



The Sizewell C Project

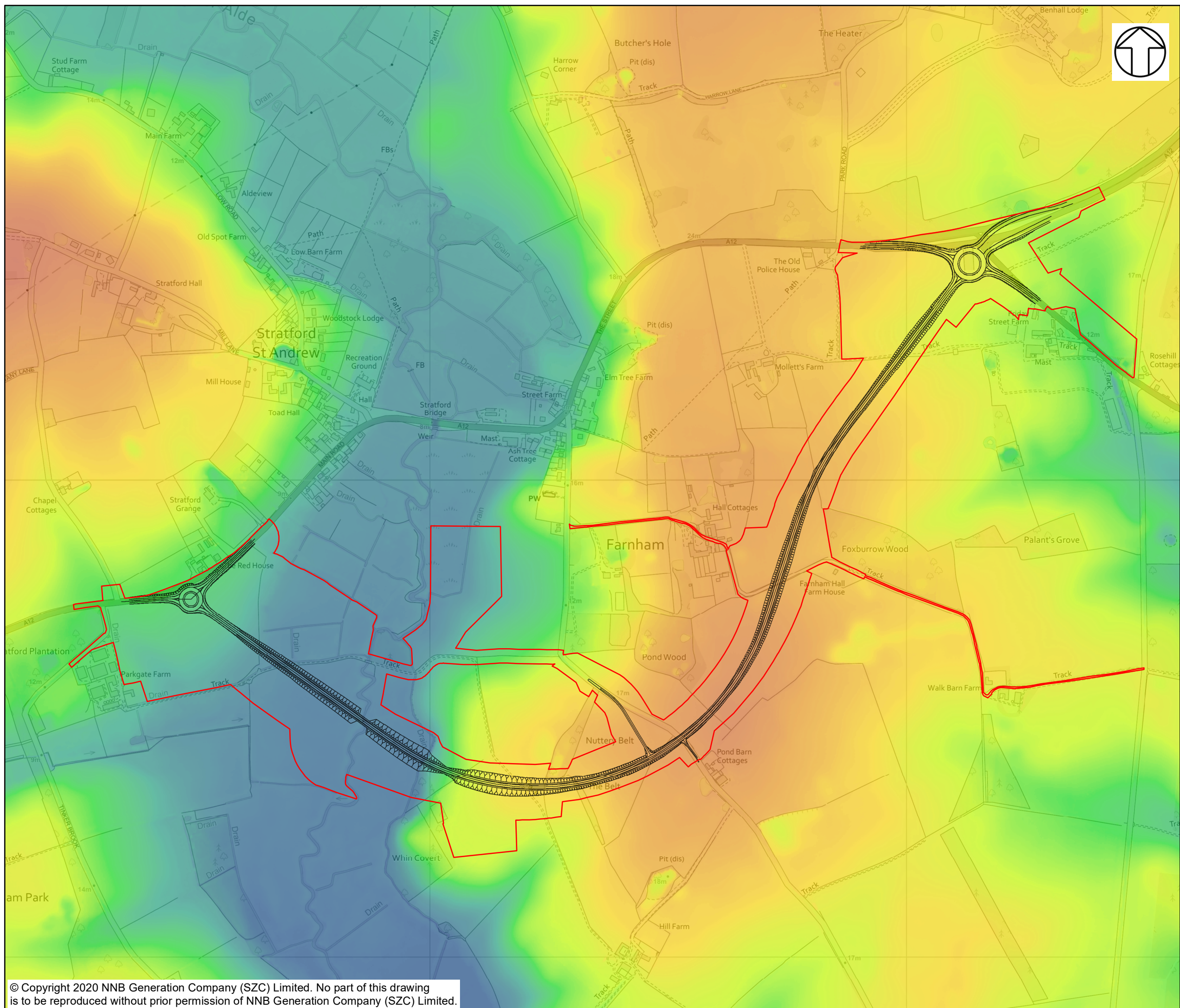
5.5 Two Village Bypass Flood Risk Assessment Figures 1 - 9

Revision: 1.0
Applicable Regulation: Regulation 5(2)(e)
PINS Reference Number: EN010012

May 2020

Planning Act 2008
Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009





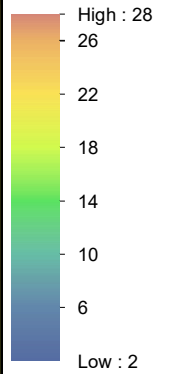
NOTES

KEY

- TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY
- TWO VILLAGE BYPASS ROAD LAYOUT

DIGITAL TERRAIN MODEL (DTM)

ELEVATION (M)



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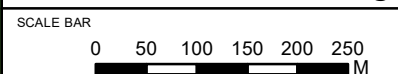


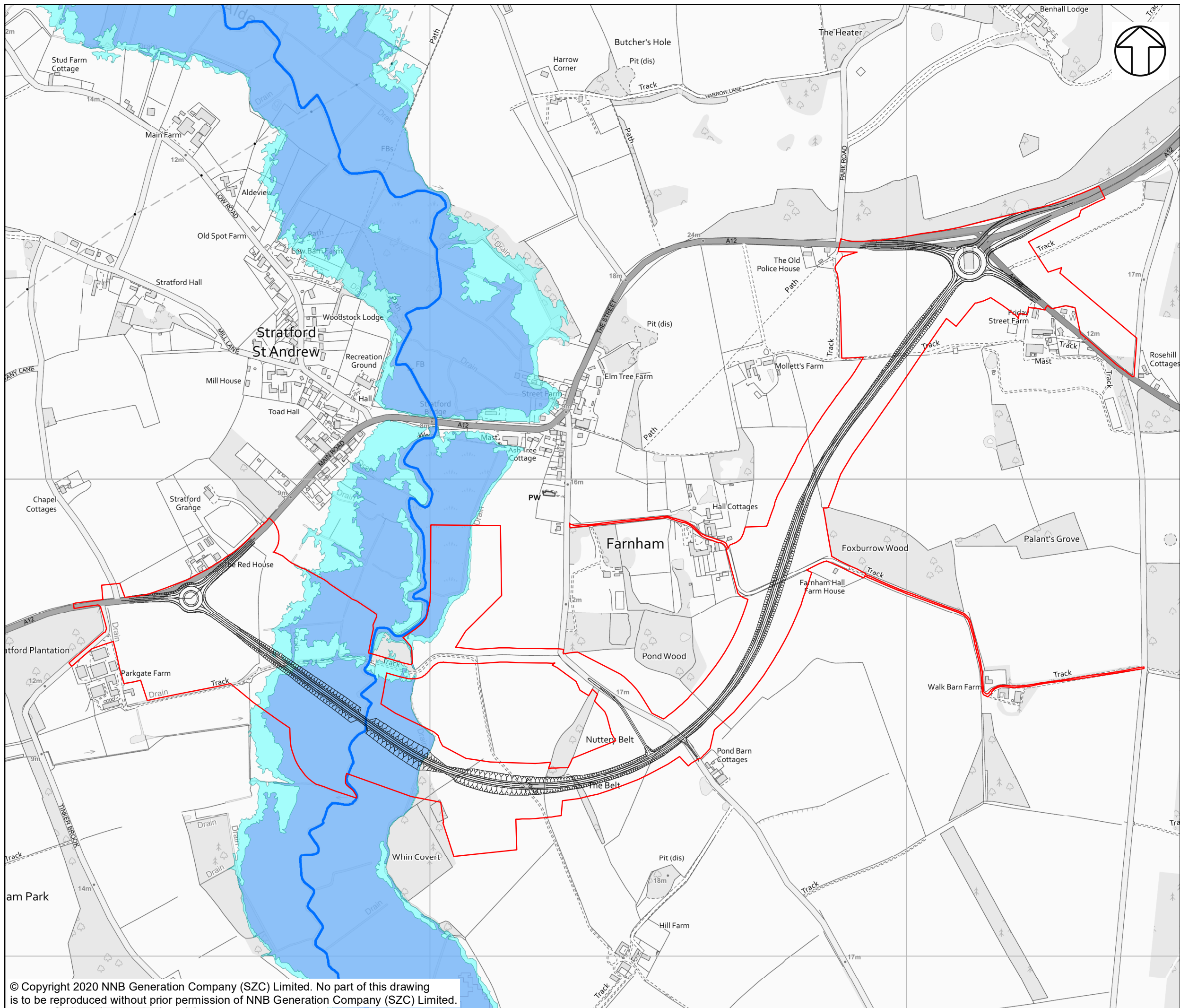
DOCUMENT:
SIZEWELL C
TWO VILLAGE BYPASS
FLOOD RISK ASSESSMENT

DRAWING TITLE:
TOPOGRAPHIC MAP

DRAWING NO:
FIGURE 1

DATE: JAN 2020 DRAWN: P.S. SCALE: 1:7,500 @A3





NOTES

KEY

- TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY
- TWO VILLAGE BYPASS ROAD LAYOUT

ENVIRONMENT AGENCY

- FLOOD ZONE 1
- FLOOD ZONE 2
- FLOOD ZONE 3
- ENVIRONMENT AGENCY MAIN RIVER

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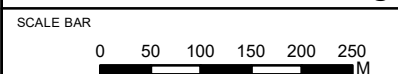


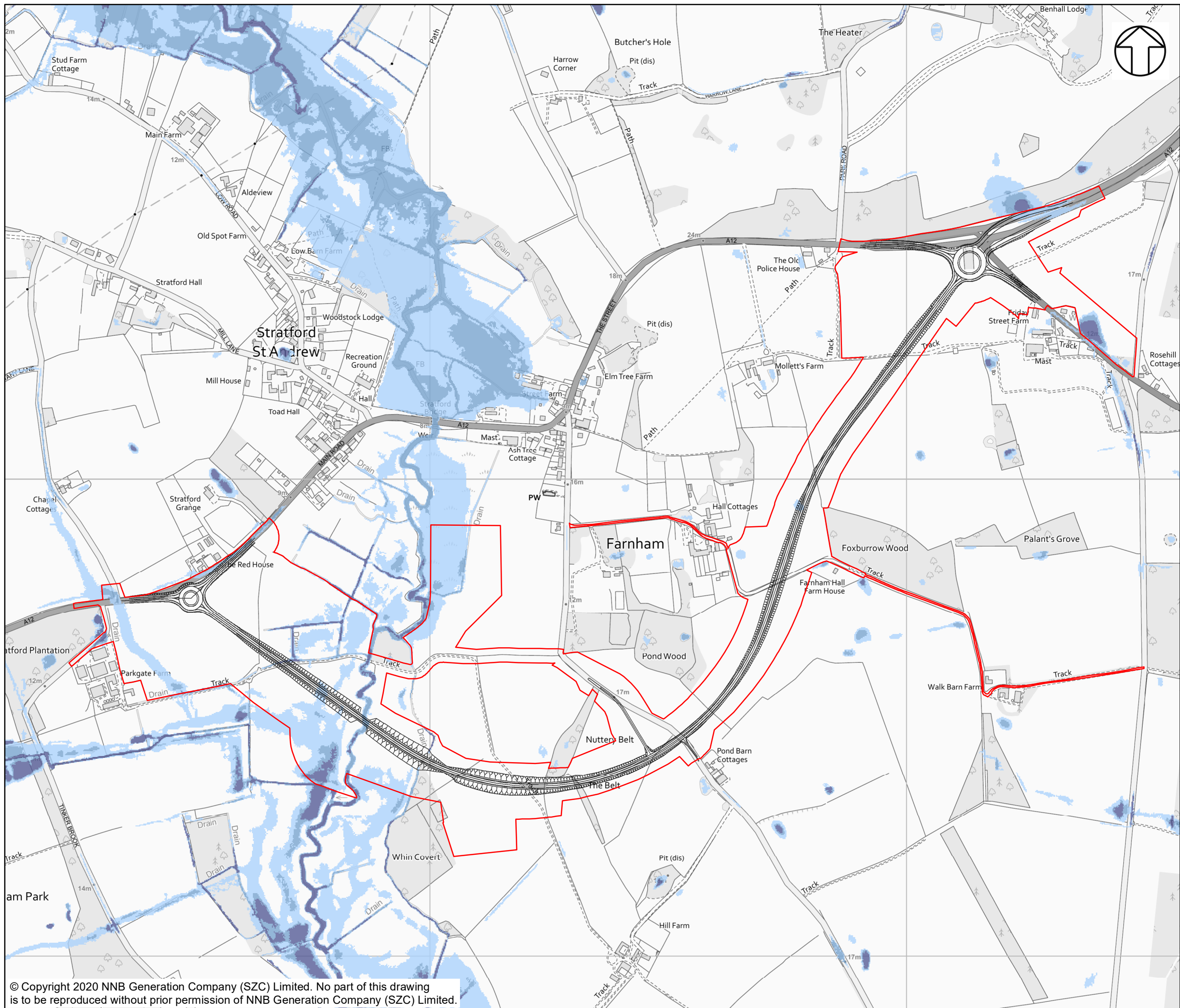
DOCUMENT:
 SIZEWELL C
 TWO VILLAGE BYPASS
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 ENVIRONMENT AGENCY
 FLOOD ZONE MAP

DRAWING NO:
 FIGURE 2

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:7,500 @A3





NOTES

KEY

- TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY
- TWO VILLAGE BYPASS ROAD LAYOUT
- ENVIRONMENT AGENCY RISK OF SURFACE WATER FLOODING**
- HIGH RISK (GREATER THAN 1 IN 30 ANNUAL PROBABILITY OF FLOODING)
- MEDIUM RISK (BETWEEN 1 IN 100 AND 1 IN 30 ANNUAL PROBABILITY OF FLOODING)
- LOW RISK (BETWEEN 1 IN 1,000 AND 1 IN 100 ANNUAL PROBABILITY OF FLOODING)
- VERY LOW RISK (LESS THAN 1 IN 1,000 ANNUAL PROBABILITY OF FLOODING)

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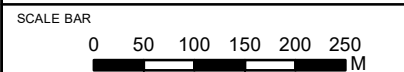


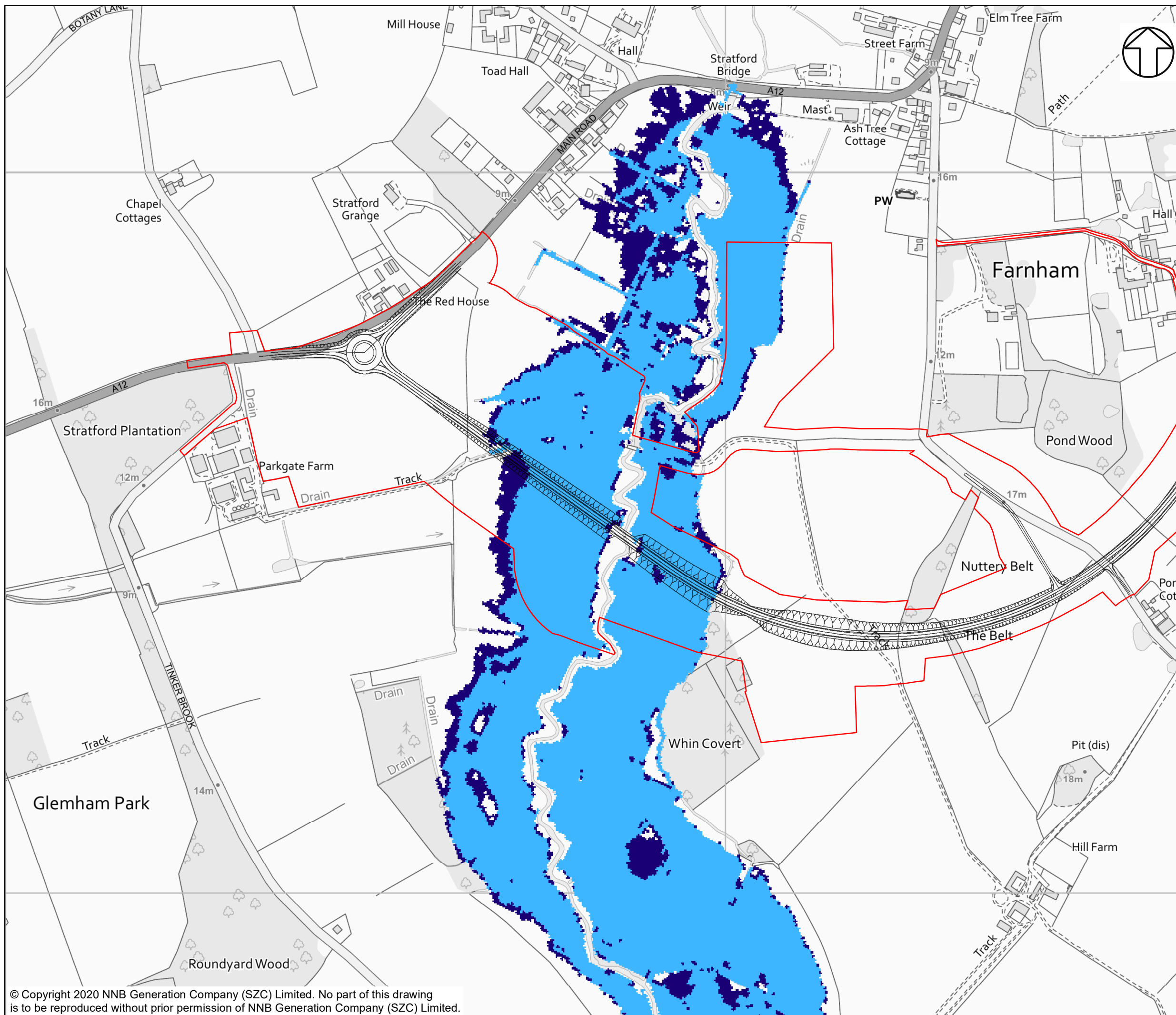
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 SIZEWELL C
 TWO VILLAGE BYPASS
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 ENVIRONMENT AGENCY
 RISK OF SURFACE WATER FLOODING

DRAWING NO:
 FIGURE 3

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:7,500 @A3





NOTES

KEY

- TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY
- TWO VILLAGE BYPASS ROAD LAYOUT
- BASELINE 20YR EVENT FLOOD EXTENT
- BASELINE 100YR EVENT FLOOD EXTENT

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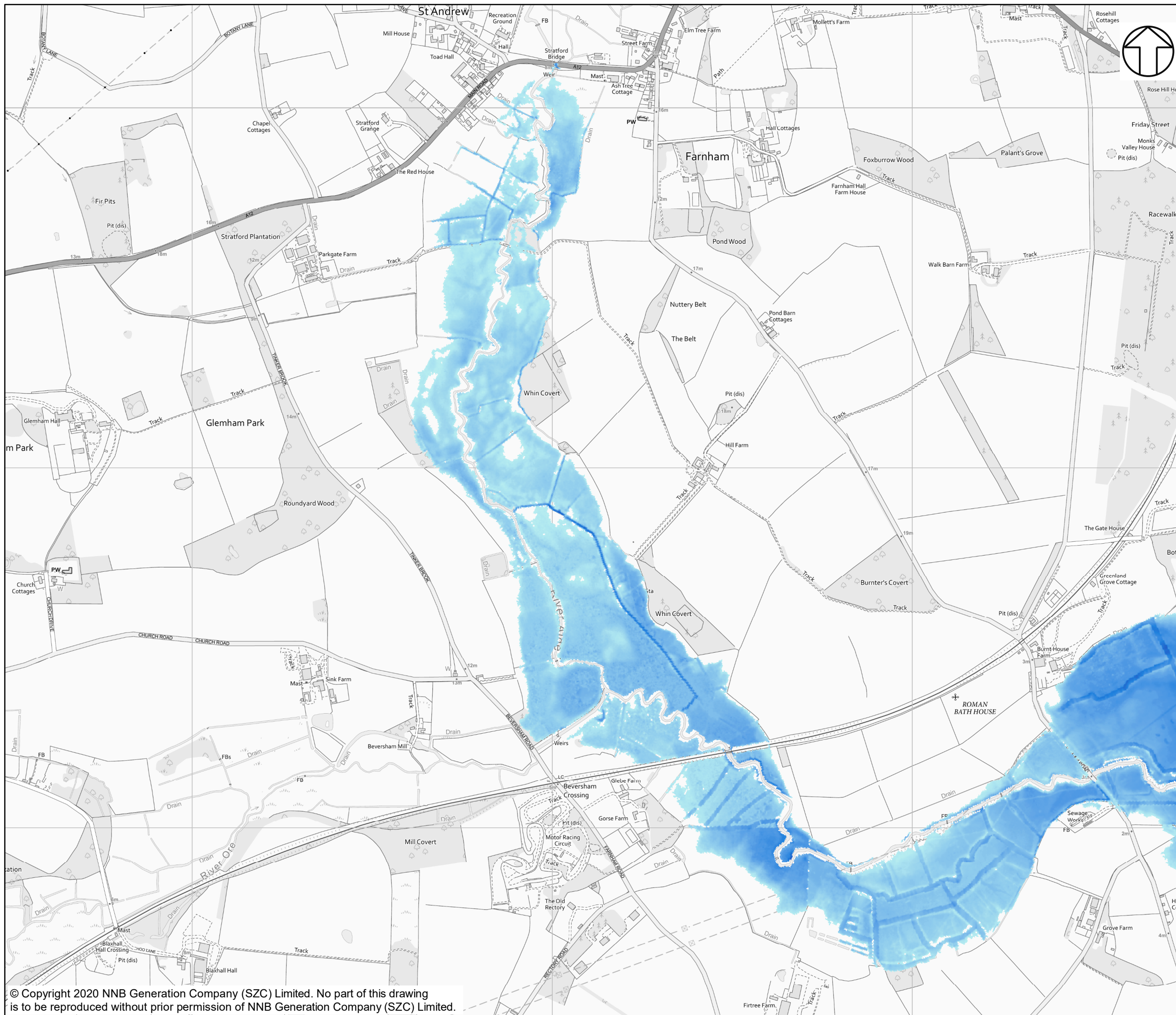
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 SIZEWELL C
 TWO VILLAGE BYPASS
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 FLUVIAL MODELLING BASELINE FLOOD EXTENT
 FOR 1 IN 20-YEAR EVENT (FLOOD ZONE 3B)
 AND 1 IN 100-YEAR EVENT (FLOOD ZONE 3A)

DRAWING NO:
 FIGURE 4

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:5,000 @A3



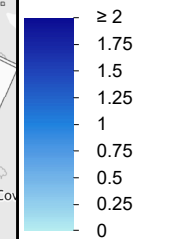


NOTES

KEY

BASELINE 20 YEAR PRESENT DAY

FLOOD DEPTH (M)



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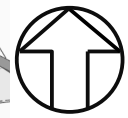
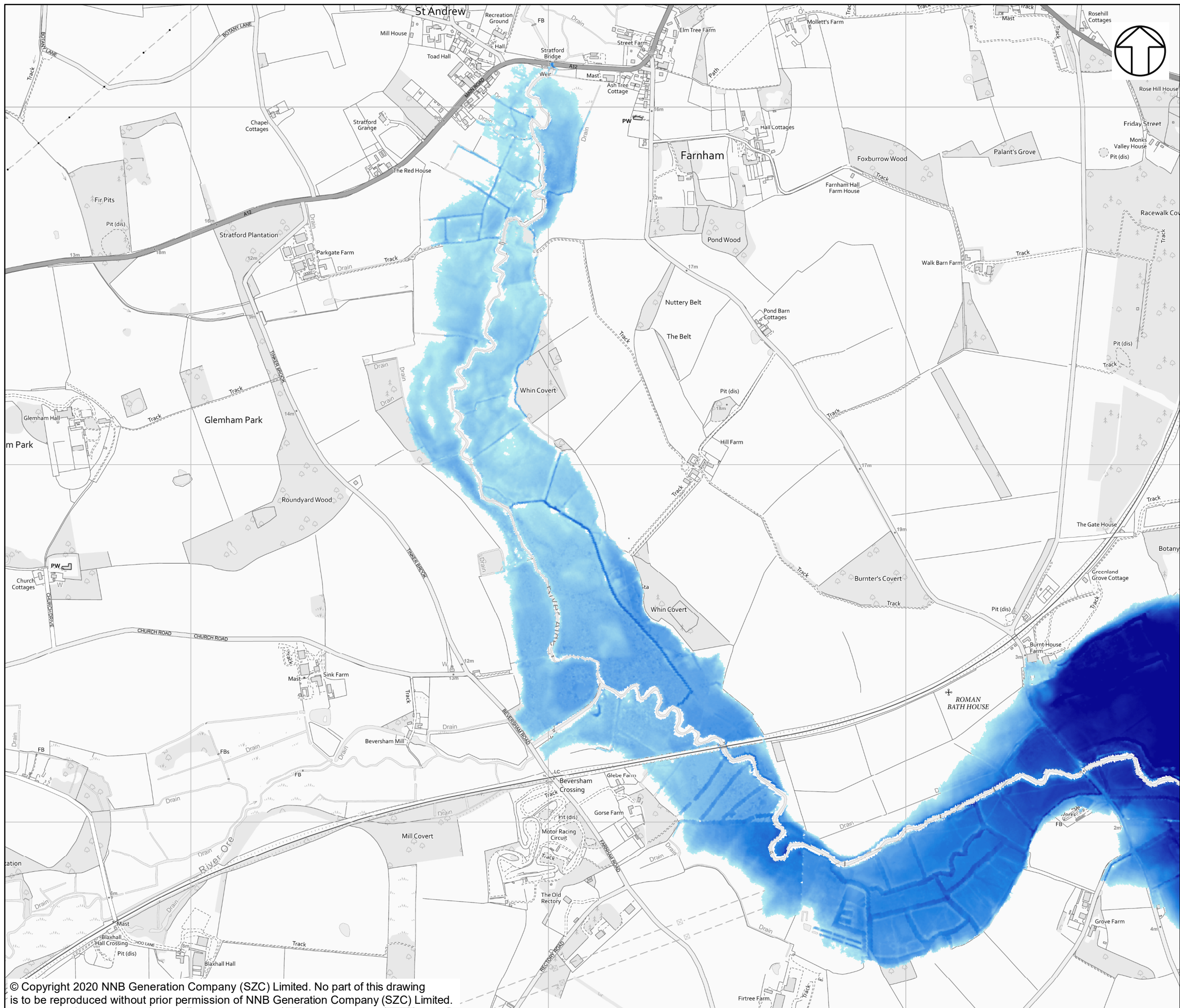
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD DEPTH
FOR 1 IN 20-YEAR EVENT

DRAWING NO:
FIGURE 5

DATE: **JAN 2020** DRAWN: **P.S.** SCALE: **1:10,000 @A3**



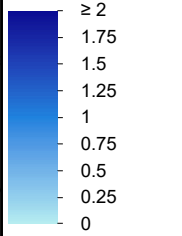


NOTES

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BASELINE 20 YEAR +35%CC

FLOOD DEPTH (M)



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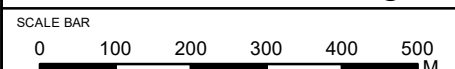
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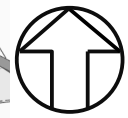
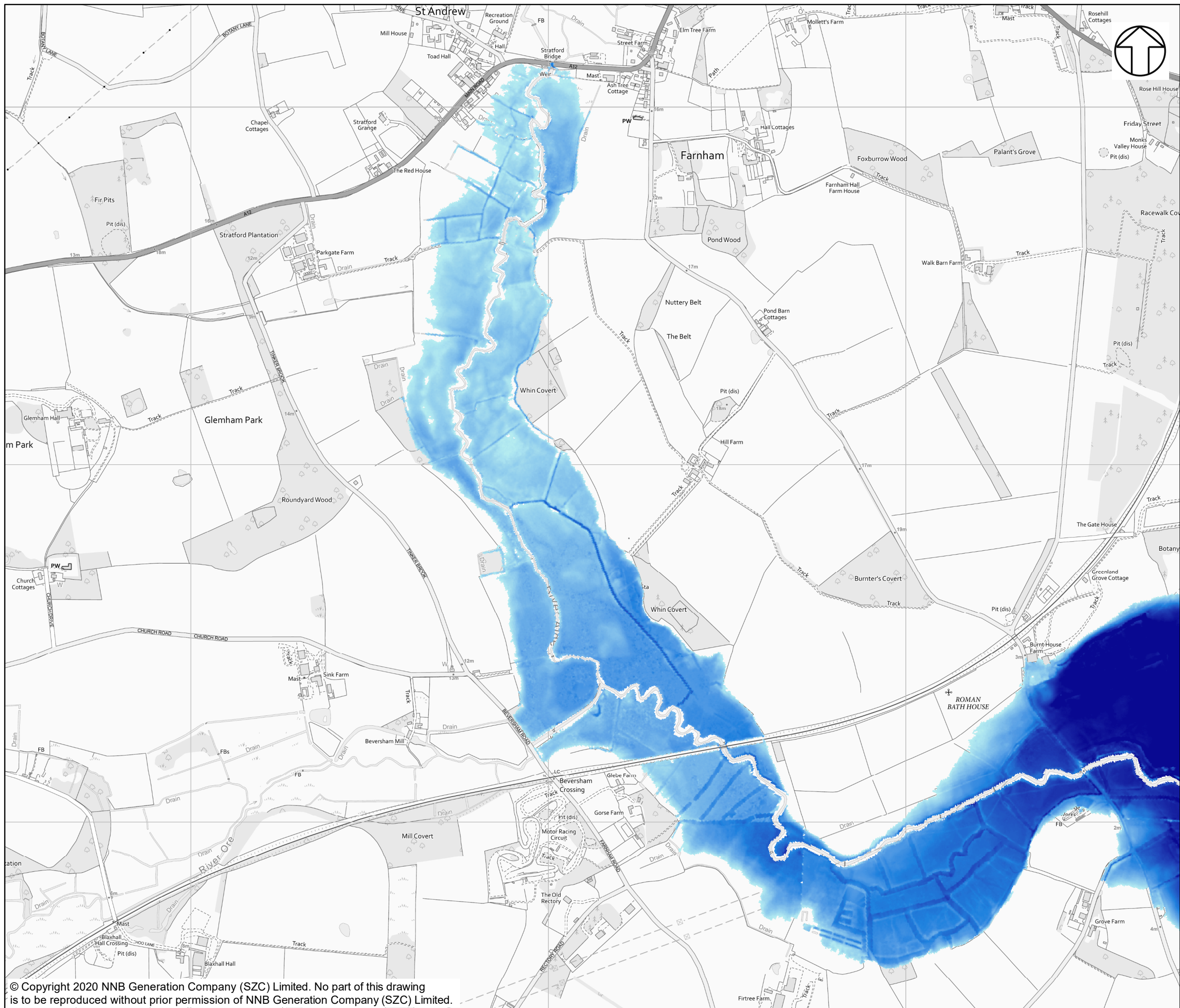
**SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS**

**DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD DEPTH
FOR 1 IN 20-YEAR EVENT WITH 35% FOR
CLIMATE CHANGE ALLOWANCE**

**DRAWING NO:
FIGURE 6**

DATE: JAN 2020 DRAWN: P.S. SCALE: 1:10,000 @A3



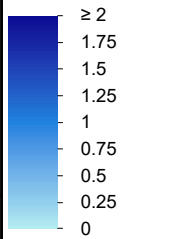


NOTES

KEY

BASELINE 20 YEAR +65%CC

FLOOD DEPTH (M)



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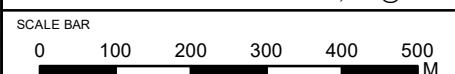


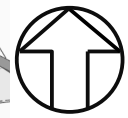
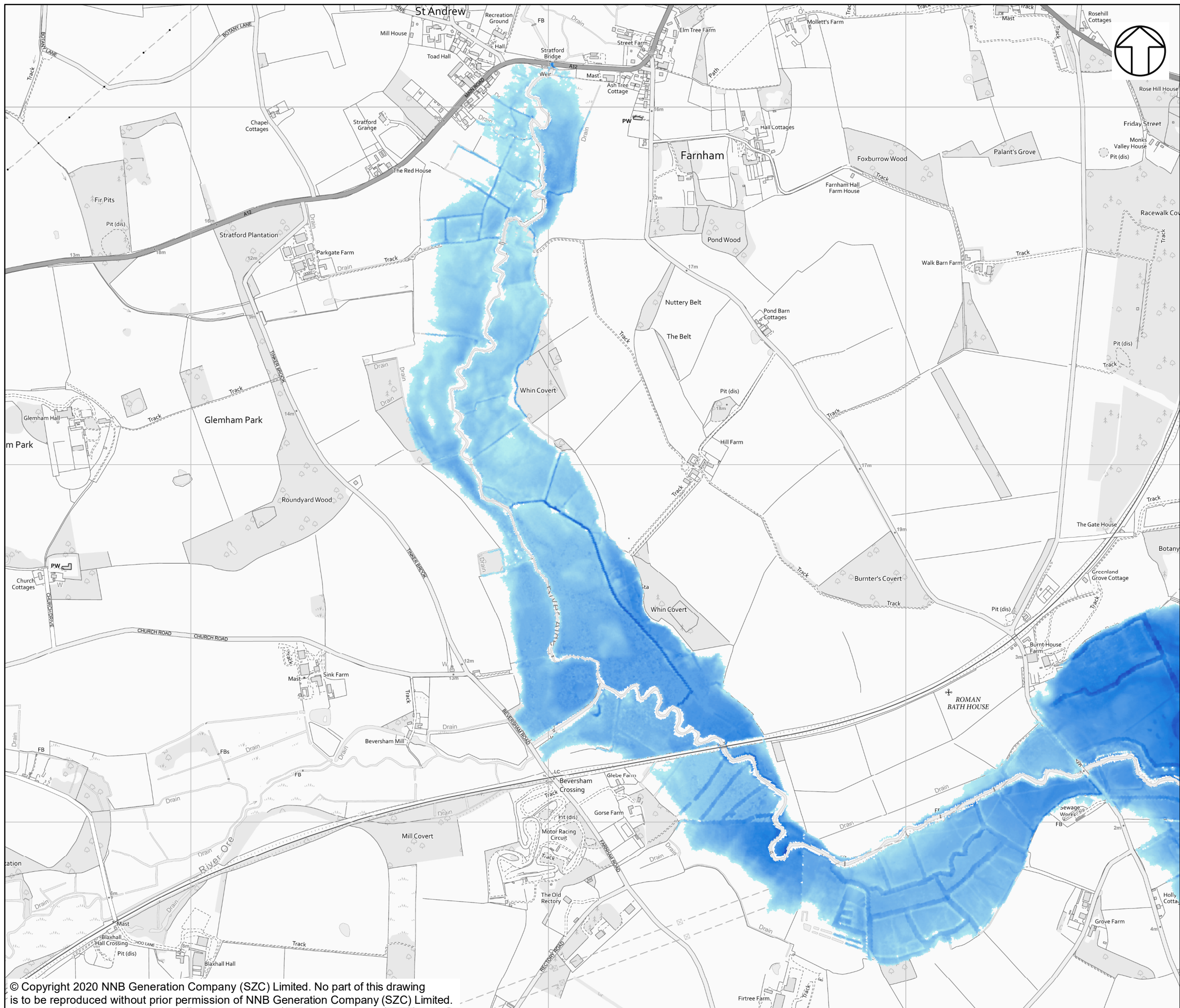
DOCUMENT:
SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD DEPTH
FOR 1 IN 20-YEAR EVENT WITH 65% FOR
CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 7

DATE: **JAN 2020** DRAWN: **P.S.** SCALE: **1:10,000 @A3**



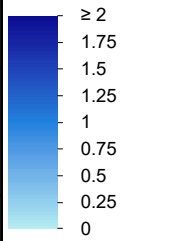


NOTES

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BASELINE 100 YEAR PRESENT DAY

FLOOD DEPTH (M)



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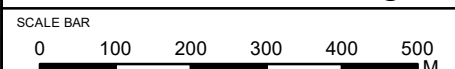


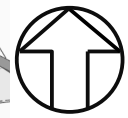
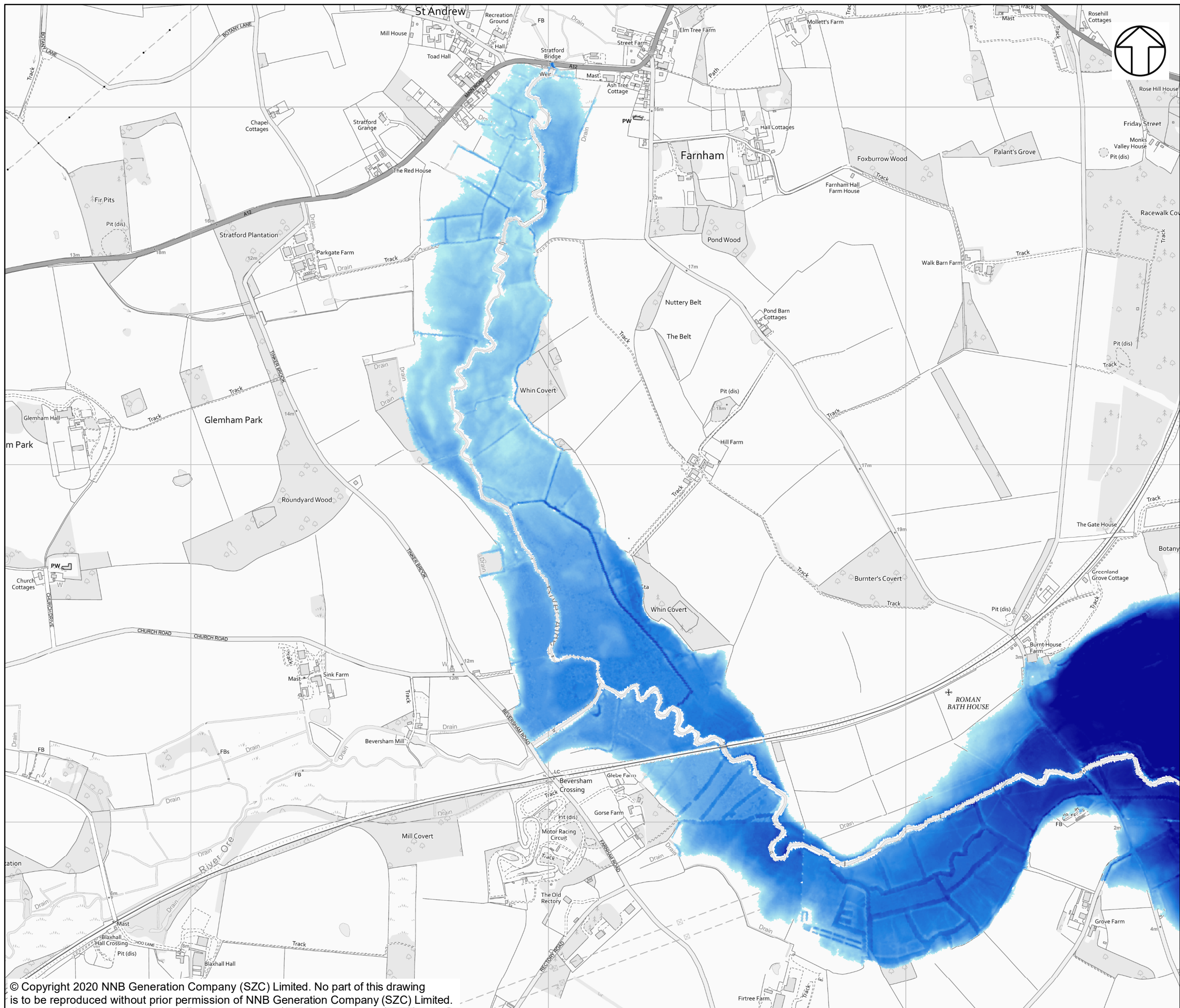
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD DEPTH
FOR 1 IN 100-YEAR EVENT

DRAWING NO:
FIGURE 8

DATE: **JAN 2020** DRAWN: **P.S.** SCALE: **1:10,000 @A3**



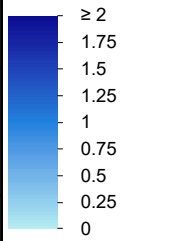


NOTES

KEY

BASELINE 100 YEAR +35CC

FLOOD DEPTH (M)



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DOCUMENT:

**SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS**

DRAWING TITLE:

**FLUVIAL MODELLING BASELINE FLOOD DEPTH
FOR 1 IN 100-YEAR EVENT WITH 35% FOR
CLIMATE CHANGE ALLOWANCE**

DRAWING NO:

FIGURE 9

DATE:
JAN 2020

DRAWN:
P.S.

SCALE:
1:10,000 @A3

SCALE BAR

