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EET Fuels

Stanlow Hydrogen Ready Combined Heat and Power Project Development Consent Order

**Environmental Impact Assessment Scoping Report –
Volume 2, Figures**

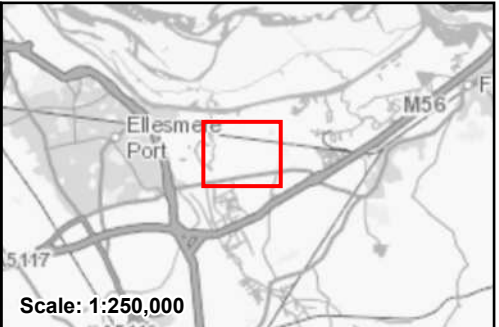
02-09-2026

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Legend
 Site Red Line Boundary

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PROJECT TITLE:
**STANLOW HYDROGEN READY COMBINED
HEAT AND POWER PROJECT
- SCOPING REPORT**

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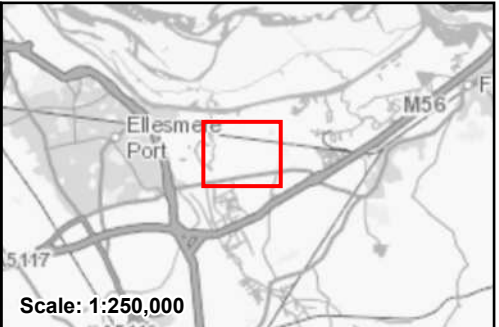
FIGURE 1.1 - SITE LOCATION PLAN

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Legend

- CHP - Phase 2 (STANLOW HYDROGEN READY MODULAR COMBINED HEAT AND POWER PROJECT)
- CHP - Phase 1
- HPP Site Boundary

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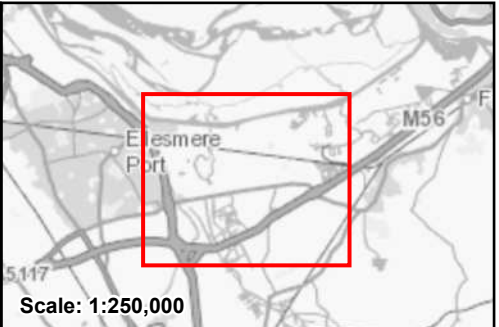
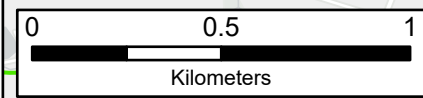
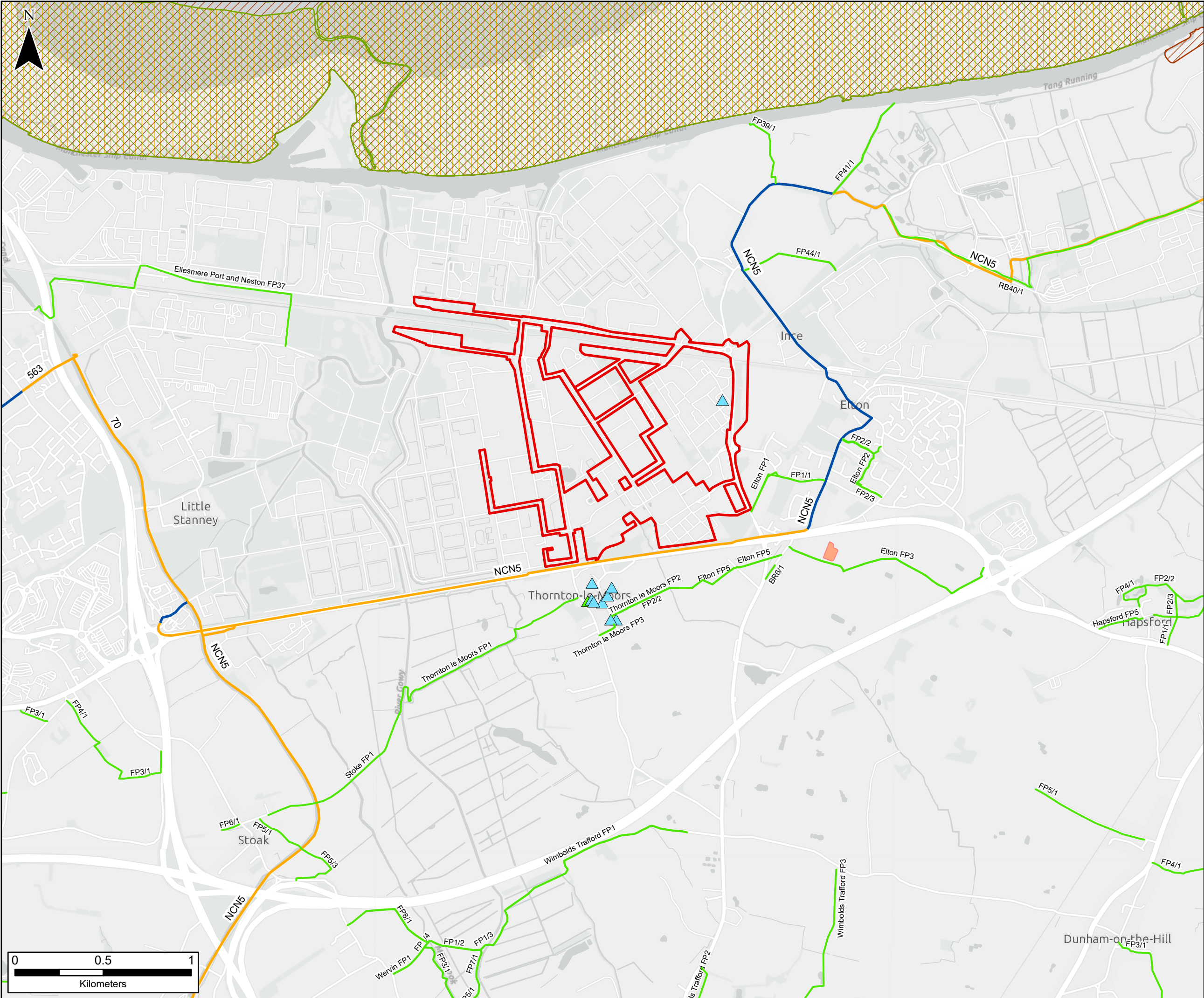
PROJECT TITLE:
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**FIGURE: 1.2
STANLOW PROJECT BOUNDARIES**

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Legend

- Site Red Line Boundary
- Grade I Listed Building
- Grade II Listed Building
- Scheduled Monument
- Special Protected Areas (SPA)
- Special Sites of Scientific Interest (SSSI)
- Ramsar
- Public Rights of Way

National Cycle Network

- Traffic-free
- On-road

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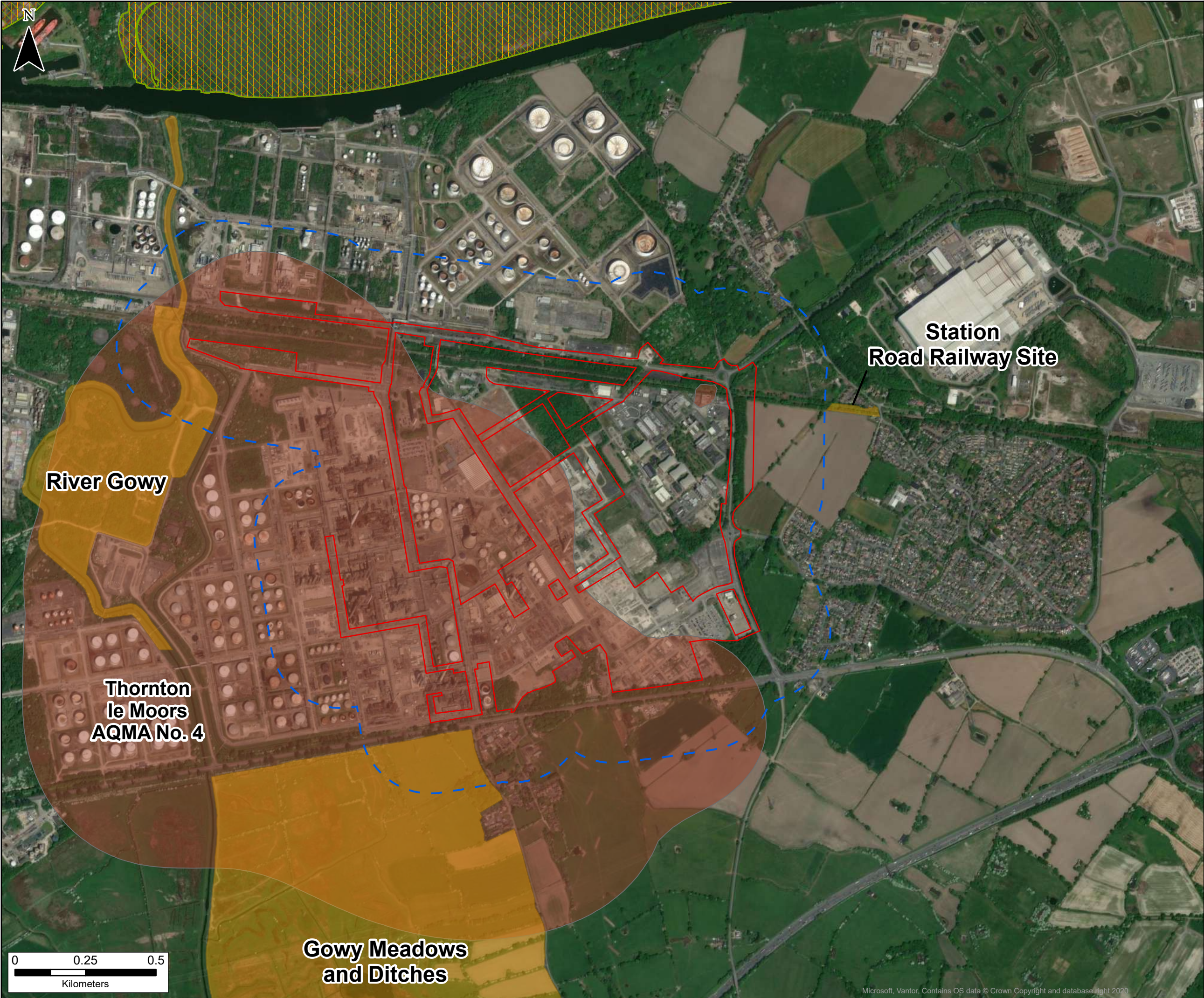
Figure 2.1:
Environmental Constraints Plan

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- Legend**
- Site Red Line Boundary
 - 250m Study Area
 - Air Quality Management Area
 - Ramsar
 - Local Wildlife Sites
 - Special Sites of Scientific Interest (SSSI)
 - Special Protected Areas (SPA)

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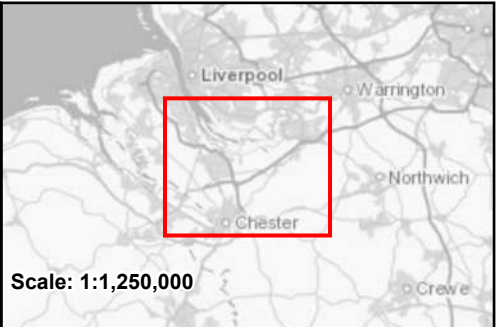
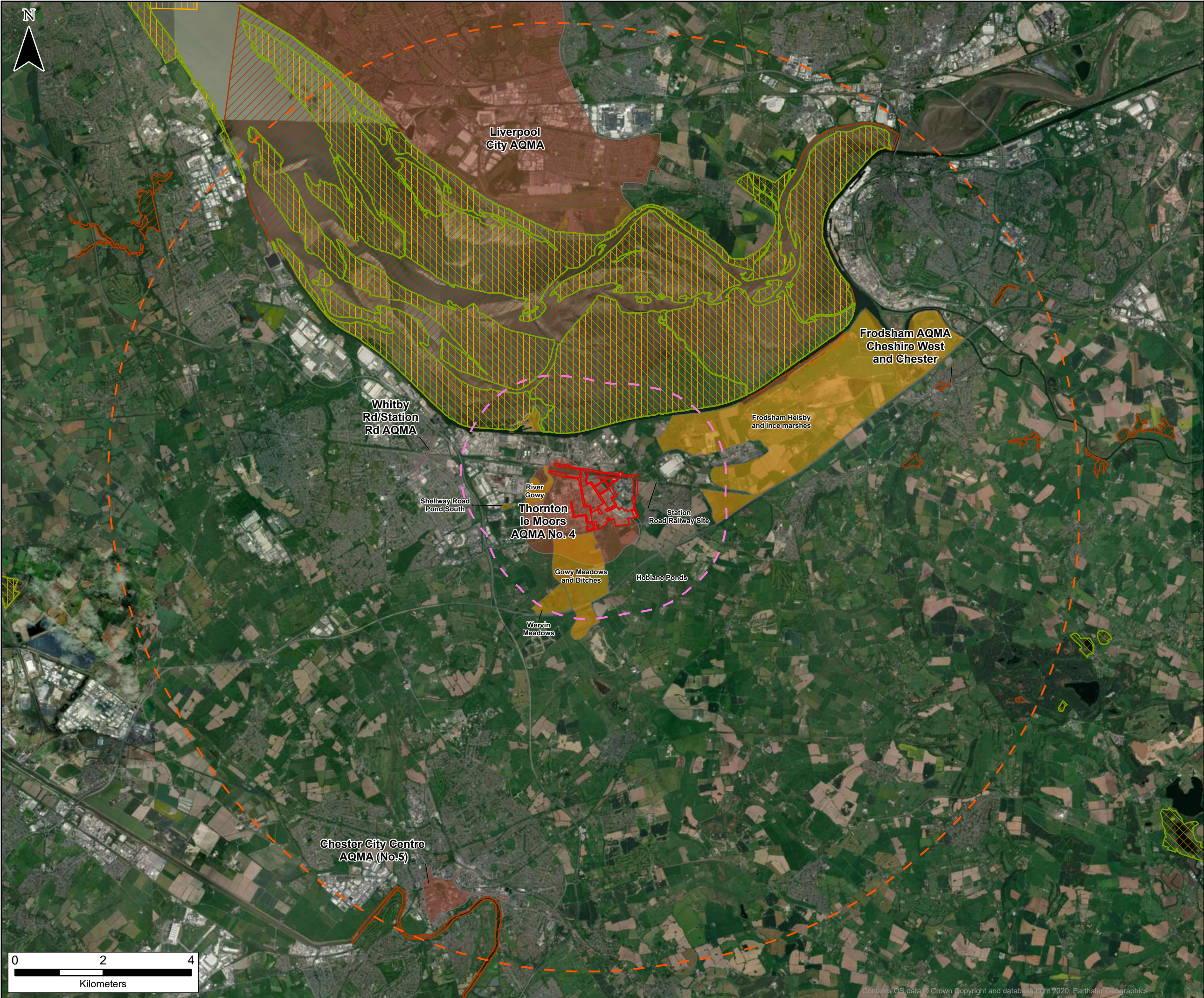
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**FIGURE 5.1:
CONSTRUCTION DUST
ASSESSMENT STUDY AREA**

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- Legend**
- Site Red Line Boundary
 - 2km Study Area
 - 10km Study Area
 - Air Quality Management Area
 - Ramsar
 - Special Sites of Scientific Interest (SSSI)
 - Special Protected Areas (SPA)
 - Local Wildlife Sites

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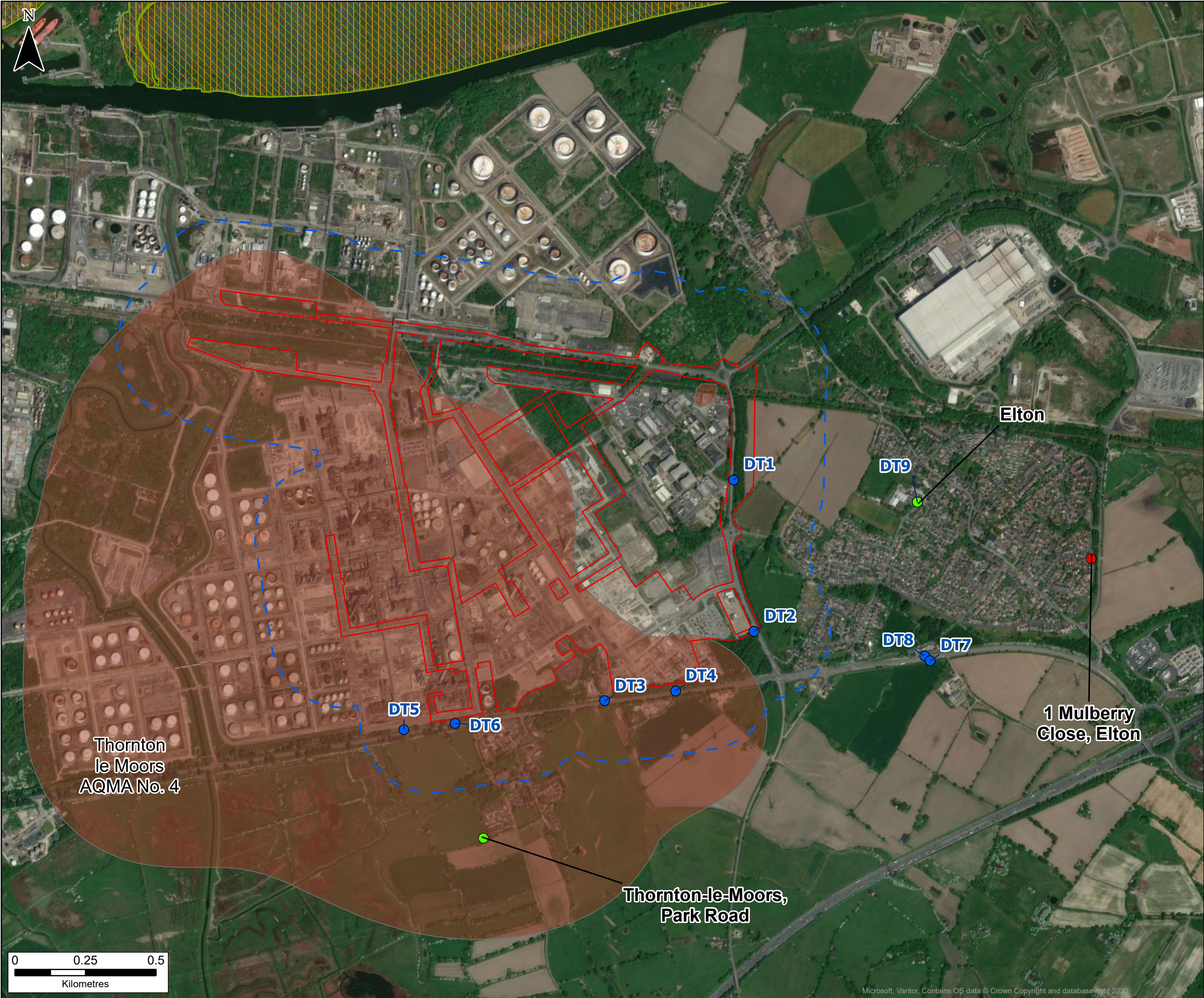
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FIGURE 5.2: OPERATIONAL PHASE STUDY AREA

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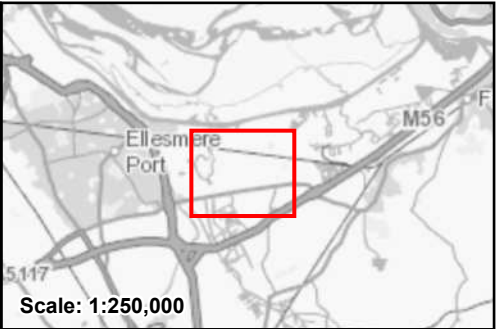


Legend

- Site Red Line Boundary
- 250m Study Area
- Ramsar
- Special Sites of Scientific Interest (SSSI)
- Special Protected Areas (SPA)
- Air Quality Management Area
- Local Authority Diffusion Tube
- Local Authority Automatic Monitor
- Site Specific Survey

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PROJECT TITLE: STANLOW HYDROGEN READY COMBINED HEAT AND POWER PROJECT - SCOPING REPORT			
DRAWING TITLE: FIGURE 5.3: AIR QUALITY MONITORING LOCATIONS			
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Legend

Site Red Line Boundary

Noise Measurement Locations

- P = Position
- LT = Long Term

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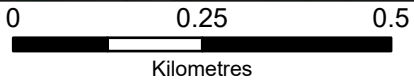
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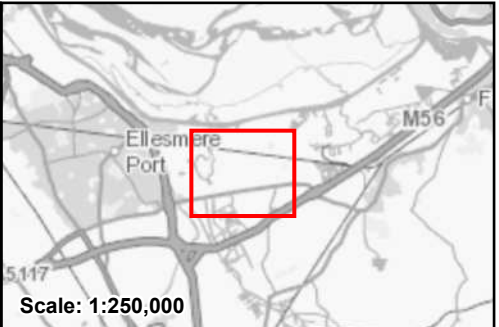
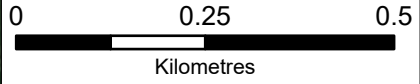
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**FIGURE 6.1:
BASELINE NOISE MEASUREMENT
LOCATIONS**

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Scale: 1:250,000

- Legend**
- Site Red Line Boundary
 - Sensitive Receptors
- R1 Little Meadow Travellers Site
R2 The Stables Travellers Site
R3 Residential properties in Thornton-le-Moors
R4 Residential properties on Parkland Drive Elton
R5 Residential properties on Station Rd Ince

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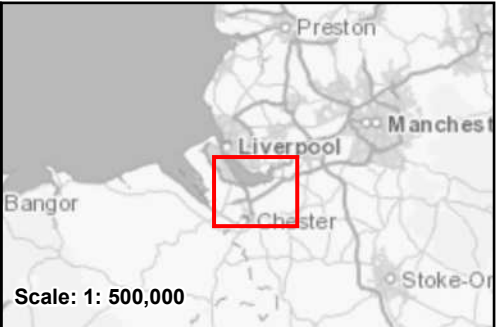
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**FIGURE 6.2:
NOISE AND VIBRATION SENSITIVE
RECEPTORS**

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Legend

- Site Red Line Boundary
- 2km Study Area
- 10km Study Area
- Special Protection Areas © Natural England
- Ramsar (England) © Natural England
- Sites of Special Scientific Interest (England) © Natural England
- Special Areas of Conservation (England) © Natural England
- Local Nature Reserves (England) © Natural England

Ancient Woodland © Natural England

- Ancient & Semi-Natural Woodland
- Ancient Replanted Woodland

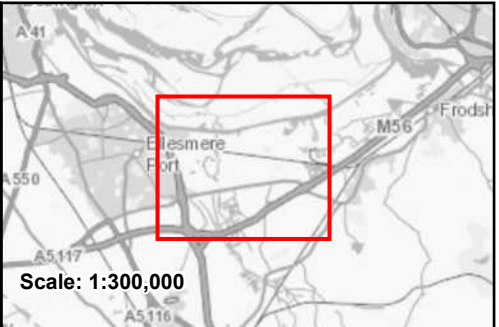
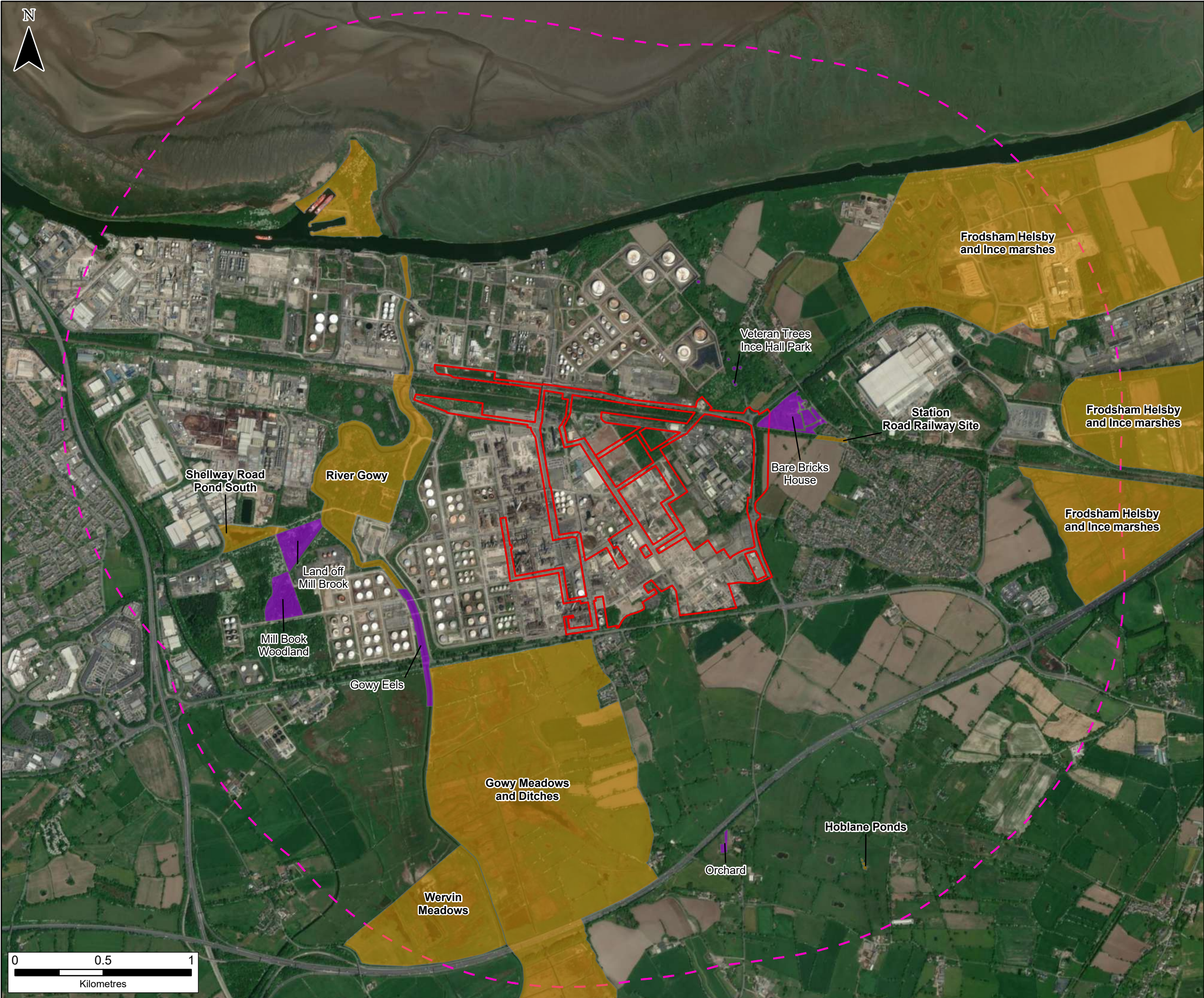
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FIGURE 7.1: DESIGNATED SITE PLAN- STATUTORY

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- Legend**
- Site Red Line Boundary
 - 2km Study Area
 - Local Wildlife Sites
 - Potential Local Wildlife Sites

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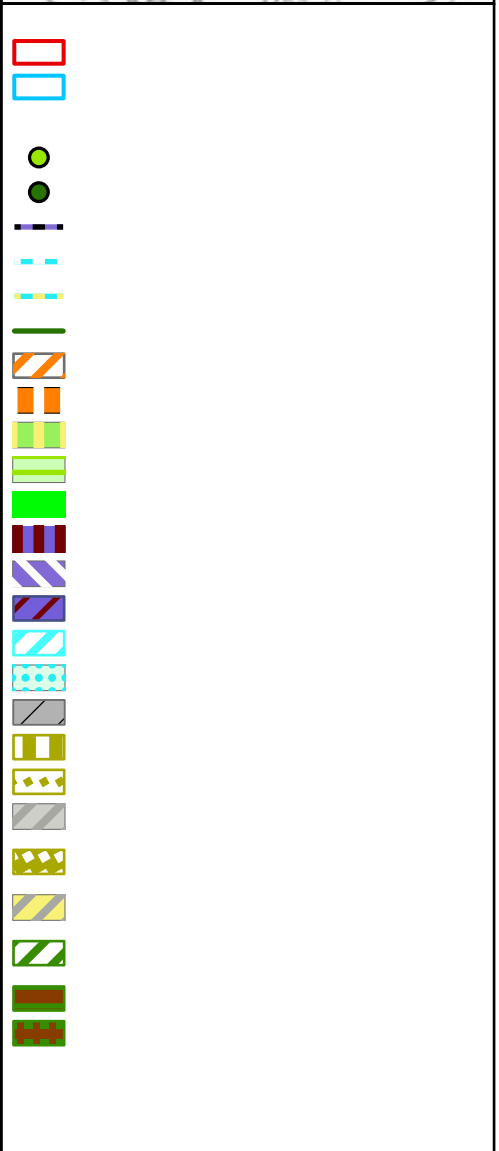
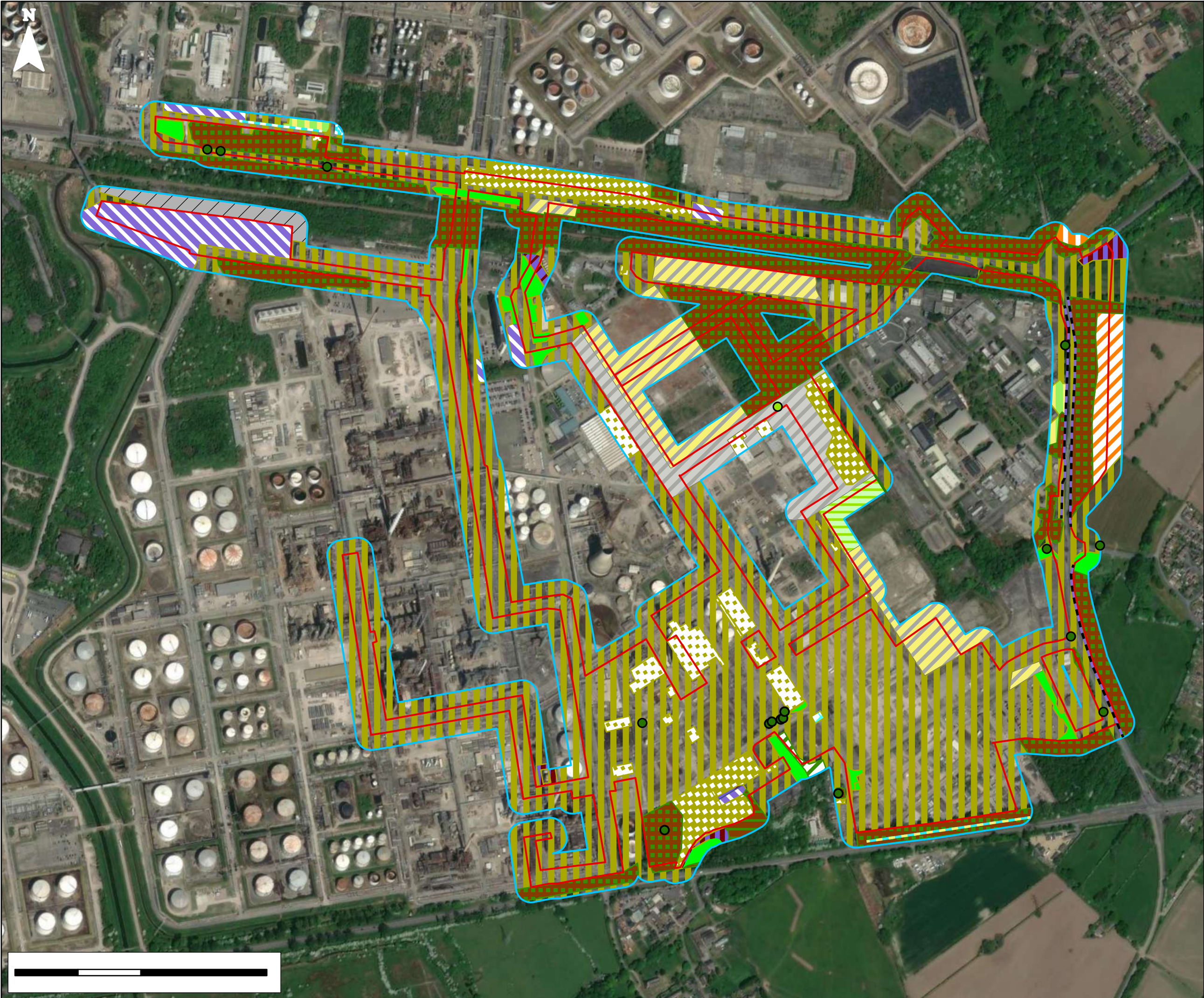
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**FIGURE 7.2:
DESIGNATED SITES PLAN-
NON-STATUTORY**

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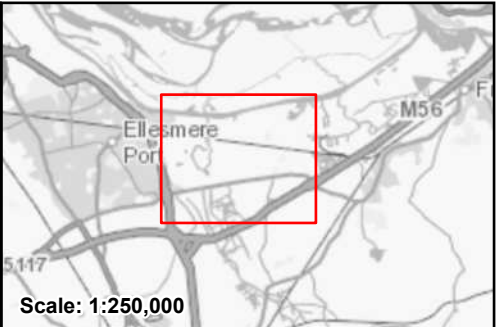
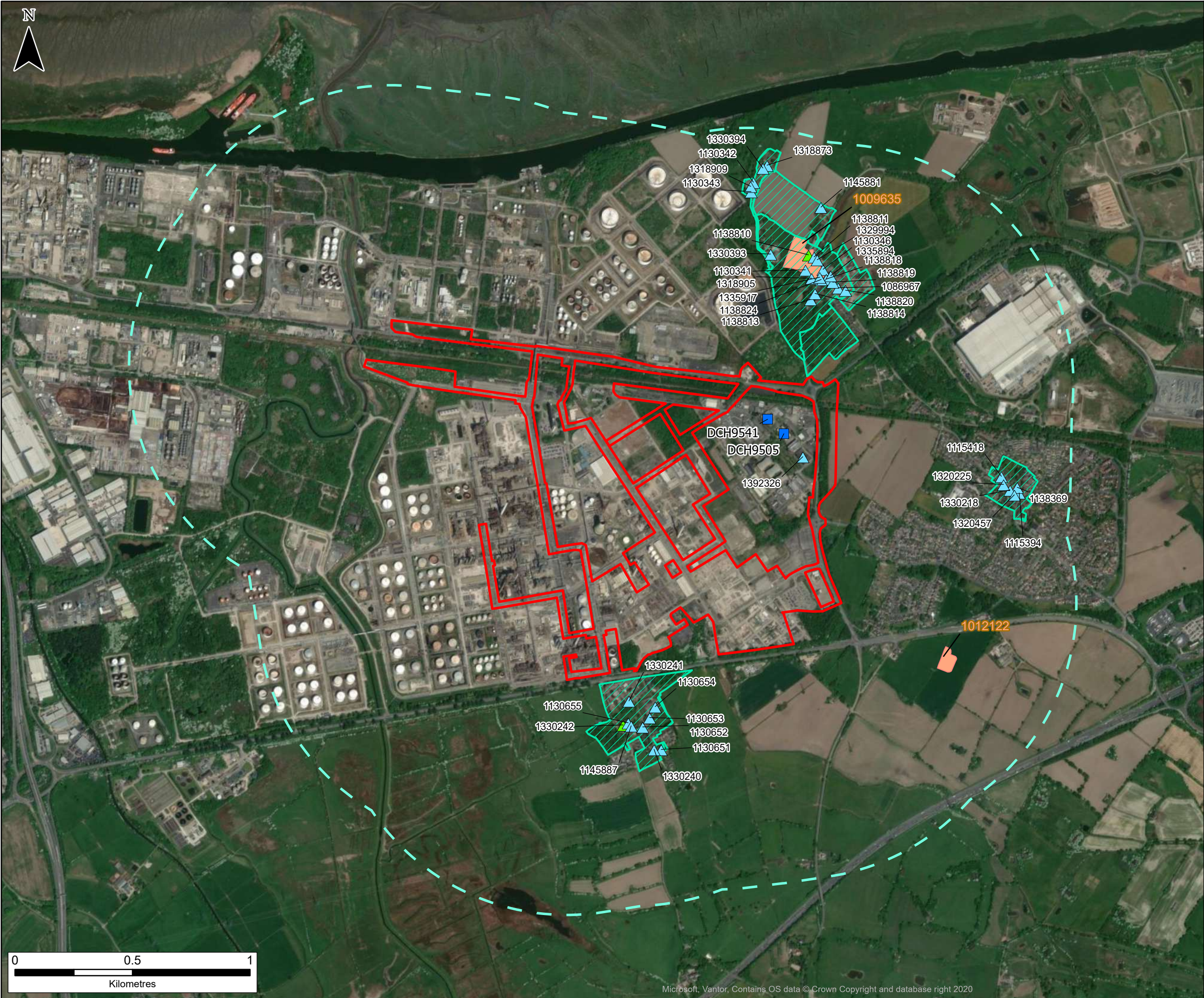
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Legend

- Site Red Line Boundary
- 1km Study Area
- Grade I Listed Building
- Grade II Listed Building
- Locally Listed Building
- Scheduled Monument
- Cheshire West and Chester Conservation Areas

Note: the feature labels on this plan refer to the National Heritage List for England reference numbers

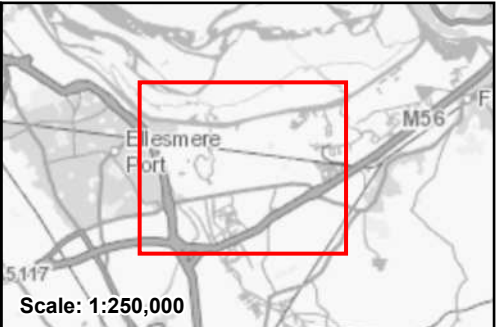
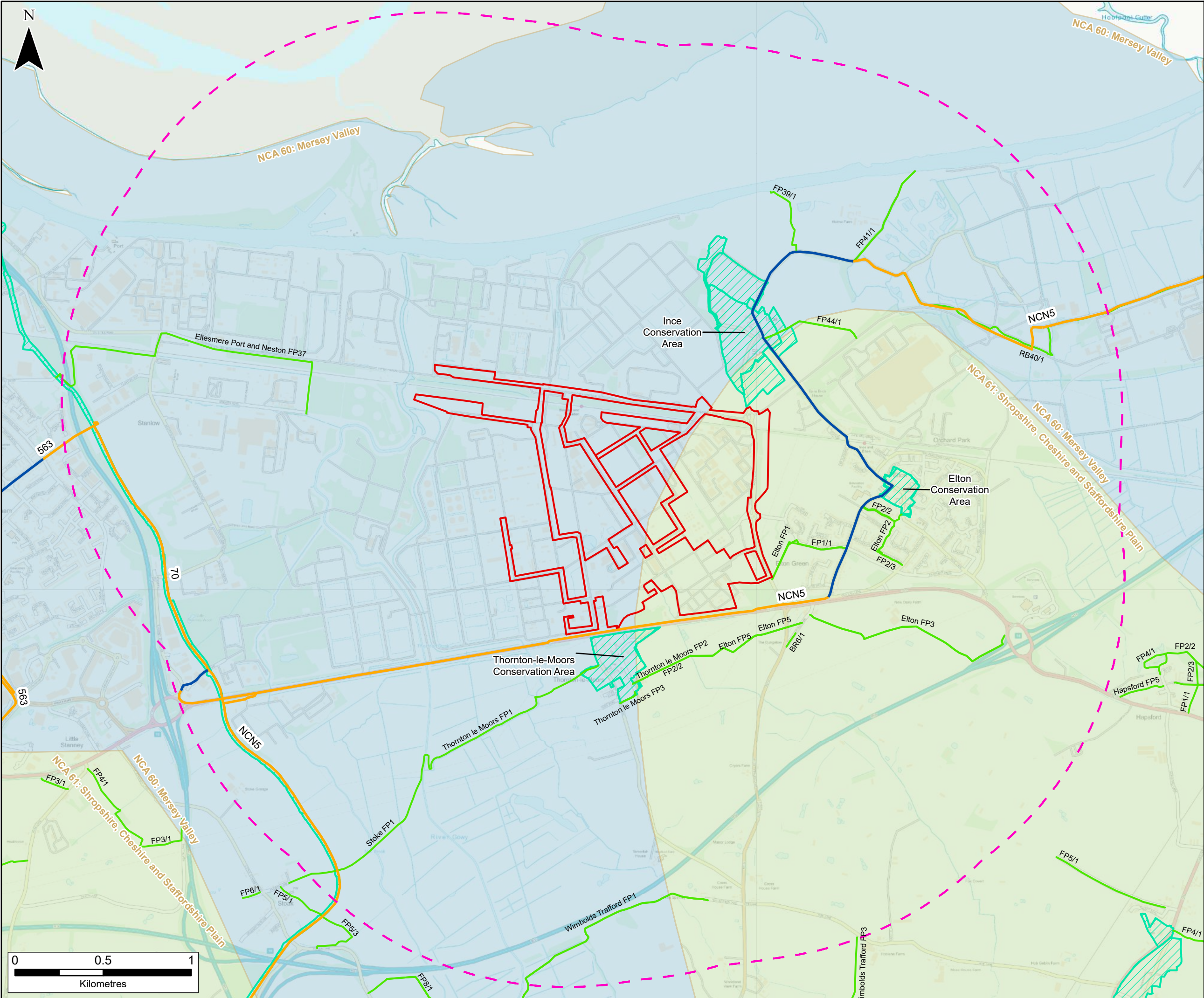
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FIGURE 8.1: DESIGNATED HERITAGE ASSETS

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Legend

- Site Red Line Boundary
- 2km Study Area

Recreational Routes

- Public Rights of Way

National Cycle Network

- Traffic-free
- On-road

Landscape Features and Cultural Heritage

- Cheshire West and Chester Conservation Areas
- National Character Areas Boundary

National Character Area

- Mersey Valley
- Shropshire, Cheshire and Staffordshire Plain

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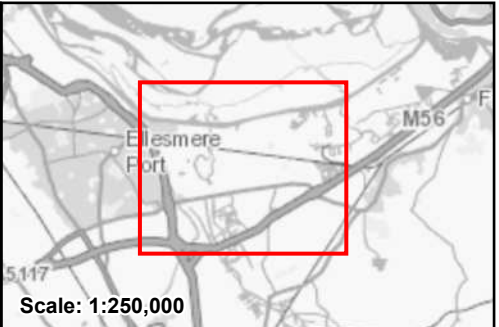
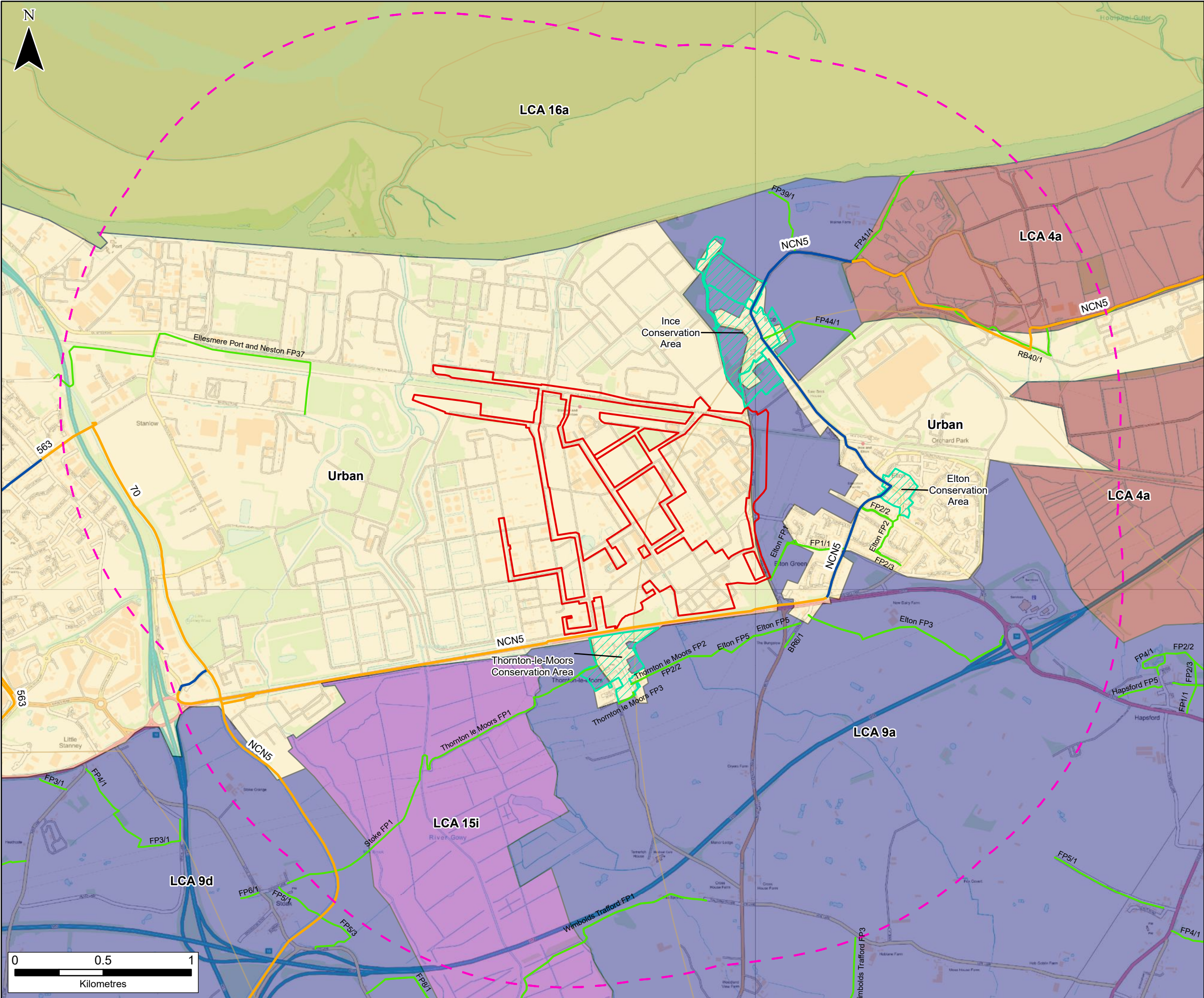
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FIGURE 9.1:
LANDSCAPE CHARACTER AND DESIGNATIONS PLAN SHEET 1

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Legend

- Site Red Line Boundary
- 2km Study Area

Recreational Routes

- Public Rights of Way

National Cycle Network

- Traffic-free
- On-road

Landscape Features and Cultural Heritage

- Cheshire West and Chester Conservation Areas
- National Character Areas Boundary

Cheshire West and Chester Local Landscape Character Areas

- Cheshire Plain West - LCT 9
- Drained Marshes - LCT 4
- Mudflats & Saltmarsh - LCT 16
- River Valley - LCT 15
- Urban Areas

LCA 9a - Dunham to Tarvin Plain
LCA 9d - Saughall to Waveron Plain
LCA 4a - Frodsham, Helsby & Lordship Marshes
LCA 15i - Gow Valley
LCA 16a - Stanlow & Ince Banks
Urban - Urban Areas

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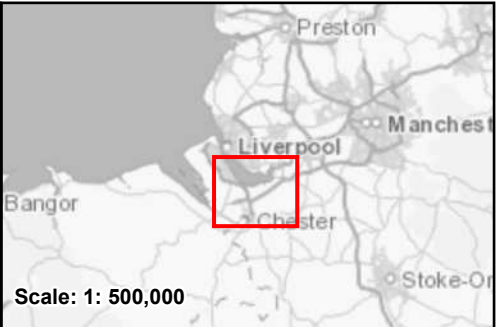
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FIGURE 9.2: LANDSCAPE CHARACTER AND DESIGNATIONS PLAN SHEET 2

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- Legend**
- Site Red Line Boundary
 - 2km Study Area
 - 10km Study Area
 - Special Protection Areas © Natural England
 - Ramsar (England) © Natural England
 - Sites of Special Scientific Interest (England) © Natural England
 - Special Areas of Conservation (England) © Natural England
 - Local Nature Reserves (England) © Natural England
- Ancient Woodland © Natural England**
- Ancient & Semi-Natural Woodland
 - Ancient Replanted Woodland

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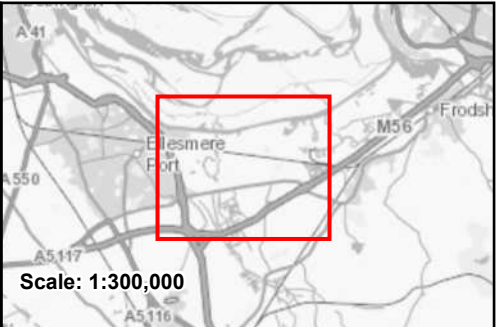
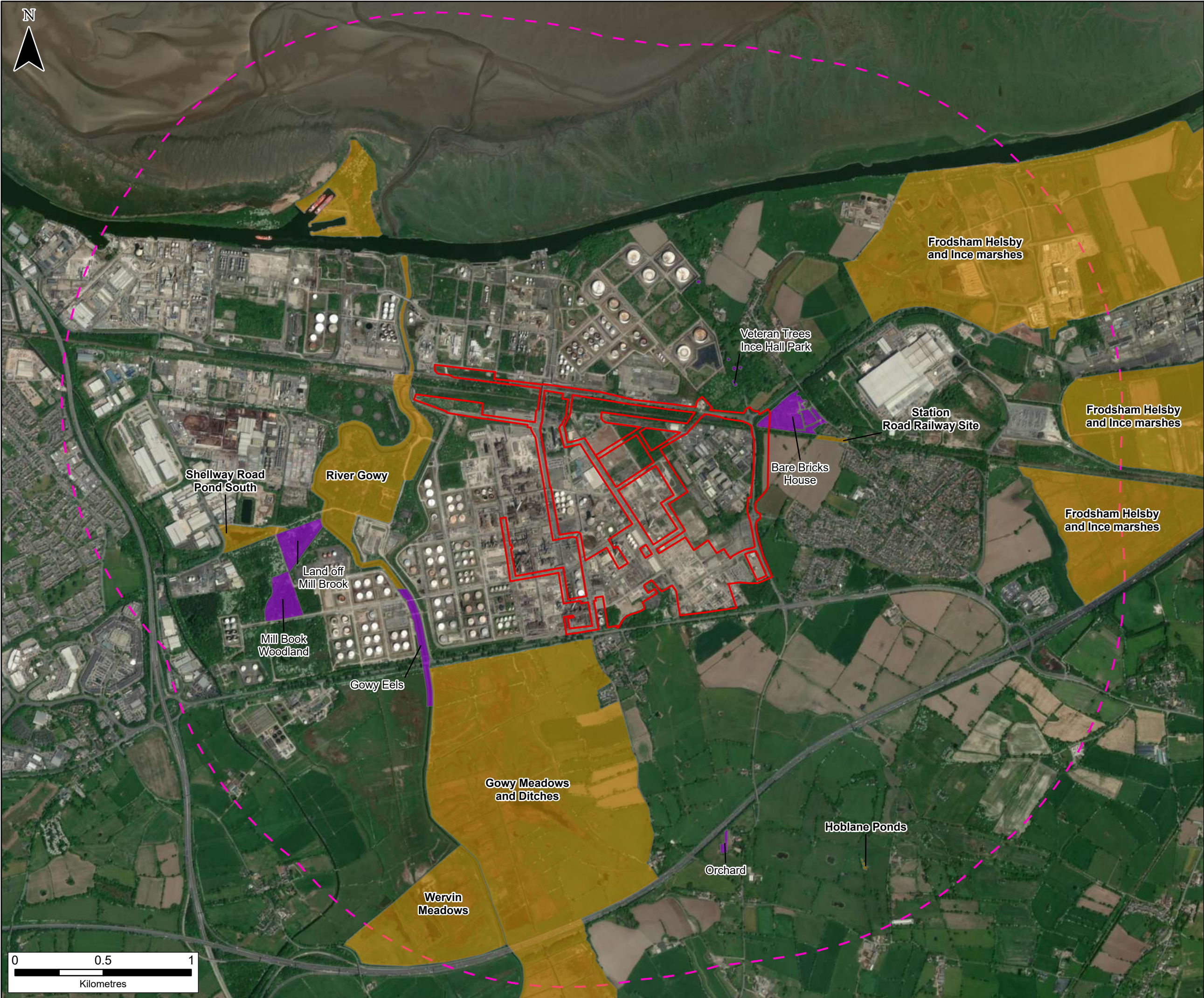
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**FIGURE 9.3:
DESIGNATED PLAN
(STATUTORY)**

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- Legend**
- Site Red Line Boundary
 - 2km Study Area
 - Local Wildlife Sites
 - Potential Local Wildlife Sites

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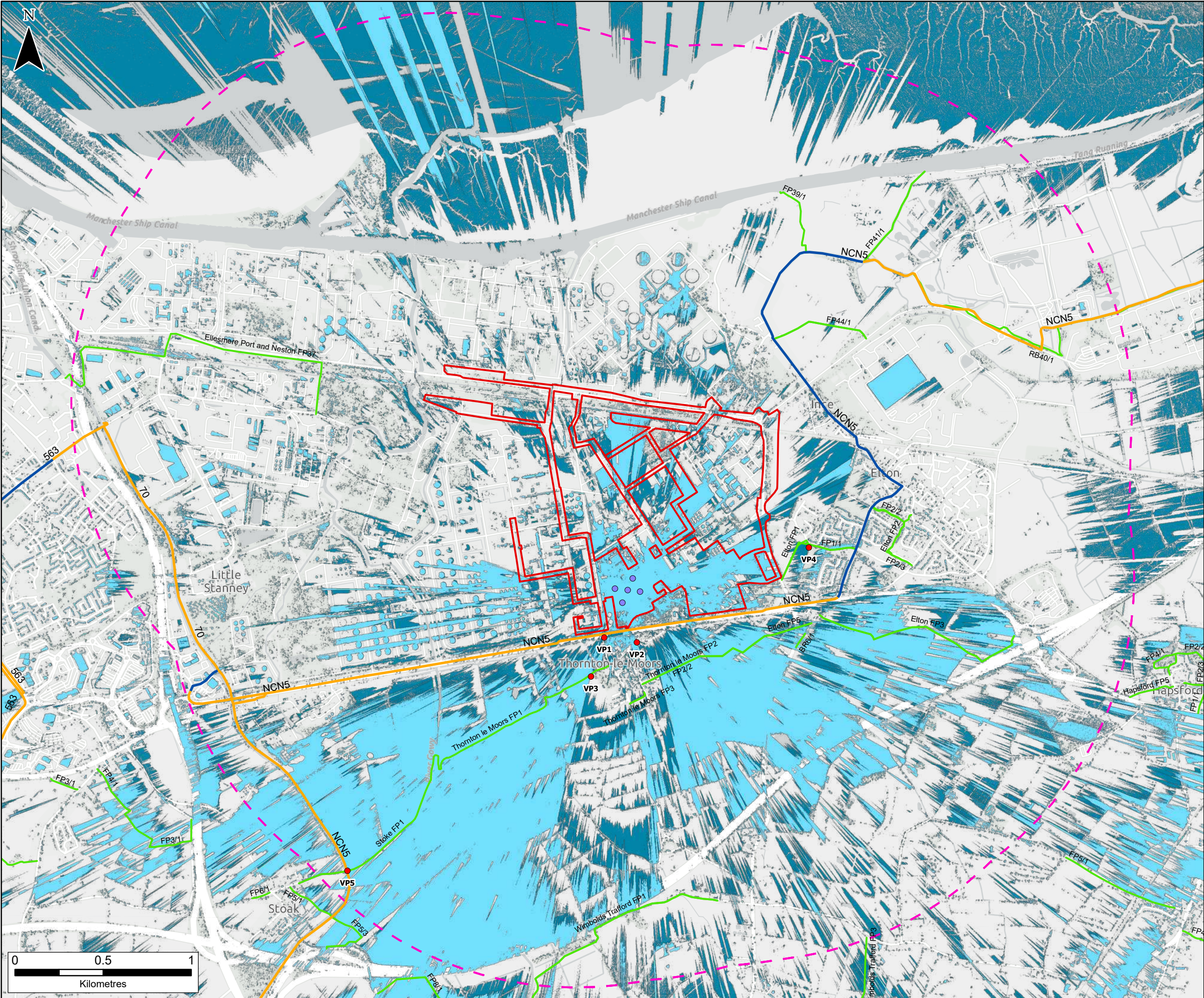
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**FIGURE 9.4:
DESIGNATED PLAN
(NON-STATUTORY)**

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Legend

- Site Red Line Boundary
- 2km Study Area
- Viewpoints
- Indicative points representing the proposed development

Recreational Routes

- Public Rights of Way

National Cycle Network

- Traffic-free
- On-road

Development Visibility

- Visibility 25.2m
- Visibility 80m

ZTV Notes:
The purpose of the Zone of Theoretical Visibility (ZTV) mapping is to inform the field survey work for visual assessment. The ZTV identifies land that, theoretically, is visually connected with the proposal on the basis of a terrain model and the parameters set out below. The extent and nature of specific views towards the Proposed Scheme is verified through field survey work.

- The ZTV is produced using specialist software package ArcGIS Spatial Analysis tool.
- The ZTV is produced by calculating surface locations visible to target points.
- The observer eye height above the ground level is set at 1.6m.
- For this ZTV analysis 2 points representing the location of the Hydrogen Fuelled Combined Heat and Power (CHP) plant were selected and analysed.
- The ZTV accounts for ground topography on the basis of a model made from 1m LiDAR Digital Surface Model (DSM) height data in the form of a 3D Raster. This height data was supplied by Defra.
- The ZTV accounts for features on the terrain such as buildings, woodlands, trees or infrastructure.
- The ZTV accounts for the earth curvature.
- The ZTV portrays the visibility of the Proposed Scheme on the basis of if any target point is visible on the Digital Surface Model.

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DRAWING TITLE:

FIGURE 9.5: ZTV AND VIEWPOINT LOCATION PLAN

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VIEWPOINT 1: Junction of Thorn Green Lane and A5117

BASELINE PANORAMA



VIEWPOINT 2: Poole Lane, Thornton-le-Moors

BASELINE PANORAMA



Viewpoint 2 - Poole Lane, Thornton-le-Moors

Viewpoint Type: Type 1
Projection: Cylindrical
Viewpoint Grid Reference: SJ 44264 74701
Viewpoint Height in mAOD: 17m

Direction of View: North
Horizontal Field Of View: 90 degrees
Vertical Field of View: 27 degrees
Distance to Key Scheme Feature: 100m (Approx)

Enlargement Factor: 100% @ A1
Photographic Equipment: Canon 6D MKII & 50mm Lens
Date and Time Taken: 17.04.24 (Summer) 11:09
Camera Height: 1.6m above ground

This image provides landscape and visual context only
View flat at a comfortable arm's length. If viewing on a screen
enlarge to full screen height.



VIEWPOINT 3: Public Footpath 294 FP1/1 on the western edge of Thornton-le-Moors

BASELINE PANORAMA



VIEWPOINT 4: Public Footpath 123 FP1/2 on the western edge of Elton

BASELINE PANORAMA



VIEWPOINT 5: Public Footpath 281 FP1/3 as it crosses the Shropshire Union Canal

BASELINE PANORAMA



Viewpoint 5 - Public Footpath 281 FP1/3 as it crosses over the Shropshire Union Canal and Dension's Bridge

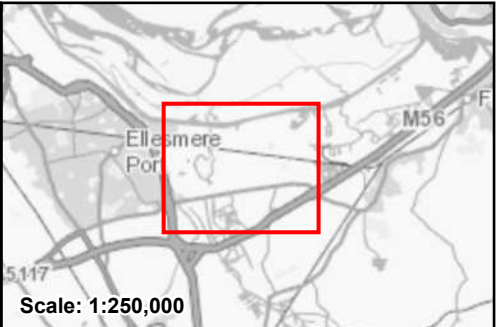
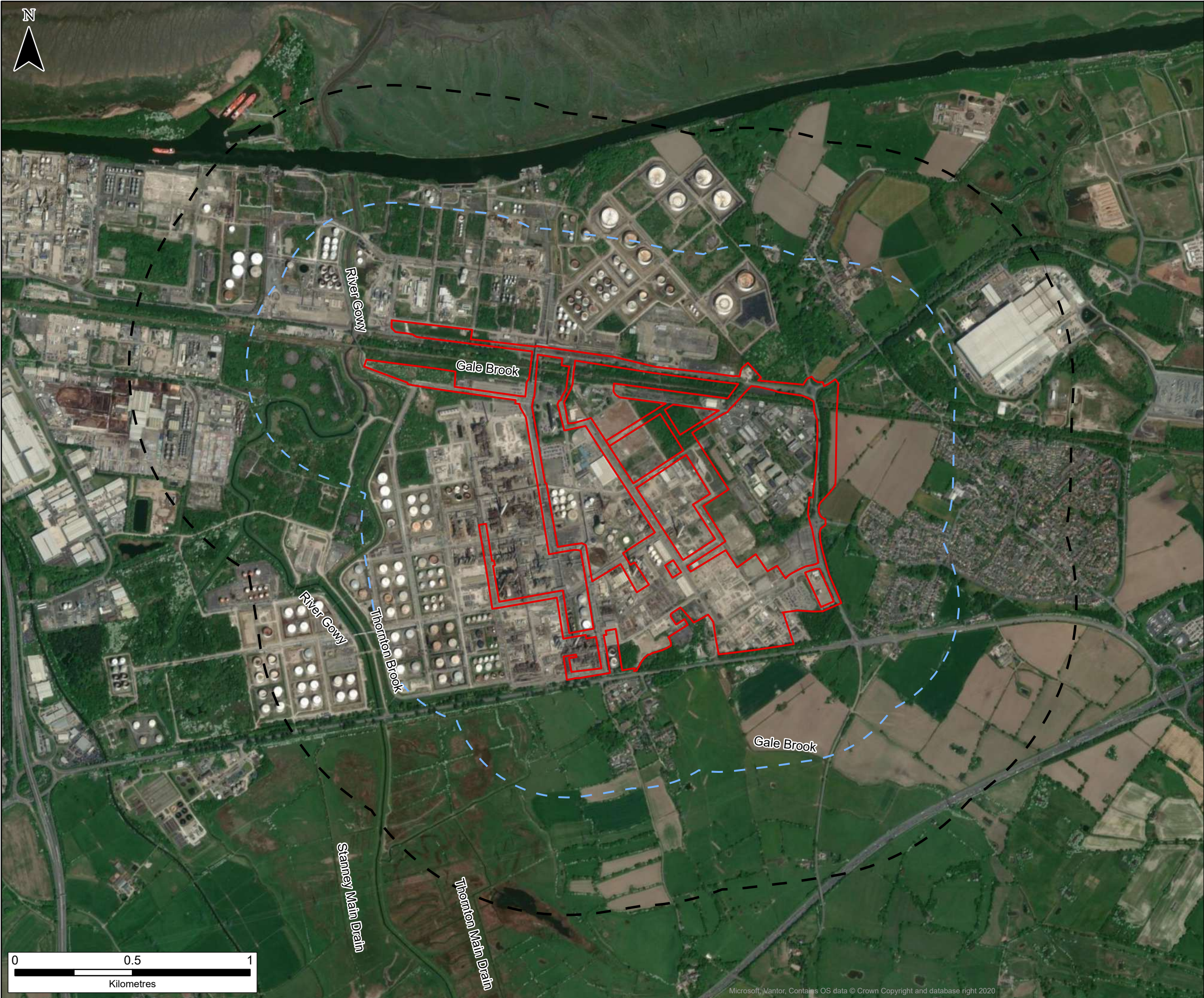
Viewpoint Type: Type 1
Projection: Cylindrical
Viewpoint Grid Reference: SJ 42622 73405
Viewpoint Height in mAOD: 9m

Direction of View: South-West
Horizontal Field Of View: 90 degrees
Vertical Field of View: 27 degrees
Distance to Key Scheme Feature: 2km (Approx)

Enlargement Factor: 100% @ A1
Photographic Equipment: Canon 6D MKII & 50mm Lens
Date and Time Taken: 17.04.24 (Summer) 13:42
Camera Height: 1.6m above ground

This image provides landscape and visual context only
View flat at a comfortable arm's length. If viewing on a screen
enlarge to full screen height.





- Scale: 1:250,000
- Legend**
- Site Red Line Boundary
 - 500m Study Area (Surface Water)
 - 1km Study Area (Groundwater and Flood Risk)

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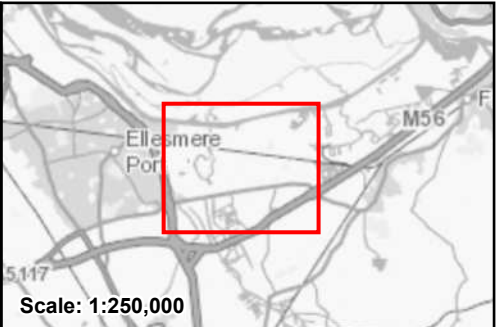
PROJECT TITLE:
**STANLOW HYDROGEN READY COMBINED
HEAT AND POWER PROJECT
- SCOPING REPORT**

DRAWING TITLE:
**FIGURE 10.1:
WATER ENVIRONMENT AND
FLOOD RISK STUDY AREA**

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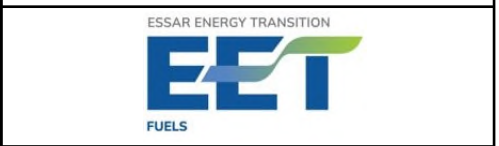
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SCALE @ A3 SIZE: 1:15,000	DATE: 09/06/2026	REVISION: P01	

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- Legend**
- Site Red Line Boundary
 - 500m Study Area (Surface Water)
 - 1km Study Area (Groundwater and Flood Risk)
 - Surface Water Abstractions
 - Groundwater Abstractions
 - Discharges
 - Main Rivers

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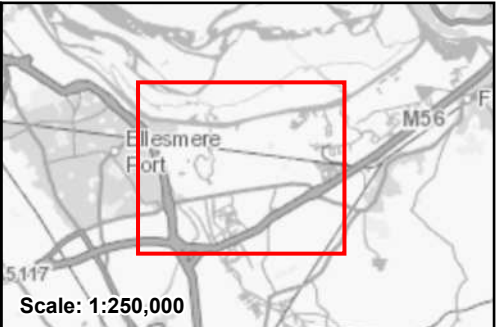
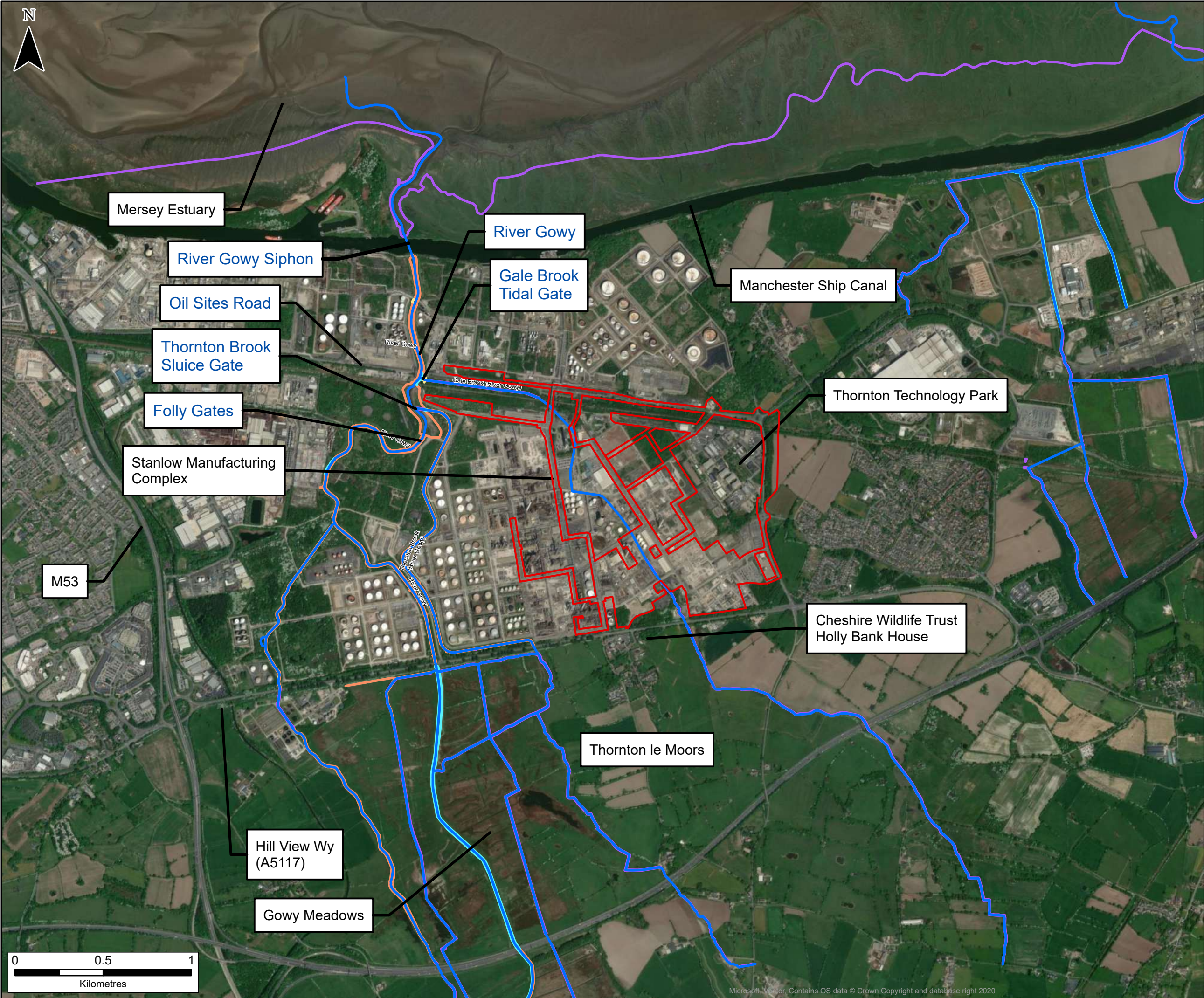
PROJECT TITLE:
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DRAWING TITLE:
FIGURE 10.2: WATER ENVIRONMENT RECEPTORS

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Legend

- Site Red Line Boundary
- Main Rivers

Spatial Flood Defences

- Bridge Abutment
- Demountable Defence
- Embankment
- Engineered High Ground
- Flood Gate
- Natural High Ground
- Spillway
- Wall

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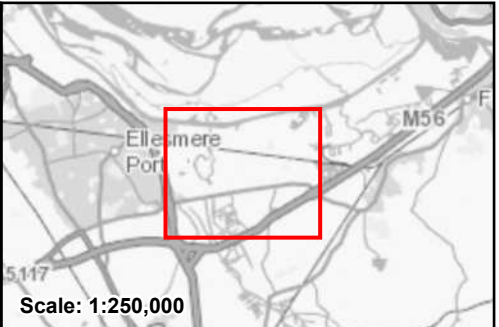
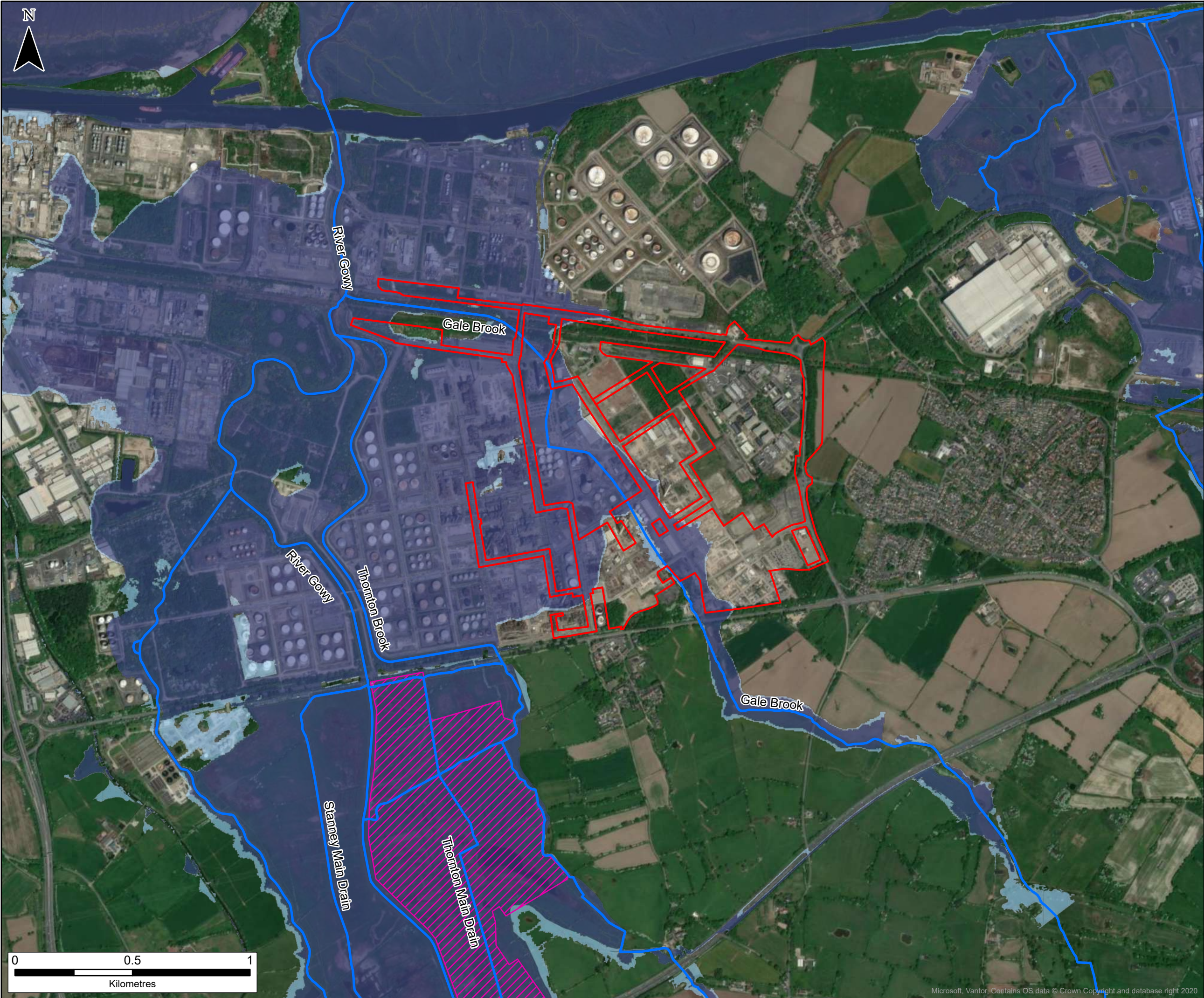
PROJECT TITLE:
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DRAWING TITLE:
FIGURE 10.3: SITE LOCATION PLAN WITH FLOOD DEFENCE NAME

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Legend

- Site Red Line Boundary
- Main Rivers
- Flood Storage Areas
- Flood Zone 2
- Flood Zone 3

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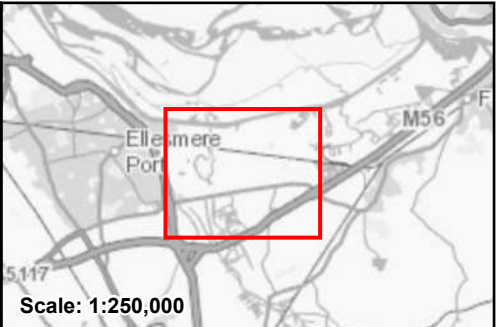
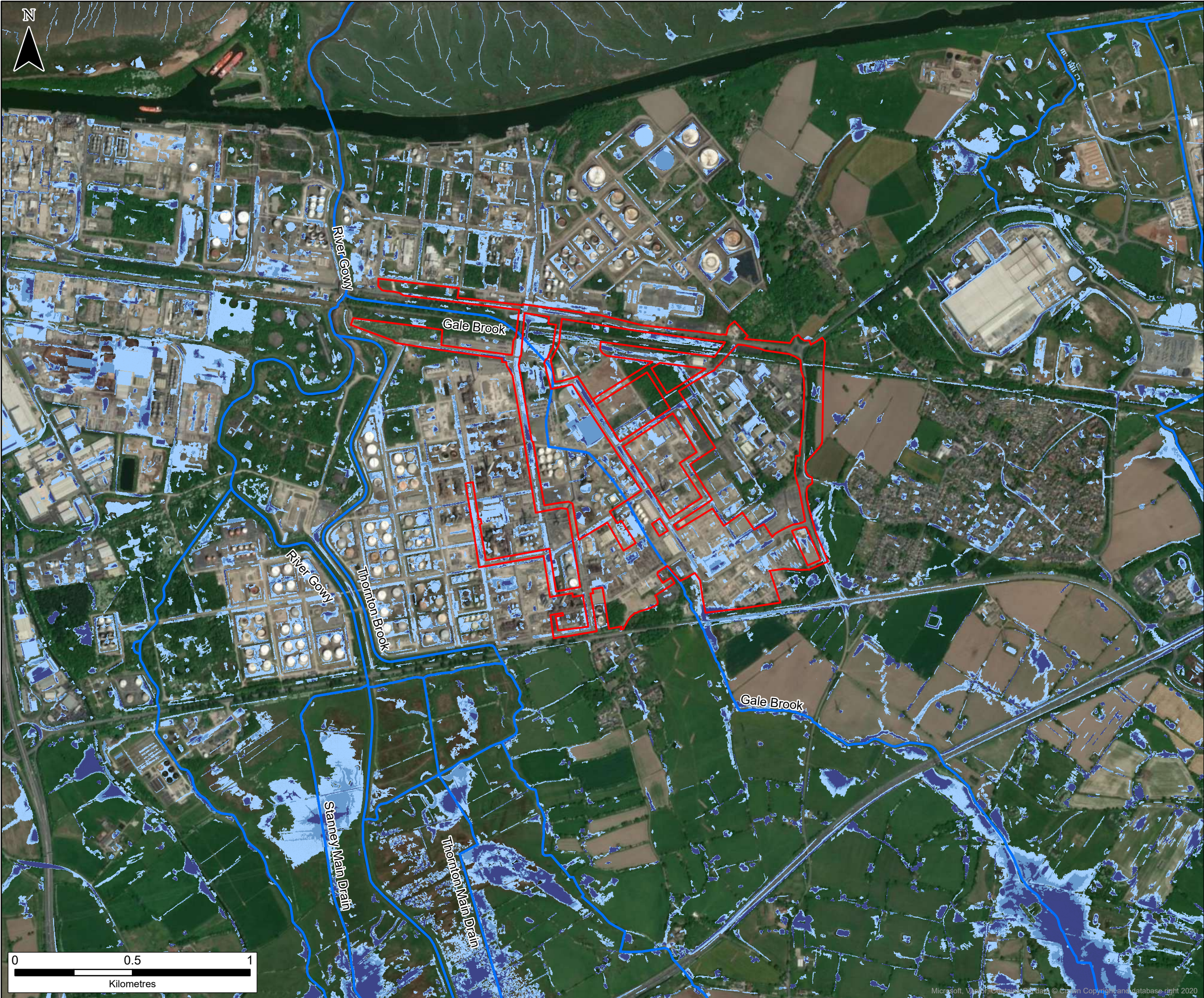
PROJECT TITLE:
**STANLOW HYDROGEN READY COMBINED
HEAT AND POWER PROJECT
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**FIGURE 10.4:
FLOOD MAP FOR PLANNING**

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Legend

Site Red Line Boundary

Main Rivers

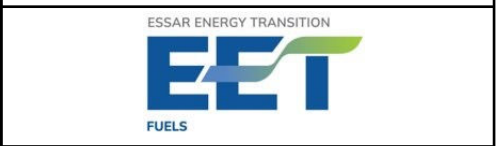
Risk of flooding from surface water

High

Medium

Low

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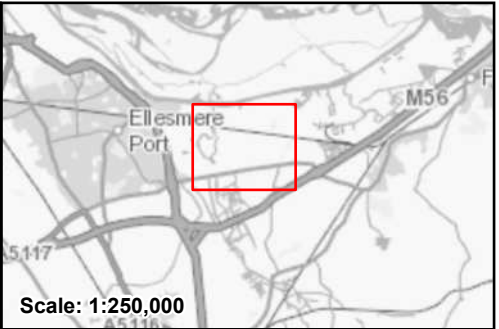
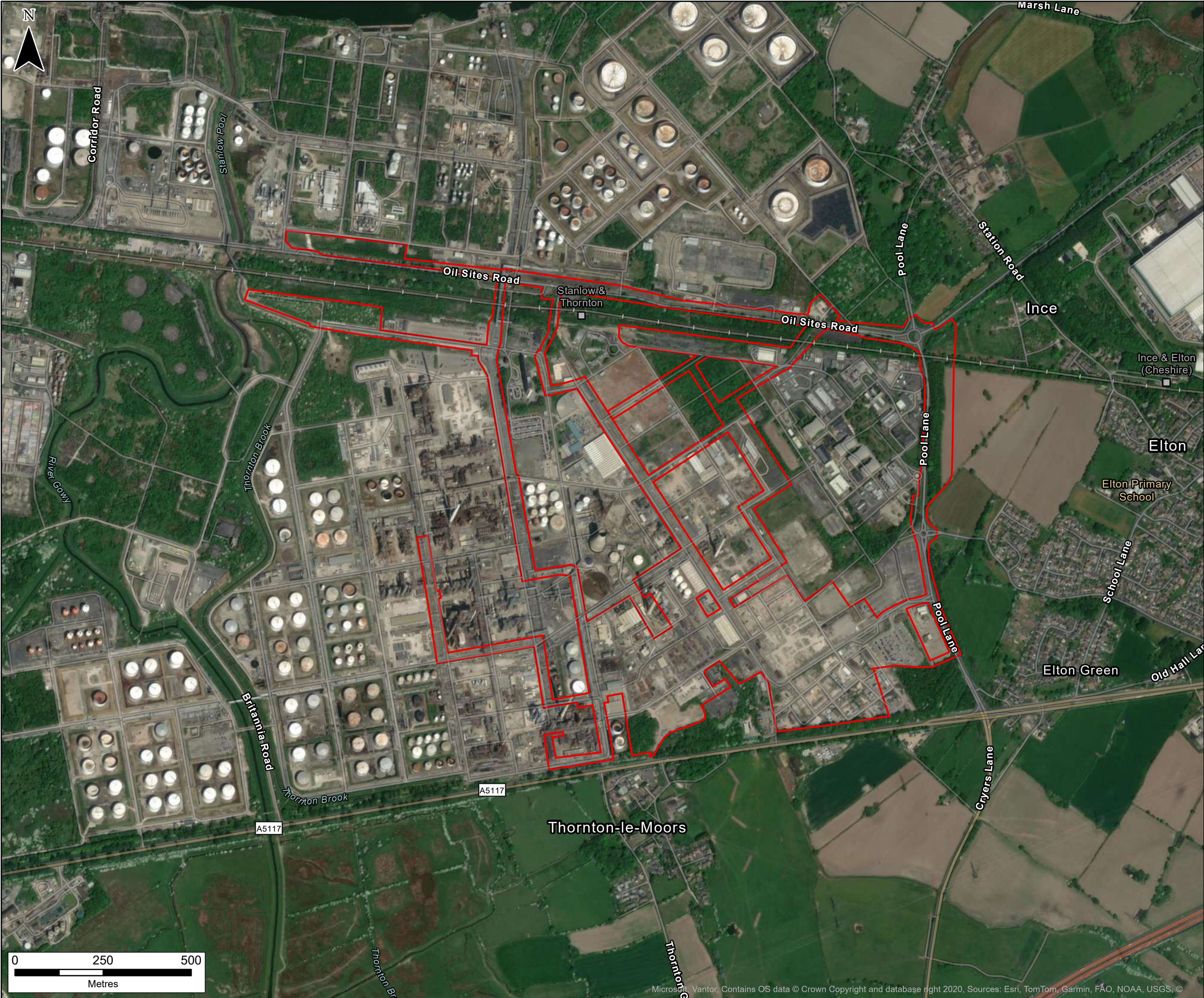
PROJECT TITLE:
**STANLOW HYDROGEN READY COMBINED
HEAT AND POWER PROJECT
- SCOPING REPORT**

DRAWING TITLE:
**FIGURE 10.5:
RISK OF FLOODING FROM
SURFACE WATER**

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Scale: 1:250,000

Legend

Site Red Line Boundary

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ESSAR ENERGY TRANSITION



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**STANLOW HYDROGEN READY COMBINED
HEAT AND POWER PROJECT
- SCOPING REPORT**

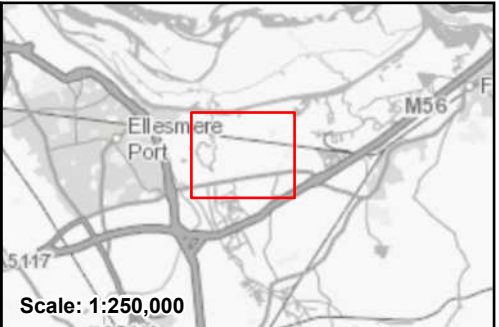
DRAWING TITLE:

**FIGURE 17.1:
SITE LOCATION PLAN INCLUDING
RED LINE BOUNDARY**

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Legend

-  Site Red Line Boundary
-  Phase 1 Site Boundary

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ESSAR ENERGY TRANSITION



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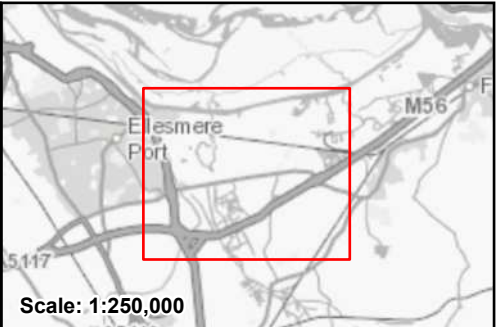
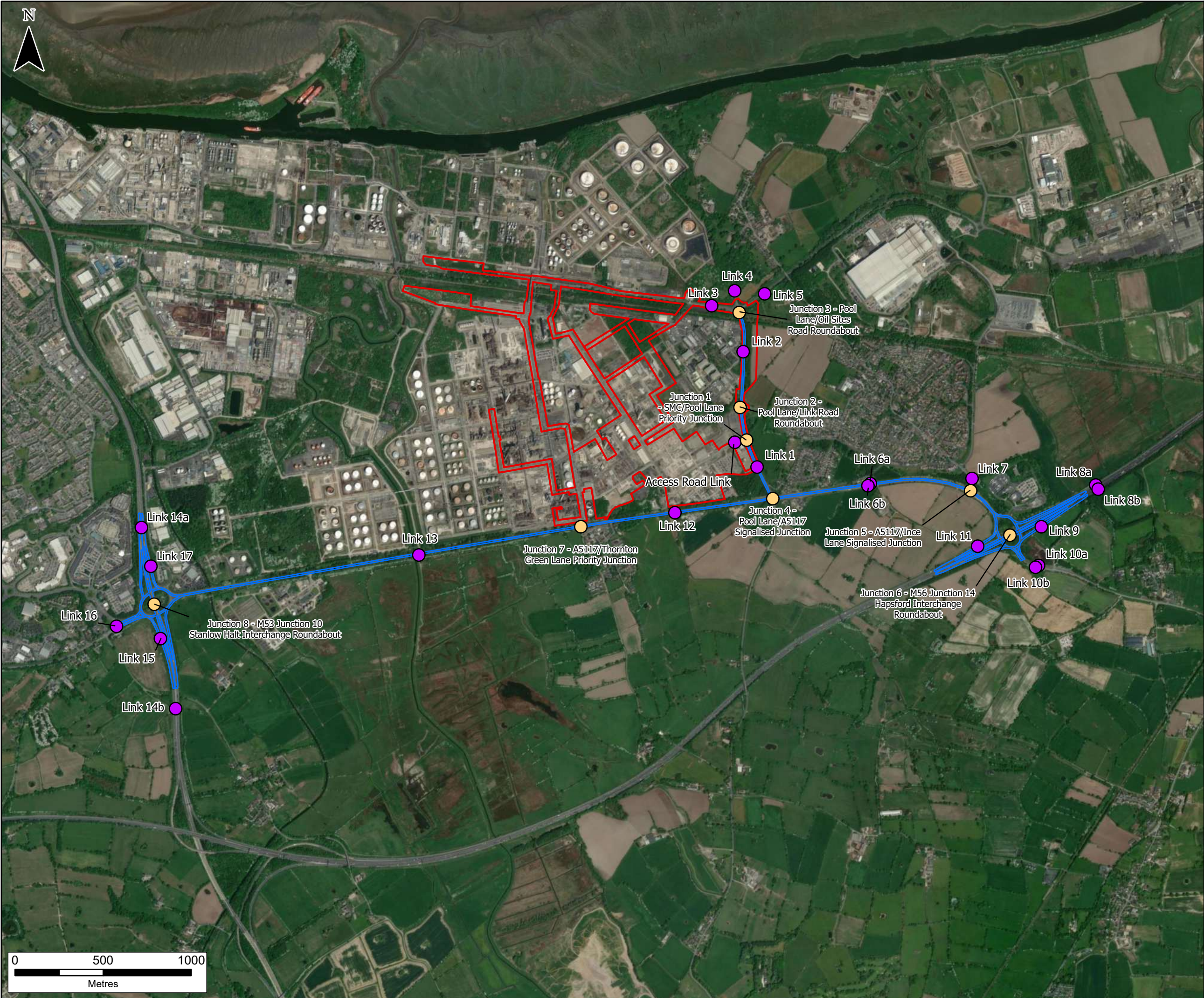
DRAWING TITLE:
**FIGURE 17.2:
SITE LOCATION PLAN INCLUDING
RED LINE BOUNDARY IN CONTEXT OF
PHASE 1 BOUNDARY**

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2026UK550445-ENV-001-SR-1702-P01-S0



- Scale: 1:250,000
- Legend**
- Site Red Line Boundary
 - Traffic and Movement Study Area
 - Junctions
 - Road Links

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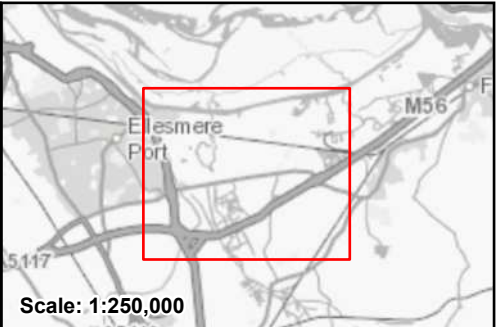
PROJECT TITLE:
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DRAWING TITLE:
**FIGURE 17.3:
STANLOW CHP PHASE 2 TRAFFIC &
TRANSPORT STUDY AREA AND LINKS**

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- Legend**
- Site Red Line Boundary
 - Public Rights of Way
- National Cycle Network**
- Traffic-Free
 - On-Road

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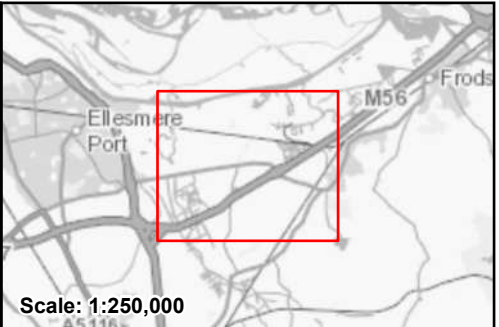
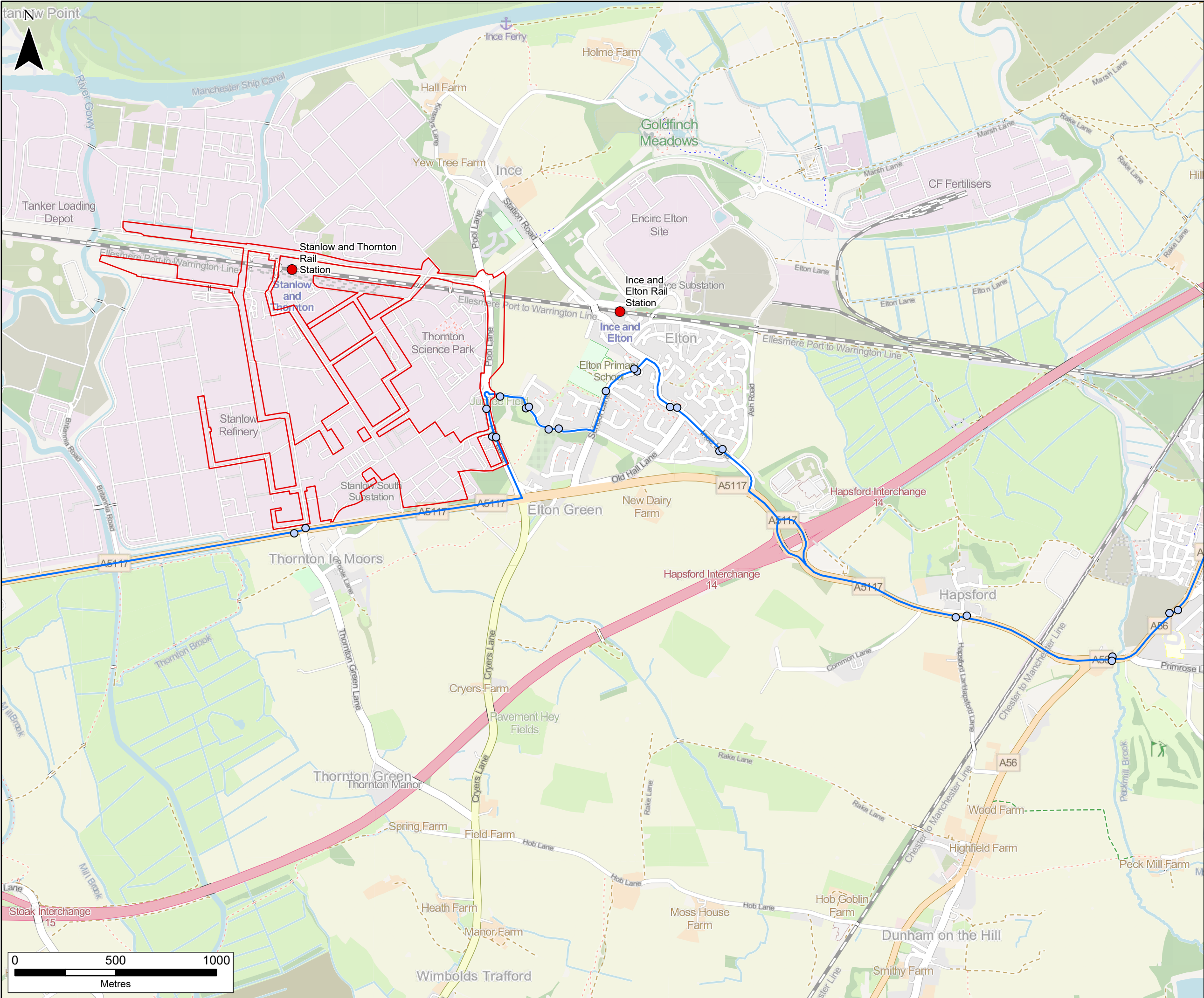
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**FIGURE 17.4:
SITE ACTIVE TRAVEL PLAN (PRoWs AND
NCN ROUTES IN PROXIMITY TO SITE**

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Legend

- Site Red Line Boundary
- Bus route
- Bus Stop
- Rail station

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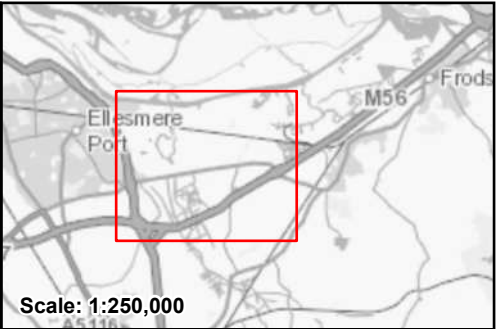
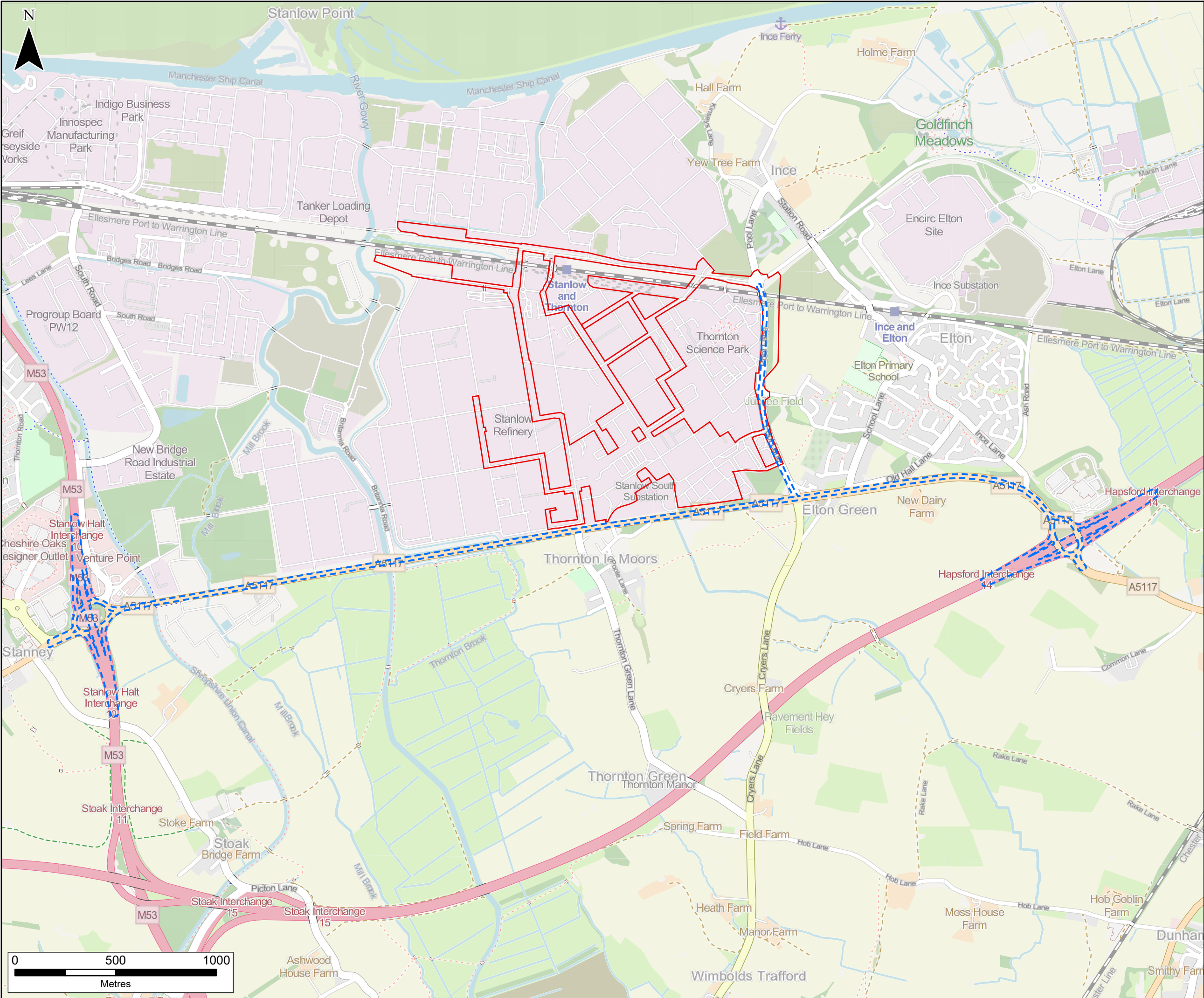
PROJECT TITLE:
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**FIGURE 17.5:
SITE PUBLIC TRANSPORT PLAN**

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Legend

- Site Red Line Boundary
- Study Area

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**FIGURE 17.6:
PERSONAL INJURY COLLISION (PIC) PLAN**

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