14.000	9.419	225				
E36	8.391	0.884	Open Manhole	1200	E14.001	7.507	225	E14.000	7.507	225	
E37	8.182	0.769	Open Manhole	1200	E14.002	7.413	225	E14.001	7.413	225	
E38	8.369	1.095	Open Manhole	1200	E14.003	7.274	225	E14.002	7.274	225	
E39	8.369	1.257	Open Manhole	1350	E6.015	7.112	450	E6.014	7.112	450	
								E14.003	7.114	225	
E38	8.369	1.283	Open Manhole	1350	E6.016	7.086	450	E6.015	7.086	450	
E39	8.931	1.915	Open Manhole	1350	E6.017	7.017	450	E6.016	7.017	450	
E40	8.796	2.022	Open Manhole	1500	E6.018	6.774	525	E6.017	6.774	450	
E61	8.808	2.048	Open Manhole	1500	E6.019	6.759	525	E6.018	6.759	525	
E51	10.933	0.300	Junction		E15.000	10.633	-12				
E50	10.587	0.460	Junction		E15.001	10.127	-12	E15.000	10.127	-12	
E51	10.450	0.830	Junction		E15.002	9.620	-12	E15.001	9.620	-12	
E52	10.357	0.986	Junction		E15.003	9.371	-12	E15.002	9.371	-12	
E53	10.218	1.116	Junction		E15.004	9.102	-13	E15.003	9.102	-12	



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Manhole Schedules for SLR-AB-37

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam., L*W (mm)	PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Backdrop (mm)
E54	9.376	0.656	Junction		E15.005	8.720	-13	E15.004	8.720	-13	
E68	8.100	0.925	Junction		E15.006	7.175	300	E15.005	7.175	-13	
E62	8.248	1.609	Open Manhole	1500	E5.003	7.071	600	E5.002	7.055	300	
								E6.019	6.639	525	
								E15.006	7.113	300	
E47	10.100	0.825	Open Manhole	1200	E16.000	9.275	300				
E48	10.100	1.282	Open Manhole	1200	E16.001	8.818	300	E16.000	8.818	300	
E48	10.100	1.625	Open Manhole	1200	E16.002	8.475	300	E16.001	8.475	300	
E82	9.648	1.546	Open Manhole	1200	E16.003	8.102	300	E16.002	8.102	300	
E58	9.800	0.825	Open Manhole	1200	E17.000	8.975	225				
E66	10.300	1.532	Open Manhole	1200	E17.001	8.768	225	E17.000	8.768	225	
E59	10.300	1.740	Open Manhole	1200	E17.002	8.560	225	E17.001	8.560	225	
E60	10.706	2.161	Open Manhole	1200	E17.003	8.545	225	E17.002	8.545	225	
E61	10.715	2.214	Open Manhole	1200	E17.004	8.501	225	E17.003	8.501	225	
E62	10.192	1.706	Open Manhole	1200	E17.005	8.485	225	E17.004	8.485	225	
E63	9.866	1.496	Open Manhole	1200	E17.006	8.370	225	E17.005	8.370	225	
E64	10.443	2.121	Open Manhole	1200	E17.007	8.322	225	E17.006	8.322	225	
E82	9.931	1.885	Open Manhole	1200	E16.004	8.046	300	E16.003	8.046	300	
								E17.007	8.046	225	
E83	9.438	1.634	Open Manhole	1200	E16.005	7.805	300	E16.004	7.805	300	
E89	8.953	2.037	Open Manhole	1500	E5.004	6.916	600	E5.003	6.935	600	19
								E16.005	6.916	300	
E57	8.000	1.229	Open Manhole	1500	E5.005	6.790	225	E5.004	6.771	600	
E	8.120	1.584	Open Manhole	0		OUTFALL		E5.005	6.536	225	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
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E85	643965.623	265411.027	643965.623	265411.027	Required	
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E2	644018.788	265374.451	644018.788	265374.451	Required	
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E49	644070.194	265327.844	644070.194	265327.844	Required	
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Manhole Schedules for SLR-AB-37

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
E1	643572.622	265487.350	643572.622	265487.350	Required	
E2	643634.789	265491.802	643634.789	265491.802	Required	
E3	643712.019	265495.901	643712.019	265495.901	Required	
E4	643733.017	265495.307	643733.017	265495.307	Required	
E8	643458.587	265501.433			No Entry	
E9	643505.241	265494.736			No Entry	
E10	643606.309	265502.422			No Entry	
E11	643732.071	265501.136			No Entry	
E5	643734.635	265497.892	643734.635	265497.892	Required	
E4	643790.172	265493.058	643790.172	265493.058	Required	
E7	643804.212	265489.756	643804.212	265489.756	Required	
E7	643819.283	265487.755	643819.283	265487.755	Required	
E8	643832.270	265485.429	643832.270	265485.429	Required	
E11	643871.711	265472.875	643871.711	265472.875	Required	
E11	643891.039	265467.026	643891.039	265467.026	Required	
E13	643927.238	265449.909	643927.238	265449.909	Required	

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Manhole Schedules for SLR-AB-37

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
E14	643949.422	265439.367	643949.422	265439.367	Required	
E18	643985.059	265421.268	643985.059	265421.268	Required	
E21	643582.510	265431.377	643582.510	265431.377	Required	
E22	643584.873	265461.522	643584.873	265461.522	Required	
E23	643596.185	265473.628	643596.185	265473.628	Required	
E24	643692.351	265483.166	643692.351	265483.166	Required	
E25	643784.881	265477.342	643784.881	265477.342	Required	
E34	643836.822	265385.384	643836.822	265385.384	Required	
E31	643582.886	265428.652	643582.886	265428.652	Required	
E32	643584.214	265413.215	643584.214	265413.215	Required	
E33	643597.460	265406.221	643597.460	265406.221	Required	
E34	643618.170	265411.362	643618.170	265411.362	Required	
E35	643675.285	265436.281	643675.285	265436.281	Required	
E30	643692.174	265445.480	643692.174	265445.480	Required	
E31	643708.508	265453.746	643708.508	265453.746	Required	
E32	643735.455	265460.675	643735.455	265460.675	Required	

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Manhole Schedules for SLR-AB-37

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
E33	643750.112	265463.721	643750.112	265463.721	Required	
E90	643679.528	265432.415	643679.528	265432.415	Required	
E91	643719.757	265449.120	643719.757	265449.120	Required	
E92	643750.940	265450.860	643750.940	265450.860	Required	
E94	643768.908	265448.709	643768.908	265448.709	Required	
E95	643779.499	265444.505	643779.499	265444.505	Required	
E42	643805.529	265425.724	643805.529	265425.724	Required	
E34	643807.280	265440.781	643807.280	265440.781	Required	
E30	643808.874	265472.668	643808.874	265472.668	Required	
E26	643841.535	265465.352	643841.535	265465.352	Required	
E27	643905.310	265443.110	643905.310	265443.110	Required	
E26	643961.088	265413.851	643961.088	265413.851	Required	
E15	643970.208	265430.478	643970.208	265430.478	Required	
E16	644004.813	265516.792	644004.813	265516.792	Required	
E17	644016.099	265458.645	644016.099	265458.645	Required	
E68	644012.980	265447.211	644012.980	265447.211	Required	



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Manhole Schedules for SLR-AB-37

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
E16	643979.012	265446.321	643979.012	265446.321	Required	
E35	644021.944	265514.535	644021.944	265514.535	Required	
E36	644039.241	265452.005	644039.241	265452.005	Required	
E37	644038.711	265446.506	644038.711	265446.506	Required	
E38	644032.502	265426.605	644032.502	265426.605	Required	
E39	644025.591	265413.968	644025.591	265413.968	Required	
E38	644021.546	265408.870	644021.546	265408.870	Required	
E39	644019.879	265393.068	644019.879	265393.068	Required	
E40	644066.004	265353.820	644066.004	265353.820	Required	
E61	644067.660	265346.040	644067.660	265346.040	Required	
E51	643815.599	265463.835			No Entry	
E50	643843.960	265456.549			No Entry	
E51	643890.388	265436.201			No Entry	
E52	643933.977	265412.102			No Entry	
E53	643981.018	265386.033			No Entry	
E54	644040.751	265338.427			No Entry	

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Manhole Schedules for SLR-AB-37

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
E68	644067.617	265320.471			No Entry	
E62	644072.468	265324.315	644072.468	265324.315	Required	
E47	644304.688	265053.673	644304.688	265053.673	Required	
E48	644256.559	265102.534	644256.559	265102.534	Required	
E48	644212.196	265154.837	644212.196	265154.837	Required	
E82	644169.403	265215.921	644169.403	265215.921	Required	
E58	644294.098	265042.630	644294.098	265042.630	Required	
E66	644258.389	265080.176	644258.389	265080.176	Required	
E59	644222.679	265117.721	644222.679	265117.721	Required	
E60	644222.740	265121.537	644222.740	265121.537	Required	
E61	644215.890	265130.226	644215.890	265130.226	Required	
E62	644211.982	265130.226	644211.982	265130.226	Required	
E63	644193.872	265152.688	644193.872	265152.688	Required	
E64	644190.535	265164.098	644190.535	265164.098	Required	
E82	644160.384	265209.371	644160.384	265209.371	Required	
E83	644138.226	265243.097	644138.226	265243.097	Required	

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Manhole Schedules for SLR-AB-37

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
E89	644116.522	265274.540	644116.522	265274.540	Required	
E57	644080.742	265249.542	644080.742	265249.542	Required	
E	644123.077	265186.171			No Entry	

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PIPELINE SCHEDULES for SLR-AB-37

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E5.000	o	225	E85	8.603	7.778	0.600	Open Manhole	1200
E5.001	o	300	E2	7.900	7.317	0.283	Open Manhole	1200
E5.002	o	300	E49	8.101	7.069	0.732	Open Manhole	1200
E6.000	o	225	E1	13.107	12.282	0.600	Open Manhole	1200
E6.001	o	225	E2	12.781	11.866	0.690	Open Manhole	1200
E6.002	o	225	E3	12.224	11.309	0.690	Open Manhole	1200
E6.003	o	225	E4	12.006	11.091	0.690	Open Manhole	1200
E7.000	13	-13	E8	16.461	15.206	0.755	Junction	
E7.001	13	-13	E9	15.430	14.735	0.195	Junction	
E7.002	13	-13	E10	15.415	14.059	0.856	Junction	
E7.003	13	-13	E11	12.331	11.544	0.287	Junction	
E6.004	o	225	E5	11.613	10.788	0.600	Open Manhole	10000
E6.005	o	225	E4	11.082	10.257	0.600	Open Manhole	1200
E6.006	o	225	E7	10.799	9.974	0.600	Open Manhole	1200
E6.007	o	225	E7	10.366	9.541	0.600	Open Manhole	1200
E6.008	o	225	E8	9.958	9.133	0.600	Open Manhole	1200
E6.009	o	225	E11	9.866	8.874	0.767	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E5.000	64.547	140.0	E2	7.900	7.317	0.358	Open Manhole	1200
E5.001	69.424	280.0	E49	8.101	7.069	0.732	Open Manhole	1200
E5.002	4.198	300.0	E62	8.248	7.055	0.893	Open Manhole	1500
E6.000	62.339	150.0	E2	12.781	11.866	0.690	Open Manhole	1200
E6.001	77.360	138.9	E3	12.224	11.309	0.690	Open Manhole	1200
E6.002	21.007	96.4	E4	12.006	11.091	0.690	Open Manhole	1200
E6.003	3.049	11.2	E5	11.613	10.819	0.569	Open Manhole	10000
E7.000	47.132	100.0	E9	15.430	14.735	0.195	Junction	
E7.001	101.360	150.0	E10	15.415	14.059	0.856	Junction	
E7.002	125.769	50.0	E11	12.331	11.544	0.287	Junction	
E7.003	4.135	100.9	E5	11.613	11.503	-0.390	Open Manhole	10000
E6.004	55.747	105.0	E4	11.082	10.257	0.600	Open Manhole	1200
E6.005	14.423	51.0	E7	10.799	9.974	0.600	Open Manhole	1200
E6.006	15.204	35.1	E7	10.366	9.541	0.600	Open Manhole	1200
E6.007	13.193	32.3	E8	9.958	9.133	0.600	Open Manhole	1200
E6.008	41.391	160.0	E11	9.866	8.874	0.767	Open Manhole	1200
E6.009	20.194	44.0	E11	9.300	8.415	0.660	Open Manhole	1200

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PIPELINE SCHEDULES for SLR-AB-37

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E6.010	o	300	E11	9.300	8.415	0.585	Open Manhole	1200
E6.011	o	300	E13	9.659	8.282	1.077	Open Manhole	1200
E6.012	o	300	E14	9.345	8.200	0.845	Open Manhole	1200
E8.000	o	300	E18	8.840	7.640	0.900	Open Manhole	1200
E9.000	o	300	E21	13.597	12.697	0.600	Open Manhole	1200
E9.001	o	300	E22	13.302	12.265	0.737	Open Manhole	1200
E9.002	o	300	E23	13.100	12.005	0.795	Open Manhole	1200
E9.003	o	350	E24	11.747	10.796	0.600	Open Manhole	1200
E9.004	o	350	E25	10.737	9.764	0.623	Open Manhole	1200
E10.000	o	225	E34	11.636	10.811	0.600	Open Manhole	1200
E11.000	o	225	E31	13.607	12.782	0.600	Open Manhole	1200
E11.001	o	225	E32	13.592	12.679	0.688	Open Manhole	1200
E11.002	o	225	E33	13.280	12.433	0.622	Open Manhole	1200
E11.003	o	225	E34	13.031	12.239	0.567	Open Manhole	1200
E11.004	o	225	E35	12.299	11.349	0.725	Open Manhole	1200
E11.005	o	225	E30	12.201	11.135	0.840	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E6.010	40.041	300.0	E13	9.659	8.282	1.077	Open Manhole	1200
E6.011	24.562	300.0	E14	9.345	8.200	0.845	Open Manhole	1200
E6.012	22.607	49.3	E15	8.622	7.741	0.581	Open Manhole	1350
E8.000	17.475	249.6	E15	8.622	7.570	0.752	Open Manhole	1350
E9.000	30.238	70.0	E22	13.302	12.265	0.737	Open Manhole	1200
E9.001	18.186	70.0	E23	13.100	12.005	0.795	Open Manhole	1200
E9.002	96.703	80.0	E24	11.747	10.796	0.650	Open Manhole	1200
E9.003	92.877	90.0	E25	10.737	9.764	0.623	Open Manhole	1200
E9.004	24.489	84.5	E30	10.502	9.475	0.677	Open Manhole	1350
E10.000	64.036	80.0	E34	10.827	10.011	0.591	Open Manhole	1200
E11.000	15.494	150.0	E32	13.592	12.679	0.688	Open Manhole	1200
E11.001	17.187	70.0	E33	13.280	12.433	0.622	Open Manhole	1200
E11.002	21.338	110.0	E34	13.031	12.239	0.567	Open Manhole	1200
E11.003	62.314	70.0	E35	12.299	11.349	0.725	Open Manhole	1200
E11.004	19.232	90.0	E30	12.201	11.135	0.840	Open Manhole	1200
E11.005	18.306	60.0	E31	11.898	10.830	0.843	Open Manhole	1200

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PIPELINE SCHEDULES for SLR-AB-37

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E11.006	o	300	E31	11.898	10.830	0.768	Open Manhole	1200
E11.007	o	300	E32	11.621	10.552	0.768	Open Manhole	1200
E11.008	o	300	E33	11.373	10.386	0.687	Open Manhole	1200
E12.000	o	225	E90	12.201	11.375	0.601	Open Manhole	1200
E12.001	o	225	E91	11.733	10.830	0.679	Open Manhole	1200
E12.002	o	225	E92	11.234	10.621	0.388	Open Manhole	1200
E12.003	o	225	E94	11.440	10.530	0.685	Open Manhole	1200
E12.004	o	225	E95	11.293	10.454	0.613	Open Manhole	1200
E12.005	o	225	E42	10.995	10.293	0.477	Open Manhole	1200
E10.001	o	350	E34	10.827	9.914	0.563	Open Manhole	1200
E9.005	o	400	E30	10.502	9.382	0.720	Open Manhole	1350
E9.006	o	400	E26	10.161	9.047	0.714	Open Manhole	1350
E9.007	o	400	E27	9.444	8.202	0.842	Open Manhole	1350
E9.008	o	400	E26	8.741	7.781	0.560	Open Manhole	1350
E6.013	o	450	E15	8.622	7.572	0.600	Open Manhole	1350

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E11.006	27.823	100.1	E32	11.621	10.552	0.768	Open Manhole	1200
E11.007	14.971	90.0	E33	11.373	10.386	0.687	Open Manhole	1200
E11.008	62.630	130.0	E34	10.827	9.904	0.623	Open Manhole	1200
E12.000	43.629	80.0	E91	11.733	10.830	0.679	Open Manhole	1200
E12.001	31.340	150.0	E92	11.234	10.621	0.388	Open Manhole	1200
E12.002	18.096	200.0	E94	11.440	10.530	0.685	Open Manhole	1200
E12.003	11.395	150.0	E95	11.293	10.454	0.613	Open Manhole	1200
E12.004	32.263	200.0	E42	10.995	10.293	0.477	Open Manhole	1200
E12.005	15.158	40.0	E34	10.827	9.914	0.688	Open Manhole	1200
E10.001	31.927	60.0	E30	10.502	9.382	0.770	Open Manhole	1350
E9.005	33.509	100.0	E26	10.161	9.047	0.714	Open Manhole	1350
E9.006	67.594	80.0	E27	9.444	8.202	0.842	Open Manhole	1350
E9.007	63.103	150.0	E26	8.741	7.781	0.560	Open Manhole	1350
E9.008	18.964	150.5	E15	8.622	7.655	0.567	Open Manhole	1350
E6.013	18.125	300.0	E16	9.500	7.512	1.538	Open Manhole	1350

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PIPELINE SCHEDULES for SLR-AB-37

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E13.000	o	225	E16	10.741	10.050	0.466	Open Manhole	1200
E13.001	o	225	E17	8.633	7.938	0.470	Open Manhole	1200
E13.002	o	225	E68	8.550	7.606	0.719	Open Manhole	1200
E6.014	o	450	E16	9.500	7.512	1.538	Open Manhole	1350
E14.000	o	225	E35	10.244	9.419	0.600	Open Manhole	1200
E14.001	o	225	E36	8.391	7.507	0.659	Open Manhole	1200
E14.002	o	225	E37	8.182	7.413	0.544	Open Manhole	1200
E14.003	o	225	E38	8.369	7.274	0.870	Open Manhole	1200
E6.015	o	450	E39	8.369	7.112	0.807	Open Manhole	1350
E6.016	o	450	E38	8.369	7.086	0.833	Open Manhole	1350
E6.017	o	450	E39	8.931	7.017	1.465	Open Manhole	1350
E6.018	o	525	E40	8.796	6.774	1.497	Open Manhole	1500
E6.019	o	525	E61	8.808	6.759	1.523	Open Manhole	1500
E15.000	SCV	-12	E51	10.933	10.633	0.000	Junction	
E15.001	SCV	-12	E50	10.587	10.127	0.160	Junction	
E15.002	SCV	-12	E51	10.450	9.620	0.530	Junction	

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E13.000	60.826	28.8	E17	8.633	7.938	0.470	Open Manhole	1200
E13.001	11.863	35.8	E68	8.550	7.606	0.719	Open Manhole	1200
E13.002	33.980	359.0	E16	9.500	7.512	1.763	Open Manhole	1350
E6.014	56.713	142.0	E39	8.369	7.112	0.807	Open Manhole	1350
E14.000	66.905	35.0	E36	8.391	7.507	0.659	Open Manhole	1200
E14.001	5.525	58.8	E37	8.182	7.413	0.544	Open Manhole	1200
E14.002	20.901	150.0	E38	8.369	7.274	0.870	Open Manhole	1200
E14.003	14.413	90.0	E39	8.369	7.114	1.030	Open Manhole	1350
E6.015	6.524	250.0	E38	8.369	7.086	0.833	Open Manhole	1350
E6.016	17.375	250.0	E39	8.931	7.017	1.465	Open Manhole	1350
E6.017	60.564	250.0	E40	8.796	6.774	1.572	Open Manhole	1500
E6.018	7.954	531.8	E61	8.808	6.759	1.523	Open Manhole	1500
E6.019	22.251	184.1	E62	8.248	6.639	1.084	Open Manhole	1500
E15.000	29.619	58.5	E50	10.587	10.127	0.160	Junction	
E15.001	50.690	100.0	E51	10.450	9.620	0.530	Junction	
E15.002	49.808	200.0	E52	10.357	9.371	0.686	Junction	

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PIPELINE SCHEDULES for SLR-AB-37

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E15.003	SCV	-12	E52	10.357	9.371	0.686	Junction	
E15.004	13	-13	E53	10.218	9.102	0.616	Junction	
E15.005	13	-13	E54	9.376	8.720	0.156	Junction	
E15.006	o	300	E68	8.100	7.175	0.625	Junction	
E5.003	o	600	E62	8.248	7.071	0.577	Open Manhole	1500
E16.000	o	300	E47	10.100	9.275	0.525	Open Manhole	1200
E16.001	o	300	E48	10.100	8.818	0.982	Open Manhole	1200
E16.002	o	300	E48	10.100	8.475	1.325	Open Manhole	1200
E16.003	o	300	E82	9.648	8.102	1.246	Open Manhole	1200
E17.000	o	225	E58	9.800	8.975	0.600	Open Manhole	1200
E17.001	o	225	E66	10.300	8.768	1.307	Open Manhole	1200
E17.002	o	225	E59	10.300	8.560	1.515	Open Manhole	1200
E17.003	o	225	E60	10.706	8.545	1.936	Open Manhole	1200
E17.004	o	225	E61	10.715	8.501	1.989	Open Manhole	1200
E17.005	o	225	E62	10.192	8.485	1.481	Open Manhole	1200
E17.006	o	225	E63	9.866	8.370	1.271	Open Manhole	1200
E17.007	o	225	E64	10.443	8.322	1.896	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E15.003	53.781	200.0	E53	10.218	9.102	0.816	Junction	
E15.004	76.383	200.0	E54	9.376	8.720	0.156	Junction	
E15.005	32.314	20.9	E68	8.100	7.175	0.425	Junction	
E15.006	6.189	99.8	E62	8.248	7.113	0.835	Open Manhole	1500
E5.003	66.606	489.7	E89	8.953	6.935	1.418	Open Manhole	1500
E16.000	68.600	150.1	E48	10.100	8.818	0.982	Open Manhole	1200
E16.001	68.600	200.0	E48	10.100	8.475	1.325	Open Manhole	1200
E16.002	74.582	200.0	E82	9.648	8.102	1.246	Open Manhole	1200
E16.003	11.147	200.0	E82	9.931	8.046	1.585	Open Manhole	1200
E17.000	51.815	250.0	E66	10.300	8.768	1.307	Open Manhole	1200
E17.001	51.815	250.0	E59	10.300	8.560	1.515	Open Manhole	1200
E17.002	3.816	250.0	E60	10.706	8.545	1.936	Open Manhole	1200
E17.003	11.064	250.0	E61	10.715	8.501	1.989	Open Manhole	1200
E17.004	3.908	250.0	E62	10.192	8.485	1.481	Open Manhole	1200
E17.005	28.853	250.0	E63	9.866	8.370	1.271	Open Manhole	1200
E17.006	11.888	250.0	E64	10.443	8.322	1.896	Open Manhole	1200
E17.007	54.394	197.1	E82	9.931	8.046	1.660	Open Manhole	1200



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PIPELINE SCHEDULES for SLR-AB-37

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E16.004	o	300	E82	9.931	8.046	1.585	Open Manhole	1200
E16.005	o	300	E83	9.438	7.805	1.334	Open Manhole	1200
E5.004	o	600	E89	8.953	6.916	1.437	Open Manhole	1500
E5.005	o	225	E57	8.000	6.790	0.985	Open Manhole	1500

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
E16.004	40.354	166.9	E83	9.438	7.805	1.334	Open Manhole	1200
E16.005	38.206	43.0	E89	8.953	6.916	1.737	Open Manhole	1500
E5.004	43.648	300.0	E57	8.000	6.771	0.629	Open Manhole	1500
E5.005	76.211	300.0	E	8.120	6.536	1.359	Open Manhole	0

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Area Summary for SLR-AB-37

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
5.000	Classification	Green Verge	23	0.091	0.021	0.021
	Classification	Carriageway/Footpath	100	0.035	0.035	0.056
	Classification	Green Verge	23	0.007	0.001	0.058
5.001	Classification	Carriageway/Footpath	100	0.089	0.089	0.089
	Classification	Green Verge	23	0.089	0.021	0.110
	Classification	Carriageway/Footpath	100	0.090	0.090	0.199
5.002	-	-	100	0.000	0.000	0.000
6.000	Classification	Green Verge	23	0.077	0.018	0.018
	Classification	Carriageway/Footpath	100	0.037	0.037	0.055
6.001	Classification	Green Verge	23	0.062	0.014	0.014
6.002	Classification	Green Verge	23	0.013	0.003	0.003
6.003	-	-	100	0.000	0.000	0.000
7.000	Classification	Overland area	50	0.048	0.024	0.024
7.001	Classification	Overland area	50	0.104	0.052	0.052
7.002	Classification	Overland area	50	0.126	0.063	0.063
7.003	-	-	100	0.000	0.000	0.000
6.004	Classification	Green Verge	23	0.036	0.008	0.008
6.005	Classification	Green Verge	23	0.010	0.002	0.002
6.006	Classification	Green Verge	23	0.011	0.003	0.003
6.007	Classification	Green Verge	23	0.010	0.002	0.002
6.008	Classification	Green Verge	23	0.031	0.007	0.007
6.009	Classification	Green Verge	23	0.015	0.003	0.003
6.010	Classification	Green Verge	23	0.027	0.006	0.006
6.011	-	-	100	0.000	0.000	0.000
6.012	Classification	Green Verge	23	0.015	0.003	0.003
8.000	Classification	Green Verge	23	0.012	0.003	0.003
9.000	Classification	Carriageway/Footpath	100	0.019	0.019	0.019
	Classification	Green Verge	23	0.028	0.006	0.025
9.001	Classification	Carriageway/Footpath	100	0.018	0.018	0.018
	Classification	Green Verge	23	0.014	0.003	0.021
9.002	Classification	Green Verge	23	0.126	0.029	0.029
	Classification	Carriageway/Footpath	100	0.088	0.088	0.117
9.003	Classification	Green Verge	23	0.114	0.026	0.026
	Classification	Carriageway/Footpath	100	0.087	0.087	0.113
9.004	Classification	Green Verge	23	0.054	0.012	0.012
	Classification	Carriageway/Footpath	100	0.055	0.055	0.067
10.000	Classification	Carriageway/Footpath	100	0.015	0.015	0.015
	Classification	Green Verge	23	0.016	0.004	0.019
11.000	Classification	Carriageway/Footpath	100	0.007	0.007	0.007
	Classification	Green Verge	23	0.024	0.006	0.012
11.001	Classification	Carriageway/Footpath	100	0.013	0.013	0.013
11.002	Classification	Green Verge	23	0.016	0.004	0.004
11.003	-	-	100	0.000	0.000	0.000
11.004	-	-	100	0.000	0.000	0.000
11.005	Classification	Green Verge	23	0.036	0.008	0.008
	Classification	Carriageway/Footpath	100	0.005	0.005	0.013
	Classification	Green Verge	23	0.380	0.087	0.101
11.006	Classification	Carriageway/Footpath	100	0.010	0.010	0.010
	Classification	Green Verge	23	0.135	0.031	0.041
	Classification	Green Verge	23	0.011	0.002	0.044

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Area Summary for SLR-AB-37

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
11.007	-	-	100	0.000	0.000	0.000
11.008	Classification	Carriageway/Footpath	100	0.018	0.018	0.018
	Classification	Green Verge	23	0.019	0.004	0.023
12.000	Classification	Carriageway/Footpath	100	0.008	0.008	0.008
	Classification	Green Verge	23	0.012	0.003	0.010
	Classification	Overland area	50	0.043	0.022	0.032
12.001	Classification	Carriageway/Footpath	100	0.012	0.012	0.012
	Classification	Green Verge	23	0.015	0.003	0.016
	Classification	Overland area	50	0.057	0.028	0.044
12.002	-	-	100	0.000	0.000	0.000
12.003	Classification	Carriageway/Footpath	100	0.015	0.015	0.015
	Classification	Green Verge	23	0.012	0.003	0.018
12.004	-	-	100	0.000	0.000	0.000
12.005	Classification	Carriageway/Footpath	100	0.012	0.012	0.012
	Classification	Green Verge	23	0.015	0.003	0.015
	Classification	Overland area	50	0.074	0.037	0.053
10.001	Classification	Carriageway/Footpath	100	0.037	0.037	0.037
9.005	-	-	100	0.000	0.000	0.000
9.006	Classification	Green Verge	23	0.069	0.016	0.016
	Classification	Carriageway/Footpath	100	0.064	0.064	0.079
9.007	-	-	100	0.000	0.000	0.000
9.008	Classification	Green Verge	23	0.093	0.021	0.021
	Classification	Carriageway/Footpath	100	0.064	0.064	0.085
6.013	Classification	Green Verge	23	0.015	0.004	0.004
	Classification	Green Verge	23	0.012	0.003	0.006
13.000	Classification	Carriageway/Footpath	100	0.051	0.051	0.051
	Classification	Green Verge	23	0.046	0.011	0.061
13.001	Classification	Carriageway/Footpath	100	0.019	0.019	0.019
	Classification	Green Verge	23	0.033	0.008	0.027
13.002	-	-	100	0.000	0.000	0.000
6.014	Classification	Carriageway/Footpath	100	0.064	0.064	0.064
14.000	Classification	Green Verge	23	0.006	0.001	0.001
14.001	Classification	Green Verge	23	0.055	0.013	0.013
14.002	Classification	Carriageway/Footpath	100	0.015	0.015	0.015
14.003	-	-	100	0.000	0.000	0.000
6.015	-	-	100	0.000	0.000	0.000
6.016	Classification	Carriageway/Footpath	100	0.015	0.015	0.015
	Classification	Green Verge	23	0.040	0.009	0.024
6.017	Classification	Carriageway/Footpath	100	0.013	0.013	0.013
	Classification	Green Verge	23	0.010	0.002	0.015
6.018	Classification	Green Verge	23	0.034	0.008	0.008
6.019	-	-	100	0.000	0.000	0.000
15.000	Classification	Overland area	50	0.030	0.015	0.015
15.001	Classification	Overland area	50	0.055	0.027	0.027
15.002	-	-	100	0.000	0.000	0.000
15.003	Classification	Overland area	50	0.049	0.024	0.024
	Classification	Overland area	50	0.054	0.027	0.051
15.004	Classification	Overland area	50	0.074	0.037	0.037
15.005	Classification	Overland area	50	0.031	0.015	0.015
15.006	-	-	100	0.000	0.000	0.000

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Area Summary for SLR-AB-37

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
5.003	Classification	Carriageway/Footpath	100	0.073	0.073	0.073
	Classification	Green Verge	23	0.055	0.013	0.086
16.000	Classification	Carriageway/Footpath	100	0.057	0.057	0.057
	Classification	Green Verge	23	0.038	0.009	0.065
16.001	Classification	Carriageway/Footpath	100	0.064	0.064	0.064
	Classification	Green Verge	23	0.042	0.010	0.074
16.002	Classification	Carriageway/Footpath	100	0.076	0.076	0.076
	Classification	Green Verge	23	0.072	0.017	0.092
16.003	-	-	100	0.000	0.000	0.000
17.000	Classification	Carriageway/Footpath	100	0.008	0.008	0.008
	Classification	Green Verge	23	0.034	0.008	0.016
17.001	Classification	Green Verge	23	0.034	0.008	0.008
17.002	-	-	100	0.000	0.000	0.000
17.003	Classification	Green Verge	23	0.031	0.007	0.007
17.004	-	-	100	0.000	0.000	0.000
17.005	-	-	100	0.000	0.000	0.000
17.006	Classification	Green Verge	23	0.018	0.004	0.004
17.007	-	-	100	0.000	0.000	0.000
16.004	Classification	Carriageway/Footpath	100	0.029	0.029	0.029
	Classification	Green Verge	23	0.009	0.002	0.031
16.005	Classification	Carriageway/Footpath	100	0.038	0.038	0.038
	Classification	Green Verge	23	0.011	0.003	0.040
5.004	-	-	100	0.000	0.000	0.000
5.005	Classification	Carriageway/Footpath	100	0.036	0.036	0.036
				Total	Total	Total
				4.389	2.254	2.254

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Network Classifications for SLR-AB-37

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
E5.000	E85	225	0.358	0.600	Unclassified	1200	0	0.600	Unclassified
E5.001	E2	300	0.283	0.732	Unclassified	1200	0	0.283	Unclassified
E5.002	E49	300	0.732	0.893	Unclassified	1200	0	0.732	Unclassified
E6.000	E1	225	0.600	0.690	Unclassified	1200	0	0.600	Unclassified
E6.001	E2	225	0.631	0.693	Unclassified	1200	0	0.690	Unclassified
E6.002	E3	225	0.630	0.690	Unclassified	1200	0	0.690	Unclassified
E6.003	E4	225	0.569	0.822	Unclassified	1200	0	0.690	Unclassified
E7.000	E8	-13	0.195	0.759	Unclassified				Junction
E7.001	E9	-13	0.195	1.051	Unclassified				Junction
E7.002	E10	-13	0.102	0.856	Unclassified				Junction
E7.003	E11	-13	0.021	0.287	Unclassified				Junction
E6.004	E5	225	0.561	0.616	Unclassified	10000	0	0.600	Unclassified
E6.005	E4	225	0.407	0.600	Unclassified	1200	0	0.600	Unclassified
E6.006	E7	225	0.564	0.600	Unclassified	1200	0	0.600	Unclassified
E6.007	E7	225	0.561	0.689	Unclassified	1200	0	0.600	Unclassified
E6.008	E8	225	0.600	0.962	Unclassified	1200	0	0.600	Unclassified
E6.009	E11	225	0.660	0.903	Unclassified	1200	0	0.767	Unclassified
E6.010	E11	300	0.585	1.077	Unclassified	1200	0	0.585	Unclassified
E6.011	E13	300	0.845	1.130	Unclassified	1200	0	1.077	Unclassified
E6.012	E14	300	0.581	0.845	Unclassified	1200	0	0.845	Unclassified
E8.000	E18	300	0.752	0.923	Unclassified	1200	0	0.900	Unclassified
E9.000	E21	300	0.600	0.737	Unclassified	1200	0	0.600	Unclassified
E9.001	E22	300	0.737	0.816	Unclassified	1200	0	0.737	Unclassified
E9.002	E23	300	0.650	0.877	Unclassified	1200	0	0.795	Unclassified
E9.003	E24	350	0.600	0.654	Unclassified	1200	0	0.600	Unclassified
E9.004	E25	350	0.623	0.711	Unclassified	1200	0	0.623	Unclassified
E10.000	E34	225	0.412	0.600	Unclassified	1200	0	0.600	Unclassified
E11.000	E31	225	0.600	0.711	Unclassified	1200	0	0.600	Unclassified
E11.001	E32	225	0.622	0.688	Unclassified	1200	0	0.688	Unclassified
E11.002	E33	225	0.546	0.622	Unclassified	1200	0	0.622	Unclassified
E11.003	E34	225	0.567	0.725	Unclassified	1200	0	0.567	Unclassified
E11.004	E35	225	0.669	0.840	Unclassified	1200	0	0.725	Unclassified
E11.005	E30	225	0.797	0.843	Unclassified	1200	0	0.840	Unclassified
E11.006	E31	300	0.768	0.794	Unclassified	1200	0	0.768	Unclassified
E11.007	E32	300	0.687	0.955	Unclassified	1200	0	0.768	Unclassified
E11.008	E33	300	0.456	0.687	Unclassified	1200	0	0.687	Unclassified
E12.000	E90	225	0.601	0.686	Unclassified	1200	0	0.601	Unclassified
E12.001	E91	225	0.388	0.679	Unclassified	1200	0	0.679	Unclassified
E12.002	E92	225	0.388	0.685	Unclassified	1200	0	0.388	Unclassified
E12.003	E94	225	0.613	0.685	Unclassified	1200	0	0.685	Unclassified
E12.004	E95	225	0.477	0.613	Unclassified	1200	0	0.613	Unclassified
E12.005	E42	225	0.477	0.821	Unclassified	1200	0	0.477	Unclassified
E10.001	E34	350	0.563	0.910	Unclassified	1200	0	0.563	Unclassified
E9.005	E30	400	0.714	0.764	Unclassified	1350	0	0.720	Unclassified
E9.006	E26	400	0.714	0.850	Unclassified	1350	0	0.714	Unclassified
E9.007	E27	400	0.560	0.842	Unclassified	1350	0	0.842	Unclassified
E9.008	E26	400	0.560	1.507	Unclassified	1350	0	0.560	Unclassified
E6.013	E15	450	0.600	1.538	Unclassified	1350	0	0.600	Unclassified

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Network Classifications for SLR-AB-37

PN	USMH Name	Pipe Dia (mm)	Min Cover Depth (m)	Max Cover Depth (m)	Pipe Type	MH Dia (mm)	MH Width (mm)	MH Ring Depth (m)	MH Type
E13.000	E16	225	0.466	0.470	Unclassified	1200	0	0.466	Unclassified
E13.001	E17	225	0.470	0.719	Unclassified	1200	0	0.470	Unclassified
E13.002	E68	225	0.719	1.763	Unclassified	1200	0	0.719	Unclassified
E6.014	E16	450	0.807	1.538	Unclassified	1350	0	1.538	Unclassified
E14.000	E35	225	0.600	0.659	Unclassified	1200	0	0.600	Unclassified
E14.001	E36	225	0.544	0.659	Unclassified	1200	0	0.659	Unclassified
E14.002	E37	225	0.544	0.870	Unclassified	1200	0	0.544	Unclassified
E14.003	E38	225	0.870	1.030	Unclassified	1200	0	0.870	Unclassified
E6.015	E39	450	0.807	0.833	Unclassified	1350	0	0.807	Unclassified
E6.016	E38	450	0.833	1.669	Unclassified	1350	0	0.833	Unclassified
E6.017	E39	450	1.462	1.572	Unclassified	1350	0	1.465	Unclassified
E6.018	E40	525	1.497	1.619	Unclassified	1500	0	1.497	Unclassified
E6.019	E61	525	1.084	1.523	Unclassified	1500	0	1.523	Unclassified
E15.000	E51	-12	0.000	0.549	Unclassified				Junction
E15.001	E50	-12	0.088	0.530	Unclassified				Junction
E15.002	E51	-12	0.483	0.686	Unclassified				Junction
E15.003	E52	-12	0.393	0.816	Unclassified				Junction
E15.004	E53	-13	0.156	0.720	Unclassified				Junction
E15.005	E54	-13	0.156	0.425	Unclassified				Junction
E15.006	E68	300	0.625	0.835	Unclassified				Junction
E5.003	E62	600	0.577	1.418	Unclassified	1500	0	0.577	Unclassified
E16.000	E47	300	0.525	0.982	Unclassified	1200	0	0.525	Unclassified
E16.001	E48	300	0.982	1.358	Unclassified	1200	0	0.982	Unclassified
E16.002	E48	300	1.131	1.398	Unclassified	1200	0	1.325	Unclassified
E16.003	E82	300	1.246	1.585	Unclassified	1200	0	1.246	Unclassified
E17.000	E58	225	0.600	1.307	Unclassified	1200	0	0.600	Unclassified
E17.001	E66	225	1.307	1.691	Unclassified	1200	0	1.307	Unclassified
E17.002	E59	225	1.515	1.957	Unclassified	1200	0	1.515	Unclassified
E17.003	E60	225	1.936	2.076	Unclassified	1200	0	1.936	Unclassified
E17.004	E61	225	1.481	1.999	Unclassified	1200	0	1.989	Unclassified
E17.005	E62	225	1.271	1.481	Unclassified	1200	0	1.481	Unclassified
E17.006	E63	225	1.271	1.896	Unclassified	1200	0	1.271	Unclassified
E17.007	E64	225	1.660	1.936	Unclassified	1200	0	1.896	Unclassified
E16.004	E82	300	1.321	1.585	Unclassified	1200	0	1.585	Unclassified
E16.005	E83	300	1.334	1.737	Unclassified	1200	0	1.334	Unclassified
E5.004	E89	600	0.055	1.437	Unclassified	1500	0	1.437	Unclassified
E5.005	E57	225	0.985	2.267	Unclassified	1500	0	0.985	Unclassified

Surcharged Outfall Details for SLR-AB-37

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
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E5.005	E	8.120	6.536	0.000	0	0
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Datum (m) 0.000 Offset (mins) 0

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Surcharged Outfall Details for SLR-AB-37

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5	7.230	250	7.230	495	7.230	740	7.230	985	7.230	1230	7.230	1475	7.230
10	7.230	255	7.230	500	7.230	745	7.230	990	7.230	1235	7.230	1480	7.230
15	7.230	260	7.230	505	7.230	750	7.230	995	7.230	1240	7.230	1485	7.230
20	7.230	265	7.230	510	7.230	755	7.230	1000	7.230	1245	7.230	1490	7.230
25	7.230	270	7.230	515	7.230	760	7.230	1005	7.230	1250	7.230	1495	7.230
30	7.230	275	7.230	520	7.230	765	7.230	1010	7.230	1255	7.230	1500	7.230
35	7.230	280	7.230	525	7.230	770	7.230	1015	7.230	1260	7.230	1505	7.230
40	7.230	285	7.230	530	7.230	775	7.230	1020	7.230	1265	7.230	1510	7.230
45	7.230	290	7.230	535	7.230	780	7.230	1025	7.230	1270	7.230	1515	7.230
50	7.230	295	7.230	540	7.230	785	7.230	1030	7.230	1275	7.230	1520	7.230
55	7.230	300	7.230	545	7.230	790	7.230	1035	7.230	1280	7.230	1525	7.230
60	7.230	305	7.230	550	7.230	795	7.230	1040	7.230	1285	7.230	1530	7.230
65	7.230	310	7.230	555	7.230	800	7.230	1045	7.230	1290	7.230	1535	7.230
70	7.230	315	7.230	560	7.230	805	7.230	1050	7.230	1295	7.230	1540	7.230
75	7.230	320	7.230	565	7.230	810	7.230	1055	7.230	1300	7.230	1545	7.230
80	7.230	325	7.230	570	7.230	815	7.230	1060	7.230	1305	7.230	1550	7.230
85	7.230	330	7.230	575	7.230	820	7.230	1065	7.230	1310	7.230	1555	7.230
90	7.230	335	7.230	580	7.230	825	7.230	1070	7.230	1315	7.230	1560	7.230
95	7.230	340	7.230	585	7.230	830	7.230	1075	7.230	1320	7.230	1565	7.230
100	7.230	345	7.230	590	7.230	835	7.230	1080	7.230	1325	7.230	1570	7.230
105	7.230	350	7.230	595	7.230	840	7.230	1085	7.230	1330	7.230	1575	7.230
110	7.230	355	7.230	600	7.230	845	7.230	1090	7.230	1335	7.230	1580	7.230
115	7.230	360	7.230	605	7.230	850	7.230	1095	7.230	1340	7.230	1585	7.230
120	7.230	365	7.230	610	7.230	855	7.230	1100	7.230	1345	7.230	1590	7.230
125	7.230	370	7.230	615	7.230	860	7.230	1105	7.230	1350	7.230	1595	7.230
130	7.230	375	7.230	620	7.230	865	7.230	1110	7.230	1355	7.230	1600	7.230
135	7.230	380	7.230	625	7.230	870	7.230	1115	7.230	1360	7.230	1605	7.230
140	7.230	385	7.230	630	7.230	875	7.230	1120	7.230	1365	7.230	1610	7.230
145	7.230	390	7.230	635	7.230	880	7.230	1125	7.230	1370	7.230	1615	7.230
150	7.230	395	7.230	640	7.230	885	7.230	1130	7.230	1375	7.230	1620	7.230
155	7.230	400	7.230	645	7.230	890	7.230	1135	7.230	1380	7.230	1625	7.230
160	7.230	405	7.230	650	7.230	895	7.230	1140	7.230	1385	7.230	1630	7.230
165	7.230	410	7.230	655	7.230	900	7.230	1145	7.230	1390	7.230	1635	7.230
170	7.230	415	7.230	660	7.230	905	7.230	1150	7.230	1395	7.230	1640	7.230
175	7.230	420	7.230	665	7.230	910	7.230	1155	7.230	1400	7.230	1645	7.230
180	7.230	425	7.230	670	7.230	915	7.230	1160	7.230	1405	7.230	1650	7.230
185	7.230	430	7.230	675	7.230	920	7.230	1165	7.230	1410	7.230	1655	7.230
190	7.230	435	7.230	680	7.230	925	7.230	1170	7.230	1415	7.230	1660	7.230
195	7.230	440	7.230	685	7.230	930	7.230	1175	7.230	1420	7.230	1665	7.230
200	7.230	445	7.230	690	7.230	935	7.230	1180	7.230	1425	7.230	1670	7.230
205	7.230	450	7.230	695	7.230	940	7.230	1185	7.230	1430	7.230	1675	7.230
210	7.230	455	7.230	700	7.230	945	7.230	1190	7.230	1435	7.230	1680	7.230
215	7.230	460	7.230	705	7.230	950	7.230	1195	7.230	1440	7.230	1685	7.230
220	7.230	465	7.230	710	7.230	955	7.230	1200	7.230	1445	7.230	1690	7.230
225	7.230	470	7.230	715	7.230	960	7.230	1205	7.230	1450	7.230	1695	7.230
230	7.230	475	7.230	720	7.230	965	7.230	1210	7.230	1455	7.230	1700	7.230
235	7.230	480	7.230	725	7.230	970	7.230	1215	7.230	1460	7.230	1705	7.230
240	7.230	485	7.230	730	7.230	975	7.230	1220	7.230	1465	7.230	1710	7.230
245	7.230	490	7.230	735	7.230	980	7.230	1225	7.230	1470	7.230	1715	7.230



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Surcharged Outfall Details for SLR-AB-37

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1720	7.230	1890	7.230	2060	7.230	2230	7.230	2400	7.230	2570	7.230	2740	7.230
1725	7.230	1895	7.230	2065	7.230	2235	7.230	2405	7.230	2575	7.230	2745	7.230
1730	7.230	1900	7.230	2070	7.230	2240	7.230	2410	7.230	2580	7.230	2750	7.230
1735	7.230	1905	7.230	2075	7.230	2245	7.230	2415	7.230	2585	7.230	2755	7.230
1740	7.230	1910	7.230	2080	7.230	2250	7.230	2420	7.230	2590	7.230	2760	7.230
1745	7.230	1915	7.230	2085	7.230	2255	7.230	2425	7.230	2595	7.230	2765	7.230
1750	7.230	1920	7.230	2090	7.230	2260	7.230	2430	7.230	2600	7.230	2770	7.230
1755	7.230	1925	7.230	2095	7.230	2265	7.230	2435	7.230	2605	7.230	2775	7.230
1760	7.230	1930	7.230	2100	7.230	2270	7.230	2440	7.230	2610	7.230	2780	7.230
1765	7.230	1935	7.230	2105	7.230	2275	7.230	2445	7.230	2615	7.230	2785	7.230
1770	7.230	1940	7.230	2110	7.230	2280	7.230	2450	7.230	2620	7.230	2790	7.230
1775	7.230	1945	7.230	2115	7.230	2285	7.230	2455	7.230	2625	7.230	2795	7.230
1780	7.230	1950	7.230	2120	7.230	2290	7.230	2460	7.230	2630	7.230	2800	7.230
1785	7.230	1955	7.230	2125	7.230	2295	7.230	2465	7.230	2635	7.230	2805	7.230
1790	7.230	1960	7.230	2130	7.230	2300	7.230	2470	7.230	2640	7.230	2810	7.230
1795	7.230	1965	7.230	2135	7.230	2305	7.230	2475	7.230	2645	7.230	2815	7.230
1800	7.230	1970	7.230	2140	7.230	2310	7.230	2480	7.230	2650	7.230	2820	7.230
1805	7.230	1975	7.230	2145	7.230	2315	7.230	2485	7.230	2655	7.230	2825	7.230
1810	7.230	1980	7.230	2150	7.230	2320	7.230	2490	7.230	2660	7.230	2830	7.230
1815	7.230	1985	7.230	2155	7.230	2325	7.230	2495	7.230	2665	7.230	2835	7.230
1820	7.230	1990	7.230	2160	7.230	2330	7.230	2500	7.230	2670	7.230	2840	7.230
1825	7.230	1995	7.230	2165	7.230	2335	7.230	2505	7.230	2675	7.230	2845	7.230
1830	7.230	2000	7.230	2170	7.230	2340	7.230	2510	7.230	2680	7.230	2850	7.230
1835	7.230	2005	7.230	2175	7.230	2345	7.230	2515	7.230	2685	7.230	2855	7.230
1840	7.230	2010	7.230	2180	7.230	2350	7.230	2520	7.230	2690	7.230	2860	7.230
1845	7.230	2015	7.230	2185	7.230	2355	7.230	2525	7.230	2695	7.230	2865	7.230
1850	7.230	2020	7.230	2190	7.230	2360	7.230	2530	7.230	2700	7.230	2870	7.230
1855	7.230	2025	7.230	2195	7.230	2365	7.230	2535	7.230	2705	7.230	2875	7.230
1860	7.230	2030	7.230	2200	7.230	2370	7.230	2540	7.230	2710	7.230	2880	7.230
1865	7.230	2035	7.230	2205	7.230	2375	7.230	2545	7.230	2715	7.230		
1870	7.230	2040	7.230	2210	7.230	2380	7.230	2550	7.230	2720	7.230		
1875	7.230	2045	7.230	2215	7.230	2385	7.230	2555	7.230	2725	7.230		
1880	7.230	2050	7.230	2220	7.230	2390	7.230	2560	7.230	2730	7.230		
1885	7.230	2055	7.230	2225	7.230	2395	7.230	2565	7.230	2735	7.230		

Simulation Criteria for SLR-AB-37

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m³/ha Storage	2.000
Hot Start (mins)	0	Inlet Coefficient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1
Number of Input Hydrographs	0	Number of Storage Structures	3
Number of Online Controls	3	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details



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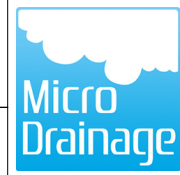
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Simulation Criteria for SLR-AB-37

Rainfall Model	FEH
Return Period (years)	100
FEH Rainfall Version	2013
Site Location	GB 640286 267538 TM 40286 67538
Data Type	Point
Summer Storms	Yes
Winter Storms	No
Cv (Summer)	0.750
Cv (Winter)	0.840
Storm Duration (mins)	30



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Online Controls for SLR-AB-37

Hydro-Brake® Optimum Manhole: E34, DS/PN: E10.001, Volume (m³): 8.4

Unit Reference MD-SHE-0149-1000-0800-1000  
 Design Head (m) 0.800  
 Design Flow (l/s) 10.0  
 Flush-Flo™ Calculated  
 Objective Minimise upstream storage  
 Application Surface  
 Sump Available Yes  
 Diameter (mm) 149  
 Invert Level (m) 9.914  
 Minimum Outlet Pipe Diameter (mm) 225  
 Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	0.800	10.0	Kick-Flo®	0.569	8.5
Flush-Flo™	0.262	10.0	Mean Flow over Head Range	-	8.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	5.3	1.200	12.1	3.000	18.7	7.000	28.1
0.200	9.8	1.400	13.0	3.500	20.1	7.500	29.1
0.300	9.9	1.600	13.9	4.000	21.5	8.000	30.0
0.400	9.7	1.800	14.7	4.500	22.7	8.500	30.8
0.500	9.3	2.000	15.4	5.000	23.9	9.000	31.7
0.600	8.7	2.200	16.1	5.500	25.0	9.500	32.6
0.800	10.0	2.400	16.8	6.000	26.1		
1.000	11.1	2.600	17.5	6.500	27.1		

Hydro-Brake® Optimum Manhole: E16, DS/PN: E6.014, Volume (m³): 6.8

Unit Reference MD-SHE-0282-4500-1000-4500  
 Design Head (m) 1.000  
 Design Flow (l/s) 45.0  
 Flush-Flo™ Calculated  
 Objective Minimise upstream storage  
 Application Surface  
 Sump Available Yes  
 Diameter (mm) 282  
 Invert Level (m) 7.512  
 Minimum Outlet Pipe Diameter (mm) 300  
 Suggested Manhole Diameter (mm) 1800

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Hydro-Brake® Optimum Manhole: E16, DS/PN: E6.014, Volume (m<sup>3</sup>): 6.8

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.000	45.0	Kick-Flo®	0.777	39.9
Flush-Flo™	0.432	45.0	Mean Flow over Head Range	-	36.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	8.8	1.200	49.1	3.000	76.5	7.000	115.7
0.200	29.0	1.400	52.9	3.500	82.5	7.500	119.6
0.300	43.8	1.600	56.4	4.000	88.0	8.000	123.5
0.400	44.9	1.800	59.7	4.500	93.2	8.500	127.2
0.500	44.8	2.000	62.9	5.000	98.1	9.000	130.8
0.600	43.9	2.200	65.8	5.500	102.8	9.500	134.3
0.800	40.4	2.400	68.7	6.000	107.3		
1.000	45.0	2.600	71.4	6.500	111.5		

Hydro-Brake® Optimum Manhole: E57, DS/PN: E5.005, Volume (m<sup>3</sup>): 14.1

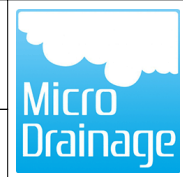
Unit Reference	MD-SHE-0103-5000-1200-5000
Design Head (m)	1.200
Design Flow (l/s)	5.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	103
Invert Level (m)	6.790
Minimum Outlet Pipe Diameter (mm)	150
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.200	5.0	Kick-Flo®	0.745	4.0
Flush-Flo™	0.354	5.0	Mean Flow over Head Range	-	4.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	3.4	0.600	4.7	1.600	5.7	2.600	7.2
0.200	4.7	0.800	4.1	1.800	6.0	3.000	7.7
0.300	5.0	1.000	4.6	2.000	6.3	3.500	8.3
0.400	5.0	1.200	5.0	2.200	6.6	4.000	8.8
0.500	4.9	1.400	5.4	2.400	6.9	4.500	9.3

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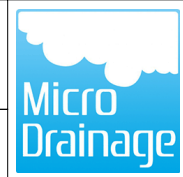
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Hydro-Brake® Optimum Manhole: E57, DS/PN: E5.005, Volume (m<sup>3</sup>): 14.1

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
5.000	9.8	6.500	11.1	8.000	12.2	9.500	13.3
5.500	10.2	7.000	11.5	8.500	12.6		
6.000	10.7	7.500	11.8	9.000	12.9		

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Storage Structures for SLR-AB-37

Tank or Pond Manhole: E34, DS/PN: E10.001

Invert Level (m) 9.914

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	500.0	0.800	700.0	0.810	0.0

Tank or Pond Manhole: E16, DS/PN: E6.014

Invert Level (m) 7.512

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	131.0	1.200	620.0	1.210	0.0

Tank or Pond Manhole: E57, DS/PN: E5.005

Invert Level (m) 6.790

Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )	Depth (m)	Area (m <sup>2</sup> )
0.000	1366.0	1.200	5436.0	1.210	0.0



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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 3  
 Number of Online Controls 3 Number of Time/Area Diagrams 0  
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
 FEH Rainfall Version 2013  
 Site Location GB 640286 267538 TM 40286 67538  
 Data Type Point  
 Cv (Summer) 0.750  
 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status ON  
 DVD Status ON  
 Inertia Status ON

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
 720, 960, 1440, 2160, 2880  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
E5.000	E85	30 Winter	2	+0%				
E5.001	E2	15 Winter	2	+0%	30/15 Summer	100/15 Summer		
E5.002	E49	120 Summer	2	+0%	5/30 Winter			
E6.000	E1	15 Winter	2	+0%				
E6.001	E2	15 Winter	2	+0%				
E6.002	E3	15 Winter	2	+0%				
E6.003	E4	15 Winter	2	+0%				
E7.000	E8	30 Winter	2	+0%				
E7.001	E9	15 Winter	2	+0%				
E7.002	E10	15 Winter	2	+0%				
E7.003	E11	15 Winter	2	+0%				
E6.004	E5	30 Winter	2	+0%	100/15 Summer			
E6.005	E4	30 Winter	2	+0%				
E6.006	E7	30 Winter	2	+0%				

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Water		Surcharged		Flooded		Pipe		Level Exceeded
		Level (m)	Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)	Flow (l/s)	Status		
E5.000	E85	7.828	-0.175	0.000	0.11		4.7	OK		
E5.001	E2	7.459	-0.158	0.000	0.43		27.2	OK	4	
E5.002	E49	7.255	-0.114	0.000	0.34		16.2	OK		
E6.000	E1	12.351	-0.156	0.000	0.20		8.1	OK		
E6.001	E2	11.939	-0.152	0.000	0.22		9.3	OK		
E6.002	E3	11.378	-0.157	0.000	0.20		9.6	OK		
E6.003	E4	11.145	-0.171	0.000	0.13		9.6	OK		
E7.000	E8	15.318	-0.388	0.000	0.02		1.9	OK		
E7.001	E9	14.950	-0.284	0.000	0.10		6.7	OK		
E7.002	E10	14.273	-0.286	0.000	0.10		11.2	OK		
E7.003	E11	11.782	-0.262	0.000	0.14		11.1	OK		
E6.004	E5	10.873	-0.140	0.000	0.30		14.8	OK		
E6.005	E4	10.330	-0.152	0.000	0.23		14.8	OK		
E6.006	E7	10.041	-0.158	0.000	0.19		14.9	OK		

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
E6.007	E7	30	Winter	2	+0%	100/30	Winter		9.607
E6.008	E8	30	Winter	2	+0%	30/15	Summer		9.230
E6.009	E11	30	Winter	2	+0%				8.945
E6.010	E11	30	Winter	2	+0%	100/30	Winter		8.519
E6.011	E13	30	Winter	2	+0%	100/30	Winter		8.387
E6.012	E14	30	Winter	2	+0%	100/30	Winter		8.266
E8.000	E18	120	Winter	2	+0%	5/30	Summer		7.787
E9.000	E21	30	Winter	2	+0%				12.721
E9.001	E22	15	Winter	2	+0%				12.303
E9.002	E23	15	Winter	2	+0%				12.086
E9.003	E24	15	Winter	2	+0%				10.902
E9.004	E25	15	Winter	2	+0%	100/15	Summer		9.885
E10.000	E34	30	Winter	2	+0%				10.836
E11.000	E31	30	Winter	2	+0%				12.806
E11.001	E32	15	Winter	2	+0%				12.709
E11.002	E33	15	Winter	2	+0%				12.470
E11.003	E34	15	Winter	2	+0%				12.271
E11.004	E35	15	Winter	2	+0%				11.384
E11.005	E30	15	Winter	2	+0%	100/15	Summer		11.213
E11.006	E31	15	Winter	2	+0%	100/15	Winter		10.924
E11.007	E32	15	Winter	2	+0%	100/15	Summer		10.646
E11.008	E33	15	Winter	2	+0%	100/15	Summer		10.489
E12.000	E90	30	Winter	2	+0%				11.406
E12.001	E91	15	Winter	2	+0%				10.897
E12.002	E92	15	Winter	2	+0%	100/15	Summer		10.694
E12.003	E94	15	Winter	2	+0%	100/15	Summer		10.610
E12.004	E95	15	Winter	2	+0%	100/15	Summer		10.536
E12.005	E42	15	Winter	2	+0%				10.364
E10.001	E34	240	Winter	2	+0%	100/180	Winter		10.016
E9.005	E30	15	Winter	2	+0%				9.500
E9.006	E26	15	Winter	2	+0%	100/15	Winter		9.168
E9.007	E27	15	Winter	2	+0%	30/15	Winter		8.343
E9.008	E26	15	Winter	2	+0%	30/15	Summer		7.947
E6.013	E15	120	Winter	2	+0%	5/30	Winter		7.787
E13.000	E16	30	Winter	2	+0%				10.083
E13.001	E17	15	Winter	2	+0%	30/30	Summer		7.986
E13.002	E68	120	Winter	2	+0%	5/15	Summer		7.773
E6.014	E16	120	Winter	2	+0%	5/60	Winter		7.767
E14.000	E35	30	Winter	2	+0%				9.420
E14.001	E36	120	Winter	2	+0%	30/30	Summer		7.565
E14.002	E37	120	Winter	2	+0%	5/30	Winter		7.565
E14.003	E38	120	Winter	2	+0%	2/60	Winter		7.563
E6.015	E39	120	Winter	2	+0%	5/15	Summer		7.562
E6.016	E38	180	Summer	2	+0%	5/15	Summer		7.501
E6.017	E39	120	Winter	2	+0%	5/15	Summer		7.443
E6.018	E40	120	Winter	2	+0%	2/30	Summer		7.347
E6.019	E61	120	Winter	2	+0%	2/30	Summer		7.342



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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Surcharged Flooded		Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )					
E6.007	E7	-0.159	0.000	0.19		15.0	OK	
E6.008	E8	-0.128	0.000	0.39		15.1	OK	
E6.009	E11	-0.155	0.000	0.21		15.2	OK	
E6.010	E11	-0.197	0.000	0.26		15.3	OK	
E6.011	E13	-0.195	0.000	0.27		15.3	OK	
E6.012	E14	-0.234	0.000	0.11		15.3	OK	
E8.000	E18	-0.153	0.000	0.00		0.1	OK	
E9.000	E21	-0.276	0.000	0.02		2.1	OK	
E9.001	E22	-0.262	0.000	0.04		4.3	OK	
E9.002	E23	-0.219	0.000	0.16		18.9	OK	
E9.003	E24	-0.245	0.000	0.19		32.4	OK	
E9.004	E25	-0.230	0.000	0.25		40.4	OK	
E10.000	E34	-0.200	0.000	0.03		1.5	OK	
E11.000	E31	-0.201	0.000	0.03		1.0	OK	
E11.001	E32	-0.195	0.000	0.04		2.4	OK	
E11.002	E33	-0.188	0.000	0.06		2.9	OK	
E11.003	E34	-0.193	0.000	0.05		2.8	OK	
E11.004	E35	-0.190	0.000	0.06		2.9	OK	
E11.005	E30	-0.147	0.000	0.26		15.5	OK	
E11.006	E31	-0.207	0.000	0.21		21.1	OK	
E11.007	E32	-0.206	0.000	0.21		21.1	OK	
E11.008	E33	-0.197	0.000	0.26		23.9	OK	
E12.000	E90	-0.194	0.000	0.05		2.6	OK	
E12.001	E91	-0.157	0.000	0.19		7.7	OK	
E12.002	E92	-0.151	0.000	0.23		7.7	OK	
E12.003	E94	-0.145	0.000	0.27		9.8	OK	
E12.004	E95	-0.144	0.000	0.28		9.7	OK	
E12.005	E42	-0.154	0.000	0.22		15.6	OK	
E10.001	E34	-0.248	0.000	0.03		5.5	OK	
E9.005	E30	-0.282	0.000	0.19		40.4	OK	
E9.006	E26	-0.279	0.000	0.20		49.0	OK	
E9.007	E27	-0.259	0.000	0.27		48.3	OK	
E9.008	E26	-0.234	0.000	0.36		56.4	OK	
E6.013	E15	-0.235	0.000	0.27		39.7	OK	
E13.000	E16	-0.192	0.000	0.05		5.0	OK	
E13.001	E17	-0.177	0.000	0.10		7.5	OK	
E13.002	E68	-0.059	0.000	0.17		4.4	OK	
E6.014	E16	-0.195	0.000	0.15		36.8	OK	
E14.000	E35	-0.224	0.000	0.00		0.1	OK	
E14.001	E36	-0.168	0.000	0.02		0.8	OK	
E14.002	E37	-0.074	0.000	0.04		1.5	OK	
E14.003	E38	0.064	0.000	0.03		1.4	SURCHARGED	
E6.015	E39	0.000	0.000	0.26		33.3	OK	
E6.016	E38	-0.035	0.000	0.21		33.4	OK	
E6.017	E39	-0.024	0.000	0.18		33.2	OK	
E6.018	E40	0.047	0.000	0.26		33.7	SURCHARGED	

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
E6.019	E61	0.058	0.000	0.12		31.9	SURCHARGED	



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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
E15.000	E51	30	Winter	2	+0%				10.726
E15.001	E50	15	Winter	2	+0%	100/15	Summer		10.288
E15.002	E51	15	Winter	2	+0%	30/15	Summer		9.797
E15.003	E52	30	Winter	2	+0%	5/15	Winter		9.602
E15.004	E53	30	Winter	2	+0%				9.356
E15.005	E54	30	Winter	2	+0%				8.885
E15.006	E68	60	Winter	2	+0%	30/30	Winter		7.261
E5.003	E62	120	Summer	2	+0%	100/960	Winter		7.250
E16.000	E47	30	Winter	2	+0%				9.323
E16.001	E48	15	Winter	2	+0%	100/15	Winter		8.904
E16.002	E48	15	Winter	2	+0%	30/15	Summer		8.592
E16.003	E82	15	Winter	2	+0%	30/15	Summer		8.229
E17.000	E58	30	Winter	2	+0%				9.004
E17.001	E66	15	Winter	2	+0%				8.804
E17.002	E59	15	Winter	2	+0%				8.603
E17.003	E60	15	Winter	2	+0%				8.591
E17.004	E61	15	Winter	2	+0%				8.549
E17.005	E62	15	Winter	2	+0%				8.529
E17.006	E63	15	Winter	2	+0%				8.418
E17.007	E64	15	Winter	2	+0%				8.365
E16.004	E82	15	Winter	2	+0%	30/15	Winter		8.169
E16.005	E83	15	Winter	2	+0%				7.895
E5.004	E89	2880	Winter	2	+0%	30/720	Winter		7.208
E5.005	E57	2880	Winter	2	+0%	2/180	Winter		7.208

PN	US/MH Name	Surcharged		Flooded		Pipe		Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Flow (l/s)	Status	
E15.000	E51	-0.207	0.000	0.05		1.2	FLOOD RISK*	
E15.001	E50	-0.139	0.000	0.19		3.8	FLOOD RISK*	
E15.002	E51	-0.123	0.000	0.25		3.6	OK	
E15.003	E52	-0.069	0.000	0.50		7.1	OK	
E15.004	E53	-0.246	0.000	0.16		8.9	OK	
E15.005	E54	-0.335	0.000	0.06		9.5	OK	
E15.006	E68	-0.214	0.000	0.14		8.4	OK*	
E5.003	E62	-0.421	0.000	0.19		54.2	OK	
E16.000	E47	-0.252	0.000	0.06		5.3	OK	
E16.001	E48	-0.214	0.000	0.17		13.1	OK	
E16.002	E48	-0.183	0.000	0.31		23.2	OK	
E16.003	E82	-0.173	0.000	0.38		23.2	OK	
E17.000	E58	-0.196	0.000	0.04		1.3	OK	
E17.001	E66	-0.189	0.000	0.06		1.9	OK	
E17.002	E59	-0.183	0.000	0.08		1.9	OK	
E17.003	E60	-0.179	0.000	0.09		2.6	OK	
E17.004	E61	-0.177	0.000	0.10		2.6	OK	

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
E17.005	E62	-0.181	0.000	0.08		2.6	OK	
E17.006	E63	-0.177	0.000	0.10		2.9	OK	
E17.007	E64	-0.183	0.000	0.08		2.8	OK	
E16.004	E82	-0.177	0.000	0.35		28.0	OK	
E16.005	E83	-0.209	0.000	0.20		31.4	OK	
E5.004	E89	-0.308	0.000	0.03		11.8	OK	
E5.005	E57	0.193	0.000	0.17		5.0	SURCHARGED	



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 3  
 Number of Online Controls 3 Number of Time/Area Diagrams 0  
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
 FEH Rainfall Version 2013  
 Site Location GB 640286 267538 TM 40286 67538  
 Data Type Point  
 Cv (Summer) 0.750  
 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status ON  
 DVD Status ON  
 Inertia Status ON

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
 720, 960, 1440, 2160, 2880  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
E5.000	E85 30	Winter	5	+40%					7.847
E5.001	E2 15	Winter	5	+40%	30/15 Summer	100/15 Summer			7.533
E5.002	E49 30	Winter	5	+40%	5/30 Winter				7.385
E6.000	E1 15	Winter	5	+40%					12.380
E6.001	E2 15	Winter	5	+40%					11.970
E6.002	E3 15	Winter	5	+40%					11.406
E6.003	E4 15	Winter	5	+40%					11.167
E7.000	E8 30	Winter	5	+40%					15.362
E7.001	E9 15	Winter	5	+40%					15.016
E7.002	E10 15	Winter	5	+40%					14.338
E7.003	E11 15	Winter	5	+40%					11.846
E6.004	E5 30	Winter	5	+40%	100/15 Summer				10.917
E6.005	E4 30	Winter	5	+40%					10.366
E6.006	E7 30	Winter	5	+40%					10.072

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
E5.000	E85	-0.156	0.000	0.21		8.8	OK	
E5.001	E2	-0.084	0.000	0.82		51.7	OK	4
E5.002	E49	0.016	0.000	0.90		43.1	SURCHARGED	
E6.000	E1	-0.127	0.000	0.37		15.3	OK	
E6.001	E2	-0.121	0.000	0.41		17.7	OK	
E6.002	E3	-0.129	0.000	0.38		18.1	OK	
E6.003	E4	-0.149	0.000	0.25		18.3	OK	
E7.000	E8	-0.344	0.000	0.05		3.6	OK	
E7.001	E9	-0.219	0.000	0.20		12.7	OK	
E7.002	E10	-0.221	0.000	0.19		21.4	OK	
E7.003	E11	-0.198	0.000	0.27		21.4	OK	
E6.004	E5	-0.096	0.000	0.62		30.3	OK	
E6.005	E4	-0.116	0.000	0.48		30.4	OK	
E6.006	E7	-0.127	0.000	0.39		30.6	OK	



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
E6.007	E7	30	Winter	5	+40%	100/30	Winter		9.638
E6.008	E8	30	Winter	5	+40%	30/15	Summer		9.286
E6.009	E11	30	Winter	5	+40%				8.979
E6.010	E11	30	Winter	5	+40%	100/30	Winter		8.572
E6.011	E13	30	Winter	5	+40%	100/30	Winter		8.441
E6.012	E14	30	Winter	5	+40%	100/30	Winter		8.296
E8.000	E18	120	Winter	5	+40%	5/30	Summer		8.028
E9.000	E21	30	Winter	5	+40%				12.732
E9.001	E22	15	Winter	5	+40%				12.318
E9.002	E23	15	Winter	5	+40%				12.119
E9.003	E24	15	Winter	5	+40%				10.944
E9.004	E25	15	Winter	5	+40%	100/15	Summer		9.937
E10.000	E34	30	Winter	5	+40%				10.844
E11.000	E31	30	Winter	5	+40%				12.814
E11.001	E32	15	Winter	5	+40%				12.722
E11.002	E33	15	Winter	5	+40%				12.485
E11.003	E34	15	Winter	5	+40%				12.285
E11.004	E35	15	Winter	5	+40%				11.399
E11.005	E30	15	Winter	5	+40%	100/15	Summer		11.247
E11.006	E31	15	Winter	5	+40%	100/15	Winter		10.962
E11.007	E32	15	Winter	5	+40%	100/15	Summer		10.685
E11.008	E33	15	Winter	5	+40%	100/15	Summer		10.534
E12.000	E90	30	Winter	5	+40%				11.420
E12.001	E91	15	Winter	5	+40%				10.925
E12.002	E92	15	Winter	5	+40%	100/15	Summer		10.726
E12.003	E94	15	Winter	5	+40%	100/15	Summer		10.645
E12.004	E95	15	Winter	5	+40%	100/15	Summer		10.572
E12.005	E42	15	Winter	5	+40%				10.394
E10.001	E34	240	Winter	5	+40%	100/180	Winter		10.081
E9.005	E30	15	Winter	5	+40%				9.549
E9.006	E26	15	Winter	5	+40%	100/15	Winter		9.217
E9.007	E27	15	Winter	5	+40%	30/15	Winter		8.406
E9.008	E26	120	Winter	5	+40%	30/15	Summer		8.077
E6.013	E15	120	Winter	5	+40%	5/30	Winter		8.028
E13.000	E16	30	Winter	5	+40%				10.097
E13.001	E17	120	Winter	5	+40%	30/30	Summer		8.022
E13.002	E68	120	Winter	5	+40%	5/15	Summer		8.017
E6.014	E16	120	Winter	5	+40%	5/60	Winter		8.010
E14.000	E35	30	Winter	5	+40%				9.422
E14.001	E36	60	Winter	5	+40%	30/30	Summer		7.665
E14.002	E37	60	Winter	5	+40%	5/30	Winter		7.664
E14.003	E38	60	Winter	5	+40%	2/60	Winter		7.660
E6.015	E39	60	Winter	5	+40%	5/15	Summer		7.656
E6.016	E38	60	Winter	5	+40%	5/15	Summer		7.648
E6.017	E39	60	Winter	5	+40%	5/15	Summer		7.548
E6.018	E40	60	Winter	5	+40%	2/30	Summer		7.434
E6.019	E61	60	Winter	5	+40%	2/30	Summer		7.428

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
E6.007	E7	-0.128	0.000	0.39		30.8	OK	
E6.008	E8	-0.072	0.000	0.80		31.1	OK	
E6.009	E11	-0.121	0.000	0.44		31.3	OK	
E6.010	E11	-0.144	0.000	0.53		31.5	OK	
E6.011	E13	-0.141	0.000	0.55		31.4	OK	
E6.012	E14	-0.204	0.000	0.22		31.5	OK	
E8.000	E18	0.088	0.000	0.00		0.3	SURCHARGED	
E9.000	E21	-0.265	0.000	0.03		3.9	OK	
E9.001	E22	-0.247	0.000	0.07		8.3	OK	
E9.002	E23	-0.186	0.000	0.30		35.8	OK	
E9.003	E24	-0.202	0.000	0.36		61.3	OK	
E9.004	E25	-0.177	0.000	0.48		76.4	OK	
E10.000	E34	-0.192	0.000	0.05		2.9	OK	
E11.000	E31	-0.193	0.000	0.05		1.9	OK	
E11.001	E32	-0.181	0.000	0.08		4.7	OK	
E11.002	E33	-0.173	0.000	0.12		5.5	OK	
E11.003	E34	-0.179	0.000	0.09		5.5	OK	
E11.004	E35	-0.175	0.000	0.11		5.4	OK	
E11.005	E30	-0.113	0.000	0.49		29.4	OK	
E11.006	E31	-0.168	0.000	0.40		40.0	OK	
E11.007	E32	-0.167	0.000	0.41		39.8	OK	
E11.008	E33	-0.152	0.000	0.48		44.5	OK	
E12.000	E90	-0.180	0.000	0.09		4.9	OK	
E12.001	E91	-0.130	0.000	0.37		14.6	OK	
E12.002	E92	-0.120	0.000	0.44		14.5	OK	
E12.003	E94	-0.110	0.000	0.52		18.6	OK	
E12.004	E95	-0.107	0.000	0.53		18.3	OK	
E12.005	E42	-0.124	0.000	0.41		29.6	OK	
E10.001	E34	-0.183	0.000	0.05		9.3	OK	
E9.005	E30	-0.233	0.000	0.37		77.0	OK	
E9.006	E26	-0.230	0.000	0.37		93.2	OK	
E9.007	E27	-0.196	0.000	0.51		91.8	OK	
E9.008	E26	-0.104	0.000	0.34		54.1	OK	
E6.013	E15	0.006	0.000	0.48		71.1	SURCHARGED	
E13.000	E16	-0.178	0.000	0.10		9.4	OK	
E13.001	E17	-0.141	0.000	0.11		8.3	OK	
E13.002	E68	0.186	0.000	0.31		7.8	SURCHARGED	
E6.014	E16	0.048	0.000	0.18		44.8	SURCHARGED	
E14.000	E35	-0.222	0.000	0.00		0.2	OK	
E14.001	E36	-0.068	0.000	0.05		2.0	OK	
E14.002	E37	0.025	0.000	0.10		4.0	SURCHARGED	
E14.003	E38	0.161	0.000	0.06		3.1	SURCHARGED	
E6.015	E39	0.094	0.000	0.37		46.0	SURCHARGED	
E6.016	E38	0.112	0.000	0.29		46.8	SURCHARGED	
E6.017	E39	0.082	0.000	0.25		47.4	SURCHARGED	
E6.018	E40	0.134	0.000	0.37		47.9	SURCHARGED	



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
E6.019	E61	0.143	0.000	0.18		48.0	SURCHARGED	



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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
E15.000	E51	30	Winter	5	+40%				10.749
E15.001	E50	15	Winter	5	+40%	100/15	Summer		10.339
E15.002	E51	15	Winter	5	+40%	30/15	Summer		9.852
E15.003	E52	30	Winter	5	+40%	5/15	Winter		9.679
E15.004	E53	30	Winter	5	+40%				9.429
E15.005	E54	30	Winter	5	+40%				8.933
E15.006	E68	2880	Winter	5	+40%	30/30	Winter		7.341
E5.003	E62	2880	Winter	5	+40%	100/960	Winter		7.341
E16.000	E47	30	Winter	5	+40%				9.343
E16.001	E48	15	Winter	5	+40%	100/15	Winter		8.940
E16.002	E48	15	Winter	5	+40%	30/15	Summer		8.645
E16.003	E82	15	Winter	5	+40%	30/15	Summer		8.290
E17.000	E58	30	Winter	5	+40%				9.016
E17.001	E66	15	Winter	5	+40%				8.819
E17.002	E59	15	Winter	5	+40%				8.620
E17.003	E60	15	Winter	5	+40%				8.610
E17.004	E61	15	Winter	5	+40%				8.568
E17.005	E62	15	Winter	5	+40%				8.546
E17.006	E63	15	Winter	5	+40%				8.438
E17.007	E64	15	Winter	5	+40%				8.382
E16.004	E82	15	Winter	5	+40%	30/15	Winter		8.228
E16.005	E83	15	Winter	5	+40%				7.933
E5.004	E89	2880	Winter	5	+40%	30/720	Winter		7.340
E5.005	E57	2880	Winter	5	+40%	2/180	Winter		7.339

PN	US/MH Name	Surcharged		Flooded		Pipe		Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Flow (l/s)	Status	
E15.000	E51	-0.184	0.000	0.09		2.3	FLOOD RISK*	
E15.001	E50	-0.088	0.000	0.38		7.7	FLOOD RISK*	
E15.002	E51	-0.068	0.000	0.50		7.1	OK	
E15.003	E52	0.008	0.000	0.96		13.7	SURCHARGED*	
E15.004	E53	-0.173	0.000	0.32		17.9	OK	
E15.005	E54	-0.287	0.000	0.11		19.2	OK	
E15.006	E68	-0.134	0.000	0.02		1.3	OK*	
E5.003	E62	-0.330	0.000	0.06		16.7	OK	
E16.000	E47	-0.232	0.000	0.12		10.0	OK	
E16.001	E48	-0.178	0.000	0.33		24.8	OK	
E16.002	E48	-0.130	0.000	0.58		43.9	OK	
E16.003	E82	-0.112	0.000	0.71		43.7	OK	
E17.000	E58	-0.184	0.000	0.08		2.4	OK	
E17.001	E66	-0.174	0.000	0.12		3.6	OK	
E17.002	E59	-0.166	0.000	0.14		3.7	OK	
E17.003	E60	-0.161	0.000	0.18		5.0	OK	
E17.004	E61	-0.158	0.000	0.20		5.0	OK	

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5 year Return Period Summary of Critical Results by Maximum Level (Rank 1)  
for SLR-AB-37

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
E17.005	E62	-0.164	0.000	0.16		4.9	OK	
E17.006	E63	-0.157	0.000	0.20		5.6	OK	
E17.007	E64	-0.165	0.000	0.15		5.5	OK	
E16.004	E82	-0.118	0.000	0.67		53.7	OK	
E16.005	E83	-0.171	0.000	0.38		60.2	OK	
E5.004	E89	-0.176	0.000	0.06		19.4	OK	
E5.005	E57	0.324	0.000	0.17		5.0	SURCHARGED	



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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 3  
 Number of Online Controls 3 Number of Time/Area Diagrams 0  
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
 FEH Rainfall Version 2013  
 Site Location GB 640286 267538 TM 40286 67538  
 Data Type Point  
 Cv (Summer) 0.750  
 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status ON  
 DVD Status ON  
 Inertia Status ON

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
 720, 960, 1440, 2160, 2880  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
E5.000	E85	15 Winter	30	+40%				
<b>E5.001</b>	<b>E2</b>	<b>15 Winter</b>	<b>30</b>	<b>+40%</b>	<b>30/15 Summer</b>	<b>100/15 Summer</b>		
E5.002	E49	1440 Winter	30	+40%	5/30 Winter			
E6.000	E1	15 Winter	30	+40%				
E6.001	E2	15 Winter	30	+40%				
E6.002	E3	15 Winter	30	+40%				
E6.003	E4	15 Winter	30	+40%				
E7.000	E8	30 Winter	30	+40%				
E7.001	E9	15 Winter	30	+40%				
E7.002	E10	15 Winter	30	+40%				
E7.003	E11	15 Winter	30	+40%				
E6.004	E5	30 Winter	30	+40%	100/15 Summer			
E6.005	E4	30 Winter	30	+40%				
E6.006	E7	30 Winter	30	+40%				

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
E5.000	E85	7.945	-0.058	0.000	0.37	15.6	OK	
<b>E5.001</b>	<b>E2</b>	<b>7.898</b>	<b>0.281</b>	<b>0.000</b>	<b>1.31</b>	<b>82.7</b>	<b>FLOOD RISK</b>	<b>4</b>
E5.002	E49	7.606	0.237	0.000	0.18	8.4	SURCHARGED	
E6.000	E1	12.415	-0.092	0.000	0.62	25.3	OK	
E6.001	E2	12.011	-0.080	0.000	0.70	29.9	OK	
E6.002	E3	11.440	-0.094	0.000	0.63	30.5	OK	
E6.003	E4	11.193	-0.124	0.000	0.41	30.5	OK	
E7.000	E8	15.390	-0.316	0.000	0.08	6.1	OK	
E7.001	E9	15.098	-0.137	0.000	0.36	23.4	OK	
E7.002	E10	14.420	-0.139	0.000	0.35	38.6	OK	
E7.003	E11	11.924	-0.120	0.000	0.49	38.3	OK	
E6.004	E5	10.992	-0.021	0.000	1.00	48.8	OK	
E6.005	E4	10.405	-0.077	0.000	0.77	49.0	OK	
E6.006	E7	10.105	-0.094	0.000	0.64	49.3	OK	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
E6.007	E7	30	Winter	30	+40%	100/30	Winter		9.675
E6.008	E8	30	Winter	30	+40%	30/15	Summer		9.517
E6.009	E11	30	Winter	30	+40%				9.014
E6.010	E11	30	Winter	30	+40%	100/30	Winter		8.630
E6.011	E13	30	Winter	30	+40%	100/30	Winter		8.502
E6.012	E14	120	Winter	30	+40%	100/30	Winter		8.344
E8.000	E18	120	Winter	30	+40%	5/30	Summer		8.328
E9.000	E21	30	Winter	30	+40%				12.742
E9.001	E22	15	Winter	30	+40%				12.339
E9.002	E23	15	Winter	30	+40%				12.178
E9.003	E24	15	Winter	30	+40%				11.028
E9.004	E25	15	Winter	30	+40%	100/15	Summer		10.040
E10.000	E34	30	Winter	30	+40%				10.855
E11.000	E31	30	Winter	30	+40%				12.826
E11.001	E32	15	Winter	30	+40%				12.739
E11.002	E33	15	Winter	30	+40%				12.508
E11.003	E34	15	Winter	30	+40%				12.303
E11.004	E35	15	Winter	30	+40%				11.419
E11.005	E30	15	Winter	30	+40%	100/15	Summer		11.343
E11.006	E31	15	Winter	30	+40%	100/15	Winter		11.038
E11.007	E32	15	Winter	30	+40%	100/15	Summer		10.762
E11.008	E33	15	Winter	30	+40%	100/15	Summer		10.625
E12.000	E90	30	Winter	30	+40%				11.432
E12.001	E91	15	Winter	30	+40%				10.973
E12.002	E92	15	Winter	30	+40%	100/15	Summer		10.780
E12.003	E94	15	Winter	30	+40%	100/15	Summer		10.715
E12.004	E95	15	Winter	30	+40%	100/15	Summer		10.644
E12.005	E42	15	Winter	30	+40%				10.444
E10.001	E34	240	Winter	30	+40%	100/180	Winter		10.186
E9.005	E30	15	Winter	30	+40%				9.640
E9.006	E26	15	Winter	30	+40%	100/15	Winter		9.310
E9.007	E27	15	Winter	30	+40%	30/15	Winter		8.638
E9.008	E26	120	Winter	30	+40%	30/15	Summer		8.439
E6.013	E15	120	Winter	30	+40%	5/30	Winter		8.328
E13.000	E16	30	Winter	30	+40%				10.111
E13.001	E17	120	Winter	30	+40%	30/30	Summer		8.325
E13.002	E68	120	Winter	30	+40%	5/15	Summer		8.320
E6.014	E16	120	Winter	30	+40%	5/60	Winter		8.313
E14.000	E35	30	Winter	30	+40%				9.424
E14.001	E36	600	Winter	30	+40%	30/30	Summer		7.783
E14.002	E37	600	Winter	30	+40%	5/30	Winter		7.782
E14.003	E38	600	Winter	30	+40%	2/60	Winter		7.781
E6.015	E39	600	Winter	30	+40%	5/15	Summer		7.782
E6.016	E38	720	Winter	30	+40%	5/15	Summer		7.768
E6.017	E39	720	Winter	30	+40%	5/15	Summer		7.671
E6.018	E40	960	Winter	30	+40%	2/30	Summer		7.615
E6.019	E61	960	Winter	30	+40%	2/30	Summer		7.611

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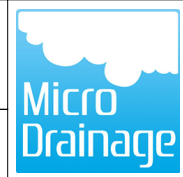
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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Surcharged Flooded		Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )				
E6.007	E7	-0.091	0.000	0.62	49.5	OK	
<b>E6.008</b>	<b>E8</b>	<b>0.159</b>	<b>0.000</b>	<b>1.28</b>	<b>50.1</b>	<b>SURCHARGED</b>	
E6.009	E11	-0.085	0.000	0.71	50.4	OK	
E6.010	E11	-0.086	0.000	0.86	50.8	OK	
E6.011	E13	-0.080	0.000	0.89	50.7	OK	
E6.012	E14	-0.155	0.000	0.25	35.3	OK	
E8.000	E18	0.388	0.000	0.01	0.3	SURCHARGED	
E9.000	E21	-0.255	0.000	0.05	6.5	OK	
E9.001	E22	-0.226	0.000	0.14	15.5	OK	
E9.002	E23	-0.127	0.000	0.59	71.6	OK	
E9.003	E24	-0.118	0.000	0.73	123.1	OK	
E9.004	E25	-0.074	0.000	0.97	153.3	OK	
E10.000	E34	-0.181	0.000	0.09	4.8	OK	
E11.000	E31	-0.181	0.000	0.08	3.2	OK	
E11.001	E32	-0.164	0.000	0.16	8.9	OK	
E11.002	E33	-0.150	0.000	0.24	10.6	OK	
E11.003	E34	-0.161	0.000	0.17	10.5	OK	
E11.004	E35	-0.155	0.000	0.21	10.4	OK	
E11.005	E30	-0.017	0.000	0.98	59.2	OK	
E11.006	E31	-0.093	0.000	0.80	80.3	OK	
E11.007	E32	-0.091	0.000	0.82	80.9	OK	
E11.008	E33	-0.061	0.000	0.95	88.3	OK	
E12.000	E90	-0.168	0.000	0.15	8.2	OK	
E12.001	E91	-0.082	0.000	0.70	27.7	OK	
E12.002	E92	-0.066	0.000	0.84	27.7	OK	
E12.003	E94	-0.040	0.000	0.97	35.0	OK	
E12.004	E95	-0.035	0.000	0.99	34.1	OK	
E12.005	E42	-0.074	0.000	0.77	55.8	OK	
E10.001	E34	-0.078	0.000	0.05	9.8	OK	
E9.005	E30	-0.142	0.000	0.73	154.0	OK	
E9.006	E26	-0.137	0.000	0.74	184.1	OK	
E9.007	E27	0.036	0.000	0.96	172.7	SURCHARGED	
E9.008	E26	0.258	0.000	0.54	85.5	SURCHARGED	
E6.013	E15	0.306	0.000	0.78	114.5	FLOOD RISK	
E13.000	E16	-0.164	0.000	0.17	15.8	OK	
E13.001	E17	0.162	0.000	0.17	12.4	SURCHARGED	
E13.002	E68	0.489	0.000	0.46	11.9	FLOOD RISK	
E6.014	E16	0.351	0.000	0.18	44.9	SURCHARGED	
E14.000	E35	-0.220	0.000	0.00	0.4	OK	
E14.001	E36	0.051	0.000	0.02	0.8	SURCHARGED	
E14.002	E37	0.144	0.000	0.04	1.6	SURCHARGED	
E14.003	E38	0.282	0.000	0.03	1.6	SURCHARGED	
E6.015	E39	0.220	0.000	0.36	45.3	SURCHARGED	
E6.016	E38	0.231	0.000	0.27	44.1	SURCHARGED	
E6.017	E39	0.204	0.000	0.24	44.4	SURCHARGED	
E6.018	E40	0.315	0.000	0.29	37.9	SURCHARGED	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
E6.019	E61	0.326	0.000	0.14		37.8	SURCHARGED	





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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
E15.000	E51	30 Winter	30	+40%					10.778
E15.001	E50	15 Winter	30	+40%	100/15 Summer				10.403
E15.002	E51	15 Winter	30	+40%	30/15 Summer				10.034
E15.003	E52	15 Winter	30	+40%	5/15 Winter				9.949
E15.004	E53	15 Winter	30	+40%					9.487
E15.005	E54	30 Winter	30	+40%					8.977
E15.006	E68	1440 Winter	30	+40%	30/30 Winter				7.606
E5.003	E62	1440 Winter	30	+40%	100/960 Winter				7.604
E16.000	E47	30 Winter	30	+40%					9.364
E16.001	E48	15 Winter	30	+40%	100/15 Winter				8.997
E16.002	E48	15 Winter	30	+40%	30/15 Summer				8.821
E16.003	E82	15 Winter	30	+40%	30/15 Summer				8.451
E17.000	E58	30 Winter	30	+40%					9.029
E17.001	E66	15 Winter	30	+40%					8.838
E17.002	E59	15 Winter	30	+40%					8.644
E17.003	E60	15 Winter	30	+40%					8.635
E17.004	E61	15 Winter	30	+40%					8.594
E17.005	E62	15 Winter	30	+40%					8.569
E17.006	E63	15 Winter	30	+40%					8.464
E17.007	E64	15 Winter	30	+40%					8.411
E16.004	E82	15 Winter	30	+40%	30/15 Winter				8.370
E16.005	E83	15 Winter	30	+40%					7.974
E5.004	E89	2880 Winter	30	+40%	30/720 Winter				7.520
E5.005	E57	2880 Winter	30	+40%	2/180 Winter				7.519

PN	US/MH Name	Surcharged		Flooded		Pipe		Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Flow (l/s)	Status	
E15.000	E51	-0.155	0.000	0.15		3.9	FLOOD RISK*	
E15.001	E50	-0.024	0.000	0.73		14.7	FLOOD RISK*	
E15.002	E51	0.113	0.000	0.77		11.0	SURCHARGED*	
E15.003	E52	0.278	0.000	1.26		18.0	SURCHARGED*	
E15.004	E53	-0.115	0.000	0.47		26.1	OK	
E15.005	E54	-0.243	0.000	0.17		29.5	OK	
E15.006	E68	0.131	0.000	0.06		3.9	SURCHARGED*	
E5.003	E62	-0.067	0.000	0.15		42.7	OK	
E16.000	E47	-0.211	0.000	0.19		16.7	OK	
E16.001	E48	-0.121	0.000	0.62		46.3	OK	
E16.002	E48	0.046	0.000	1.01		76.3	SURCHARGED	
E16.003	E82	0.049	0.000	1.16		71.3	SURCHARGED	
E17.000	E58	-0.171	0.000	0.13		4.0	OK	
E17.001	E66	-0.154	0.000	0.20		6.3	OK	
E17.002	E59	-0.142	0.000	0.25		6.4	OK	
E17.003	E60	-0.135	0.000	0.33		9.0	OK	
E17.004	E61	-0.132	0.000	0.36		9.0	OK	

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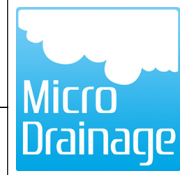
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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
E17.005	E62	-0.142	0.000	0.29		8.8	OK	
E17.006	E63	-0.131	0.000	0.36		10.1	OK	
E17.007	E64	-0.137	0.000	0.27		9.6	OK	
<b>E16.004</b>	<b>E82</b>	<b>0.023</b>	<b>0.000</b>	<b>1.07</b>		<b>85.1</b>	<b>SURCHARGED</b>	
E16.005	E83	-0.130	0.000	0.59		93.5	OK	
E5.004	E89	0.004	0.000	0.09		29.5	SURCHARGED	
E5.005	E57	0.504	0.000	0.17		4.9	SURCHARGED	



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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000  
 Hot Start (mins) 0 MADD Factor \* 10m<sup>3</sup>/ha Storage 2.000  
 Hot Start Level (mm) 0 Inlet Coefficient 0.800  
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000  
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 3  
 Number of Online Controls 3 Number of Time/Area Diagrams 0  
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH  
 FEH Rainfall Version 2013  
 Site Location GB 640286 267538 TM 40286 67538  
 Data Type Point  
 Cv (Summer) 0.750  
 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0  
 Analysis Timestep 2.5 Second Increment (Extended)  
 DTS Status ON  
 DVD Status ON  
 Inertia Status ON

Profile(s) Summer and Winter  
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,  
 720, 960, 1440, 2160, 2880  
 Return Period(s) (years) 2, 5, 30, 100  
 Climate Change (%) 0, 40, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.
E5.000	E85	30 Winter	100	+40%				
E5.001	E2	15 Winter	100	+40%	30/15 Summer	100/15 Summer		
E5.002	E49	2160 Winter	100	+40%	5/30 Winter			
E6.000	E1	15 Winter	100	+40%				
E6.001	E2	15 Winter	100	+40%				
E6.002	E3	15 Winter	100	+40%				
E6.003	E4	15 Winter	100	+40%				
E7.000	E8	30 Winter	100	+40%				
E7.001	E9	15 Winter	100	+40%				
E7.002	E10	15 Winter	100	+40%				
E7.003	E11	15 Winter	100	+40%				
E6.004	E5	30 Winter	100	+40%	100/15 Summer			
E6.005	E4	30 Winter	100	+40%				
E6.006	E7	30 Winter	100	+40%				

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m <sup>3</sup> )	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
E5.000	E85	8.000	-0.003	0.000	0.48	20.4	OK	
<b>E5.001</b>	<b>E2</b>	<b>7.909</b>	<b>0.292</b>	<b>8.723</b>	<b>1.31</b>	<b>82.8</b>	<b>FLOOD</b>	<b>4</b>
E5.002	E49	7.721	0.352	0.000	0.14	6.6	SURCHARGED	
E6.000	E1	12.440	-0.067	0.000	0.79	32.4	OK	
E6.001	E2	12.039	-0.052	0.000	0.89	38.2	OK	
E6.002	E3	11.465	-0.070	0.000	0.81	39.0	OK	
E6.003	E4	11.209	-0.108	0.000	0.53	39.1	OK	
E7.000	E8	15.410	-0.296	0.000	0.10	7.9	OK	
E7.001	E9	15.136	-0.099	0.000	0.47	30.1	FLOOD RISK*	
E7.002	E10	14.456	-0.103	0.000	0.45	49.6	OK	
E7.003	E11	11.962	-0.082	0.000	0.63	49.4	OK	
<b>E6.004</b>	<b>E5</b>	<b>11.096</b>	<b>0.083</b>	<b>0.000</b>	<b>1.08</b>	<b>53.0</b>	<b>SURCHARGED</b>	
E6.005	E4	10.414	-0.068	0.000	0.83	53.2	OK	
E6.006	E7	10.112	-0.087	0.000	0.69	53.4	OK	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) SurchARGE	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
E6.007	E7	30	Winter	100	+40%	100/30	Winter		9.771
<b>E6.008</b>	<b>E8</b>	<b>30</b>	<b>Winter</b>	<b>100</b>	<b>+40%</b>	<b>30/15</b>	<b>Summer</b>		<b>9.587</b>
E6.009	E11	60	Winter	100	+40%				9.027
E6.010	E11	60	Winter	100	+40%	100/30	Winter		8.807
E6.011	E13	60	Winter	100	+40%	100/30	Winter		8.718
E6.012	E14	60	Winter	100	+40%	100/30	Winter		8.641
E8.000	E18	180	Winter	100	+40%	5/30	Summer		8.549
E9.000	E21	30	Winter	100	+40%				12.749
E9.001	E22	15	Winter	100	+40%				12.350
E9.002	E23	15	Winter	100	+40%				12.211
E9.003	E24	15	Winter	100	+40%				11.101
<b>E9.004</b>	<b>E25</b>	<b>15</b>	<b>Winter</b>	<b>100</b>	<b>+40%</b>	<b>100/15</b>	<b>Summer</b>		<b>10.236</b>
E10.000	E34	30	Winter	100	+40%				10.861
E11.000	E31	30	Winter	100	+40%				12.831
E11.001	E32	15	Winter	100	+40%				12.748
E11.002	E33	15	Winter	100	+40%				12.519
E11.003	E34	15	Winter	100	+40%				12.312
E11.004	E35	15	Winter	100	+40%				11.548
<b>E11.005</b>	<b>E30</b>	<b>15</b>	<b>Winter</b>	<b>100</b>	<b>+40%</b>	<b>100/15</b>	<b>Summer</b>		<b>11.527</b>
E11.006	E31	15	Winter	100	+40%	100/15	Winter		11.133
E11.007	E32	15	Winter	100	+40%	100/15	Summer		10.899
<b>E11.008</b>	<b>E33</b>	<b>15</b>	<b>Winter</b>	<b>100</b>	<b>+40%</b>	<b>100/15</b>	<b>Summer</b>		<b>10.761</b>
E12.000	E90	30	Winter	100	+40%				11.442
E12.001	E91	15	Winter	100	+40%				11.027
E12.002	E92	15	Winter	100	+40%	100/15	Summer		10.890
<b>E12.003</b>	<b>E94</b>	<b>15</b>	<b>Winter</b>	<b>100</b>	<b>+40%</b>	<b>100/15</b>	<b>Summer</b>		<b>10.811</b>
<b>E12.004</b>	<b>E95</b>	<b>15</b>	<b>Winter</b>	<b>100</b>	<b>+40%</b>	<b>100/15</b>	<b>Summer</b>		<b>10.716</b>
E12.005	E42	15	Winter	100	+40%				10.465
E10.001	E34	360	Winter	100	+40%	100/180	Winter		10.300
E9.005	E30	15	Winter	100	+40%				9.708
E9.006	E26	15	Winter	100	+40%	100/15	Winter		9.461
<b>E9.007</b>	<b>E27</b>	<b>15</b>	<b>Winter</b>	<b>100</b>	<b>+40%</b>	<b>30/15</b>	<b>Winter</b>		<b>8.902</b>
E9.008	E26	180	Winter	100	+40%	30/15	Summer		8.659
E6.013	E15	180	Winter	100	+40%	5/30	Winter		8.550
E13.000	E16	30	Winter	100	+40%				10.121
E13.001	E17	180	Winter	100	+40%	30/30	Summer		8.542
E13.002	E68	180	Winter	100	+40%	5/15	Summer		8.538
E6.014	E16	180	Winter	100	+40%	5/60	Winter		8.530
E14.000	E35	30	Winter	100	+40%				9.425
E14.001	E36	1440	Winter	100	+40%	30/30	Summer		7.979
E14.002	E37	1440	Winter	100	+40%	5/30	Winter		7.979
E14.003	E38	1440	Winter	100	+40%	2/60	Winter		7.977
E6.015	E39	1440	Winter	100	+40%	5/15	Summer		7.977
E6.016	E38	1440	Winter	100	+40%	5/15	Summer		7.971
E6.017	E39	1440	Winter	100	+40%	5/15	Summer		7.874
E6.018	E40	1440	Winter	100	+40%	2/30	Summer		7.766
E6.019	E61	1440	Winter	100	+40%	2/30	Summer		7.761

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Surcharged Flooded		Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )				
E6.007	E7	0.005	0.000	0.67	53.5	SURCHARGED	
<b>E6.008</b>	<b>E8</b>	<b>0.229</b>	<b>0.000</b>	<b>1.39</b>	<b>54.1</b>	<b>SURCHARGED</b>	
E6.009	E11	-0.072	0.000	0.74	52.7	OK	
E6.010	E11	0.092	0.000	0.91	53.9	SURCHARGED	
E6.011	E13	0.136	0.000	0.94	53.3	SURCHARGED	
E6.012	E14	0.141	0.000	0.36	50.7	SURCHARGED	
E8.000	E18	0.609	0.000	0.01	0.3	FLOOD RISK	
E9.000	E21	-0.248	0.000	0.07	8.5	OK	
E9.001	E22	-0.215	0.000	0.17	19.8	OK	
E9.002	E23	-0.095	0.000	0.76	91.7	OK	
E9.003	E24	-0.045	0.000	0.91	153.8	OK	
<b>E9.004</b>	<b>E25</b>	<b>0.121</b>	<b>0.000</b>	<b>1.20</b>	<b>189.4</b>	<b>SURCHARGED</b>	
E10.000	E34	-0.175	0.000	0.11	6.3	OK	
E11.000	E31	-0.176	0.000	0.11	4.1	OK	
E11.001	E32	-0.156	0.000	0.20	11.3	OK	
E11.002	E33	-0.139	0.000	0.30	13.6	OK	
E11.003	E34	-0.152	0.000	0.22	13.4	OK	
E11.004	E35	-0.026	0.000	0.34	17.1	OK	
<b>E11.005</b>	<b>E30</b>	<b>0.166</b>	<b>0.000</b>	<b>1.15</b>	<b>69.5</b>	<b>SURCHARGED</b>	
E11.006	E31	0.002	0.000	0.94	93.9	SURCHARGED	
E11.007	E32	0.047	0.000	0.92	90.7	SURCHARGED	
<b>E11.008</b>	<b>E33</b>	<b>0.075</b>	<b>0.000</b>	<b>1.07</b>	<b>99.5</b>	<b>SURCHARGED</b>	
E12.000	E90	-0.158	0.000	0.19	10.7	OK	
E12.001	E91	-0.028	0.000	0.88	35.0	OK	
E12.002	E92	0.045	0.000	0.96	31.4	SURCHARGED	
<b>E12.003</b>	<b>E94</b>	<b>0.056</b>	<b>0.000</b>	<b>1.09</b>	<b>39.2</b>	<b>SURCHARGED</b>	
<b>E12.004</b>	<b>E95</b>	<b>0.037</b>	<b>0.000</b>	<b>1.13</b>	<b>38.7</b>	<b>SURCHARGED</b>	
E12.005	E42	-0.053	0.000	0.92	66.6	OK	
E10.001	E34	0.036	0.000	0.05	9.9	SURCHARGED	
E9.005	E30	-0.074	0.000	0.91	191.1	OK	
E9.006	E26	0.014	0.000	0.85	210.7	SURCHARGED	
<b>E9.007</b>	<b>E27</b>	<b>0.300</b>	<b>0.000</b>	<b>1.11</b>	<b>201.0</b>	<b>SURCHARGED</b>	
E9.008	E26	0.478	0.000	0.53	83.5	FLOOD RISK	
E6.013	E15	0.528	0.000	0.80	117.5	FLOOD RISK	
E13.000	E16	-0.154	0.000	0.22	20.4	OK	
E13.001	E17	0.379	0.000	0.17	12.7	FLOOD RISK	
E13.002	E68	0.706	0.000	0.48	12.4	FLOOD RISK	
E6.014	E16	0.568	0.000	0.18	44.9	SURCHARGED	
E14.000	E35	-0.219	0.000	0.01	0.5	OK	
E14.001	E36	0.246	0.000	0.01	0.5	SURCHARGED	
E14.002	E37	0.340	0.000	0.03	1.1	FLOOD RISK	
E14.003	E38	0.478	0.000	0.02	1.0	SURCHARGED	
E6.015	E39	0.414	0.000	0.28	35.5	SURCHARGED	
E6.016	E38	0.435	0.000	0.23	36.3	SURCHARGED	
E6.017	E39	0.407	0.000	0.19	36.6	SURCHARGED	
E6.018	E40	0.466	0.000	0.28	36.9	SURCHARGED	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
E6.019	E61	0.477	0.000	0.14		36.8	SURCHARGED	



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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
E15.000	E51	30 Winter	100	+40%					10.792
E15.001	E50	15 Winter	100	+40%	100/15 Summer				10.455
E15.002	E51	30 Winter	100	+40%	30/15 Summer				10.290
<b>E15.003</b>	<b>E52</b>	<b>15 Winter</b>	<b>100</b>	<b>+40%</b>	<b>5/15 Winter</b>				<b>10.245</b>
E15.004	E53	15 Winter	100	+40%					9.528
E15.005	E54	30 Winter	100	+40%					9.000
E15.006	E68	2160 Winter	100	+40%	30/30 Winter				7.721
E5.003	E62	2160 Winter	100	+40%	100/960 Winter				7.722
E16.000	E47	30 Winter	100	+40%					9.377
E16.001	E48	15 Winter	100	+40%	100/15 Winter				9.158
<b>E16.002</b>	<b>E48</b>	<b>15 Winter</b>	<b>100</b>	<b>+40%</b>	<b>30/15 Summer</b>				<b>9.033</b>
<b>E16.003</b>	<b>E82</b>	<b>15 Winter</b>	<b>100</b>	<b>+40%</b>	<b>30/15 Summer</b>				<b>8.562</b>
E17.000	E58	30 Winter	100	+40%					9.037
E17.001	E66	15 Winter	100	+40%					8.848
E17.002	E59	15 Winter	100	+40%					8.657
E17.003	E60	15 Winter	100	+40%					8.648
E17.004	E61	15 Winter	100	+40%					8.609
E17.005	E62	15 Winter	100	+40%					8.582
E17.006	E63	15 Winter	100	+40%					8.507
E17.007	E64	15 Winter	100	+40%					8.491
<b>E16.004</b>	<b>E82</b>	<b>15 Winter</b>	<b>100</b>	<b>+40%</b>	<b>30/15 Winter</b>				<b>8.458</b>
E16.005	E83	15 Winter	100	+40%					7.987
E5.004	E89	2160 Winter	100	+40%	30/720 Winter				7.719
E5.005	E57	2160 Winter	100	+40%	2/180 Winter				7.718

PN	US/MH Name	Surcharged		Flooded		Pipe		Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Flow (l/s)	Status	
E15.000	E51	-0.141	0.000	0.19		5.0	FLOOD RISK*	
E15.001	E50	0.028	0.000	0.89		18.0	FLOOD RISK*	
E15.002	E51	0.370	0.000	0.97		13.9	FLOOD RISK*	
<b>E15.003</b>	<b>E52</b>	<b>0.574</b>	<b>0.000</b>	<b>1.48</b>		<b>21.1</b>	<b>FLOOD RISK*</b>	
E15.004	E53	-0.074	0.000	0.59		33.1	OK	
E15.005	E54	-0.220	0.000	0.22		38.0	OK	
E15.006	E68	0.246	0.000	0.06		3.8	SURCHARGED*	
E5.003	E62	0.051	0.000	0.14		40.3	SURCHARGED	
E16.000	E47	-0.198	0.000	0.25		21.7	OK	
E16.001	E48	0.040	0.000	0.68		51.0	SURCHARGED	
<b>E16.002</b>	<b>E48</b>	<b>0.258</b>	<b>0.000</b>	<b>1.16</b>		<b>87.5</b>	<b>SURCHARGED</b>	
<b>E16.003</b>	<b>E82</b>	<b>0.160</b>	<b>0.000</b>	<b>1.33</b>		<b>81.8</b>	<b>SURCHARGED</b>	
E17.000	E58	-0.163	0.000	0.17		5.3	OK	
E17.001	E66	-0.145	0.000	0.26		8.0	OK	
E17.002	E59	-0.129	0.000	0.32		8.2	OK	
E17.003	E60	-0.122	0.000	0.42		11.7	OK	
E17.004	E61	-0.117	0.000	0.46		11.6	OK	



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XP Solutions

Network 2019.1

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SLR-AB-37

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m <sup>3</sup> )	Flow / Cap.	Overflow (l/s)			
E17.005	E62	-0.129	0.000	0.38		11.5	OK	
E17.006	E63	-0.088	0.000	0.44		12.3	OK	
E17.007	E64	-0.056	0.000	0.33		11.5	OK	
<b>E16.004</b>	<b>E82</b>	<b>0.111</b>	<b>0.000</b>	<b>1.22</b>		<b>97.5</b>	<b>SURCHARGED</b>	
E16.005	E83	-0.118	0.000	0.67		105.6	OK	
E5.004	E89	0.203	0.000	0.14		48.7	SURCHARGED	
E5.005	E57	0.703	0.000	0.17		5.0	FLOOD RISK	

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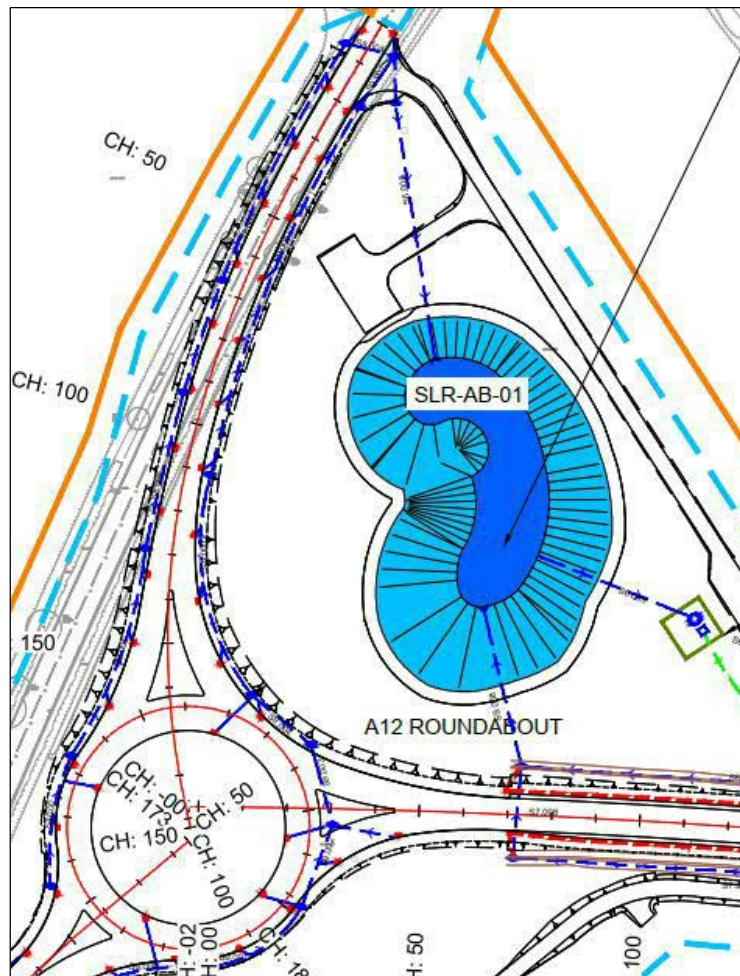
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## APPENDIX D: ATTENUATION BASIN LOCATION, LAYOUT PLANS AND HYDRAULIC PERFORMANCE

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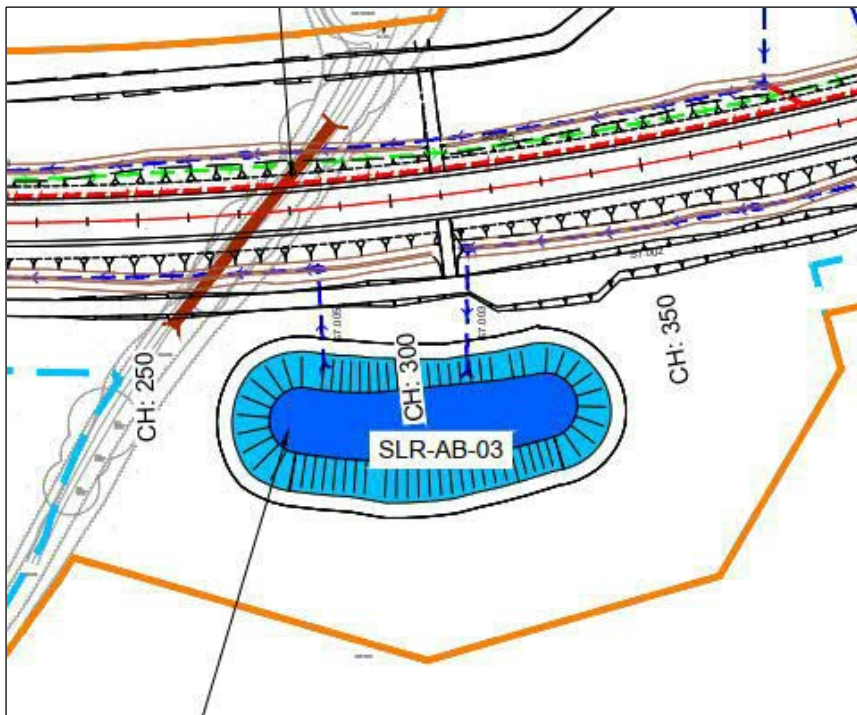
## APPENDIX D: ATTENUATION BASIN LOCATION, LAYOUT PLANS AND HYDRAULIC PERFORMANCE



Attenuation Basin SLR-AB-01			
Basin Invert Level	36.229	m	Metres Above Ordnance Datum
Basin Top Level	39.070		
Water Volume at 1 in 100 year Event	940	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.730	m	Above pond Invert

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Freeboard 1 in 100 year Event (m)	1.111		
Predicted Annual Water Level-			
1 in 2 year	36.798	m	Metres Above Ordnance Datum
1 in 5 year	36.918		
1 in 100 year	37.959		

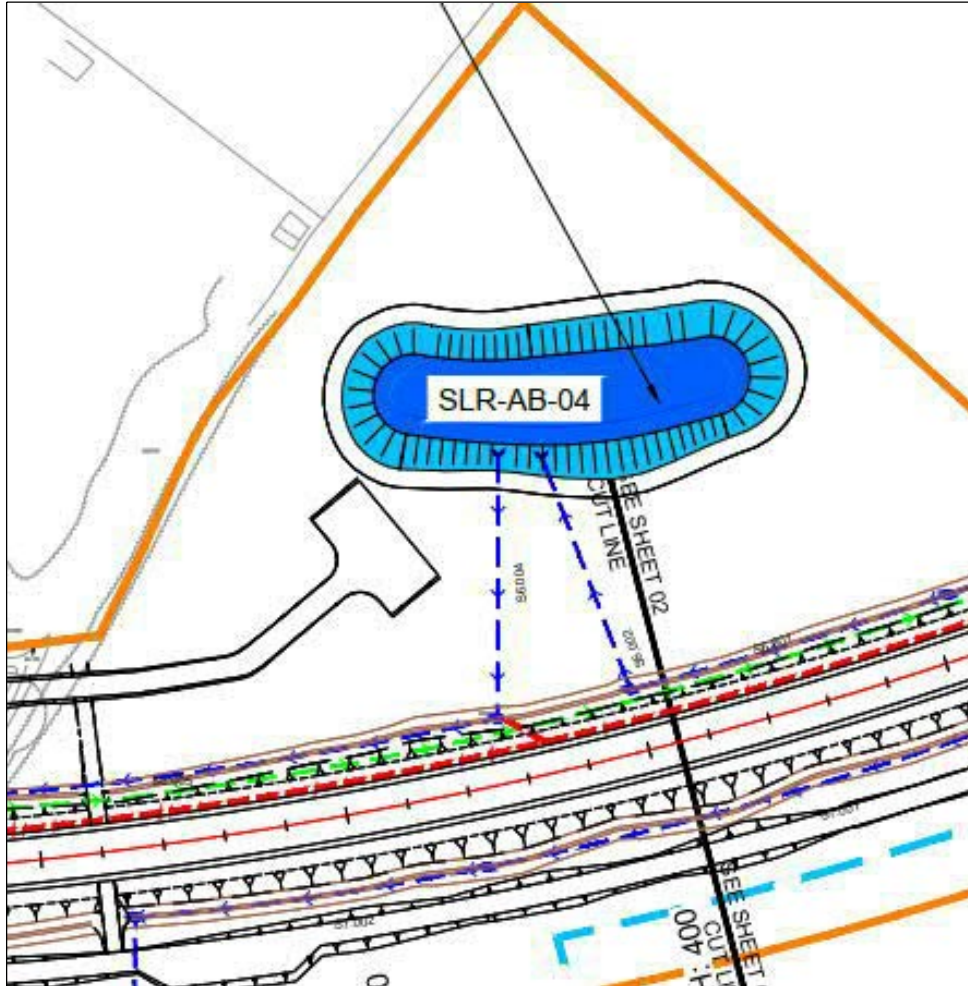


Attenuation Basin SLR-AB-03			
Basin Invert Level	38.956	m	Metres Above Ordnance Datum
Basin Top Level	40.240		
Water Volume at 1 in 100 year Event	521	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.549	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.735		
Predicted Annual Water Level-			
1 in 2 year	36.798		

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1 in 5 year	36.918	m	Metres Above Ordnance Datum
1 in 100 year	37.959		



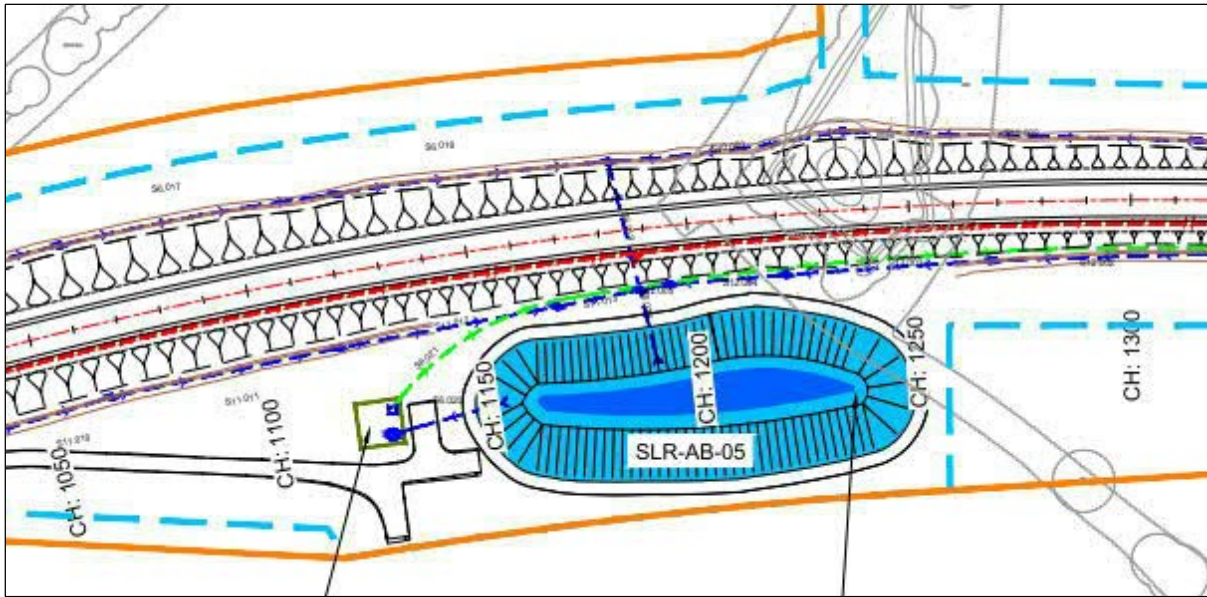
Attenuation Basin SLR-AB-04			
Basin Invert Level	39.220	m	Metres Above Ordnance Datum
Basin Top Level	41.220		
Water Volume at 1 in 100 year Event	525	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.262	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.738		
Predicted Annual Water Level-			
1 in 2 year	39.309		

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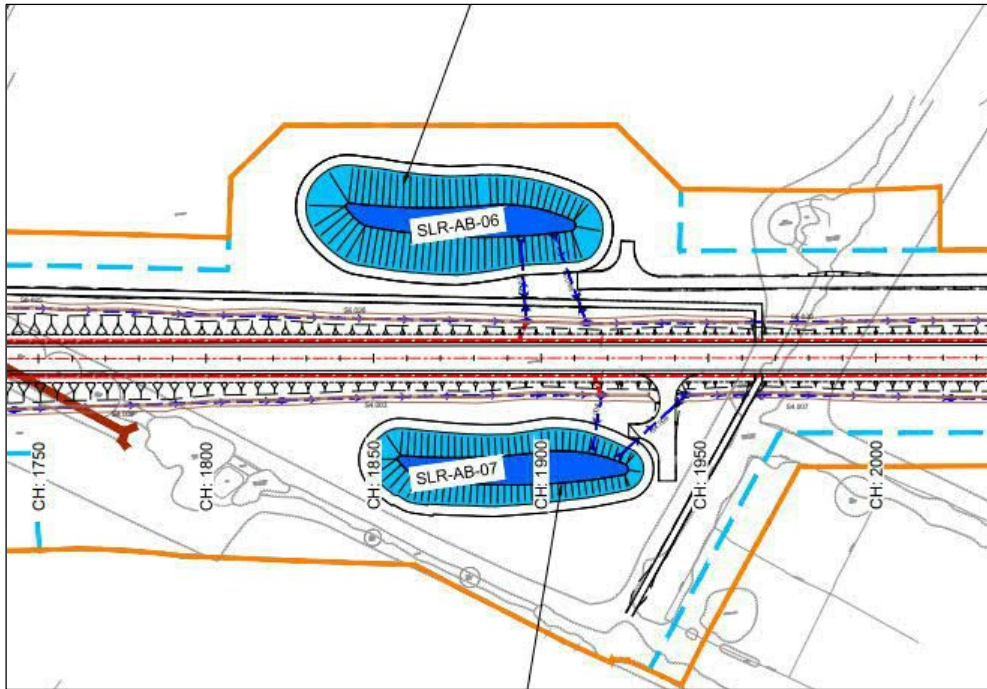
1 in 5 year	39.329	m	Metres Above Ordnance Datum
1 in 100 year	39.482		



Attenuation Basin SLR-AB-05			
Basin Invert Level	35.300	m	Metres Above Ordnance Datum
Basin Top Level	39.200		
Water Volume at 1 in 100 year Event	912	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.907	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.990		
Predicted Annual Water Level-			
1 in 2 year	36.142	m	Metres Above Ordnance Datum
1 in 5 year	36.314		
1 in 100 year	37.207		

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Attenuation Basin SLR-AB-06			
Basin Invert Level	30.936	m	Metres Above Ordnance Datum
Basin Top Level	32.711		
Water Volume at 1 in 100 year Event	488	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.433	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.342		
Predicted Annual Water Level-			
1 in 2 year	31.964	m	Metres Above Ordnance Datum
1 in 5 year	31.983		
1 in 100 year	32.369		

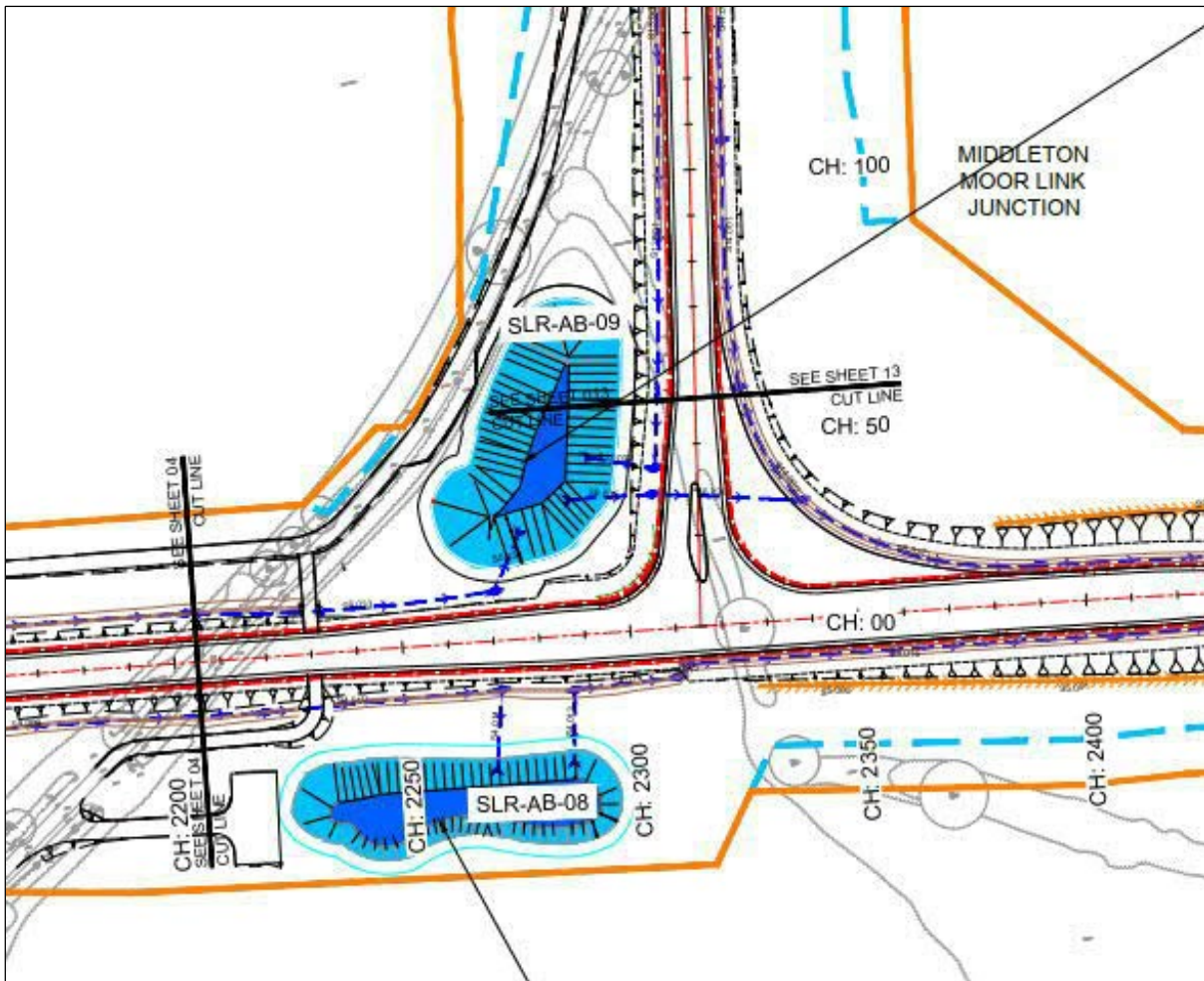
Attenuation Basin SLR-AB-07			
Basin Invert Level	31.775	m	Metres Above Ordnance Datum
Basin Top Level	33.200		
Water Volume at 1 in 100 year Event	1821	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.746	m	Above pond Invert

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Freeboard 1 in 100 year Event (m)	0.679		
Predicted Annual Water Level-			
1 in 2 year	31.952	m	Metres Above Ordnance Datum
1 in 5 year	31.995		
1 in 100 year	32.454		



Attenuation Basin SLR-AB-08			
Basin Invert Level	25.296	m	Metres Above Ordnance Datum
Basin Top Level	26.830		
Water Volume at 1 in 100 year Event	340	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.779	m	Above pond Invert

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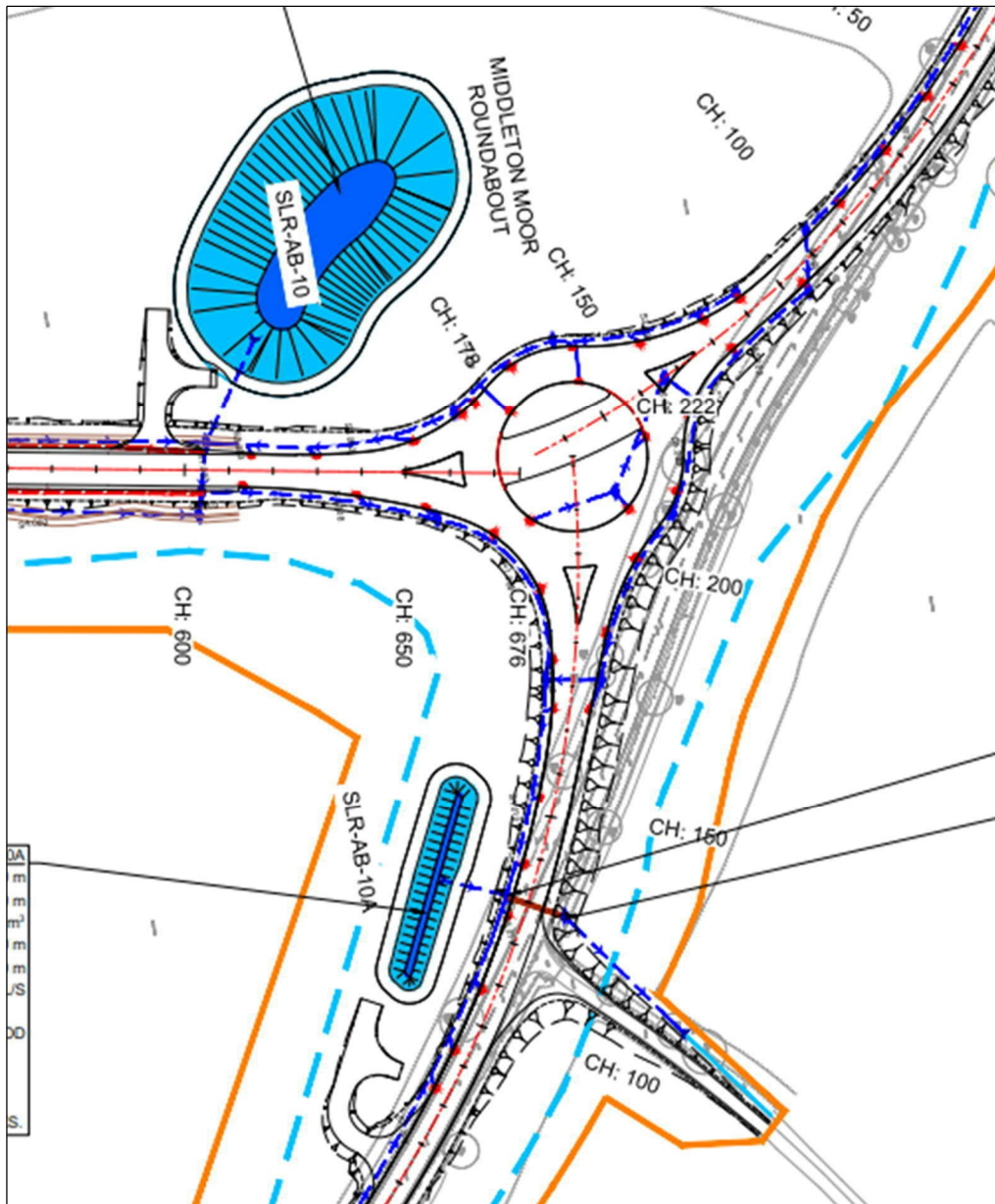
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Freeboard 1 in 100 year Event (m)	755		
Predicted Annual Water Level-			
1 in 2 year	25.536	m	Metres Above Ordnance Datum
1 in 5 year	25.587		
1 in 100 year	26.075		

Attenuation Basin SLR-AB-09			
Basin Invert Level	23.072	m	Metres Above Ordnance Datum
Basin Top Level	26.350		
Water Volume at 1 in 100 year Event	721	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.921	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.357		
Predicted Annual Water Level-			
1 in 2 year	23.422	m	Metres Above Ordnance Datum
1 in 5 year	23.484		
1 in 100 year	24.993		

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Attenuation Basin SLR-AB-10			
Basin Invert Level	20.240	m	Metres Above Ordnance Datum
Basin Top Level	22.700		
Water Volume at 1 in 100 year Event	470	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.748	m	Above pond Invert

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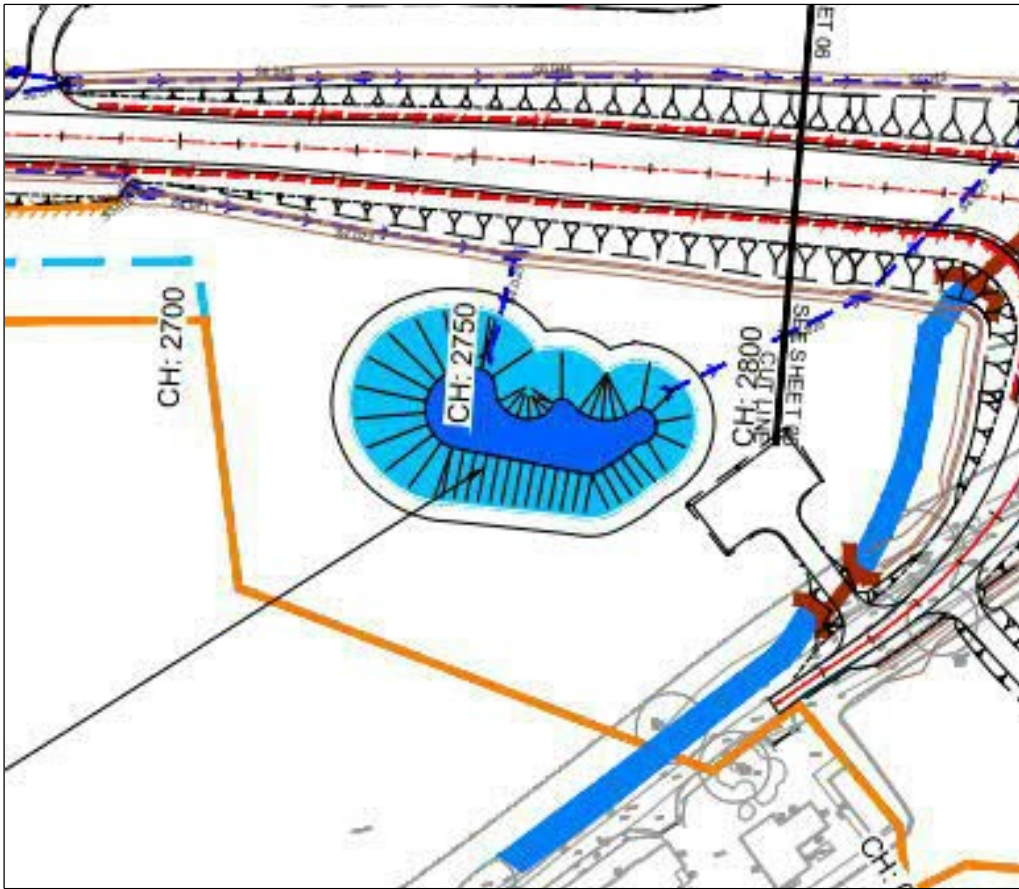
Freeboard 1 in 100 year Event (m)	1.702		
Predicted Annual Water Level-			
1 in 2 year	20.411	m	Metres Above Ordnance Datum
1 in 5 year	20.456		
1 in 100 year	20.988		

Attenuation Basin SLR-AB-10a			
Basin Invert Level	18.500	m	Metres Above Ordnance Datum
Basin Top Level	20.240		
Water Volume at 1 in 100 year Event	462	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.713	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.0207		
Predicted Annual Water Level-			
1 in 2 year	19.010	m	Metres Above Ordnance Datum
1 in 5 year	19.140		
1 in 100 year	20.198		

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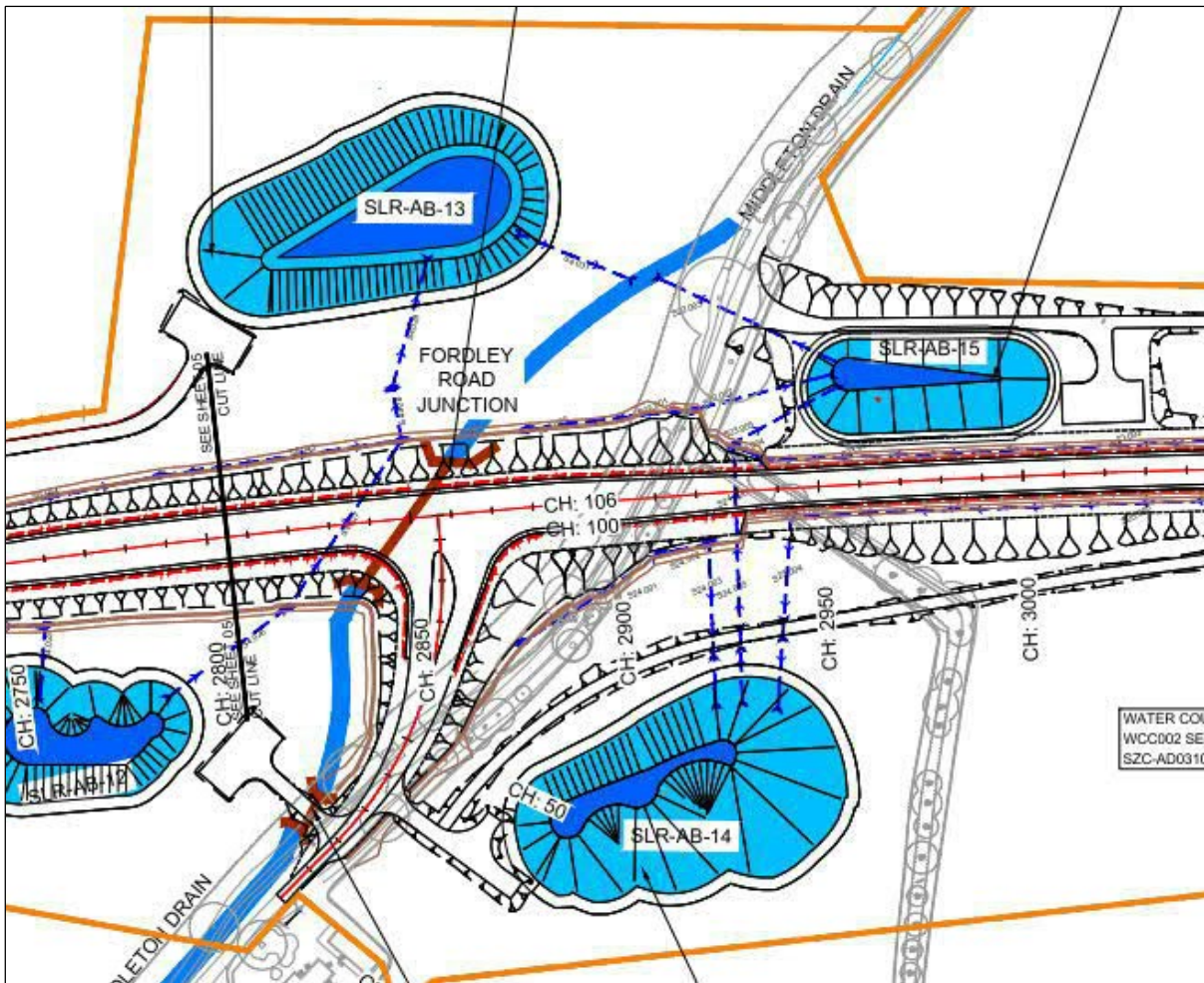


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Attenuation Basin SLR-AB-12			
Basin Invert Level	9.328	m	Metres Above Ordnance Datum
Basin Top Level	12.387		
Water Volume at 1 in 100 year Event	912	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.472	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.587		
Predicted Annual Water Level-			
1 in 2 year	9.943	m	Metres Above Ordnance Datum
1 in 5 year	10.075		
1 in 100 year	10.800		

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Attenuation Basin SLR-AB-13			
Basin Invert Level	9.038	m	Metres Above Ordnance Datum
Basin Top Level	11.421		
Water Volume at 1 in 100 year Event	419	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.683	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.700		
Predicted Annual Water Level-			
1 in 2 year	9.957	m	Metres Above Ordnance Datum
1 in 5 year	10.103		
1 in 100 year	10.721		

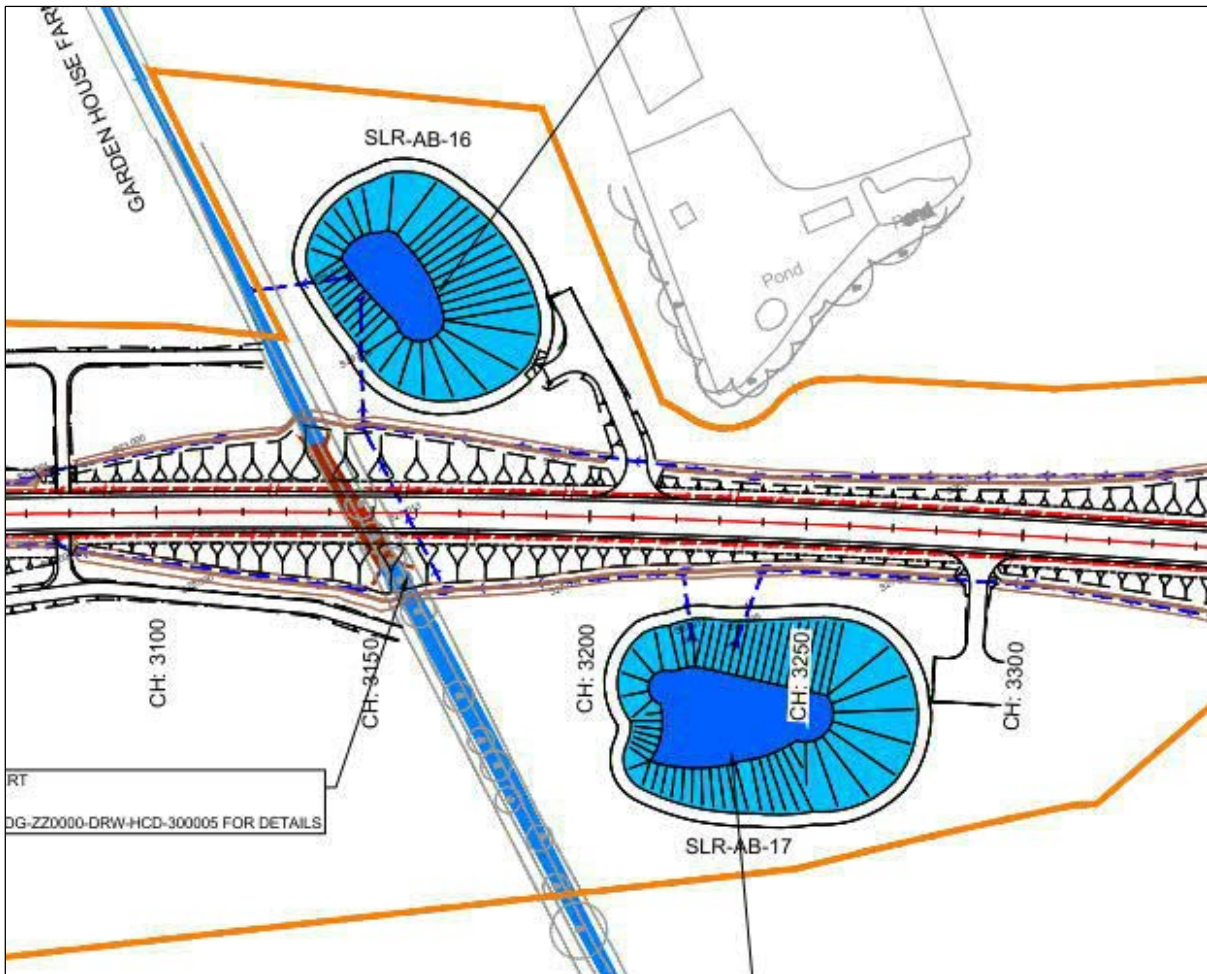
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Attenuation Basin SLR-AB-14			
Basin Invert Level	10.628	m	Metres Above Ordnance Datum
Basin Top Level	12.328		
Water Volume at 1 in 100 year Event	700	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.746	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.954		
Predicted Annual Water Level-			
1 in 2 year	10.843	m	Metres Above Ordnance Datum
1 in 5 year	10.889		
1 in 100 year	11.374		

Attenuation Basin SLR-AB-15			
Basin Invert Level	8.771	m	Metres Above Ordnance Datum
Basin Top Level	10.00		
Water Volume at 1 in 100 year Event	170	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.647	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.582		
Predicted Annual Water Level-			
1 in 2 year	9.013	m	Metres Above Ordnance Datum
1 in 5 year	9.015		
1 in 100 year	9.418		

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Attenuation Basin SLR-AB-16			
Basin Invert Level	11.029	m	Metres Above Ordnance Datum
Basin Top Level	12.960		
Water Volume at 1 in 100 year Event	1345	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.491	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.44		
Predicted Annual Water Level-			
1 in 2 year	11.855	m	Metres Above Ordnance Datum
1 in 5 year	11.922		
1 in 100 year	12.514		

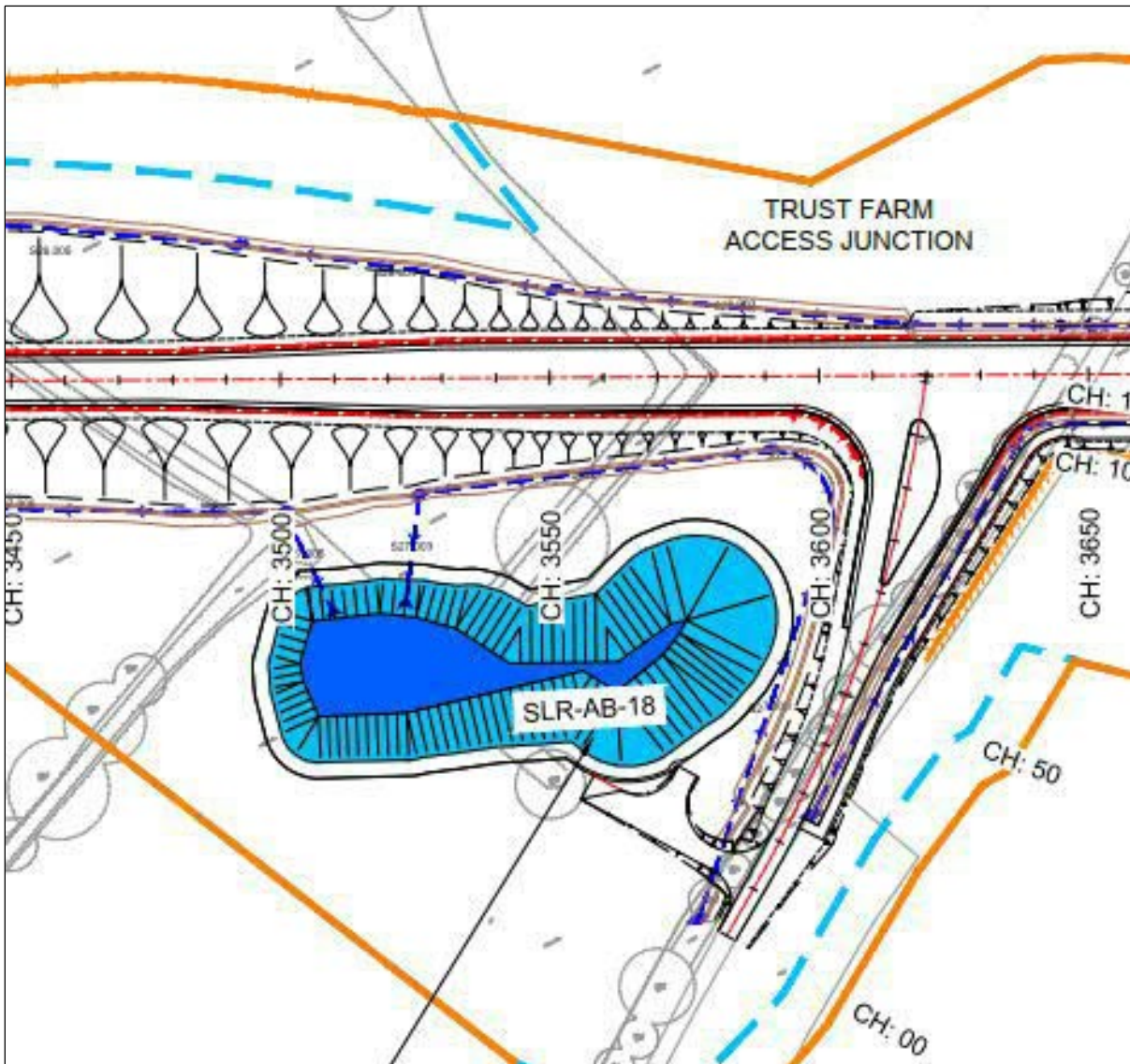


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Attenuation Basin SLR-AB-17			
Basin Invert Level	14.455	m	Metres Above Ordnance Datum
Basin Top Level	17.320		
Water Volume at 1 in 100 year Event	477	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.596	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	2.279		
Predicted Annual Water Level-			
1 in 2 year	14.709	m	Metres Above Ordnance Datum
1 in 5 year	14.757		
1 in 100 year	15.042		

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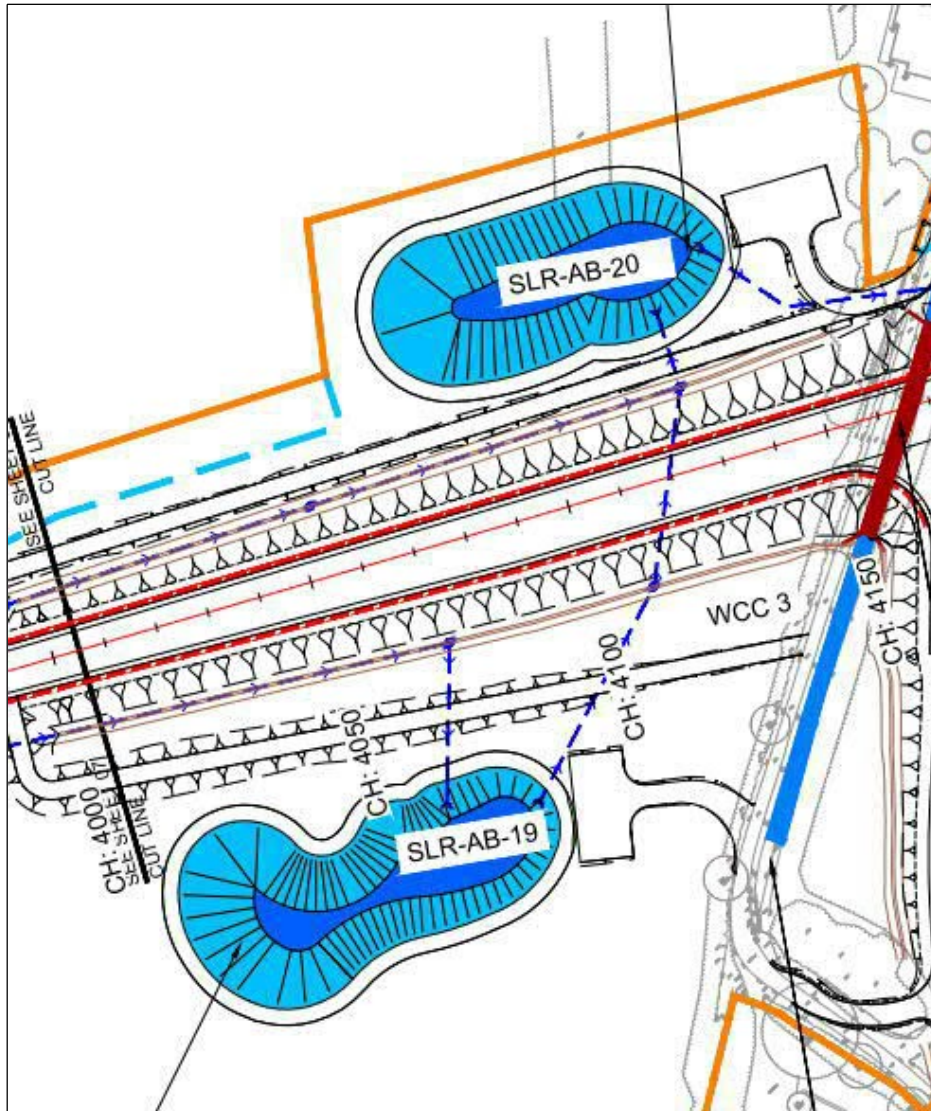


Attenuation Basin SLR-AB-18			
Basin Invert Level	16.626	m	Metres Above Ordnance Datum
Basin Top Level	18.051		
Water Volume at 1 in 100 year Event	542	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.416	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.009		
Predicted Annual Water Level-			
1 in 2 year	16.694		

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1 in 5 year	16.788	m	Metres Above Ordnance Datum
1 in 100 year	17.041		



Attenuation Basin SLR-AB-19			
Basin Invert Level	9.025	m	Metres Above Ordnance Datum
Basin Top Level	11.100		
Water Volume at 1 in 100 year Event	1390	m <sup>3</sup>	

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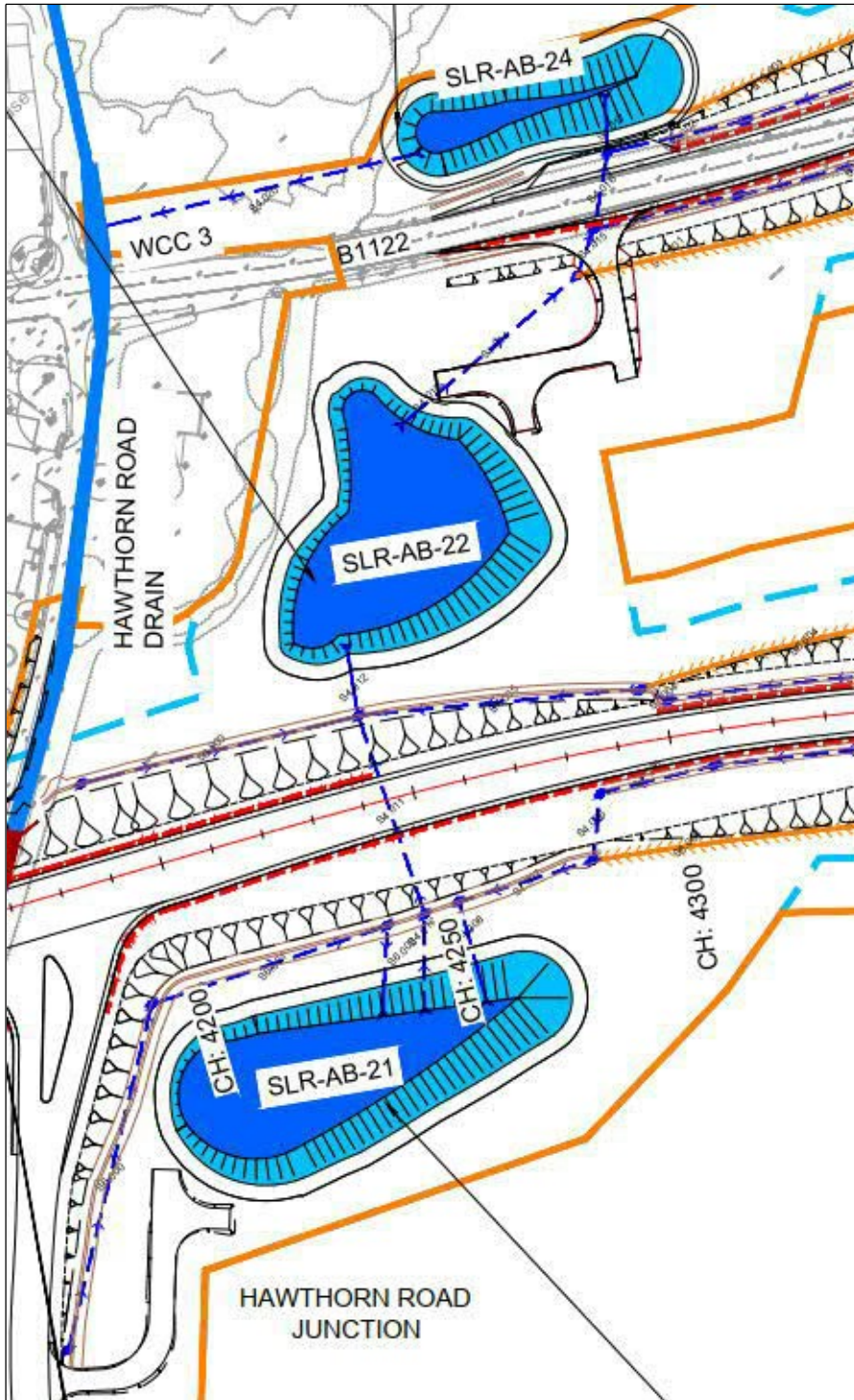
Storage Depth at a 1 in 100 year Event	0.755	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.320		
Predicted Annual Water Level-			
1 in 2 year	9.288	m	Metres Above Ordnance Datum
1 in 5 year	9.358		
1 in 100 year	9.787		

Attenuation Basin SLR-AB-20			
Basin Invert Level	7.723	m	Metres Above Ordnance Datum
Basin Top Level	9.400		
Water Volume at 1 in 100 year Event	641	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.343	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.334		
Predicted Annual Water Level-			
1 in 2 year	8.380	m	Metres Above Ordnance Datum
1 in 5 year	8.471		
1 in 100 year	9.076		

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Attenuation Basin SLR-AB-21			
Basin Invert Level	8.592	m	Metres Above Ordnance Datum
Basin Top Level	10.72		
Water Volume at 1 in 100 year Event	651	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.918	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.21		
Predicted Annual Water Level-			
1 in 2 year	8.817	m	Metres Above Ordnance Datum
1 in 5 year	8.872		
1 in 100 year	9.510		

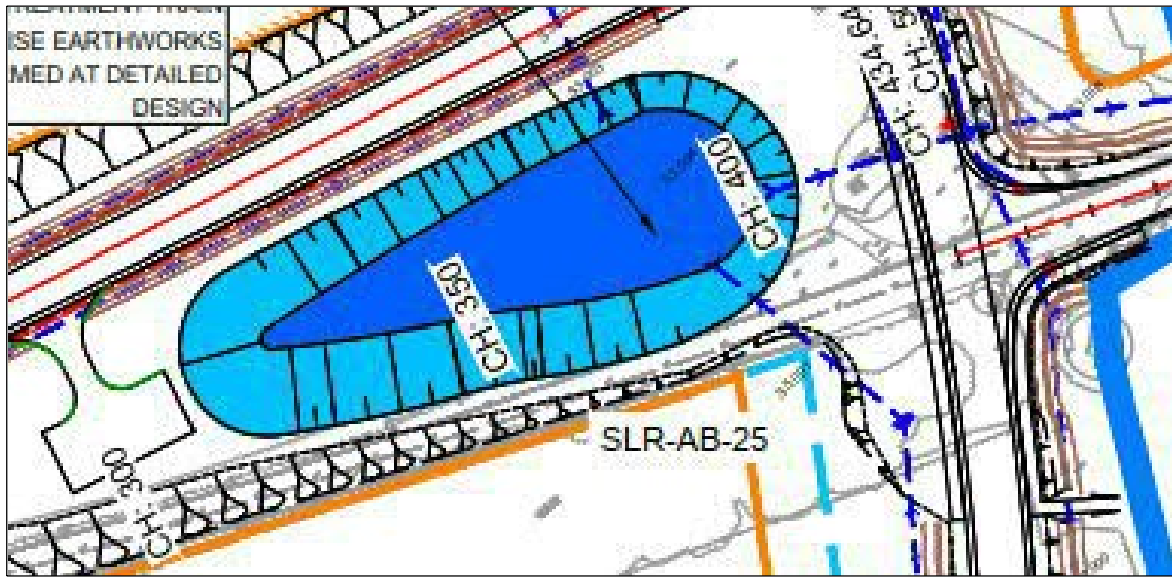
Attenuation Basin SLR-AB-22			
Basin Invert Level	7.925	m	Metres Above Ordnance Datum
Basin Top Level	9.630		
Water Volume at 1 in 100 year Event	521	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.684	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.021		
Predicted Annual Water Level-			
1 in 2 year	8.140	m	Metres Above Ordnance Datum
1 in 5 year	8.196		
1 in 100 year	8.609		

Attenuation Basin SLR-AB-24			
Basin Invert Level	7.349	m	Metres Above Ordnance Datum
Basin Top Level	9.910		
Water Volume at 1 in 100 year Event	526	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.752	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.809		

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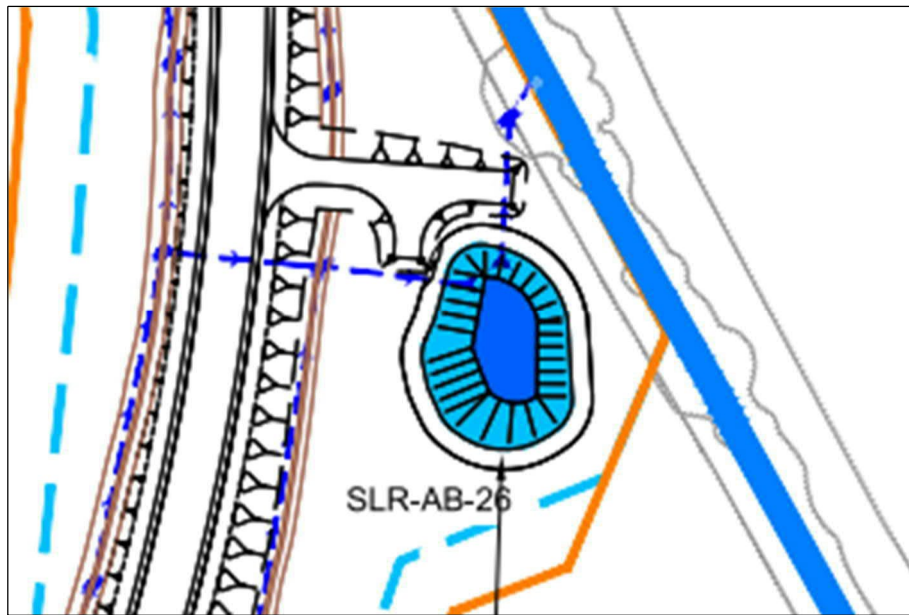
Predicted Annual Water Level-			
1 in 2 year	8.100	m	Metres Above Ordnance Datum
1 in 5 year	8.215		
1 in 100 year	8.297		



Attenuation Basin SLR-AB-25			
Basin Invert Level	5.790	m	Metres Above Ordnance Datum
Basin Top Level	8.340		
Water Volume at 1 in 100 year Event	1210	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.600	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.950		
Predicted Annual Water Level-			
1 in 2 year	5.920	m	Metres Above Ordnance Datum
1 in 5 year	5.960		
1 in 100 year	6.312		

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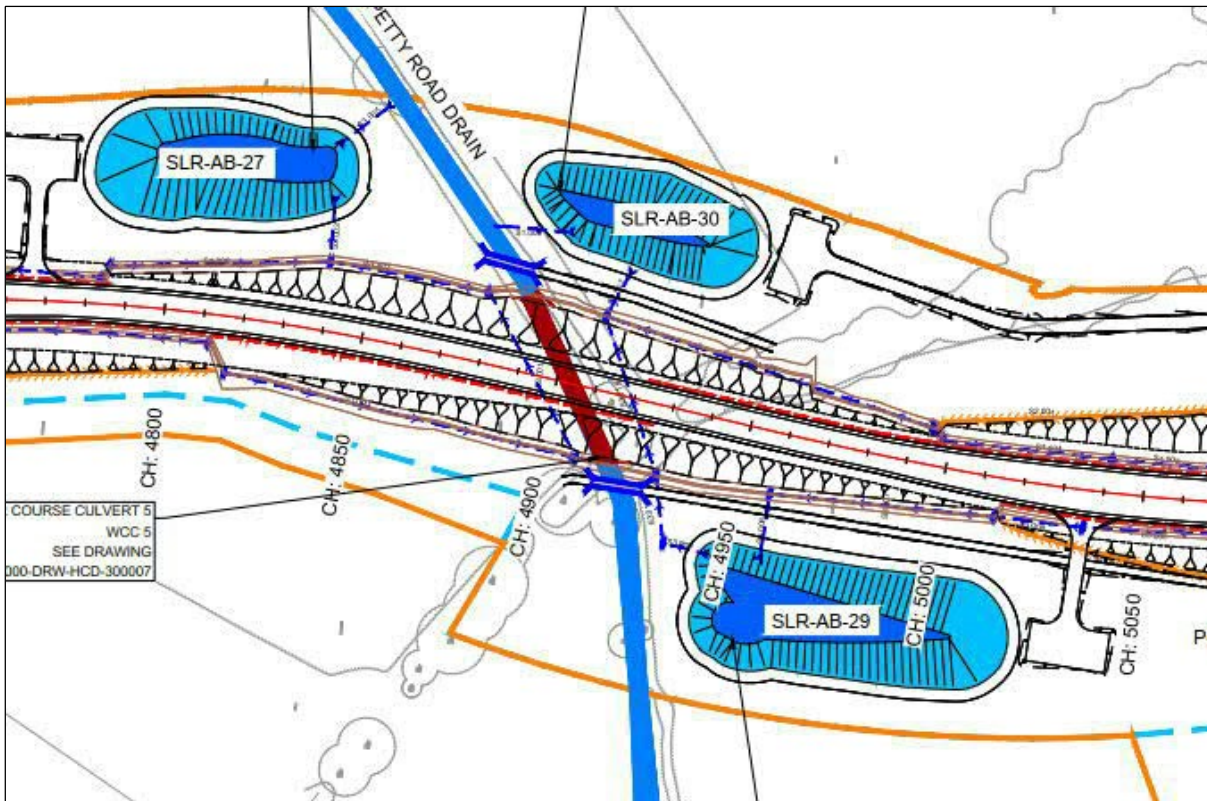
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Attenuation Basin SLR-AB-26			
Basin Invert Level	7.571	m	Metres Above Ordnance Datum
Basin Top Level	8.400		
Water Volume at 1 in 100 year Event	500	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.789	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.040		
Predicted Annual Water Level-			
1 in 2 year	7.870	m	Metres Above Ordnance Datum
1 in 5 year	8.010		
1 in 100 year	8.353		

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Attenuation Basin SLR-AB-27			
Basin Invert Level	9.920	m	Metres Above Ordnance Datum
Basin Top Level	10.920		
Water Volume at 1 in 100 year Event	374	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.521	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.479		
Predicted Annual Water Level-			
1 in 2 year	9.962	m	Metres Above Ordnance Datum
1 in 5 year	9.992		
1 in 100 year	10.441		

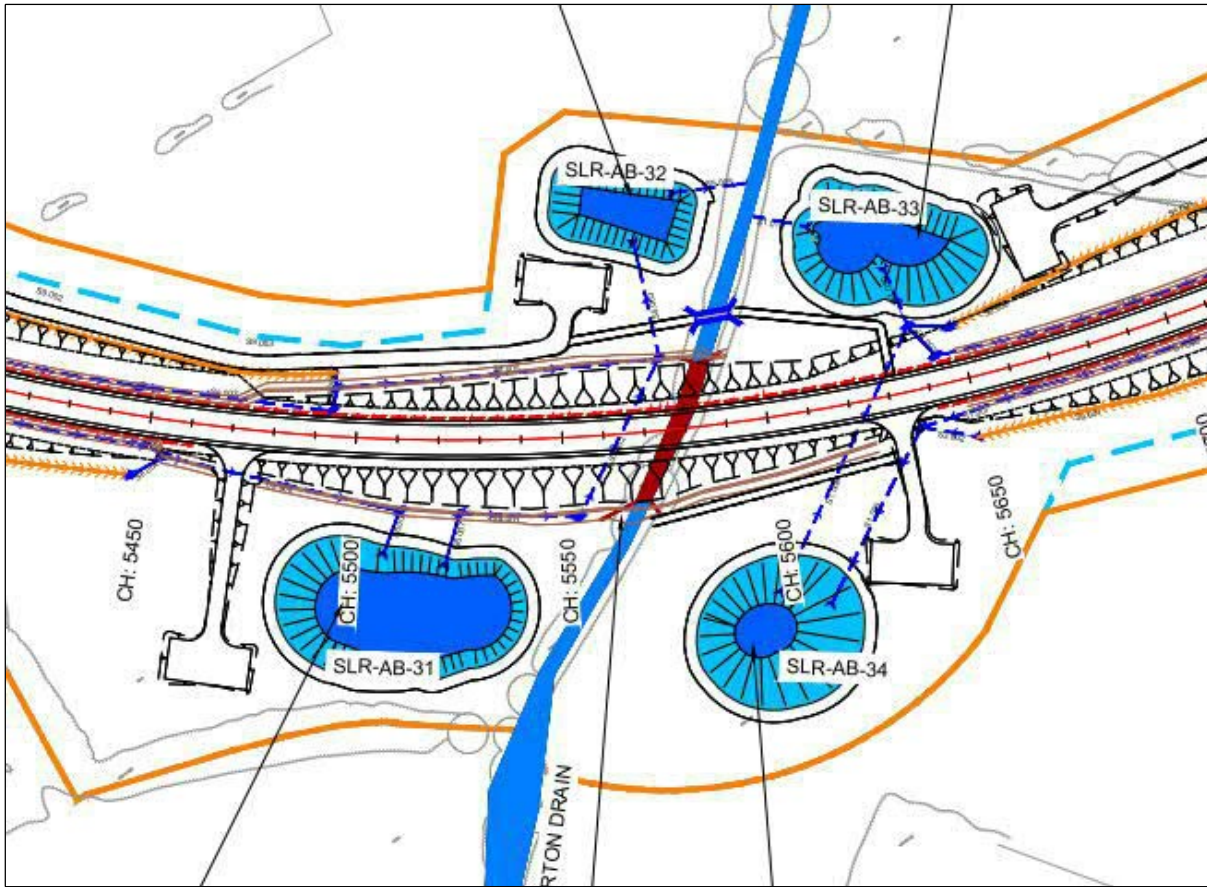
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Attenuation Basin SLR-AB-29			
Basin Invert Level	10.730	m	Metres Above Ordnance Datum
Basin Top Level	12.530		
Water Volume at 1 in 100 year Event	490	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.618	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.182		
Predicted Annual Water Level-			
1 in 2 year	10.872	m	Metres Above Ordnance Datum
1 in 5 year	10.907		
1 in 100 year	11.338		

Attenuation Basin SLR-AB-30			
Basin Invert Level	10.080	m	Metres Above Ordnance Datum
Basin Top Level	12.500		
Water Volume at 1 in 100 year Event	708	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.285	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.205		
Predicted Annual Water Level-			
1 in 2 year	10.553	m	Metres Above Ordnance Datum
1 in 5 year	10.618		
1 in 100 year	11.285		

**NOT PROTECTIVELY MARKED**

NOT PROTECTIVELY MARKED



Attenuation Basin SLR-AB-31			
Basin Invert Level	13.467	m	Metres Above Ordnance Datum
Basin Top Level	15.500		
Water Volume at 1 in 100 year Event	354	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.387	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	1.646		
Predicted Annual Water Level-			
1 in 2 year	13.523	m	Metres Above Ordnance Datum
1 in 5 year	13.549		
1 in 100 year	13.854		

NOT PROTECTIVELY MARKED

**NOT PROTECTIVELY MARKED**

Attenuation Basin SLR-AB-32			
Basin Invert Level	10.013	m	Metres Above Ordnance Datum
Basin Top Level	12.100		
Water Volume at 1 in 100 year Event	1688	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.757	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.330		
Predicted Annual Water Level-			
1 in 2 year	10.614	m	Metres Above Ordnance Datum
1 in 5 year	10.715		
1 in 100 year	11.777		

Attenuation Basin SLR-AB-33			
Basin Invert Level	10.491	m	Metres Above Ordnance Datum
Basin Top Level	12.476		
Water Volume at 1 in 100 year Event	614	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.365	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.620		
Predicted Annual Water Level-			
1 in 2 year	11.327	m	Metres Above Ordnance Datum
1 in 5 year	11.426		
1 in 100 year	11.885		

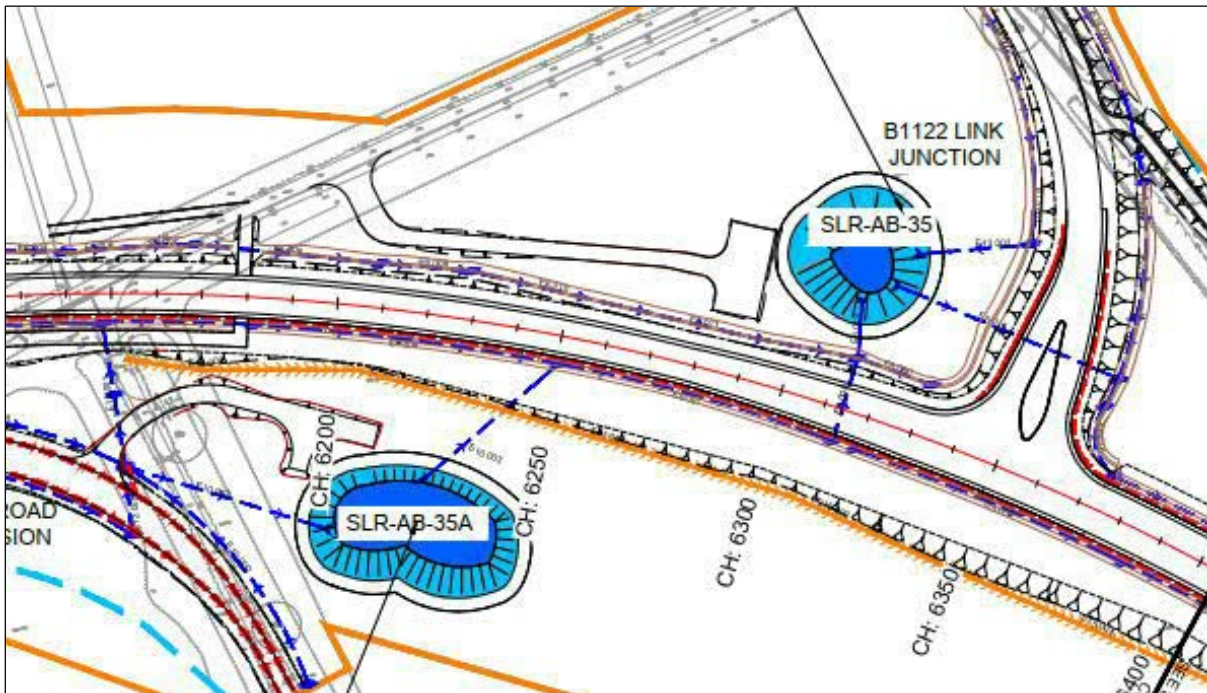
Attenuation Basin SLR-AB-34			
Basin Invert Level	11.071	m	Metres Above Ordnance Datum
Basin Top Level	13.991		
Water Volume at 1 in 100 year Event	297	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.848	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	2.072		

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Predicted Annual Water Level-			
1 in 2 year	11.329	m	Metres Above Ordnance Datum
1 in 5 year	11.464		
1 in 100 year	11.919		

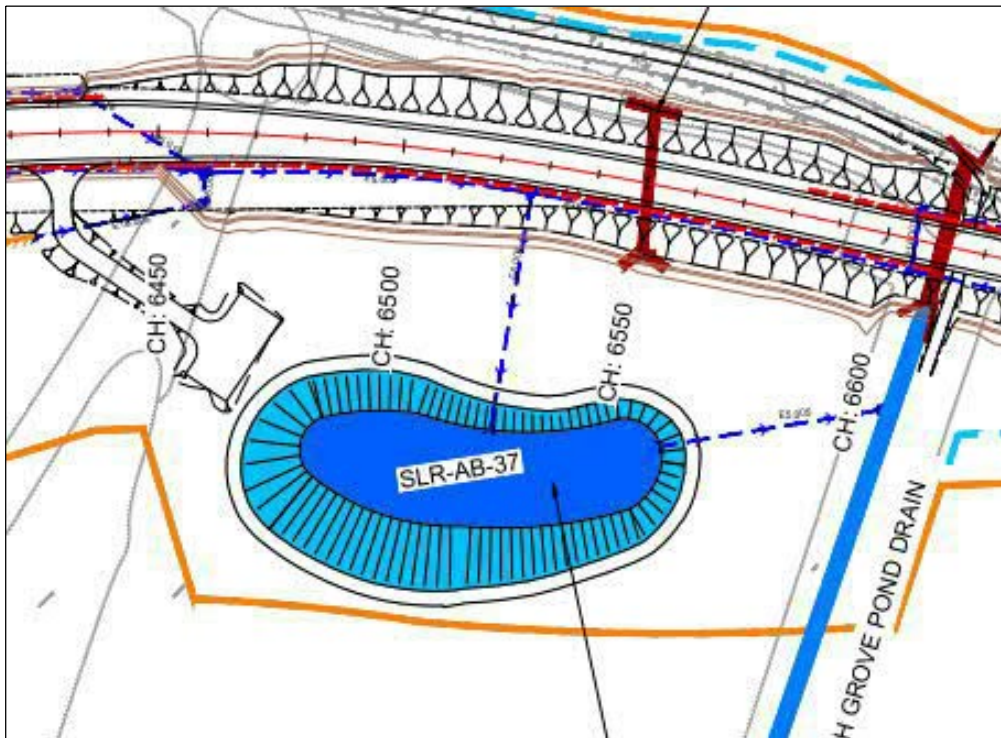


Attenuation Basin SLR-AB-35			
Basin Invert Level	7.512	m	Metres Above Ordnance Datum
Basin Top Level	9.500		
Water Volume at 1 in 100 year even	316	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	1.018	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.970		
Predicted Annual Water Level-			
1 in 2 year	7.767	m	Metres Above Ordnance Datum
1 in 5 year	8.010		
1 in 100 year	8.530		

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**NOT PROTECTIVELY MARKED**

Attenuation Basin SLR-AB-35a			
Basin Invert Level	9.900	m	Metres Above Ordnance Datum
Basin Top Level	10.827		
Water Volume at 1 in 100 year Event	215	m <sup>3</sup>	
Storage Depth at a 1 in 100 year Event	0.401	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.526		
Predicted Annual Water Level-			
1 in 2 year	10.016	m	Metres Above Ordnance Datum
1 in 5 year	10.081		
1 in 100 year	10.300		



Attenuation Basin SLR-AB-37			
Basin Invert Level	6.790	m	Metres Above Ordnance Datum
Basin Top Level	8.000		
Water Volume at 1 in 100 year Event	2305	m <sup>3</sup>	

**NOT PROTECTIVELY MARKED**

**NOT PROTECTIVELY MARKED**

Storage Depth at a 1 in 100 year Event	0.928	m	Above pond Invert
Freeboard 1 in 100 year Event (m)	0.282		
Predicted Annual Water Level-			
1 in 2 year	7.208	m	Metres Above Ordnance Datum
1 in 5 year	7.340		
1 in 100 year	7.718		

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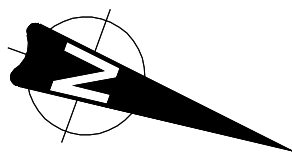
## APPENDIX E: DRAINAGE NETWORK LAYOUT

Note that the plans are to be used to identify the location of drainage assets shown in the hydraulic models shown in Appendix C. Basin hydraulic performance data shown in the plans is superseded by the data contained in Appendix D



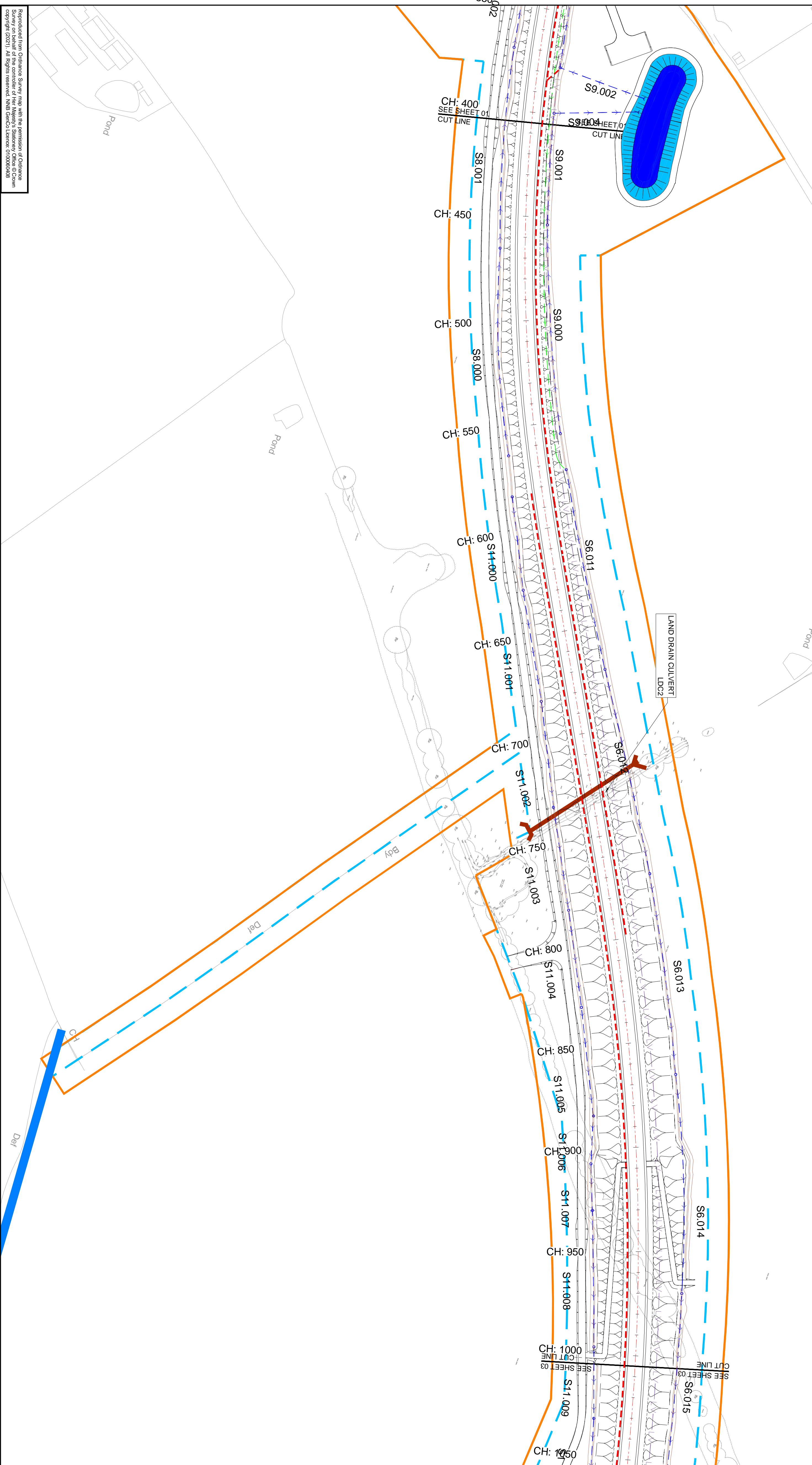






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  - ALL MANHOLES SHALL BE TYPE 7 CATCHPITS UNLESS OTHERWISE STATED.
  - POLLUTION CONTROL MEASURES TO BE ADDED AT THE DETAILED DESIGN STAGE FOLLOWING RECOMMENDATIONS OF HEWAT ASSESSMENT SEE SZC-AD0310-WSP-SLRHDG-Z20000-REP-HCD-300003
  - DRAINAGE PIPE AND MANHOLE REFERENCE RELATE TO THOSE CONTAINED IN HYDRAULIC MODEL.
  - PIERS TO HAVE CHAMBERS LOCATED AT MAXIMUM 100m SPACINGS
  - FIN/WFD'S TO BE INCORPORATED AS PER HE/SHW REQUIREMENTS
  - CUT OFF DRAINS AT TOP OF CUTTINGS TO BE FINALISED AT DETAIL DESIGN STAGE

- KEY:**
- CARRIER / FILTER PIPE
  - RISING MAIN PIPE
  - TOP OF CUTTING SLOPE SWALE
  - SWALE
  - PROPOSED C&D UNIT
  - PROPOSED BRIDGE DECK UNIT
  - PROPOSED NARROW FILTER DRAIN
  - PROPOSED CATCHPIT
  - PROPOSED HEADWALL
  - PROPOSED GULLY WITH CONNECTION
  - PROPOSED ATTENUATION BASIN
  - PROPOSED BOTTOM OF BASIN
  - PROPOSED BASIN SLOPES
  - PROPOSED PERMANENT TRACK
  - PROPOSED PERMANENT BOUNDARY
  - DEVELOPMENT CONSENT
  - ORDER BOUNDARY
  - EXISTING WATERCOURSE
  - PROPOSED CULVERT
  - WCC-WATERCOURSE CULVERT
  - LDC-LAND DRAIN CULVERT
  - FRC-FLOOD RELIEF CULVERT



Rev.	Date	Description	App'd	Audit
P01	18/05/21	Final Revision	AW	---
P02.2	18/05/21	AMENDMENTS FOLLOWING REVIEW	---	---

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 msp@mspd.com

**SZC**  
 edf ENERGY

Project Title  
 AD3 MAJOR ROAD SCHEMES  
 AD0310 SIZEWELL LINK ROAD

Drawing Title  
 PRELIMINARY DESIGN  
 HIGHWAYS DRAINAGE LAYOUT

SHEET 02 OF 15

Scale @ A1	Date	Drawn	Checked	Approved	Authorised
N/A	18/05/21	D.James	---	---	---

Quantity	Status	Work in Progress	Stage
SO	---	Work in Progress	3

Drawing Number  
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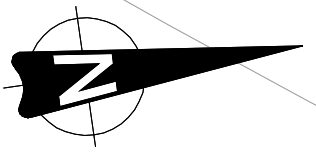
Pond

LAND DRAINAGE CULVERT  
LDC3

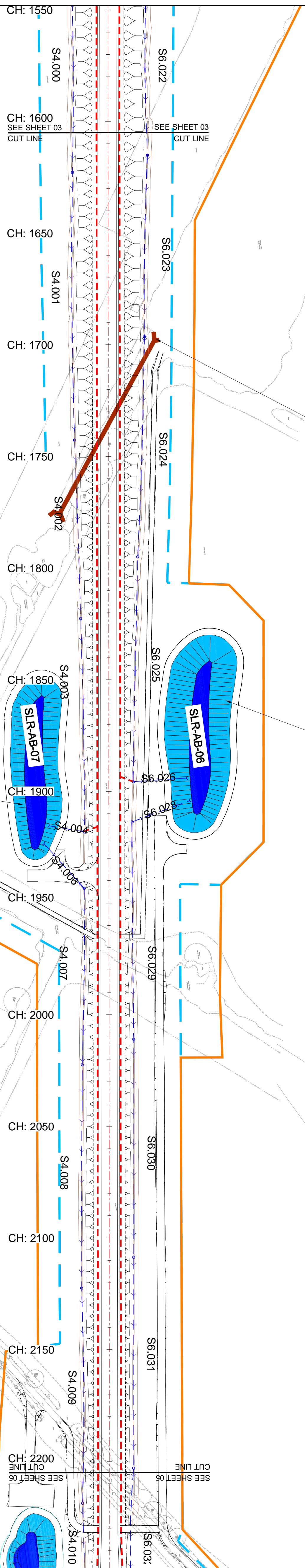
**ATTENUATION BASIN SLR-AB-06 PRELIMINARY DESIGN**  
 BASIN INVERT LEVEL - 30.936 m  
 TOP OF BASIN LEVEL - 32.711 m  
 STORAGE VOLUME - 489 m<sup>3</sup>  
 STORAGE DEPTH - 1.451 m  
 FREEBOARD - 0.324 m  
 DISCHARGE RATE 5 L/S

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 32.387 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE. POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

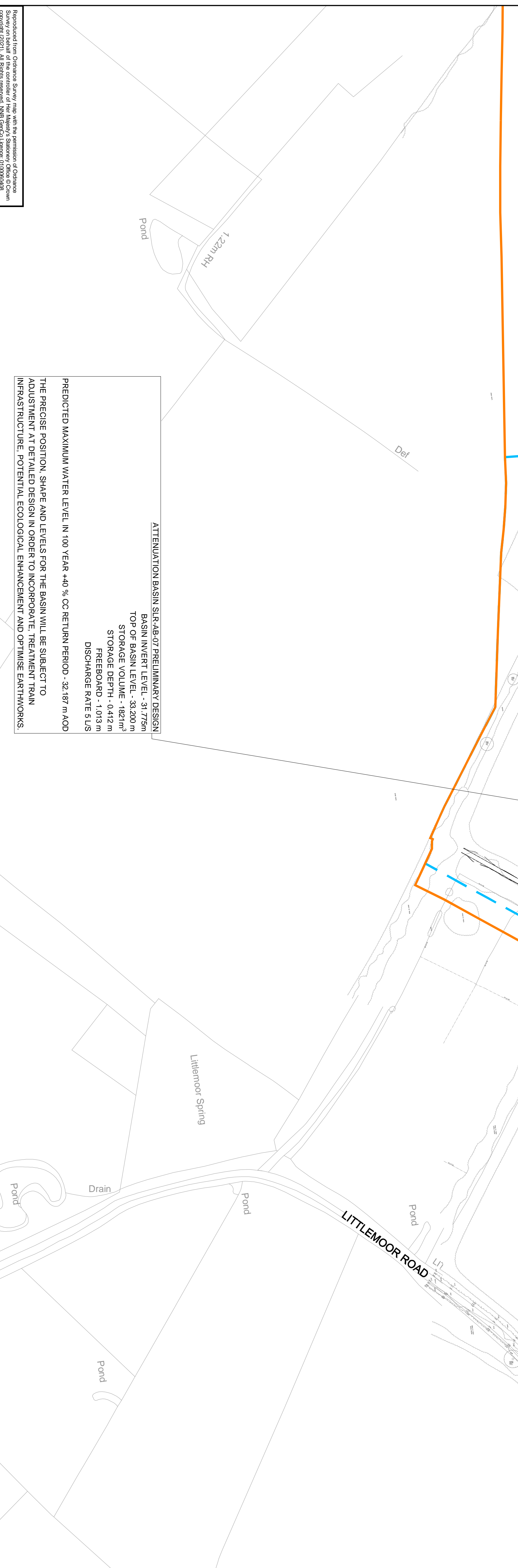


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**KEY:**

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- RISING MAIN PIPE
- TOP OF CUTTING SLOPE SWALE
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- PROPOSED C&D UNIT
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**Project Title**  
 AD3 MAJOR ROAD SCHEMES  
 AD0310 SIZEWELL LINK ROAD

**Project File**  
 PRELIMINARY DESIGN  
 HIGHWAYS DRAINAGE LAYOUT  
 SHEET 04 OF 15

**Scale @ A1**  
 18/05/21  
 D.James  
 Work in Progress

**Scale @ A0**  
 18/05/21  
 D.James  
 Work in Progress

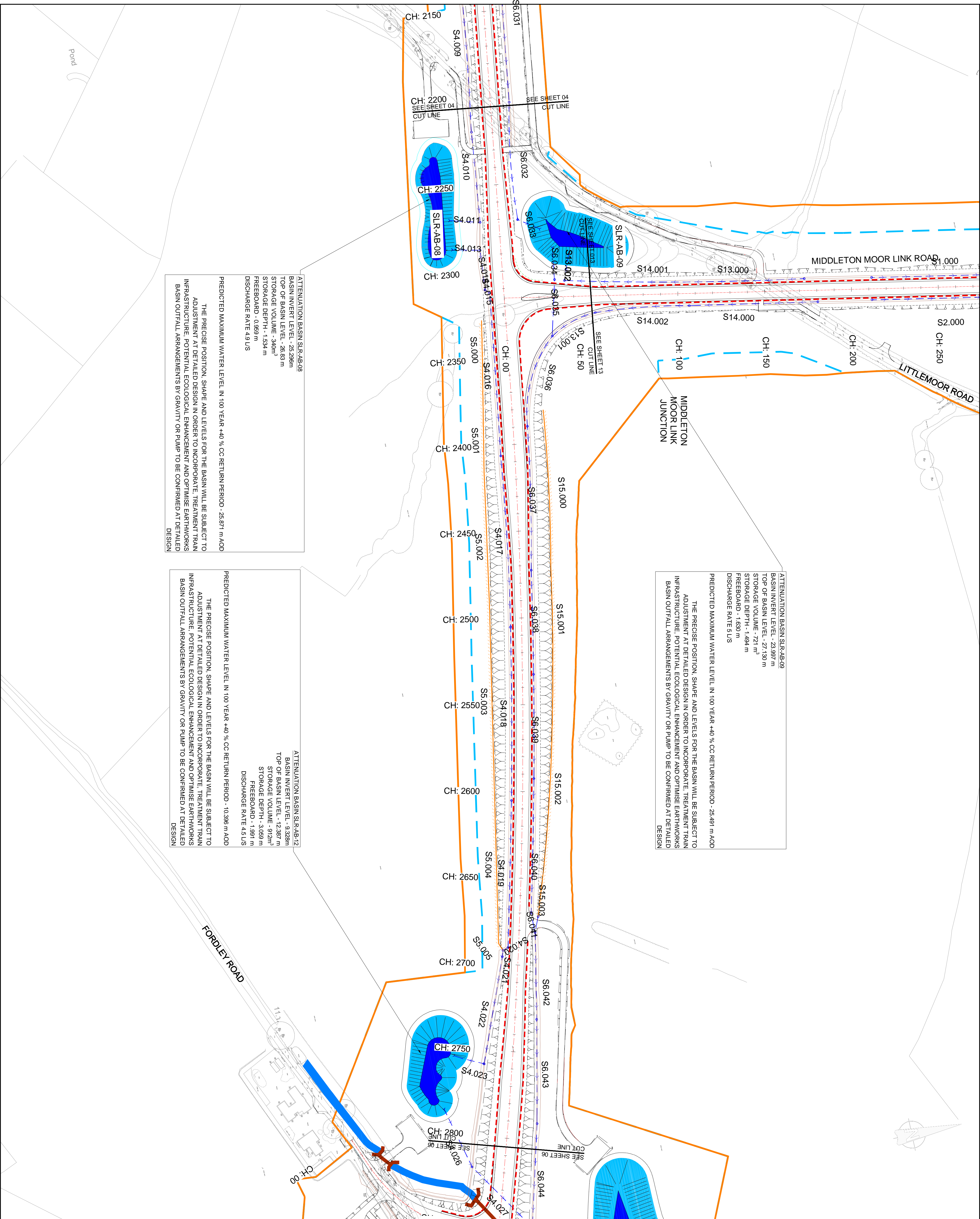
**Revision**

Rev.	Date	Description	App'd	Audit
P01	18/05/21	Final Revision	AW	---
P02.2	18/05/21	AMENDMENTS FOLLOWING REVIEW	---	---

**Drawing Number**  
 SZC-AD0310-WSP-SLRHDG-Z20000-DRW-HCD-305004  
 P02.2

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**ATTENUATION BASIN SLR-AB-08**  
 BASIN INVERT LEVEL - 25.296m  
 TOP OF BASIN LEVEL - 26.83 m  
 STORAGE VOLUME - 340m<sup>3</sup>  
 STORAGE DEPTH - 1.534 m  
 FREEBOARD - 0.959 m  
 DISCHARGE RATE 4.9 L/S  
 PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 25.871 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS BASIN OUTFALL ARRANGEMENTS BY GRAVITY OR PUMP TO BE CONFIRMED AT DETAILED DESIGN

**ATTENUATION BASIN SLR-AB-09**  
 BASIN INVERT LEVEL - 23.997m  
 TOP OF BASIN LEVEL - 27.130 m  
 STORAGE VOLUME - 721 m<sup>3</sup>  
 STORAGE DEPTH - 1.494 m  
 FREEBOARD - 1.639 m  
 DISCHARGE RATE 5 L/S  
 PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 25.491 m AOD

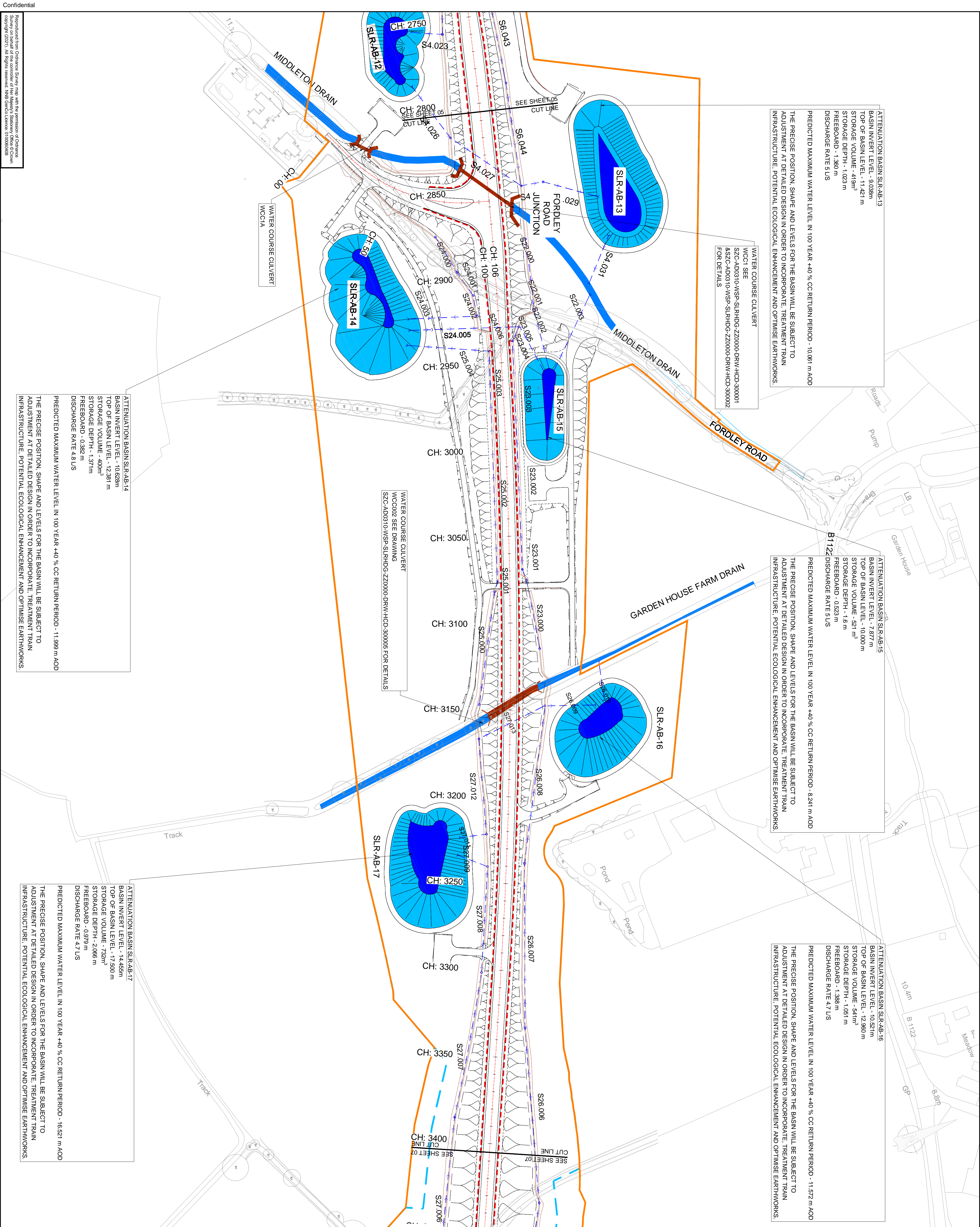
THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS BASIN OUTFALL ARRANGEMENTS BY GRAVITY OR PUMP TO BE CONFIRMED AT DETAILED DESIGN

**ATTENUATION BASIN SLR-AB-12**  
 BASIN INVERT LEVEL - 9.328m  
 TOP OF BASIN LEVEL - 12.387 m  
 STORAGE VOLUME - 972m<sup>3</sup>  
 STORAGE DEPTH - 3.059 m  
 FREEBOARD - 1.991 m  
 DISCHARGE RATE 4.5 L/S  
 PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 10.396 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS BASIN OUTFALL ARRANGEMENTS BY GRAVITY OR PUMP TO BE CONFIRMED AT DETAILED DESIGN

<p>Client</p> <p>Mountbatten House, Basing View, Basingstoke, RG21 4HU, UK                  T+ 44 (0) 1256 318 800, F+ 44 (0) 1256 318 700                  wsp.com</p>		<p>Project Title</p> <p>AD3 MAJOR ROAD SCHEMES                  AD0310 SIZEWELL LINK ROAD</p>	
<p>Drawing Title</p> <p>PRELIMINARY DESIGN                  HIGHWAYS DRAINAGE LAYOUT</p> <p>SHEET 06 OF 15</p>		<p>Scale @ A1</p> <p>18/05/21                  N/A</p>	
<p>Drawn</p> <p>D.James</p>		<p>Checked</p> <p>...</p>	
<p>Approved</p> <p>...</p>		<p>Authorised</p> <p>...</p>	
<p>Stage</p> <p>3</p>		<p>Revision</p> <p>...</p>	
<p>Drawing Number</p> <p>SZC-AD0310-WSP-SLRHDG-Z20000-DRW-HCD-305005</p>		<p>Revision</p> <p>P02.2</p>	
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**ATTENUATION BASIN SLR-AB-13**  
 BASIN INVERT LEVEL - 9.038m  
 TOP OF BASIN LEVEL - 11.421 m  
 STORAGE VOLUME - 419m<sup>3</sup>  
 STORAGE DEPTH - 1.023 m  
 FREEBOARD - 1.380 m  
 DISCHARGE RATE 5 US

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 10.061 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

**ATTENUATION BASIN SLR-AB-15**  
 BASIN INVERT LEVEL - 7.877 m  
 TOP OF BASIN LEVEL - 10.000 m  
 STORAGE VOLUME - 521 m<sup>3</sup>  
 STORAGE DEPTH - 1.6 m  
 FREEBOARD - 0.523 m  
 DISCHARGE RATE 5 US

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 8.241 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

**ATTENUATION BASIN SLR-AB-16**  
 BASIN INVERT LEVEL - 10.521 m  
 TOP OF BASIN LEVEL - 12.950 m  
 STORAGE VOLUME - 541m<sup>3</sup>  
 STORAGE DEPTH - 1.051 m  
 FREEBOARD - 1.388 m  
 DISCHARGE RATE 4.7 US

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 11.572 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

**ATTENUATION BASIN SLR-AB-14**  
 BASIN INVERT LEVEL - 10.628m  
 TOP OF BASIN LEVEL - 12.381 m  
 STORAGE VOLUME - 400m<sup>3</sup>  
 STORAGE DEPTH - 1.371m  
 FREEBOARD - 0.382 m  
 DISCHARGE RATE 4.8 US

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 11.989 m AOD

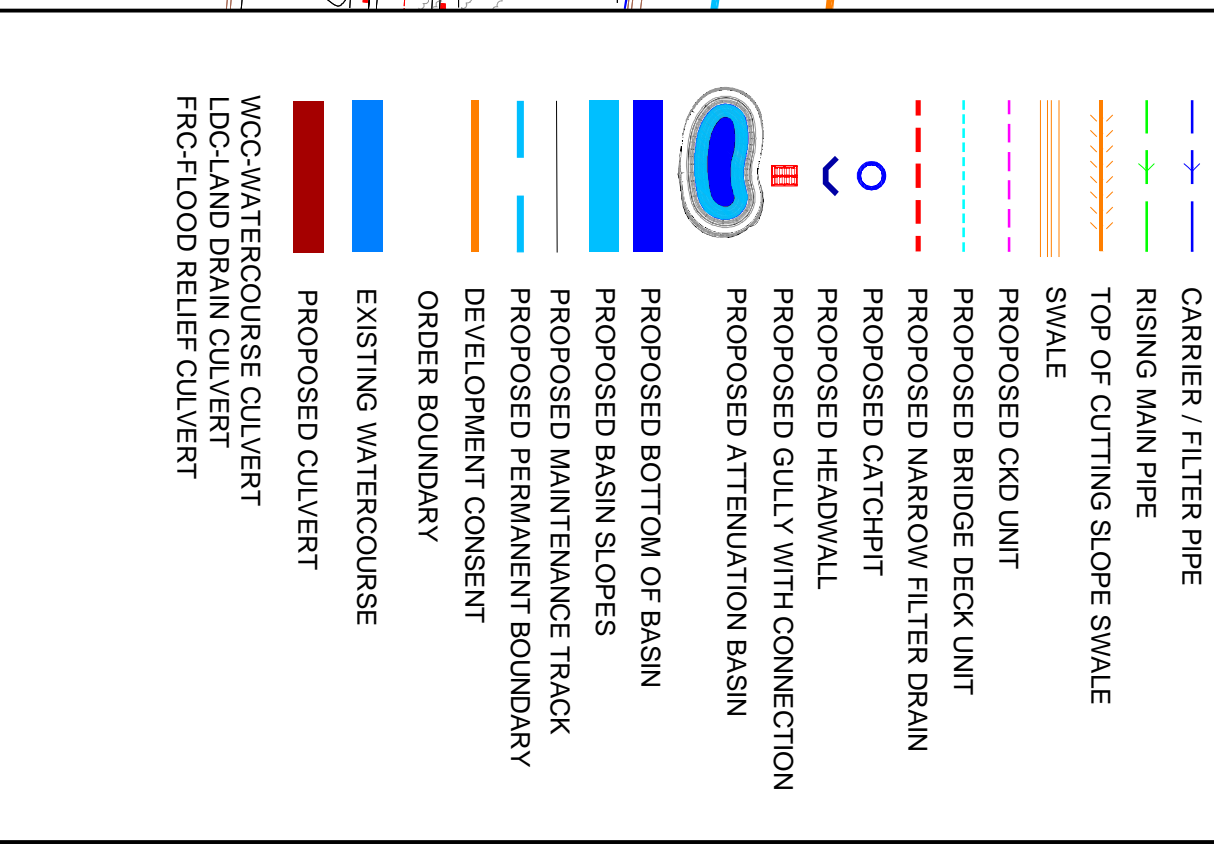
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**ATTENUATION BASIN SLR-AB-17**  
 BASIN INVERT LEVEL - 14.455m  
 TOP OF BASIN LEVEL - 17.500 m  
 STORAGE VOLUME - 732m<sup>3</sup>  
 STORAGE DEPTH - 2.066 m  
 FREEBOARD - 0.979 m  
 DISCHARGE RATE 4.7 US

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 16.521 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

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  - SZC-AD0310-WSP-SLRHDG-Z20000-REP-HCD-300003
  - DRAINAGE PIPE AND MANHOLE REFERENCE RELATE TO THOSE CONTAINED IN HYDRAULIC MODEL.
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 wspj.com

**Project Title**  
 AD3 MAJOR ROAD SCHEMES  
 AD0310 SIZEWELL LINK ROAD

**Drawing Title**  
 PRELIMINARY DESIGN  
 HIGHWAYS DRAINAGE LAYOUT  
 SHEET 06 OF 15

Scale @ A1	Date	Drawn	Checked	Approved	Authorised
N/A	18/05/21	D.James	...	...	...

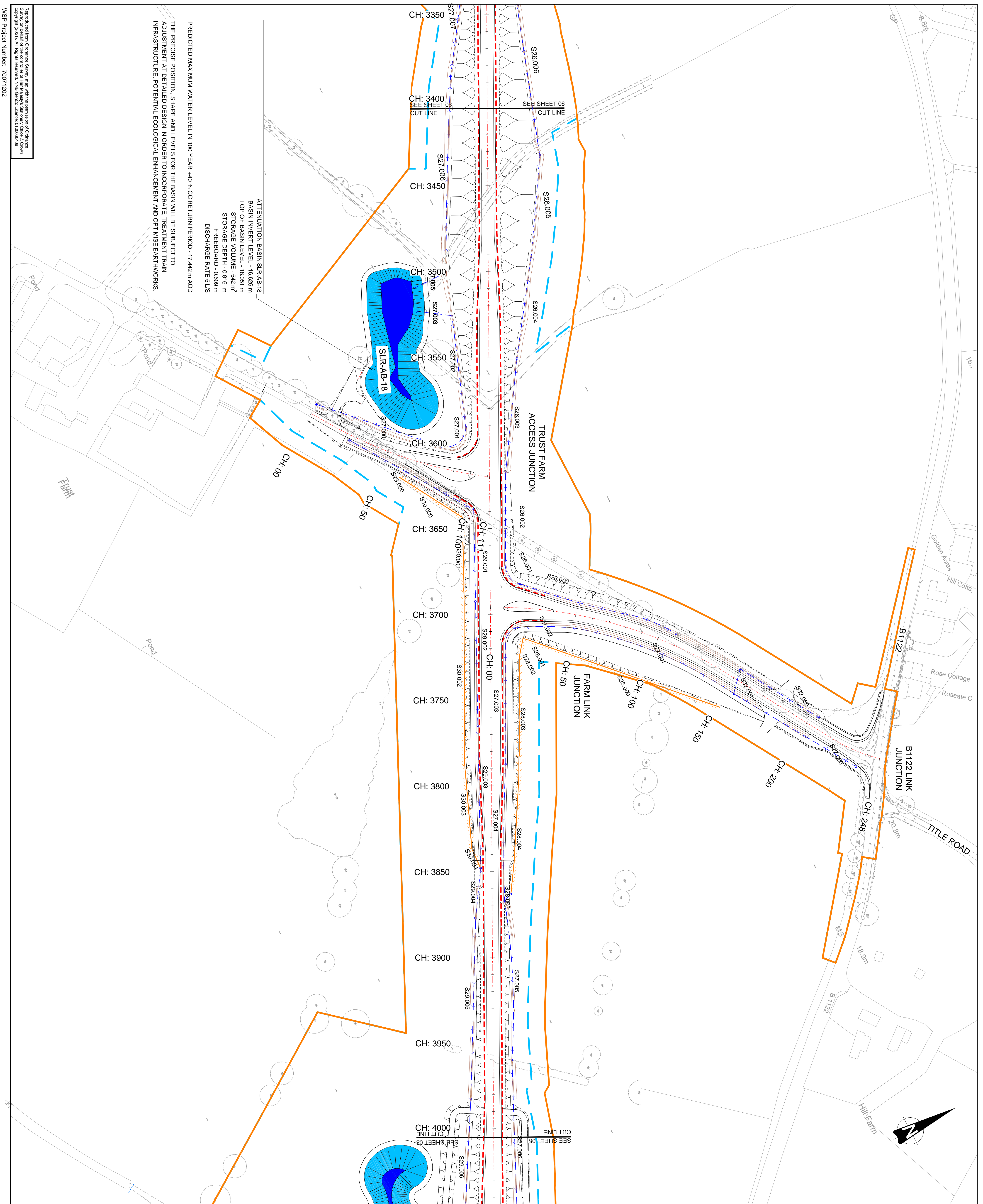
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**Drawing Number**  
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**Revision**  
 P02.2

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PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 17.442 m AOD  
 THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE. POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

ATTENUATION BASIN SLR-AB-18  
 BASIN INVERT LEVEL - 18.626 m  
 TOP OF BASIN LEVEL - 18.051 m  
 STORAGE VOLUME - 542 m<sup>3</sup>  
 STORAGE DEPTH - 0.816 m  
 FREEBOARD - 0.809 m  
 DISCHARGE RATE 5 L/S

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KEY:

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- RISING MAIN PIPE
- TOP OF CUTTING SLOPE SWALE
- SWALE
- PROPOSED C/D UNIT
- PROPOSED BRIDGE DECK UNIT
- PROPOSED NARROW FILTER DRAIN
- PROPOSED CATCHPIT
- PROPOSED HEADWALL
- PROPOSED GULLY WITH CONNECTION
- PROPOSED ATTENUATION BASIN
- PROPOSED BOTTOM OF BASIN
- PROPOSED BASIN SLOPES
- PROPOSED MAINTENANCE TRACK
- PROPOSED PERMANENT BOUNDARY DEVELOPMENT CONSENT
- ORDER BOUNDARY
- EXISTING WATERCOURSE
- PROPOSED CULVERT
- WCC-WATERCOURSE CULVERT
- LDC-LAND DRAIN CULVERT
- FRCH-FLOOD RELIEF CULVERT

Rev	Date	Description	App'd	Audit
P02.1	18/05/21	AMENDMENTS FOLLOWING REVIEW	AW	---
P02.2	18/05/21	AMENDMENTS FOLLOWING REVIEW	---	---

Client	Mountbatten House, Basing View, Basingstoke, RG21 4HU, UK T+ 44 (0) 1256 318 800, F+ 44 (0) 1256 318 700 wsp@wsp.com				
Project Title	AD03 MAJOR ROAD SCHEMES AD0310 SIZEWELL LINK ROAD				
Drawing Title	PRELIMINARY DESIGN HIGHWAYS DRAINAGE LAYOUT				
Scale @ A1	18/05/21	Drawn	Check	Approved	Authorised
Schedule	N/A	D.James	---	---	---
Status	SO	Work in Progress	Stage	3	---
Drawing Number	SZC-AD0310-WSP-SLRHDG-Z20000-DRW-HCD-305007	Revision	P02.2	---	---



**ATTENUATION BASIN SLR-AB-22 PRELIMINARY DESIGN**

BASIN INVERT LEVEL - 7.926 m  
 TOP OF BASIN LEVEL - 9.630 m  
 STORAGE VOLUME - 521 m<sup>3</sup>  
 STORAGE DEPTH - 1.098 m  
 FREEBOARD - 0.007 m  
 DISCHARGE RATE 4.1 L/S  
 DISCHARGE RATE 4.9 L/S

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 9.023 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

**ATTENUATION BASIN SLR-AB-24 PRELIMINARY DESIGN**

BASIN INVERT LEVEL - 7.349m  
 TOP OF BASIN LEVEL - 9.910 m  
 STORAGE VOLUME - 516m<sup>3</sup>  
 STORAGE DEPTH - 0.556 m  
 FREEBOARD - 1.995 m  
 DISCHARGE RATE 5 L/S

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 7.915 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

**ATTENUATION BASIN SLR-AB-20 PRELIMINARY DESIGN**

BASIN INVERT LEVEL - 7.723 m  
 TOP OF BASIN LEVEL - 9.400 m  
 STORAGE VOLUME - 520 m<sup>3</sup>  
 STORAGE DEPTH - 1.177 m  
 FREEBOARD - 0.500 m  
 DISCHARGE RATE 4.9 L/S

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 8.900 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

**ATTENUATION SLR-AB-19 PRELIMINARY DESIGN**

BASIN INVERT LEVEL - 9.025 m  
 TOP OF BASIN LEVEL - 11.400 m  
 STORAGE VOLUME - 530 m<sup>3</sup>  
 STORAGE DEPTH - 1.209 m  
 FREEBOARD - 1.168 m  
 DISCHARGE RATE 5 L/S

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 10.234 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

**ATTENUATION BASIN SLR-AB-21 PRELIMINARY DESIGN**

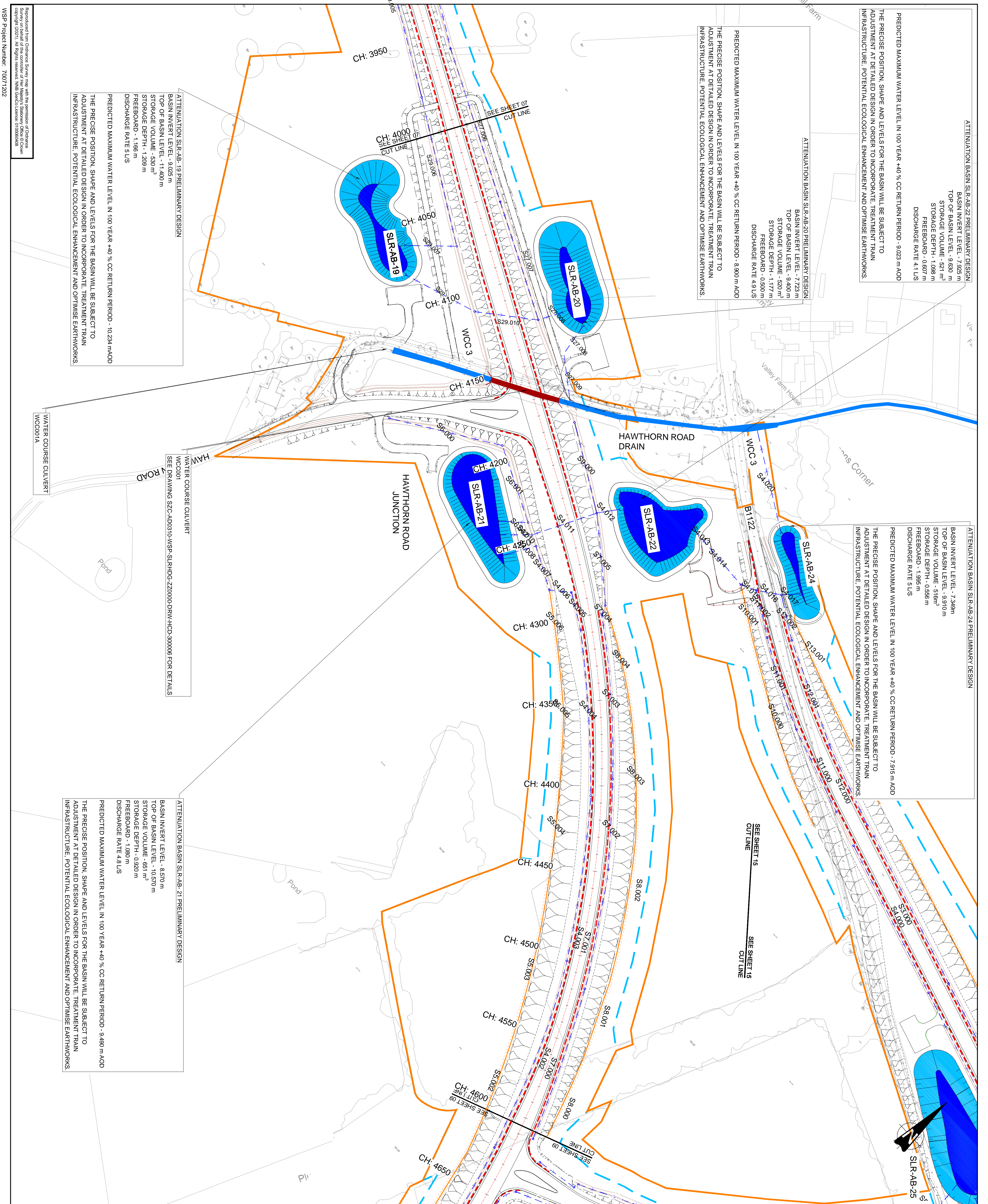
BASIN INVERT LEVEL - 8.570 m  
 TOP OF BASIN LEVEL - 10.570 m  
 STORAGE VOLUME - 651 m<sup>3</sup>  
 STORAGE DEPTH - 0.920 m  
 FREEBOARD - 1.080 m  
 DISCHARGE RATE 4.8 L/S

PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 9.480 m AOD

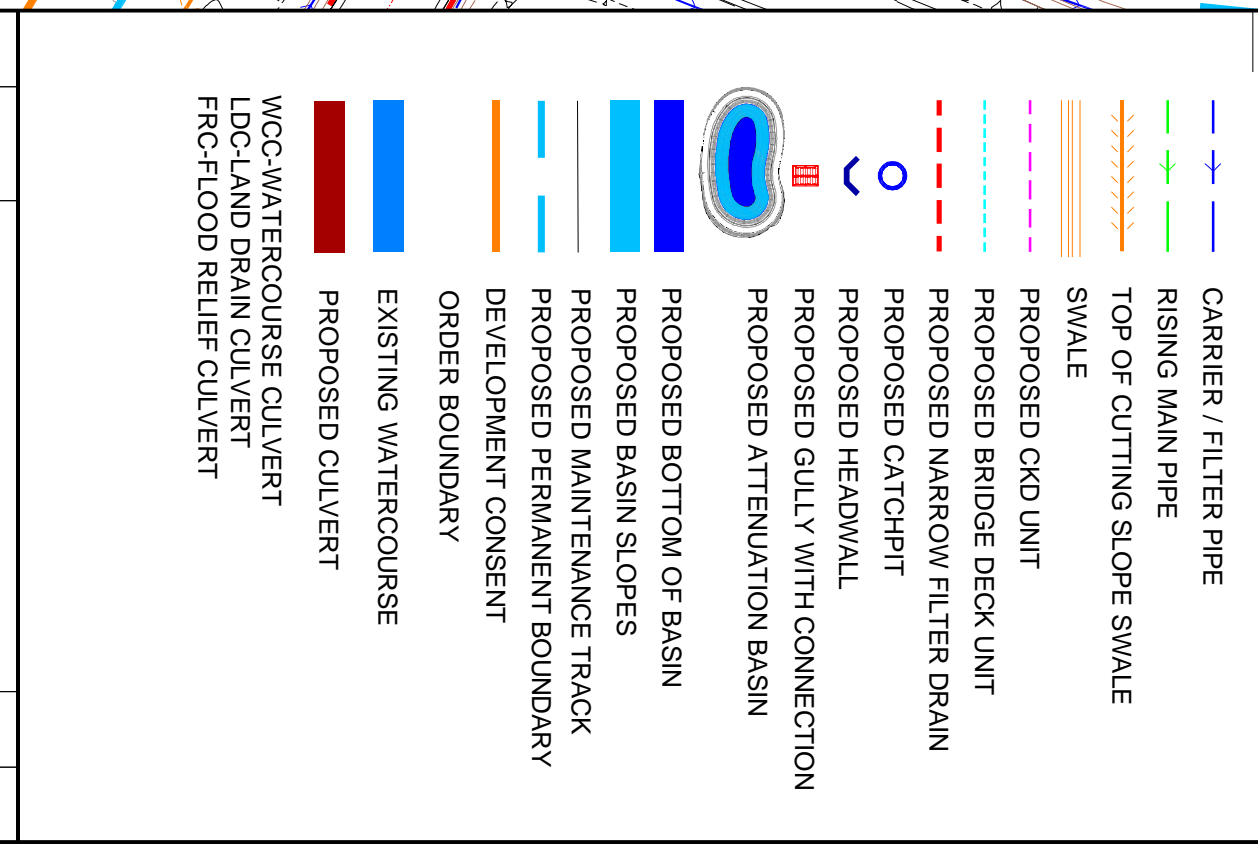
THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

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  - POSITION OF PROPOSED HIGHWAY GULLIES IS APPROXIMATE AND TO BE FIXED AT THE DETAILED DESIGN STAGE.
  - ALL MANHOLES SHALL BE TYPE 7 CATCHPITS UNLESS OTHERWISE STATED.
  - POLLUTION CONTROL MEASURES TO BE ADDED AT THE DETAILED DESIGN STAGE FOLLOWING RECOMMENDATIONS OF HEWAT ASSESSMENT SEE
  - SZC-AD0310-WSP-SLR-HDG-Z20000-REP-HCD-300003
  - DRAINAGE PIPE AND MANHOLE REFERENCE RELATE TO THOSE CONTAINED IN HYDRAULIC MODEL.
  - PIERS TO HAVE CHAMBERS LOCATED AT MAXIMUM 100m SPACINGS
  - FINISHES TO BE INCORPORATED AS PER HE/SHW REQUIREMENTS
  - CUT OFF DRAINS AT TOP OF CUTTINGS TO BE FINALISED AT DETAIL DESIGN STAGE



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Project Title: **AD3 MAJOR ROAD SCHEMES**  
 AD0310 SIZEWELL LINK ROAD

Drawing Title: **PRELIMINARY DESIGN**  
 HIGHWAYS DRAINAGE LAYOUT

Sheet: **SHEET 08 OF 15**

Scale @ A1	Date	Drawn	Checked	Approved	Authorised
N/A	18/05/21	D.James	...	...	...

Rev	Date	Description	App'd	Auth'd
P01	18/05/21	Final Revision	AW	...
P02	18/05/21	AMENDMENTS FOLLOWING REVIEW	...	...

Drawing Number: **SZC-AD0310-WSP-SLR-HDG-Z20000-DRW-HCD-300008** P02.2

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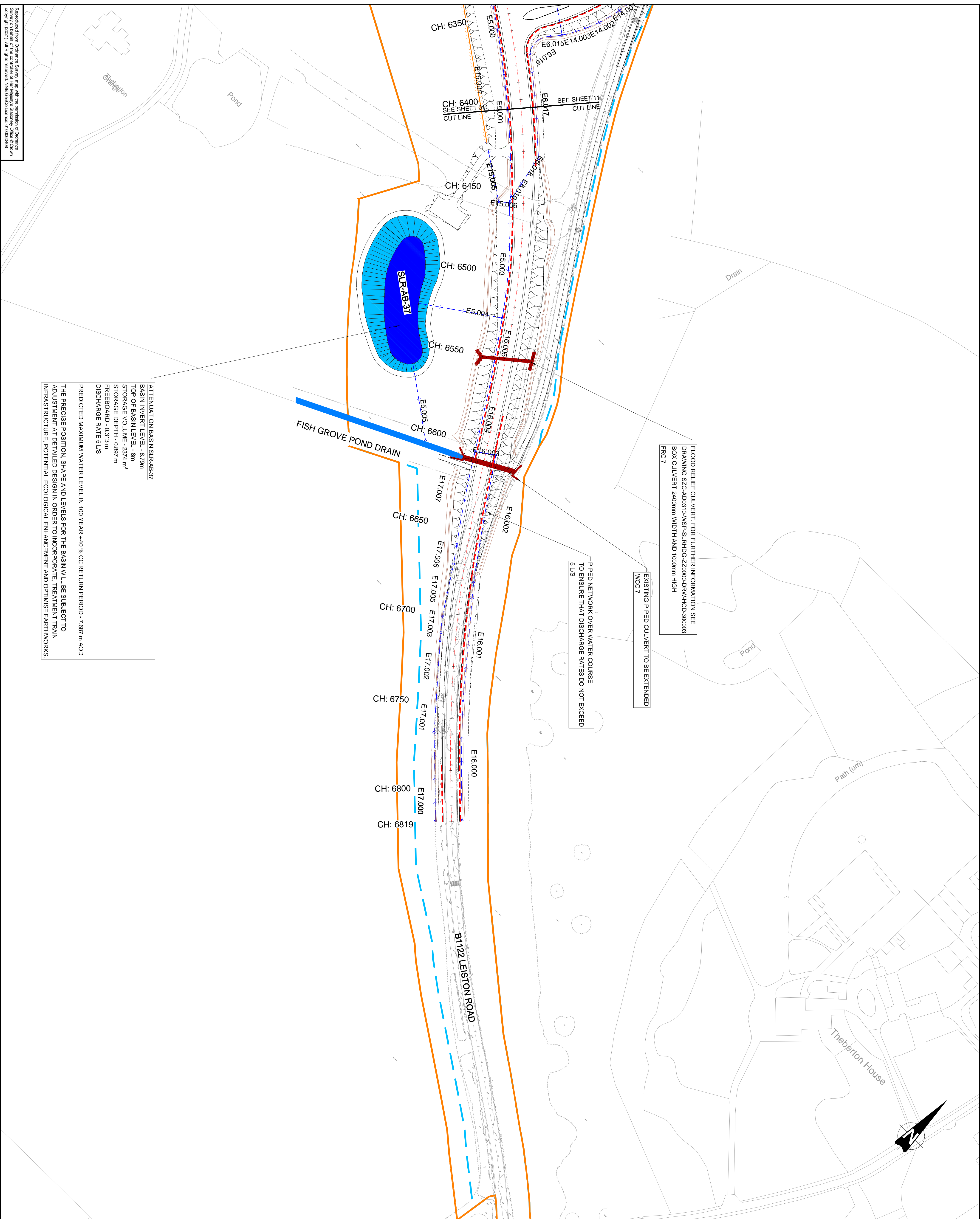












FLOOD RELIEF CULVERT FOR FURTHER INFORMATION SEE DRAWING SZC-AD0310-WSP-SLRHDG-ZZ0000-DRW-HCD-300003 BOX CULVERT 2400mm WIDTH AND 1000mm HIGH  
 FRC 7

EXISTING PIPED CULVERT TO BE EXTENDED  
 MCC 7

PIPED NETWORK OVER WATER COURSE TO ENSURE THAT DISCHARGE RATES DO NOT EXCEED 5 L/S

ATTENUATION BASIN SLR-AB-37  
 BASIN INVERT LEVEL - 6.79m  
 TOP OF BASIN LEVEL - 8m  
 STORAGE VOLUME - 2374 m<sup>3</sup>  
 STORAGE DEPTH - 0.897 m  
 FREEBOARD - 0.313 m  
 DISCHARGE RATE 5 L/S  
 PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 7.687 m AOD  
 THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS.

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- POSITION OF PROPOSED HIGHWAY GULLIES IS APPROXIMATE AND TO BE FIXED AT THE DETAILED DESIGN STAGE
- ALL MANHOLES SHALL BE TYPE 7 CATCHPITS UNLESS OTHERWISE STATED
- POLLUTION CONTROL MEASURES TO BE ADDED AT THE DETAILED DESIGN STAGE FOLLOWING RECOMMENDATIONS OF HEWERT ASSASSMENT SEE SZC-AD0310-WSP-SLRHDG-ZZ0000-REP-HCD-300003
- DRAINAGE PIPE AND MANHOLE REFERENCE RELATE TO THOSE CONTAINED IN HYDRAULIC MODEL
- PIERS TO HAVE CHAMBERS LOCATED AT MAXIMUM 100m SPACINGS
- FINISHES TO BE INCORPORATED AS PER H/SHW REQUIREMENTS
- CUT OFF DRAINS AT TOP OF CUTTINGS TO BE FINALISED AT DETAIL DESIGN STAGE

KEY:

- CARRIER / FILTER PIPE
- RISING MAIN PIPE
- TOP OF CUTTING SLOPE SWALE
- SWALE
- PROPOSED C&D UNIT
- PROPOSED BRIDGE DECK UNIT
- PROPOSED NARROW FILTER DRAIN
- PROPOSED CATCHPIT
- PROPOSED HEADWALL
- PROPOSED GULLY WITH CONNECTION
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- PROPOSED BOTTOM OF BASIN
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- PROPOSED PERMANENT BOUNDARY
- DEVELOPMENT CONSENT
- ORDER BOUNDARY
- EXISTING WATERCOURSE
- PROPOSED CULVERT
- WCC: WATERCOURSE CULVERT
- LDCLAND DRAIN CULVERT
- FRC-FLOOD RELIEF CULVERT

Rev.	Date	Description	App'd	Audit
P01	18/02/21	Final Revision	AW	---
P02.2	18/05/21	AMENDMENTS FOLLOWING REVIEW	---	---



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Client  
 AD3 MAJOR ROAD SCHEMES  
 AD0310 SIZEWELL LINK ROAD

Project Title  
 AD3 MAJOR ROAD SCHEMES  
 AD0310 SIZEWELL LINK ROAD

Drawing Title  
 PRELIMINARY DESIGN  
 HIGHWAYS DRAINAGE LAYOUT  
 SHEET 12 OF 15

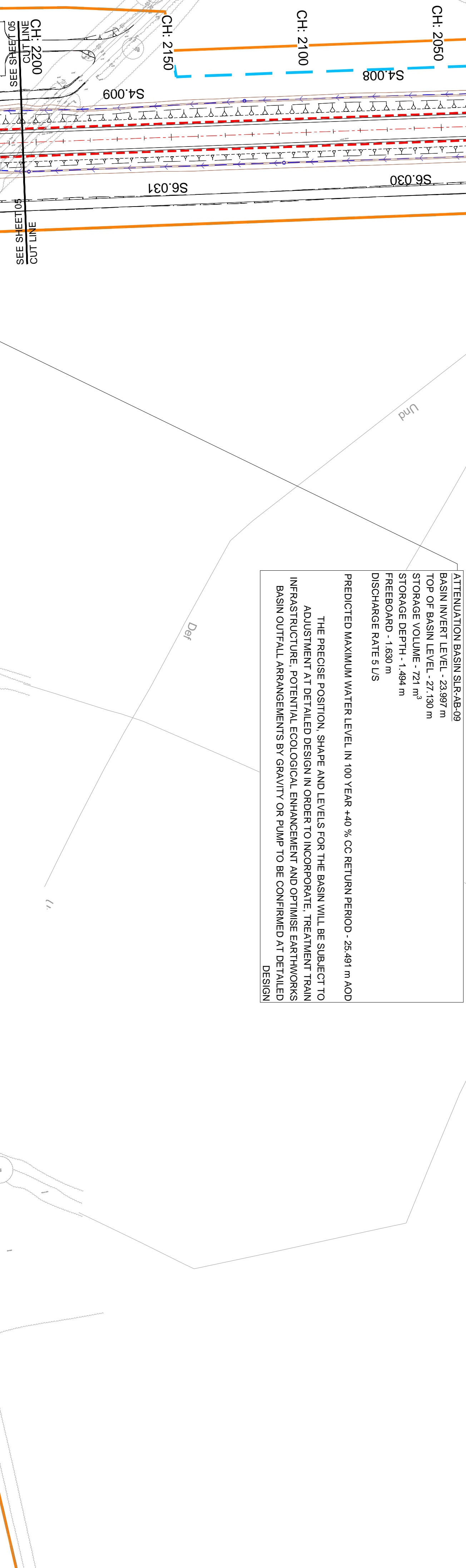
Scale @ A1	Date	Drawn	Checked	Approved	Authorised
N/A	18/05/21	D.James	---	---	---

SO	Status	Work in Progress	Stage
3	Work in Progress	---	3



**ATTENUATION BASIN SLR-AB-09**  
 BASIN INVERT LEVEL - 23.987 m  
 TOP OF BASIN LEVEL - 27.130 m  
 STORAGE VOLUME - 721 m<sup>3</sup>  
 STORAGE DEPTH - 1.494 m  
 FREBOARD - 1.630 m  
 DISCHARGE RATE 5 L/S  
 PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 25.491 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS BASIN OUTFALL ARRANGEMENTS BY GRAVITY OR PUMP TO BE CONFIRMED AT DETAILED DESIGN



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  - POLLUTION CONTROL MEASURES TO BE ADDED AT THE DETAILED DESIGN STAGE FOLLOWING RECOMMENDATIONS OF HEWAT ASSESSMENT SEE SZC-AD0310-WSP-SLRHDG-Z20000-REP-HCD-300003
  - DRAINAGE PIPE AND MANHOLE REFERENCE RELATE TO THOSE CONTAINED IN HYDRAULIC MODEL.
  - PRES TO HAVE CHAMBERS LOCATED AT MAXIMUM 100m SPACINGS
  - FINANFD'S TO BE INCORPORATED AS PER HR/SHW REQUIREMENTS
  - CUT OFF DRAINS AT TOP OF CUTTINGS TO BE FINALISED AT DETAIL DESIGN STAGE

**KEY:**

- CARRIER / FILTER PIPE
- RISING MAIN PIPE
- TOP OF CUTTING SLOPE SWALE
- SWALE
- PROPOSED CVD UNIT
- PROPOSED BRIDGE DECK UNIT
- PROPOSED NARROW FILTER DRAIN
- PROPOSED CATCHPIT
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- PROPOSED CULVERT
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- FRC: FLOOD RELIEF CULVERT

Rev	Date	Description	App'd	Auth'd
P01	18/05/21	Final Revision	AW	---
P02.2	18/05/21	AMENDMENTS FOLLOWING REVIEW	---	---

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Project Title: **AD3 MAJOR ROAD SCHEMES**  
 AD0310 SIZEWELL LINK ROAD

Drawing Title: **PRELIMINARY DESIGN**  
 HIGHWAYS DRAINAGE LAYOUT

SHEET 13 OF 15

Scale @ A1	Date	Drawn	Checked	Approved	Authorised
N/A	18/05/21	D.James	---	---	---

Drawings Number: SZC-AD0310-WSP-SLRHDG-Z20000-DRW-HCD-3005013  
 P02.2

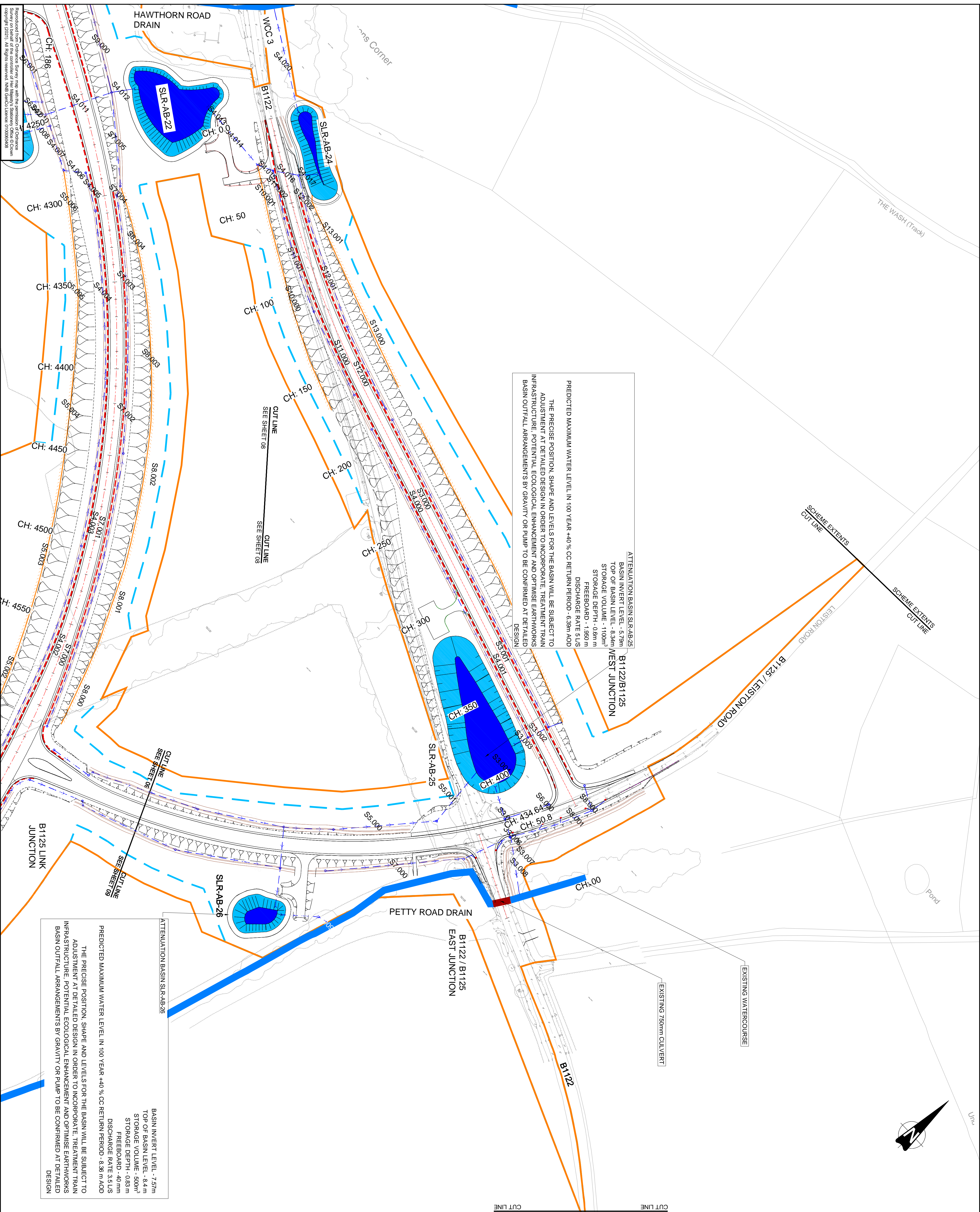
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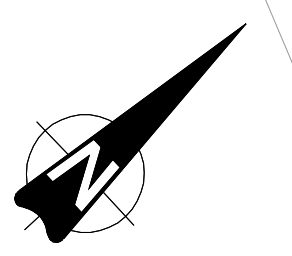


**ATTENUATION BASIN SLR-AB-25 WEST JUNCTION**  
 BASIN INVERT LEVEL - 5.79m  
 TOP OF BASIN LEVEL - 8.34m  
 STORAGE VOLUME - 1100m<sup>3</sup>  
 STORAGE DEPTH - 0.6m m  
 FREEBOARD - 1.950 m  
 DISCHARGE RATE 5.1/S  
 PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 6.39m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS BASIN OUTFALL ARRANGEMENTS BY GRAVITY OR PUMP TO BE CONFIRMED AT DETAILED DESIGN

**ATTENUATION BASIN SLR-AB-26**  
 BASIN INVERT LEVEL - 7.57m  
 TOP OF BASIN LEVEL - 8.4 m  
 STORAGE VOLUME - 500m<sup>3</sup>  
 STORAGE DEPTH - 0.83 m  
 FREEBOARD - 40 mm  
 DISCHARGE RATE 3.51/S  
 PREDICTED MAXIMUM WATER LEVEL IN 100 YEAR +40 % CC RETURN PERIOD - 8.36 m AOD

THE PRECISE POSITION, SHAPE AND LEVELS FOR THE BASIN WILL BE SUBJECT TO ADJUSTMENT AT DETAILED DESIGN IN ORDER TO INCORPORATE TREATMENT TRAIN INFRASTRUCTURE, POTENTIAL ECOLOGICAL ENHANCEMENT AND OPTIMISE EARTHWORKS BASIN OUTFALL ARRANGEMENTS BY GRAVITY OR PUMP TO BE CONFIRMED AT DETAILED DESIGN



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**Project Title:**  
 A03 MAJOR ROAD SCHEMES  
 AD0310 SEWELL LINK ROAD

**Project File:**  
 PRELIMINARY DESIGN  
 HIGHWAYS DRAINAGE LAYOUT

**Scale @ A1:**  
 18/05/21 D: James  
 18/05/21 S: Work in Progress

**Revision Table:**

Rev	Date	Description	App'd	Made
P01	18/05/21	Final Revision	AW	---
P02	18/05/21	AMENDMENTS FOLLOWING REVIEW	---	---

**Drawing Number:** SZC-AD0310-WSP-SLRHDG-Z20000-DRW-HCD-300015

**Scale:** 1:15

**Sheet:** SHEET 15 OF 15

**Logos:** SZC, EDF ENERGY, WSP

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## APPENDIX F: RECORD OF SCC COMMENTS AND SZC ACTIONS

<p>SCC Comments at Rev02</p>	
<p>The general principles of surface water drainage for the road schemes (Two Village Bypass, Sizewell Link Road and Yoxford Roundabout) and agreed between SZC Co and SCC.</p>	
<p>SCC Comments at Rev03</p>	
<p>Appendix F Sizewell Link Road Preliminary Drainage Design Statement Rev3</p> <p>"9.1.14 only identifies ordinary watercourse crossing at 250m and 750m but there is also an ordinary watercourse at chainage 950m, from memory of our site visit. The road crosses the watercourse at a skewed angle due to which it is unlikely a simple culvert will be feasible. You'll most likely need to diver the watercourse either side for a short distance to facilitate a short, direct crossing.</p> <p>Appendix A – 4.1.4, a point SCC has made previously, there is no reason for SCC to adopt the 50m upstream and downstream of culverts if the road is adopted – not an LLFA point but I expect Steve Merry will pick up on this too</p> <p>Appendix E – I've worked through this and noted some particularly deep basins and water depths, but likewise some well-designed basins with shallow water depths. I note you state these will be revisited as part of detailed design and there is space to increase basin sizes, but that isn't the case for all basins (SLR-AB-09). Some basins also have insufficient freeboard, some only just short (SLR-AB-37) and some very short (SLR-AB-10a &amp; SLR-AB-26). There looks to be an error on SLR-AB-33. Not</p>	<p>9.1.14 relates to land west of the railway and the one at 950 m is east</p> <p>The reference is to land take within which the watercourse works will be undertaken. It does not imply that the 50 m length of watercourse upstream and downstream of culverts will be adopted by SCC. Land is returned to landowner if not required for adoption</p> <p>Comment agreed</p>

## APPENDIX F: RECORD OF SCC COMMENTS AND SZC ACTIONS

<p>SCC Comments at Rev02</p>	
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**NOT PROTECTIVELY MARKED**

suggesting any further changes, but comments to note for future design iterations

Query – Any reason the calculations have been removed? These were provided previously and it's good that you've included a summary for each basin, but you still need to support this with a demonstration (i.e. calculations). This is a significant road scheme, we cannot support a drainage strategy that has no calculations to support it. Indeed, we wouldn't recommend approval of any size development at Outline that doesn't submit calculations.

Plan areas could be inferred from calculations previously but no longer any information on this"

Calculations were not provided for Drainage Strategy but were provided for Preliminary Design review and commented upon by SCC by email dated 29 September 2021

## ANNEX 2A.10: YOXFORD ROUNDABOUT UPDATED DRAINAGE STRATEGY

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**None provided.**

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**None provided.**

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## 1 INTRODUCTION

- 1.1.1 NNB Generation Company (SZC) Limited (SZC Co.) submitted an application for a Development Consent Order (DCO) to the Planning Inspectorate under the Planning Act 2008 for the Sizewell C Project (referred to as the ‘Application’) in May 2020. The Application was accepted for examination in June 2020.
- 1.1.2 SZC Co. has undertaken work to validate and develop the design of the Yoxford roundabout that was originally submitted as part of the DCO application. This document forms one of a series of design validation and evolution documents being provided to the Examining Authority in support of the **Outline Drainage Strategy** [[REP2-033](#)].
- 1.1.3 The Yoxford roundabout forms one of the Associated Developments (AD) which are required to mitigate traffic impacts arising from the main development site. The Yoxford roundabout consists of a new three arm roundabout, which includes the realignment of the existing A12 and B1122 Middleton Road, and the removal of the existing A12 and B1122 ghost island junction.
- 1.1.4 Yoxford roundabout modifies the existing public highway and as such will continue to form part of the highway network maintained by Suffolk County Council (SCC). It will be designed to DMRB standards (**Ref.2.**) and Suffolk County Council’s (SCC) adoptable standards (**Ref. 1.**). SCC adoptable standards take precedence.
- 1.1.5 Yoxford roundabout highway modifications will continue to generate surface water highway runoff which will require to be removed, treated as necessary and disposed.

## 2 PURPOSE

- 2.1.1 The **Outline Drainage Strategy** [[REP2-033](#)] identified at concept level the proposed drainage approach for the effective removal of runoff from the proposed Yoxford roundabout highway and its disposal.
- 2.1.2 This drainage strategy was developed in consultation with drainage regulators and local authorities, including SCC and the Environment Agency (EA). A number of workshops were held and the observations/requirements of drainage regulators were incorporated in the strategy.



- 2.1.3 The proposed drainage infrastructure was included in the concept design submitted as part of the DCO application. This concept design was based on data and information available at that time.
- 2.1.4 Following the provision of new data, and subsequent to the DCO submission, SZC Co. has developed the concept level design to preliminary design stage.
- 2.1.5 The purpose of this technical note is to provide details of how the concept design has been modified in response to the new data, such that it continues to provide for the effective and satisfactory drainage of Yoxford roundabout, without unacceptable adverse impact on the water environment, both in terms of flood risk and pollution.
- 2.1.6 The content of this technical note summarises the design details and approach already shared in a series of design review meetings held with key stakeholders, including the EA and SCC.
- 2.1.7 This technical note was updated at revision 03 to include for new data that has become available, provide additional information and responses to points raised by SCC following their review during the DCO Examination Stage.
- 2.1.8 This technical note is updated at revision 04 to address comments raised by SCC following their review of revision 03. These are shown in Appendix H
- 2.1.9 It is intended that this updated drainage strategy and resultant drainage infrastructure will remain in accordance with the with the **Outline Drainage Strategy** [\[REP2-033\]](#) submitted to the Examining Authority. It is further intended that following consultation with the Lead Local Flood Authority, it will be submitted to and approved by East Suffolk Council.

### 3 DESCRIPTION OF DCO DRAINAGE DESIGN STRATEGY

- 3.1.1 Based on available data at that stage, the concept design for the disposal of highway runoff was by infiltration to ground. However, it was not possible to undertake geotechnical investigation to confirm actual infiltration rates at that stage.
- 3.1.2 The drainage strategy provided for traditional drainage at the A12/B1122 roundabout and its east, north and southwest arms with a combination of



3.1.5 Similarly, and in accordance with SCC aspirations, the extent of carriageway draining via the highway drainage network into Yoxford would be substantially reduced.

## 4 ADDITIONAL INPUT DATA

4.1.1 The preliminary drainage design has been developed based on the concept design but modified to take account of data which has become available since DCO submission.

4.1.2 The new data which informs the design is listed below

- Drone topographic survey
- Aerial view from drone flyover
- Ground investigation and infiltration testing
- Ground penetrating radar (GPR) survey
- Additional traditional topographic survey of critical locations
- Site visits and inspection of Yoxford roundabout on 12 January 2021 and 24 February 2021
- Highways England Water Risk Assessment Tool (HEWRAT) (**Ref. 5.**)

4.1.3 The design development has also evolved through the design review meetings held with SCC and between SZC Co. and SCC's Lead Local Flood Authority (LLFA) officer. Comments and requirements confirmed by SCC have been recorded in minutes of the review meetings and taken into account.

4.1.4 The final draft preliminary design has been submitted to SCC as the Highway Authority, to SCC as LLFA, and the EA. Any final comments can be addressed in the preliminary design drawings and reports, prior to issue as final design.

## 5 EXISTING HIGHWAY DRAINAGE ARRANGEMENTS

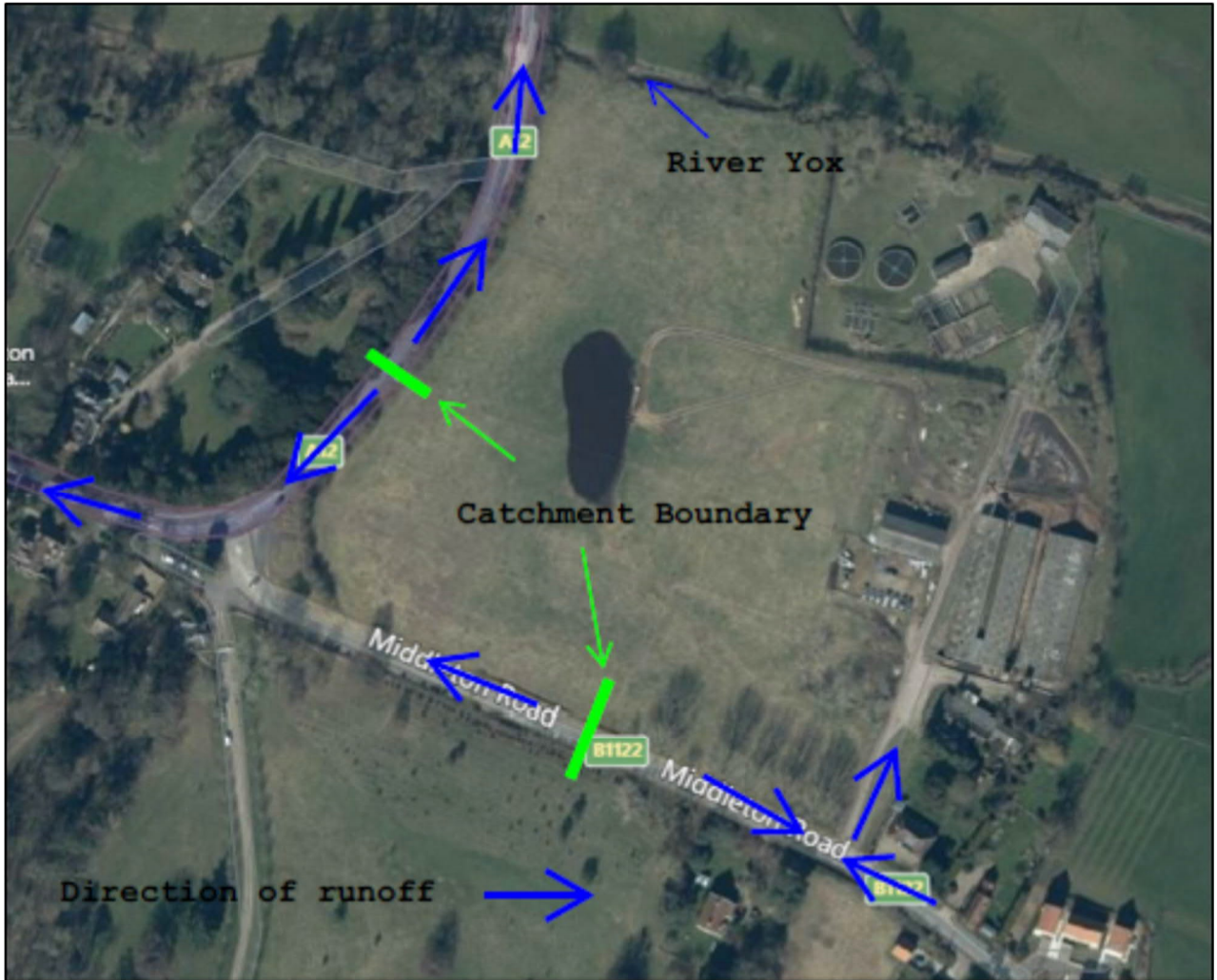
5.1.1 Since Yoxford roundabout replaces the existing T-junction of the A12 and B1122 highways and ties back into them to the east, north and southwest, it is necessary to take account of existing highway drainage and catchment areas in the design of drainage required for Yoxford roundabout.

- 5.1.2 The existing highway drainage is owned and maintained by SCC as Highway Authority. Liaison has taken place with SCC and although there are currently no formal plans showing the existing highway drainage infrastructure, SCC has been able to describe the drainage from the junction of the A12/B1122 into Yoxford village and separately the B1122 to the east. Some highway drainage has been identified as part of the GPR survey but is incomplete. However, it does align with the SCC description.
- 5.1.3 The accuracy of these descriptions has been validated by site inspection.
- 5.1.4 During liaison SCC confirmed that the downstream drainage network in Yoxford has no spare capacity and there are existing flooding problems. As a result, no additional highway paved area can be connected to the highway drainage network that outfalls into Yoxford.
- 5.1.5 SCC has no knowledge of any flooding issues with the local highway drainage network which drains the B1122 to the east of Yoxford and outfalls via the track leading to the sewage treatment works.
- 5.1.6 SCC was not able to confirm details of highway drainage on the A12 to the north of the road high point which falls towards the River Yox. Following site inspection, the presence of 2 gullies was noted on the northbound carriageway next to the Satis House entrance. However, there is no evidence of any highway drain or outfall into the River Yox for either northbound or southbound carriageways. Highway runoff is removed by overland flow across the River Yox bridge and then by a series of gullies which appear to outfall into drainage ditches which in turn discharge into the River Yox.
- 5.1.7 In summary it can be confirmed that there are 3 existing catchments within the extent of the Yoxford roundabout scheme:
- A12/B1122 outfalling southwest into Yoxford
  - A12 outfalling north to the River Yox
  - B1122 outfalling east



5.1.8 The extent of these catchments is shown in **Plate 2**.

**Plate 2: Existing highway layout showing catchment boundaries and overland flow paths**



## 6 GROUND INVESTIGATION AND INFILTRATION TESTING RESULTS

6.1.1 Ground investigation and infiltration testing has been undertaken for the Yoxford roundabout scheme. Infiltration testing was undertaken in accordance with BRE365 at one location, YOXTP3, located within the footprint of the proposed infiltration basin. The results were shared with SCC in October 2020. Following review by SCC, it was agreed that infiltration is viable for Yoxford roundabout.

6.1.2 A plan showing location of the infiltration test together with test results and log describing the strata are shown in **Appendix A**.

## 7 POLLUTION ASSESSMENT RESULTS(HEWRAT)

7.1.1 Based on the DCO concept design and the infiltration testing results, a pollution assessment was undertaken using the HEWRAT method (**Ref. 5.**). The results were shared with SCC. A copy is shown in **Appendix F**.

## 8 PRELIMINARY DRAINAGE DESIGN

8.1.1 The results of Geotechnical Investigation with infiltration rate testing at the site of the infiltration basin demonstrate that it is possible to remove highway runoff by infiltration to ground. Accordingly, it is proposed that highway runoff is removed and disposed by infiltration to ground to the extent possible.

8.1.2 In order to drain the maximum area into the infiltration basin located south of the roundabout the base level for the basin has been set at 10.5 mAOD. Side slopes for the basin have been set at 1 in 4 which is in accordance with SCC guidance. Hydraulic modelling demonstrates that the basin does fit within available space as shown in **Plate 3** with a maximum depth of water predicted to be 0.857 m during a 1 in 100 year return period rainfall event plus 40% allowance for climate change. The calculated maximum depth of attenuated water is on the basis that the base of the basin is lined and that infiltration is through the basin sides. This arrangement is required following completion of the HEWRAT assessment which indicates that transit time for migration of infiltration runoff through the unsaturated strata zone, above groundwater level, needs to be increased.



### Plate 3: Infiltration basin footprint



8.1.3 The DCO drainage strategy allowed for removal of surface water highway runoff by use of gullies and combined kerb drains (CKDs). This strategy continues to apply for the roundabout and A12 southern arm. However, as part of design development, clear of the roundabout the southbound carriageway of the A12 northern arm and the eastbound carriageway of the B1122 will discharge “over the edge” and into filter drains. The filter drain arrangement will also ensure that any runoff from the cutting adjacent the road is collected and does not flow onto the road.

8.1.4 A short 20 m section of the B1122 at the tie into existing road is not able to drain back against the road longfall and to the infiltration basin. The existing road has no formal drainage and overland flow follows the falling gradient to the east of the junction with the sewage treatment works access track at which point it is collected in existing gullies. The area is shown in **Plate 4** and as can be seen by reference to **Plate 2** the length of road discharging runoff by overland flow is reduced by approximately 80 m. Given this

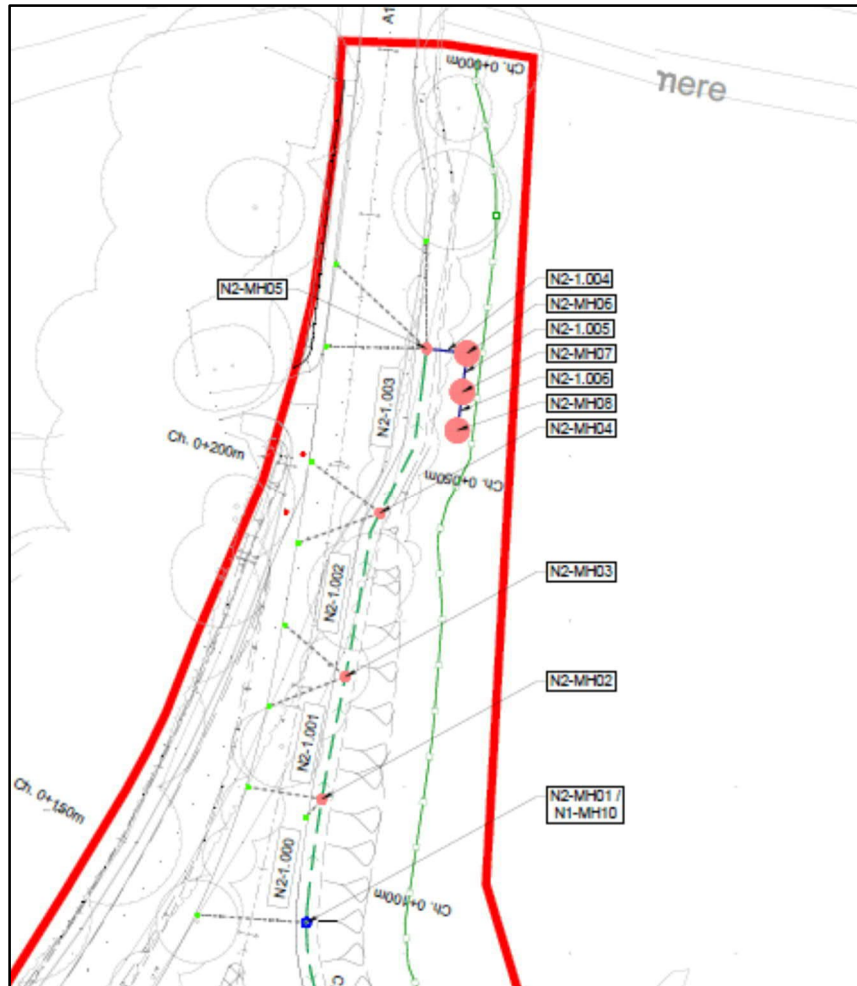
reduction and no evidence of flooding issues, it is not intended to provide any new formal surface drainage for removal of runoff on this section.

**Plate 4: 20 m length of B1122 with no formal drainage**



8.1.5 Most of the northern arm of the roundabout cannot drain back against the road longfall and to the infiltration basin by gravity. The length of this section of the A12 is approximately 100 m to the crossing of the River Yox. Given its length, road modification, and long overland flow path to the north of the river, a local drainage network is proposed, separate to the infiltration basin catchment. As the northbound carriageway has a footpath and kerb, a series of gullies are proposed. The proposed gullies discharge across the road to a filter drain/carrier drain which in turn discharges north to proposed soakaways at the rear of the layby adjacent to the River Yox bridge. The southbound carriageway drains “over the edge” into the filter drain which also collects runoff from the adjacent cutting side. The arrangement is shown in **Plate 5** with the proposed soakaways shown by the three larger red circles.

Plate 5: A12/B112 roundabout northern arm drainage



8.1.6 The HEWRAT assessment was completed following the design of northern arm with soakaway outfall. This indicated that due to assumed groundwater levels there would be a medium risk of pollution to groundwaters due to the short transit time for highway runoff to percolate through the strata. In the case of the main infiltration basin this issue can be addressed by installing an impermeable base such that infiltration takes place through the sides of the basin, increasing transit time. An impermeable base soakaway option is not available for the northern arm soakaways.

8.1.7 The northern arm drainage strategy was discussed with SCC and draining the northern arm with discharge to the River Yox has been proposed as an alternative. The location of the required discharge point was inspected at the second site visit confirming the feasibility of an outfall route to the rear of the bridge parapet wall. SCC has confirmed that given the relative

pollution risk to groundwater and the fact that existing highway runoff does discharge indirectly to the river, a discharge to the river from northern arm will be acceptable, subject to provision of effective treatment trains. However, since the River Yox is classified as main river the discharge and outfall headwall will require to be consented by the EA. Given that this section of A12 currently drains indirectly via a local ditch to the River Yox, with no provision of treatment, the proposed outfall will provide an improvement to the existing situation.

- 8.1.8 It is agreed that the design of the northern arm drainage outfall will be changed from soakaway to discharge to the River Yox at detailed design stage.

## 9 UPDATED PRELIMINARY DRAINAGE DESIGN

- 9.1.1 Both SCC and the EA have reviewed the preliminary drainage design during design review meetings. SCC has also commented on the earlier revision of this document in advance of Examination. Their comments have been considered and responded to, with provision of information to SCC in October 2021. Details of the comments and the agreed modifications are described below.

- 9.1.2 The preliminary drainage design was developed and validated by hydraulic modelling. The hydraulic modelling software uses rainfall data known as FSR and FEH. Either rainfall data can be used and depending on geographic location may give very similar or varying results for drainage network performance. The Yoxford hydraulic model at preliminary design stage used FRS data. SCC have confirmed that they believe that the use of FEH gives more conservative results in this area. The hydraulic model has been rerun using FEH and the results are shown in **Appendix C**.

- 9.1.3 Separate to drainage design, SCC also had concerns regarding the proximity of the infiltration basin to the roundabout, given that the basin is approximately 3.5 m lower than the road. SCC requested confirmation on what protection against errant vehicles is required and provided. Given a need for some form of vehicle restraint system (VRS) SCC requested evidence that the basin, providing the required volume of storage pending infiltration, will fit within the space available with VRS in place.

- 9.1.4 A sketch showing the layout with the road, verge, VRS and basin arrangement is shown in **Appendix B**. In summary at this stage there was provision for a 2 m wide grass verge, a 2.2 m wide earth bund VRS and a 1.5 m wide berm making a total distance of 5.7 m between road kerb face and crest of the basin. It is noted that as shown in **Appendix D**, that it was

later agreed that the VRS would be formed by a fence and thus the distance from road kerb face to the crest of basin is reduced to 5.5 m.

- 9.1.5 The basin bed is set at a level of 10.50 mAOD and the berms requested by SCC in their email date 4 October 2021 are incorporated. In the same email and following the completion of this design development, SCC have confirmed that the maximum depth of water temporarily stored in the basin pending infiltration to ground should not exceed 1.0 m. On this basis only one berm located at 600 mm above the base of the basin is required. As a result, more space is available.
- 9.1.6 The hydraulic performance shown in **Appendix C** shows a predicted maximum depth of water temporarily stored in the basin pending infiltration to ground would be approximately 1.265 m for the 1 in 100 year return period rainfall event plus 40% climate change. However as can be seen from the sketch shown in **Appendix B**, there is sufficient space to increase the base area of the basin and reduce the depth to the required 1.0 m. A plan providing details of the drainage network as modelled, with labels is shown in **Appendix F**.
- 9.1.7 In earlier discussion, following their review of the preliminary design basin layout, SCC had also requested that the number of outfalls discharging into the basin be reduced. The sketch shows a reduction from eleven outfalls to four. This is achieved by reducing the number of individual gully outfalls.
- 9.1.8 The updated preliminary design sketch shown in **Appendix B**, does not show the outfall headwall or forebay arrangements. It is agreed that in accordance with The SUDS Manual (**Ref 3.**), these are required and will be added at detailed design.
- 9.1.9 The DCO indicative landscaping proposals showing provision of trees within the basin sides is shown. Additionally, other suitable landscaping and provision of suitable vegetation such as reeds will be added at detailed design.
- 9.1.10 The proposed adjustments were shared with SCC in October 2021. In their verbal response, on 8 October 2021 SCC expressed a concern that the EA may have an objection to a basin with a depth which exceeds 2.0 m. As such SCC could not approve and adopt the Yoxford roundabout improvements without either EA confirmation of acceptance of a basin with base level of 10.5 mAOD or an alternative proposal.
- 9.1.11 A joint SCC, EA, SZC meeting took place on 12 January 2022 in which proposed updates to the preliminary drainage strategy focussed on the depth of the infiltration basin were discussed.



- 9.1.12 SZC explained that the depth of the basin is required in order to ensure a gravity outfall from the proposed catchment. Details of groundwater level had been taken from a borehole well at a farm located approximately 240 m from the basin location and groundwater level is assumed to be 9 mAOD. This would give an unsaturated zone depth of 1.5 m.
- 9.1.13 The EA confirmed that their concern is not so much the depth of the basin but to ensure it remains above groundwater levels at all times and that an unsaturated zone is available to allow infiltration. If the groundwater level is 9 mAOD, then the basin with a base level of 10.5 mAOD would be acceptable. However, before confirming acceptance of the design the EA want to see evidence of periodic seasonal groundwater levels at the basin. This would require monitoring of peak groundwater levels over an extended timeframe.
- 9.1.14 The proposed modification of outfall arrangements for the A12/B1122 roundabout northern arm were also discussed. SZC confirmed that following the completion of the HEWRAT assessment, it has been demonstrated that the proposed soakaway manholes shown in **Plate 5** will not be viable because of groundwater levels which are assumed to be at the same level as the baseflow water level in the River Yox.
- 9.1.15 As described in 8.1.7 and 8.1.8, the alternative of a discharge to the River Yox is acceptable to SCC who will adopt and maintain the highway drainage. However, since the River Yox is main river, the EA also need to confirm agreement and issue an Environmental Permit for the discharge.
- 9.1.16 The hydraulic model for the current network (Network 2) with soakaway outfall is shown in **Appendix C**. The proposed network with outfall to the River Yox will be subject to remodelling at detailed design to confirm if any attenuation of peak flow rate is required. If this is the case attenuation storage and flow control will be incorporated in design. A plan providing details of the drainage network as modelled, with labels is shown in **Appendix F**.
- 9.1.17
- 9.1.18 As a result of these discussions, subject to the results of periodic seasonal groundwater level monitoring, the preliminary drainage design will be subject to modification at detailed design stage, such it will be acceptable to SCC and the EA.
- 9.1.19 The agreed modifications changes do not change the principles contained in the **Outline Drainage Strategy [REP2-033]**.



## 10 ALTERNATIVE INFILTRATION BASIN DESIGN

- 10.1.1 Given the possibility that the EA may not agree to the infiltration basin if its depth is greater than 2.0 m, SCC have asked SZC to confirm the alternative drainage provision that would provide the necessary drainage.
- 10.1.2 SZC provided details of a revised basin in October 2021. The revised drainage provision retains the basin but raises the base level from 10.5 mAOD to 11.25 mAOD, being 2 m below the lowest ground level on the south side of the basin. The layout is shown in **Appendix D**.
- 10.1.3 The hydraulic performance of the basin is shown in **Appendix E**. This shows that the predicted depth of water temporarily stored in the basin pending infiltration to ground would be approximately 0.914 m for the 1 in 100 year return period rainfall event plus 40% climate change. This reduction in depth is due to a reduction in network catchment area and the basin footprint being larger. A plan providing details of the drainage network as modelled, with labels is shown in **Appendix F**.
- 10.1.4 In raising the base level of the basin from 10.5 mAOD to 11.25 mAOD it is also necessary to raise the invert level of the incoming drains. Since the drainage network is a gravity network and the drains require a minimum depth of cover for protection, the effect of this change is to reduce the size of the catchment area which can drain to the basin. The contributing catchment reduces in size from 0.863 HA to 0.69 HA.
- 10.1.5 A longer length of the B1122 will drain east relative to that described in 8.14 and shown in **Plate 4**. However, it will still be less than the current area. The need for any formal drainage will be considered and addressed at detailed design.
- 10.1.6 A longer length of the A12 will drain north to the River Yox relative to that described in 8.15 and shown in **Plate 5**. If required, the proposed drainage network can be modified at detailed design, to accommodate the additional flows.
- 10.1.7 As noted in **Section 9**, subject to the results of periodic seasonal groundwater level monitoring, the preliminary drainage design will be subject to modification at detailed design stage with an infiltration basin base level set at 10.5 mAOD. In the event that the monitoring results make the 10.5 mAOD level impractical or unacceptable to SCC and the EA, then the higher level of 11.25 mAOD would be implemented.

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## 11 VALIDATION OF OUTLINE DRAINAGE STRATEGY

- 11.1.1 In accordance with the drainage hierarchy, the **Outline Drainage Strategy [REP2-033]** proposed the primary use of infiltration, with additional use of attenuation techniques (e.g. ponds and swales) to manage water quality and to further promote infiltration, and disposal to watercourse where necessary. The **Outline Drainage Strategy** is validated by the preliminary design defined in this report.
- 11.1.2 The approach in the **Outline Drainage Strategy [REP2-033]** is validated by the completed preliminary design, which has demonstrated that infiltration is viable, subject to the groundwater monitoring, except for the drainage of the A12 roundabout northern arm where discharge of water to the River Yox is confirmed to be acceptable to both SCC and the EA.
- 11.1.3 The preliminary design documents will be made available for review and acceptance by SCC and the EA with respect to acceptance of the road modification by SCC and for required regulatory consents.

## 12 SUMMARY AND CONCLUSION

- 12.1.1 The purpose of this technical note is to provide details of how the concept design has needed to evolve and develop as a result of provision of new information. The only significant change is that the A12 northern arm between Yoxford roundabout and the River Yox bridge will now discharge to the River Yox instead of to ground by infiltration.
- 12.1.2 The highway drainage has been designed in accordance with Design Manual for Roads and Bridges (**Ref.2**), the CIRIA SUDs Manual C753 (**Ref. 3**) and to comply with stated requirements of SCC contained in their SUDs Local Design Guide Appendix A (**Ref. 4**).
- 12.1.3 At this preliminary design stage, it is considered that the design provides options for the effective removal, treatment and disposal of highway runoff. It reduces current level of flood risk within Yoxford and to the B1122 to the east providing a flood risk legacy benefit. The flood risk performance of the highway is as specified in DMRB and SCC guidance.

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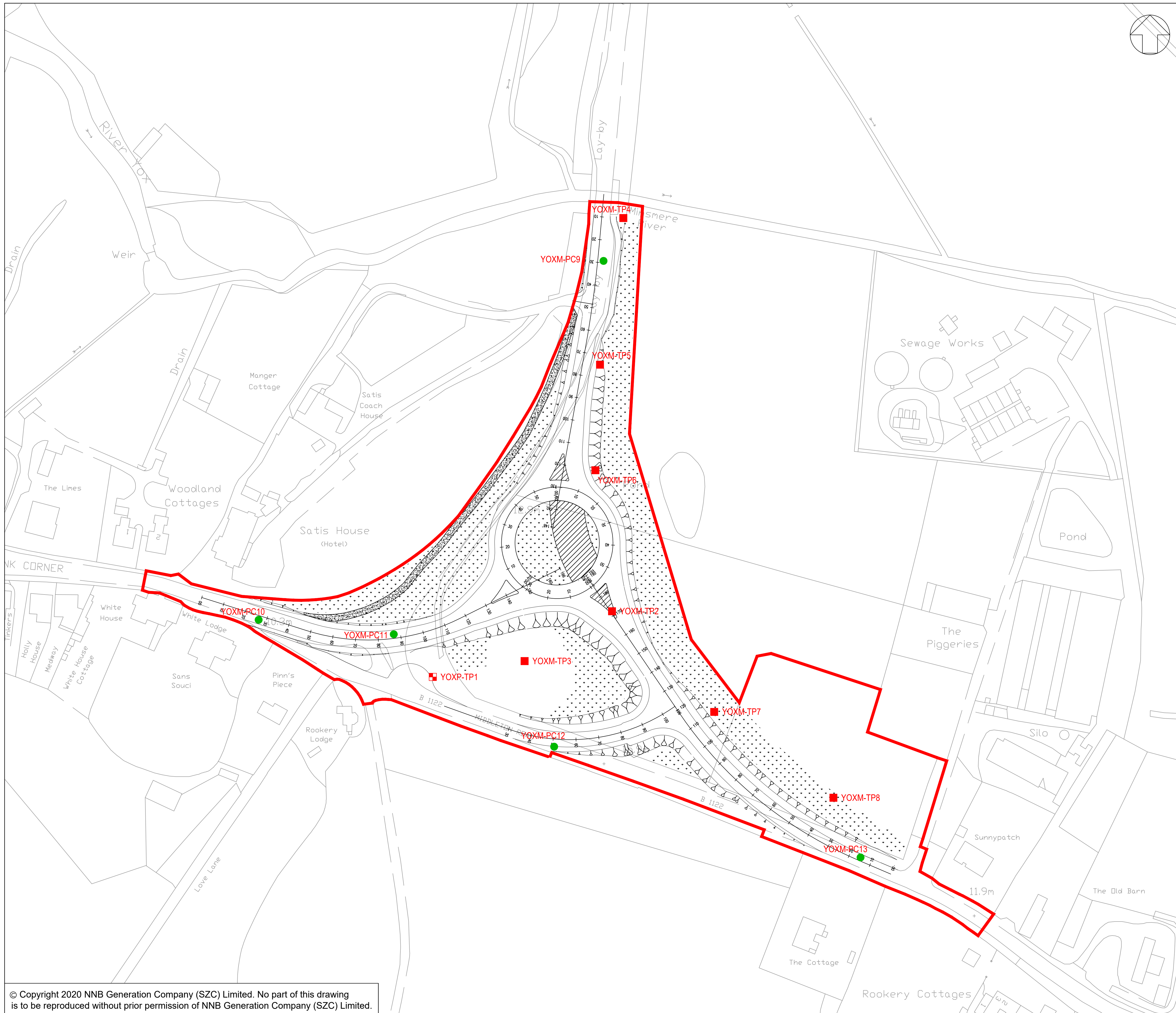
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## APPENDIX A: INFILTRATION TEST DATA AND RESULTS





- KEY:**
- P-SH101 TRANCHE 1 SITE INVESTIGATION LOCATION
  - M-TH101 TRANCHE 2 GROUND INVESTIGATION TRIAL HOLE
  - TRANCHE 2 PAVEMENT CORE LOCATIONS
  - RED LINE BOUNDARY

**GI COORDINATES**

LOCATION	POSITION X	POSITION Y
YOXP-TP1	639890.083	268708.134
YOXM-TP2	639968.642	268736.921
YOXM-TP3	639930.328	268715.080
YOXM-TP4	639973.593	268909.289
YOXM-TP5	639963.377	268844.996
YOXM-TP6	639961.361	268798.734
YOXM-TP7	640013.456	268692.803
YOXM-TP8	640065.677	268655.182
YOXM-PC9	639964.946	268890.488
YOXM-PC10	639813.777	268733.168
YOXM-PC11	639873.010	268726.833
YOXM-PC12	639943.289	268677.562
YOXM-PC13	640077.589	268629.008

REVISION	DATE	DRAWN	CHECKED	REASONS FOR REVISION / COMMENTS	APPROVED
02	06/07/2020	PR	RG	P-TPX CHANGED TO YOXP-TPX, M-TPX CHANGED TO YOXM-TPX, AND PAVEMENT CORE LABELS ADDED	LB
01	09/06/2020	PR	LB	RED LINE BOUNDARY ADDED	LB
-	26/06/2020	PR	RG	FIRST ISSUE	LB

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DOCUMENT: DRAWING

DRAWING TITLE:  
**YOXFORD ROUNDABOUT  
 GROUND INVESTIGATION  
 LOCATION PLAN**

DRAWING NO: SZC-70073055-GEO-DWG-001 REVISION: 02

DATE: JUNE 20 DRAWN: PR SCALE: NTS

SCALE BAR:

<b>FUGRO</b>	Contract Name	Sizewell Road Schemes - Infiltration Testing and Geotechnical Investigation			Location ID	<b>YOXM-TP3B</b>
	Client	NNB Generation Company (SZC) Limited				
	Fugro Reference	G200015U				
	Coordinates (m)	E639933.38 N268717.76	Ground Elevation (m Datum)	15.41	Sheet 1 of 1	
	Hole Type	Trial Pit			Status	Preliminary

Equipment										
Depth From (m)	Depth To (m)	Hole Type	Date From	Date To	Equipment	Core Barrel	Core Bit	Drilling Crew	Logged By	Remarks
0.00	3.00	TP	26/11/2020	26/11/2020	Machine excavated : 14T			ST	GK	

Progress						Rotary Details					Core Details			
Date (dd/mm/yyyy)	Time (hh:mm)	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Weather	Depth From (m)	Depth To (m)	Flush Type	Flush Return (%)	Flush Colour	Run Time (hh:mm)	Depth From (m)	Depth To (m)	Diameter (mm)
26/11/2020	08:00	0.00			Cold and misty									
26/11/2020	17:00	3.00			Dry									

Hole and Casing			
Depth To (m)	Hole Diameter (mm)	Depth To (m)	Casing Diameter (mm)

Chiselling / Slow Progress			
Depth From (m)	Depth To (m)	Duration (hh:mm)	Tool / Remark

Water Strike		Water Added				
Strike At (m)	Rise To (m)	Time Elapsed (mins)	Casing Depth (m)	Depth Sealed (m)	Depth From (m)	Depth To (m)

Water Strike Remarks	General Remarks
Groundwater not encountered during excavation.	1. Additional trial pit adjacent to YOXM-TP3A to allow for soakaway testing. Sampling not required. 2. Prior to excavation, a Cable Avoidance Tool (CAT) survey was undertaken; services were not located. 3. Soakaway testing was carried out on completion of excavation; results reported separately.

Installation					Pipe					Backfill			
Type	Tip Depth / Distance (m)	Response Zone Top (m)	Response Zone Base (m)	Installation Date	ID	Top Depth (m)	Base Depth (m)	Diameter (mm)	Type	Depth From (m)	Depth To (m)	Backfill Material	Date
										0.00	3.00	Arisings	26/11/2020

**Notes**  
 - Abbreviations and results data defined in 'Exploratory Location Records Keysheets'

Checked By	ROR	Elevation Datum	Ordnance Datum (Newlyn)	Grid Coordinate System	OSGB	
Template: FGSL/HBSI/FGSL BH Summary.hbt/Config Fugro Rev5/26/06/2019/TS+AW					Print Date	03/12/2020





<b>Contract Name</b> <b>Client</b> <b>Fugro Reference</b> <b>Coordinates (m)</b> <b>Hole Type</b>	Sizewell Road Schemes - Infiltration Testing and Geotechnical Investigation		<b>Location ID</b> <b>YOXM-TP3B</b>
	NNB Generation Company (SZC) Limited		
	G200015U		Sheet 1 of 1 <b>Status</b> Preliminary
	E639933.38 N268717.76	Ground Elevation (m Datum) 15.41	

Sampling and In Situ Testing				Strata Details					Groundwater	
Depth (m)	Type	No.	Test Results	Depth (m)	Strata Descriptions	Depth (Thickness) (m)	Level (m Datum)	Legend	Water Strike	Backfill / Installation
				0.0	TOPSOIL. Soft dark brown slightly gravelly sandy silt with frequent roots and rootlets (<2mm x 100mm). Sand is fine to coarse. Gravel is subangular and subrounded fine to coarse of flint and quartz.	0.40	15.01			
				0.4	Orangish brown slightly gravelly SAND with low cobble content. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of flint and quartz. Cobbles (<90mm x 120mm x 160mm) are subangular of flint.	0.40	15.01			
				1.0						
				2.0						
				3.0	End of Trial Pit / Trench at 3.00 m	3.00	12.41			
				4.0						

PRELIMINARY

<b>Notes</b> - Abbreviations and results data defined on 'Notes on Exploratory Position Records'	<b>Pit Stability</b> Stable	<b>Plan</b> 2.10 m 1.20 m  110°



Contract Name	Sizewell Road Schemes - Infiltration Testing and Geotechnical Investigation			Location ID
Client	NNB Generation Company (SZC) Limited			<b>YOXM-TP3B</b>
Fugro Reference	G200015U			
Coordinates (m)	E639933.38 N268717.76	Ground Elevation (m Datum)	15.41	Sheet 1 of 1
Hole Type	Trial Pit			Status Preliminary

Standard Penetration Test Results

Test Depth (m)	Test Type	Self Weight Penetration (mm)	Test Result	Total Penetration (mm)	Hammer Serial Number	Energy Ratio (%)	Casing Depth (m)	Water Depth (m)
PRELIMINARY								

In Situ Vane Test Results

In Situ Hand Penetrometer Results

Volatile Headspace Testing by Photoionisation Detector

Test Depth (m)	Test Type	Undisturbed Undrained Shear Strength (kPa)	Residual Undrained Shear Strength (kPa)	Test Depth (m)	Undisturbed Undrained Shear Strength (kPa)	Test Depth (m)	PID Result (ppm)
PRELIMINARY							

Notes  
- Abbreviations and results data defined on 'Notes on Exploratory Position Records'

**NNB GENERATION COMPANY (SZC) LIMITED**  
**SIZEWELL ROAD SCHEMES - INFILTRATION TESTING AND GEOTECHNICAL INVESTIGATION**

SOAKAWAY TEST RECORD							Method BRE 365 2016				
Date	26/11/2020	Operator		GK		Pit Depth	3.00 m	Hole No.	YOXM-TP3B		
Test 1 ■			Test 2 ◆			Test 3 ▲					
Start Time = 08:43			Start Time = 10:23			Start Time = 12:50					
Test Top = 0.54 m BGL			Test Top = 0.45 m BGL			Test Top = 0.43 m BGL					
Test Base = 3.00 m BGL			Test Base = 3.00 m BGL			Test Base = 3.00 m BGL					
75% EDP = 1.16 m BGL			75% EDP = 1.09 m BGL			75% EDP = 1.07 m BGL					
50% EDP = 1.77 m BGL			50% EDP = 1.73 m BGL			50% EDP = 1.72 m BGL					
25% EDP = 2.39 m BGL			25% EDP = 2.36 m BGL			25% EDP = 2.36 m BGL					
Elapsed Time [hr:min:sec]	Water [m BDL]	Water [m BGL]	EDP [%]	Elapsed Time [hr:min:sec]	Water [m BDL]	Water [m BGL]	EDP [%]	Elapsed Time [hr:min:sec]	Water [m BDL]	Water [m BGL]	EDP [%]
00:00:00		0.54	100	00:00:00		0.45	100	00:00:00		0.43	100
00:00:30		0.57	99	00:00:30		0.47	99	00:00:30		0.43	100
00:01:00		0.60	98	00:01:00		0.47	99	00:01:00		0.45	99
00:01:30		0.65	96	00:01:30		0.48	99	00:01:30		0.45	99
00:02:00		0.68	94	00:02:00		0.48	99	00:02:00		0.46	99
00:03:00		0.74	92	00:03:00		0.50	98	00:03:00		0.47	98
00:04:00		0.80	89	00:04:00		0.51	98	00:04:00		0.49	98
00:05:00		0.86	87	00:05:00		0.54	96	00:05:00		0.50	97
00:06:00		0.91	85	00:06:00		0.57	95	00:06:00		0.51	97
00:07:00		0.97	83	00:07:00		0.61	94	00:07:00		0.53	96
00:08:00		1.03	80	00:08:00		0.64	93	00:08:00		0.56	95
00:09:00		1.06	79	00:09:00		0.68	91	00:09:00		0.59	94
00:10:00		1.11	77	00:10:00		0.70	90	00:10:00		0.61	93
00:12:00		1.19	74	00:12:00		0.77	87	00:12:00		0.68	90
00:14:00		1.26	71	00:14:00		0.83	85	00:16:00		0.78	86
00:16:00		1.33	68	00:16:00		0.89	83	00:20:00		0.88	82
00:20:00		1.46	63	00:20:00		1.01	78	00:25:00		1.01	77
00:25:00		1.61	57	00:25:00		1.14	73	00:30:00		1.12	73
00:30:00		1.72	52	00:30:00		1.26	68	00:40:00		1.34	65
00:40:00		1.93	43	00:40:00		1.49	59	00:50:00		1.52	58
00:50:00		2.10	37	00:50:00		1.68	52	01:00:00		1.68	51
01:00:00		2.23	31	01:00:00		1.85	45	01:20:00		1.96	40
01:10:00		2.33	27	01:20:00		2.11	35	01:40:00		2.17	32
01:20:00		2.42	24	01:40:00		2.29	28	02:00:00		2.35	25
01:30:00		2.50	20	02:00:00		2.44	22	02:15:00		2.45	21
01:40:00		2.55	18	02:10:00		2.50	20	02:25:00		2.50	19
Datum (-ve denotes AGL) = 0.00 m BGL Ground Level taken as Datum.											

Input by AH 27/11/2020

Checked by ROR/CAY 03/12/2020

Contract No. G200015U

**NNB GENERATION COMPANY (SZC) LIMITED**  
**SIZEWELL ROAD SCHEMES - INFILTRATION TESTING AND GEOTECHNICAL INVESTIGATION**

SOAKAWAY TEST RECORD							Method BRE 365 2016
Date	26/11/2020	Operator	GK	Pit Depth	3.00 m	Hole No.	YOXM-TP3B

Test Details	
Datum (-ve denotes AGL) = 0.00 m BGL	Well Screen Well screen not used
Pit Length = 2.10 m	Filter Material
Pit Width = 1.20 m	Assumed Solid Fraction = 63.13 %
Pit Depth = 3.00 m BGL	Assumed Porosity = 36.87 %
Weather Cold, dry, calm, damp ground.	
Geology SAND.	
Remarks	
Gravel fill up to 0.40m BGL to support unstable pit. Water added to the pit to 0.54m BGL (Test 1), 0.45m BGL (Test 2) and 0.43m BGL (Test 3).	

Calculation								
Test 1 <span style="color: blue;">■</span>			Test 2 <span style="color: green;">◆</span>			Test 3 <span style="color: red;">▲</span>		
Start Time =	08:43		Start Time =	10:23		Start Time =	12:50	
Test Top =	0.54 m BGL		Test Top =	0.45 m BGL		Test Top =	0.43 m BGL	
Test Base =	3.00 m BGL		Test Base =	3.00 m BGL		Test Base =	3.00 m BGL	
EDP =	2.46 m		EDP =	2.55 m		EDP =	2.57 m	
75% EDP =	1.16 m BGL		75% EDP =	1.09 m BGL		75% EDP =	1.07 m BGL	
50% EDP =	1.77 m BGL		50% EDP =	1.73 m BGL		50% EDP =	1.72 m BGL	
25% EDP =	2.39 m BGL		25% EDP =	2.36 m BGL		25% EDP =	2.36 m BGL	
V =	6.20 m <sup>3</sup>		V =	6.43 m <sup>3</sup>		V =	6.48 m <sup>3</sup>	
Vg =	3.91 m <sup>3</sup>		Vg =	4.06 m <sup>3</sup>		Vg =	4.09 m <sup>3</sup>	
Vp =	2.29 m <sup>3</sup>		Vp =	2.37 m <sup>3</sup>		Vp =	2.39 m <sup>3</sup>	
Vp75-25 =	1.14 m <sup>3</sup>		Vp75-25 =	1.18 m <sup>3</sup>		Vp75-25 =	1.19 m <sup>3</sup>	
ap =	10.64 m <sup>2</sup>		ap =	10.94 m <sup>2</sup>		ap =	11.00 m <sup>2</sup>	
Tp75 =	690 s		Tp75 =	1380 s		Tp75 =	1680 s	
Tp25 =	4560 s		Tp25 =	6600 s		Tp25 =	7260 s	
Infiltration Rate, f =	2.78E-05 m/s		Infiltration Rate, f =	2.08E-05 m/s		Infiltration Rate, f =	1.94E-05 m/s	
<p><b>Notes</b> Pit sides are assumed to be vertical; dimensions at mid-depth of pit used in general. m AGL/BGL = metres above / below ground level; m BDL = metres below datum level.</p> <p>Effective depth of soakaway (EDP) is calculated from the initial water level to the base of hole.</p> <p>V is the effective storage volume of water in the hole (ESV) when gravel fill not used; Vg is the effective volume taken up by the gravel solid; Vp is the ESV, less the volume of the gravel fraction.</p> <p>Vp75-25 is the ESV between 75% and 25% effective depth, less the volume of the gravel fraction; Vp75-50 is used when 25% EDP was not reached.</p> <p>ap is the internal surface area of the pit including base area during the test.</p> <p>Tp75 is time at 75% EDP; Tp50 is the time at 50% EDP; Tp25 is time at 25% EDP.</p> <p>Tp75-25 is the assessed time for water level to fall from 75% to 25% EDP; Tp75-50 is used when 25% EDP was not reached.</p> <p style="text-align: center;">Soil Infiltration rate, <math>f = \frac{Vp_{75-25}}{ap \times Tp_{75-25}}</math> or Soil Infiltration rate, <math>f = \frac{Vp_{75-50}}{ap \times Tp_{75-50}}</math></p>								

Input by AH 27/11/2020

Checked by ROR/CAY 03/12/2020

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