



The Sizewell C Project

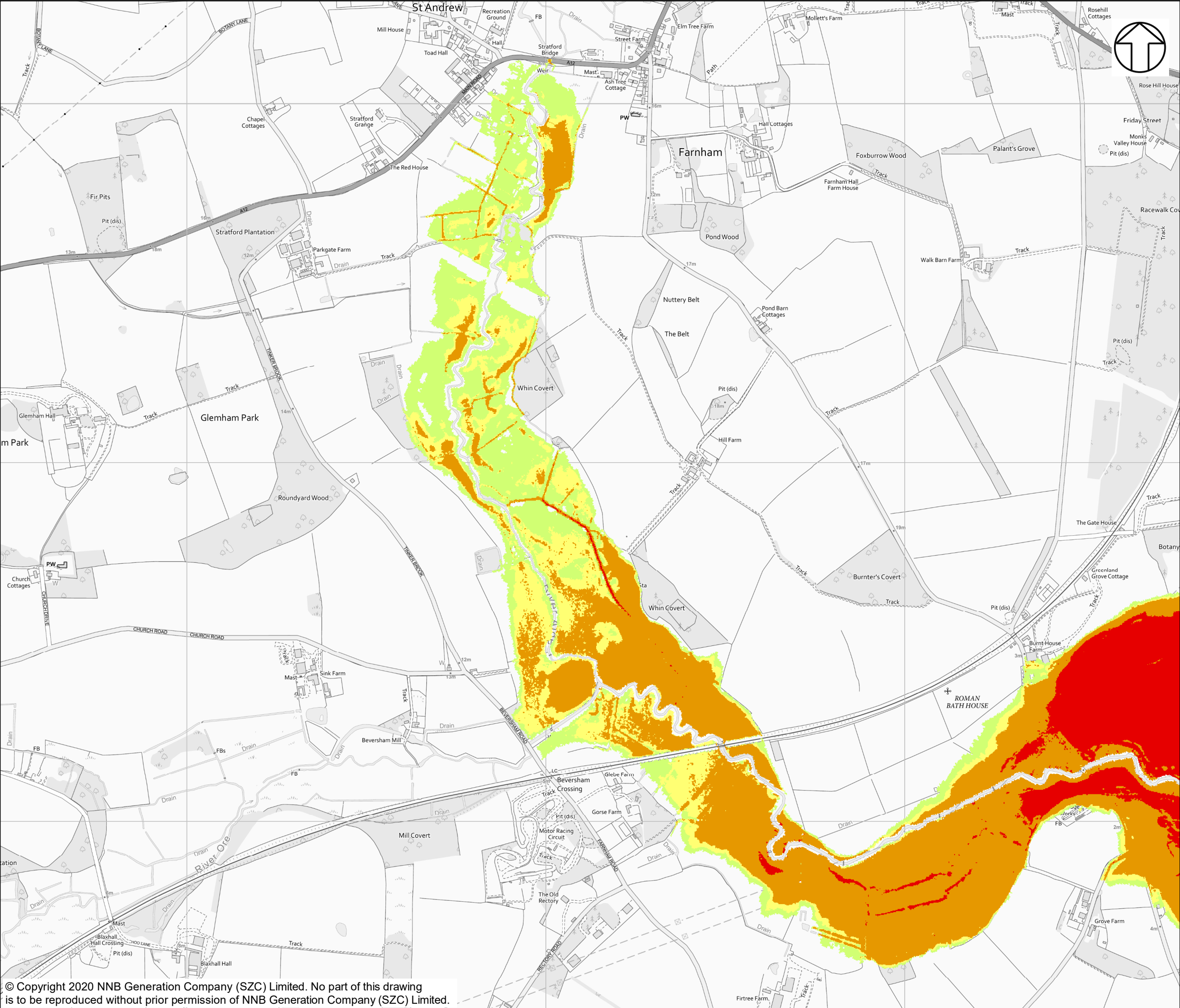
5.5 Two Village Bypass Flood Risk Assessment Figures 51 - 60

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

WITH SCHEME 20 YEAR +35CC

FLOOD HAZARD

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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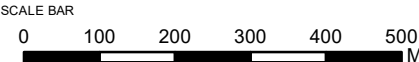


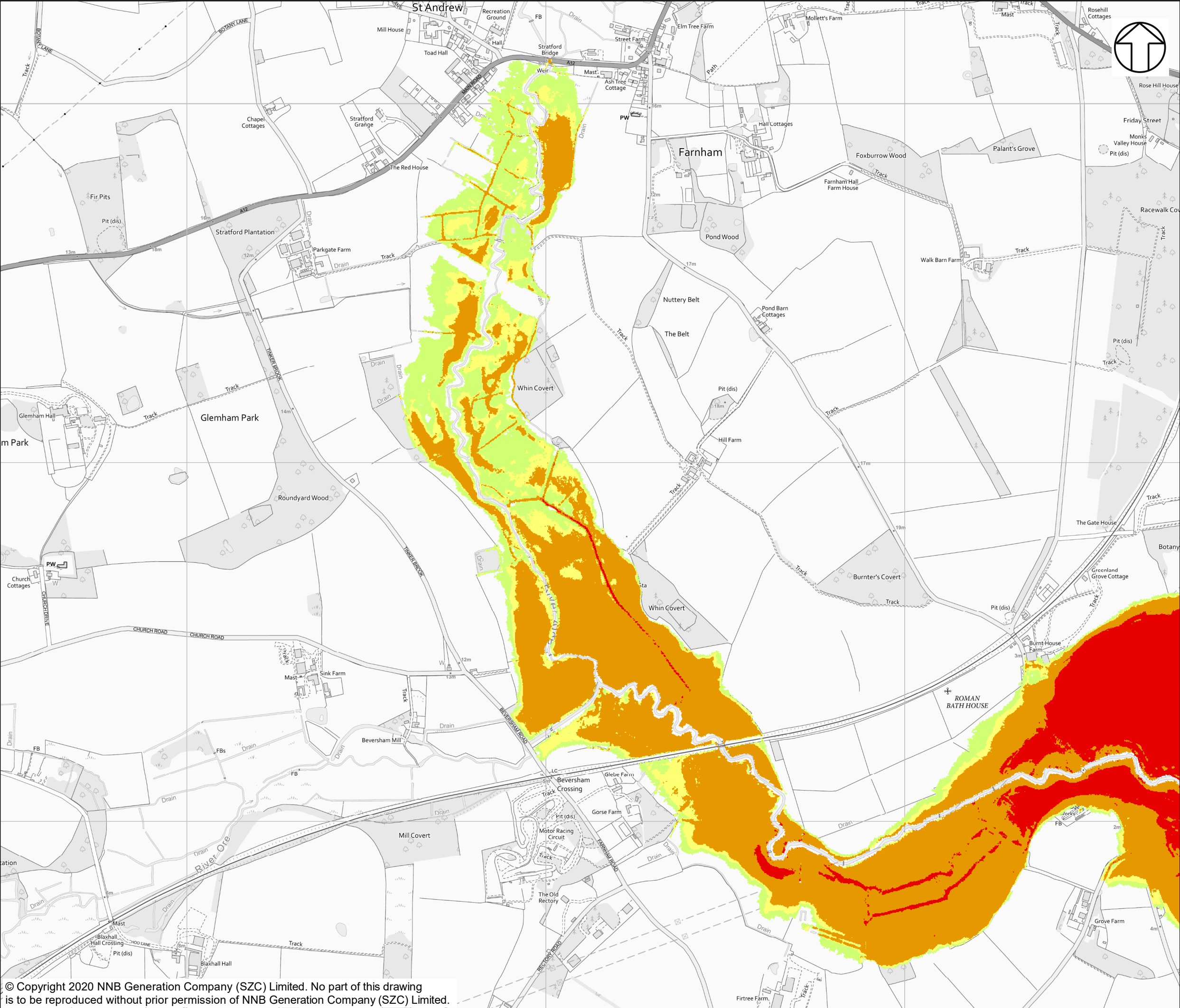
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING WITH SCHEME FLOOD
HAZARD FOR 1 IN 20-YEAR EVENT WITH 35% FOR
CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 51

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





NOTES

KEY

WITH SCHEME 20 YEAR +65CC

FLOOD HAZARD

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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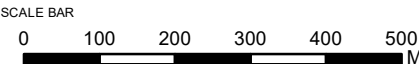


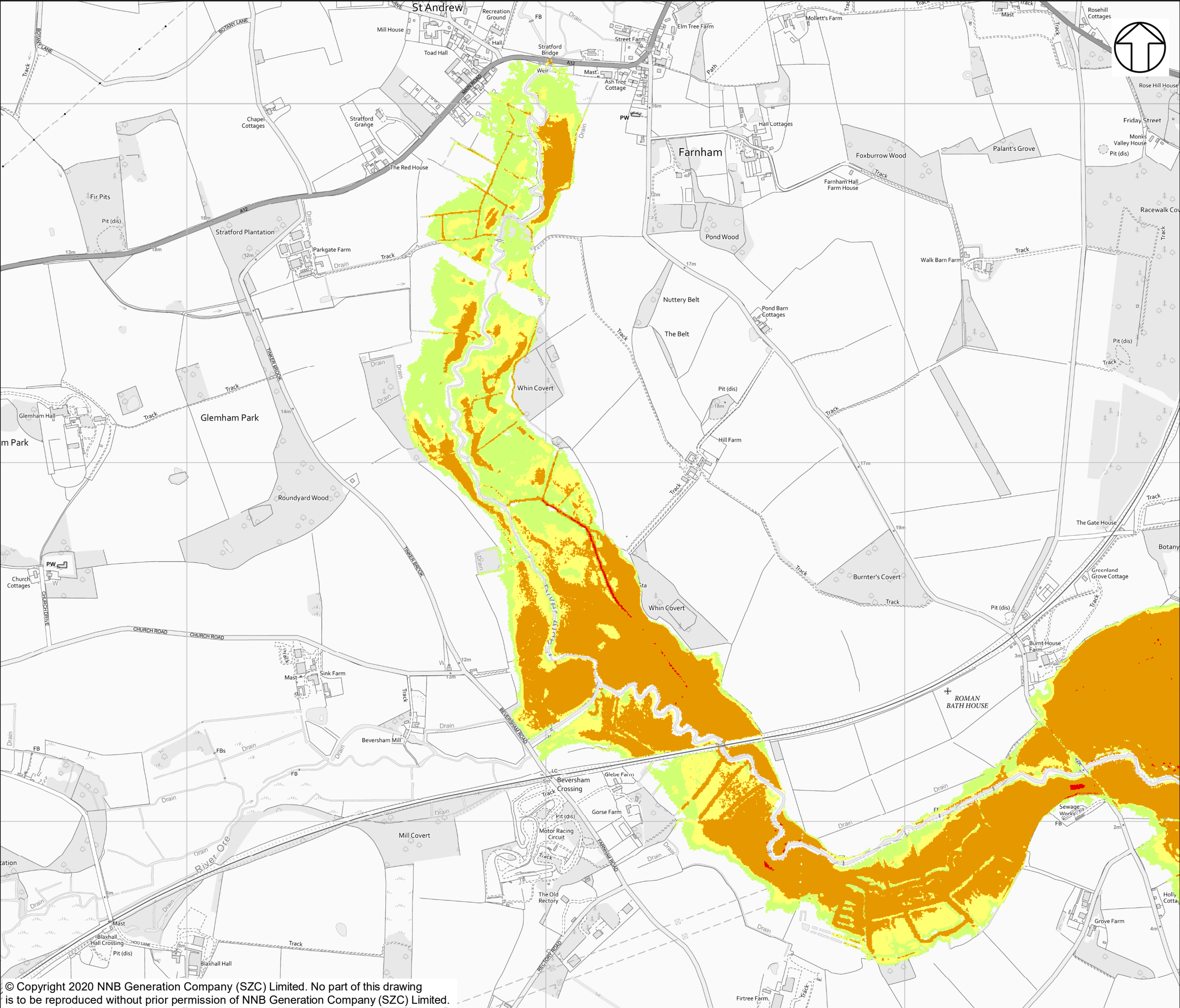
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

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

DRAWING NO:
FIGURE 52

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





NOTES

KEY
WITH SCHEME 100 YEAR PRESENT DAY

- FLOOD HAZARD**
- LESS THAN 0.75
(LOW HAZARD)
 - BETWEEN 0.75 AND 1.25
(DANGER FOR SOME)
 - BETWEEN 1.25 AND 2.0
(DANGER FOR MOST)
 - GREATER THAN 2.0
(DANGER FOR ALL)

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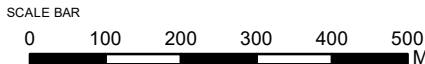


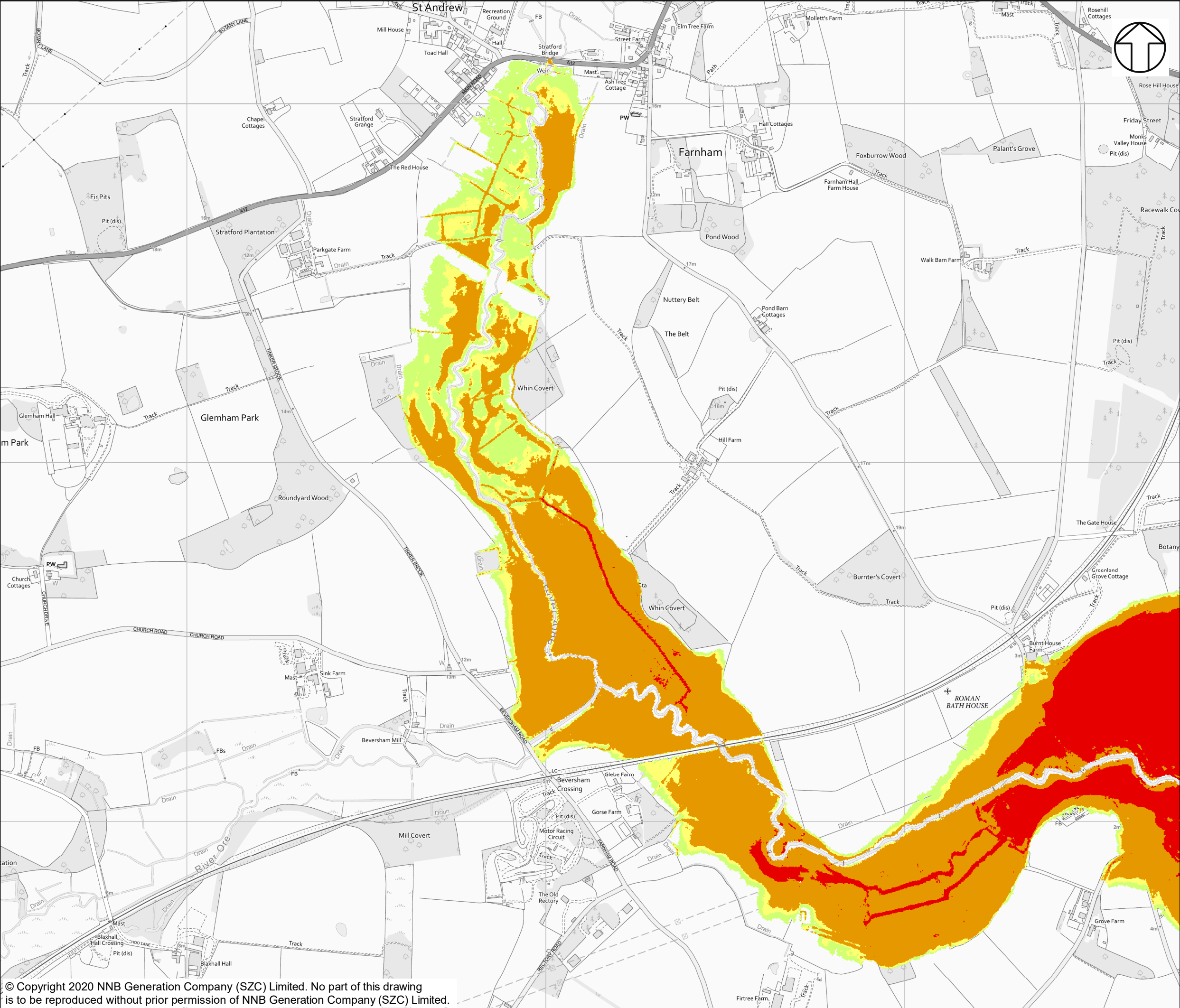
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING WITH SCHEME FLOOD
HAZARD FOR 1 IN 100-YEAR EVENT

DRAWING NO:
FIGURE 53

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





NOTES

KEY
WITH SCHEME 100 YEAR +35CC

- FLOOD HAZARD
- LESS THAN 0.75 (LOW HAZARD)
 - BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
 - BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
 - GREATER THAN 2.0 (DANGER FOR ALL)

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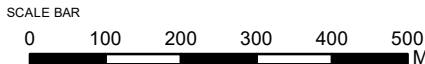


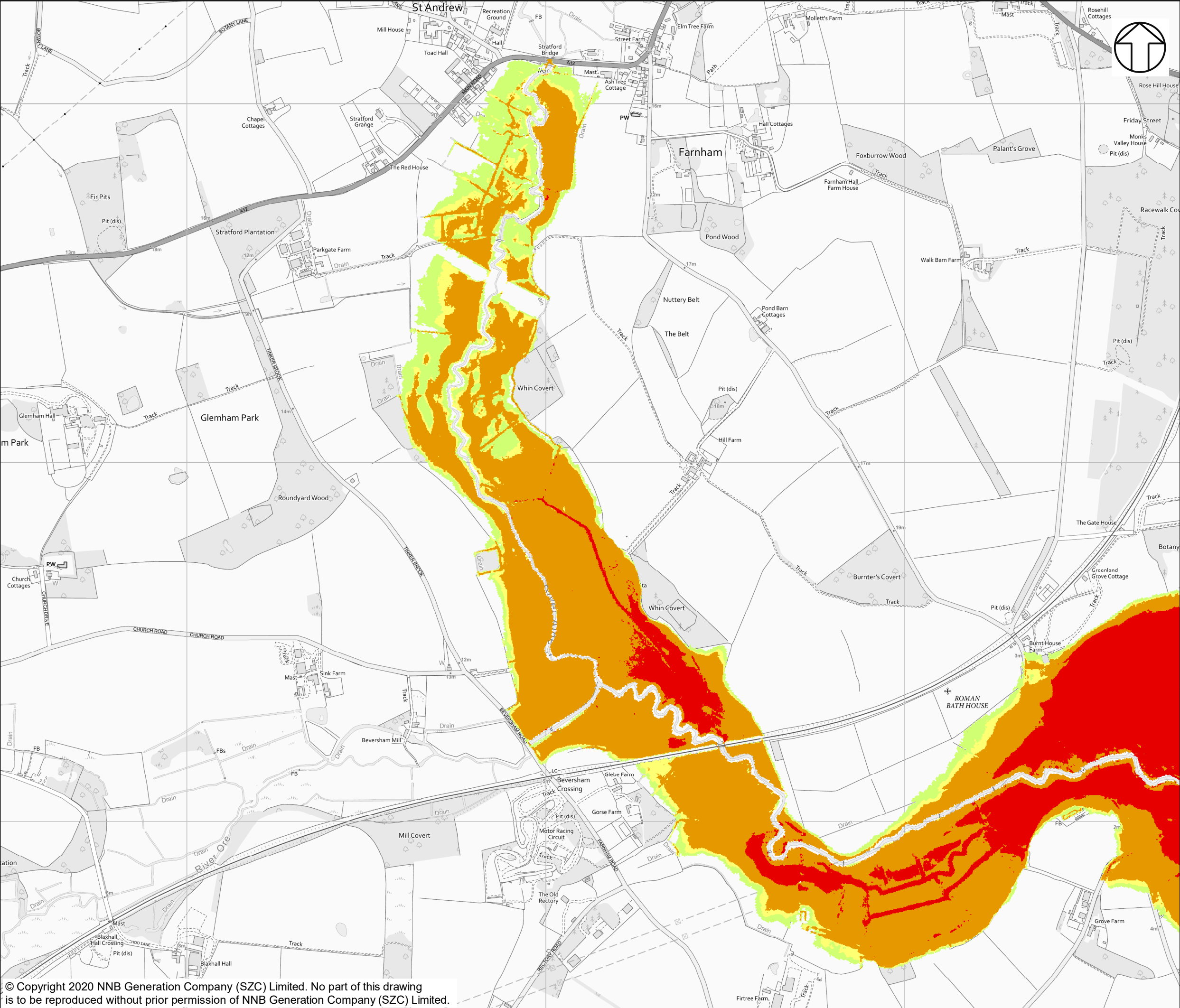
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING WITH SCHEME FLOOD
HAZARD FOR 1 IN 100-YEAR EVENT WITH 35%
FOR CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 54

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





NOTES

KEY

WITH SCHEME 100 YEAR +65CC

FLOOD HAZARD

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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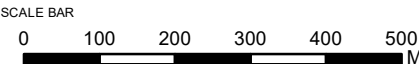


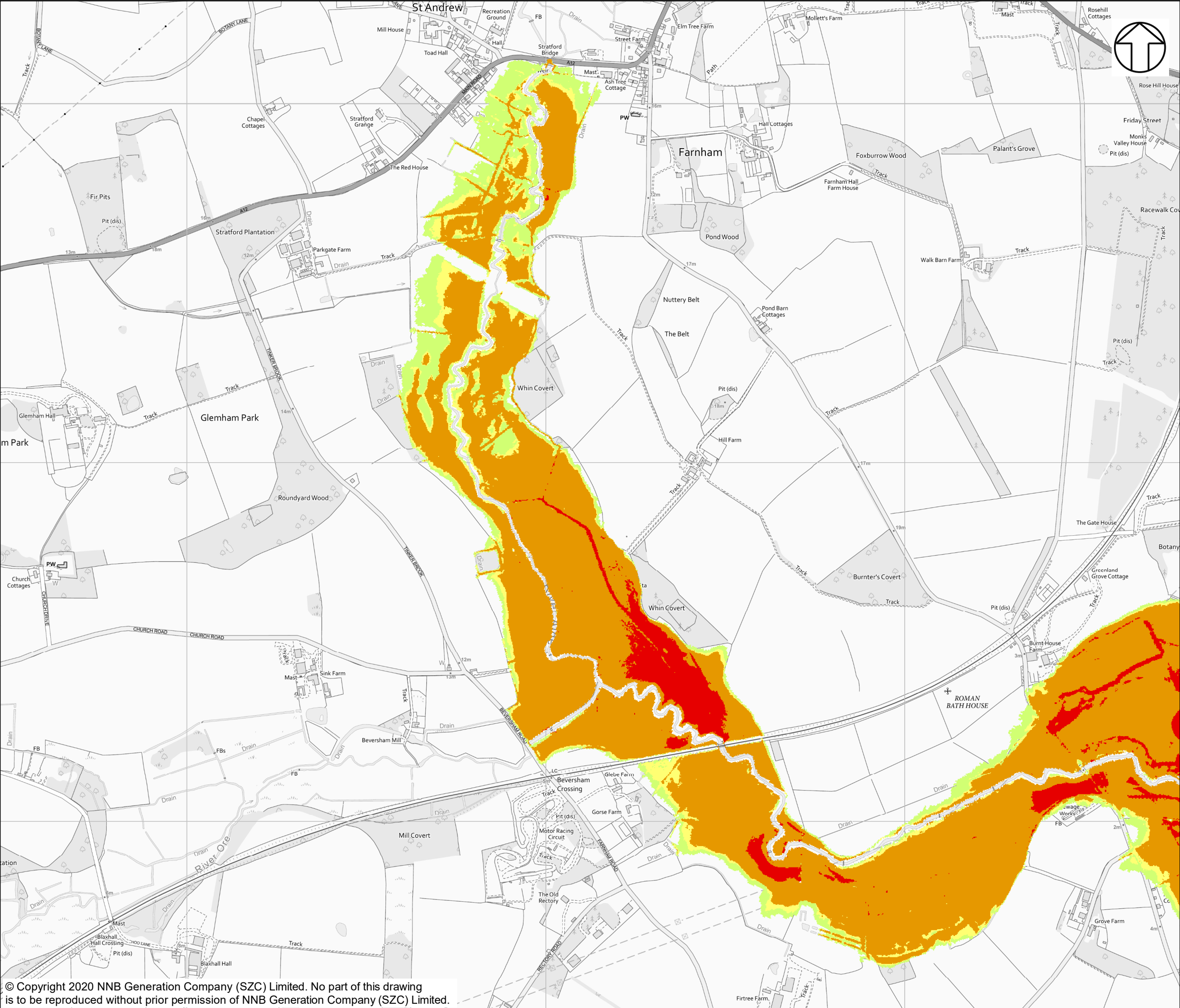
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING WITH SCHEME FLOOD
HAZARD FOR 1 IN 100-YEAR EVENT WITH 65%
FOR CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 55

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





NOTES

KEY

WITH SCHEME 1000 YEAR PRESENT DAY

FLOOD HAZARD

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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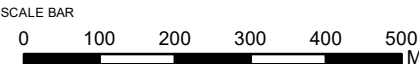


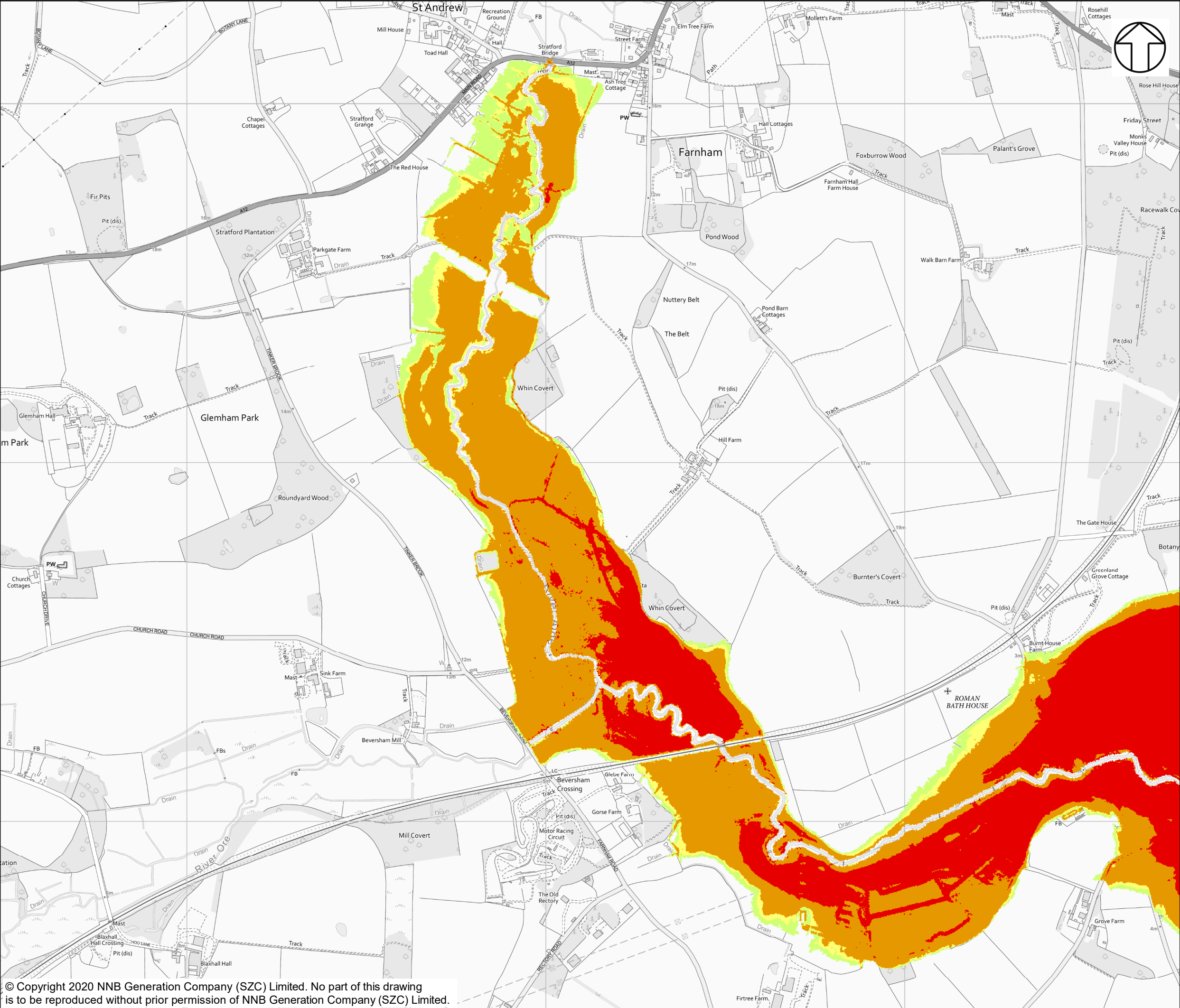
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING WITH SCHEME FLOOD
HAZARD FOR 1 IN 1,000-YEAR EVENT

DRAWING NO:
FIGURE 56

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





NOTES

KEY

WITH SCHEME 1000 YEAR +35CC

FLOOD HAZARD

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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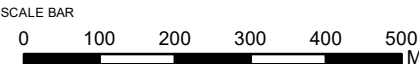


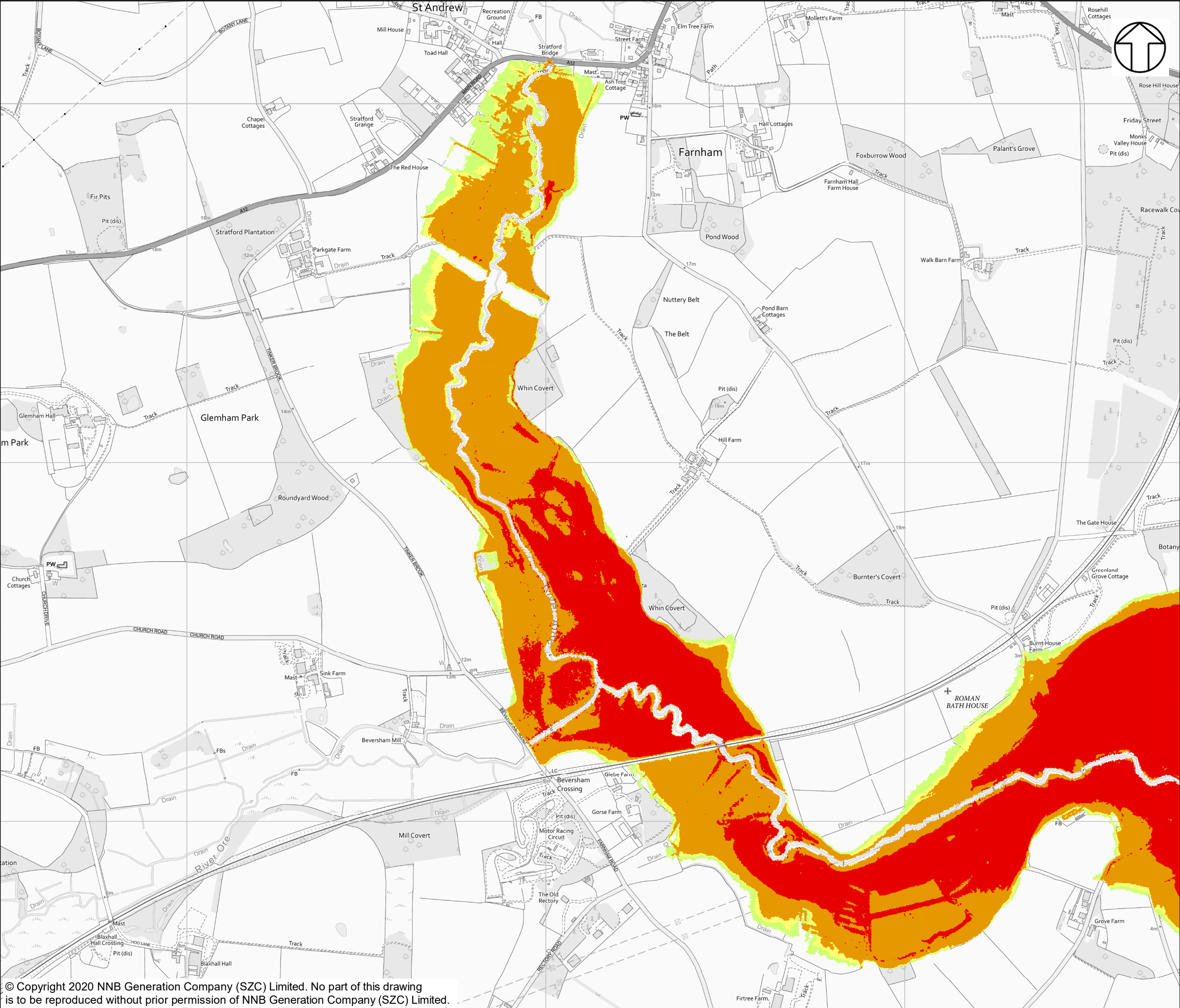
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING WITH SCHEME FLOOD
HAZARD FOR 1 IN 1,000-YEAR EVENT WITH 35%
FOR CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 57

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





NOTES

KEY

WITH SCHEME 1000 YEAR +65CC

FLOOD HAZARD

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
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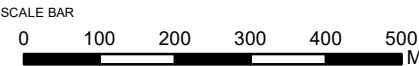


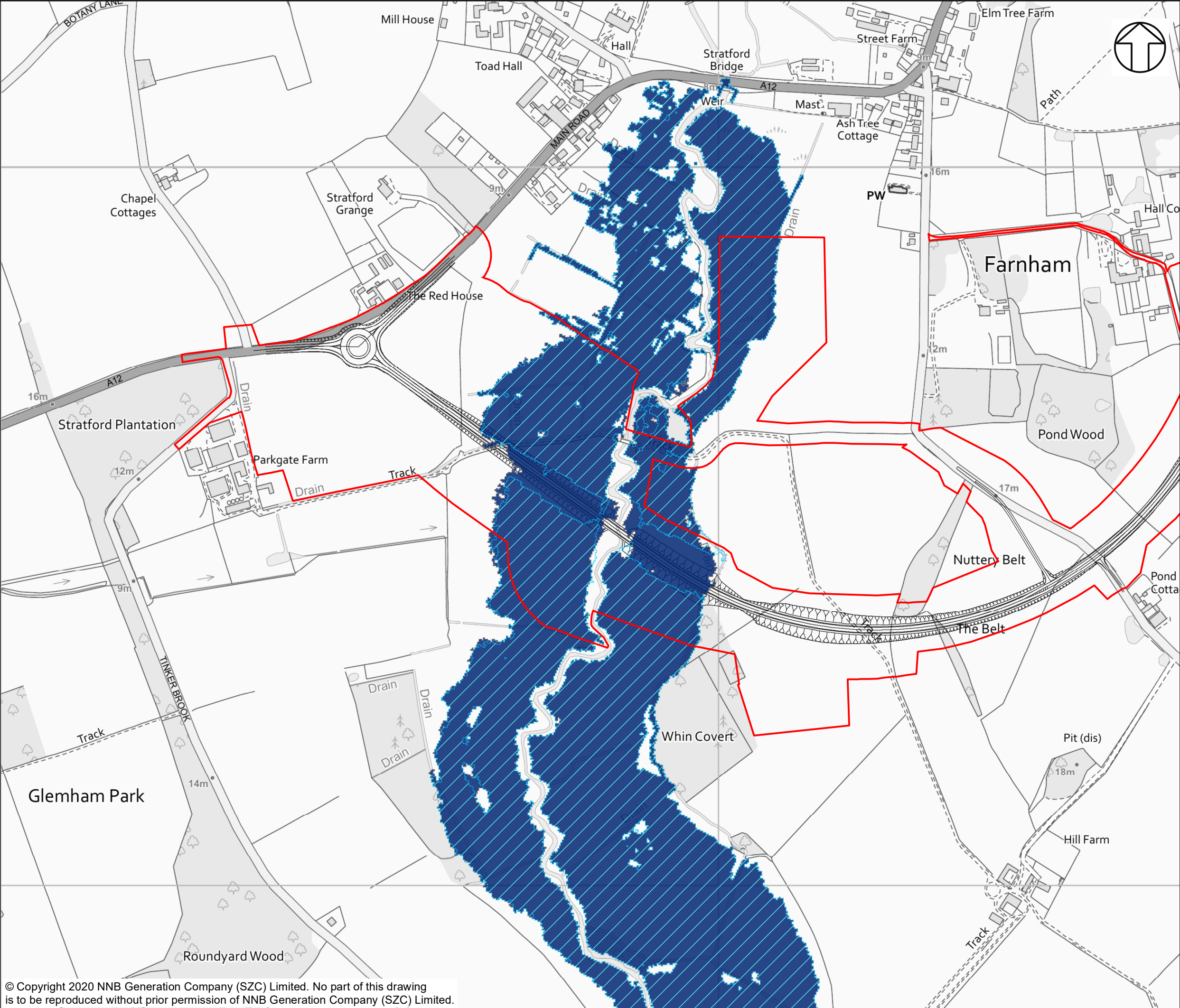
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TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING WITH SCHEME FLOOD
HAZARD FOR 1 IN 1,000-YEAR EVENT WITH 65%
FOR CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 58

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





NOTES

KEY

- TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY
- TWO VILLAGE BYPASS ROAD LAYOUT
- WITH SCHEME 20YR +35% CC EVENT FLOOD EXTENT
- BASELINE 20YR +35% CC EVENT FLOOD EXTENT

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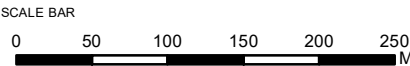


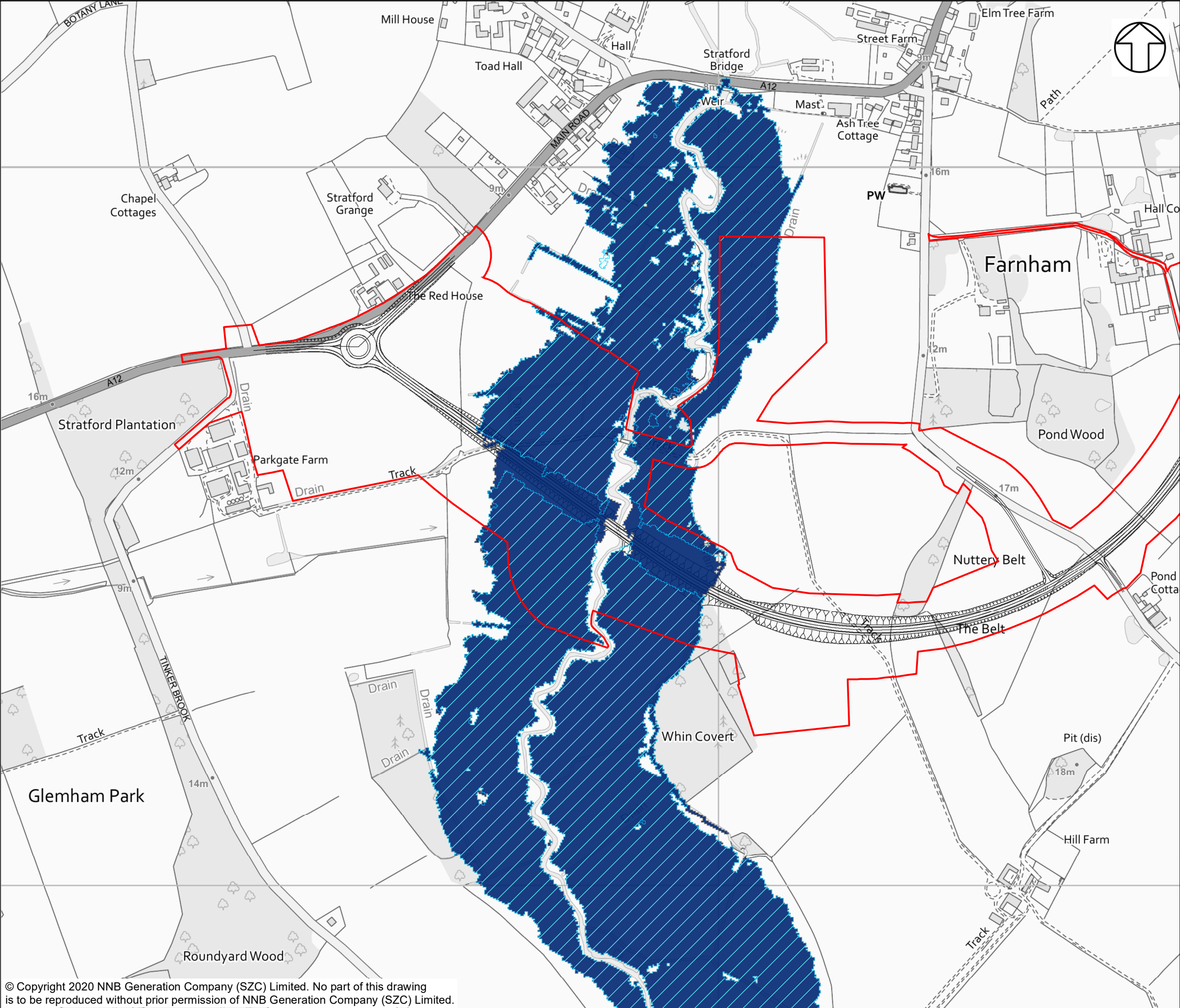
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SIZEWELL C
TWO VILLAGE BYPASS
FLOOD RISK ASSESSMENT

DRAWING TITLE:
FLUVIAL MODELLING DIFFERENCE BETWEEN
BASELINE AND WITH SCHEME FLOOD EXTENT
FOR 1 IN 20-YEAR EVENT WITH 35%
FOR CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 59

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





NOTES

KEY

- TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY
- TWO VILLAGE BYPASS ROAD LAYOUT
- WITH SCHEME 20YR +65%CC EVENT FLOOD EXTENT
- BASELINE 20YR +65%CC EVENT FLOOD EXTENT

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DOCUMENT:
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FLOOD RISK ASSESSMENT

DRAWING TITLE:
FLUVIAL MODELLING DIFFERENCE BETWEEN
BASELINE AND WITH SCHEME FLOOD EXTENT
FOR 1 IN 20-YEAR EVENT WITH 65%
FOR CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 60

DATE: FEB 2020 DRAWN: E.H. SCALE: 1:5,000 @A3

