



The Sizewell C Project

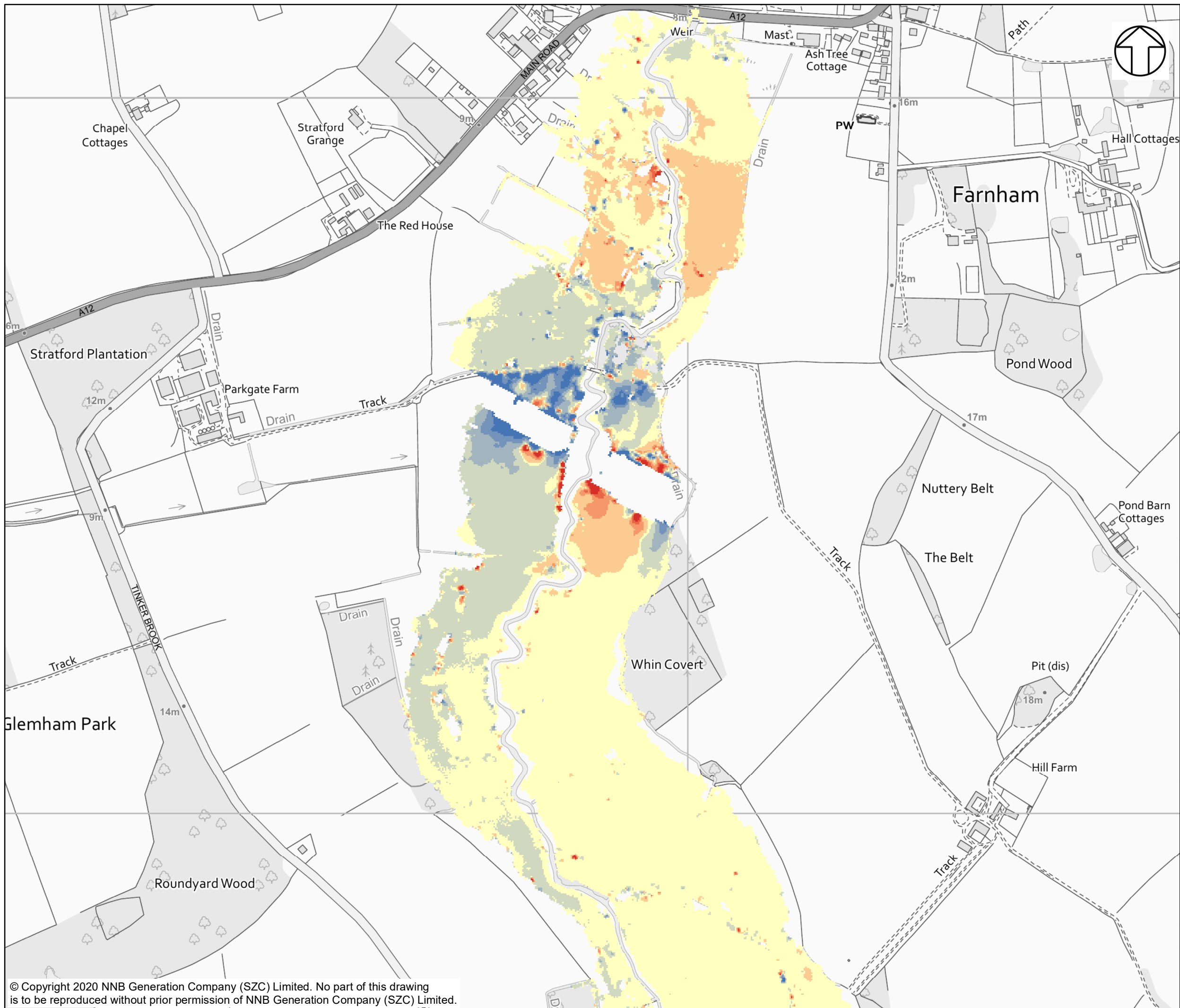
5.5 Two Village Bypass Flood Risk Assessment Appendix A Two Village Bypass Modelling Report - Appendix C Part 2 of 2

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

DIFFERENCE 100 YEAR PRESENT DAY

DIFFERENCE IN FLOOD VELOCITY (m/s)

- 0.15 - 0.95
- 0.1 - 0.15
- 0.05 - 0.1
- 0.01 - 0.05
- 0
- 0.05 - -0.01
- 0.01 - -0.05
- 0.15 - -0.1
- 0.8 - -0.15



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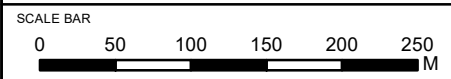


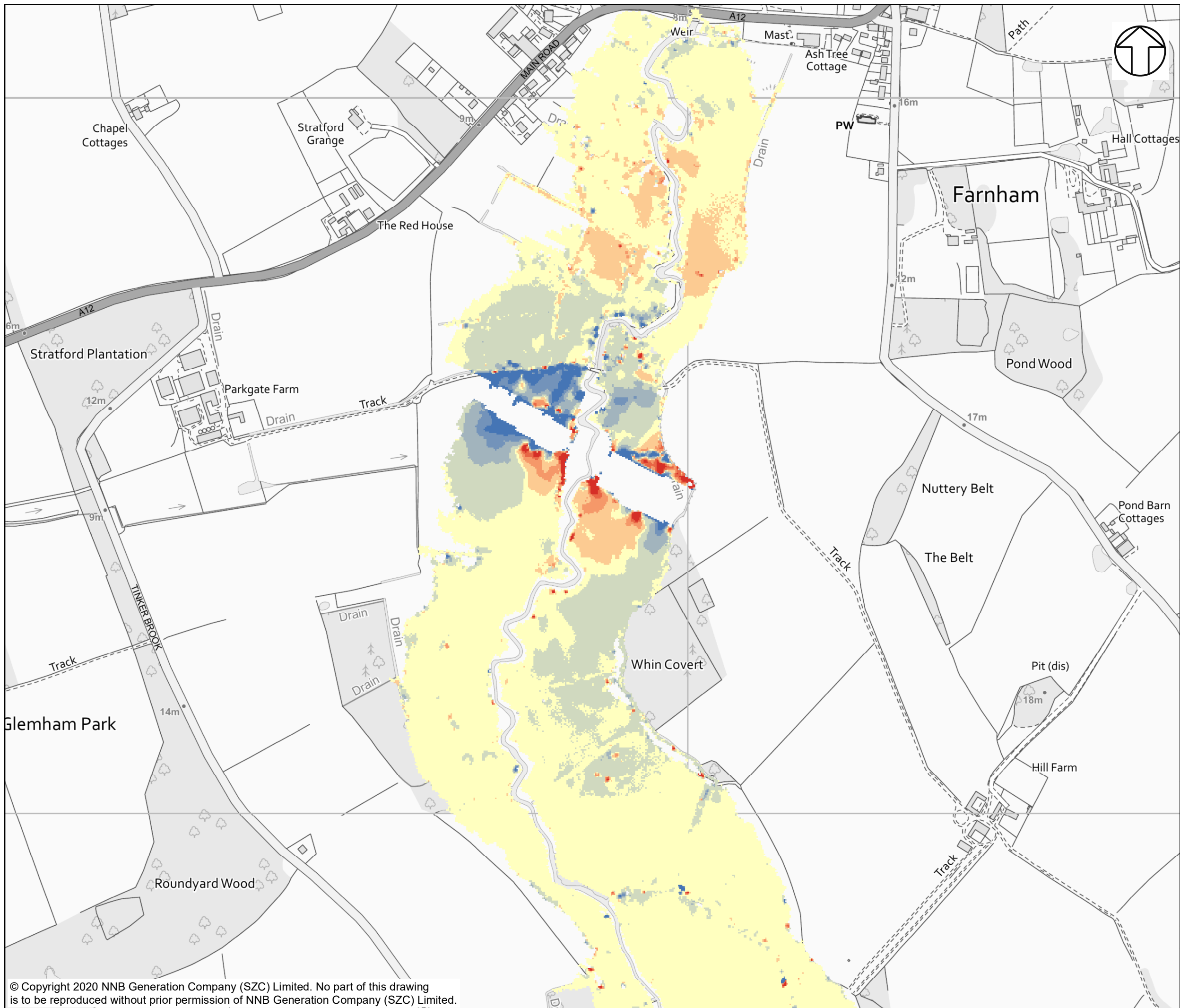
DOCUMENT:
 SIZEWELL C
 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN FLOOD VELOCITY BASELINE
 100 YEAR PRESENT DAY VS WITH SCHEME
 100 YEAR PRESENT DAY

DRAWING NO:
 FIGURE C.19

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





NOTES

KEY

DIFFERENCE 100 YEAR +35%CC

DIFFERENCE IN FLOOD VELOCITY (m/s)

- 0.15 - 0.95
- 0.1 - 0.15
- 0.05 - 0.1
- 0.01 - 0.05
- 0
- 0.05 - -0.01
- 0.01 - -0.05
- 0.15 - -0.1
- 1.5 - -0.15



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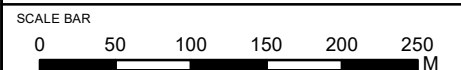


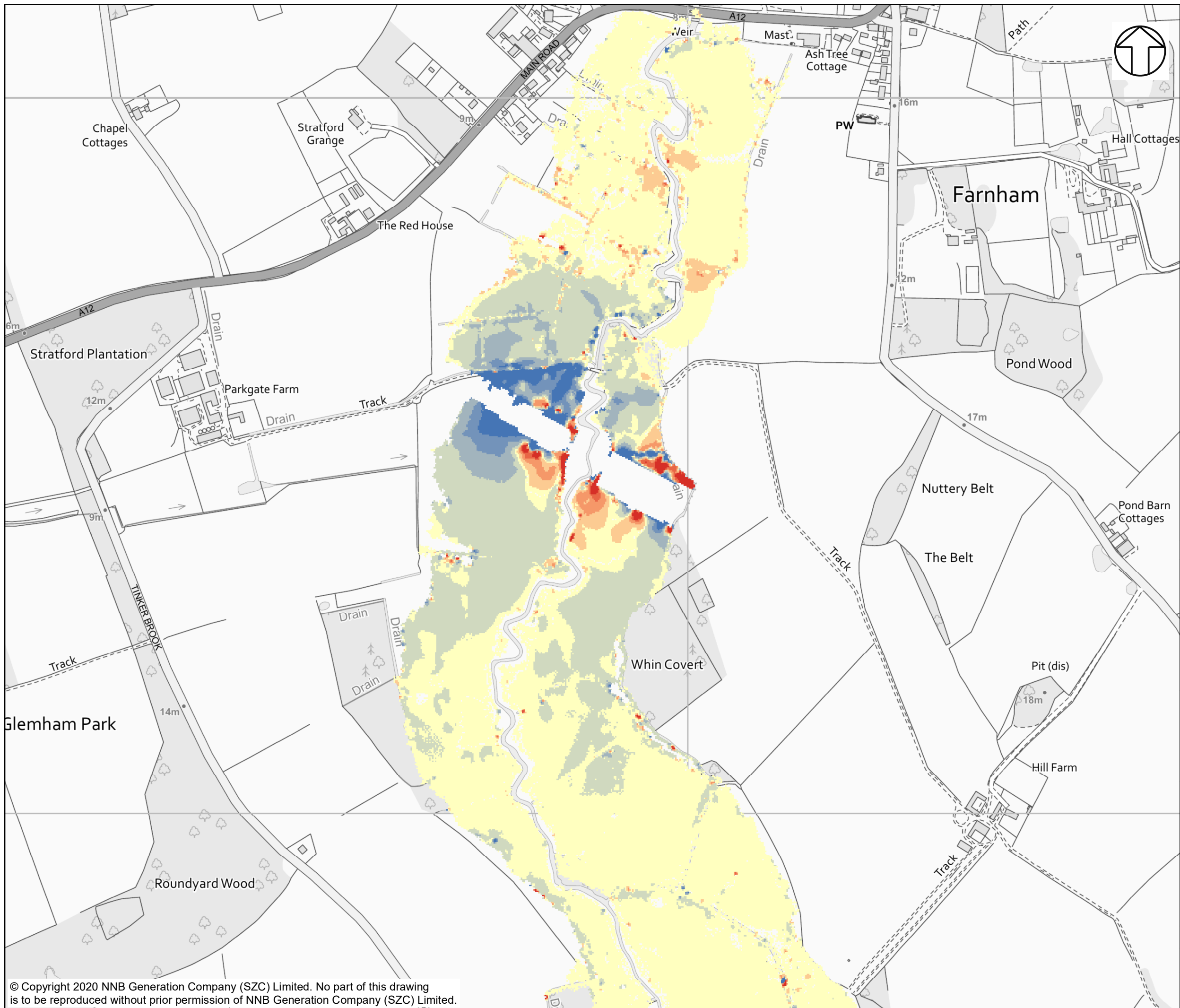
DOCUMENT:
 SIZEWELL C
 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN FLOOD VELOCITY BASELINE
 100 YEAR +35%CC VS WITH SCHEME
 100 YEAR +35%CC

DRAWING NO:
 FIGURE C.20

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



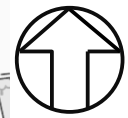
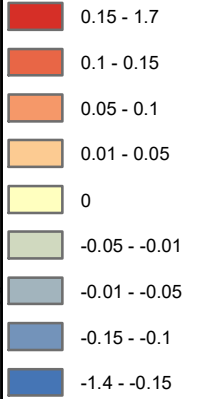


NOTES

KEY

DIFFERENCE 100 YEAR +65%CC

DIFFERENCE IN FLOOD VELOCITY (m/s)



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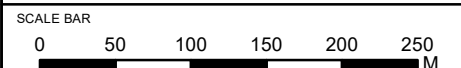


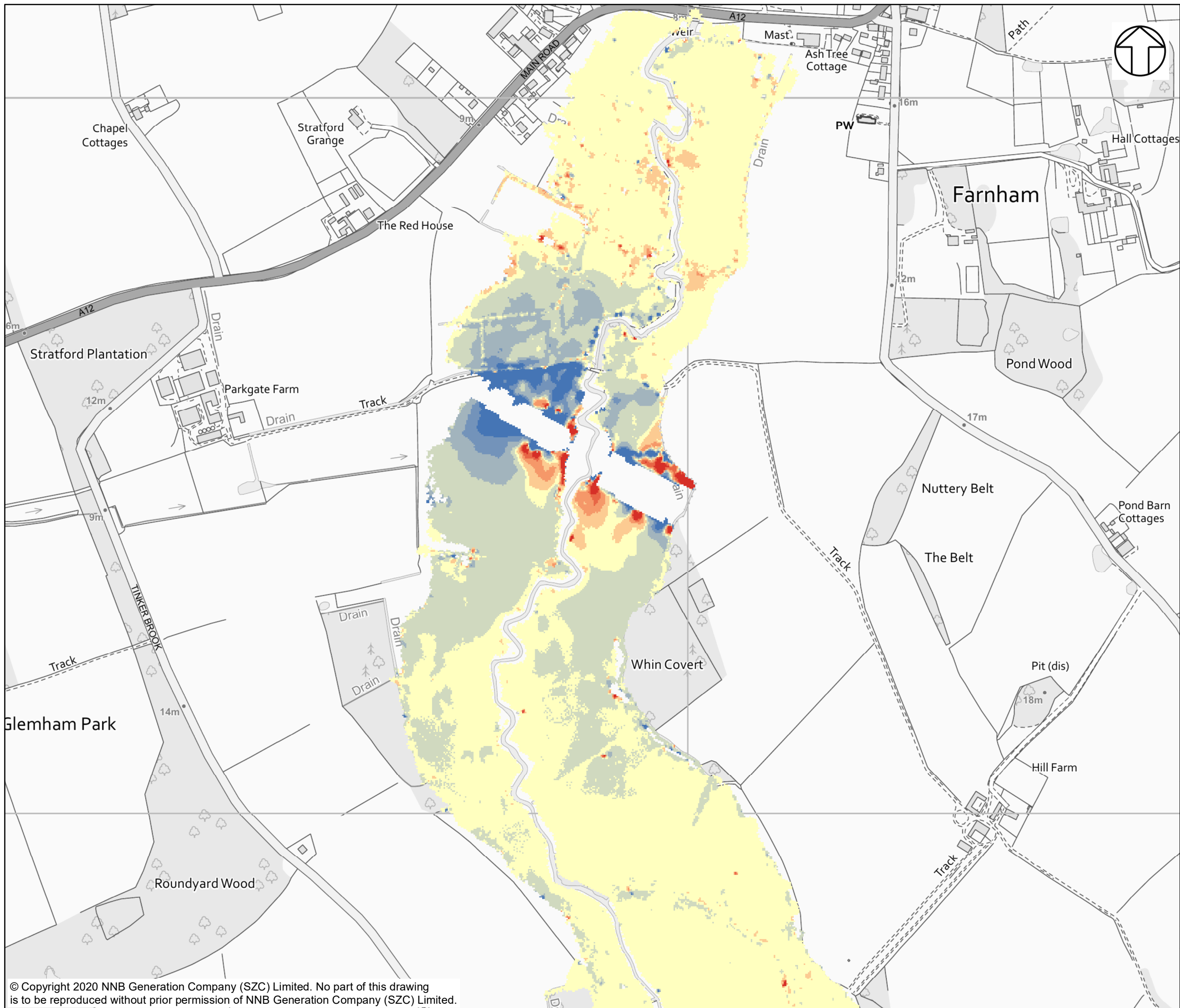
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 SIZEWELL C
 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN FLOOD VELOCITY BASELINE
 100 YEAR +65%CC VS WITH SCHEME
 100 YEAR +65%CC

DRAWING NO:
 FIGURE C.21

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



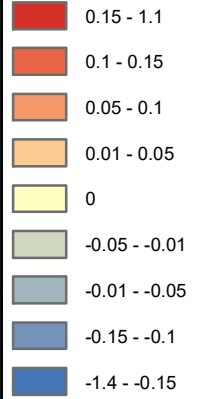


NOTES

KEY

DIFFERENCE 1000 YEAR PRESENT DAY

DIFFERENCE IN FLOOD VELOCITY (m/s)



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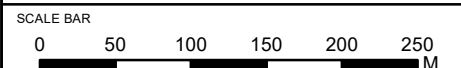


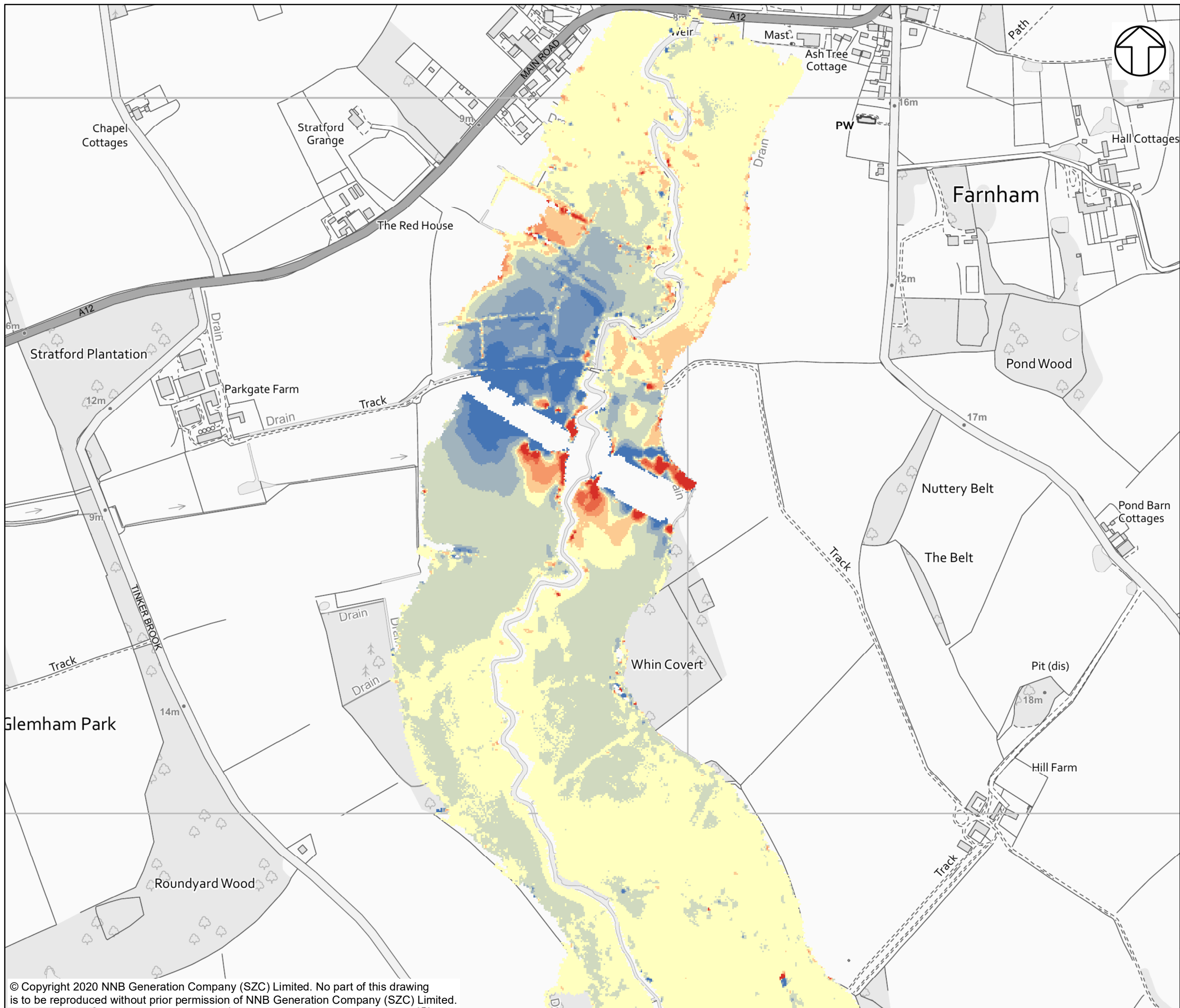
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 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

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 DIFFERENCE IN FLOOD VELOCITY BASELINE
 1000 YEAR PRESENT DAY VS WITH SCHEME
 1000 YEAR PRESENT DAY

DRAWING NO:
 FIGURE C.22

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



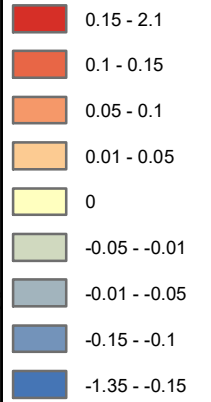


NOTES

KEY

DIFFERENCE 1000 YEAR +35%CC

DIFFERENCE IN FLOOD VELOCITY (m/s)



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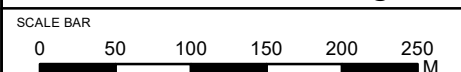


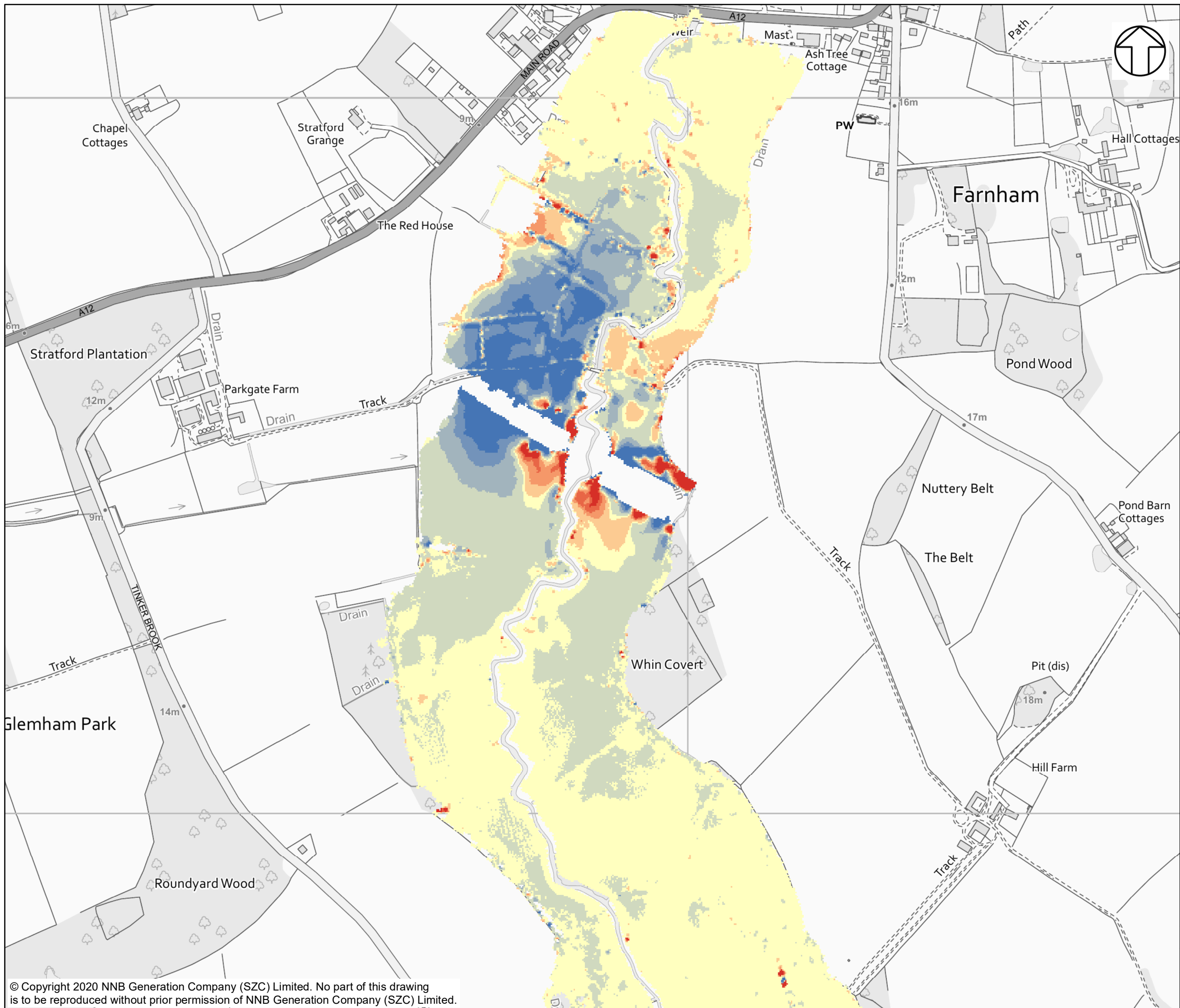
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 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN FLOOD VELOCITY BASELINE
 1000 YEAR +35%CC VS WITH SCHEME
 1000 YEAR +35%CC

DRAWING NO:
 FIGURE C.23

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



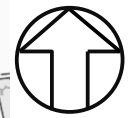
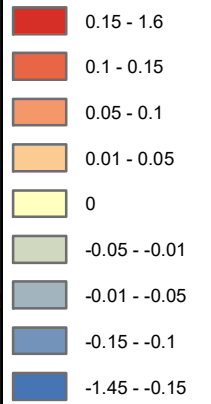


NOTES

KEY

DIFFERENCE 1000 YEAR +65%CC

DIFFERENCE IN FLOOD VELOCITY (m/s)



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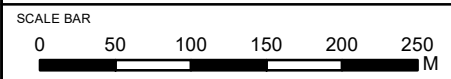


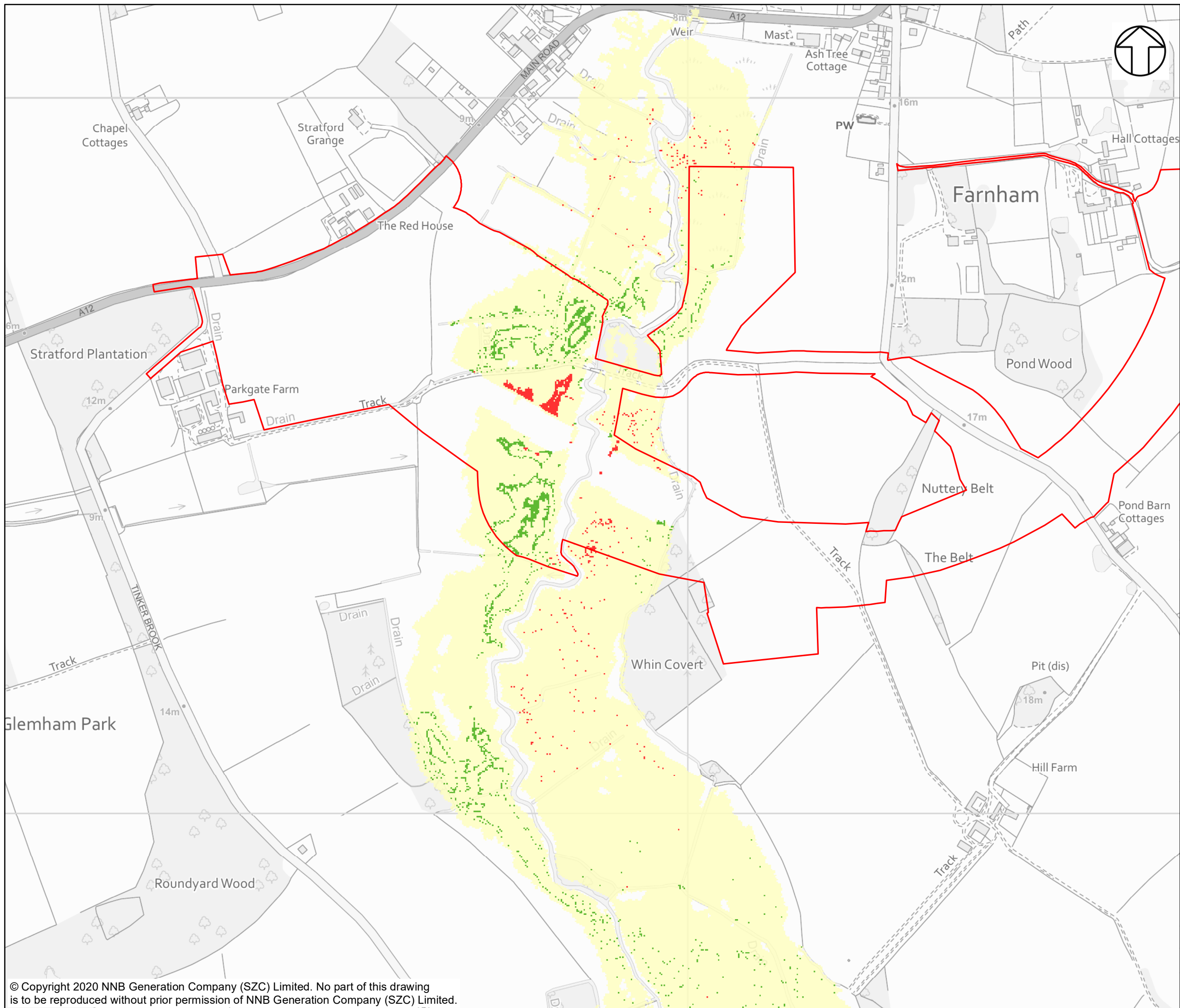
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 SIZEWELL C
 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN FLOOD VELOCITY BASELINE
 1000 YEAR +65%CC VS WITH SCHEME
 1000 YEAR +65%CC

DRAWING NO:
 FIGURE C.24

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





NOTES

KEY

TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY

FLOOD HAZARD

HAZARD RATING CLASS INCREASE

NO CHANGE

HAZARD RATING CLASS DECREASE

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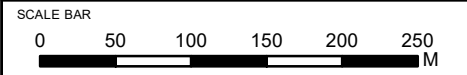


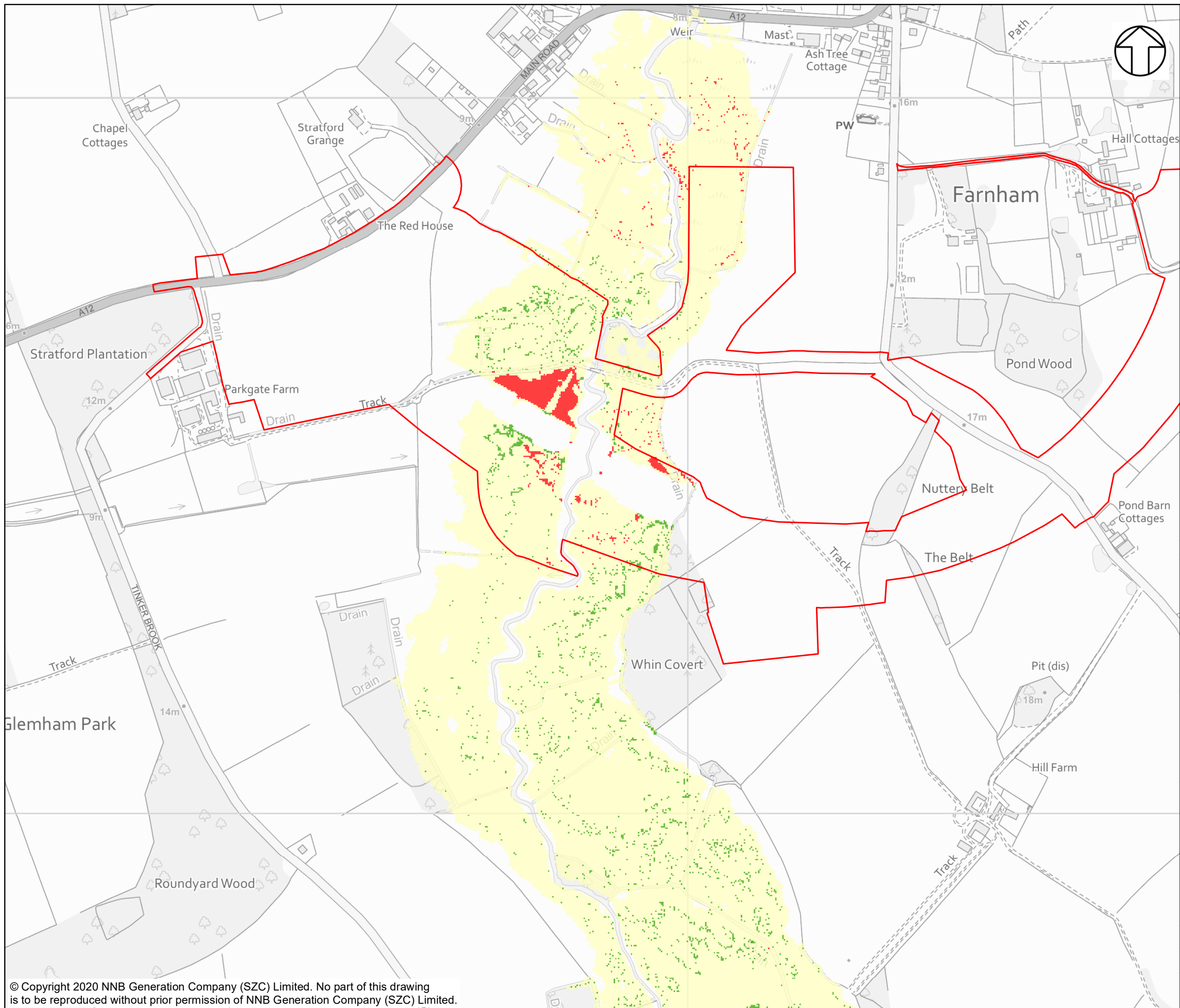
DOCUMENT:
 SIZEWELL C
 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN FLOOD HAZARD RATING
 BASELINE 20 YEAR + 35% CC
 VS WITH SCHEME 20 YEAR + 35% CC

DRAWING NO:
 FIGURE C.25

DATE: FEB 2020 **DRAWN:** J.T. **SCALE:** 1:5,000 @A3





NOTES

KEY

TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY

FLOOD HAZARD

HAZARD RATING CLASS INCREASE

NO CHANGE

HAZARD RATING CLASS DECREASE

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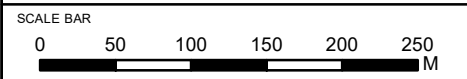


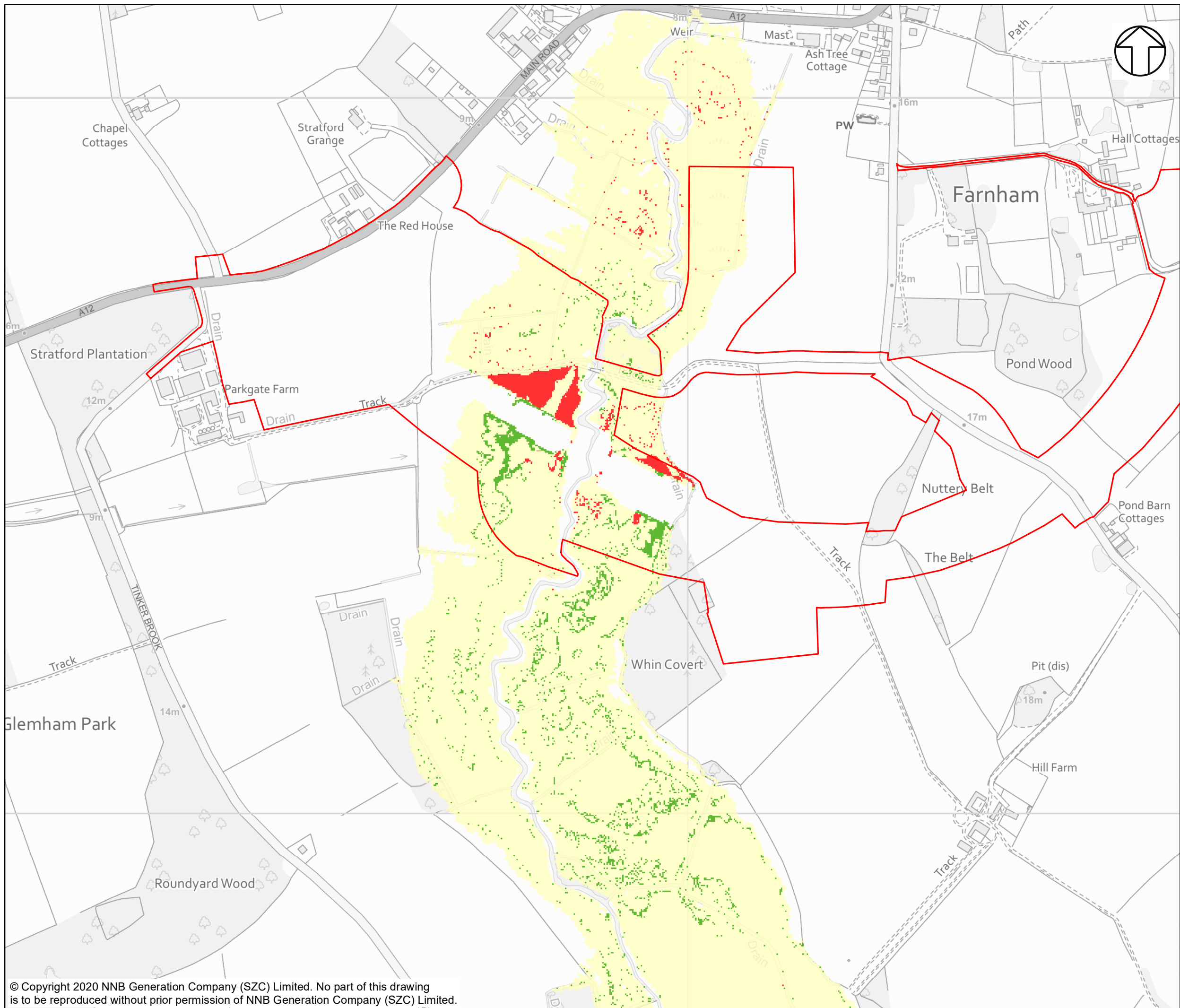
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 SIZEWELL C
 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN FLOOD HAZARD RATING
 BASELINE 20 YEAR + 65% CC
 VS WITH SCHEME 20 YEAR + 65% CC

DRAWING NO:
 FIGURE C.26

DATE: FEB 2020 **DRAWN:** J.T. **SCALE:** 1:5,000 @A3





NOTES

KEY

TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY

FLOOD HAZARD

HAZARD RATING CLASS INCREASE

NO CHANGE

HAZARD RATING CLASS DECREASE

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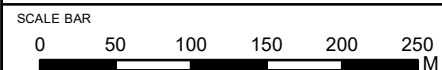


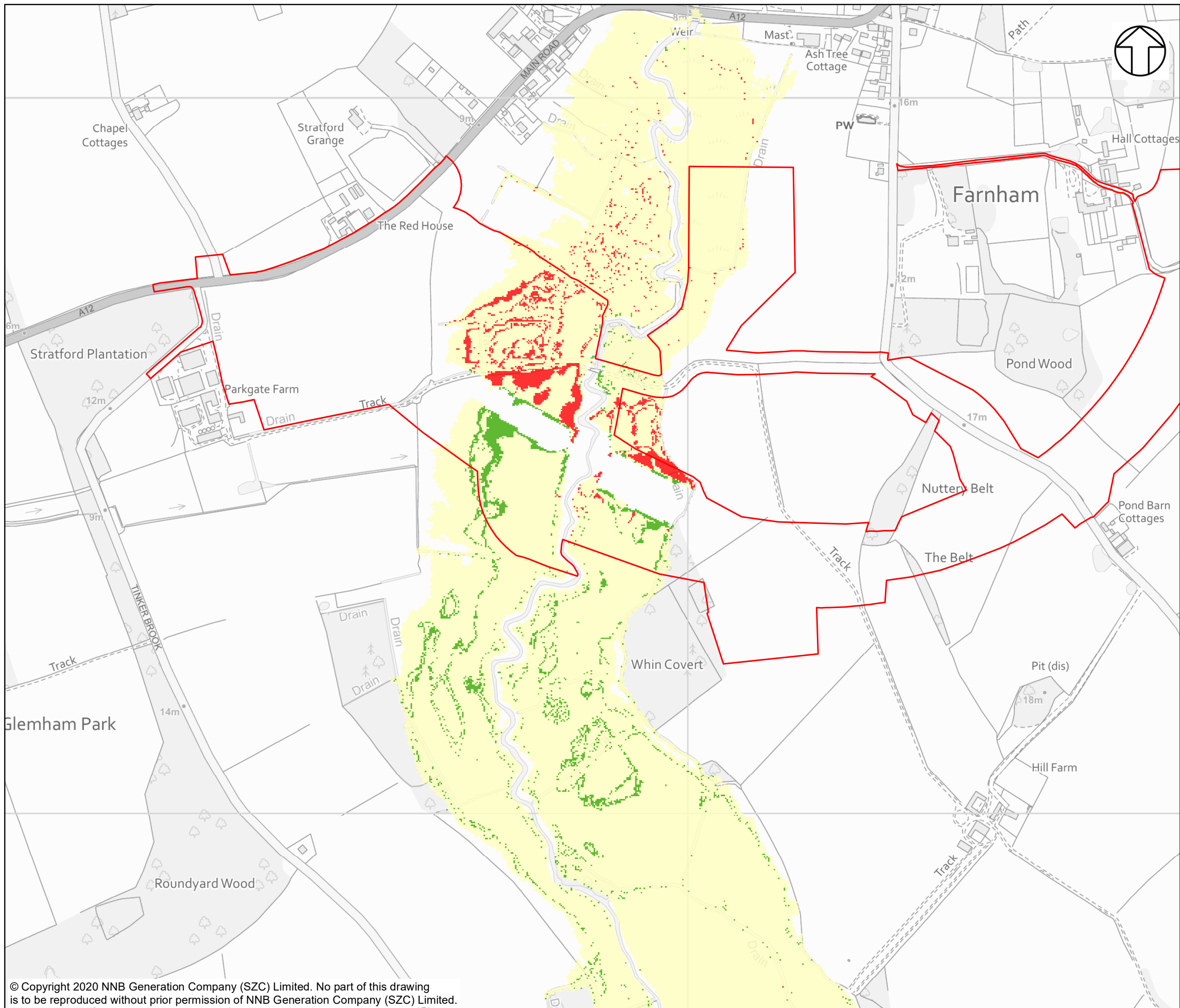
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 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN FLOOD HAZARD RATING
 BASELINE 100 YEAR + 35% CC
 VS WITH SCHEME 100 YEAR + 35% CC

DRAWING NO:
 FIGURE C.27


DATE: FEB 2020 **DRAWN:** J.T. **SCALE:** 1:5,000 @A3






NOTES

KEY

 TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY

FLOOD HAZARD

 HAZARD RATING CLASS INCREASE

 NO CHANGE

 HAZARD RATING CLASS DECREASE

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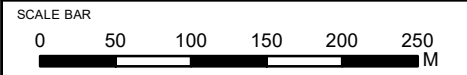


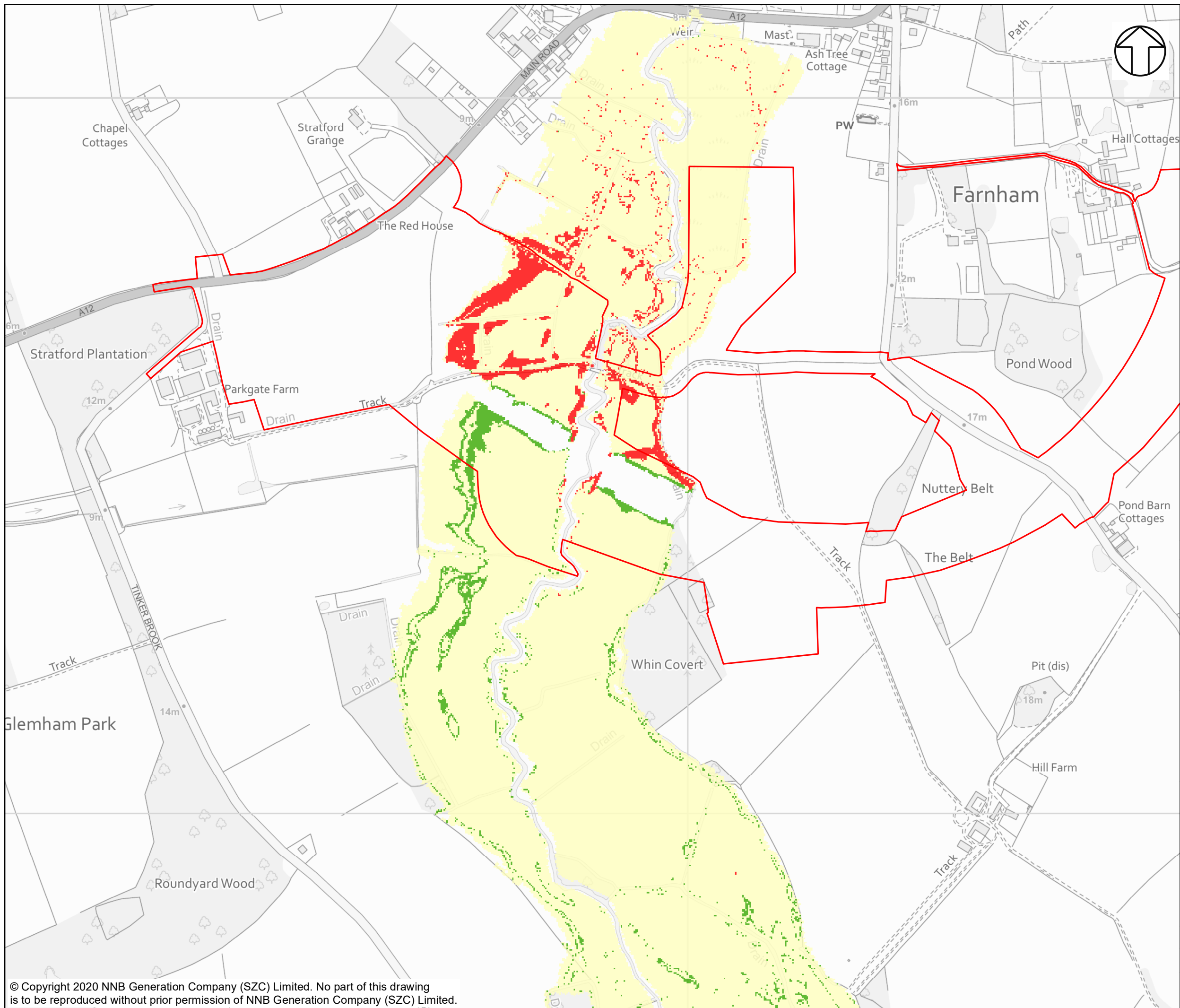
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 SIZEWELL C
 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN FLOOD HAZARD RATING
 BASELINE 100 YEAR + 65% CC
 VS WITH SCHEME 100 YEAR + 65% CC

DRAWING NO:
 FIGURE C.28


DATE: FEB 2020 **DRAWN:** J.T. **SCALE:** 1:5,000 @A3






NOTES

KEY

 TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY

FLOOD HAZARD

 HAZARD RATING CLASS INCREASE

 NO CHANGE

 HAZARD RATING CLASS DECREASE

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DOCUMENT:

SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:

DIFFERENCE IN FLOOD HAZARD RATING
BASELINE 1000 YEAR + 35% CC
VS WITH SCHEME 1000 YEAR + 35% CC

DRAWING NO:

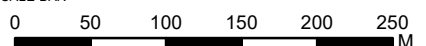
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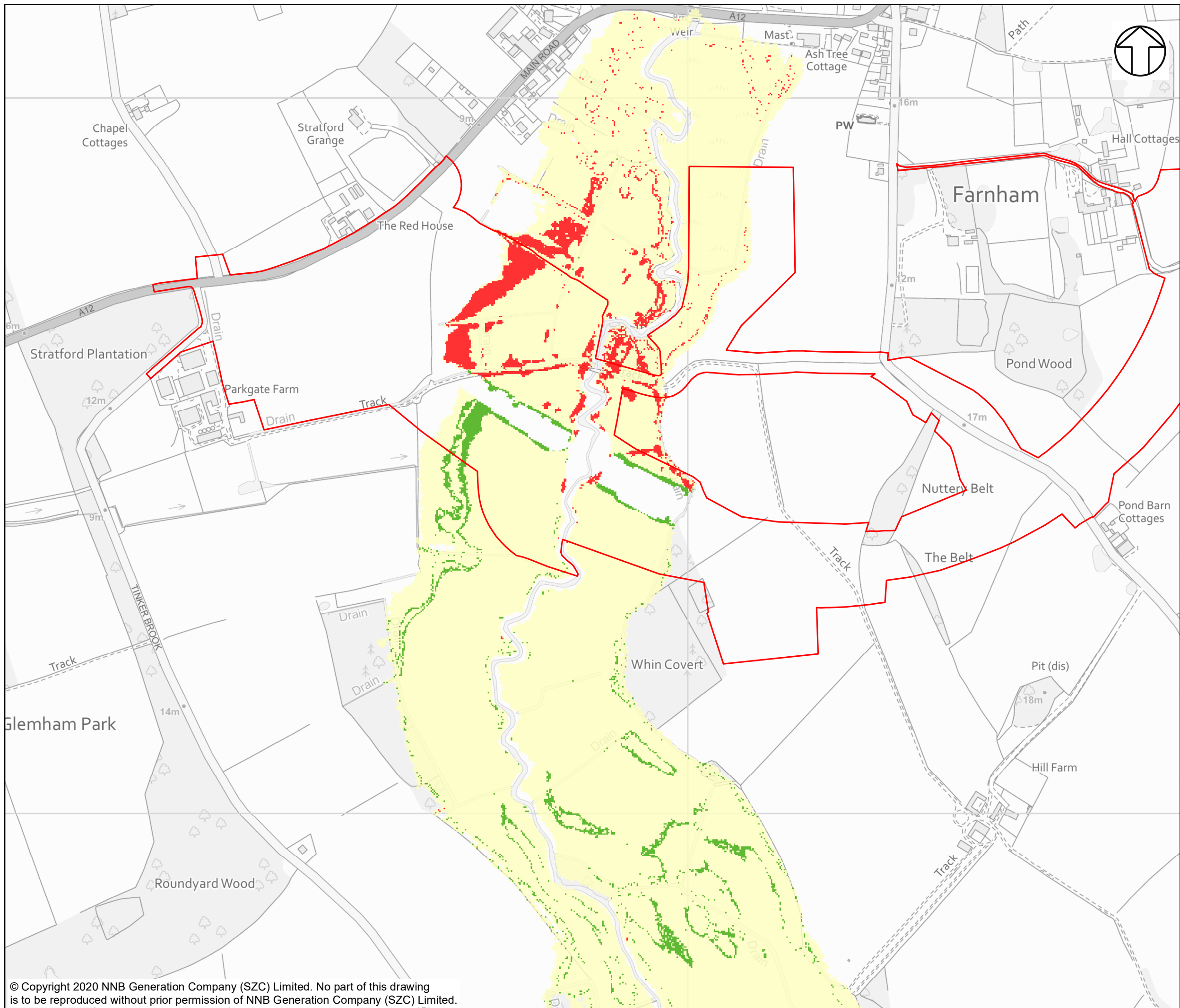
DATE:
FEB 2020

DRAWN:
J.T.

SCALE:
1:5,000 @A3

SCALE BAR





NOTES

KEY

TWO VILLAGE BYPASS DEVELOPMENT SITE BOUNDARY

FLOOD HAZARD

HAZARD RATING CLASS INCREASE

NO CHANGE

HAZARD RATING CLASS DECREASE

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 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN FLOOD HAZARD RATING
 BASELINE 1000 YEAR + 65% CC
 VS WITH SCHEME 1000 YEAR + 65% CC

DRAWING NO:
 FIGURE C.30

DATE: FEB 2020 **DRAWN:** J.T. **SCALE:** 1:5,000 @A3

