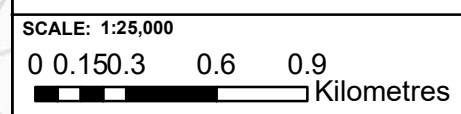


- Key:**
- Newbuild Infrastructure Boundary
  - Indicative alignment of the Ince AGI to Stanlow AGI Pipeline
  - Indicative alignment of the Stanlow AGI To Flint AGI Pipeline
  - Mollington BVS (Indicative Location)
  - Rock Bank BVS (Indicative Location)
  - Reservoir Flood Extents Wet Day
  - Reservoir Flood Extents Dry Day



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## HyNet North West

**PROJECT TITLE**  
 HyNet Carbon Dioxide Pipeline DCO

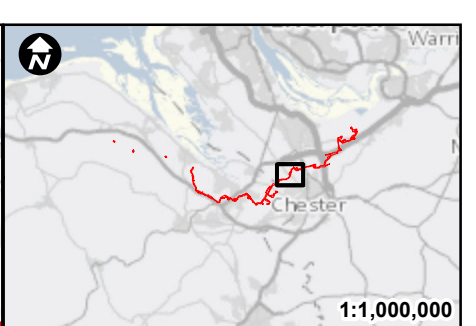
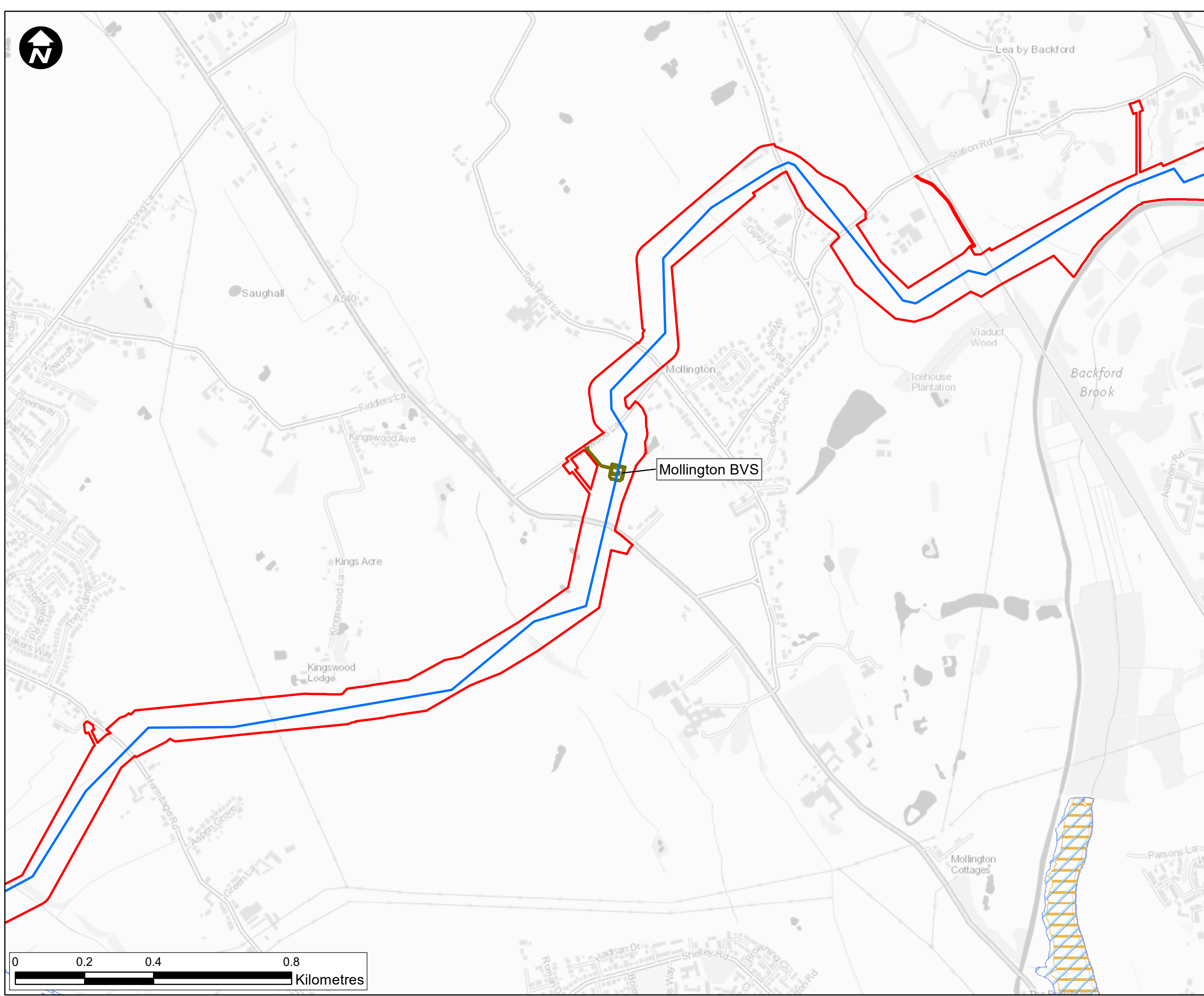
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 Figure 18.4.18  
 Rock Bank Reservoir Flood Map -  
 Knolls Bridge Wet/Dry

**DRAWING STATUS**  
 FOR DESIGN CHANGE REQUEST 1

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SCALE @ A3 SIZE 1:25,000	DATE 21/03/2023	REVISION B
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**DRAWING NUMBER**  
 EN070007-APP-ES-18.4.18



- Legend**
- ▭ Newbuild Infrastructure Boundary
  - ▬ StanlowAGI To Flint AGI Indicative Alignment of the Newbuild Carbon Dioxide Pipeline
  - ▨ Reservoir Flood Extents Wet Day
  - ▨ Reservoir Flood Extents Dry Day
  - ▬ Mollington BVS (indicative location)

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## HyNet North West

### PROJECT TITLE HyNet Carbon Dioxide Pipeline

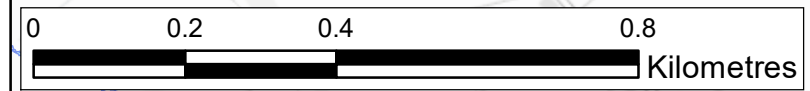
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Figure 18.4.19 - Mollington Reservoir Flood Map - Knolls Bridge Wet/Dry-Sheet 1

**DRAWING STATUS**  
FOR INFORMATION

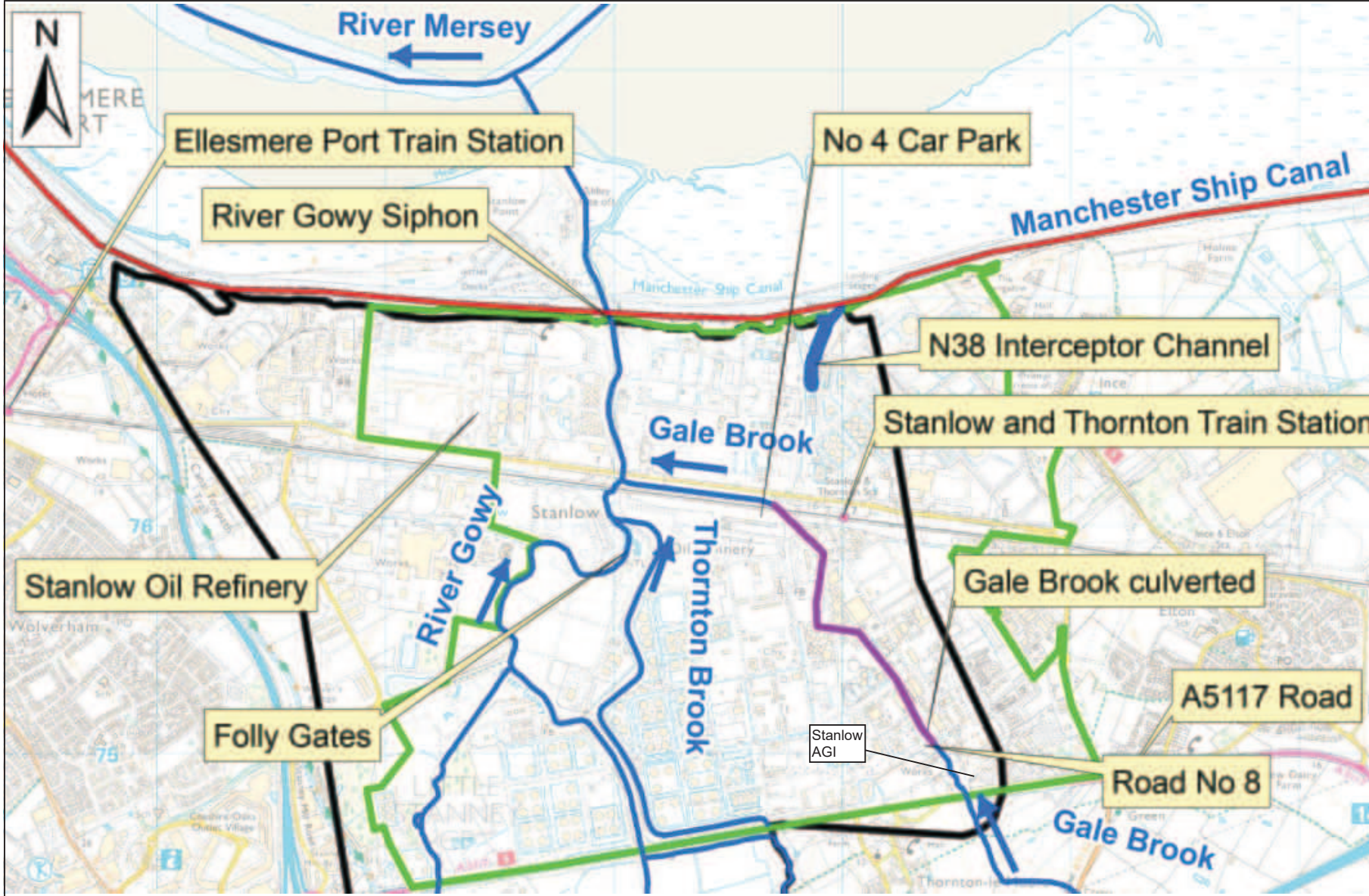
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**DRAWING NUMBER**  
EN070007-APP-ES-18.4.19-Sheet 1



# Annex I



- Legend**
- Culvert
  - Main River
  - Manchester Ship Canal (MSC)
  - Stanlow Oil Refinery - Site Boundary
  - Stanlow Model Boundary

Note: This drawing is from the study "Stanlow and Tranmere Hydraulic Modelling Report" Figure 1-3: Stanlow Study Area. The study was undertaken by Jacobs on behalf of the Environment Agency in 2019.

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**HyNet North West**

PROJECT TITLE  
**HyNet Carbon Dioxide Pipeline**

DRAWING TITLE  
Figure 18.4.20 - Stanlow Study Area - Stanlow AGI Sheet 1

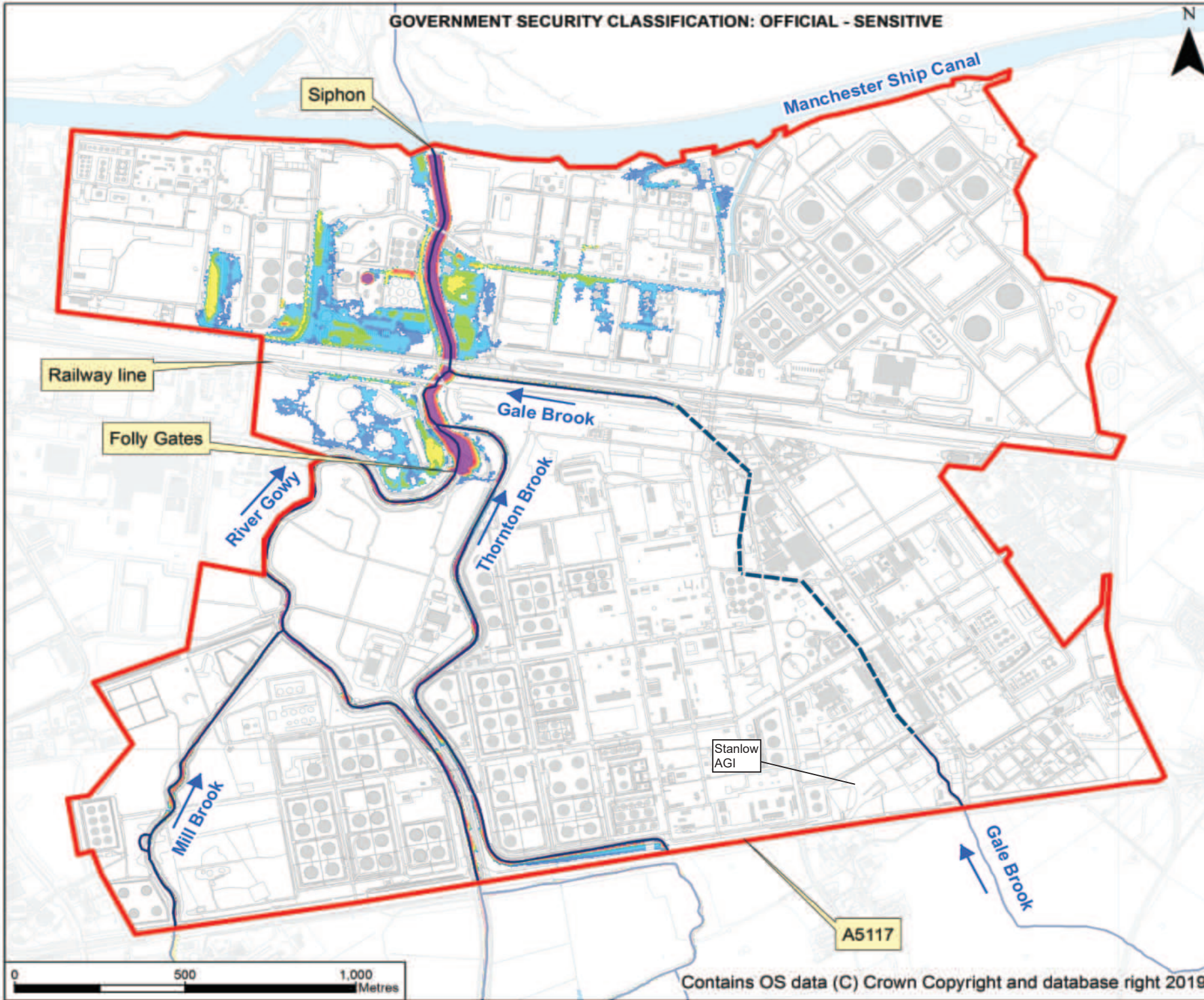
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LS	GS	EI	MT

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1:25,000	22/03/2023	B

DRAWING NUMBER  
EN070007-APP-ES-18.4.20 - Sheet 1





**Legend**

**Maximum Flood Depth (m)**

- < 0.1
- 0.1 - 0.3
- 0.3 - 0.5
- 0.5 - 0.8
- 0.8 - 1.0
- 1.0 - 2.0
- > 2.0

**Key Features**

- Stanlow Oil Refinery - Site Boundary
- Culverted Watercourse
- Open Watercourse

Note: This drawing is from the study "Stanlow and Tranmere Hydraulic Modelling Report" Drawing number ENVIMNW000998-JAC-0-00-MP-HY-0059. The study was undertaken by Jacobs on behalf of the Environment Agency in 2019.

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**HyNet North West**

PROJECT TITLE  
**HyNet Carbon Dioxide Pipeline**

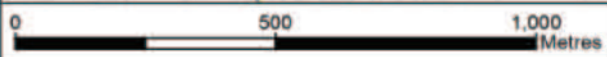
DRAWING STYLE  
Figure 18.4.20 - Stanlow Tidal Flooding MSC Breach Scenario 1 in 200 yr Stanlow AGI - Sheet 2

DRAWING STATUS  
FOR DESIGN CHANGE REQUEST 1

TEAM	CHECKED	APPROVED	AUTHORIZED
GS	EI	EI	MT

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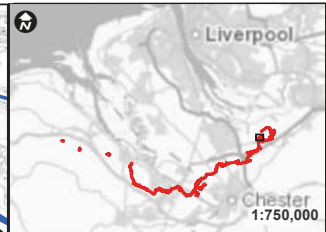
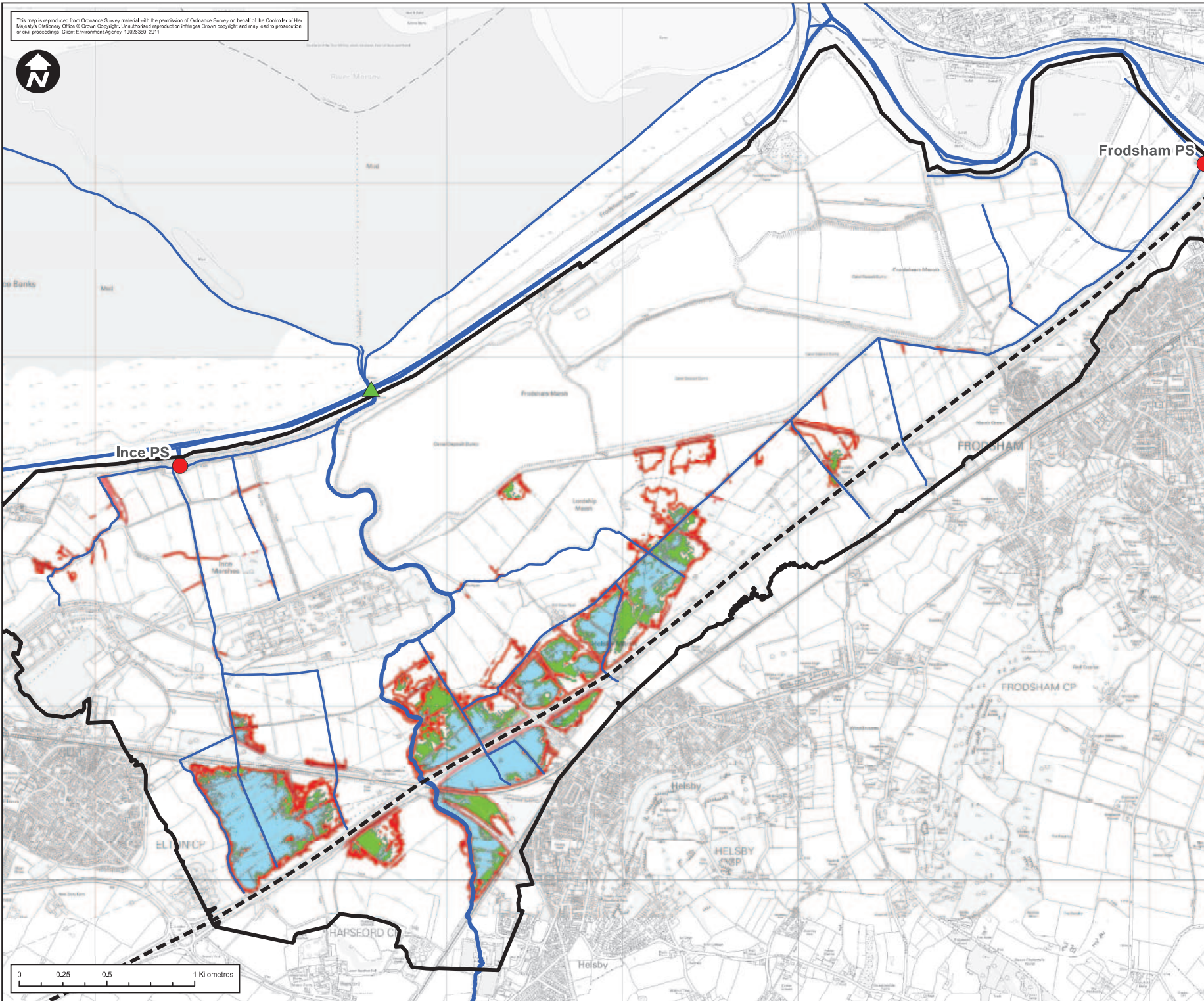
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# Annex J

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**Legend**

- Study area
- River centreline
- M56 motorway
- Pumping Stations**
- ON
- OFF
- Hoolpool Gutter siphon
- Do Minimum - 1 in 2yr
- Do Minimum - 1 in 10yr
- Do Minimum - 1 in 100yr

Note: This drawing is taken by the study "Ince and Frodsham Marshes Maintenance Strategic Study" Figure A.6.2 rev 2. The study was undertaken by Halcrow on behalf of the Environment Agency in 2011.

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## HyNet North West

PROJECT TITLE  
**HyNet Carbon Dioxide Pipeline**

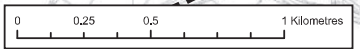
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Figure 18.4.21 - Flood Extent Do Minimum Scenario - Sheet 1

DRAWING STATUS  
FOR DESIGN CHANGE REQUEST 1

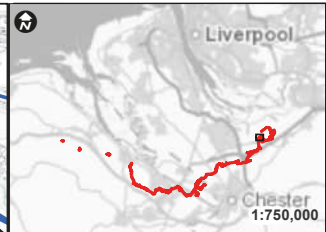
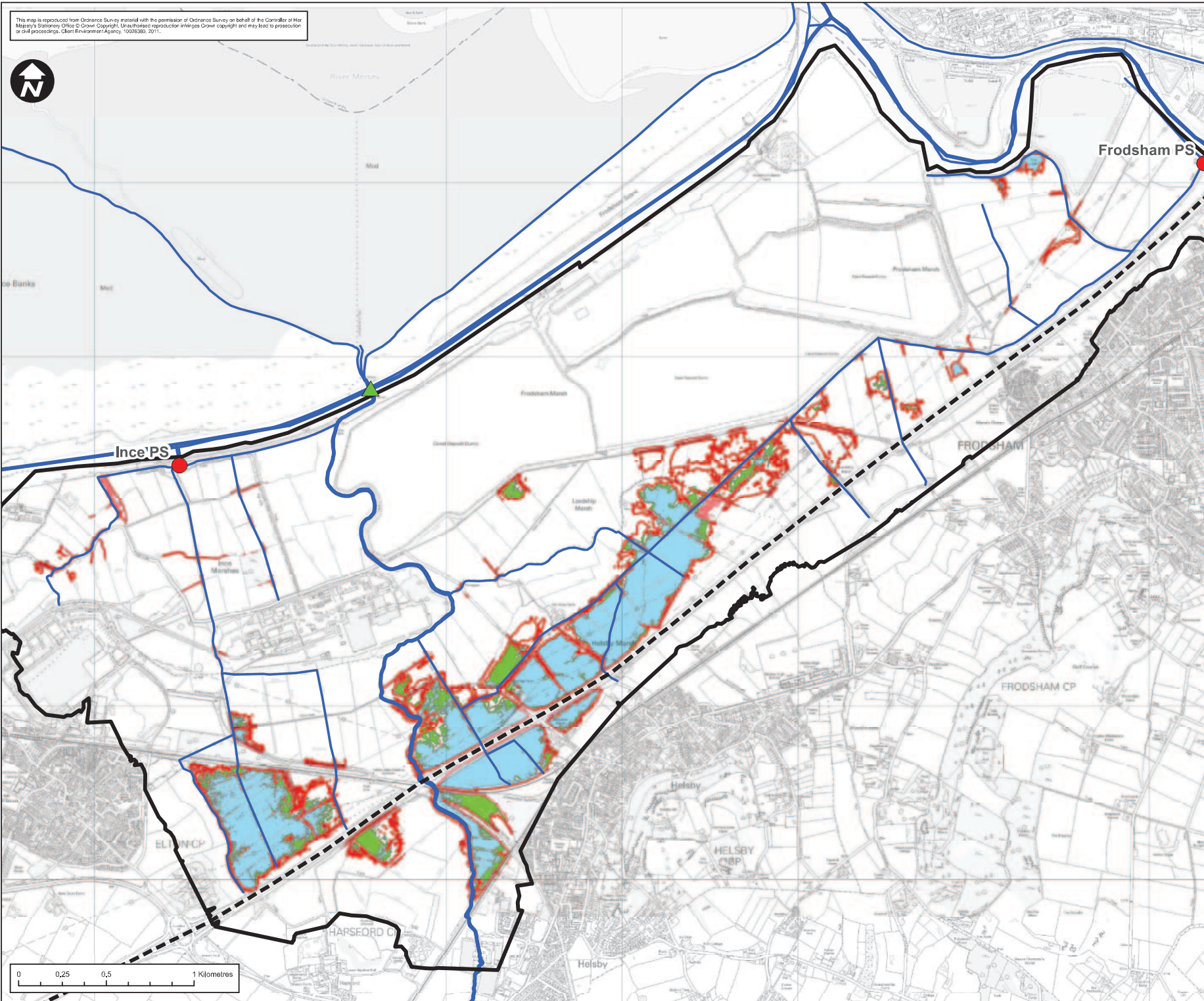
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DRAWING NUMBER  
EN070007-APP-ES-18.4.21-Sheet 1



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**Legend**

- Study area
- River centreline
- M56 motorway

**Pumping Stations**

- ON
- OFF
- Hoolpool Gutter siphon
- Pump at Ince Only - 1 in 2yr
- Pump at Ince Only - 1 in 10yr
- Pump at Ince Only - 1 in 100yr

Note: This drawing is taken by the study "Ince and Frodsham Marshes Maintenance Strategic Study" Figure A.6.2 rev 2. The study was undertaken by Halcrow on behalf of the Environment Agency in 2011.

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## HyNet North West

PROJECT TITLE  
**HyNet Carbon Dioxide Pipeline**

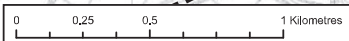
DRAWING TITLE  
Figure 18.4.21 - Flood Extent  
Pump At Ince Only - Sheet 2

DRAWING STATUS  
FOR DESIGN CHANGE REQUEST 1

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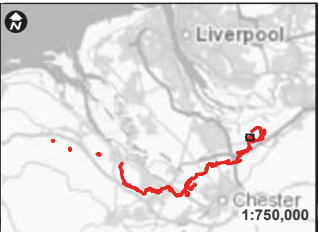
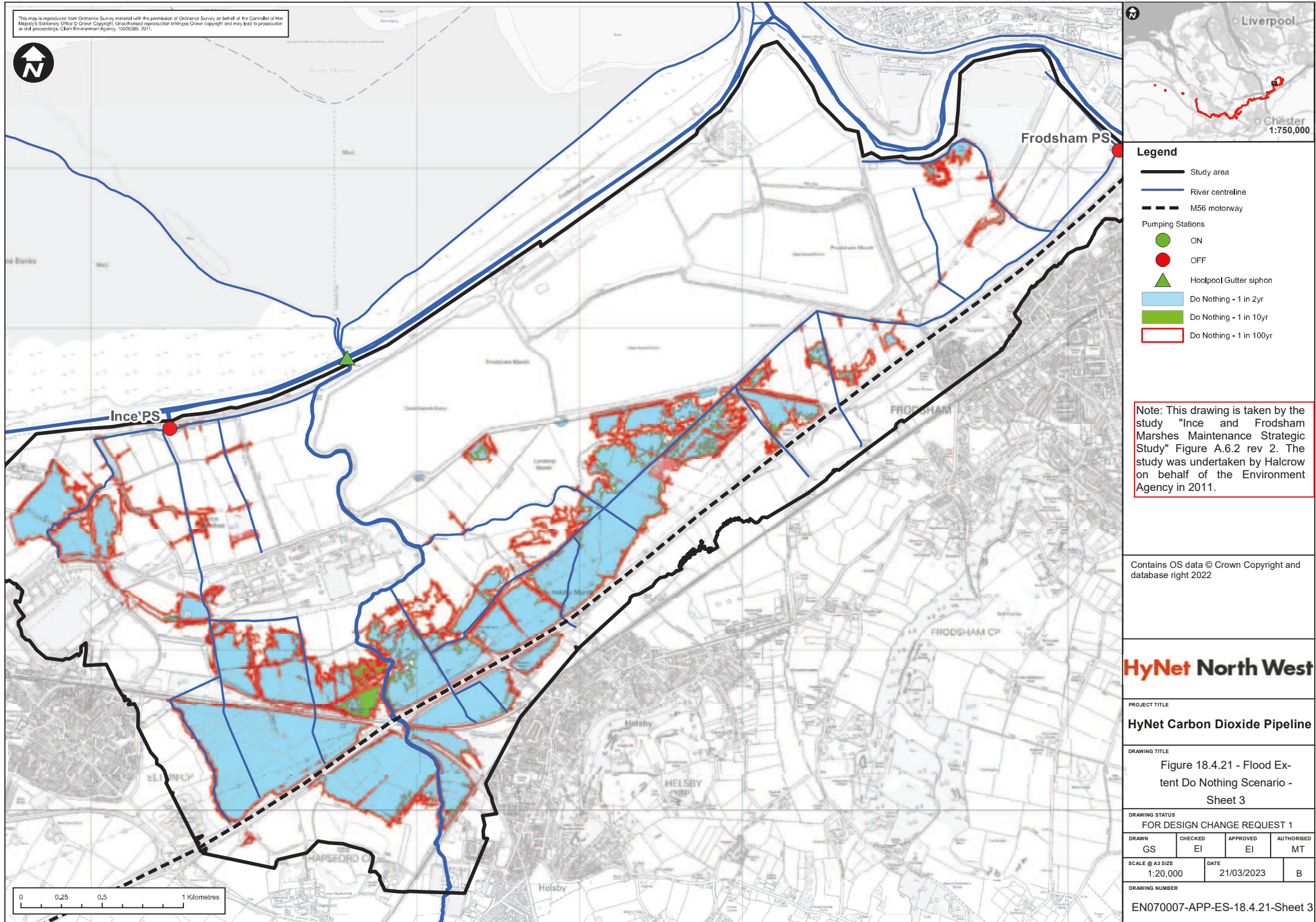
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EN070007-APP-ES-18.4.21-Sheet 2





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- Legend**
- Study area
  - River centreline
  - M56 motorway
  - Pumping Stations**
  - ON
  - OFF
  - Hootpool Gutter siphon
  - Do Nothing - 1 in 2yr
  - Do Nothing - 1 in 10yr
  - Do Nothing - 1 in 100yr

Note: This drawing is taken by the study "Ince and Frodsham Marshes Maintenance Strategic Study" Figure A.6.2 rev 2. The study was undertaken by Halcrow on behalf of the Environment Agency in 2011.

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## HyNet North West

PROJECT TITLE  
**HyNet Carbon Dioxide Pipeline**

DRAWING TITLE  
Figure 18.4.21 - Flood Extent Do Nothing Scenario - Sheet 3

DRAWING STATUS  
FOR DESIGN CHANGE REQUEST 1

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SCALE @ A3 SIZE	DATE	
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EN070007-APP-ES-18.4.21-Sheet 3

