



# The Sizewell C Project

## 5.5 Two Village Bypass Flood Risk Assessment Figures 81 - 88

---

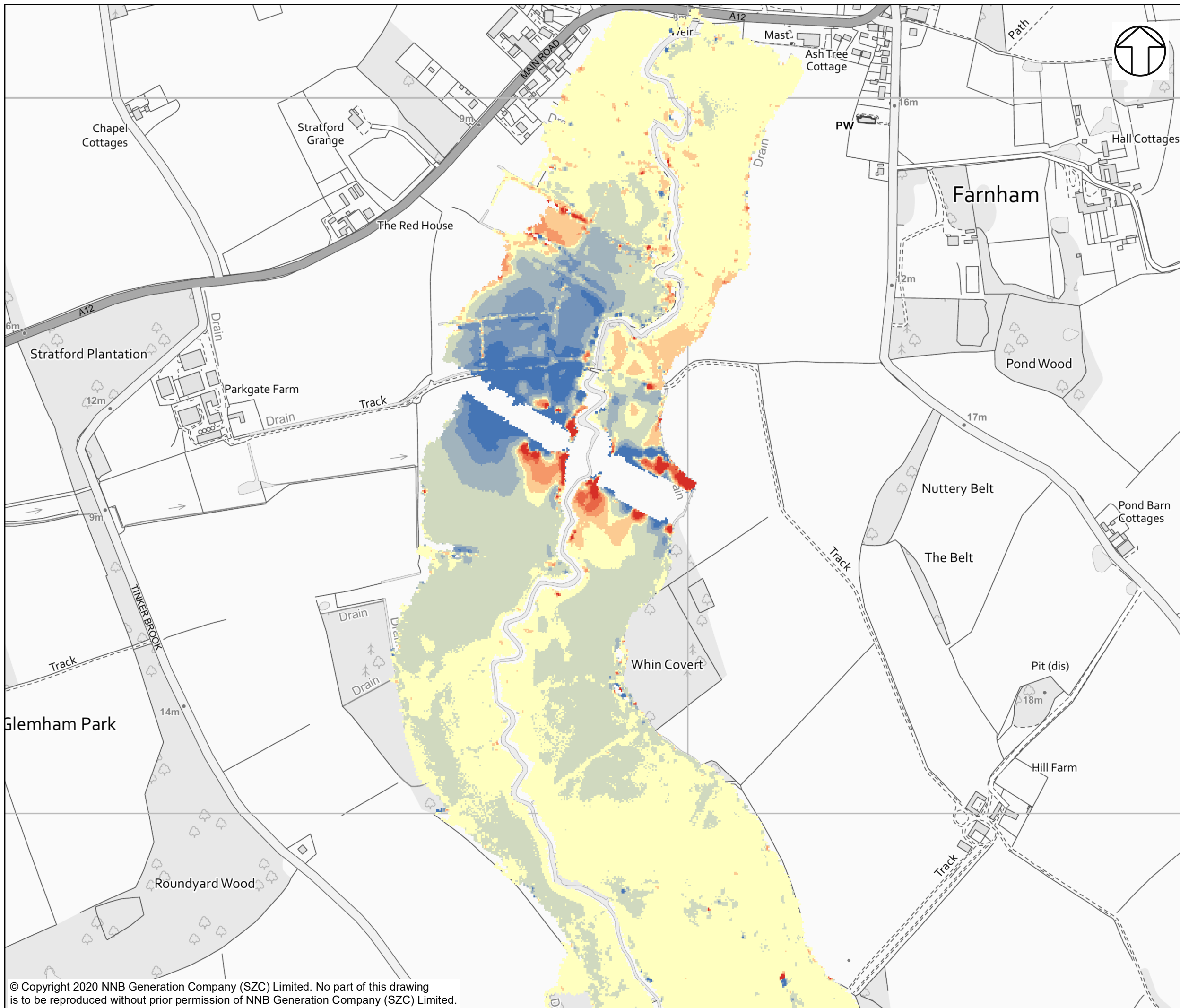
Revision: 1.0  
Applicable Regulation: Regulation 5(2)(e)  
PINS Reference Number: EN010012

---

May 2020

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





**NOTES**

**KEY**

**DIFFERENCE 1000 YEAR +35%CC**

**DIFFERENCE IN FLOOD VELOCITY (m/s)**

- 0.15 - 2.1
- 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
- 1.35 - -0.15

**NOT PROTECTIVELY MARKED**

**COPYRIGHT**  
 Reproduced from Ordnance Survey map with the permission of Ordnance Survey on behalf of the controller of Her Majesty's Stationery Office © Crown Copyright (2019). All Rights reserved. NNB GenCo 0100060408.

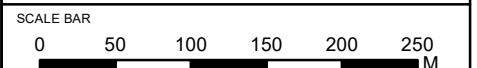


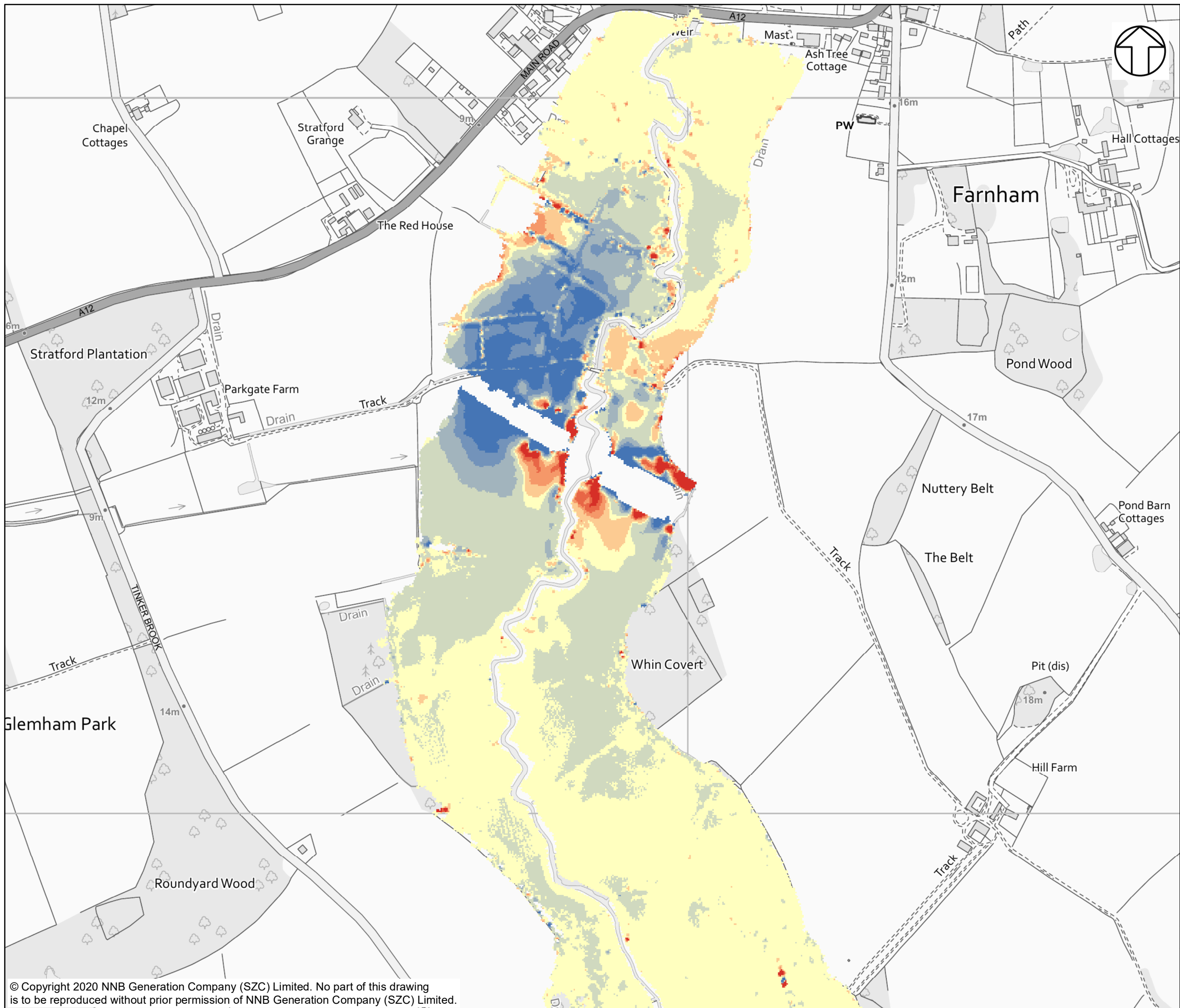
**DOCUMENT:**  
 SIZEWELL C  
 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

**DRAWING TITLE:**  
 FLUVIAL MODELLING DIFFERENCE BETWEEN  
 BASELINE AND WITH SCHEME FLOOD VELOCITY  
 FOR 1 IN 1,000-YEAR EVENT WITH 35% FOR  
 CLIMATE CHANGE ALLOWANCE

**DRAWING NO:**  
 FIGURE 81

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



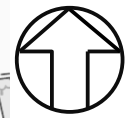
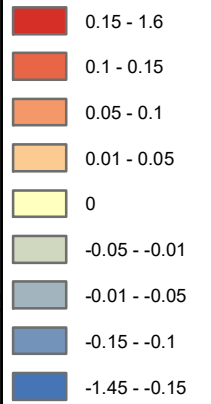


**NOTES**

**KEY**

DIFFERENCE 1000 YEAR +65%CC

DIFFERENCE IN FLOOD VELOCITY (m/s)



NOT PROTECTIVELY MARKED

**COPYRIGHT**  
 Reproduced from Ordnance Survey map with the permission of Ordnance Survey on behalf of the controller of Her Majesty's Stationery Office © Crown Copyright (2019). All Rights reserved. NNB GenCo 0100060408.

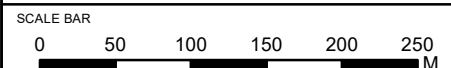


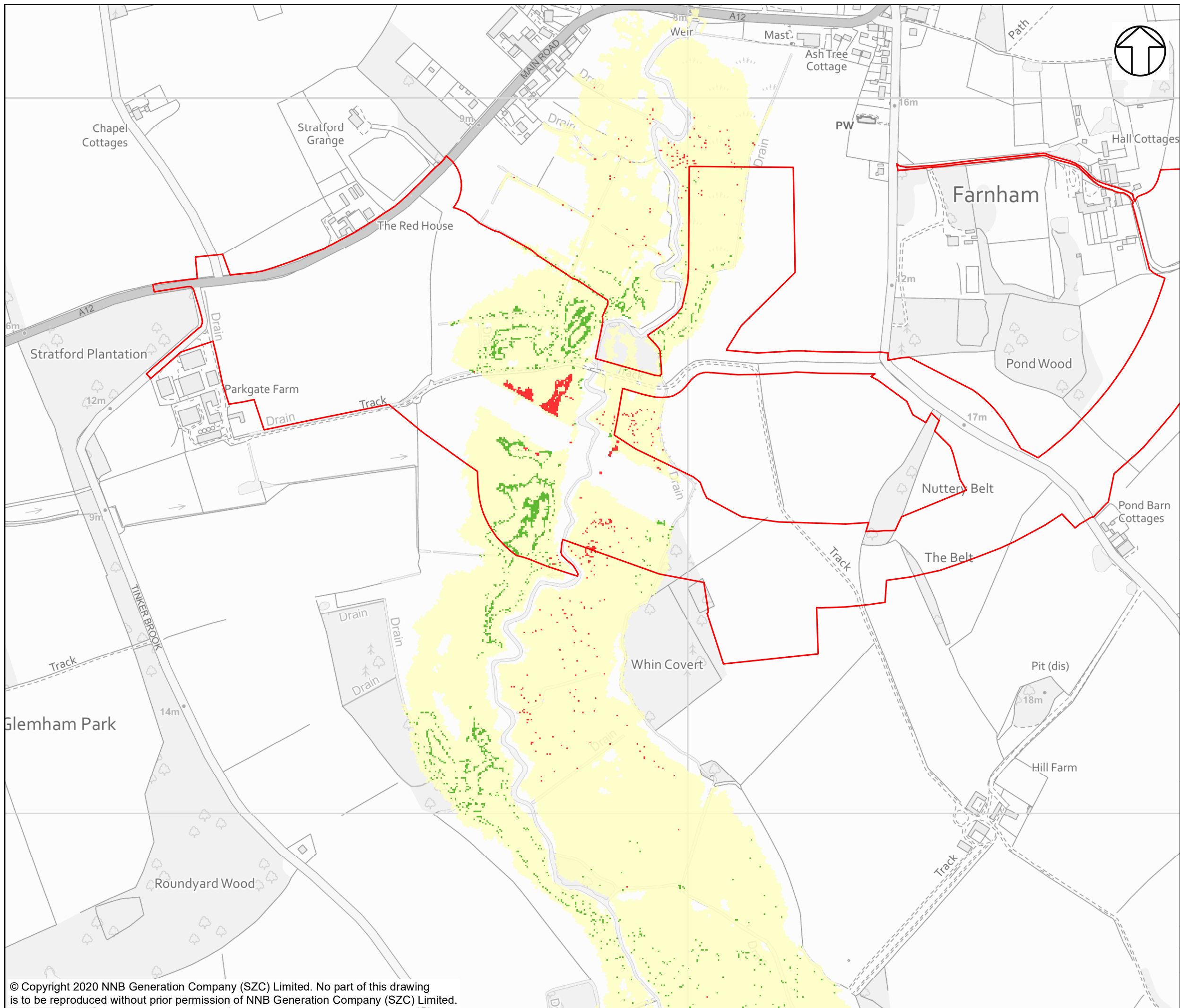
**DOCUMENT:**  
 SIZEWELL C  
 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

**DRAWING TITLE:**  
 FLUVIAL MODELLING DIFFERENCE BETWEEN  
 BASELINE AND WITH SCHEME FLOOD VELOCITY  
 FOR 1 IN 1,000-YEAR EVENT WITH 65% FOR  
 CLIMATE CHANGE ALLOWANCE

**DRAWING NO:**  
 FIGURE 82

**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

NOT PROTECTIVELY MARKED

**COPYRIGHT**  
 Reproduced from Ordnance Survey map with the permission of Ordnance Survey on behalf of the controller of Her Majesty's Stationary Office © Crown Copyright (2019). All Rights reserved. NNB GenCo 0100060408.

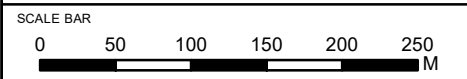


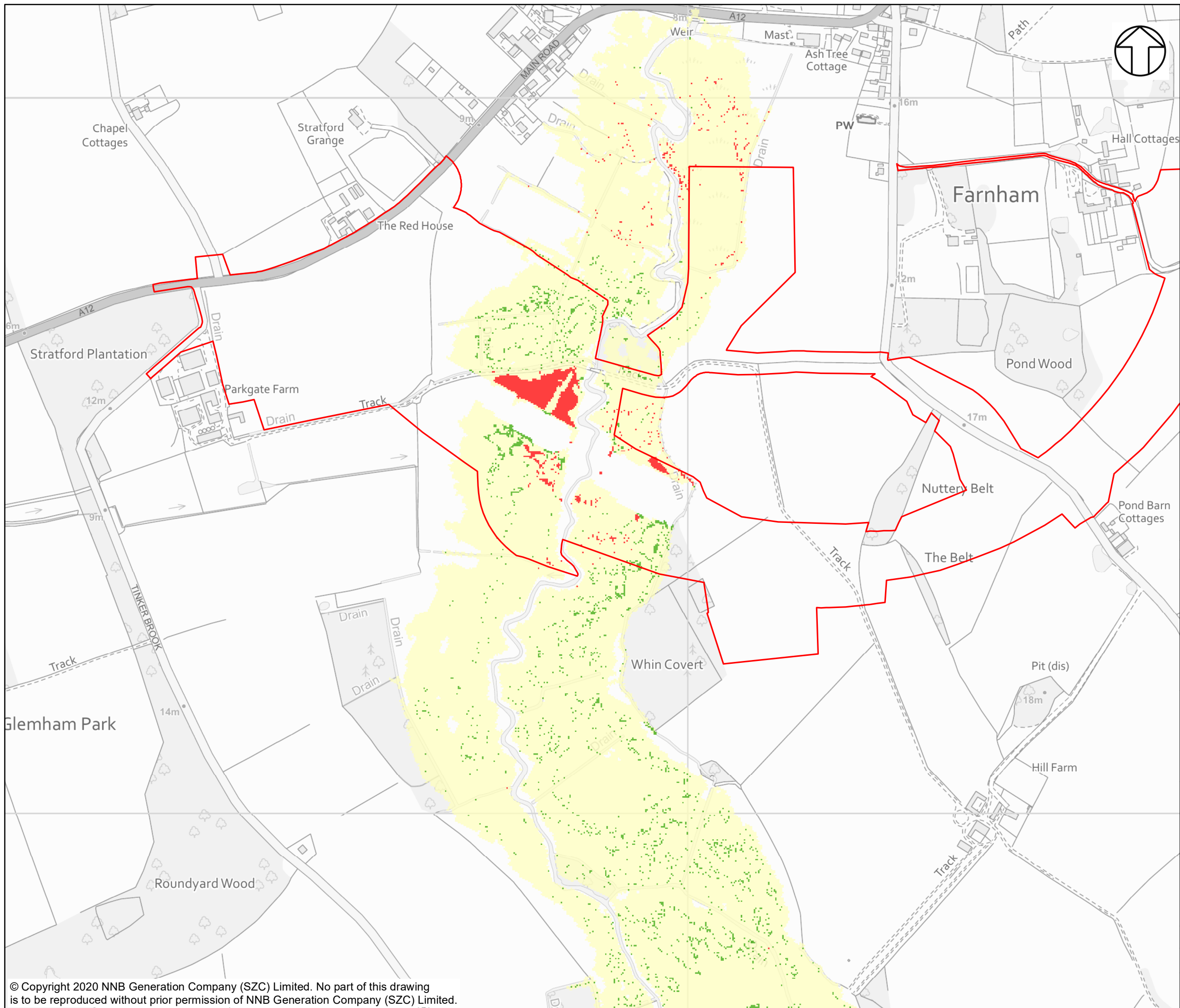
**DOCUMENT:**  
 SIZEWELL C  
 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

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

**DRAWING NO:**  
 FIGURE 83

**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

NOT PROTECTIVELY MARKED

**COPYRIGHT**  
 Reproduced from Ordnance Survey map with the permission of Ordnance Survey on behalf of the controller of Her Majesty's Stationary Office © Crown Copyright (2019). All Rights reserved. NNB GenCo 0100060408.

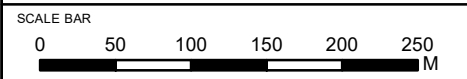


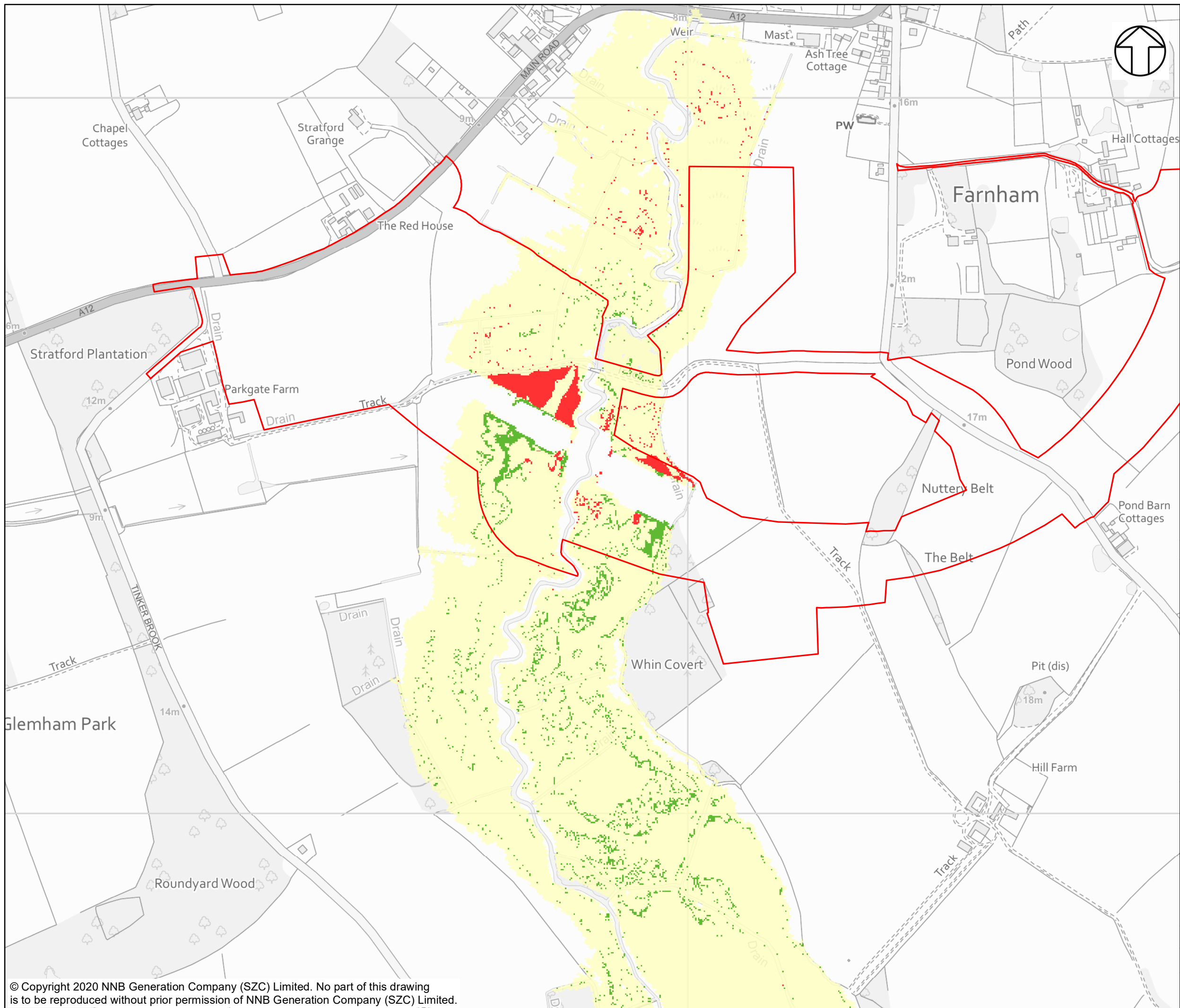
**DOCUMENT:**  
 SIZEWELL C  
 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

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

**DRAWING NO:**  
 FIGURE 84

**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

NOT PROTECTIVELY MARKED

**COPYRIGHT**  
 Reproduced from Ordnance Survey map with the permission of Ordnance Survey on behalf of the controller of Her Majesty's Stationary Office © Crown Copyright (2019). All Rights reserved. NNB GenCo 0100060408.

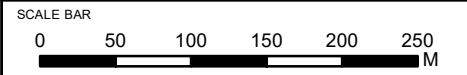


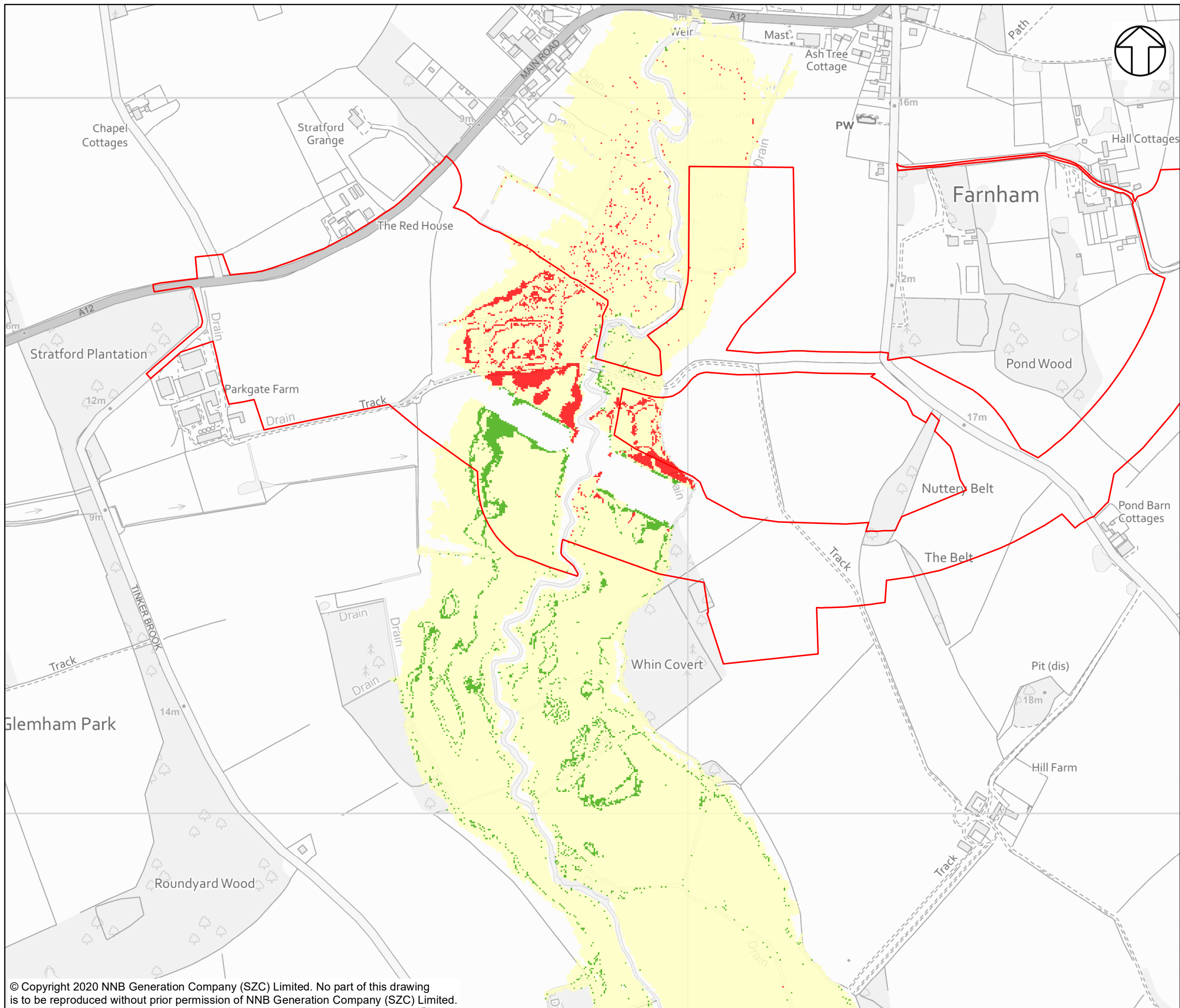
**DOCUMENT:**  
 SIZEWELL C  
 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

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

**DRAWING NO:**  
 FIGURE 85

**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

NOT PROTECTIVELY MARKED

**COPYRIGHT**  
 Reproduced from Ordnance Survey map with the permission of Ordnance Survey on behalf of the controller of Her Majesty's Stationery Office © Crown Copyright (2019). All Rights reserved. NNB GenCo 0100060408.

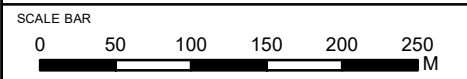


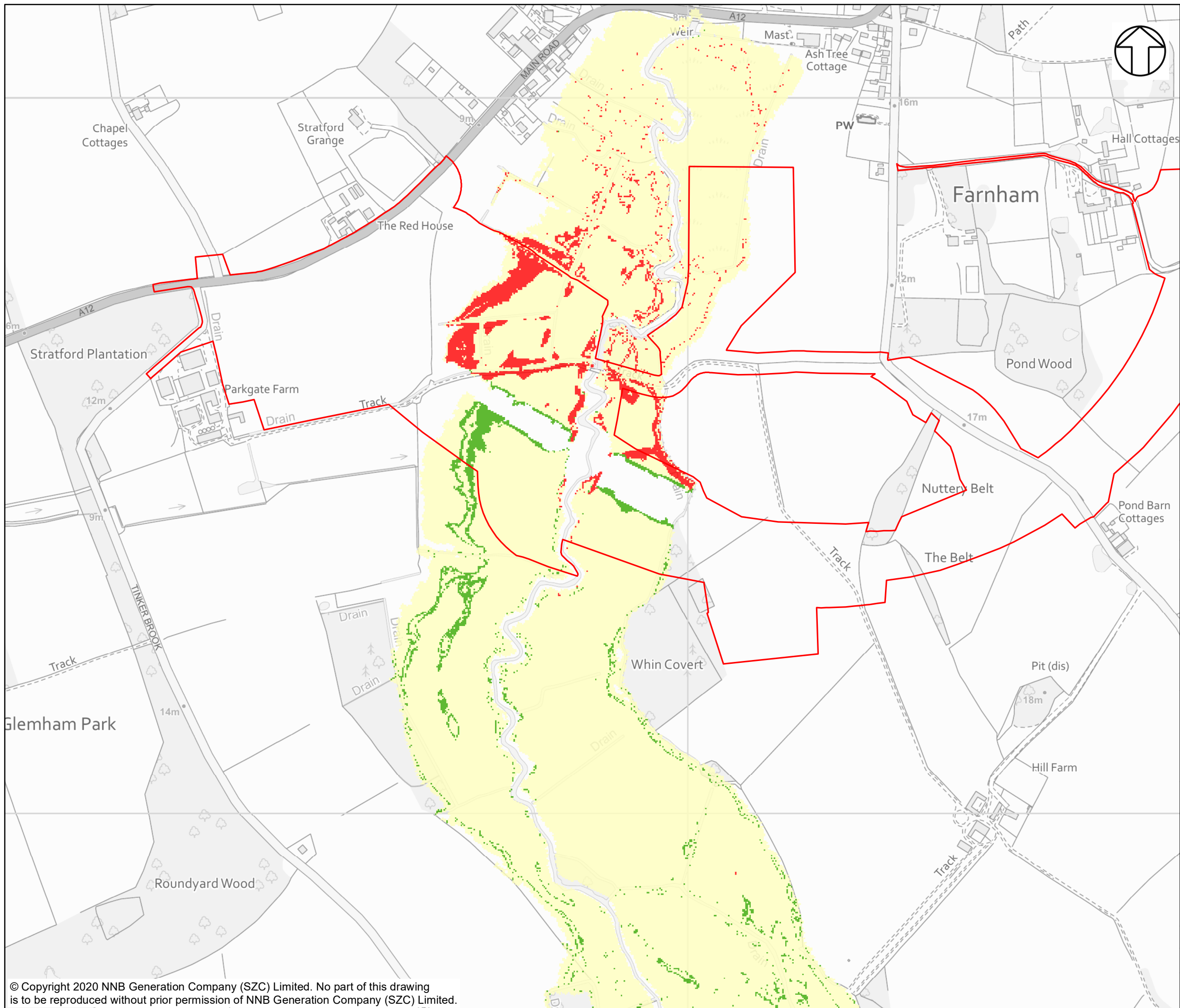
**DOCUMENT:**  
 SIZEWELL C  
 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

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

**DRAWING NO:**  
 FIGURE 86

**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

NOT PROTECTIVELY MARKED

**COPYRIGHT**  
 Reproduced from Ordnance Survey map with the permission of Ordnance Survey on behalf of the controller of Her Majesty's Stationary Office © Crown Copyright (2019). All Rights reserved. NNB GenCo 0100060408.

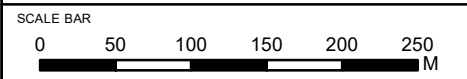


**DOCUMENT:**  
 SIZEWELL C  
 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

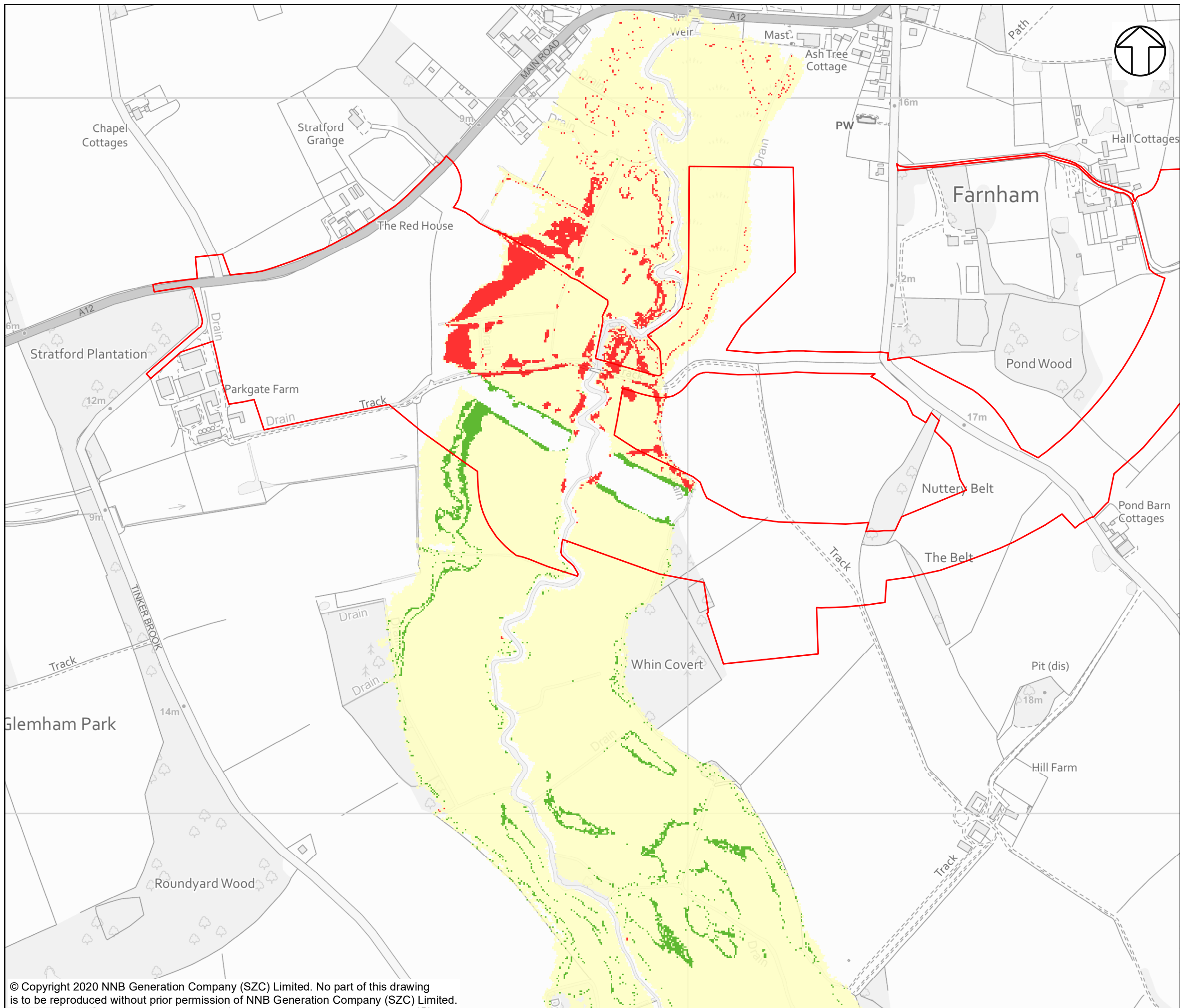
**DRAWING TITLE:**  
 FLUVIAL MODELLING DIFFERENCE  
 BETWEEN BASELINE AND WITH SCHEME  
 FLOOD HAZARD FOR 1 IN 1,000-YEAR  
 EVENT WITH 35% FOR CLIMATE CHANGE  
 ALLOWANCE

**DRAWING NO:**  
 FIGURE 87

**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

**NOT PROTECTIVELY MARKED**

**COPYRIGHT**  
 Reproduced from Ordnance Survey map with the permission of Ordnance Survey on behalf of the controller of Her Majesty's Stationary Office © Crown Copyright (2019). All Rights reserved. NNB GenCo 0100060408.



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

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

**DRAWING NO:**  
 FIGURE 88

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

