



# The Sizewell C Project

## 5.2 Main Development Site Flood Risk Assessment Figures 31- 40

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

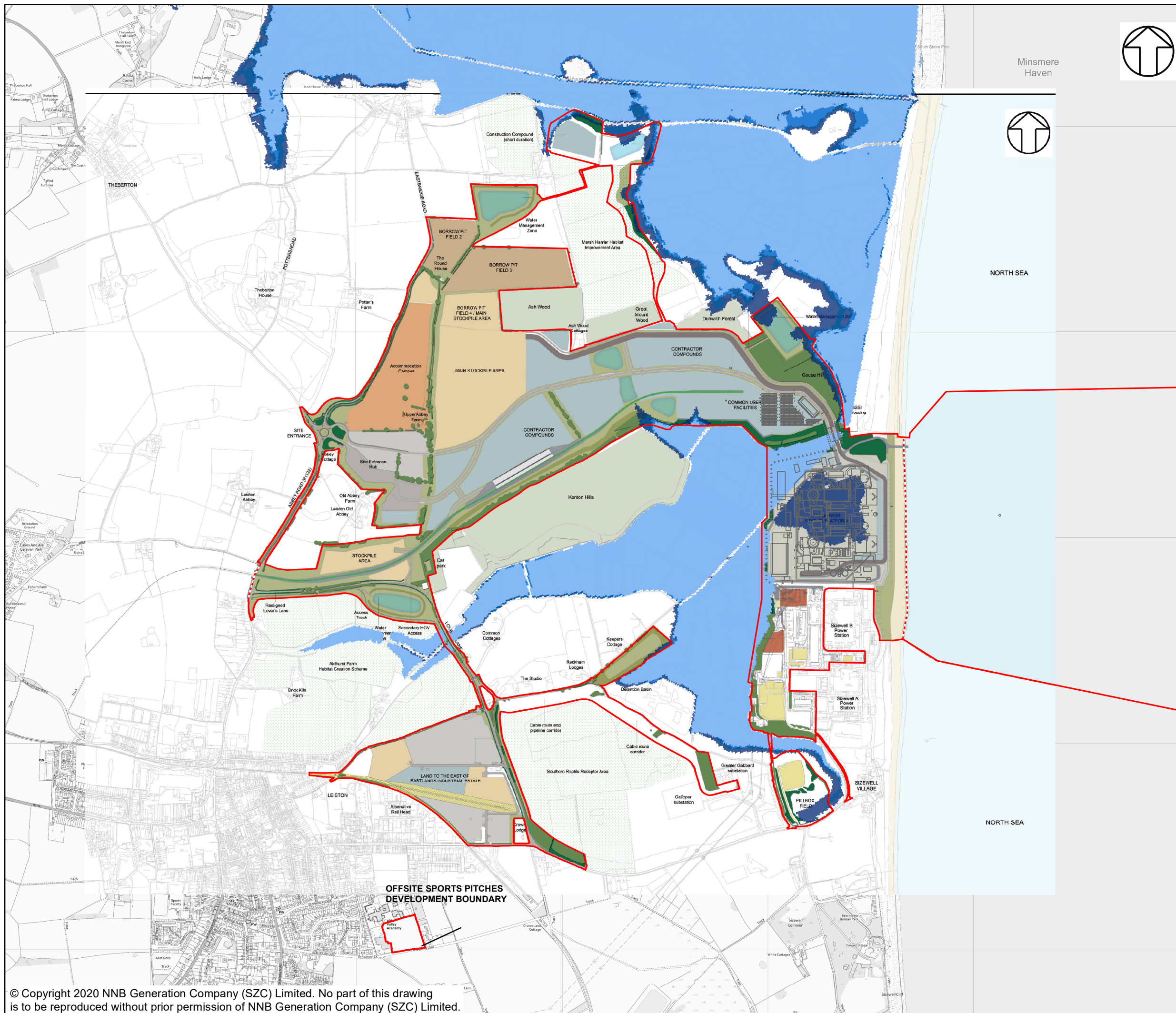
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May 2020

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







**NOTES**

**KEY**

- SIZEWELL C AND ASSOCIATED DEVELOPMENT SITE BOUNDARIES
- - - DEMARCATION LINE
- BASELINE 5YR FLUVIAL FLOOD EXTENT
- BASELINE 20YR FLUVIAL FLOOD EXTENT
- BASELINE 100YR FLUVIAL FLOOD EXTENT
- BASELINE 1000YR FLUVIAL FLOOD EXTENT

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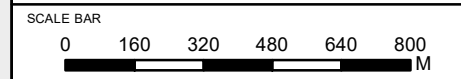


**DOCUMENT:**  
 SIZEWELL C  
 MAIN DEVELOPMENT SITE  
 FLOOD RISK ASSESSMENT

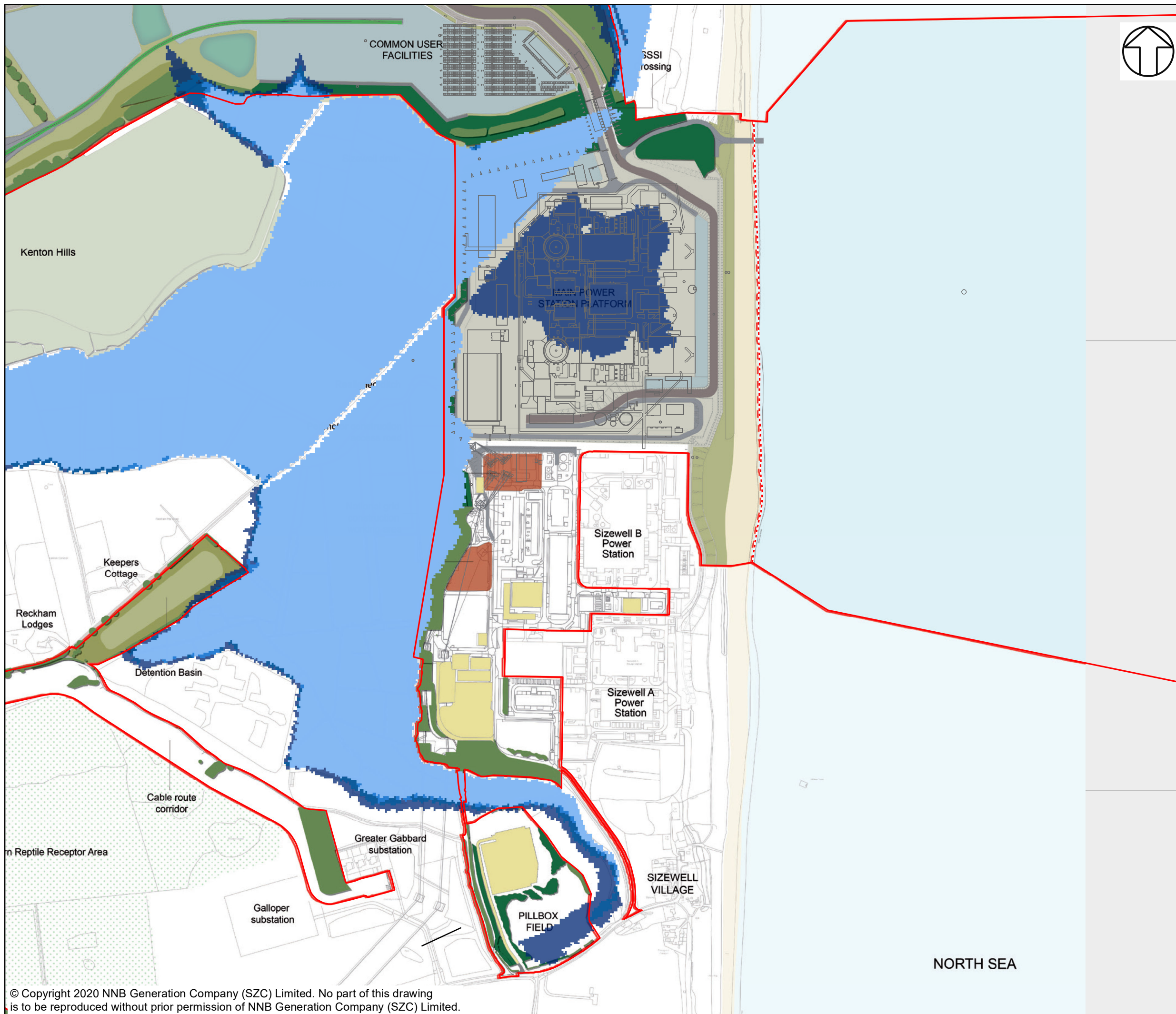
**DRAWING TITLE:**  
 MODELLED PRESENT-DAY  
 BASELINE FLUVIAL FLOOD  
 EXTENTS FOR THE STUDY AREA

**DRAWING NO:**  
 FIGURE 31

**DATE:** JAN 2020      **DRAWN:** E.H.      **SCALE:** 1:17,500 @A3







**NOTES**

**KEY**

- SIZEWELL C AND ASSOCIATED DEVELOPMENT SITE BOUNDARIES
- - - DEMARCATION LINE
- BASELINE 5YR FLUVIAL FLOOD EXTENT
- BASELINE 20YR FLUVIAL FLOOD EXTENT
- BASELINE 100YR FLUVIAL FLOOD EXTENT
- BASELINE 1000YR FLUVIAL FLOOD EXTENT

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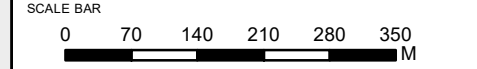


**DOCUMENT:**  
 SIZEWELL C  
 MAIN DEVELOPMENT SITE  
 FLOOD RISK ASSESSMENT

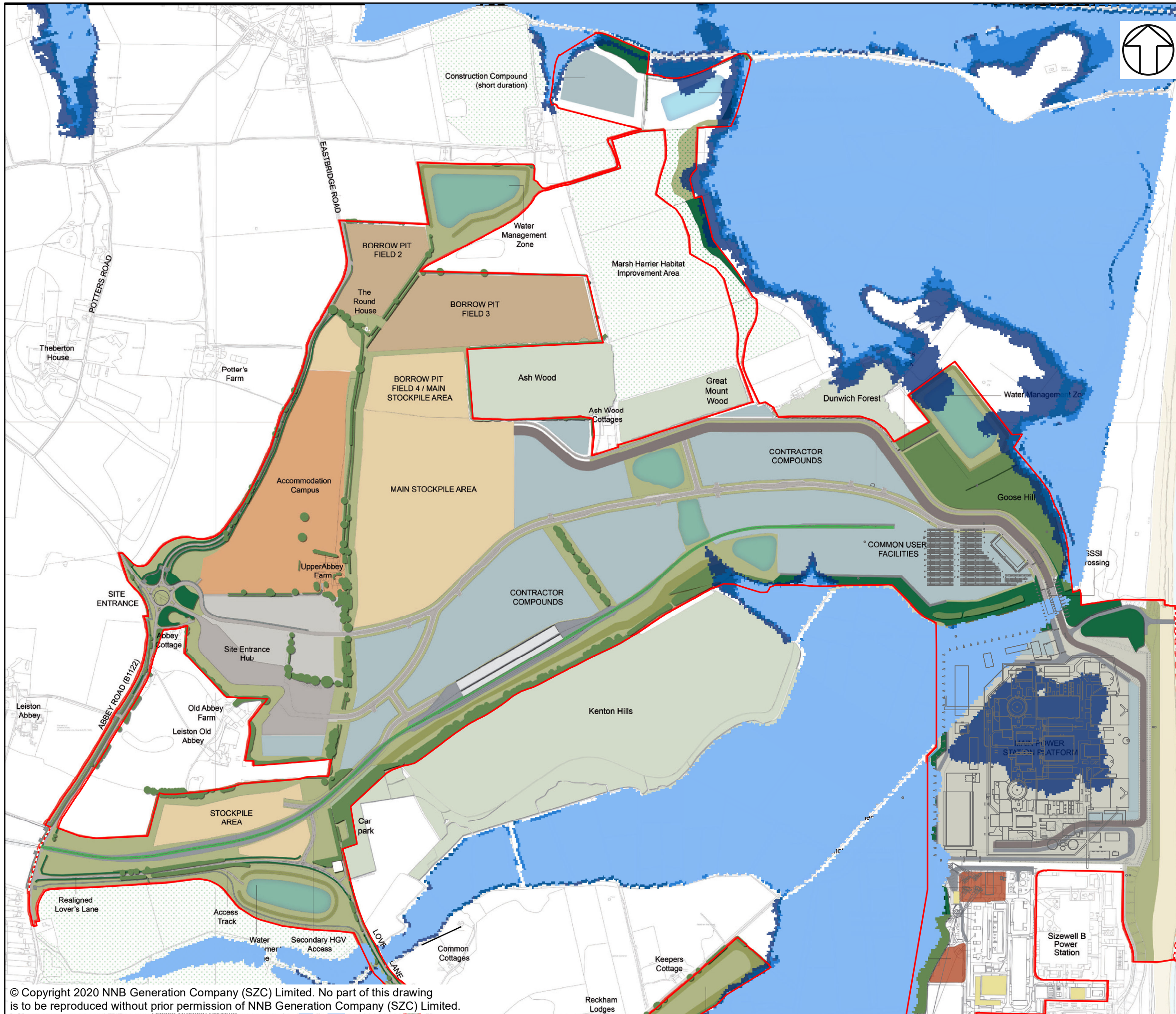
**DRAWING TITLE:**  
 MODELLED PRESENT-DAY BASELINE FLUVIAL  
 FLOOD EXTENTS FOR THE MAIN PLATFORM  
 AREA

**DRAWING NO:**  
 FIGURE 32

**DATE:** JAN 2020      **DRAWN:** E.H.      **SCALE:** 1:8,000 @A3







**NOTES**

**KEY**

- SIZEWELL C AND ASSOCIATED DEVELOPMENT SITE BOUNDARIES
- DEMARCATION LINE
- BASELINE 5YR FLUVIAL FLOOD EXTENT
- BASELINE 20YR FLUVIAL FLOOD EXTENT
- BASELINE 100YR FLUVIAL FLOOD EXTENT
- BASELINE 1000YR FLUVIAL FLOOD EXTENT

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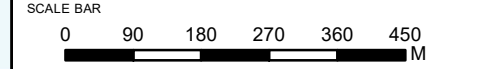


**DOCUMENT:**  
 SIZEWELL C  
 MAIN DEVELOPMENT SITE  
 FLOOD RISK ASSESSMENT

**DRAWING TITLE:**  
 MODELLED PRESENT-DAY BASELINE FLUVIAL  
 FLOOD EXTENTS FOR THE TEMPORARY  
 CONSTRUCTION AREA

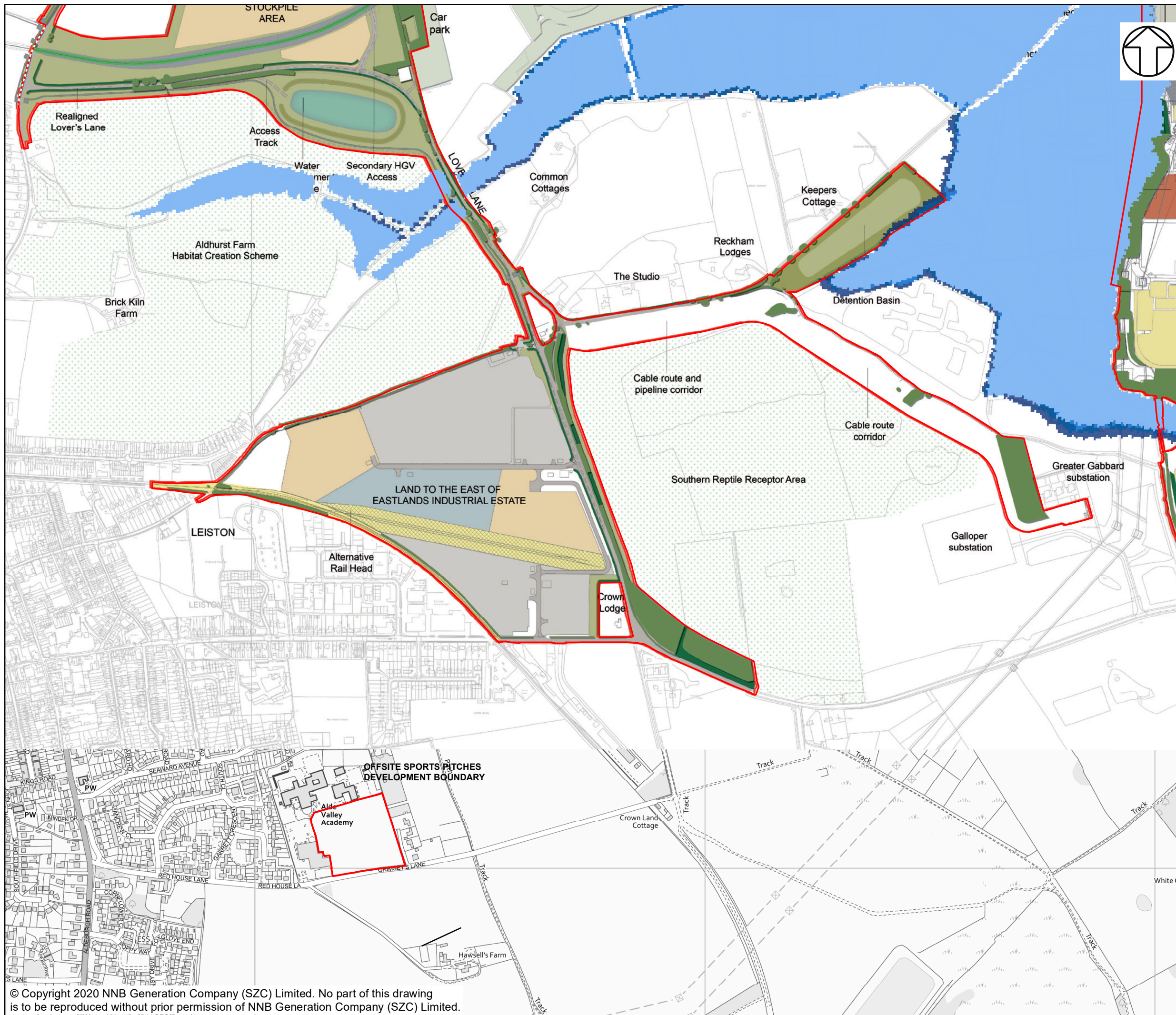
**DRAWING NO.:**  
 FIGURE 33

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**NOTES**

**KEY**

- SIZEWELL C AND ASSOCIATED DEVELOPMENT SITE BOUNDARIES
- - - DEMARCATION LINE
- BASELINE 5YR FLUVIAL FLOOD EXTENT
- BASELINE 20YR FLUVIAL FLOOD EXTENT
- BASELINE 100YR FLUVIAL FLOOD EXTENT
- BASELINE 1000YR FLUVIAL FLOOD EXTENT

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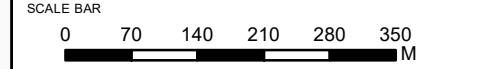


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 SIZEWELL C  
 MAIN DEVELOPMENT SITE  
 FLOOD RISK ASSESSMENT

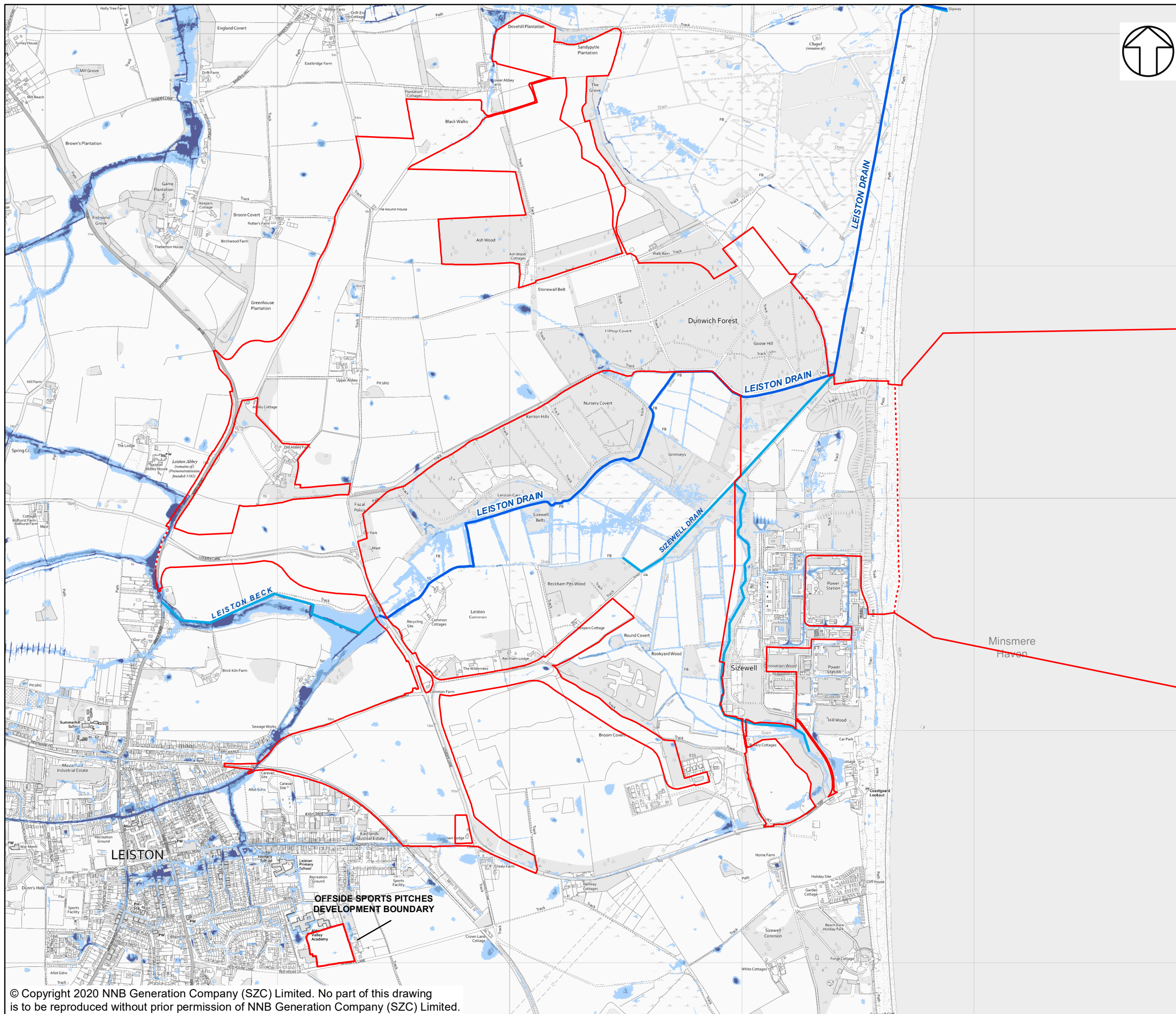
**DRAWING TITLE:**  
 MODELLED PRESENT-DAY BASELINE FLUVIAL  
 FLOOD EXTENTS FOR THE LEEIE AREA

**DRAWING NO.:**  
 FIGURE 34

**DATE:** JAN 2020      **DRAWN:** E.H.      **SCALE:** 1:8,000 @A3







**NOTES**

**KEY**

- SIZEWELL C AND ASSOCIATED DEVELOPMENT SITE BOUNDARIES
- - - DEMARCATION LINE
- MAIN RIVERS
- ORDINARY WATERCOURSES

**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 1000 AND 1 IN 100 ANNUAL PROBABILITY OF FLOODING)
- VERY LOW RISK (LESS THAN 1 IN 1000 ANNUAL PROBABILITY OF FLOODING)

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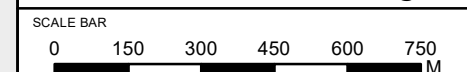


**DOCUMENT:**  
 SIZEWELL C  
 MAIN DEVELOPMENT SITE  
 FLOOD RISK ASSESSMENT

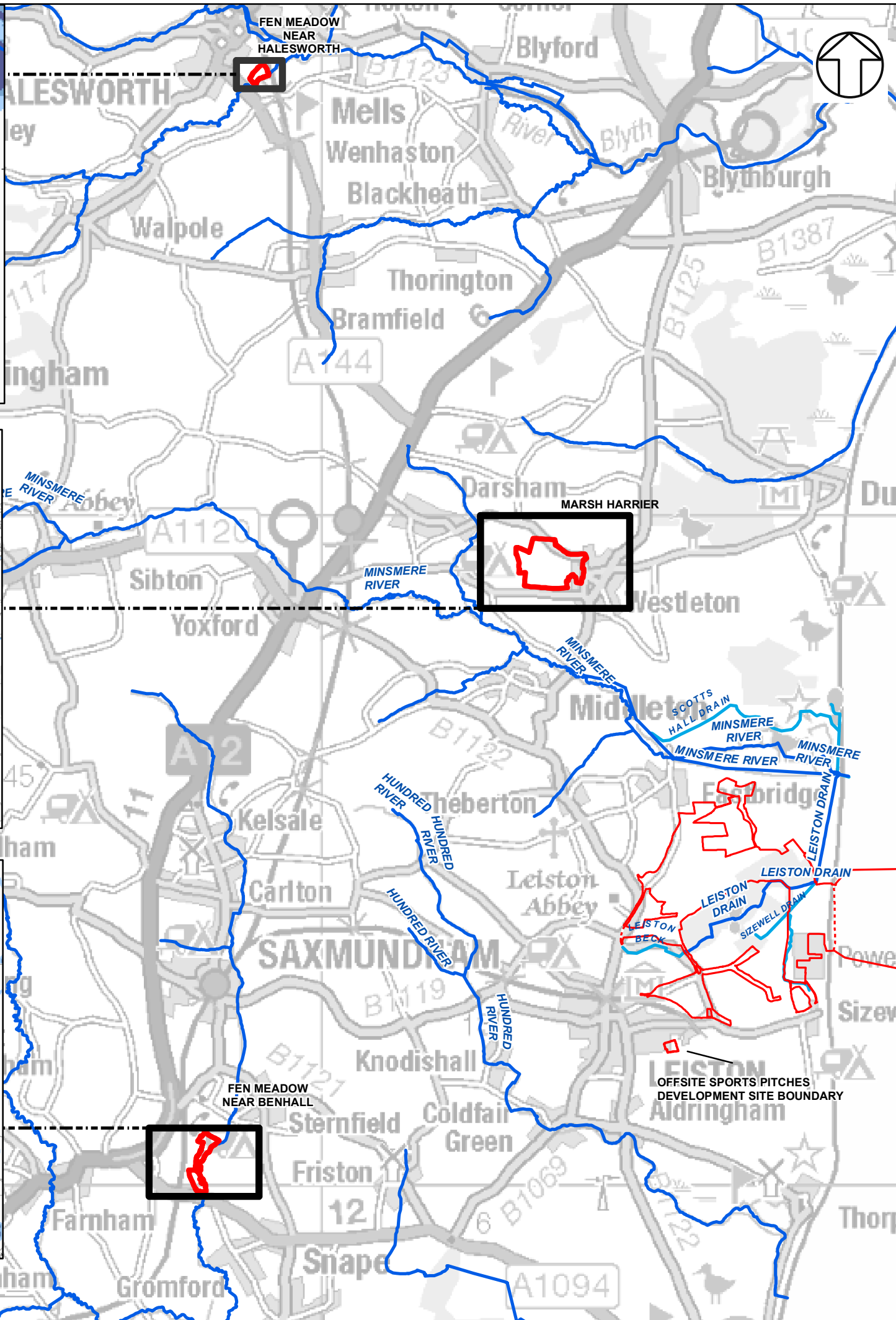
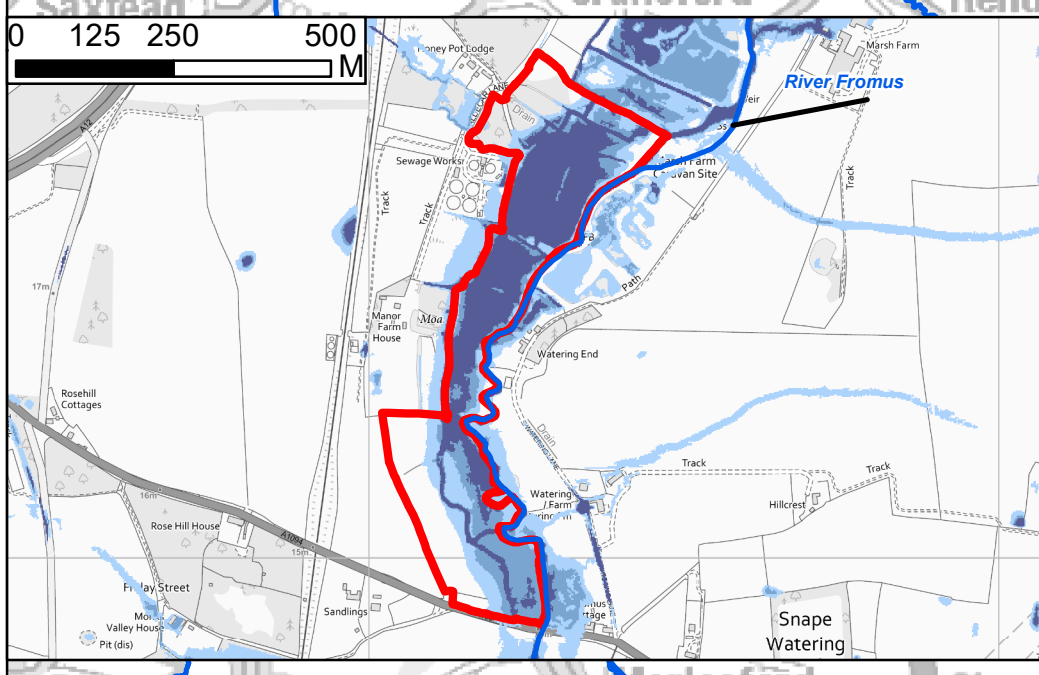
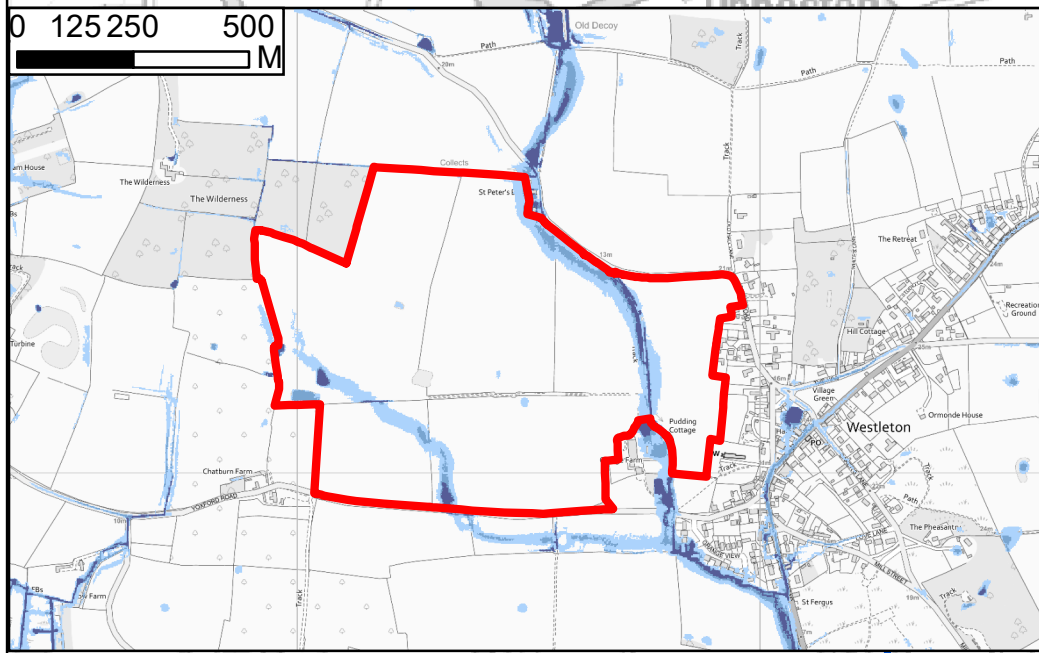
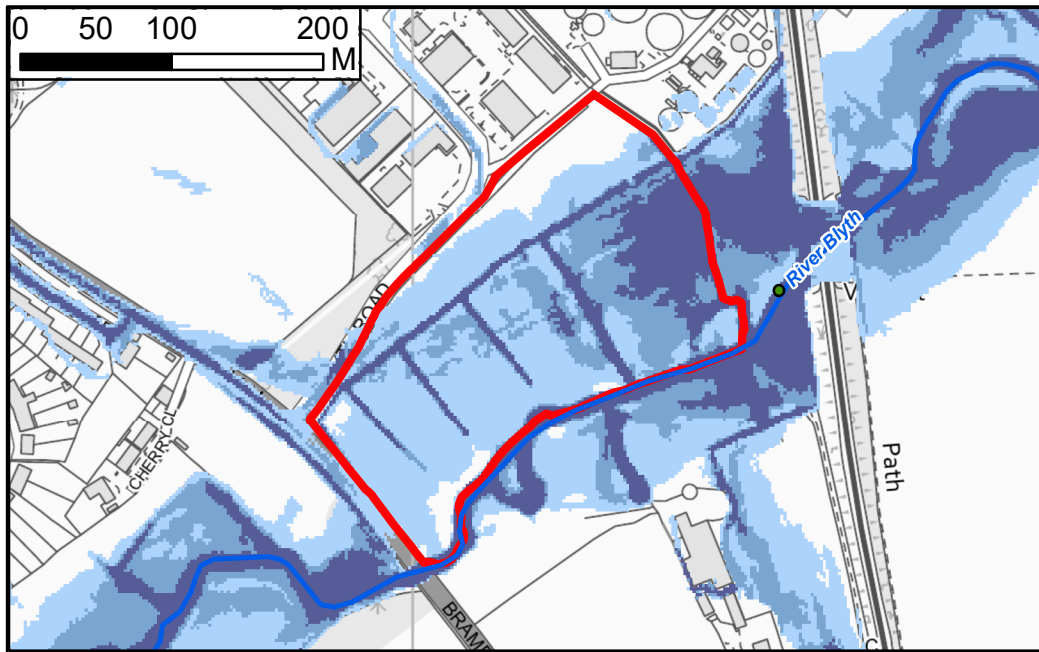
**DRAWING TITLE:**  
 ENVIRONMENT AGENCY SURFACE  
 WATER FLOOD RISK MAP

**DRAWING NO:**  
 FIGURE 35

**DATE:** JAN 2020      **DRAWN:** E.H.      **SCALE:** 1:15,500 @A3







- NOTES**
- KEY**
- SIZEWELL C AND ASSOCIATED DEVELOPMENT SITE BOUNDARIES
  - DEMARCATION LINE
  - ORDINARY WATERCOURSES
  - MAIN RIVERS
- 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 1000 AND 1 IN 100 ANNUAL PROBABILITY OF FLOODING)
  - VERY LOW RISK (LESS THAN 1 IN 1000 ANNUAL PROBABILITY OF FLOODING)

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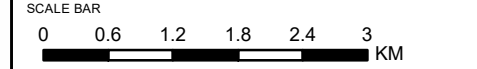


**DOCUMENT:**  
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 MAIN DEVELOPMENT SITE  
 FLOOD RISK ASSESSMENT

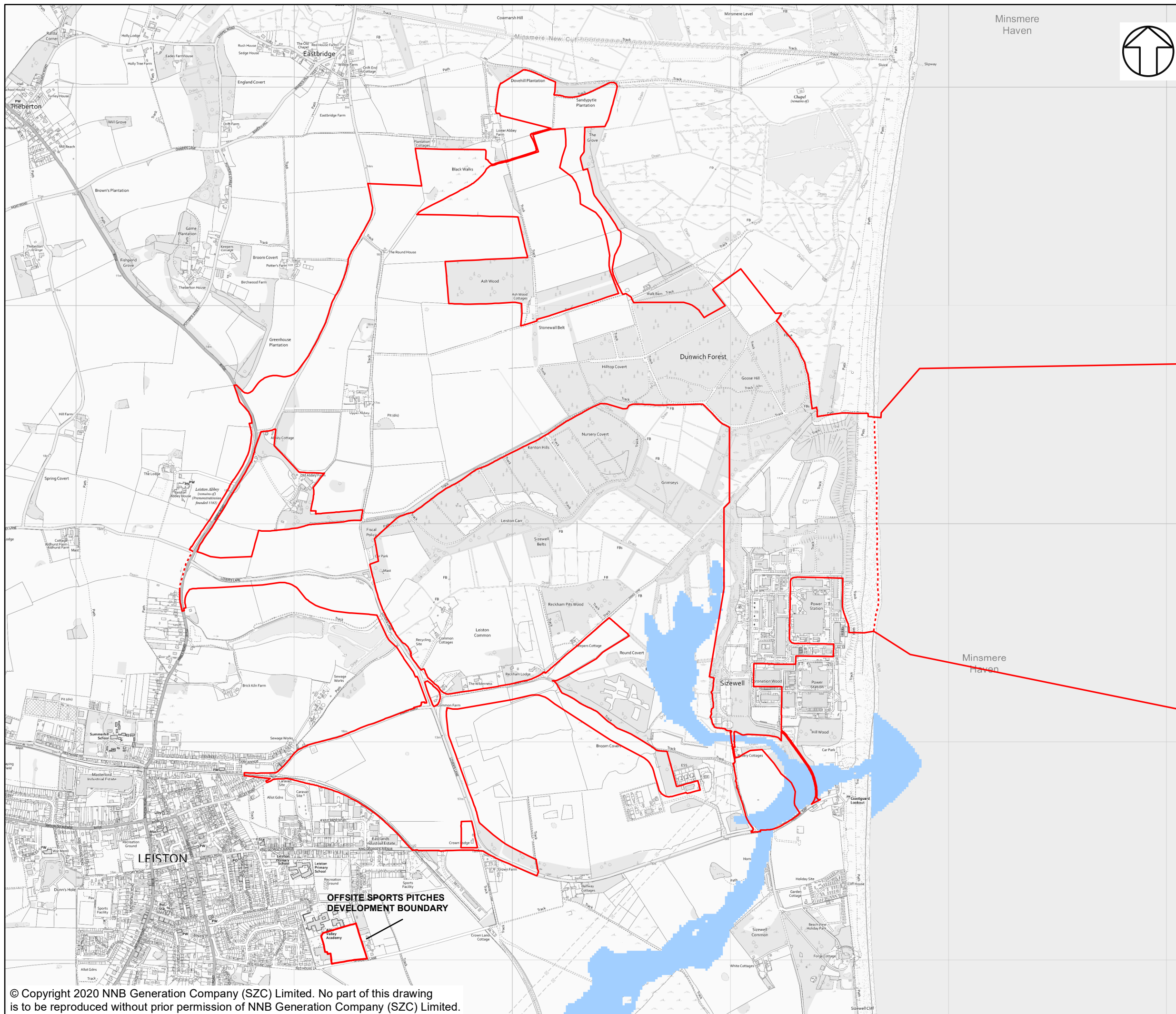
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 ENVIRONMENTAL COMPENSATION AREAS  
 ENVIRONMENT AGENCY RISK OF  
 SURFACE WATER FLOODING

**DRAWING NO:**  
 FIGURE 36

**DATE:** JAN 2020     **DRAWN:** E.H.     **SCALE:** 1:70,000 @A3







**NOTES**

**KEY**

- SIZEWELL C AND ASSOCIATED DEVELOPMENT SITE BOUNDARIES
- - - DEMARCATION LINE
- ENVIRONMENT AGENCY RISK OF FLOODING FROM RESERVOIRS EXTENT

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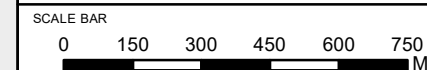


**DOCUMENT:**  
 SIZEWELL C  
 MAIN DEVELOPMENT SITE  
 FLOOD RISK ASSESSMENT

**DRAWING TITLE:**  
 RESERVOIR MAXIMUM FLOOD EXTENTS  
 FOR THE MAIN DEVELOPMENT SITE

**DRAWING NO:**  
 FIGURE 37

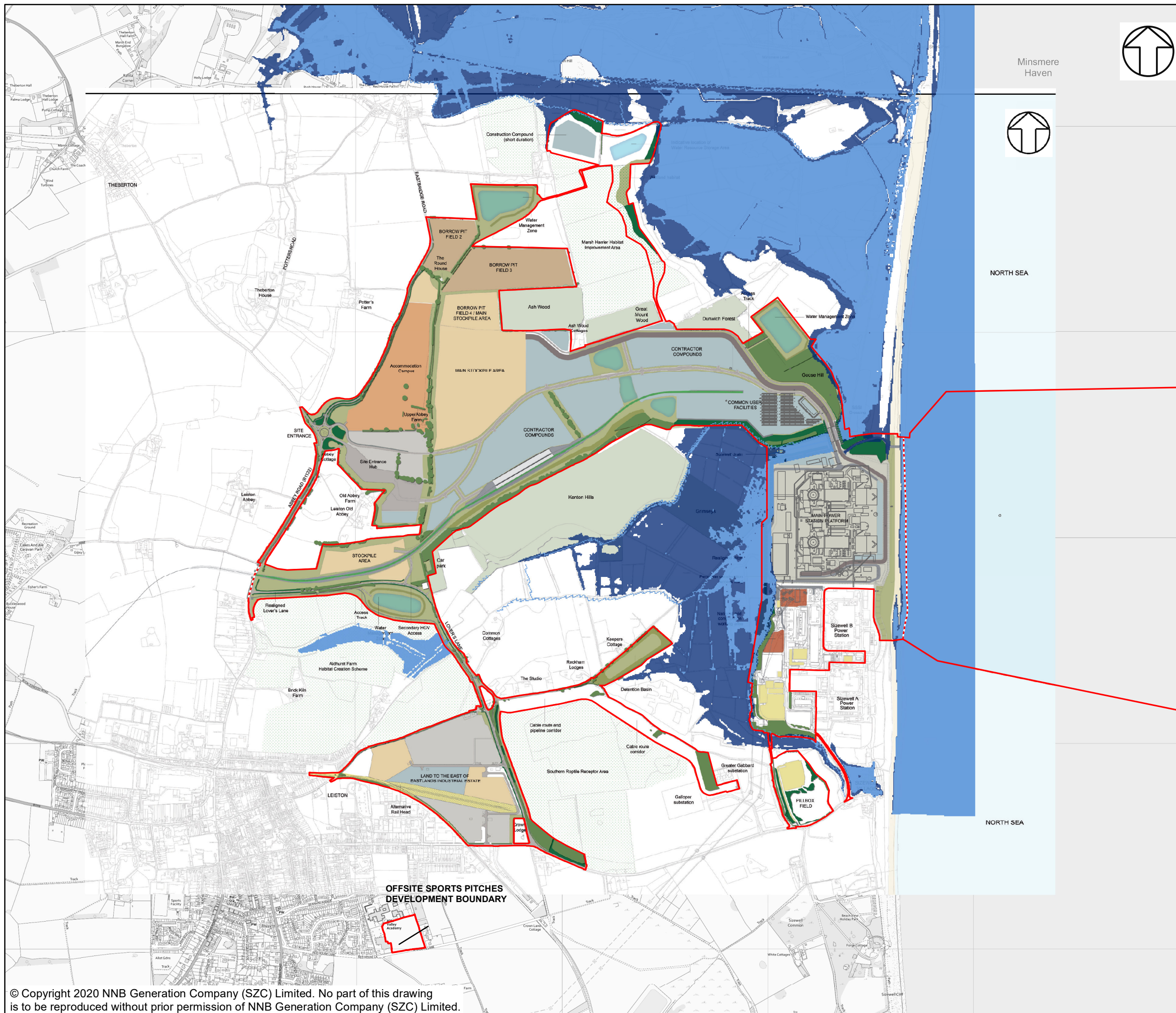
**DATE:** JAN 2020      **DRAWN:** P.S.      **SCALE:** 1:16,500 @A3











Minsmere Haven



NORTH SEA

NORTH SEA

**NOTES**

**KEY**

- SIZEWELL C AND ASSOCIATED DEVELOPMENT SITE BOUNDARIES
- DEMARCATION LINE
- WITH SCHEME 200YR COASTAL INUNDATION FLOOD EXTENT (2030)
- WITH SCHEME 1000YR COASTAL INUNDATION FLOOD EXTENT (2030)

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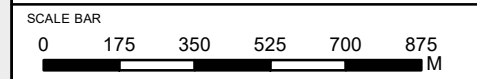


**DOCUMENT:**  
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 MAIN DEVELOPMENT SITE  
 FLOOD RISK ASSESSMENT

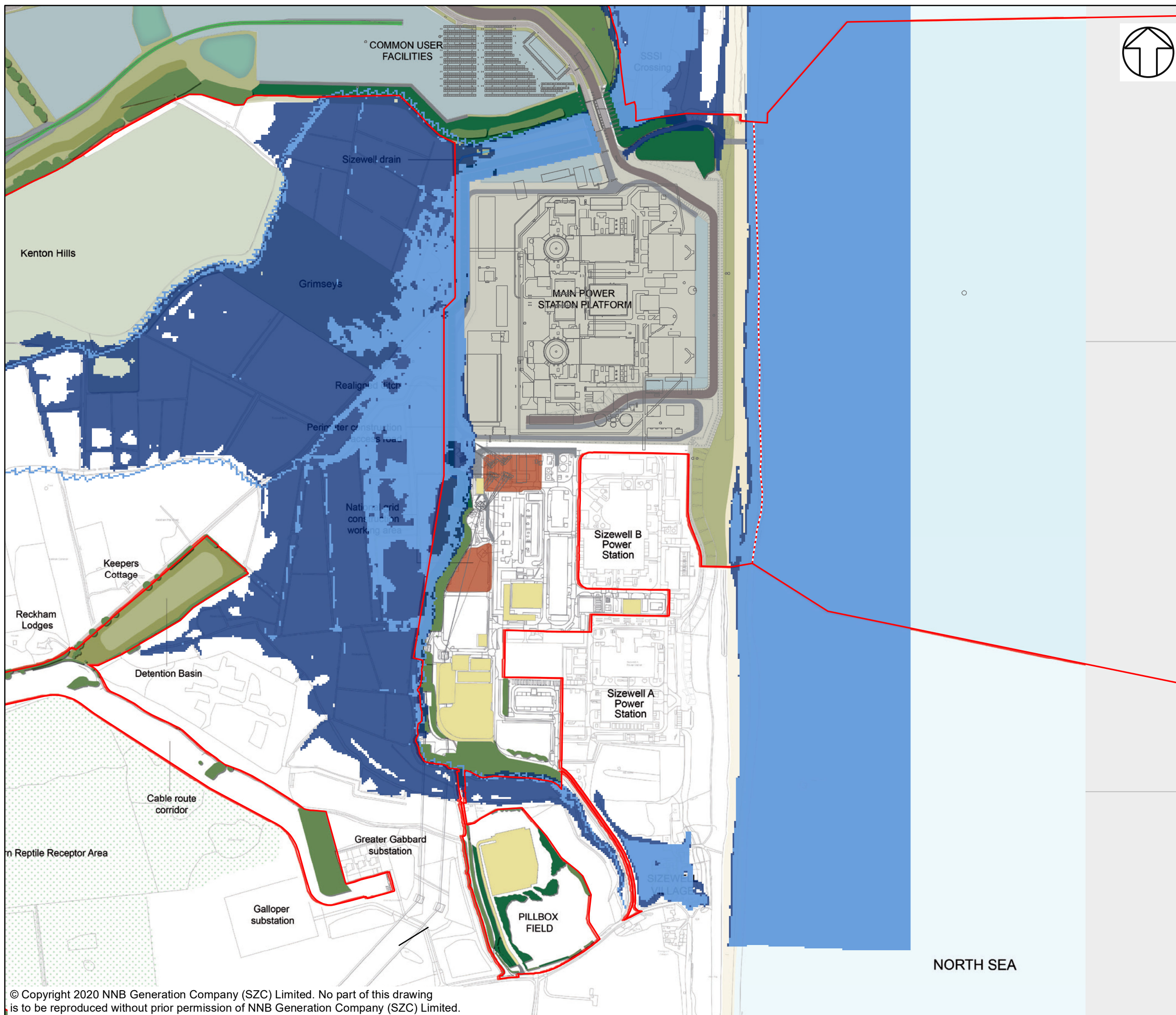
**DRAWING TITLE:**  
 COASTAL INUNDATION 'WITH SCHEME' MODEL  
 RESULTS FOR 1 IN 200-YEAR AND 1 IN 1,000-YEAR  
 EVENT WITH CLIMATE CHANGE UP TO 2030 FOR THE STUDY AREA

**DRAWING NO:**  
 FIGURE 39

**DATE:** JAN 2020      **DRAWN:** E.H.      **SCALE:** 1:17,500 @A3







**NOTES**

**KEY**

- SIZEWELL C AND ASSOCIATED DEVELOPMENT SITE BOUNDARIES
- - - DEMARCATION LINE
- WITH SCHEME 200YR COASTAL INUNDATION FLOOD EXTENT (2030)
- WITH SCHEME 1000YR COASTAL INUNDATION FLOOD EXTENT (2030)

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**DOCUMENT:**  
 SIZEWELL C  
 MAIN DEVELOPMENT SITE  
 FLOOD RISK ASSESSMENT

**DRAWING TITLE:**  
 COASTAL INUNDATION 'WITH SCHEME' MODEL  
 RESULTS FOR 1 IN 200-YEAR AND 1 IN 1,000-YEAR  
 EVENT WITH CLIMATE CHANGE UP TO 2030 FOR THE MAIN PLATFORM

**DRAWING NO:**  
 FIGURE 40

**DATE:** JAN 2020      **DRAWN:** E.H.      **SCALE:** 1:8,000 @A3

