



WORKS PLANS

Drax Bioenergy with Carbon Capture and Storage

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations, 2009 - Regulation 5(2)(a)

Document Reference Number: 2.3

Applicant: Drax Power Limited

PINS Reference: EN010120



REVISION: 03

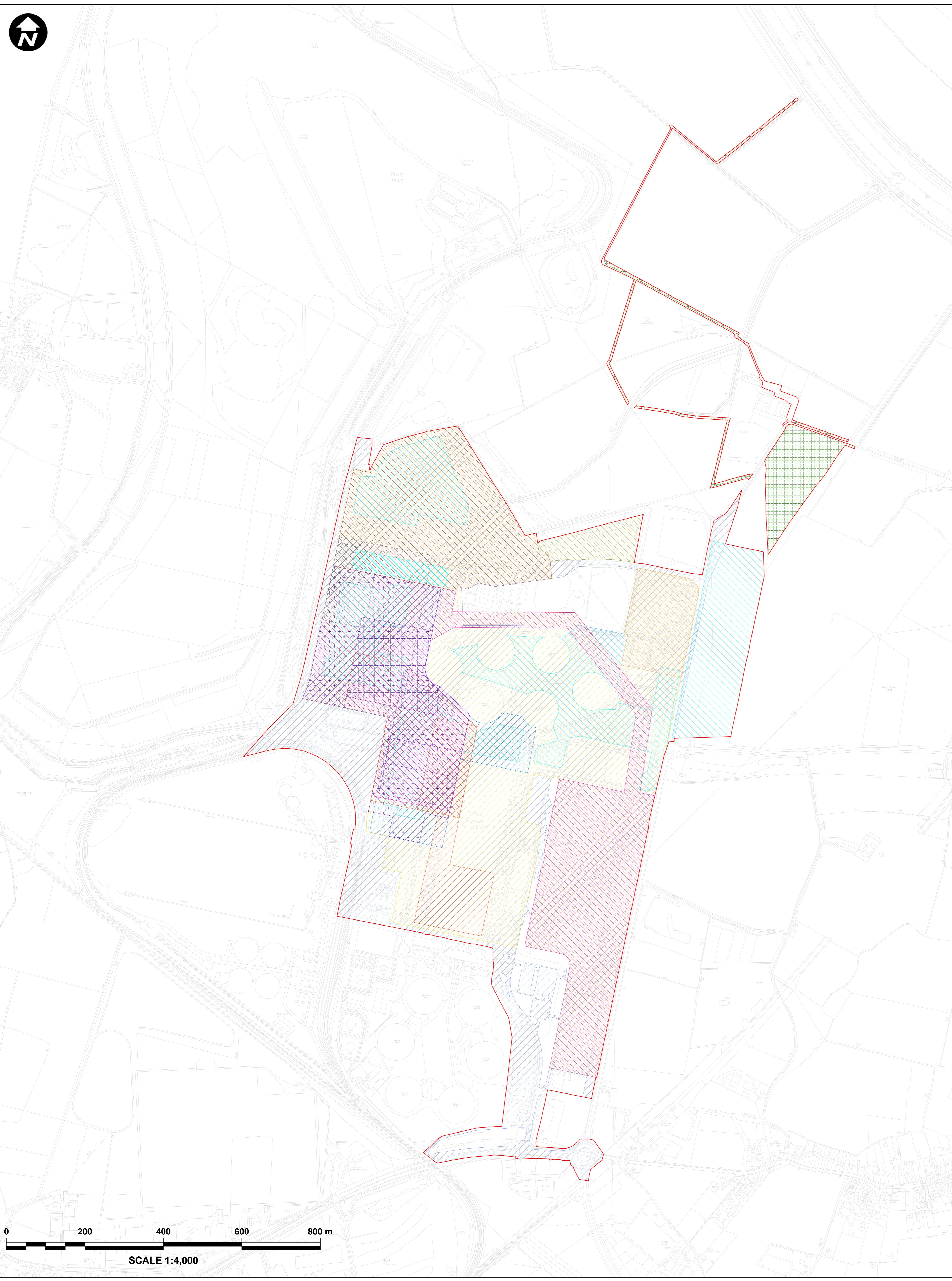
DATE: December 2022

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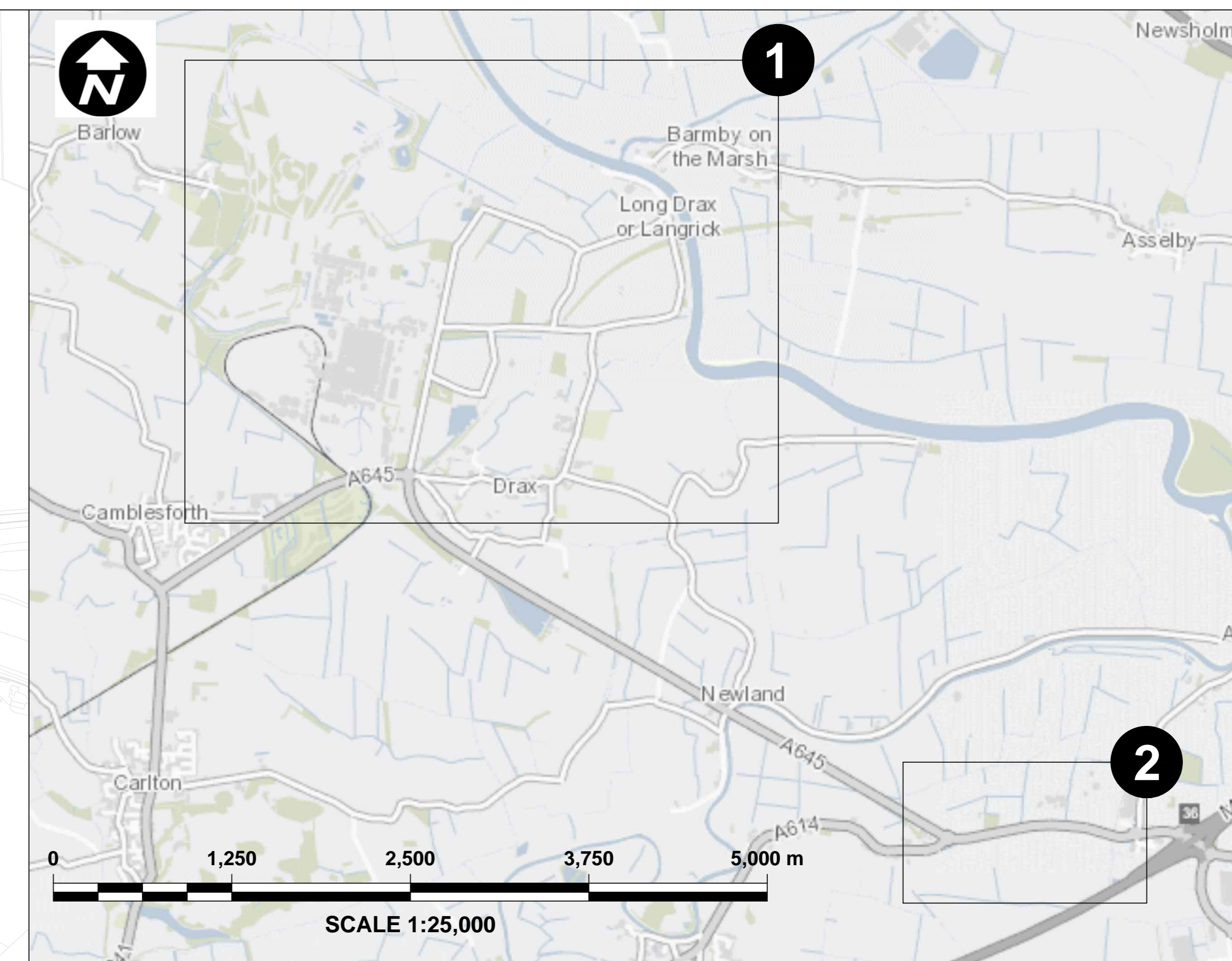
AUTHOR: C. Hachmann

APPROVER: R. Makin

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Key:

- Order Limits
- Work No. 1 - Carbon Capture Plant**
 - Work No. 1A - Water Pre-Treatment Plant (Sheet 1 of 18)
 - Work No. 1B - Cooling Water Connection (Sheet 2 of 18)
 - Work No. 1C - Existing Generating Station
 - Work No. 1C(i) - Process Steam Connection with Unit 1
 - Work No. 1C(ii) - Process Steam Connection with Unit 2 (Sheet 3 of 18)
 - Work No. 1C(iii) - Processing of Steam (Sheet 4 of 18)
 - Work No. 1D - Carbon Dioxide Capture Plants
 - Work No. 1D(i) - Absorber and Quench System for Unit 1
 - Work No. 1D(ii) - Absorber and Quench System for Unit 2 (Sheet 5 of 18)
 - Work No. 1D(iii) - Solvent Regeneration System for Unit 1
 - Work No. 1D(iv) - Solvent Regeneration System for Unit 2 (Sheet 6 of 18)
 - Work No. 1D(v) - Supporting Carbon Capture Plant Infrastructure for Unit 1
 - Work No. 1D(vi) - Supporting Carbon Capture Plant Infrastructure for Unit 2
 - Work No. 1D(viii) - Common Supporting Infrastructure (Sheet 7 of 18)
 - Work No. 1D(vii) - Common Solvent Storage and Make-up System (Sheet 8 of 18)
 - Work No. 1E - Carbon Dioxide Processing and Compression Plant
 - Work No. 1E(i) - Carbon Dioxide Processing and Compression Plant for Unit 1
 - Work No. 1E(ii) - Carbon Dioxide Processing and Compression Plant for Unit 2 (Sheet 9 of 18)
 - Work No. 1E(iii) - Carbon Dioxide Main Vent Stack for Unit 1
 - Work No. 1E(iv) - Carbon Dioxide Main Vent Stack for Unit 2 (Sheet 10 of 18)
 - Work No. 1F - Electrical Connections (Sheet 11 of 18)
- Work No. 2 - Carbon Dioxide Transport Infrastructure (Sheet 12 of 18)
- Work No. 3 - Supporting Works in Connection with and in Addition to Work Nos. 1, 2 and 5 (Sheet 13 of 18)
- Work No. 4 - Works to Facilitate Construction Access (Sheet 14 of 18)
- Work No. 5 - Temporary Construction Laydown (Sheet 15 of 18)
- Work No. 6 - Habitat Provision Area (Sheet 16 of 18)
- Work No. 7 - Floodplain Compensation Area (Sheet 17 of 18)
- Work No. 8 - Works to Facilitate the Delivery of Abnormal Indivisible Loads to the Site**
 - Work No. 8A - Diversion of Existing Electrical 11kV Overhead Lines (Sheet 18 of 18)
 - Work No. 8B - Diversion of Existing Telecommunications Overhead Lines (Sheet 18 of 18)
- Land within the Order Limits with no work to be undertaken.

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KEY PLAN

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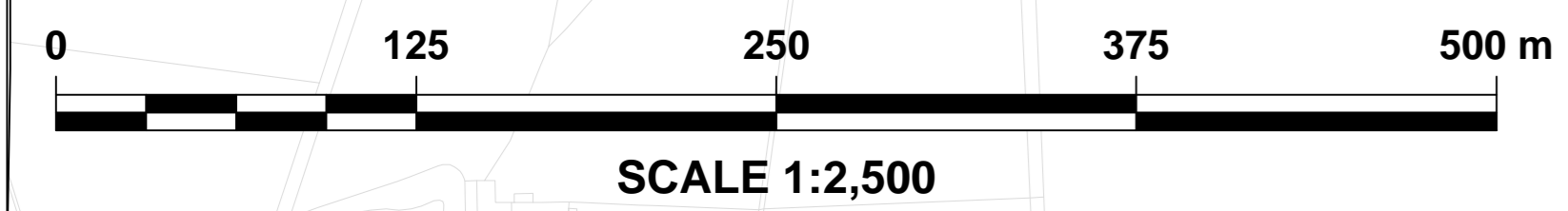
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Key:

Order Limits

Work No. 1A - Water Pre-Treatment Plant



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PROJECT TITLE
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WORKS PLANS
WORK NO. 1A - WATER PRE-TREATMENT PLANT
(SHEET 1 OF 18)

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Key:

Order Limits

Work No. 1B - Cooling Water Connection



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WORKS PLANS
WORK NO. 1B - COOLING WATER CONNECTION
(SHEET 2 OF 18)

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EN010120-PA-WP-2.3-Sheet2

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Key:

— Order Limits

Work No. 1C(i) - Process Steam Connection with Unit 1
Work No. 1C(ii) - Process Steam Connection with Unit 2



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WORKS PLANS
WORK NO. 1C(i) - PROCESS STEAM
CONNECTIONS WITH UNITS 1 AND 2
(SHEET 3 OF 18)

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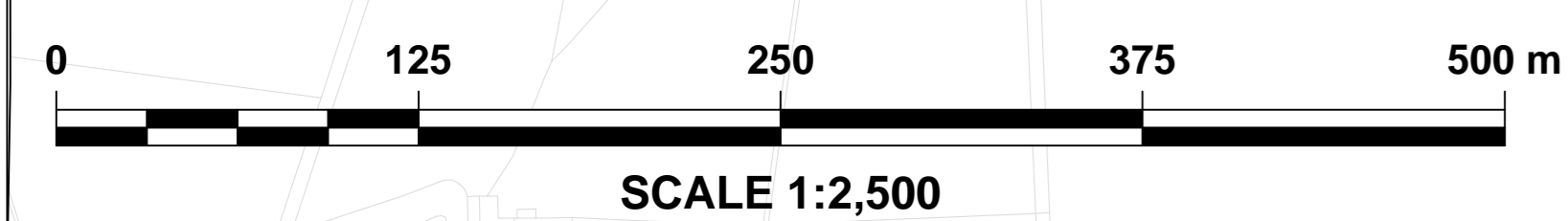
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Key:

Order Limits

Work No. 1C(iii) - Processing of Steam



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WORKS PLANS
WORK NO. 1C(iii) - PROCESSING OF STEAM
(SHEET 4 OF 18)

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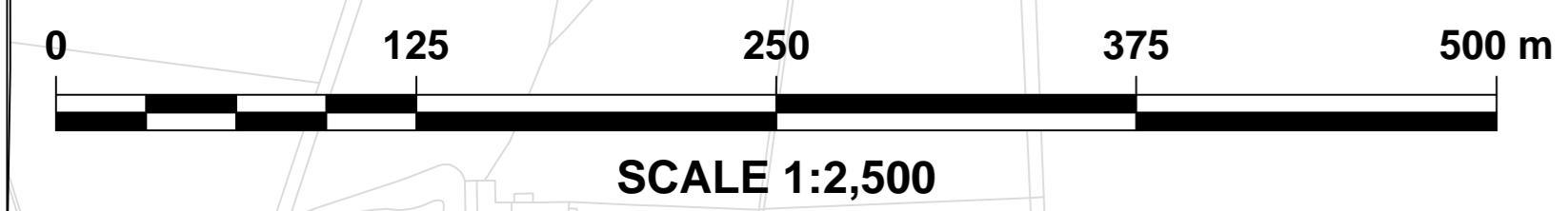
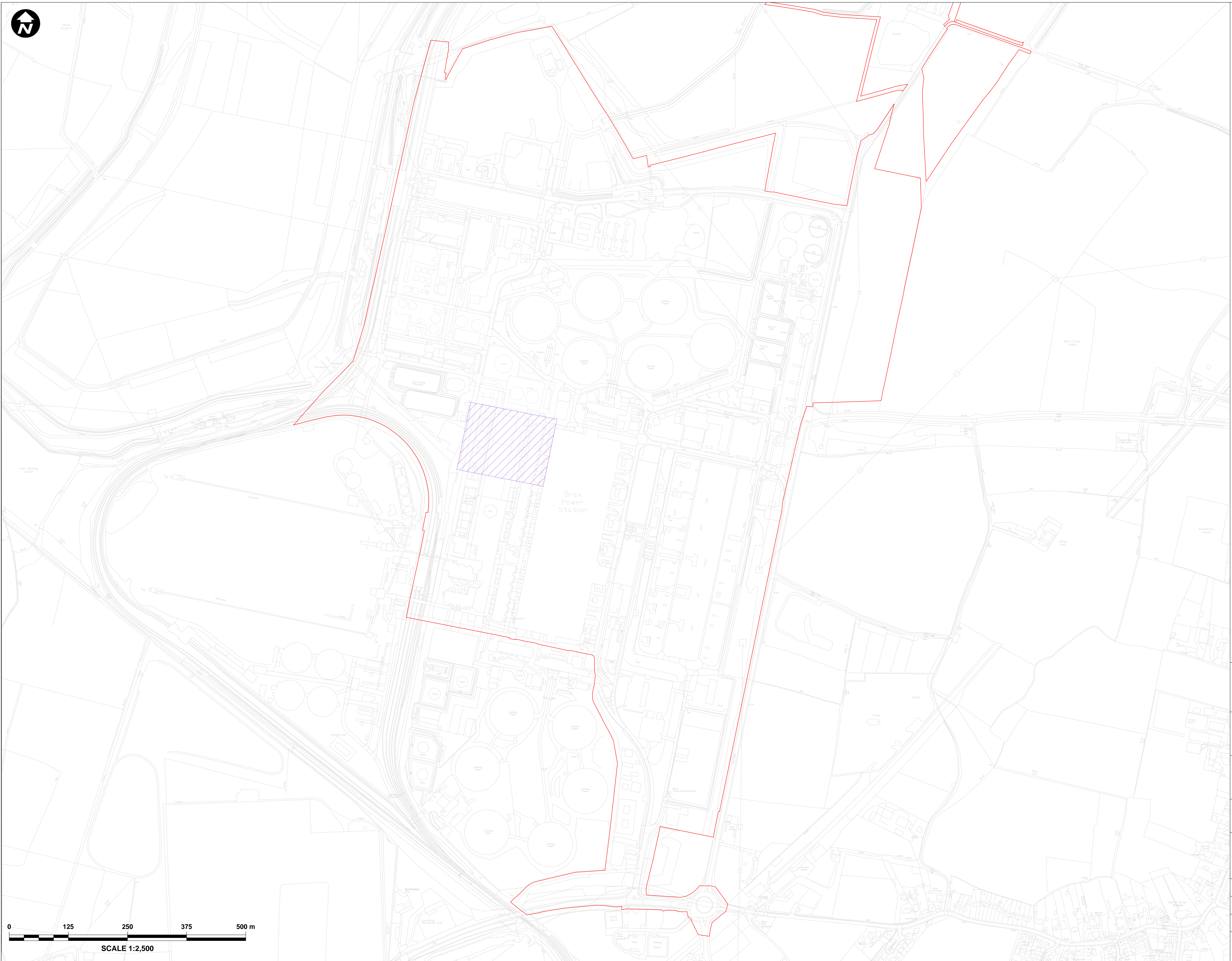
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Key:

- Order Limits
- Work No. 1D(i) - Absorber and Quench System for Unit 1
- Work No. 1D(ii) - Absorber and Quench System for Unit 2



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WORKS PLANS
 WORK NO. 1D(i) - ABSORBER AND QUENCH SYSTEMS FOR UNITS 1 AND 2 (SHEET 5 OF 18)

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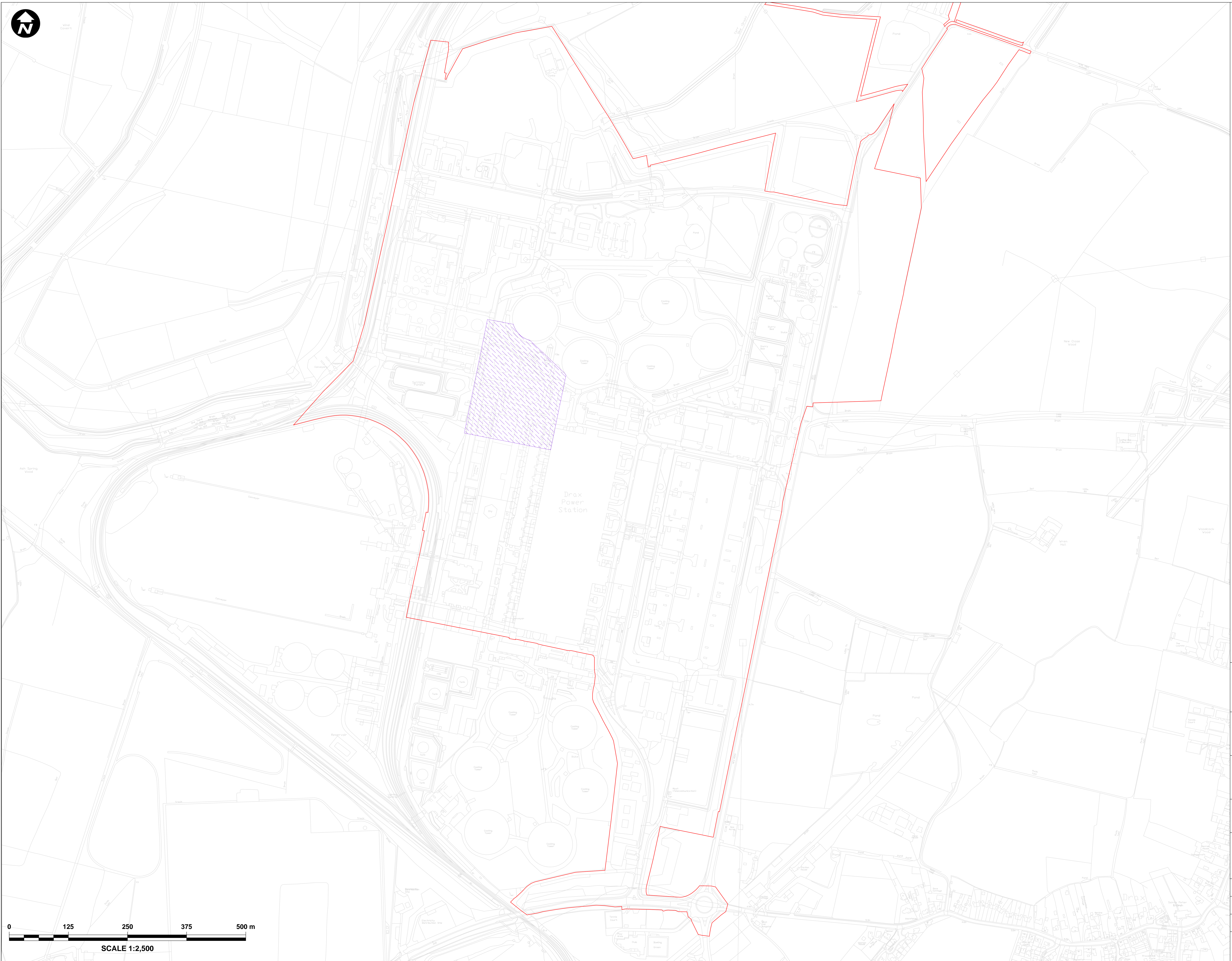
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Key:

Order Limits

Work No. 1D(iii) - Solvent Regeneration System for Unit 1
Work No. 1D(iv) - Solvent Regeneration System for Unit 2



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WORKS PLANS
WORK NO. 1D(iii) - SOLVENT REGENERATION SYSTEMS FOR UNITS 1 AND 2
(SHEET 6 OF 18)

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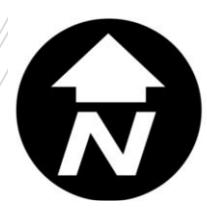
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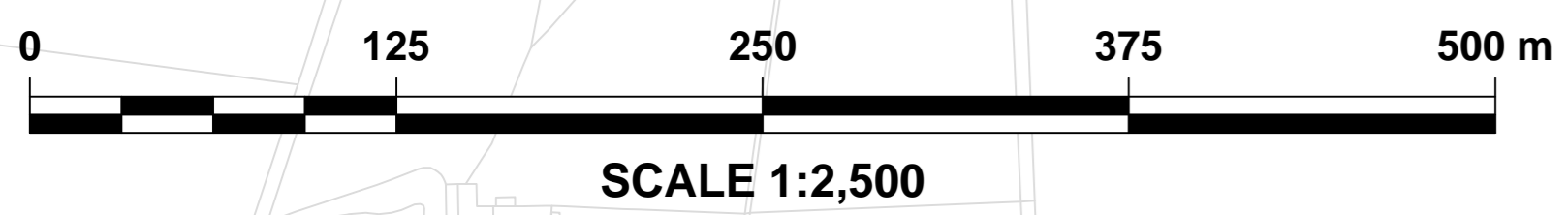
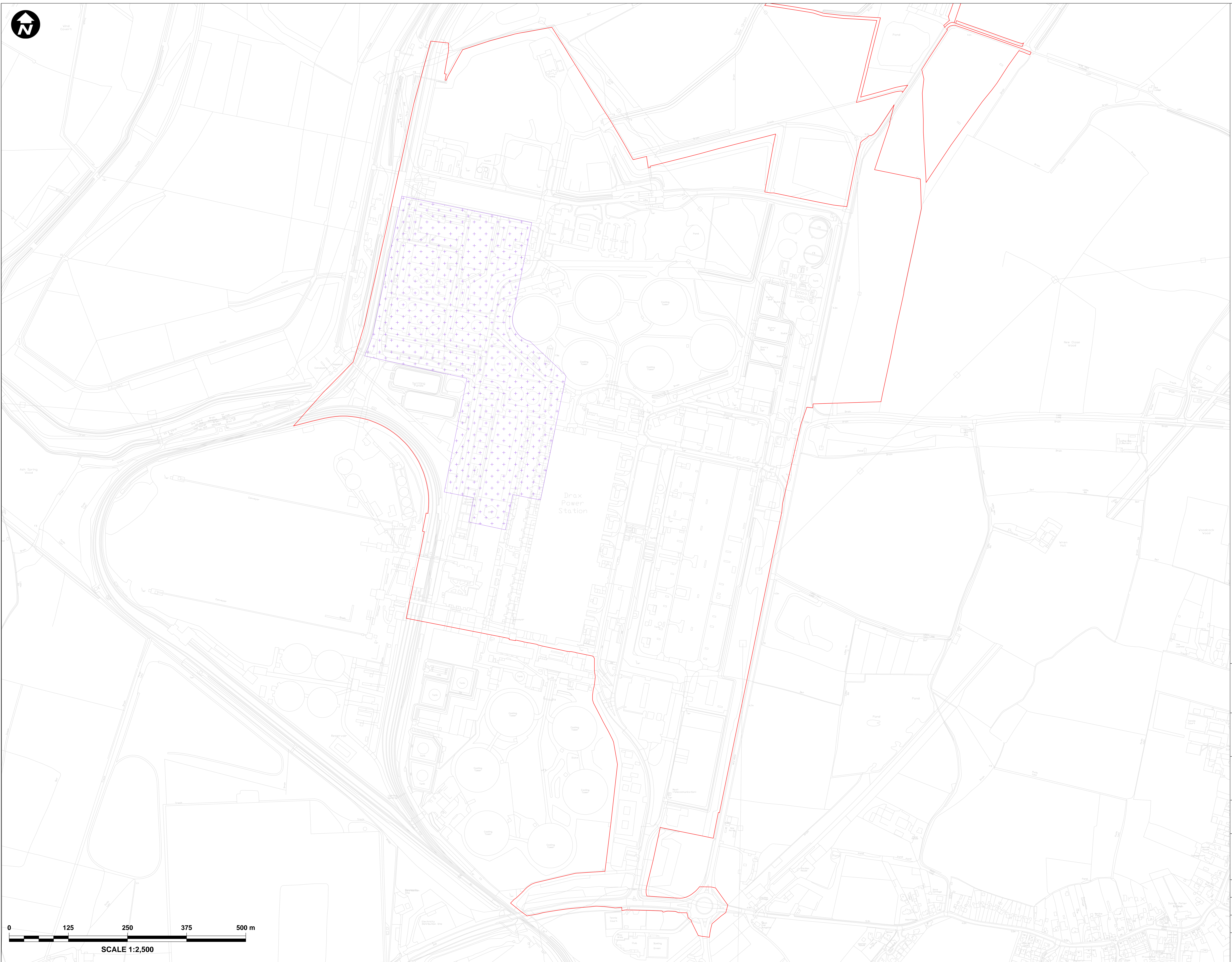
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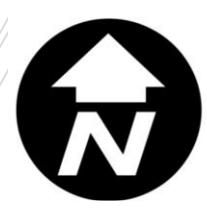
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- Work No. 1D(v) - Supporting Carbon Capture Plant Infrastructure for Unit 1
- Work No. 1D(vi) - Supporting Carbon Capture Plant Infrastructure for Unit 2
- Work No. 1D(viii) - Common Supporting Infrastructure



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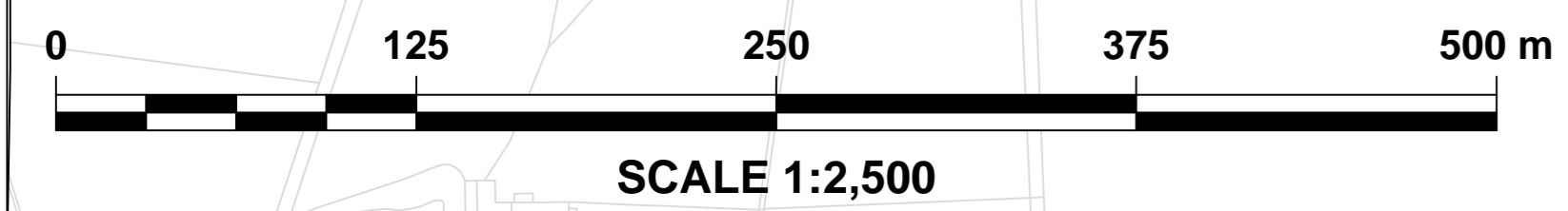
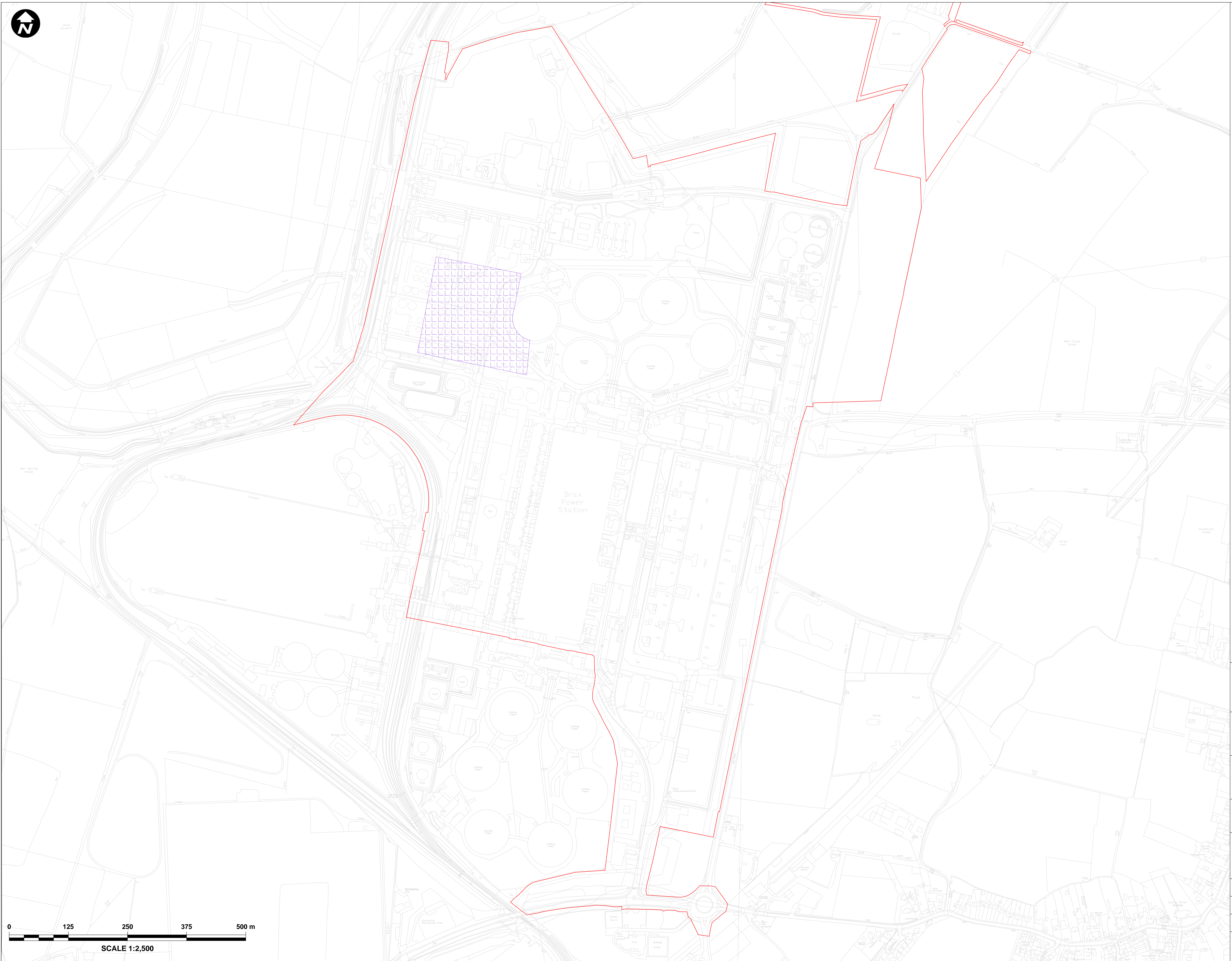


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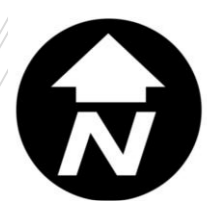
- Order Limits
- Work No. 1D(vii) - Common Solvent Storage and Make-up System



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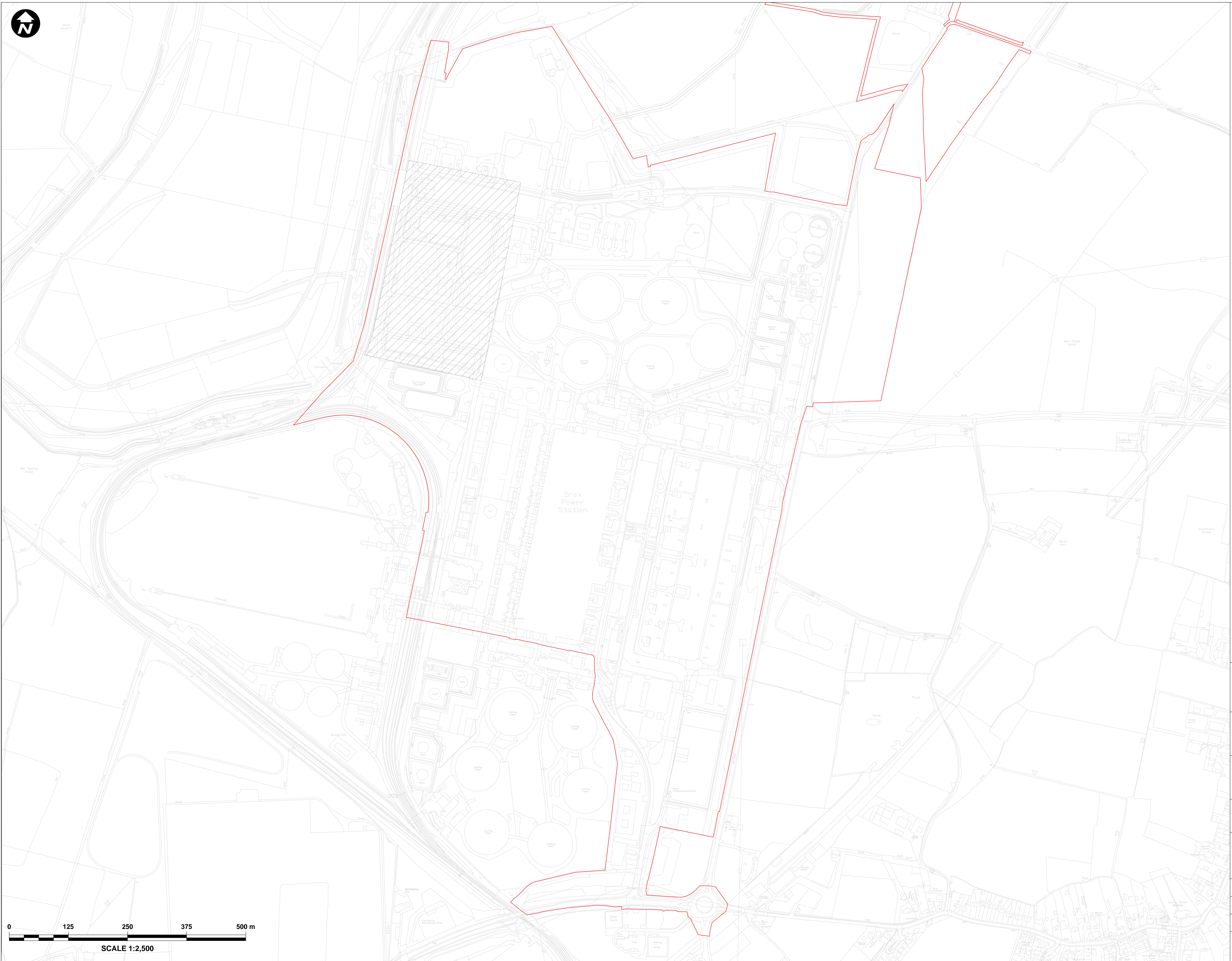
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Key:

Order Limits

Work No. 1E(i) - Carbon Dioxide Processing and Compression Plant for Unit 1
Work No. 1E(ii) - Carbon Dioxide Processing and Compression Plant for Unit 2



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WORKS PLANS
WORK NO. 1E(i,ii) - CARBON DIOXIDE
PROCESSING AND COMPRESSION PLANT
(SHEET 9 OF 18)

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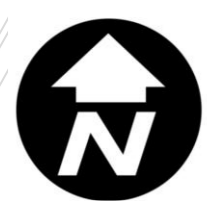
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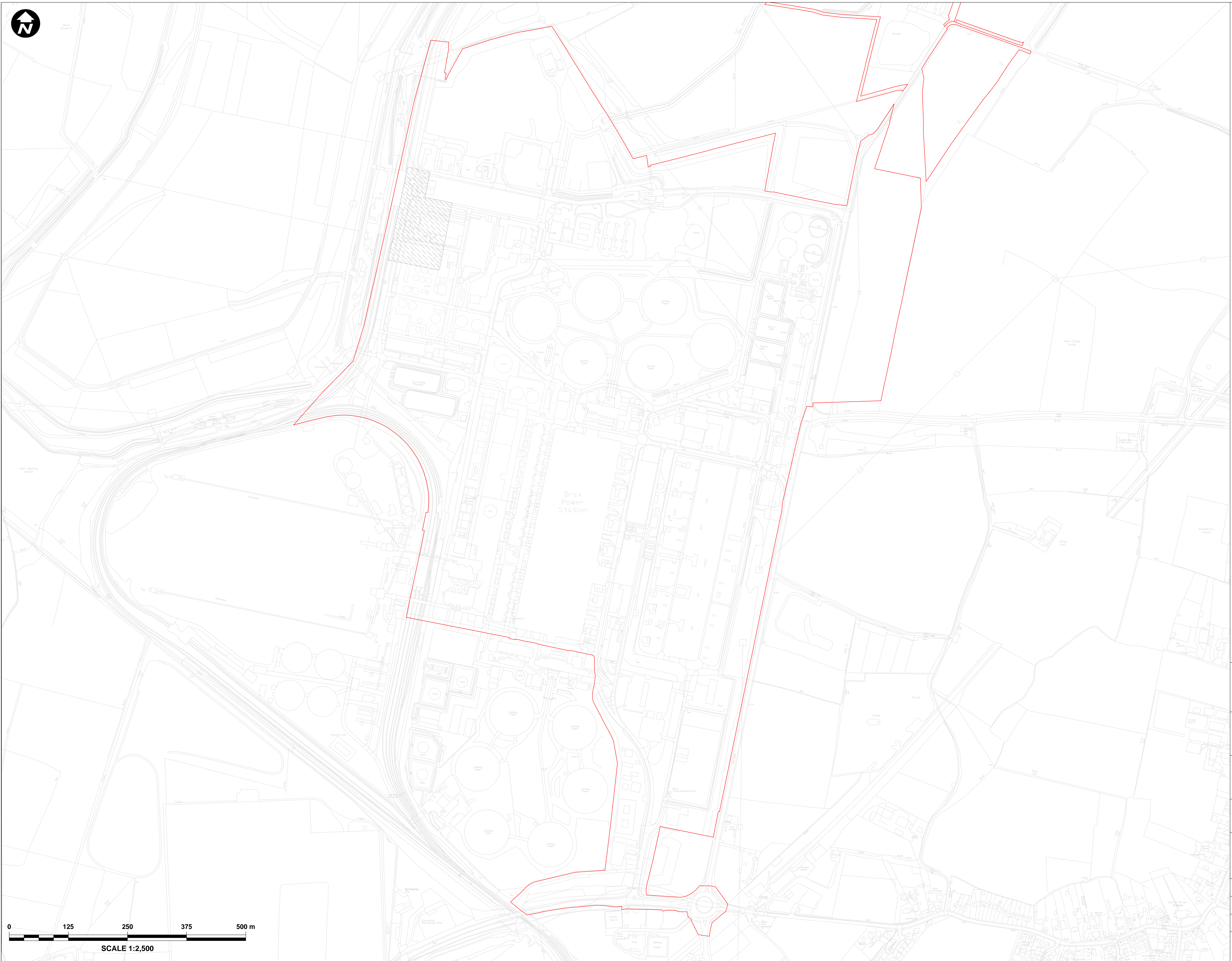
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Key:

Order Limits

Work No. 1E(iii) - Carbon Dioxide Main Vent Stack for Unit 1
Work No. 1E(iv) - Carbon Dioxide Main Vent Stack for Unit 2



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WORKS PLANS
WORK NO. 1E(iii) - CARBON DIOXIDE MAIN VENT STACKS FOR UNITS 1 AND 2 (SHEET 10 OF 18)

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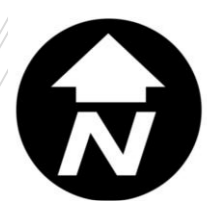
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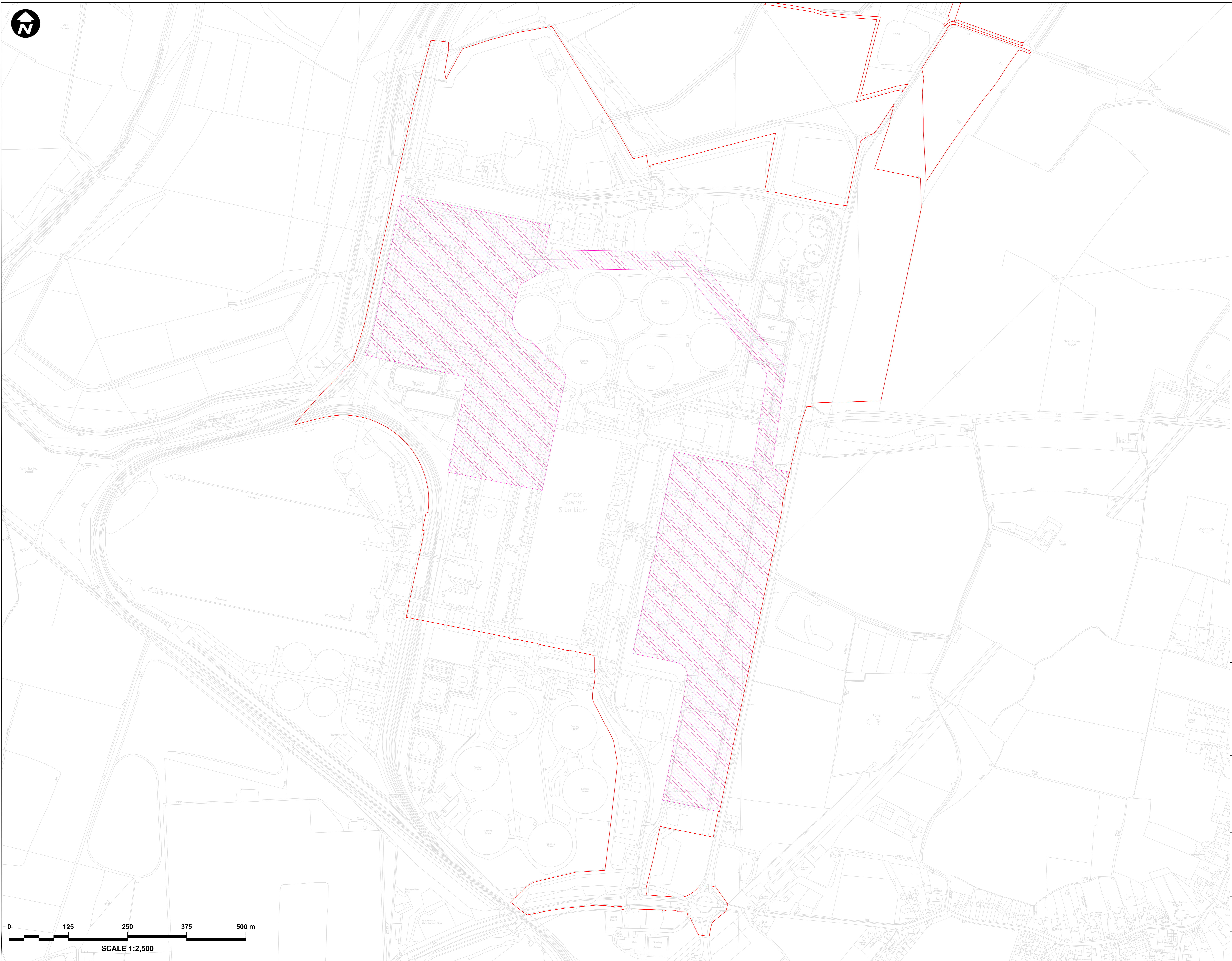
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Key:

Order Limits

Work No. 1F - Electrical Connections



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WORK NO. 1F - ELECTRICAL CONNECTIONS
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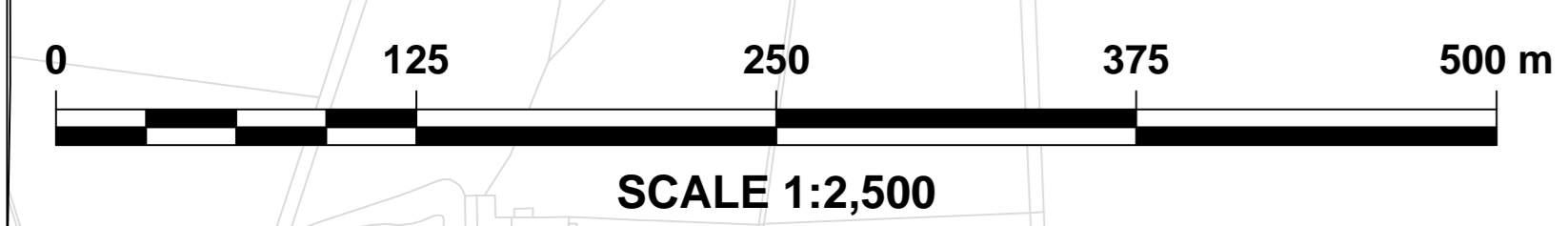
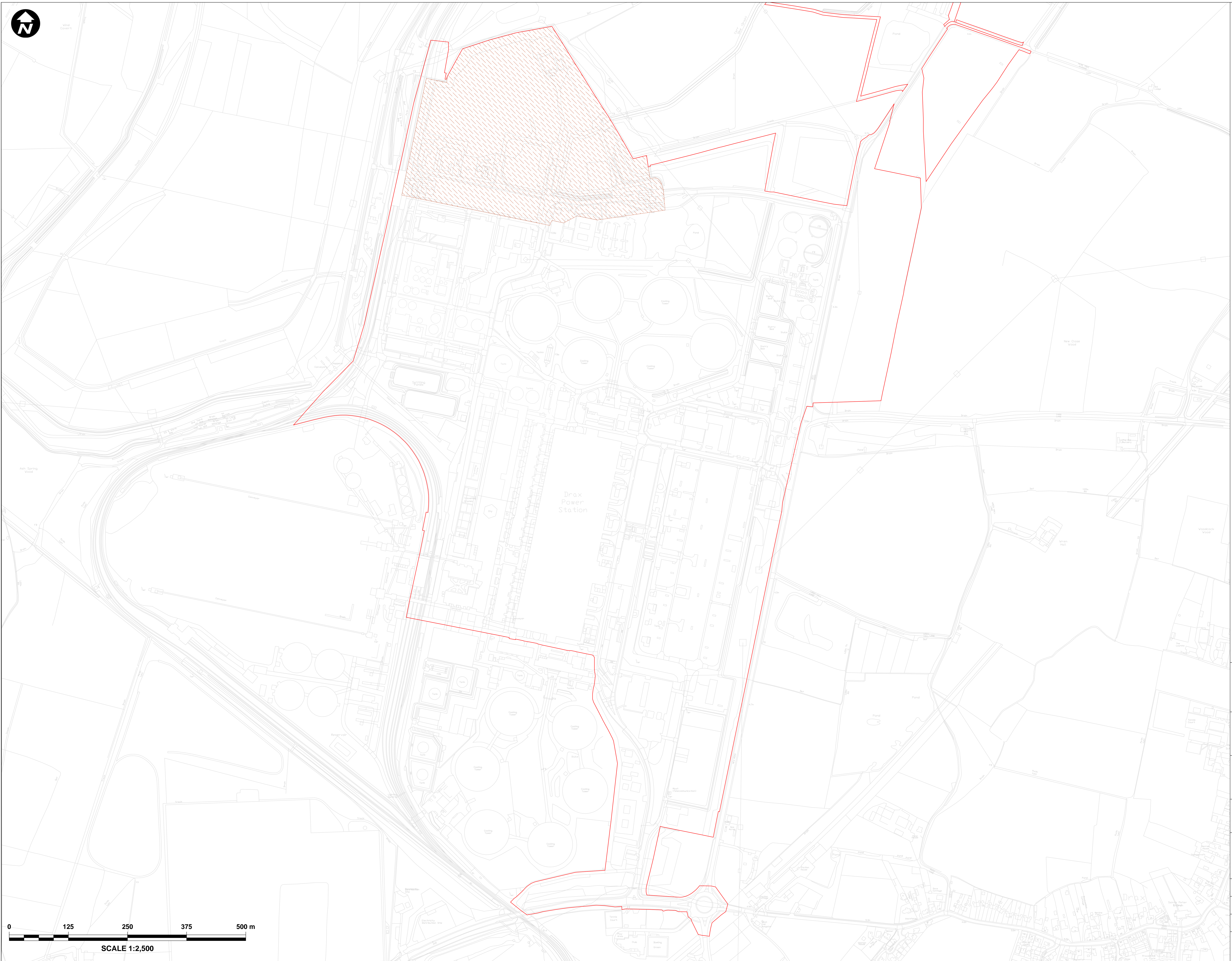
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Key:

Order Limits

Work No. 2 - Carbon Dioxide Transport Infrastructure



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WORK NO. 2 - CARBON DIOXIDE TRANSPORT INFRASTRUCTURE (SHEET 12 OF 18)

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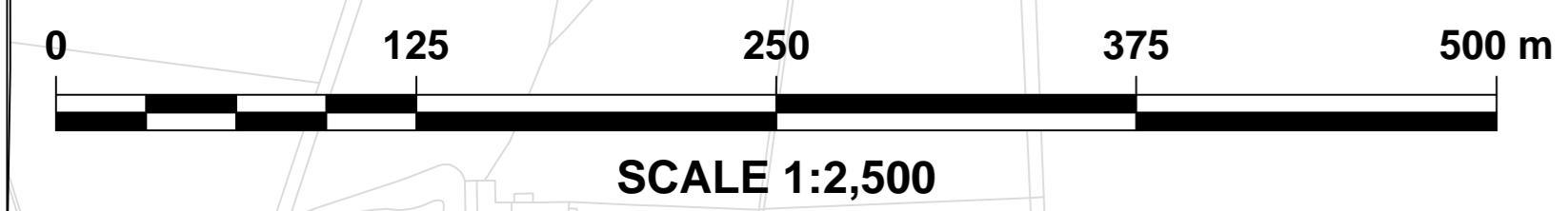
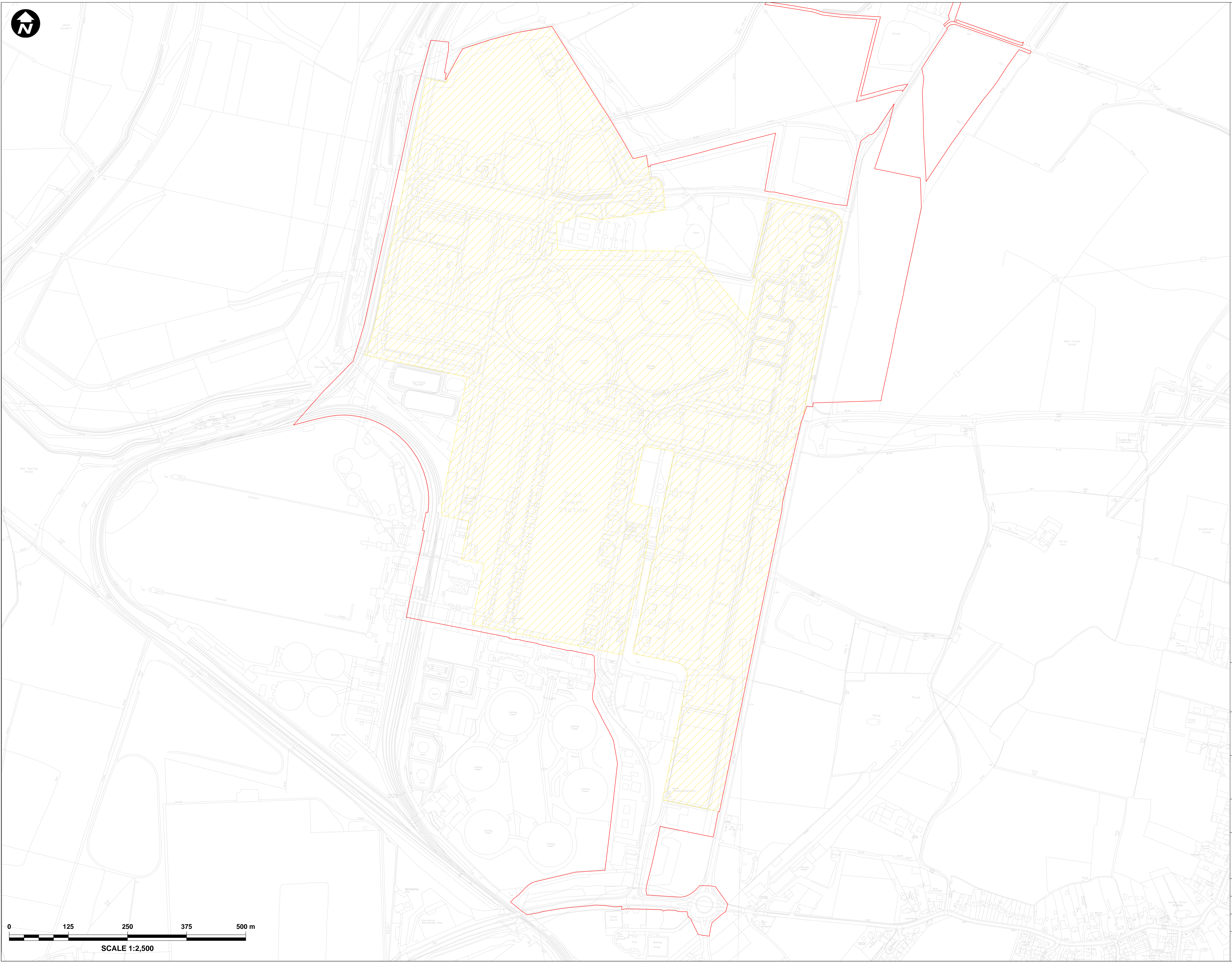
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Key:

- Order Limits
- Work No. 3 - Supporting Works in connection with and in addition to Work Nos. 1, 2 and 5



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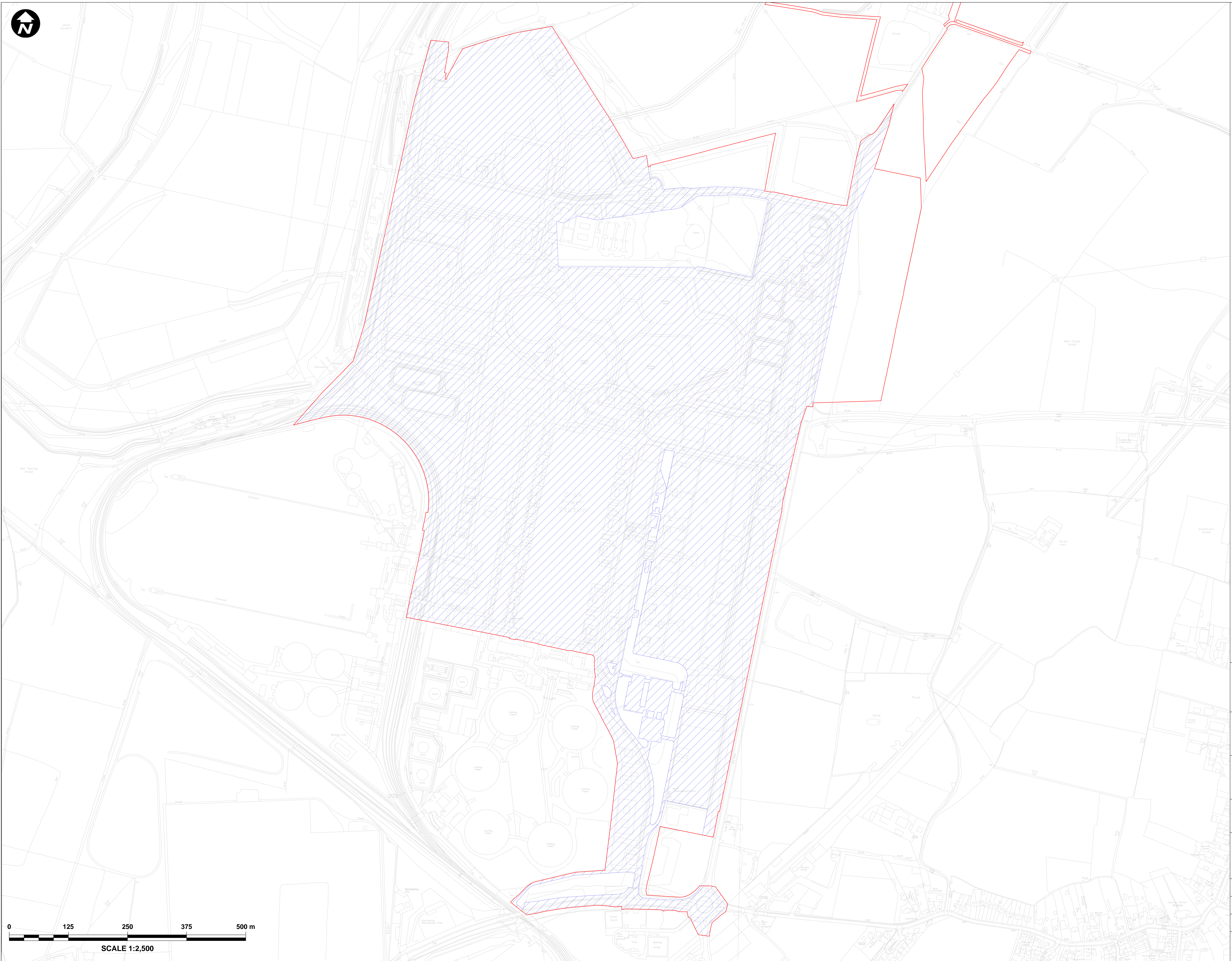


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WORK NO. 3 - SUPPORTING WORKS IN CONNECTION WITH AND IN ADDITION TO WORK NOS. 1, 2 AND 5 (SHEET 13 OF 18)			
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EN010120-PA-WP-2.3-Sheet13			



Key:

- Order Limits
- Work No. 4 - Works to Facilitate Construction Access



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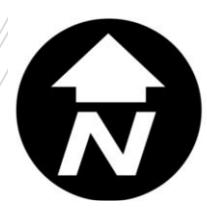
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 WORK NO. 4 - WORKS TO FACILITATE CONSTRUCTION ACCESS
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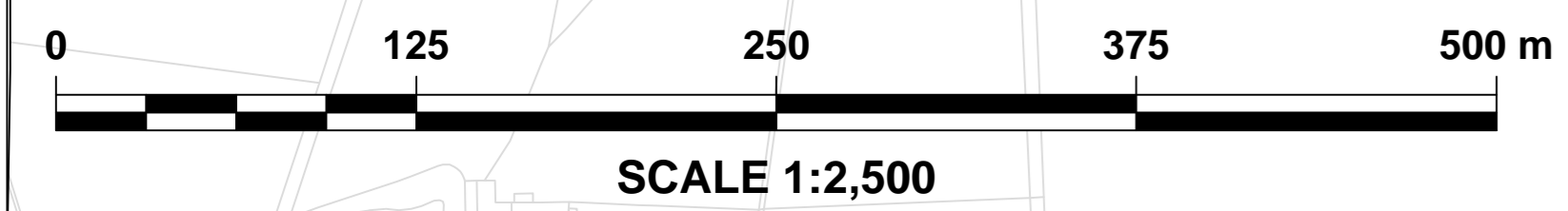
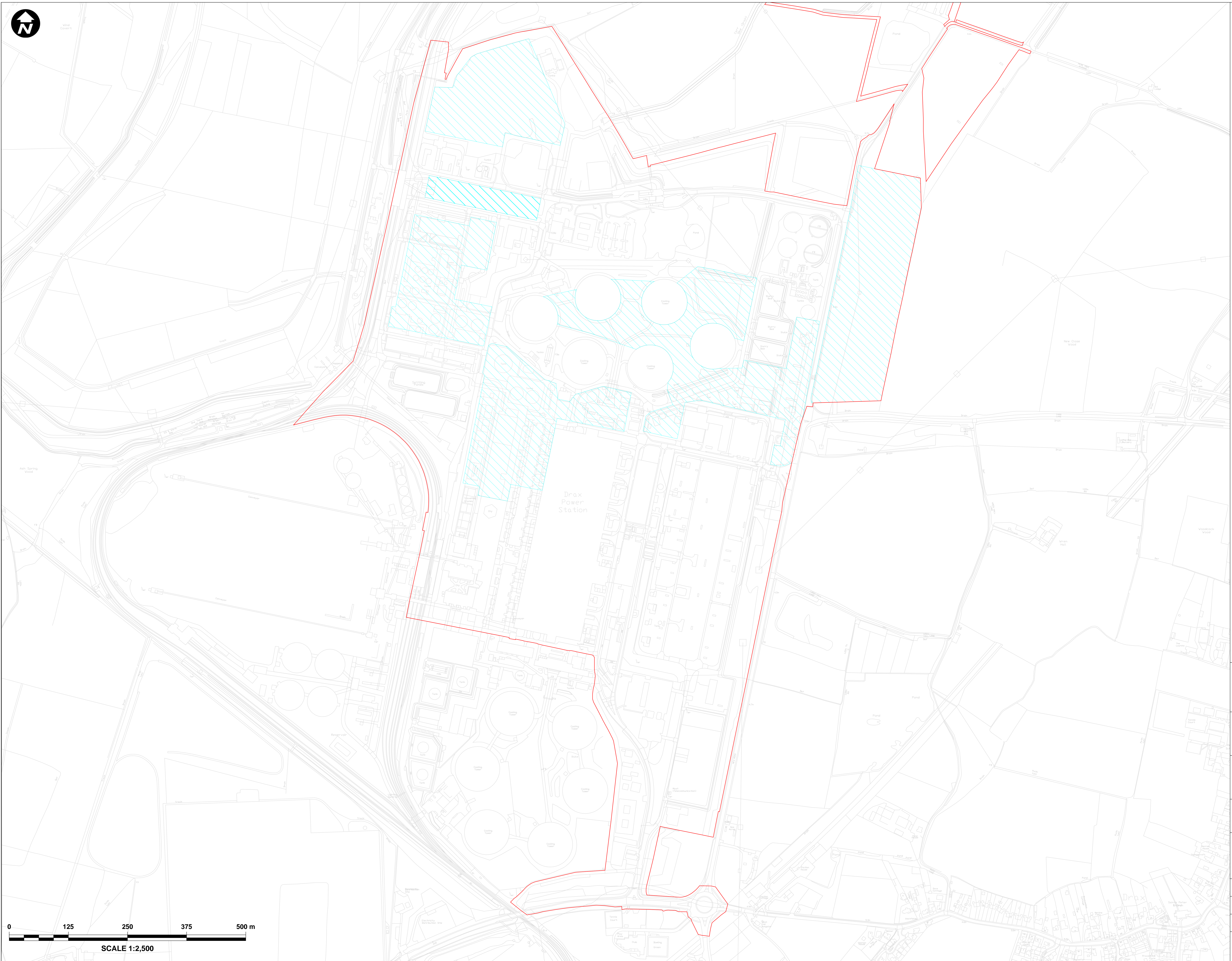
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Key:

- Order Limits
- Work No. 5 - Temporary Construction Laydown



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WORKS PLANS
 WORK NO. 5 - TEMPORARY CONSTRUCTION LAYDOWN
 (SHEET 15 OF 18)

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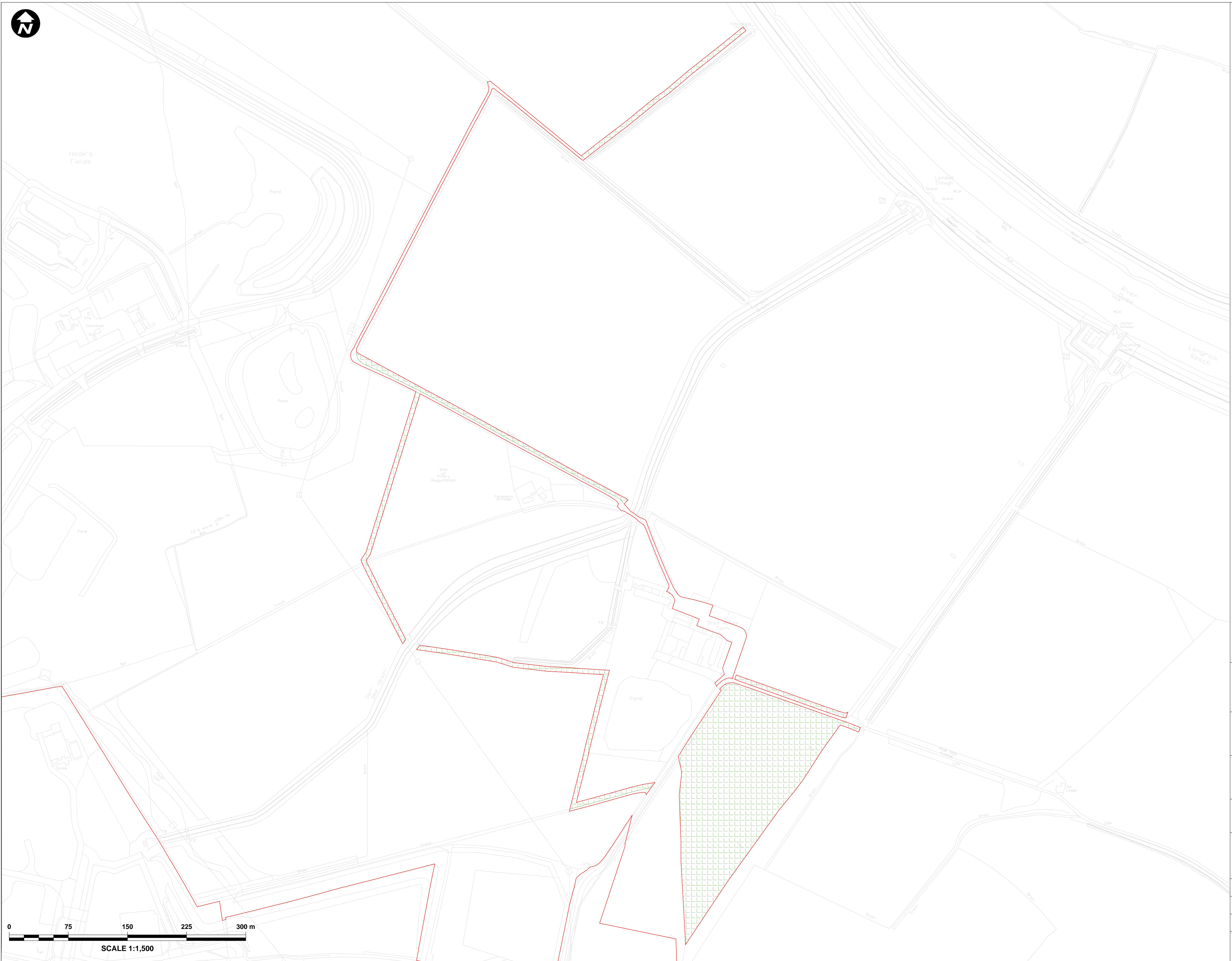
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Key:

Order Limits

Work No. 6 - Habitat Provision Area



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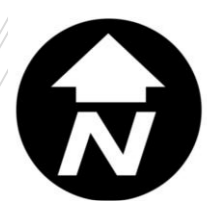
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WORK NO. 6 - HABITAT PROVISION AREA
(SHEET 16 OF 18)

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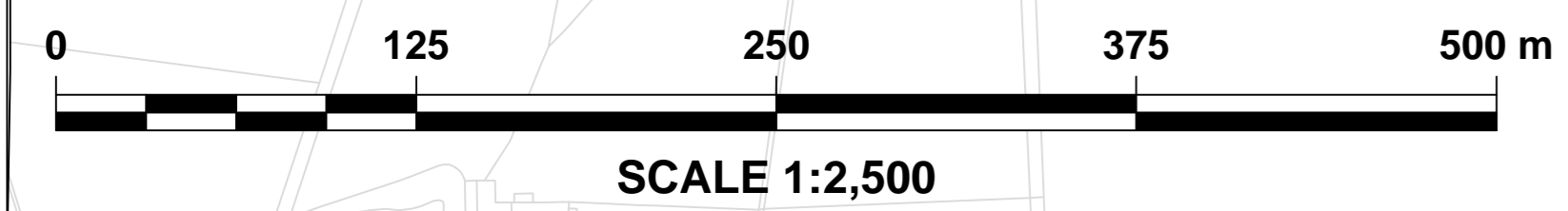
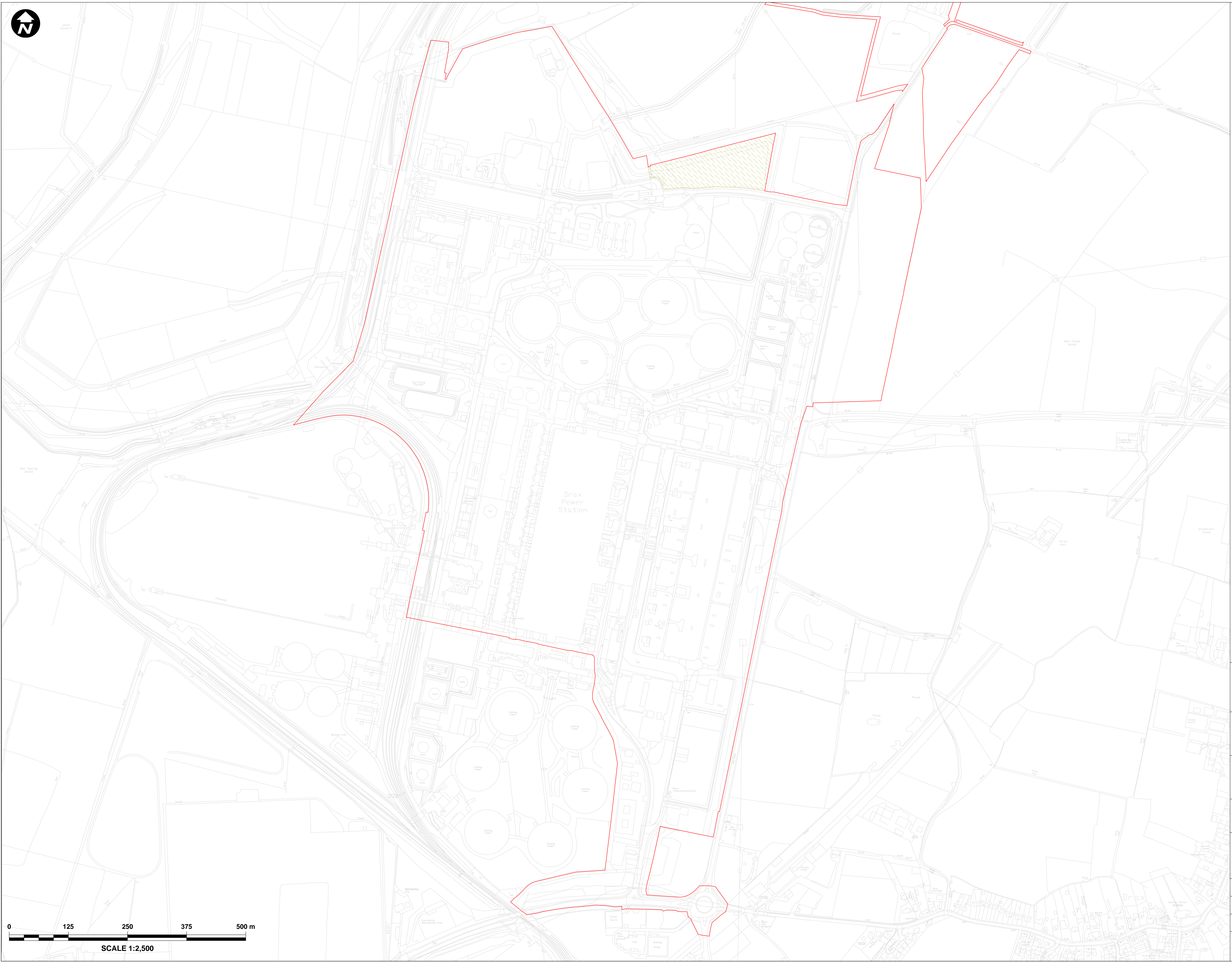
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Key:

- Order Limits
- Work No. 7 - Floodplain Compensation Area



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WORKS PLANS
 WORK NO. 7 - FLOODPLAIN COMPENSATION AREA
 (SHEET 17 OF 18)

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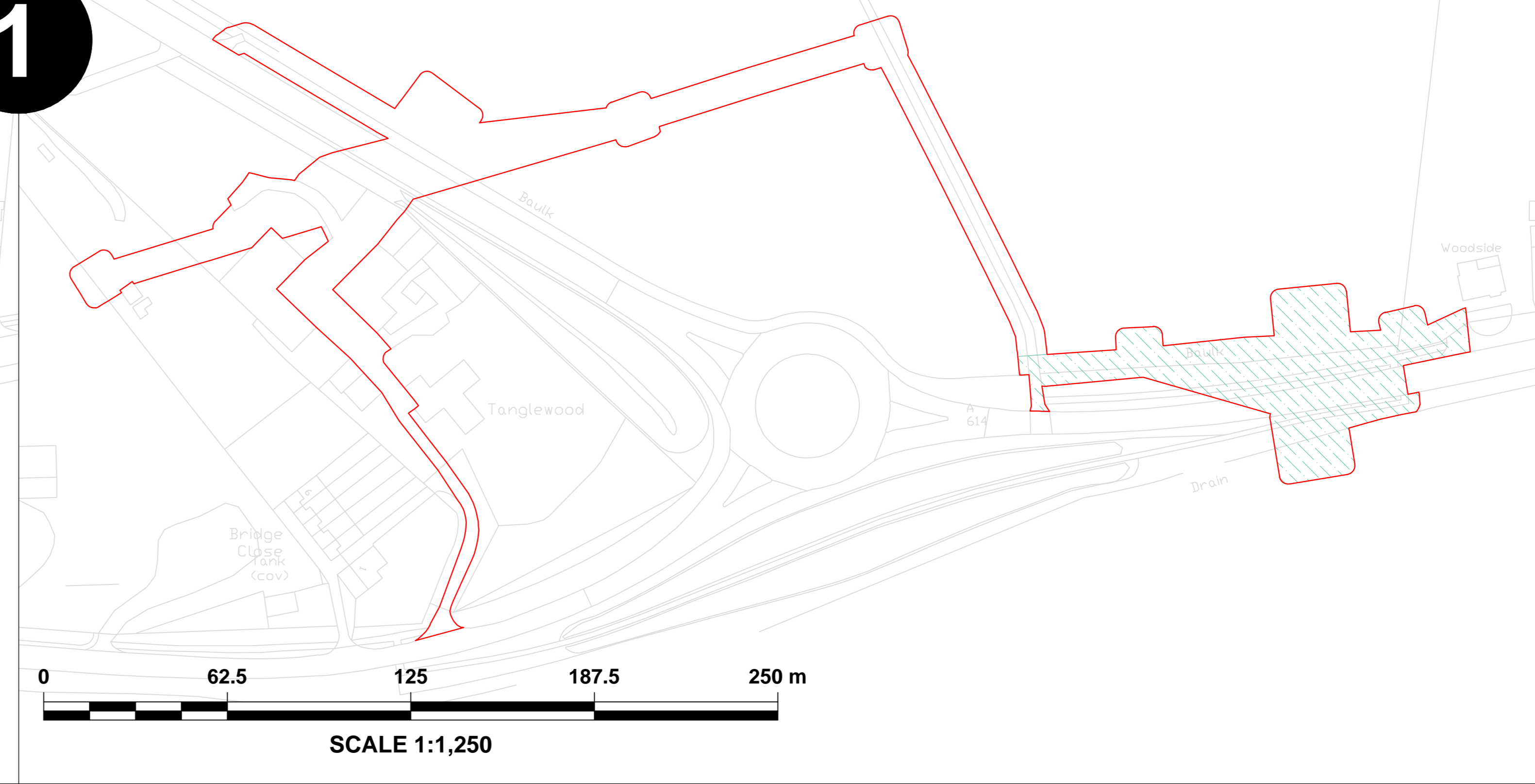
DRAWING NUMBER
 EN010120-PA-WP-2.3-Sheet17



Work No. 8A - Diversion of Existing Electrical 11kV Overhead Lines

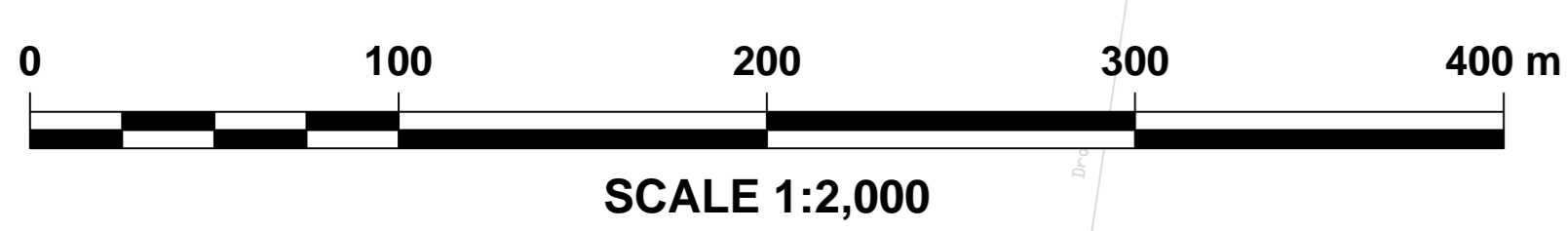


Work No. 8B - Diversion of Existing Telecommunications Overhead Lines



Key:

- Order Limits
- Work No. 8 - Works to Facilitate the Delivery of Abnormal Indivisible Loads to the Site**
- Work No. 8A - Diversion of Existing Electrical 11kV Overhead Lines
- Work No. 8B - Diversion of Existing Telecommunications Overhead Lines



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PROJECT TITLE
DRAX BECCS DCO

DRAWING TITLE
WORKS PLANS
 WORK NO. 8 - WORKS TO FACILITATE THE DELIVERY OF ABNORMAL INDIVISIBLE LOADS TO SITE (SHEET 18 OF 18)

DRAWING STATUS
FOR ISSUE

DRAWN	CHECKED	APPROVED	AUTHORISED
CH	RM	RM	DG

SCALE @ A0 SIZE	DATE	REVISION
1:2,000	19/12/2022	P01

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 EN010120-PA-WP-2.3-Sheet18