



WORKS PLANS

Drax Bioenergy with Carbon Capture and Storage

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

Document Reference Number: 2.3

Applicant: Drax Power Limited

PINS Reference: EN010120



REVISION: 01

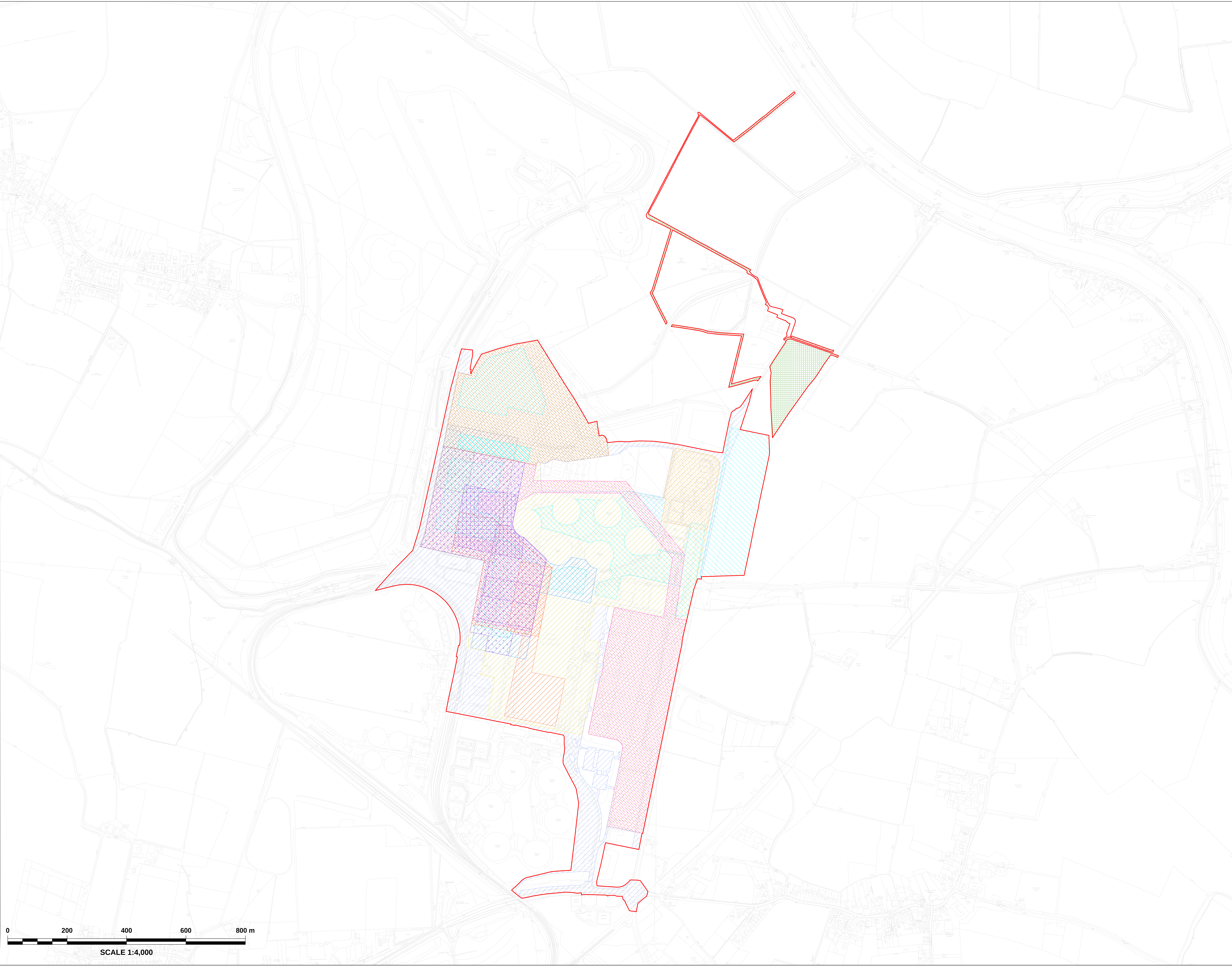
DATE: May 2022

DOCUMENT OWNER: WSP UK Limited

AUTHOR: C. Hachmann

APPROVER: R. Makin

PUBLIC



Key:

Order Limits

Work No. 1 - Carbon Capture Plant

Work No. 1A - Water Pre-Treatment Plant

Work No. 1B - Cooling Water Connection

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

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

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

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

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

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(vii) - Common Supporting Infrastructure

Work No. 1D(viii) - Common Solvent Storage and Make-up System

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

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

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

Work No. 1F - Electrical Connections

Work No. 2 - Carbon Dioxide Transport Infrastructure

Work No. 3 - Supporting Works for Work Nos. 1 and 2

Work No. 4 - Works to Facilitate Construction Access

Work No. 5 - Temporary Construction Laydown

Work No. 6 - Habitat Provision Area

Land within the Order Limits with no work to be undertaken.

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PROJECT TITLE

DRAX BECCS DCO

DRAWING TITLE

WORKS PLANS
KEY PLAN

DRAWING STATUS

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CH	RM	CF	LP

SCALE @ A0 SIZE	DATE	REVISION
1:4,000	06/05/2022	P01

DRAWING NUMBER

EN010120-PA-WP-2.3-Sheet0



Key:

Order Limits

Work No. 1A - Water Pre-Treatment Plant

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WORKS PLANS

SHEET 1 OF 16: WORK NO. 1A - WATER PRE-TREATMENT PLANT

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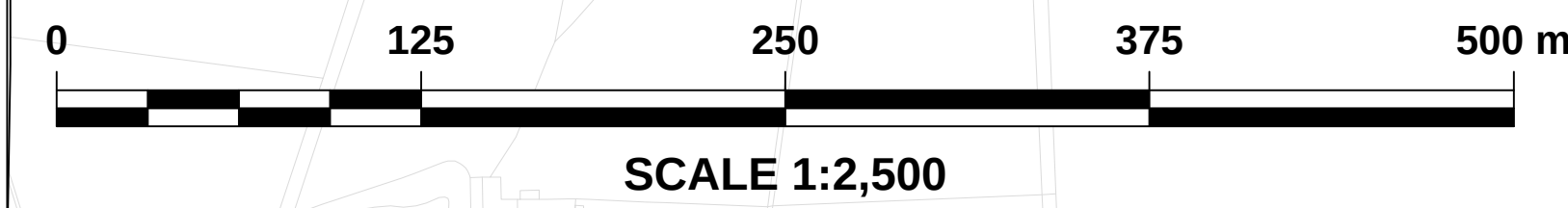
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1:2,500	06/05/2022	P01

DRAWING NUMBER

EN010120-PA-WP-2.3-Sheet1



Key:

Order Limits

Work No. 1B - Cooling Water Connection

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WORKS PLANS

SHEET 2 OF 16; WORK NO. 1B - COOLING WATER CONNECTION

DRAWING STATUS

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1:2,500	06/05/2022	P01

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EN010120-PA-WP-2.3-Sheet2

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

SHEET 3 OF 16: WORK NO. 1C(I,II) - PROCESS STEAM
CONNECTIONS WITH UNITS 1 AND 2

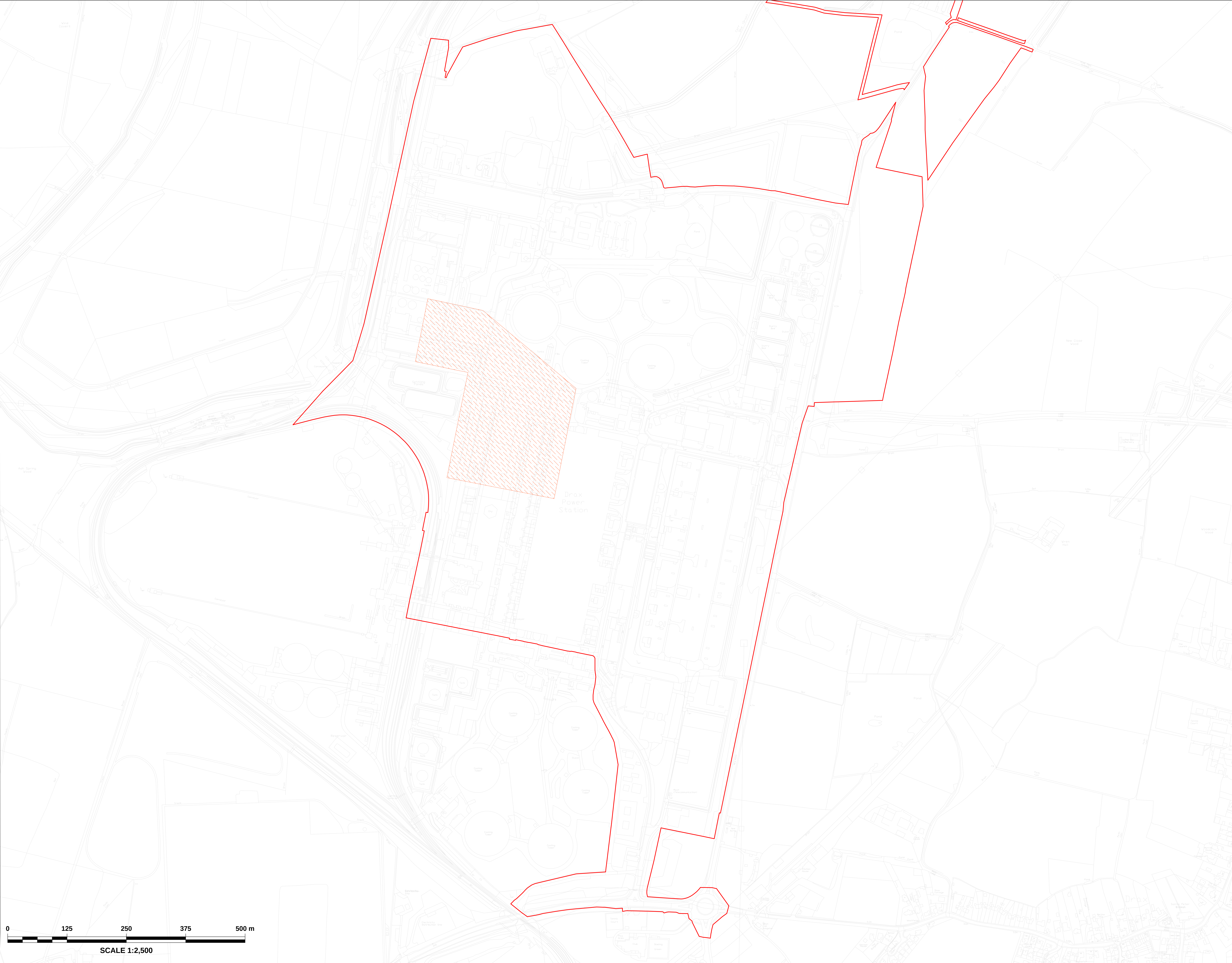
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EN010120-PA-WP-2.3-Sheet3



Key:

Order Limits

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

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WORKS PLANS
SHEET 4 OF 16: WORK NO. 1C(iii) - PROCESSING OF STEAM

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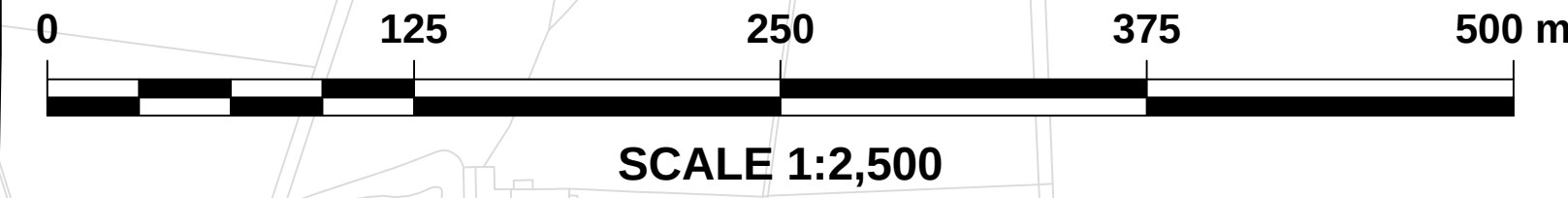
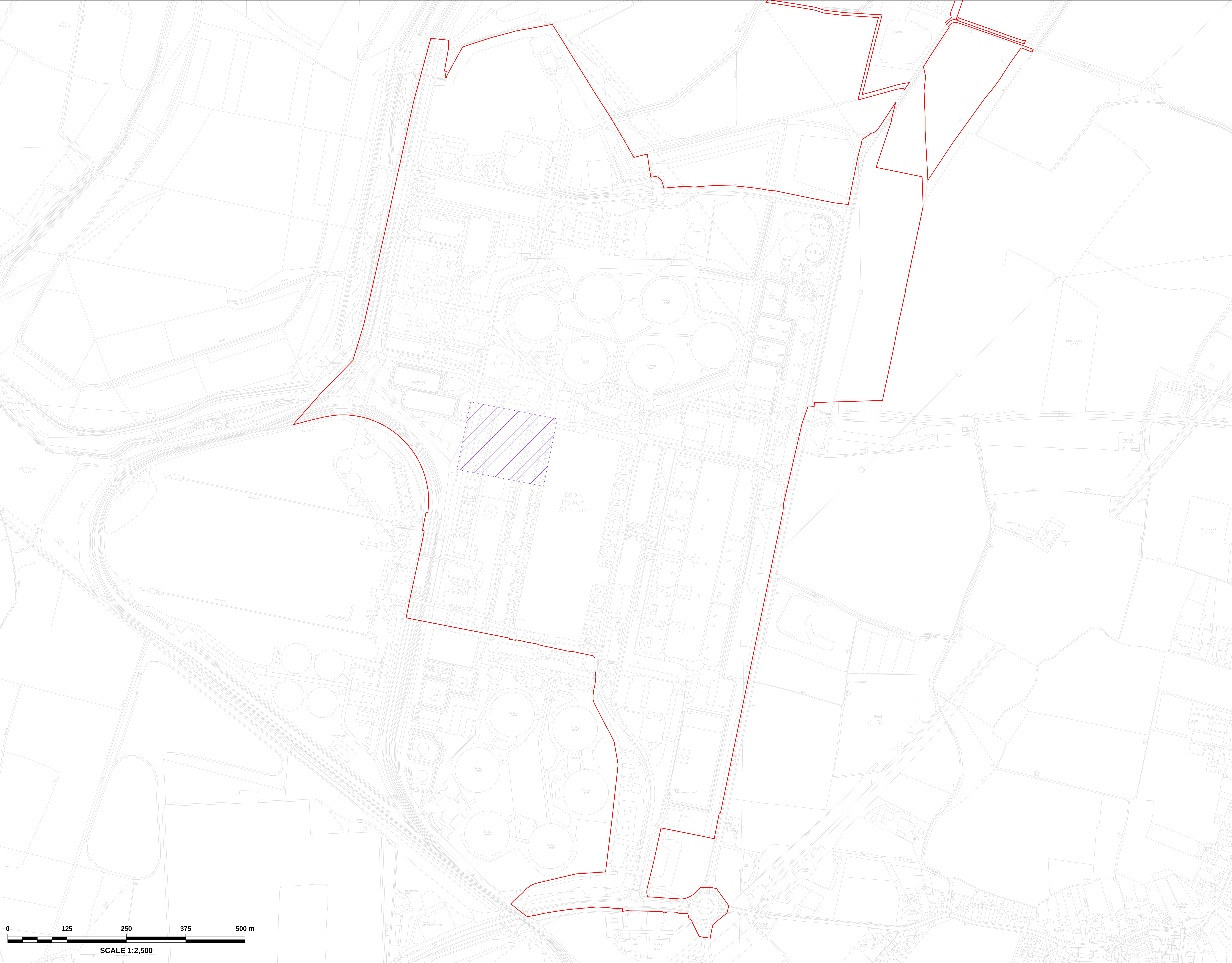
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Key:

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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SHEET 5 OF 16: WORK NO. 1D(i,ii) - ABSORBER AND QUENCH SYSTEMS FOR UNITS 1 AND 2

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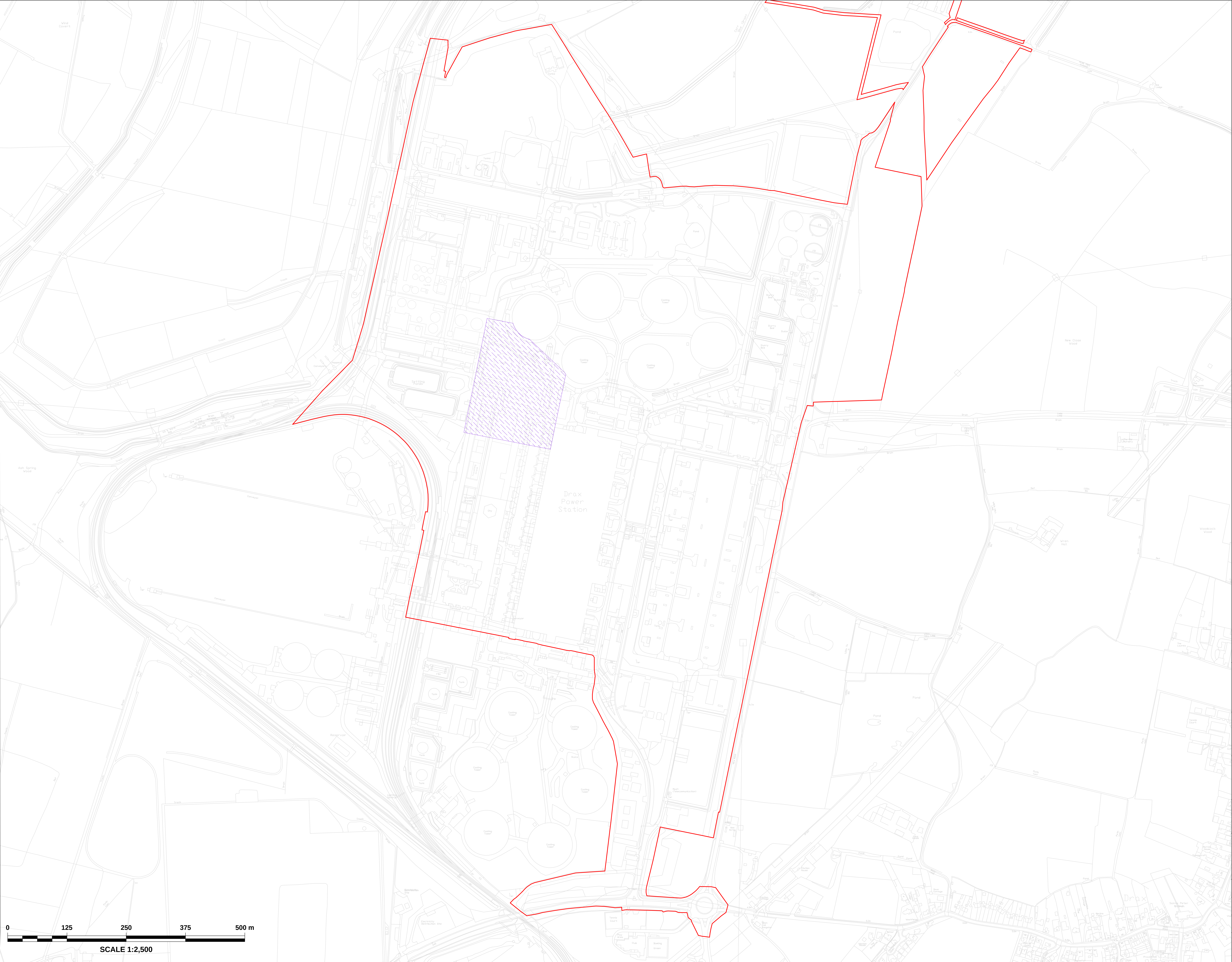
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EN010120-PA-WP-2.3-Sheet5



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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SHEET 6 OF 16: WORK NO. 1D(iii) - SOLVENT REGENERATION SYSTEMS FOR UNITS 1 AND 2

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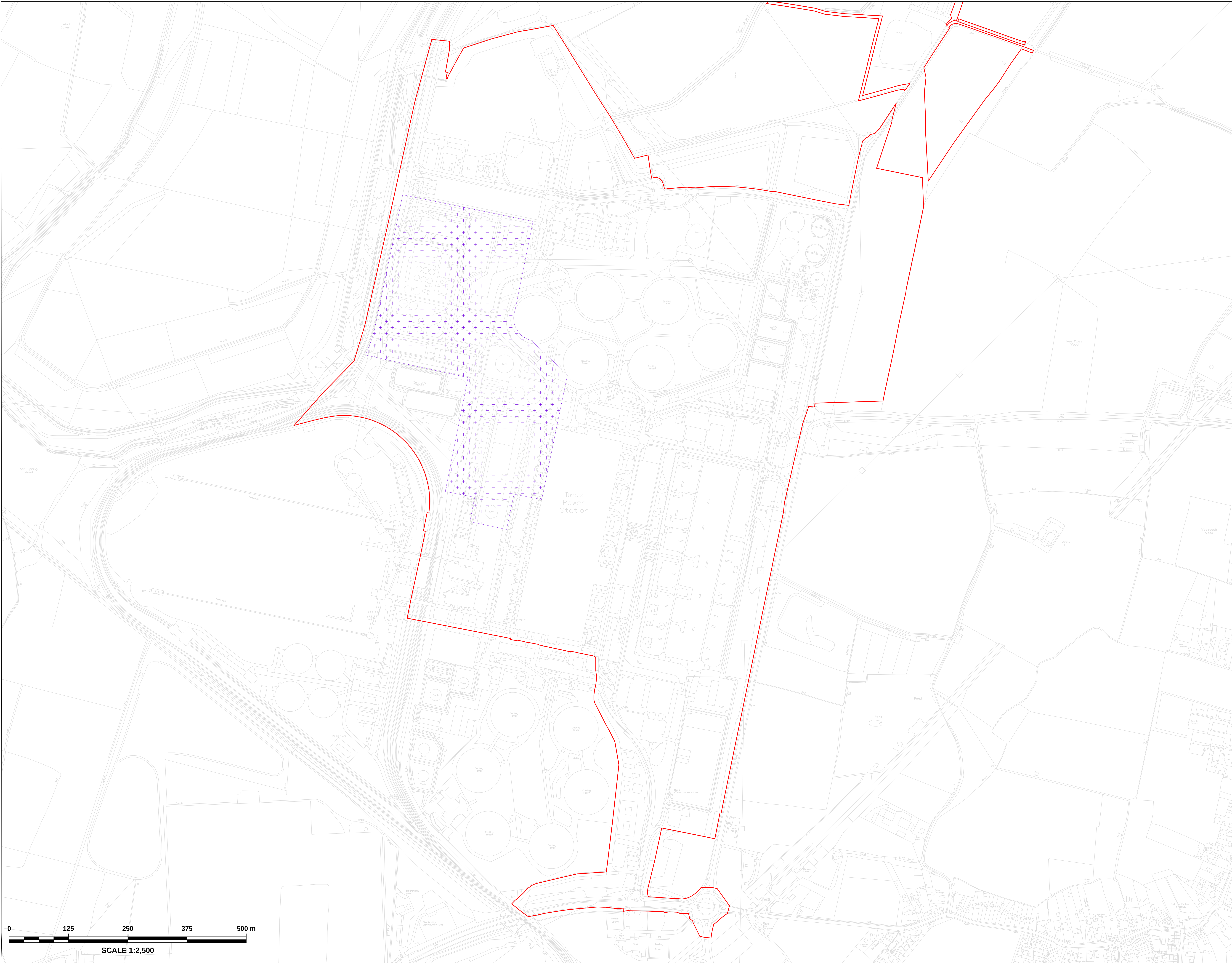
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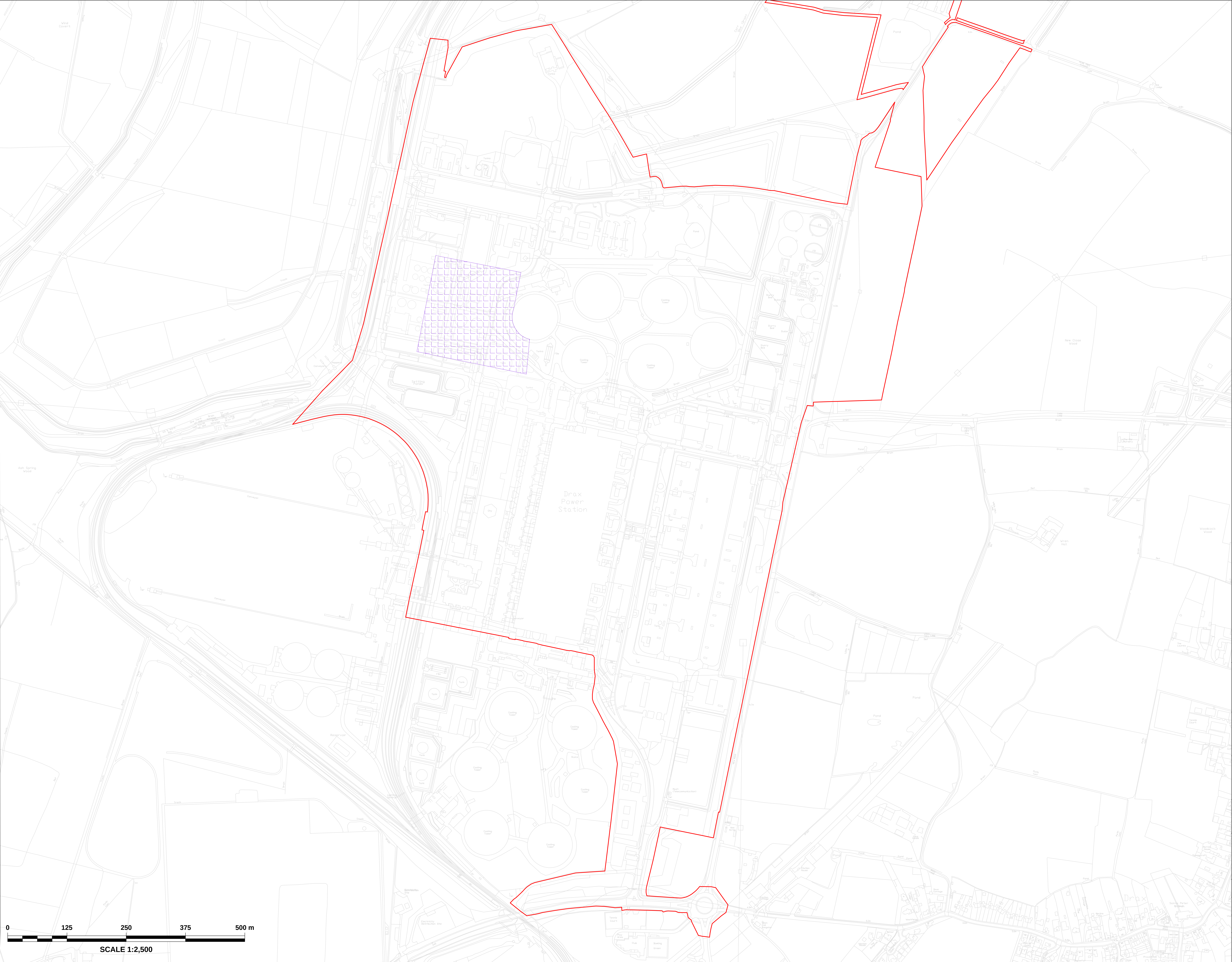
Key:

- Order Limits
- 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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WORKS PLANS			
SHEET 7 OF 16: WORK NO. 1D(v,viii) - SUPPORTING CARBON CAPTURE PLANT INFRASTRUCTURE FOR UNITS 1 AND 2 AND COMMON SUPPORTING INFRASTRUCTURE			
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EN010120-PA-WP-2.3-Sheet7			



Key:

Order Limits

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

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SHEET 8 OF 16: WORK NO. 1D(vii) - COMMON SOLVENT STORAGE AND MAKE-UP SYSTEM

DRAWING STATUS

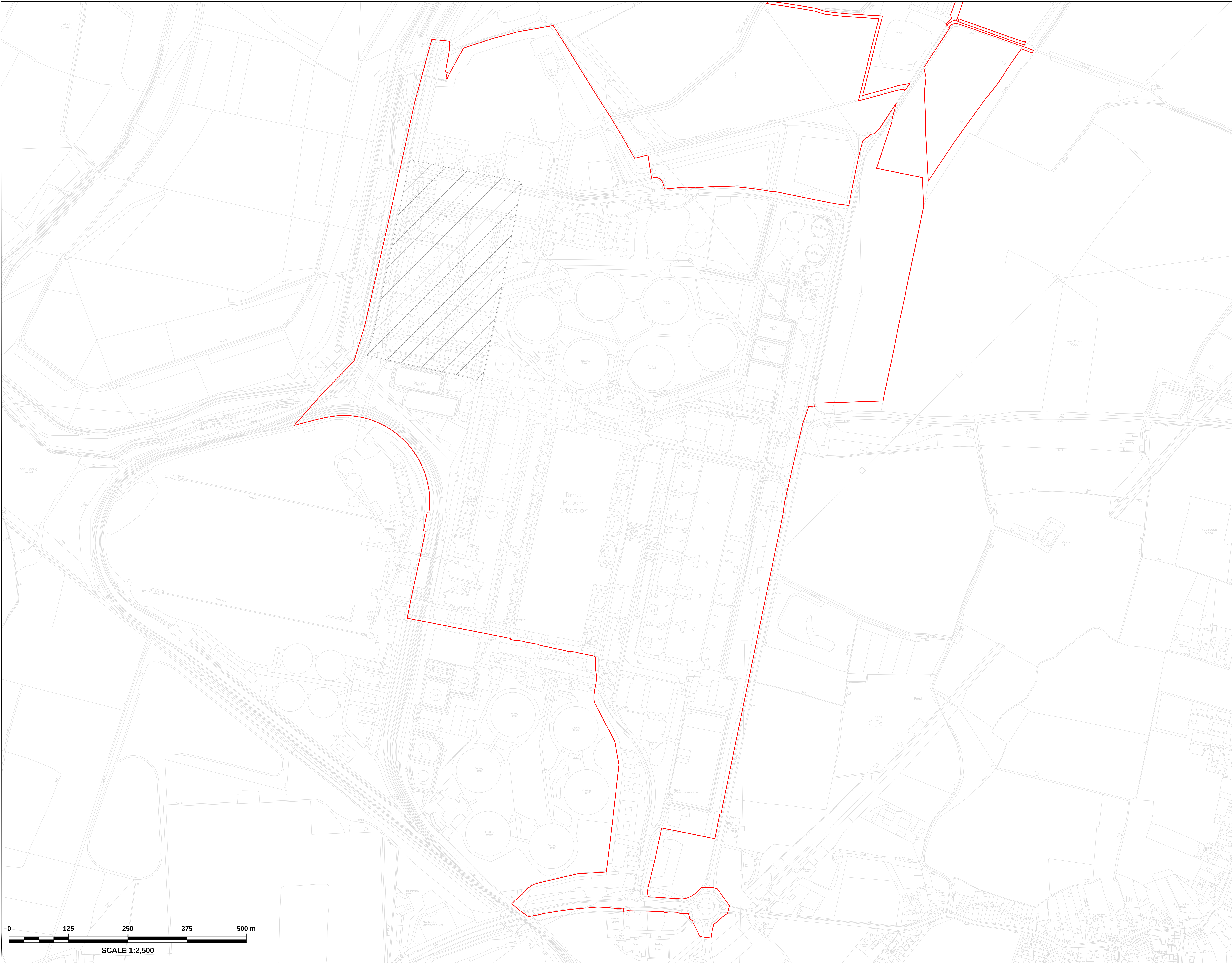
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EN010120-PA-WP-2.3-Sheet8



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

SHEET 9 OF 16: WORK NO. 1E(i)(ii) - CARBON DIOXIDE PROCESSING AND COMPRESSION PLANT

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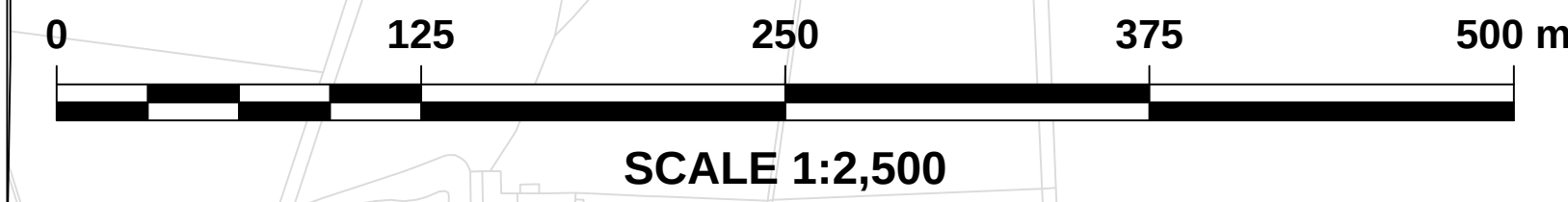
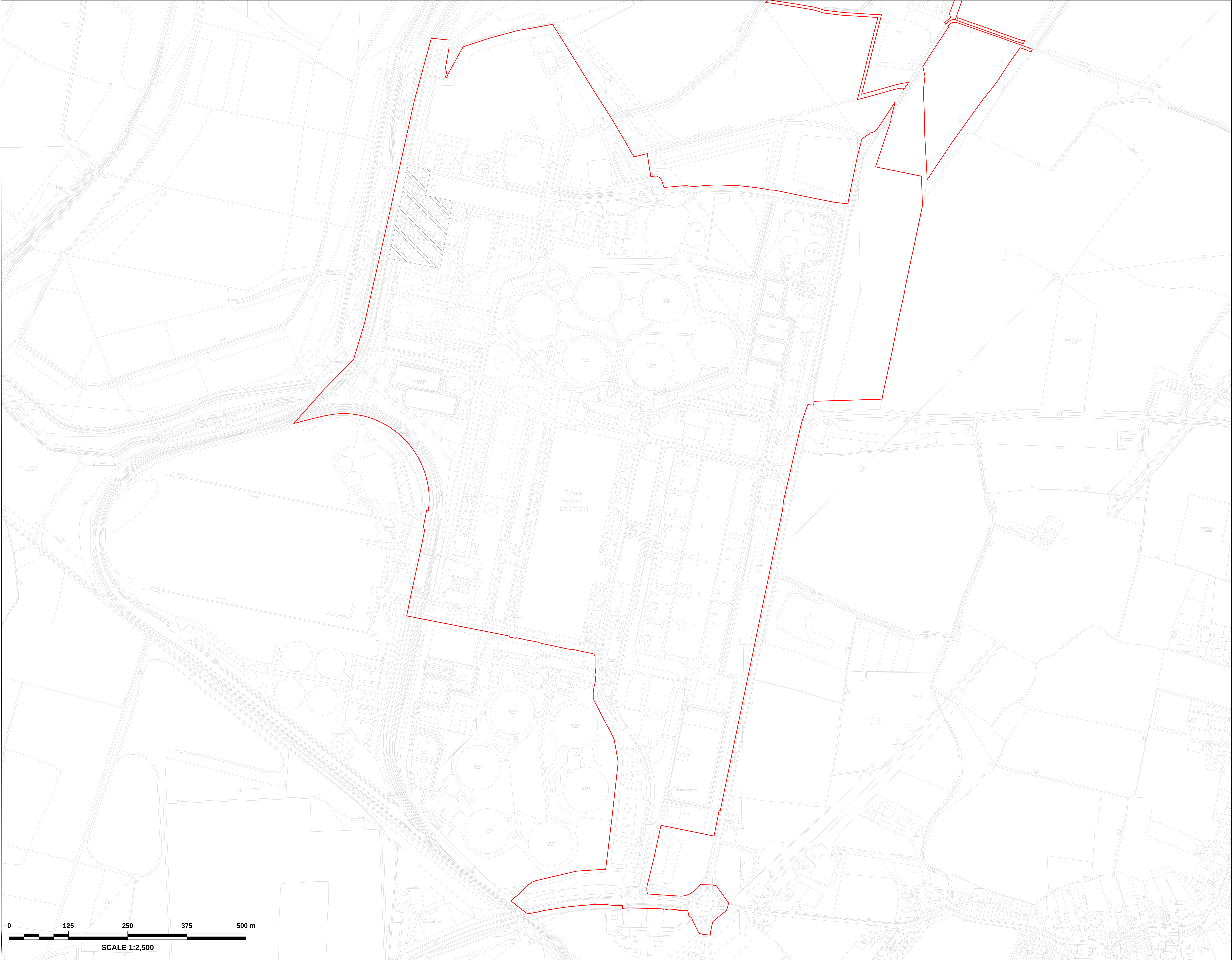
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Key:

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
SHEET 10 OF 16: WORK NO. 1E(iii) - CARBON DIOXIDE MAIN VENT STACKS FOR UNITS 1 AND 2

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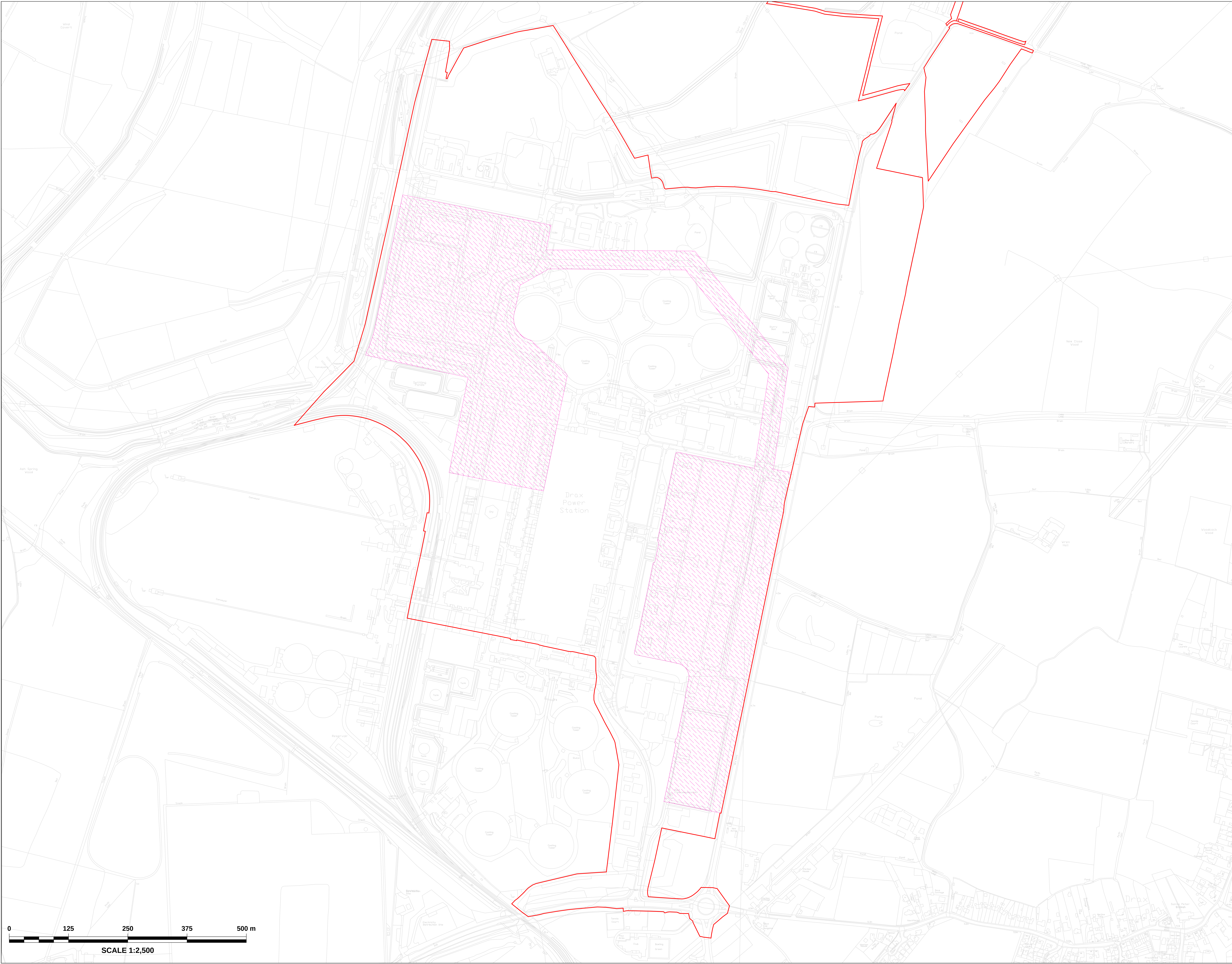
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Key:

Order Limits

Work No. 1F - Electrical Connections

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SHEET 11 OF 16: WORK NO. 1F - ELECTRICAL CONNECTIONS

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Order Limits



Work No. 2 - Carbon Dioxide Transport Infrastructure

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SHEET 12 OF 16: WORK NO. 2 - CARBON DIOXIDE
TRANSPORT INFRASTRUCTURE

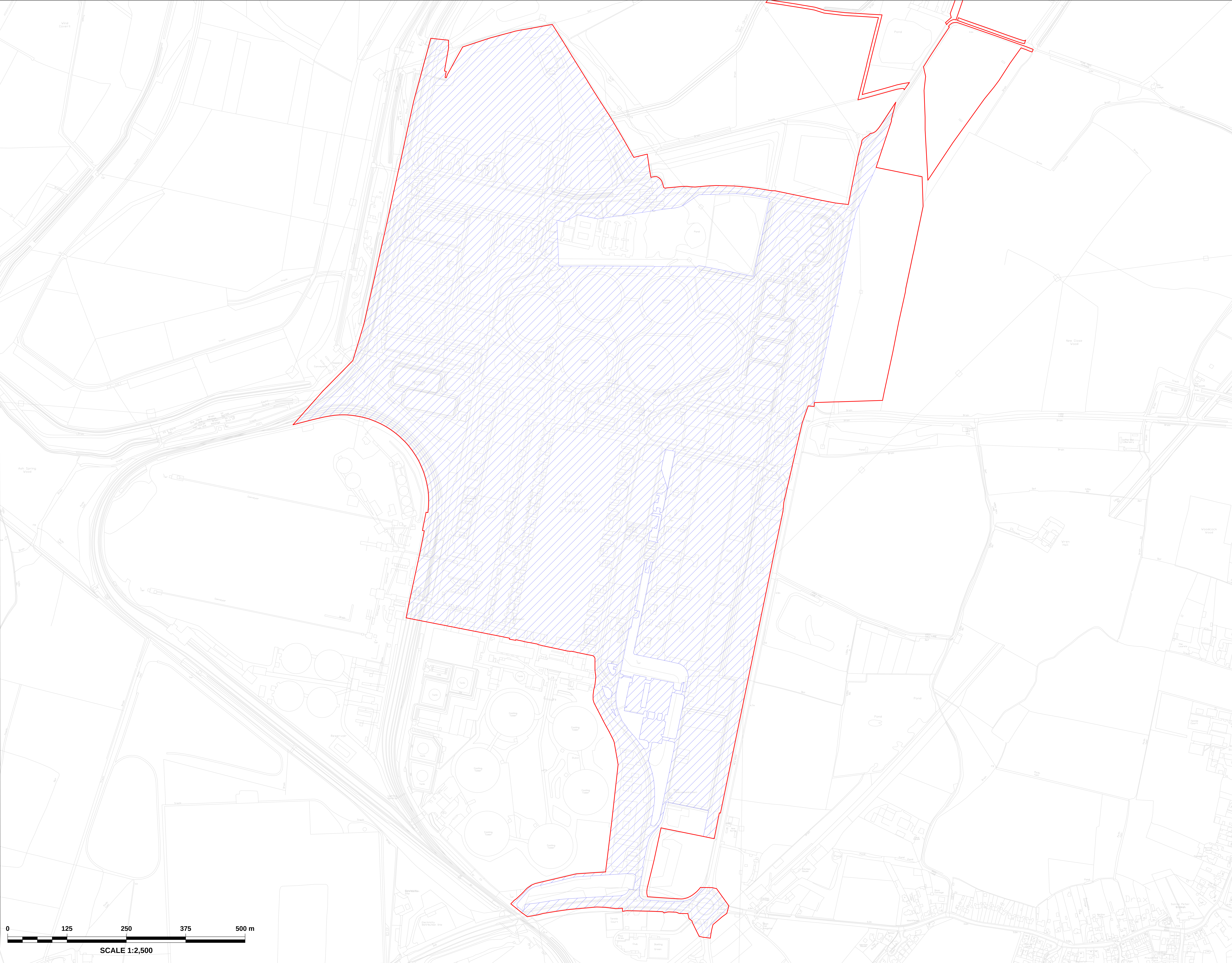
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Key:

Order Limits

Work No. 4 - Works to Facilitate Construction Access

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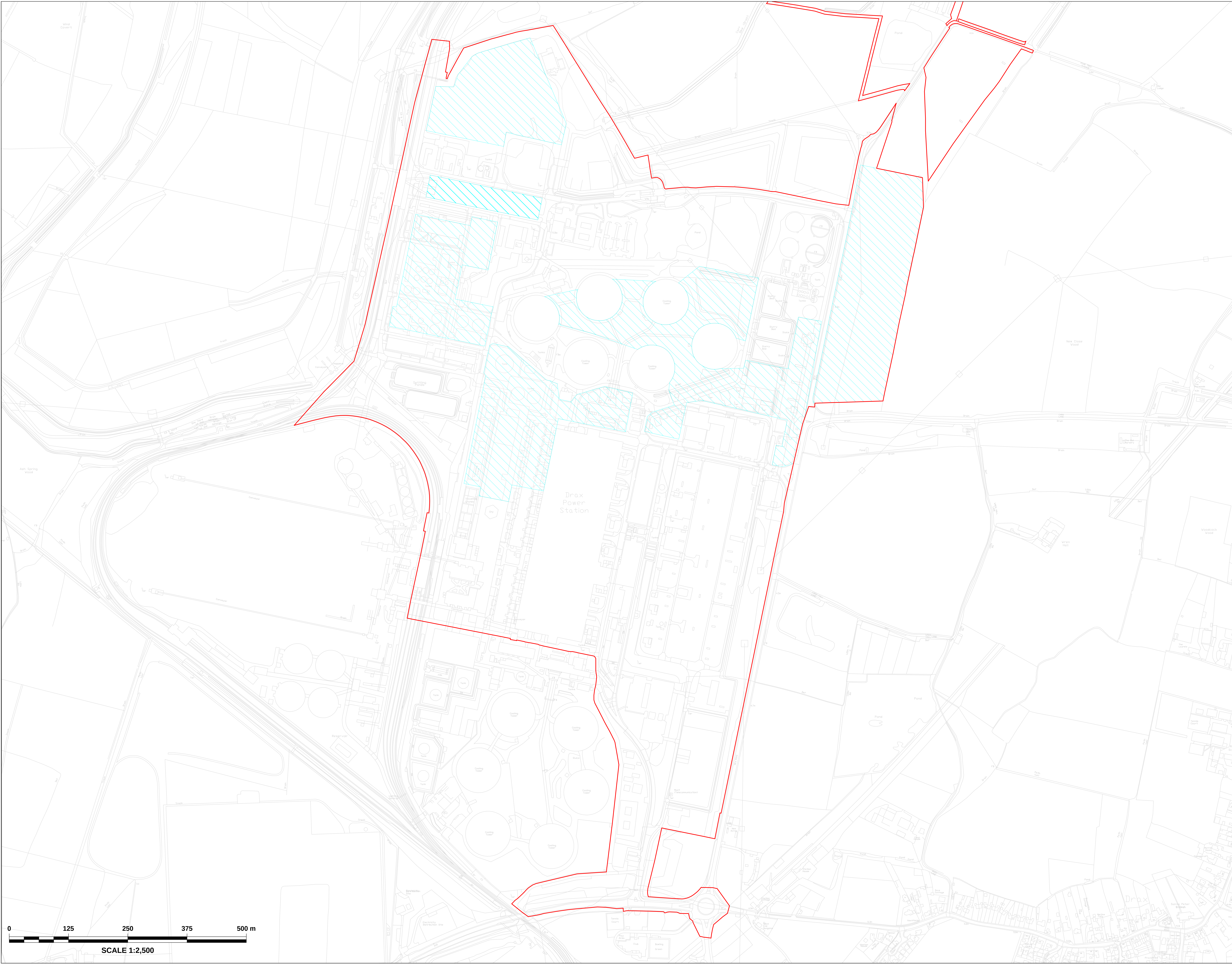


PROJECT TITLE
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WORKS PLANS
SHEET 14 OF 16: WORK NO. 4 - WORKS TO FACILITATE CONSTRUCTION ACCESS

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Key:

Order Limits

Work No. 5 - Temporary Construction Laydown

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WORKS PLANS

SHEET 15 OF 16: WORK NO. 5 - TEMPORARY
CONSTRUCTION LAYDOWN

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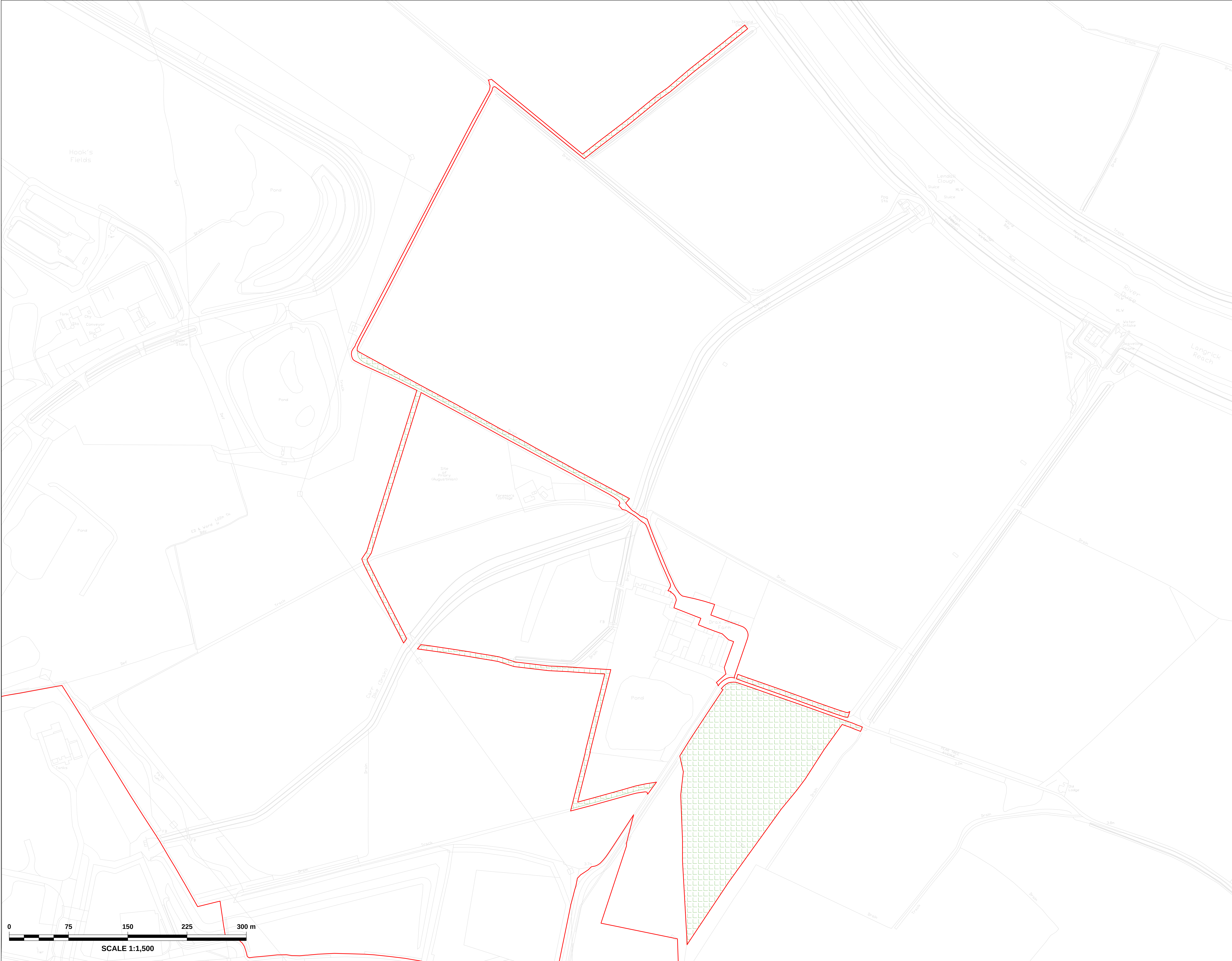
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Key:

Order Limits

Work No. 6 - Habitat Provision Area

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WORKS PLANS

SHEET 16 OF 16: WORK NO. 6 - HABITAT PROVISION AREA

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