

**THE NATIONAL GRID ELECTRICITY TRANSMISSION PLC (GRAIN TO TILBURY)  
COMPULSORY PURCHASE ORDER 2024**

**CORE DOCUMENTS LIST**

<b>A</b>	<b>GOVERNMENT AND OTHER CENTRAL GUIDANCE</b>	<b>Page(s)</b>
1.	Ministry of Housing, Communities and Local Government Guidance on the Compulsory Purchase Process January 2025	4 - 194
2.	The National Planning Policy Framework, December 2024	195 - 276
3.	Clean Power 2030 Action Plan: A new era of clean electricity, December 2024	277 - 414
4.	The Overarching National Policy Statement for Energy (EN-1), November 2023	415 - 590
5.	The National Policy Statement for Electricity Networks Infrastructure (EN-5), November 2023	591 - 637
6.	Department for Energy Security and Net Zero, Accelerating electricity transmission network deployment: Electricity Networks Commissioner's recommendations June 2023	638 - 708
7.	Consultation   Planning for New Energy Infrastructure Revised draft National Policy Statements for energy infrastructure, April 2025	709 - 727
8.	Department for Energy Security & Net Zero Overarching National Policy Statement for Energy (EN-1) – updated consultation draft dated April 2025	728 - 931
9.	Department for Energy Security & Net Zero National Policy Statement for Electricity Networks Infrastructure (EN-5)– updated consultation draft dated April 2025	932 - 979
10.	'Powering Up Britain' Energy Security Plan, March 2023	980 - 1063
11.	'Powering Up Britain' The Net Zero Growth Plan, March 2023	1064 - 1093
12.	Mission Zero Independent Review of Net Zero, January 2023	1094 - 1433
13.	British Energy Security Strategy, April 2022	1434 - 1473
14.	The Net Zero Strategy: Build Back Greener, 2021	1474 - 1841
15.	The Energy White Paper: Powering our Net Zero Future, December 2020	1842 - 2011

<b>B</b>	<b>PLANNING PERMISSION AND RELATED PLANNING APPLICATION DOCUMENTS</b>	<b>Page(s)</b>
1.	Planning Permission ref: 23/010052/FUL dated 25 January 2025	2015 - 2028
2.	Delegated Planning Report ref: 23/010052/FUL dated 24 January 2025	2029 - 2089
3.	Planning Permission ref: 20231313 dated 4 March 2025	2090 - 2103
4.	Delegated Planning Report ref: 20231313 dated 3 March 2025	2104 - 2173
5.	Statement of Community Involvement accompanying planning applications references 20231313 and 23/01502/FUL, December 2023	2174 - 2225
6.	Non-Technical Summary of the Environmental Statement accompanying the planning applications ref: 20231313 and 23/010052/FUL (Further extracts TBC)	2226 - 2275
7.	Environmental Statement Volume II, Chapter 2 - Alternatives accompanying planning application ref: 2021313	2276 - 2315
8.	Environmental Statement Volume II, Chapter 2 - Alternatives accompanying planning application ref: 23/010052/FUL	2316 - 2355
9.	Environmental Statement Volume II, Chapter 5 - Consultation accompanying planning application ref: 2021313	2356 - 2372
10.	Environmental Statement Volume II, Chapter 5 - Consultation accompanying planning application ref: 23/010052/FUL	2373 - 2389
11.	National Grid Cable Tunnel Replacement Project Environmental Statement Volume V Chapter 24 Summary	2390 - 2406
12.	Design and Access Statement accompanying planning application ref: 20231313	2407 - 2423
13.	Design and Access Statement accompanying planning application ref: 23/01502/FUL	2424 - 2441
14.	Planning Statement accompanying the planning application ref: 20231313	2442 - 2479
15.	Planning Statement accompanying planning application ref: 23/001502/FUL	2480 - 2520
16.	Environmental Impact Assessment Screening Opinion (ref: 20230668) provided by Gravesham Borough Council dated 3 August 2023	2521 - 2549

17.	Environmental Impact Assessment Screening Opinion (ref: 23/00681/SCR) dated 7 July 2023	2550 - 2557
18.	Marine Management Organisation request for NGET to withdraw its EIA screening dated 17 <sup>th</sup> November 2023	2558 - 2559

<b>C</b>	<b>COMPULSORY PURCHASE ORDER AND RELATED DOCUMENTS</b>	<b>Page(s)</b>
1.	Order and Schedule	2563 - 2820
2.	Sealed CPO Plans	2821 - 2830
3.	Statement of Reasons	2831 - 2878
4.	Statement of Case	2879 - 2929
5.	Letter from Eversheds Sutherland to Department for Energy Security and Net Zero dated 4 <sup>th</sup> March 2025 regarding minor modifications to PoTLL Land	2930 - 2931

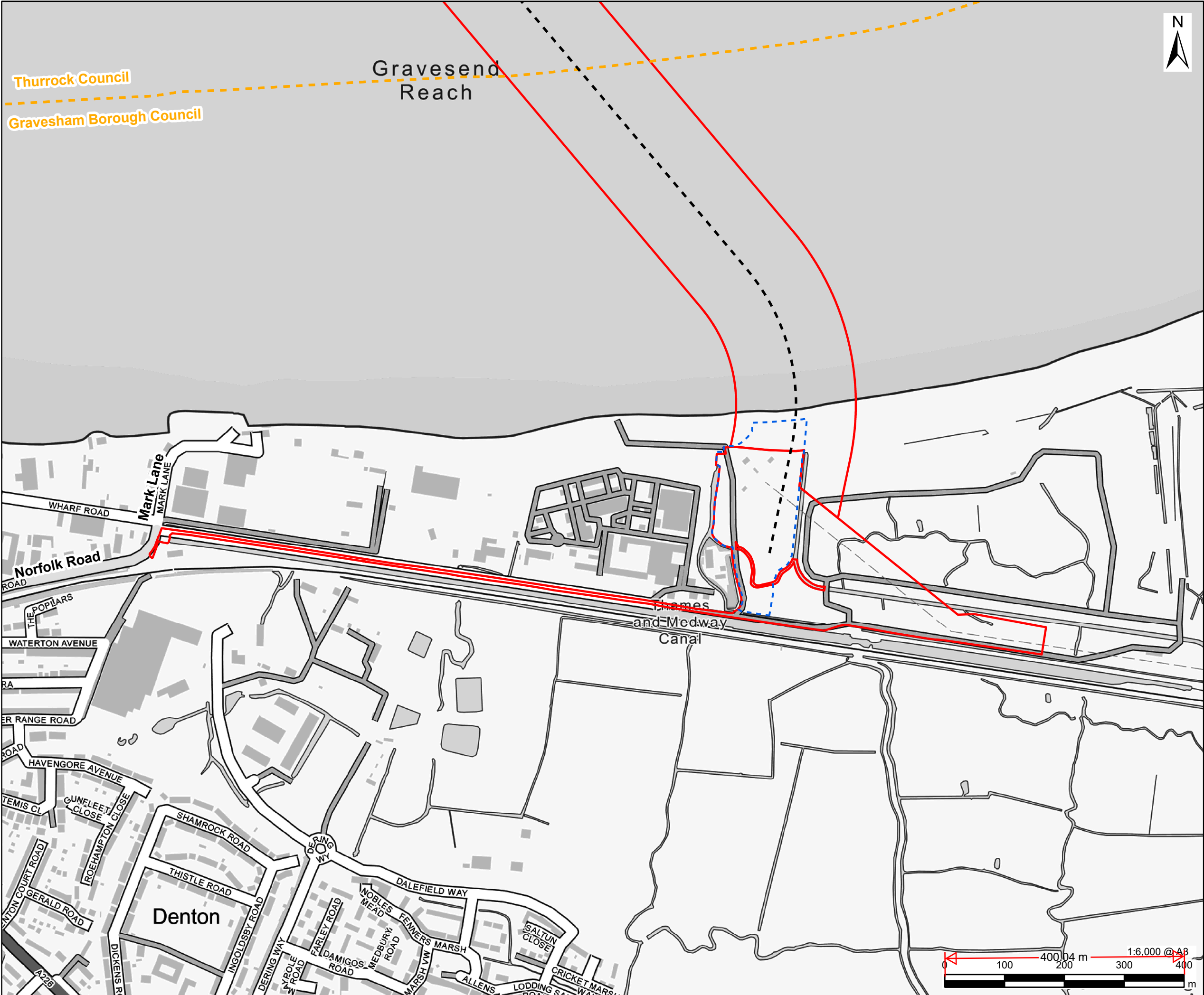
<b>D</b>	<b>OBJECTIONS</b>	<b>Page(s)</b>
1.	Schedule of Objectors	2935
2.	Objection of Network Rail dated 29 November 2024	2936
3.	Objection of Denton Wharf Properties Limited dated 16 December 2024	2937
4.	Objection of Southern Gas Networks Plc dated 18 December 2024	2938 - 2939
5.	Objection of Port of Tilbury dated 20 December 2024	2940 - 2942
6.	Network Rail representation to Department of Transport dated 29 <sup>th</sup> November 2024 Section 16 and Schedule 3, Part 11 of the Acquisition of Land Act 1981	2943
7.	Objection withdrawal letters	2944 - 2948

<b>E</b>	<b>BOOK OF PLANS</b>	<b>Page(s)</b>
1.	Red Line Boundary Plan to support planning application ref:20230668	2952 - 2958
2.	Red Line Boundary Plan to support planning application ref: 23/01502/FUL	2959 - 2965
3.	Tilbury Headhouse Site Plan	2966
4.	Tilbury Site access layout and parking Plan	2967
5.	Tilbury Headhouse proposed ground floor Plan	2968
6.	Tilbury Headhouse Sections Plan	2969
7.	Tilbury Headhouse Elevations Plan	2970
8.	Tilbury Construction Layout Plan	2971
9.	Gravesend Headhouse Proposed Sections Plan	2972
10.	Gravesend Headhouse Compound Block plan	2973
11.	Gravesend Headhouse proposed ground floor	2974
12.	Gravesend Headhouse Planning Site Plan	2975
13.	Gravesend Headhouse proposed elevations	2976
14.	Gravesend Construction Layout Plan	2977
15.	CDM Plans (Sheets 1 – 3 )	2978 - 2980

<b>F</b>	<b>MISCELLANEOUS</b>	<b>Page(s)</b>
1.	Ofgem, TKRE - Decision on Early Construction Funding and Modification to special conditions of the electricity transmission licence, 21 <sup>st</sup> October 2024	2984 - 3013
2.	Ofgem Decision on accelerating onshore electricity transmission investment, 15 December 2022	3014 - 3098
3.	National Grid Technical Guidance Note 287 - Third-party guidance for working near National Grid Electricity Transmission Equipment	3099 - 3110
4.	National Grid Code of Practice - Construction Best Practice for Overhead Line Installation December 2021	3111 - 3118
5.	National Grid Land Rights Strategy and Payment Schedule for Assets, Version 1	3119 - 3122
6.	Port of Tilbury (Expansion) Order 2019 and General Vesting Declaration dated 20 <sup>th</sup> December 2023	3123 - 3289
7.	Glossary	3290 - 3292







**PROJECT**  
TKRE Cable Tunnel Replacement Project

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www.aecom.com

**LEGEND**

- Planning Application – Red Line Boundary
- National Grid Land Ownership
- Indicative Tunnel Alignment

**NOTES**

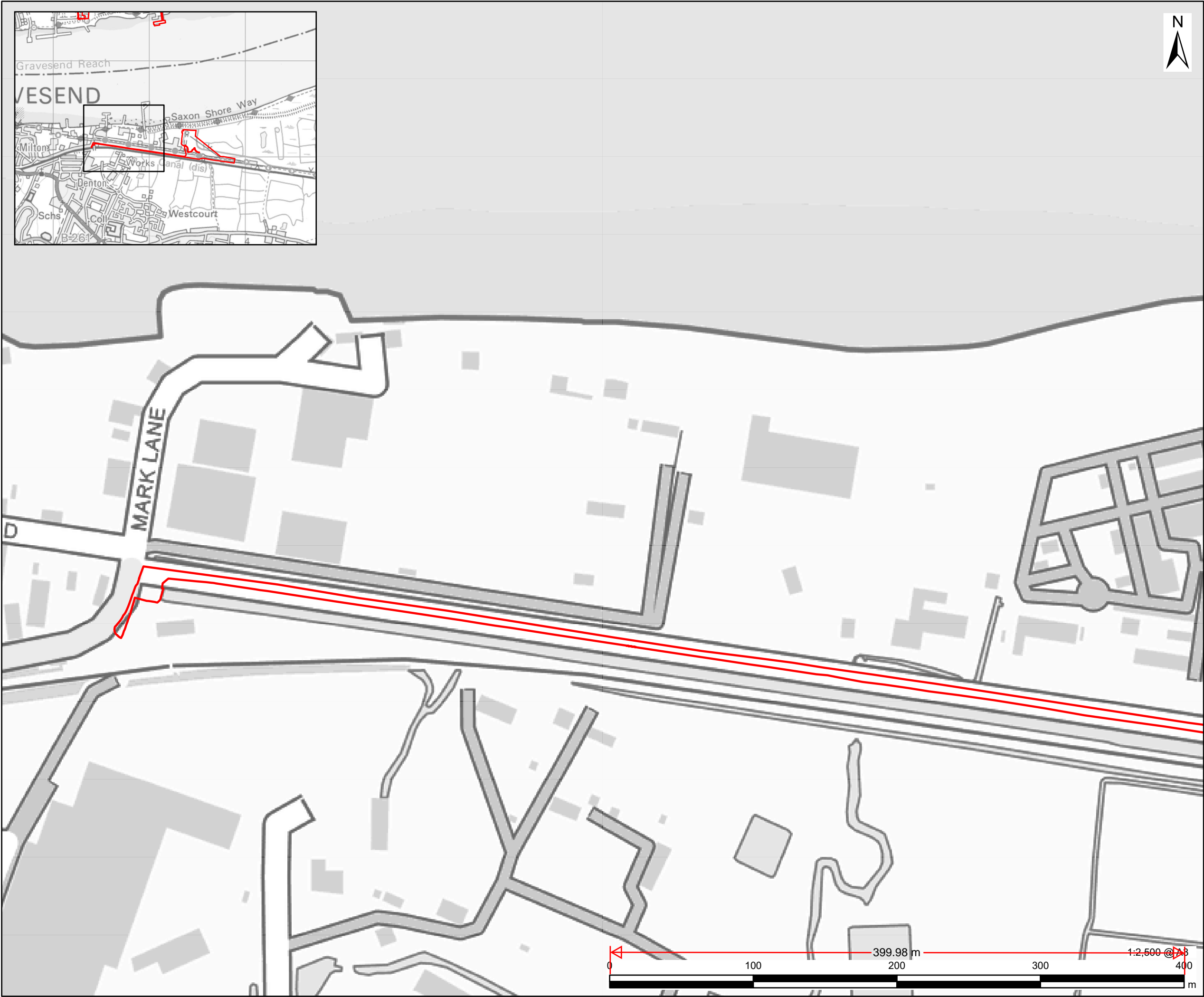
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**ISSUE PURPOSE**  
Planning Application – Gravesend

**PROJECT NUMBER**  
60677311

**FIGURE TITLE**  
Site Location Plan – Gravesend

**FIGURE REFERENCE**  
TKRE/60677311/Gravesend/Site Location Plan



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**LEGEND**

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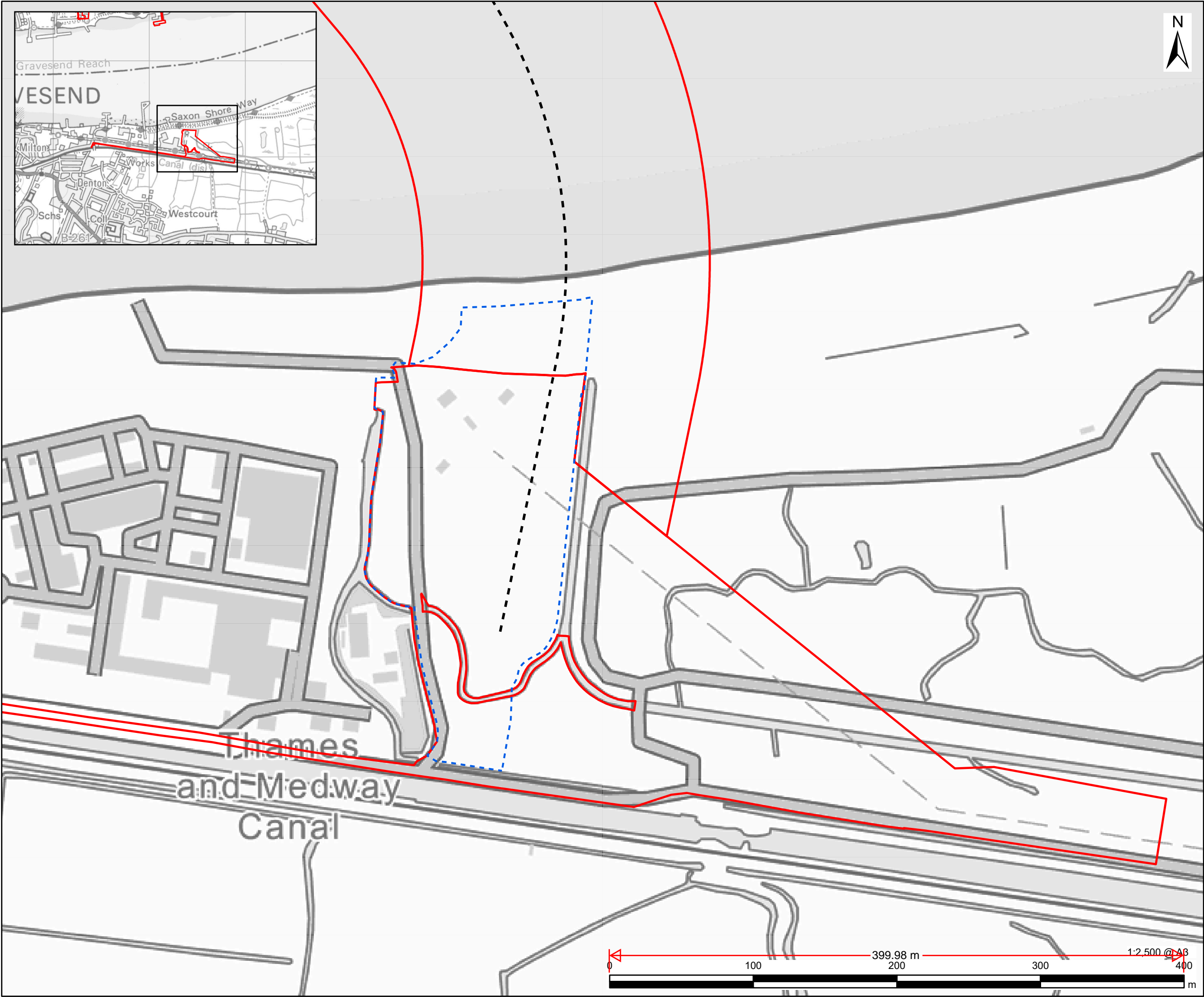
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**FIGURE TITLE**

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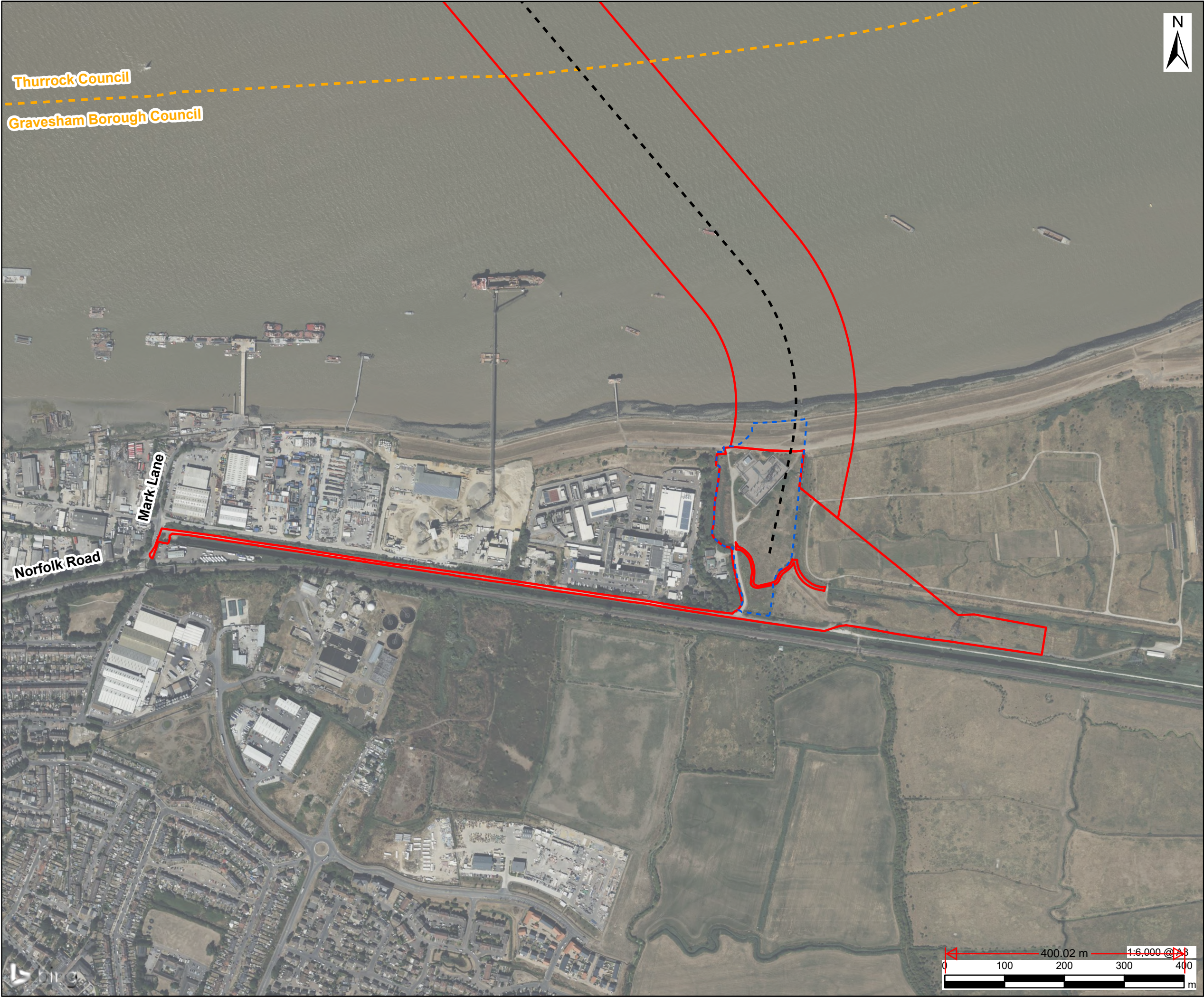
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Scale: 1:12,000 @ A3

See previous page with aerial map for extent of land ownership (blue line) and note that the blue line overlaps with the red line.





Scale: 1:5,000 @ A3. Sheet 1 of 2.

See previous page with aerial map for extent of land ownership (blue line) and note that the blue line overlaps with the red line.

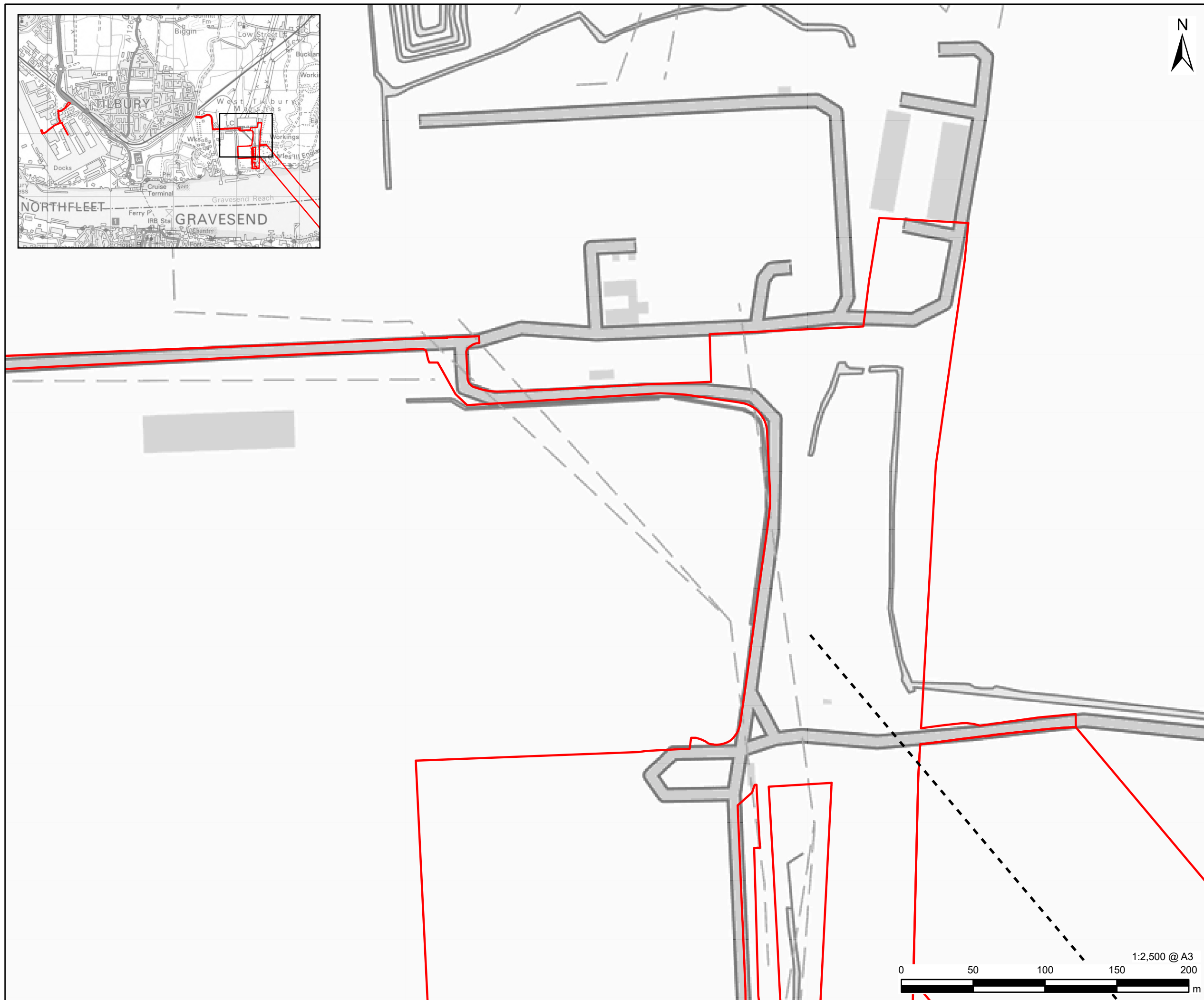




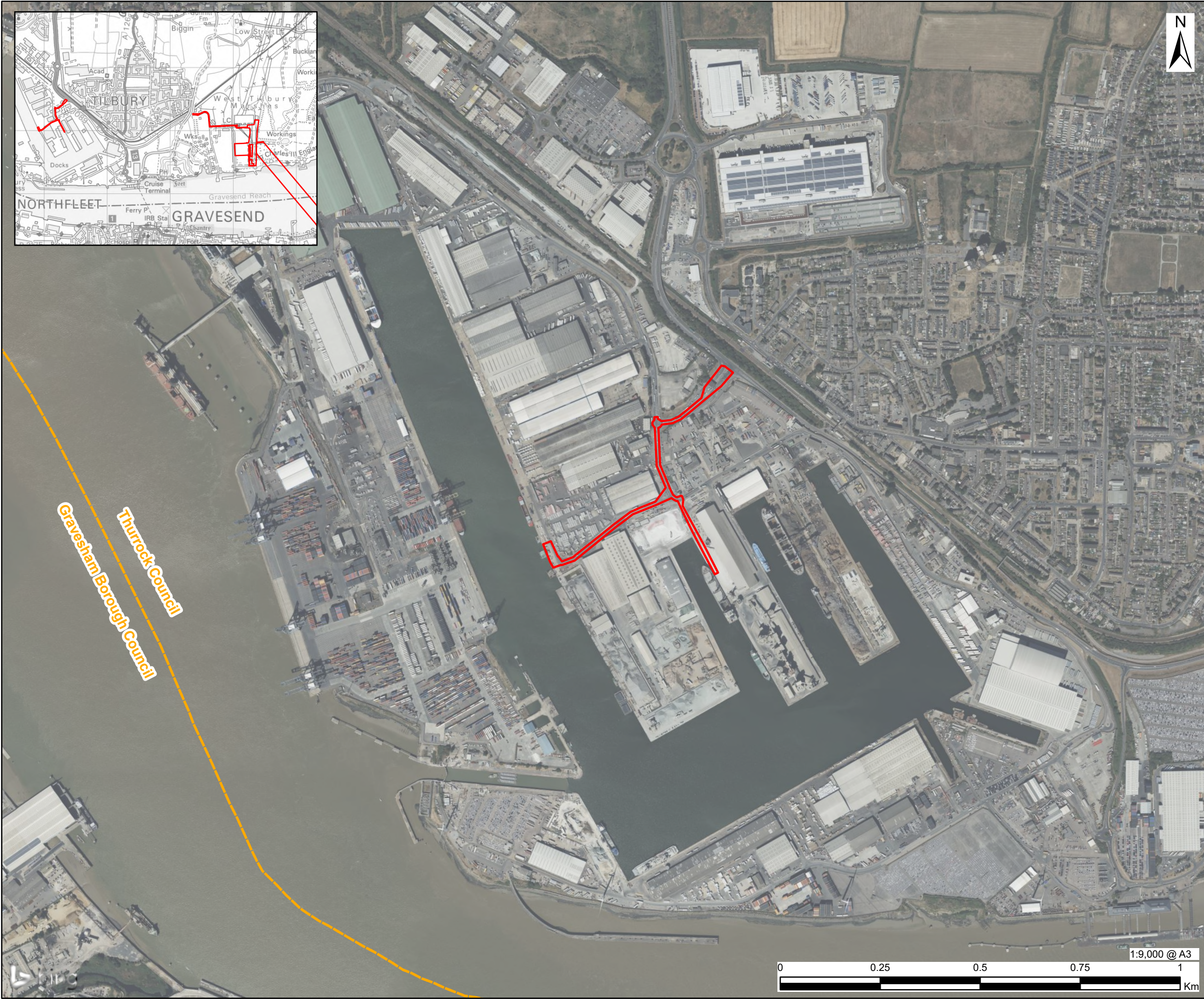
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See previous page with aerial map for extent of land ownership (blue line) and note that the blue line overlaps with the red line.



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-  Planning Application – Red Line Boundary
-  Local Authority Boundary

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Planning Application – Tilbury

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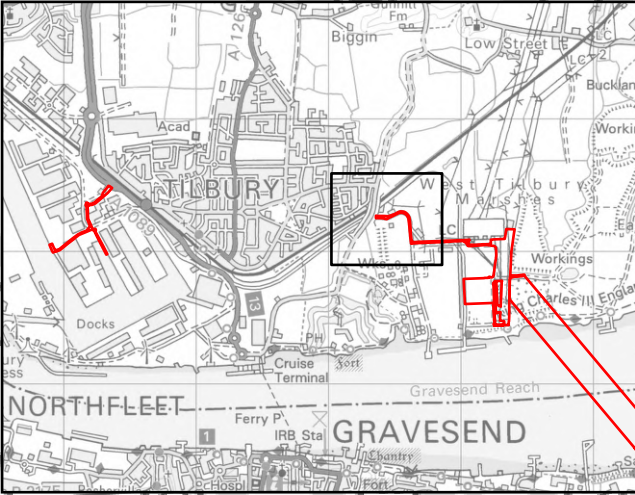
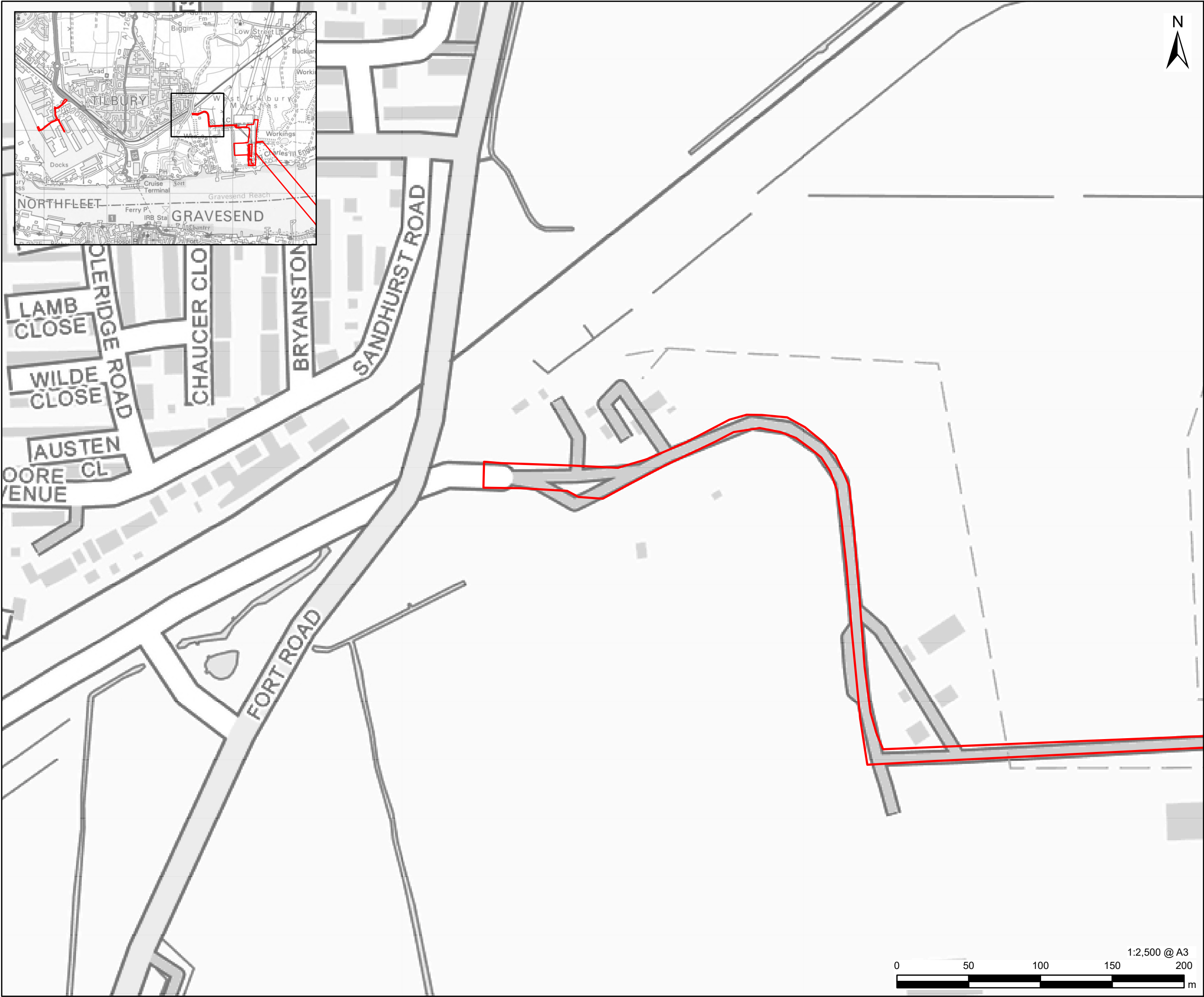
FIGURE TITLE

Site Location Plan – Tilbury (Revision 1)

FIGURE REFERENCE

TKRE/60677311/Tilbury/Site Location Plan





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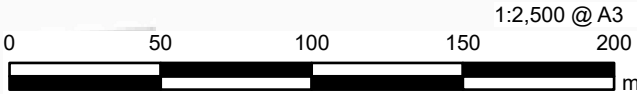
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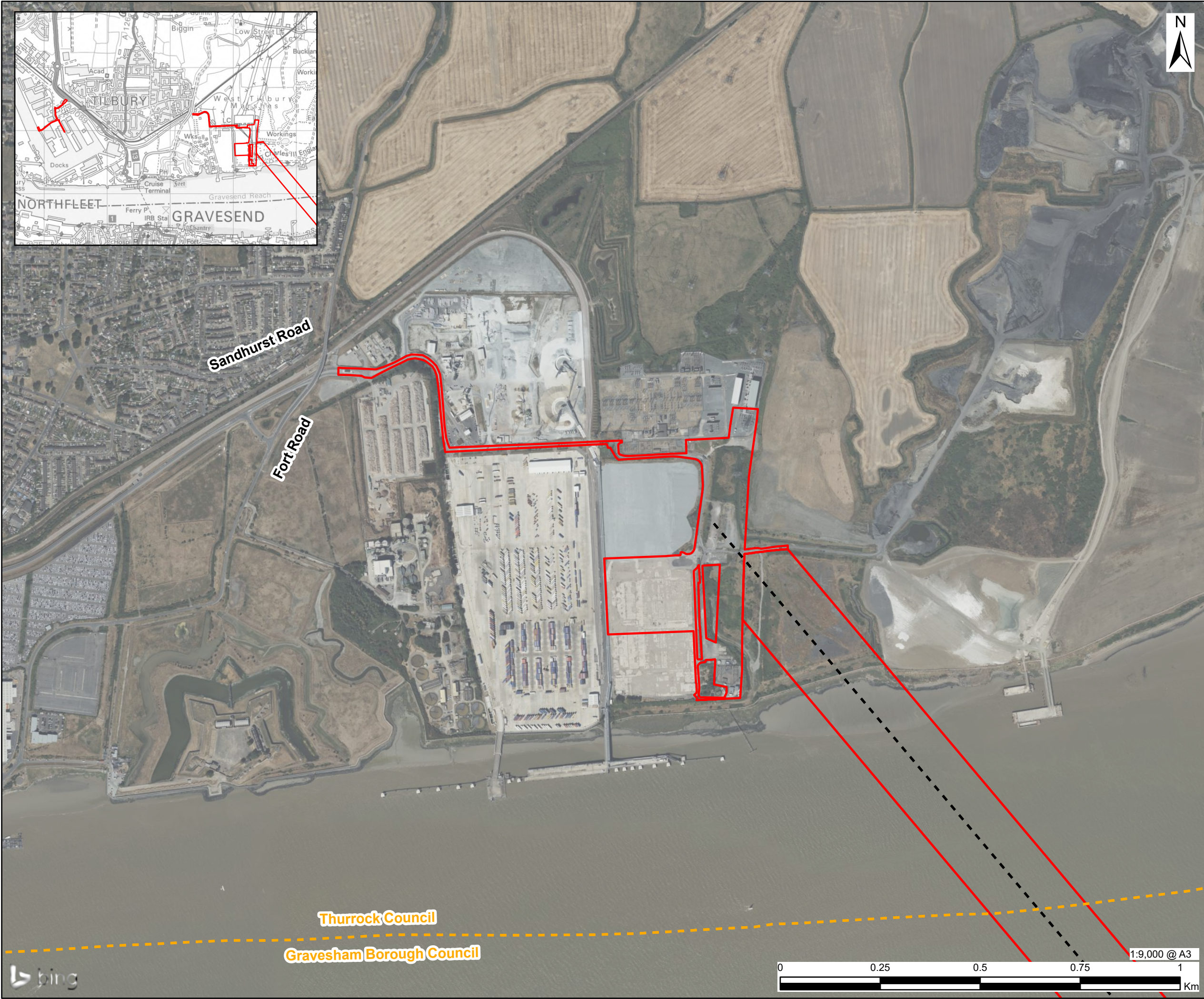
Site Location Plan – Tilbury (Revision 1)

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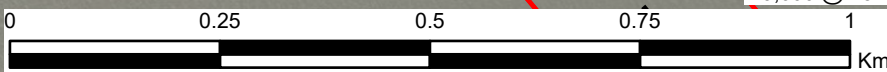
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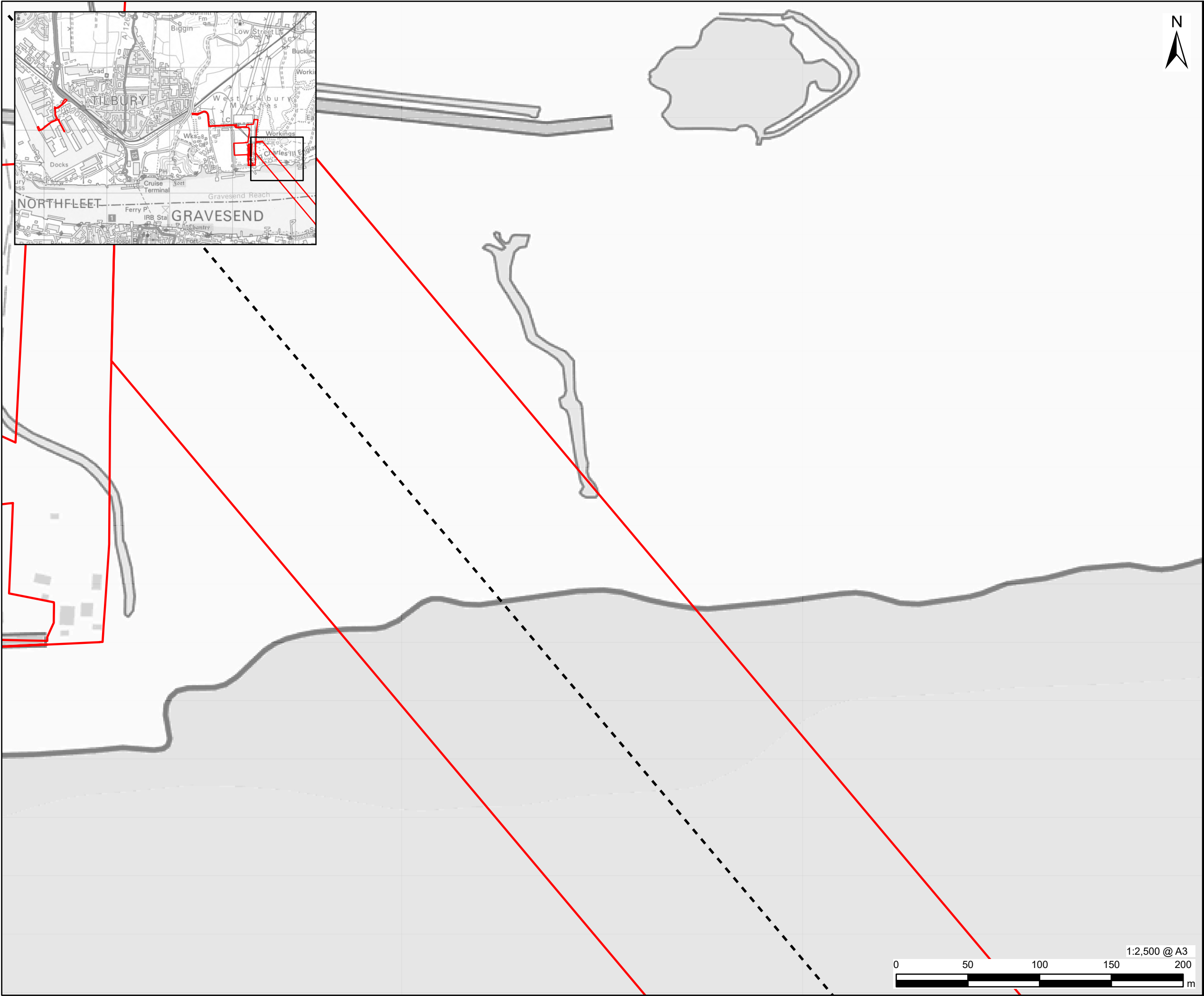
Thurrock Council

Gravesham Borough Council



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Planning Application – Tilbury

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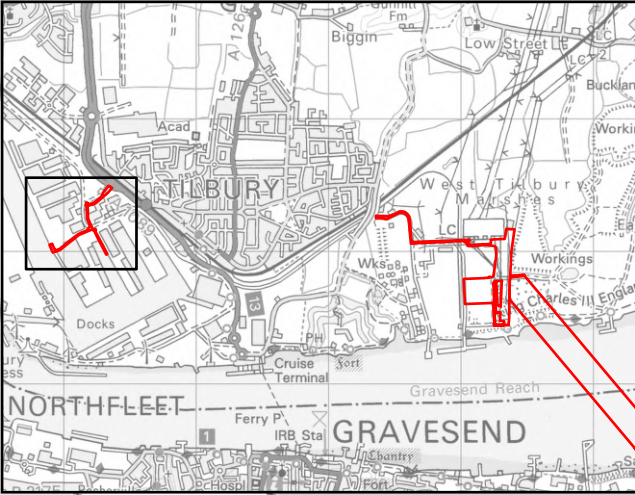
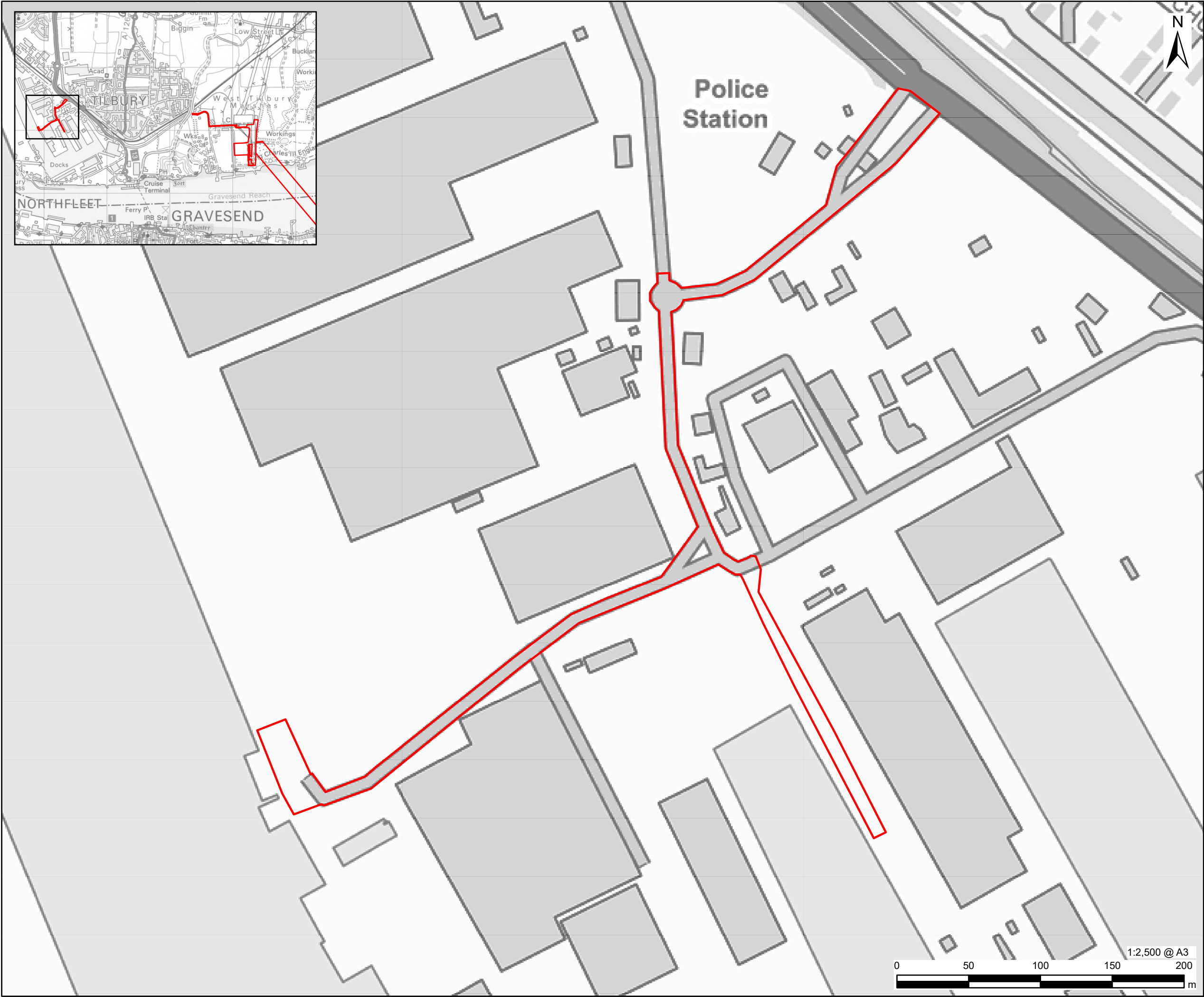
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Site Location Plan – Tilbury (Revision 1)

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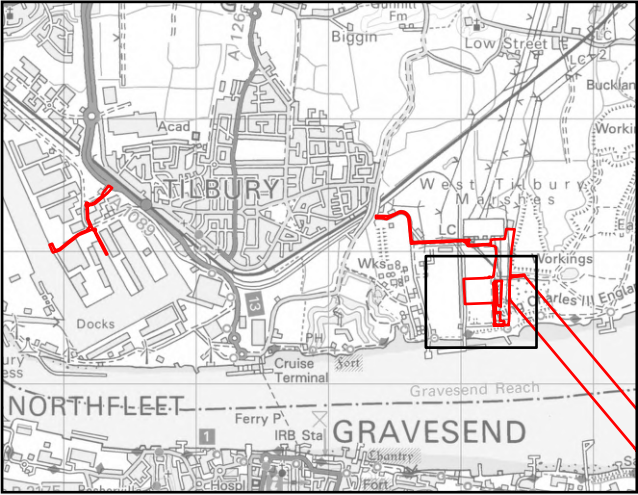
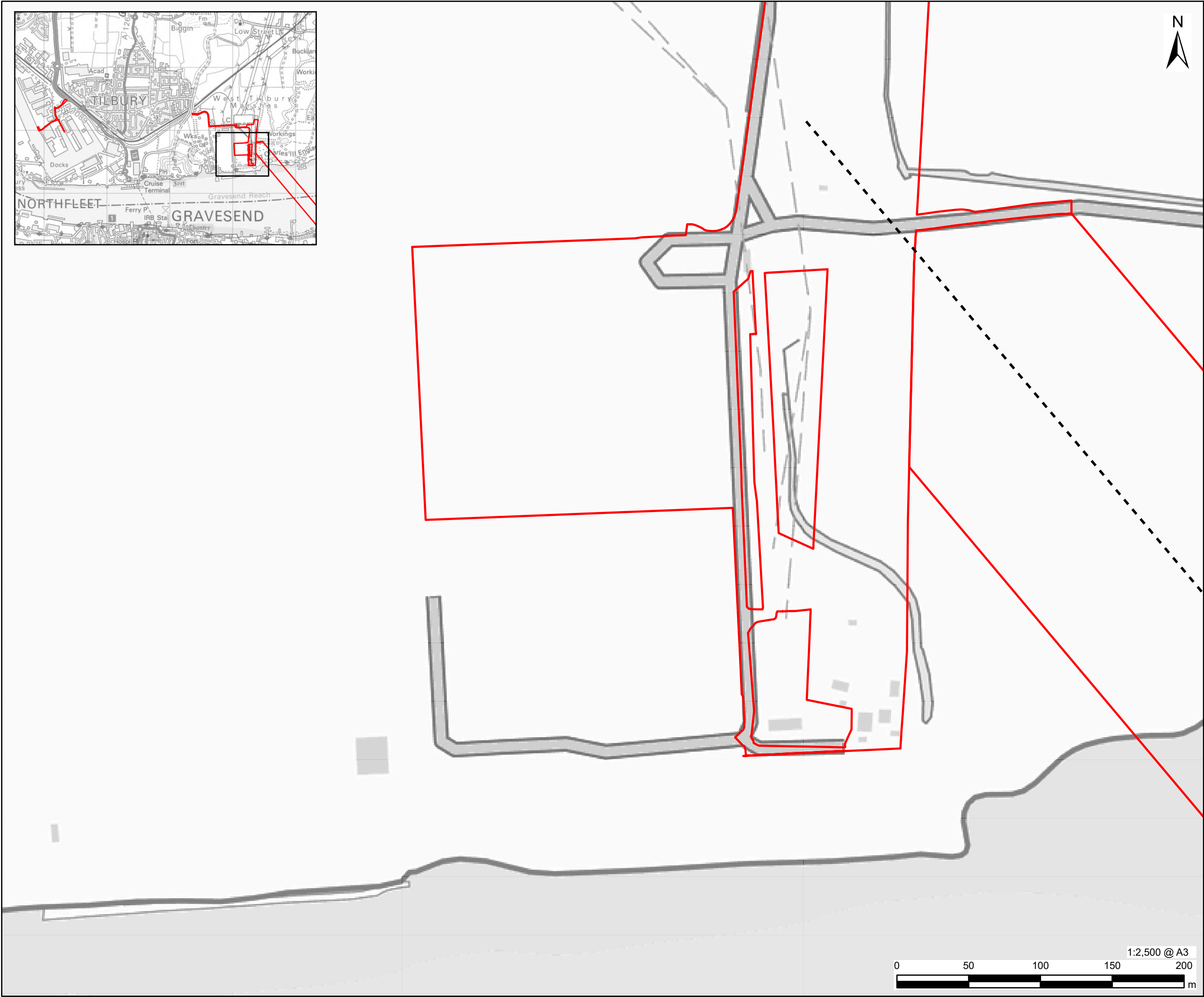
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Site Location Plan – Tilbury (Revision 1)

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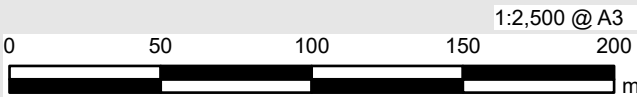
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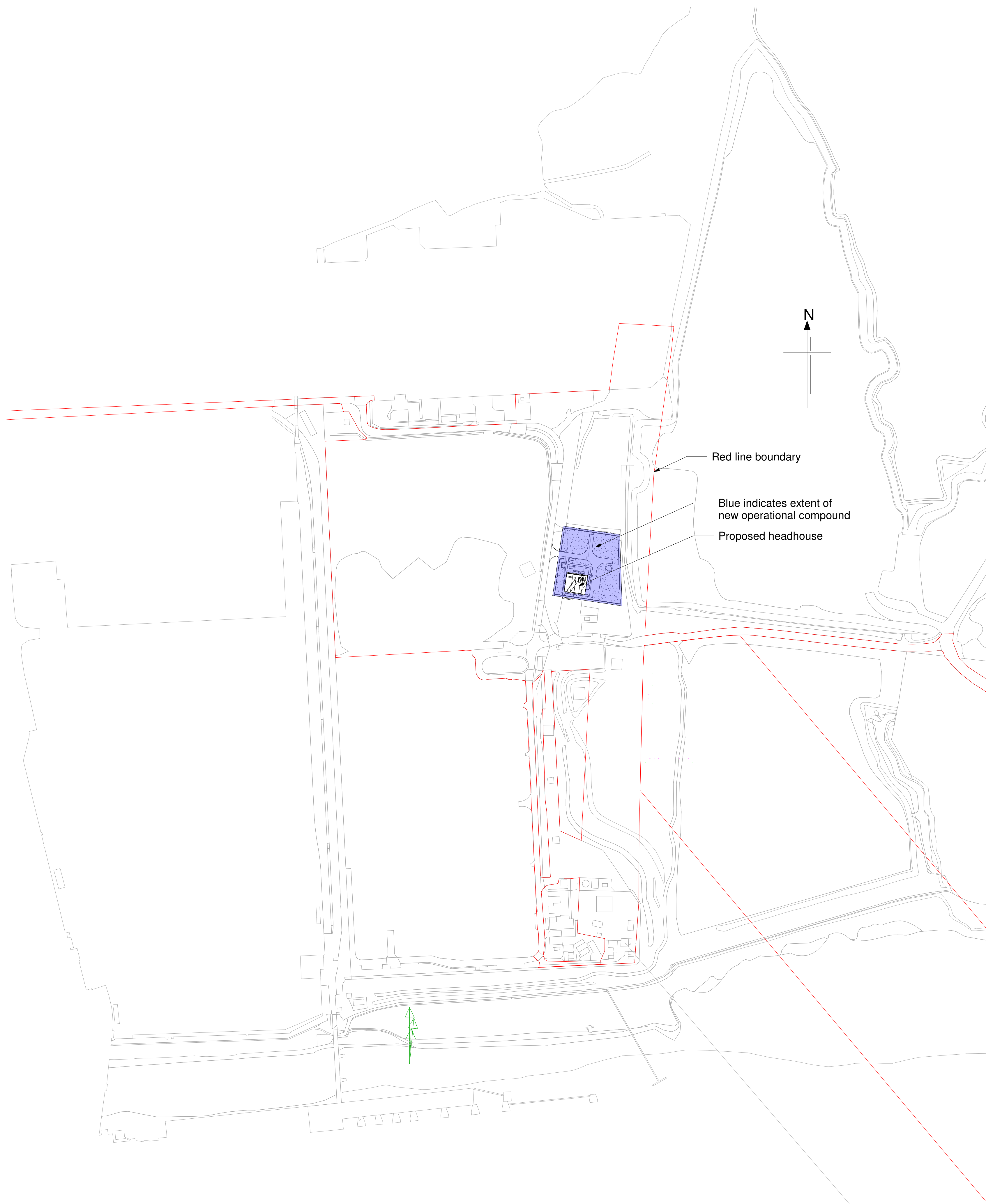
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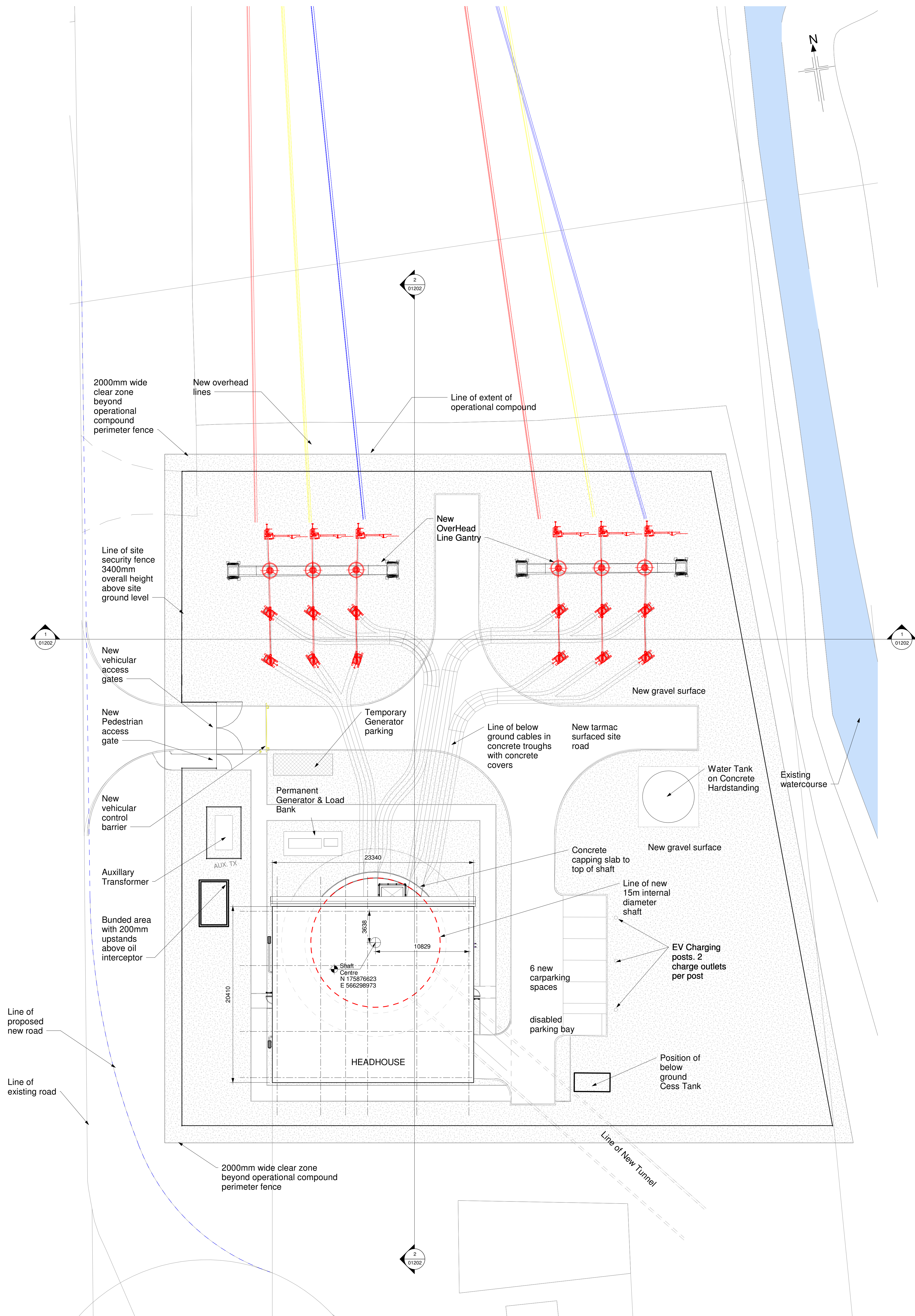
TKRE/60677311/Tilbury/Site Location Plan







Key Plan - Extent of Compound  
Scale: 1 : 2500



Proposed Site Plan  
Scale: 1 : 200

NOTES

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED
2. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (mAOD)
3. FOR GRAVESEND SHAFT SEE PDD-100116-LAY-122
4. SHAFT CENTRE POINT AT, East = 566298.973, North = 175876.623
5. ROAD AND FOOTPATH ALIGNMENTS SHOWN ARE INDICATIVE ONLY
6. SVP - SOIL & VENT PIPE  
RWP - RAINWATER PIPE  
UPS - UNINTERRUPTED POWER SUPPLY

REFERENCE DRAWINGS

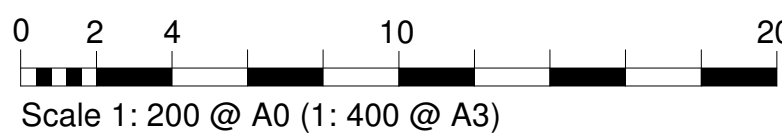
PDD-100116-LAY-109 - CSE Layout with cable termination arrangement (Tilbury Side)

PDD-100116-LAY-122 - TILBURY SHAFT GENERAL ARRANGEMENT

PDD-100116-LAY-036 - TILBURY COMPOUND LEVELS

LEGEND

RED LINE BOUNDARY



PD3	Red Line Boundary Added	RL	RW	NS	18/01/24
PD2	Updated to include water tank	RW	JK	NS	16/10/23
PD1	Initial Issue	RD	RW	JK	20/09/23
Rev	Description	Chk'd	Chk'd	App'd	Iss'd

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Master Scheme No: 100116 Sub-Scheme No: - Site: NEW TILBURY CSEC

Scheme Name: TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY 400kV UPRATING

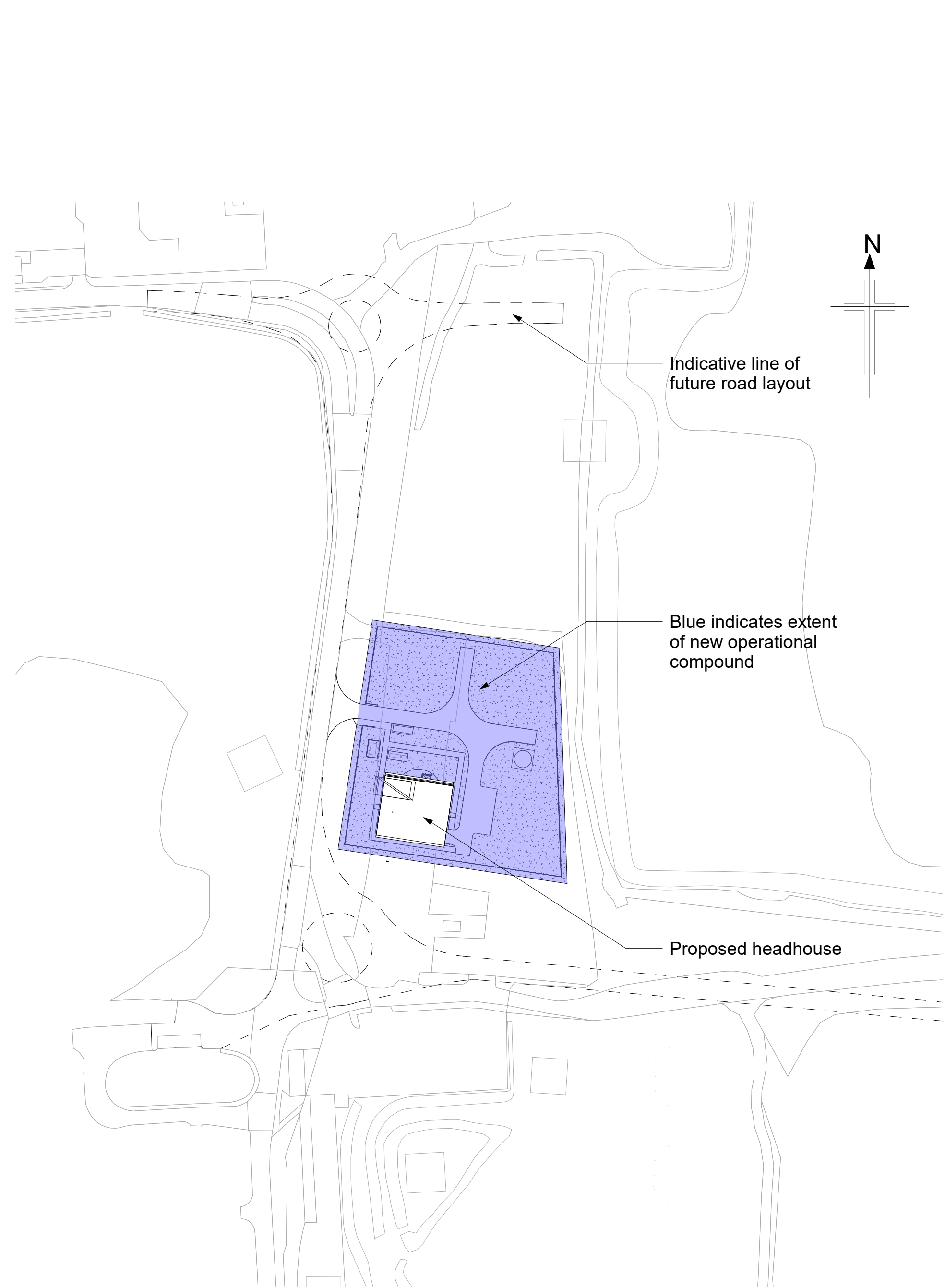
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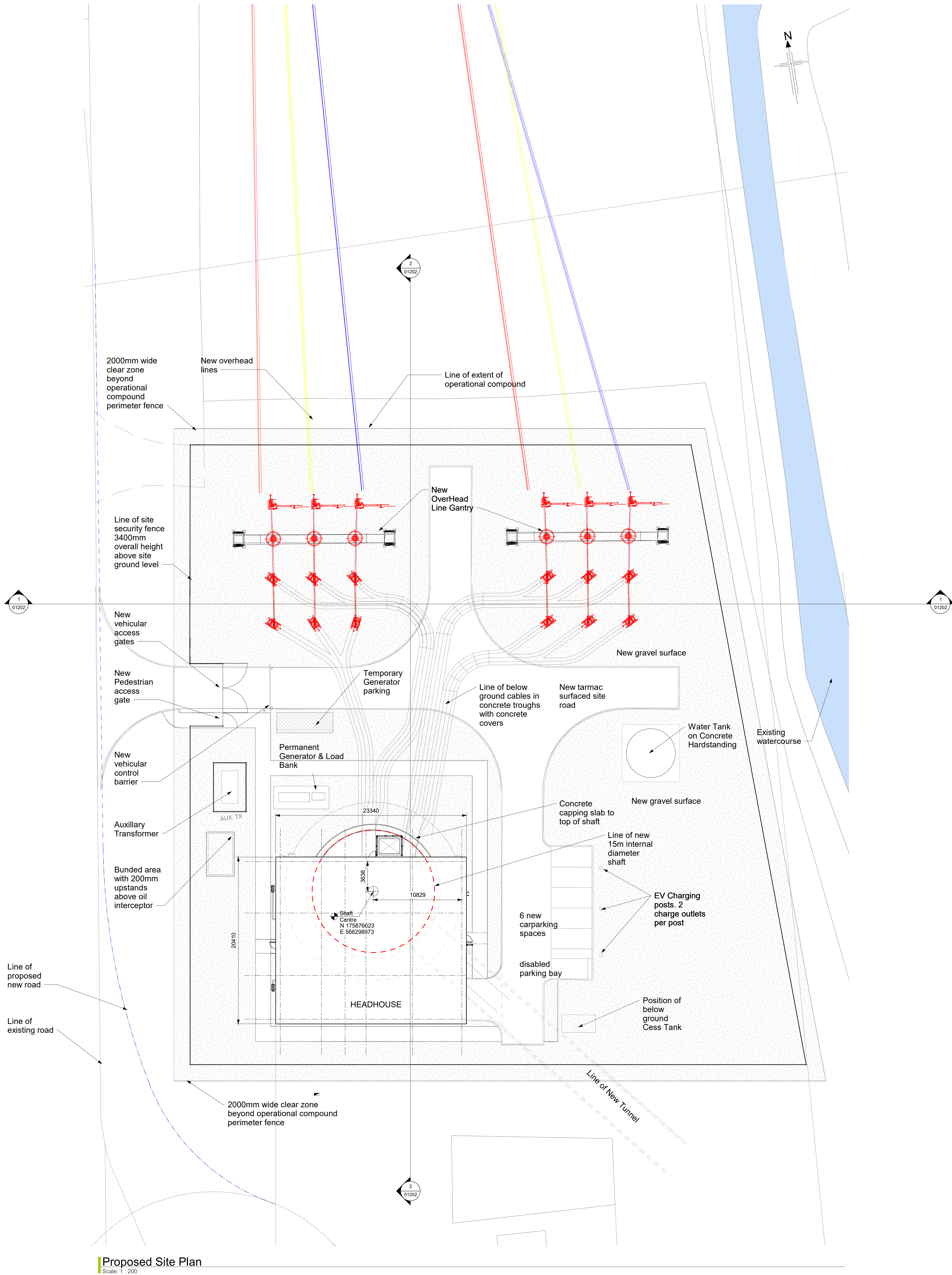
National Grid Document Number: PDD-100116-LAY-046

FEED Document Number: 30003364-BHK-XX-XX-DR-A-01200





Key Plan - Extent of Compound  
Scale: 1 : 1250



Proposed Site Plan  
Scale: 1 : 200

NOTES

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED
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REFERENCE DRAWINGS

PDD-100116-LAY-109 - CSE Layout with cable termination arrangement (Tilbury Side)

PDD-100116-LAY-122 - TILBURY SHAFT GENERAL ARRANGEMENT

PDD-100116-LAY-036 - TILBURY COMPOUND LEVELS

0 2 4 10 20  
Scale 1: 200 @ A0 (1: 400 @ A3)

PD2	Updated to include water tank	RW	JK	NS	16/10/23
PD1	Initial Issue	RD	RW	JK	20/09/23
Rev	Description	Chk'd	Chk'd	App'd	Date

**nationalgrid**

Master Scheme No:	Sub-Scheme No:	Site:
100116	-	NEW TILBURY CSEC

Scheme Name:  
TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY  
400kV UPRATING

Document Title:

Tilbury Headhouse - Planning - Site Plan

Created by:	Date:	Checked by:	Date:	Approved by:	Date:
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Development Eng	Document Type	Scale:	Format:	Sheet(s)	Rev
BT	Drawing	As Indicated	A0	1 of 1	P02

National Grid Document Number:  
PDD-100116-LAY-046

FEED Document Number:  
30003364-BHK-XX-XX-DR-A-01200

THIS IS A TP500 STAGE 4.3  
DRAWING AND IS FOR  
DEVELOPMENT PURPOSES ONLY





- NOTES**
1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED
  2. ALL LEVELS ARE IN METERS ABOVE ORDANANCE DATUM (mAOD)
  3. FOR GRAVESEND SHAFT SEE PDD-100116-LAY-122
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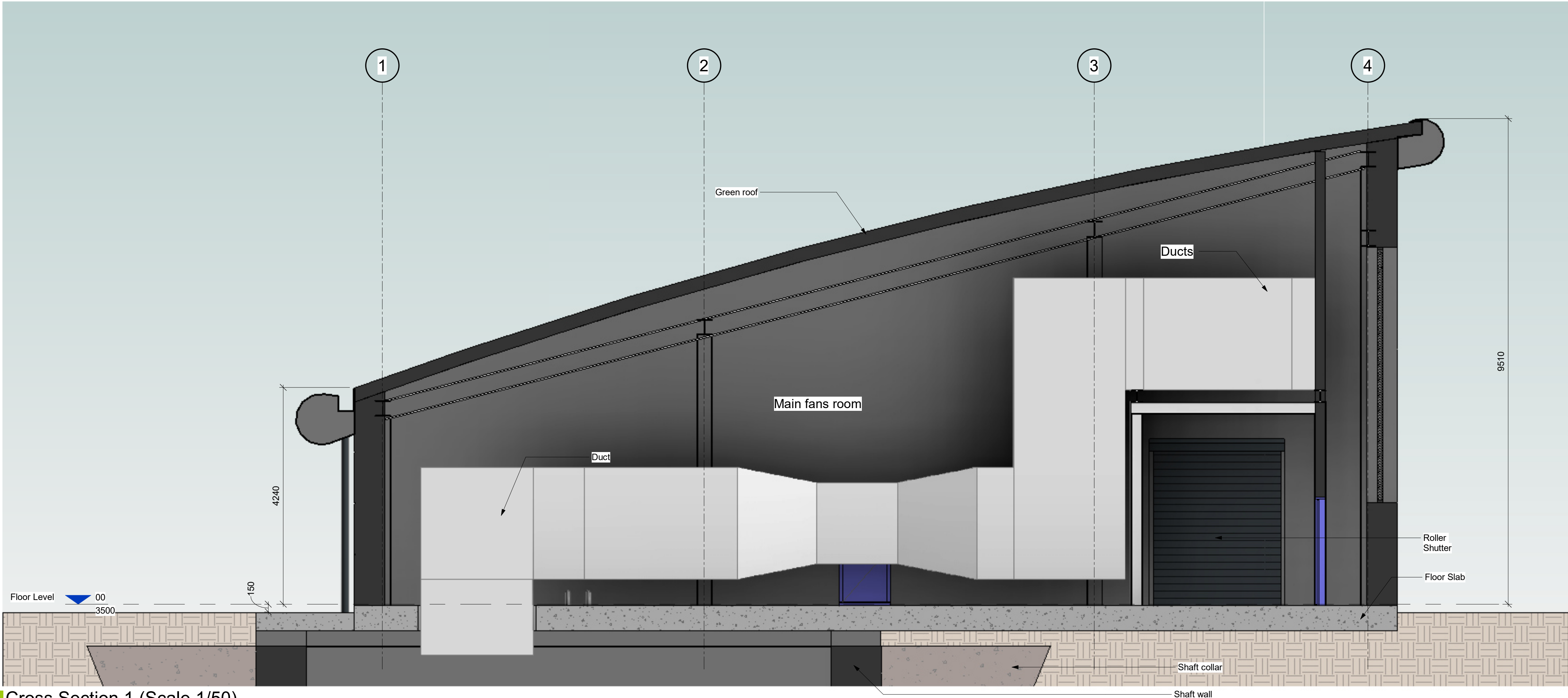
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Scale 1: 50 @ A1 (1: 100 @ A3)

- By Room Name Legend**
- 110V Battery / UPS Room
  - Changing & Shower
  - Control Room
  - Lift motor room
  - LV Switch Room
  - Main Entrance
  - Main Fans Room
  - Plenum
  - Space allocation for lift - if required (through lift)
  - Storage
  - WC

P01	Initial Issue	RO	RW	JK	20/09/23
Rev	Description	Cre'd	Chk'd	App'd	Date
nationalgrid					
Master Scheme No:		Sub-Scheme No:		Site:	
100116		-		NEW TILBURY CSEC	
Scheme Name: TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY 400KV UPRATING					
Document Title:  Tilbury Headhouse - Planning - Proposed Ground Floor Plan					
Created by: RO	Date: 20/09/23	Checked by: RW	Date: 20/09/23	Approved by: JK	Date: 20/09/23
Development Eng: BT	Document Type: Drawing	Scale: 1 : 50	Format: A1	Sheet(s): 1 of 1	Rev: P01
National Grid Document Number: PDD-100116-LAY-047					
FEED Document Number: 30003364-BHK-XX-00-DR-A-01203					





Cross Section 1 (Scale 1/50)

- NOTES**
1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED
  2. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (mAOD)
  3. FOR GRAVESEND SHAFT SEE PDD-100116-LAY-122
  4. SHAFT CENTRE POINT AT, East = 566298.973, North = 175876.623
  5. ROAD AND FOOTPATH ALIGNMENTS SHOWN ARE INDICATIVE ONLY
  6. SVP - SOIL & VENT PIPE  
RWP - RAINWATER PIPE  
UPS - UNINTERRUPTED POWER SUPPLY

**REFERENCE DRAWINGS**

PDD-100116-LAY-109 - CSE Layout with cable termination arrangement (Tilbury Side)

PDD-100116-LAY-122 - TILBURY SHAFT GENERAL ARRANGEMENT

PDD-100116-LAY-036 - TILBURY COMPOUND LEVELS

0 0.5 1 2.5 5  
Scale 1: 50 @ A0 (1: 100 @ A3)



Cross Section 2 (Scale 1/50)

P01	Initial Issue	RO	RW	JK	20/09/23
Rev	Description	Cre'd	Chk'd	App'd	Date

**nationalgrid**

Master Scheme No:	Sub-Scheme No:	Site:
100116	-	NEW TILBURY CSEC

Scheme Name:  
TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY 400kV UPRATING

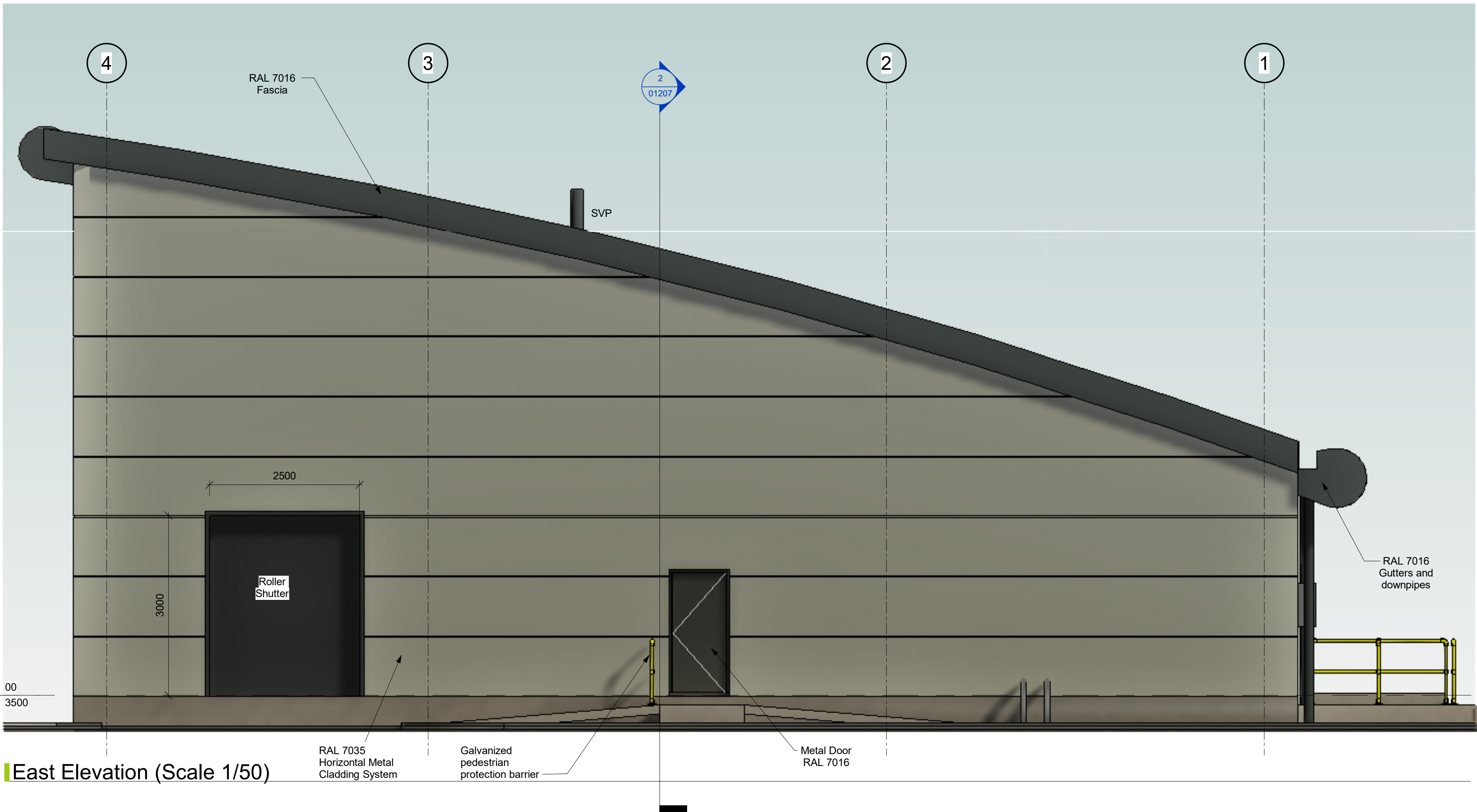
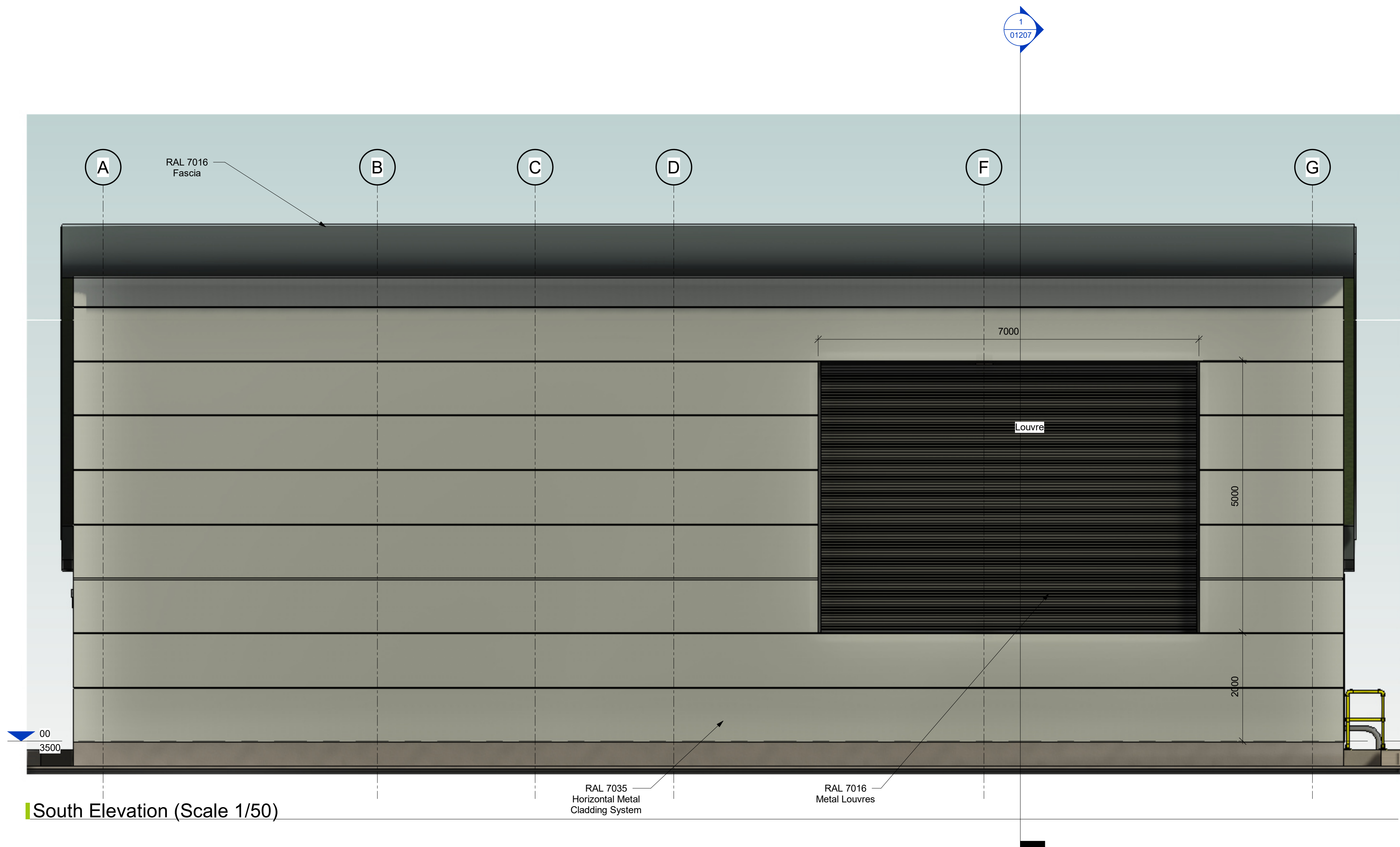
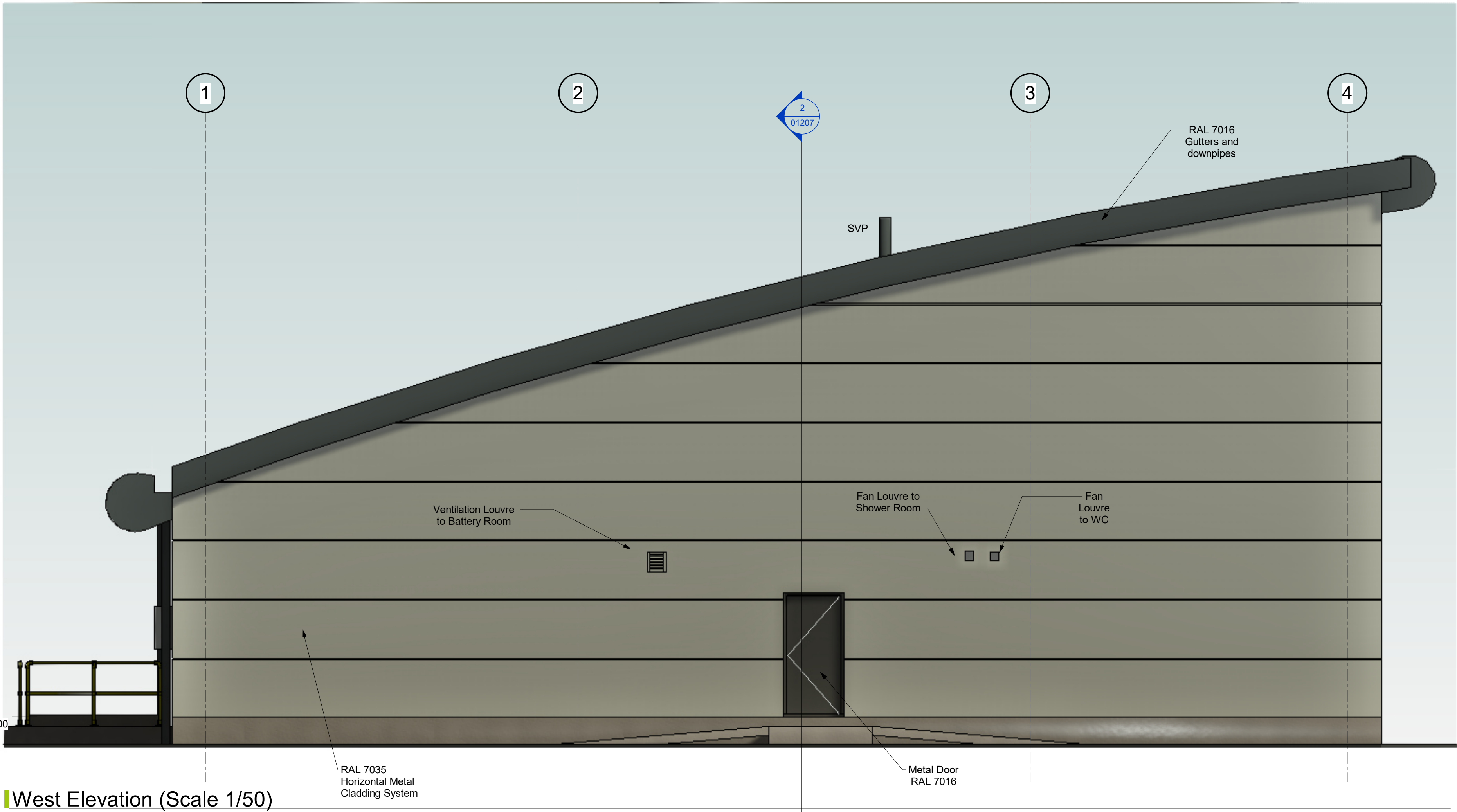
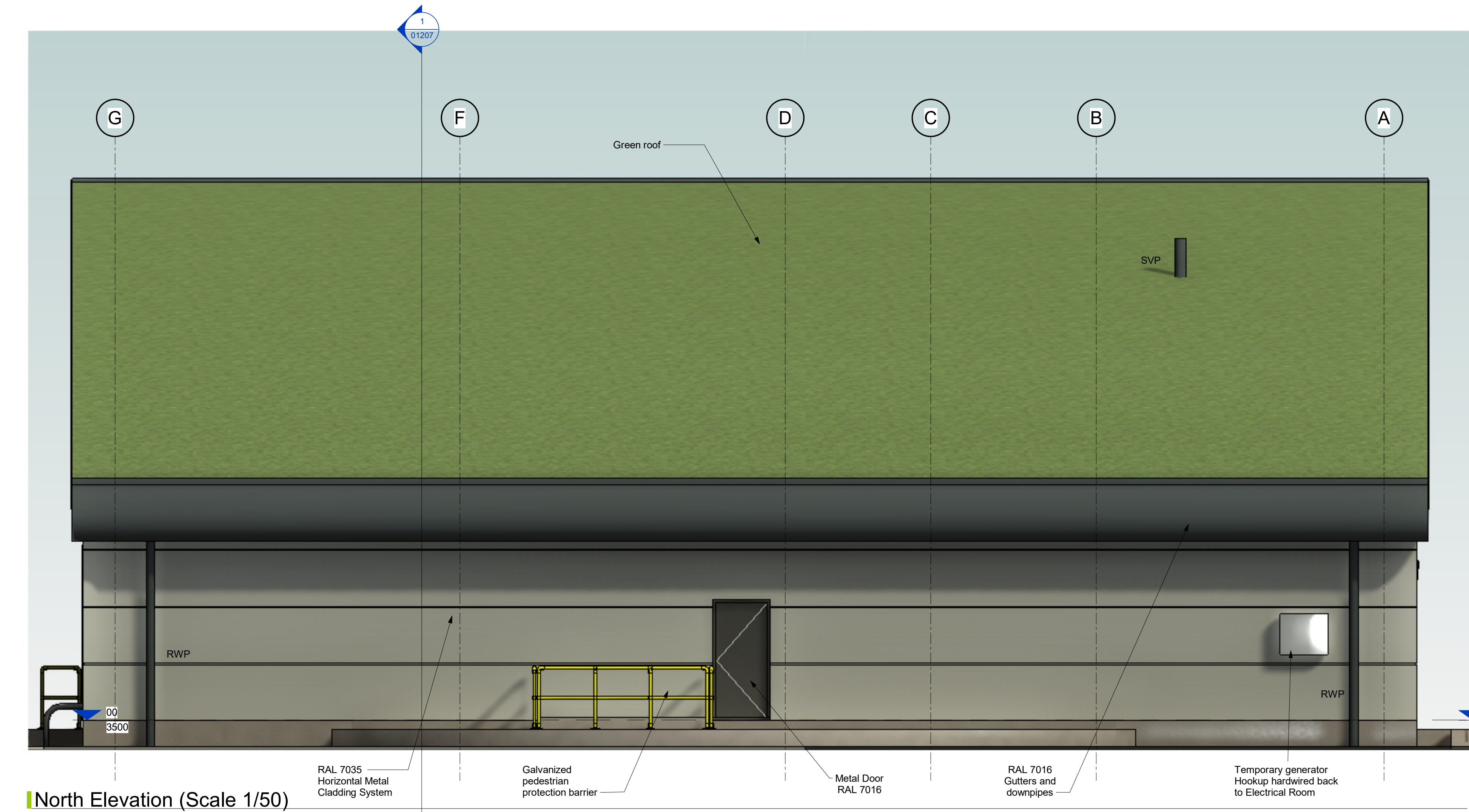
Document Title:  
Tilbury Headhouse - Planning - Outline Sections

Created by:	Date:	Checked by:	Date:	Approved by:	Date:
RO	20/09/23	RW	20/09/23	JK	20/09/23
Development Eng:	Document Type:	Scale:	Format:	Sheet(s):	Rev:
BT	Drawing	1 : 50	A1	1 of 1	P01

National Grid Document Number:  
PDD-100116-LAY-050

FEED Document Number:  
30003364-BHK-XX-ZZ-DR-A-01207

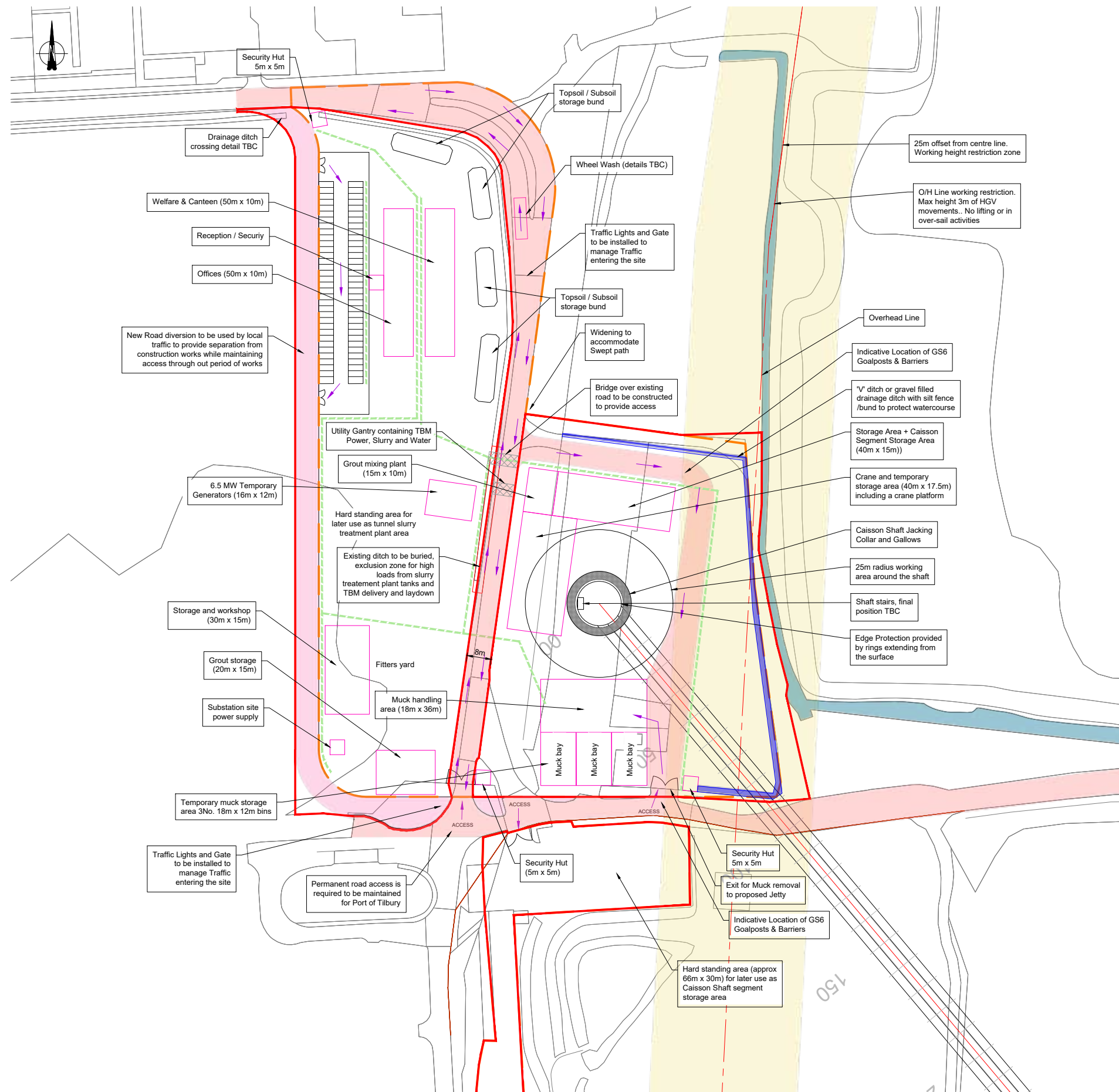




- NOTES**
1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED
  2. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (mAOD)
  3. FOR GRAVESEND SHAFT SEE PDD-100116-LAY-122
  4. SHAFT CENTRE POINT AT East = 566298.973, North = 175876.623
  5. ROAD AND FOOTPATH ALIGNMENTS SHOWN ARE INDICATIVE ONLY
  6. SVP - SOIL & VENT PIPE  
RWP - RAINWATER PIPE  
UPS - UNINTERRUPTED POWER SUPPLY
- REFERENCE DRAWINGS**
- PDD-100116-LAY-109 - CSE Layout with cable termination arrangement (Tilbury Side)
- PDD-100116-LAY-122 - TILBURY SHAFT GENERAL ARRANGEMENT
- PDD-100116-LAY-036 - TILBURY COMPOUND LEVELS
- 0 0.5 1 2.5 5  
Scale 1: 50 @ A0 (1: 100 @ A3)

PO1		Initial Issue		RD	RW	JK	20/09/23
Rev	Description			Ch'd	Ch'd	App'd	Date
nationalgrid							
Master Scheme No:		Sub-Scheme No:		Site:			
100116		-		NEW TILBURY CSEC			
Scheme Name:							
TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY 400kV UPRATING							
Document Title:							
Tilbury Headhouse - Planning - Proposed Elevations							
Created by:		Date:		Checked by:		Date:	
RD		20/09/23		RW		20/09/23	
Development Eng		Document Type		Scale:		Format:	
BT		Drawing		1: 50		A0	
National Grid Document Number:		PDD-100116-ELE-003		Sheet(s)		1 of 1	
Rev		P01					
FEED Document Number:							
30003364-BHK-XX-ZZ-DR-A-01206							





Location Plan  
Scale 1:750

#### Notes:

- To be read in conjunction with drawings:
  - NG: PDD-100116-LAY-125 / 30003364-MSE-XX-XX-DR-Y-10037 Tilbury Tunnel Construction Site Layout
  - NG: PDD-100116-LAY-128 / 30003364-MSE-XX-XX-DR-Y-10041 Gravesend Shaft Construction Site Layout
- Supporting Narrative provided in the Works Area Strategy report 30003364-MSE-XX-XX-RP-Y-10082
- Tilbury Shaft Location at SOP point E: 566288.082 N: 175840.645
- Locations are indicative of proposed construction phase arrangement.
- All Dimensions in mm unless stated otherwise.
- Works within the Working Height Restriction Zone to be conducted according to GS6.
- All Construction areas shown will need to be stoned, or temporary hard-standing laid.

#### KEY

- 15m Internal Diameter Shaft
- 25m offset from centre line. Working Height Restriction Zone
- Existing Road Access
- New Road Access
- Proposed Tunnel Alignment
- Gravel Drainage / V Ditch
- Land Take Boundary
- Pedestrian Access
- Overhead Line
- Temporary Working Area
- Water Course
- Bridge Crossing Structure

P03	Incorporating changes in CDM area	KD	TD	PT	11-10-2023
P02	Client Comments Incorporated	KD	TD	PT	12-09-2023
P01	First Issue	KD	TD	PT	27-07-2023
Rev	Description	Cre'd	Chk'd	App'd	Date

**nationalgrid**

Master Scheme No:	Sub-Scheme No:	Site:
100116	-	NEW TILBURY CSEC

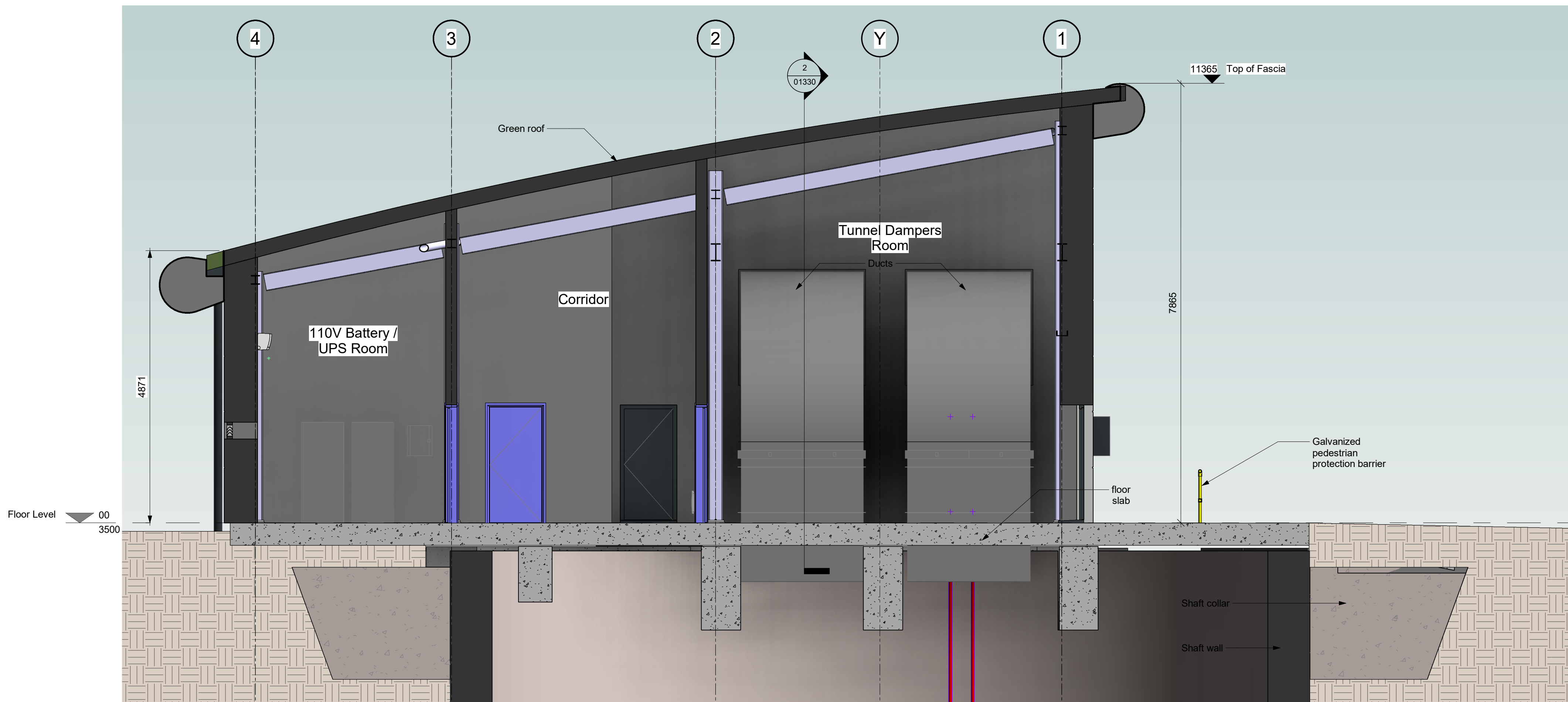
Scheme Name:  
**TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY 400kV UPRATING**

Document Title:  
**Tilbury Shaft Construction Site Layout**

Created by:	Date:	Checked by:	Date:	Approved by:	Date:
KD	11-10-2023	TD	11-10-2023	PT	11-10-2023
Development Eng:	Document Type:	Scale:	Format:	Sheet(s):	Rev:
BT	DRAWING	1:750	A1	1 of 1	P03

National Grid Document Number:  
PDD-100116-LAY-127

FEED Document Number:  
30003364-MSE-XX-XX-DR-Y-10040



Section 1 ( Scale 1/50)



Section 2 (Scale 1/50)

#### NOTES

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED
2. ALL LEVELS ARE IN METERS ABOVE ORDANANCE DATUM (mAOD)
3. FOR GRAVESEND SHAFT SEE PDD-100116-LAY-123
4. SHAFT CENTRE POINT AT, East = 567427.615, North = 174094.990
5. ROAD AND FOOTPATH ALIGNMENTS SHOWN ARE INDICATIVE ONLY
6. SVP - SOIL & VENT PIPE  
RWP - RAINWATER PIPE  
UPS - UNINTERRUPTED POWER SUPPLY

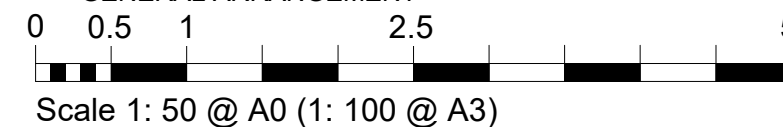
#### REFERENCE DRAWINGS

PDD-100116-LAY-106 - New Gravesend 400kV Cable Sealing End Compound HV Plant Plan Drawing

PDD-100116-LAY-102 - CSE Layout with cable termination arrangement (Gravesend site) (A784/A785)

PDD-100116-LAY-208 - GRAVESEND HEADHOUSE CONCEPT PROPOSAL

PDD-100116-LAY-123 - GRAVESEND SHAFT GENERAL ARRANGEMENT



P03	Updated with structural and services information	RW	JK	NS	04/12/23
P02	Updated to comments received	RO	RW	JK	21/09/23
P01	Initial Issue	RO	RW	JK	07/09/23
Rev	Description	Cre'd	Chk'd	App'd	Date

**nationalgrid**

Master Scheme No:	Sub-Scheme No:	Site:
100116	-	NEW GRAVESEND CSEC

Scheme Name:  
TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY 400kV UPRATING

Document Title:  
**Gravesend Headhouse - Planning - Proposed Sections**

Created by:	Date:	Checked by:	Date:	Approved by:	Date:
RO	07/09/23	RW	07/09/23	JK	07/09/23
Development Eng:	Document Type:	Scale:	Format:	Sheet(s):	Rev:
BT	Drawing	1 : 50	A1	1 of 1	P03

National Grid Document Number:  
**PDD-100116-LAY-057**

FEED Document Number:  
**30003364-BHK-XX-XX-DR-A-01407**













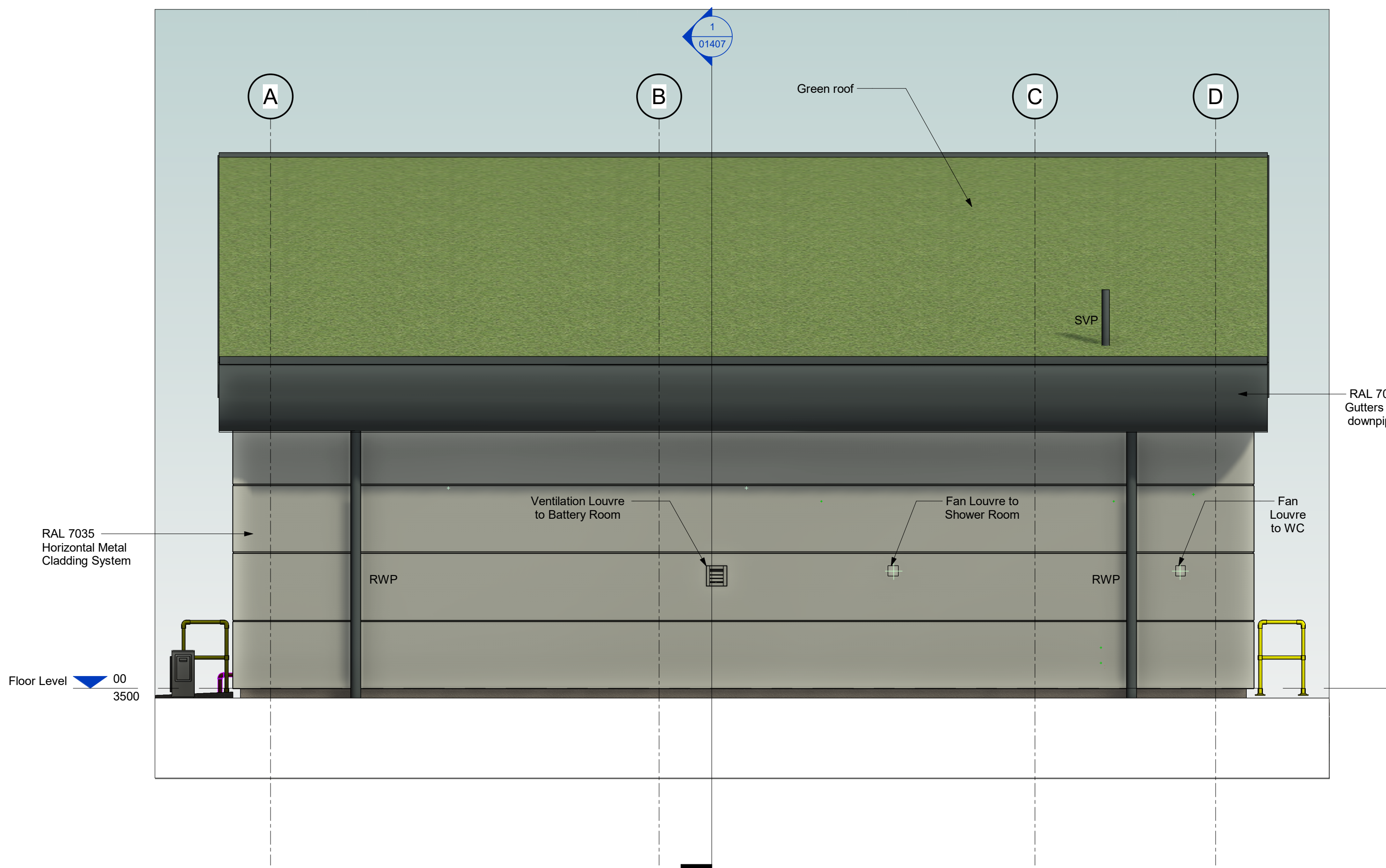
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National Grid Document Number:  
PDD-100116-LAY-053

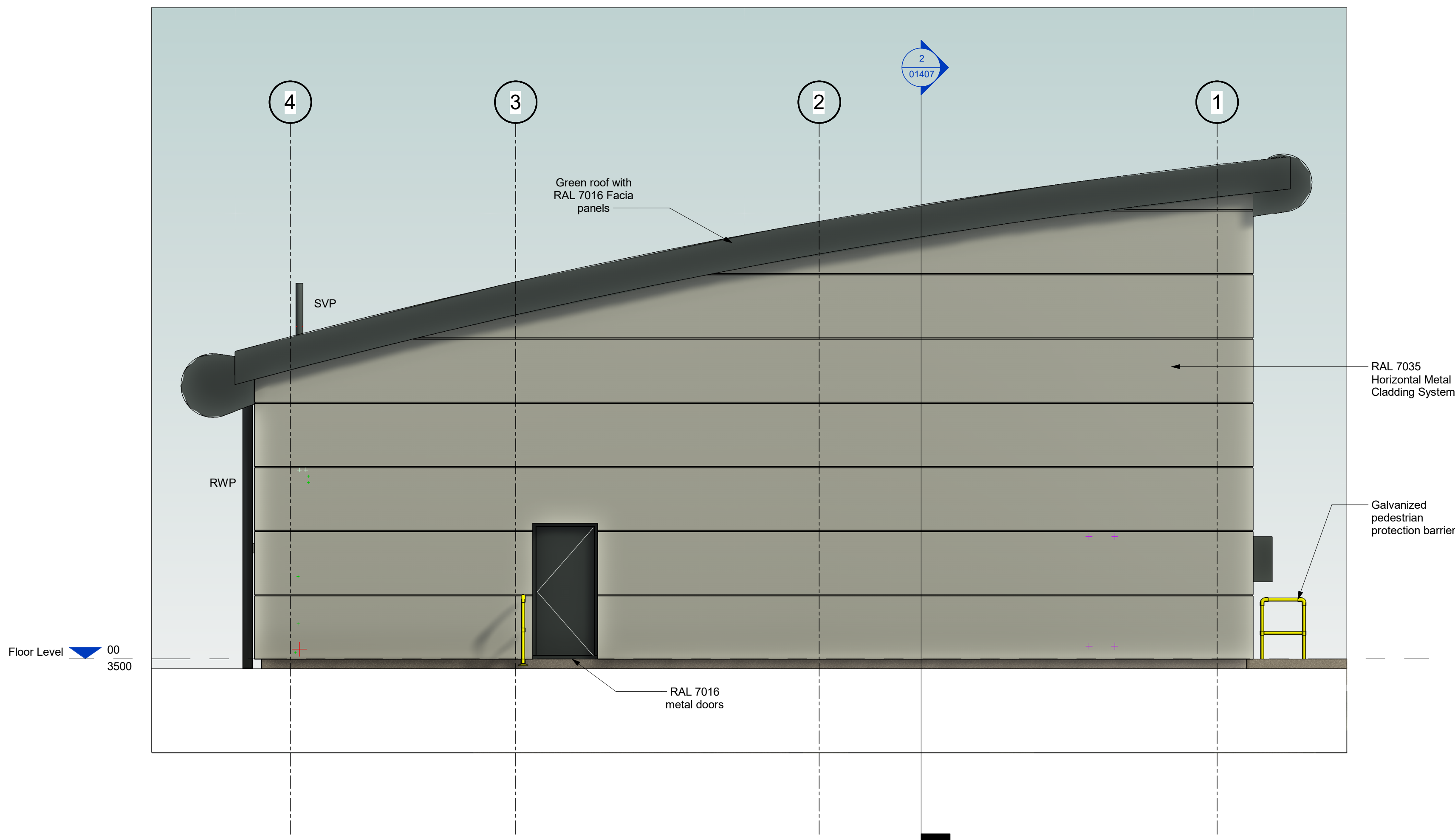
THIS IS A TP500 STAGE 4.3  
DRAWING AND IS FOR  
DEVELOPMENT PURPOSES ONLY

FEED Document Number:  
30003364-BHK-XX-XX-DR-A-01400

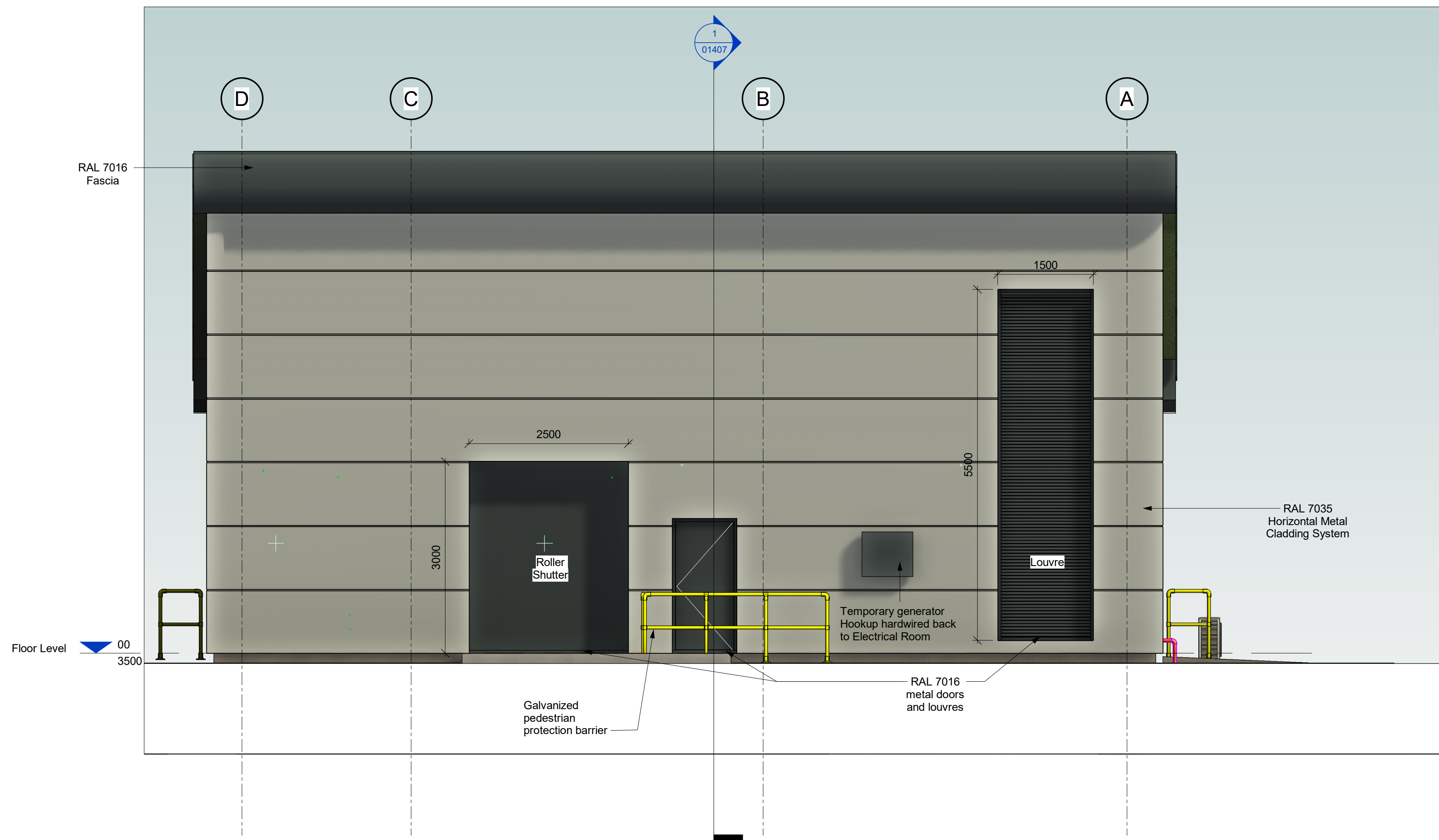




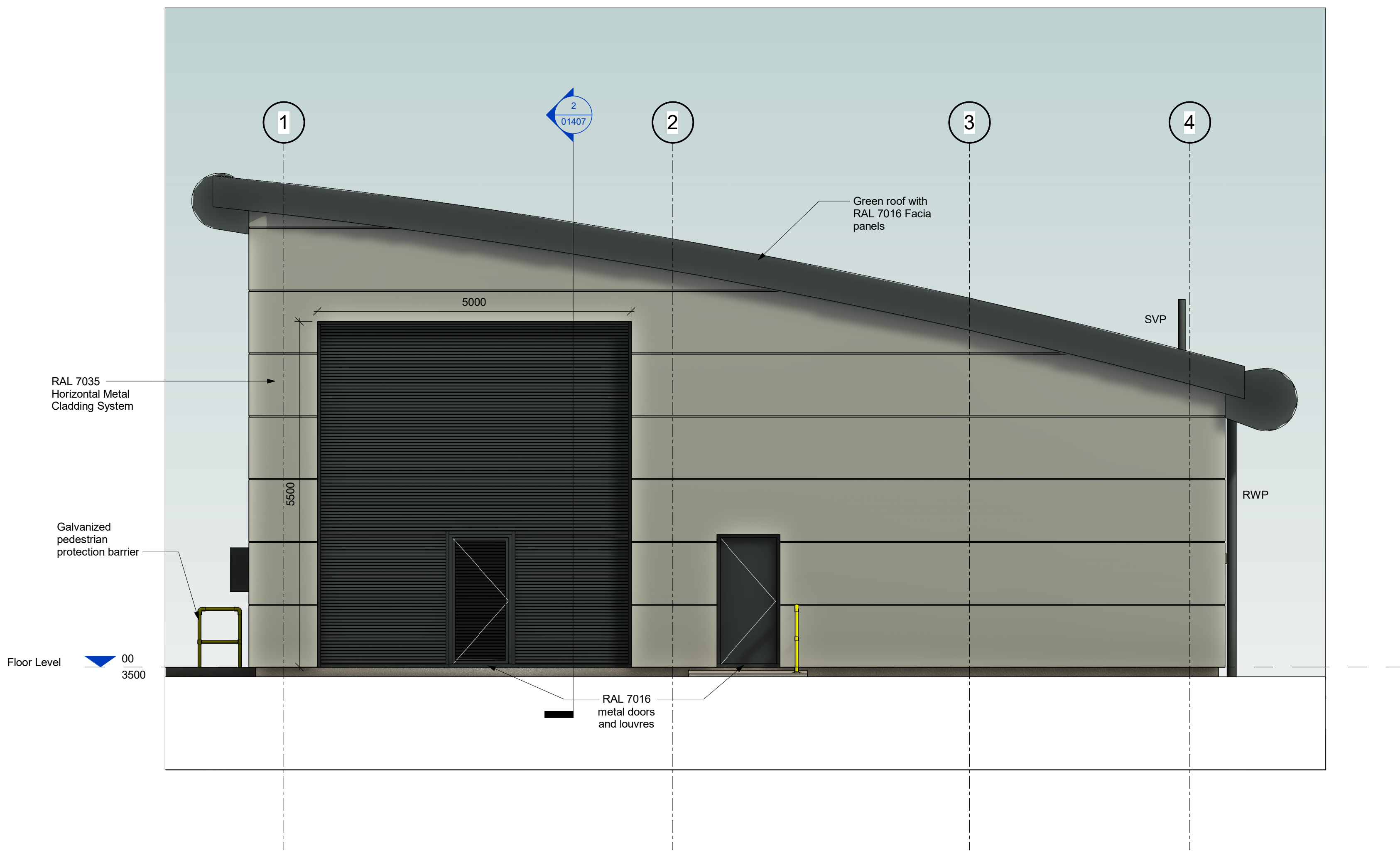
South East Elevation (Scale 1/50)



North East Elevation (Scale 1/50)



North West Elevation (Scale 1/50)



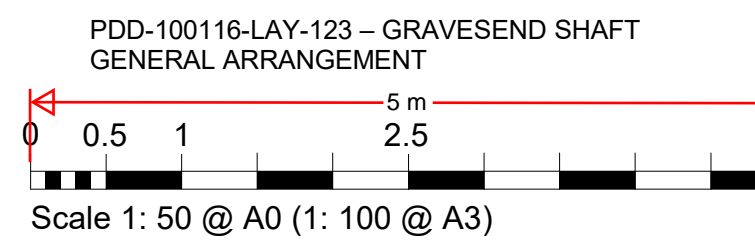
South West Elevation (Scale 1/50)

#### NOTES

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED
2. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM (mAOD)
3. FOR GRAVESEND SHAFT SEE PDD-100116-LAY-123
4. SHAFT CENTRE POINT AT, East = 567427.615, North = 174094.990
5. ROAD AND FOOTPATH ALIGNMENTS SHOWN ARE INDICATIVE ONLY
6. SVP - SOIL & VENT PIPE  
RWP - RAINWATER PIPE  
UPS - UNINTERRUPTED POWER SUPPLY

#### REFERENCE DRAWINGS

PDD-100116-LAY-106 - New Gravesend 400kV Cable Sealing End Compound HV Plant Plan Drawing  
PDD-100116-LAY-102 - CSE Layout with cable termination arrangement (Gravesend site) (A784/A785)  
PDD-100116-LAY-208 - GRAVESEND HEADHOUSE CONCEPT PROPOSAL  
PDD-100116-LAY-123 - GRAVESEND SHAFT GENERAL ARRANGEMENT



P03	Updated with structural and services information	RW	JK	NS	04/12/23
P02	Updated to comments received	RO	RW	JK	21/08/23
P01	Initial Issue	RO	RW	JK	07/08/23
Rev	Description	Rev'd	Rev'd	App'd	Date

**nationalgrid**

Master Scheme No: 100116 Sub-Scheme No: - Site: NEW GRAVESEND CSEC

Scheme Name: TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY 400kV UPRATING

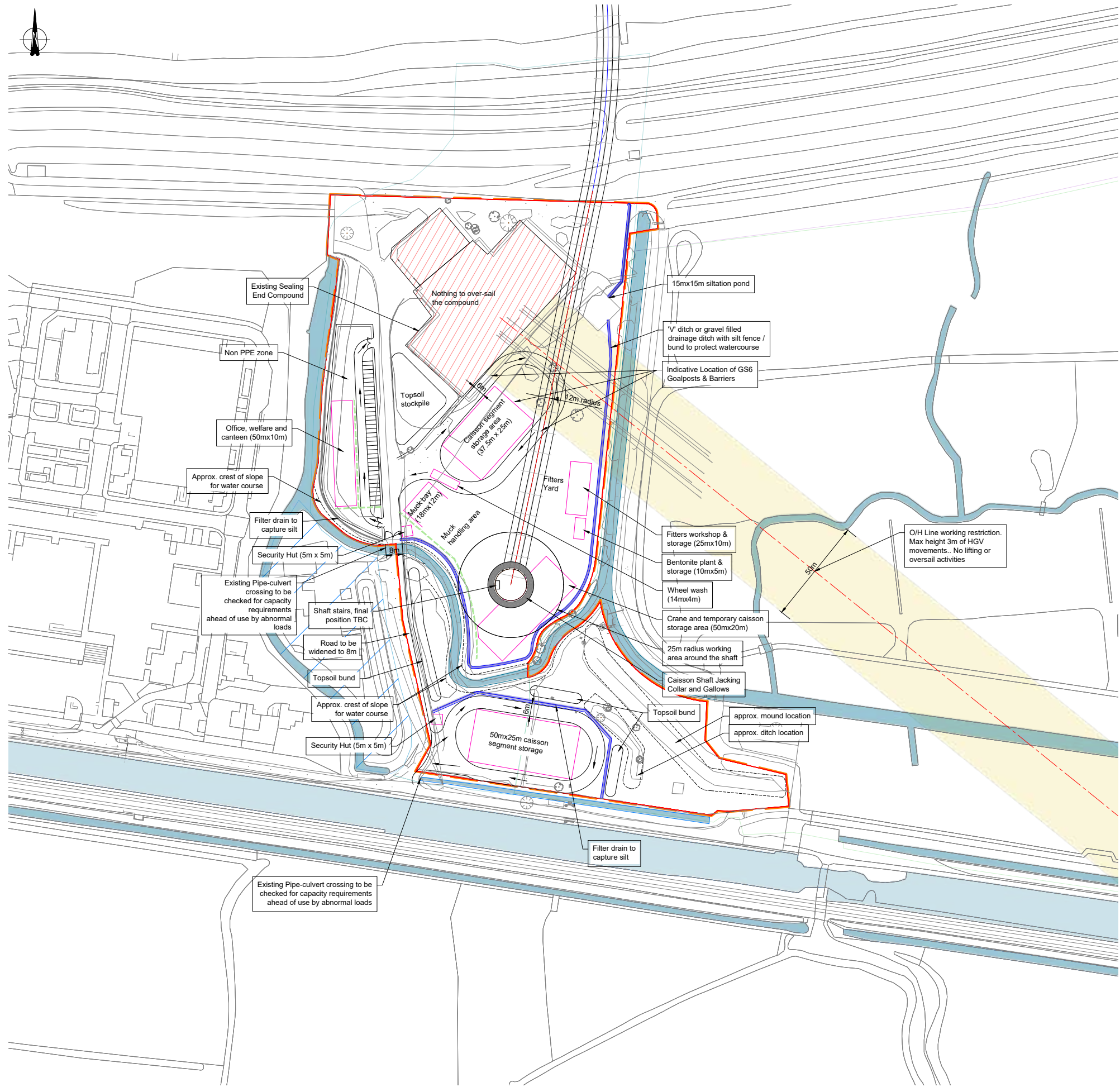
Document Title: Gravesend Headhouse - Planning - Proposed Elevations

Created by: RO	Date: 07/09/23	Checked by: RW	Date: 07/09/23	Approved by: JK	Date: 07/09/23
Development Eng: BT	Document Type: Drawing	Scale: 1: 50	Format: A0	Sheet(s): 1 of 1	Rev: P03

National Grid Document Number: PDD-100116-ELE-005

FEED Document Number: 30003364-BHK-XX-XX-DR-A-01406





Notes

- To be read in conjunction with drawings:
  - 1.1. NG: PDD-100116-LAY-125 / 30003364-MSE-XX-XX-DR-Y-10037 Tilbury Tunnel Construction Site Layout
  - 1.2. NG: PDD-100116-LAY-127 / 30003364-MSE-XX-XX-DR-Y-10040 Tilbury Shaft Construction Site Layout
- Supporting Narrative provided in the Works Area Strategy report 30003364-MSE-XX-XX-RP-Y-10082
- Gravesend Shaft Location at SOP point E: 567427.62 N: 174094.99
- Locations are indicative of proposed construction phase arrangement.
- All Dimensions in mm unless stated otherwise.
- Works within the Working Height Restriction Zone to be conducted according to GS6.
- All Construction areas shown will need to be stoned, or temporary hard-standing laid.

KEY

- 15m Internal Diameter Shaft
- 25m offset from centre line. Working Height Restriction Zone
- Proposed Tunnel Alignment
- Gravel Drainage / V Ditch
- Land Take Boundary
- Pedestrian Access
- Overhead Line
- Temporary Working Area
- Existing Sealing End Compound
- Water Course

P03	Changes to OHL Exclusion Zone	KD	TD	PT	11-10-2023
P02	Client Comments Incorporated	KD	TD	PT	18-09-2023
P01	First Issue	KD	TD	AM	03-07-23
Rev	Description	Cre'd	Chk'd	App'd	Date

**nationalgrid**

Master Scheme No:	Sub-Scheme No:	Site:
100116	-	NEW GRAVESEND CSEC

Scheme Name:  
TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY  
400kV UPRATING

Document Title:

Gravesend Shaft Construction  
Site Layout

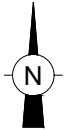
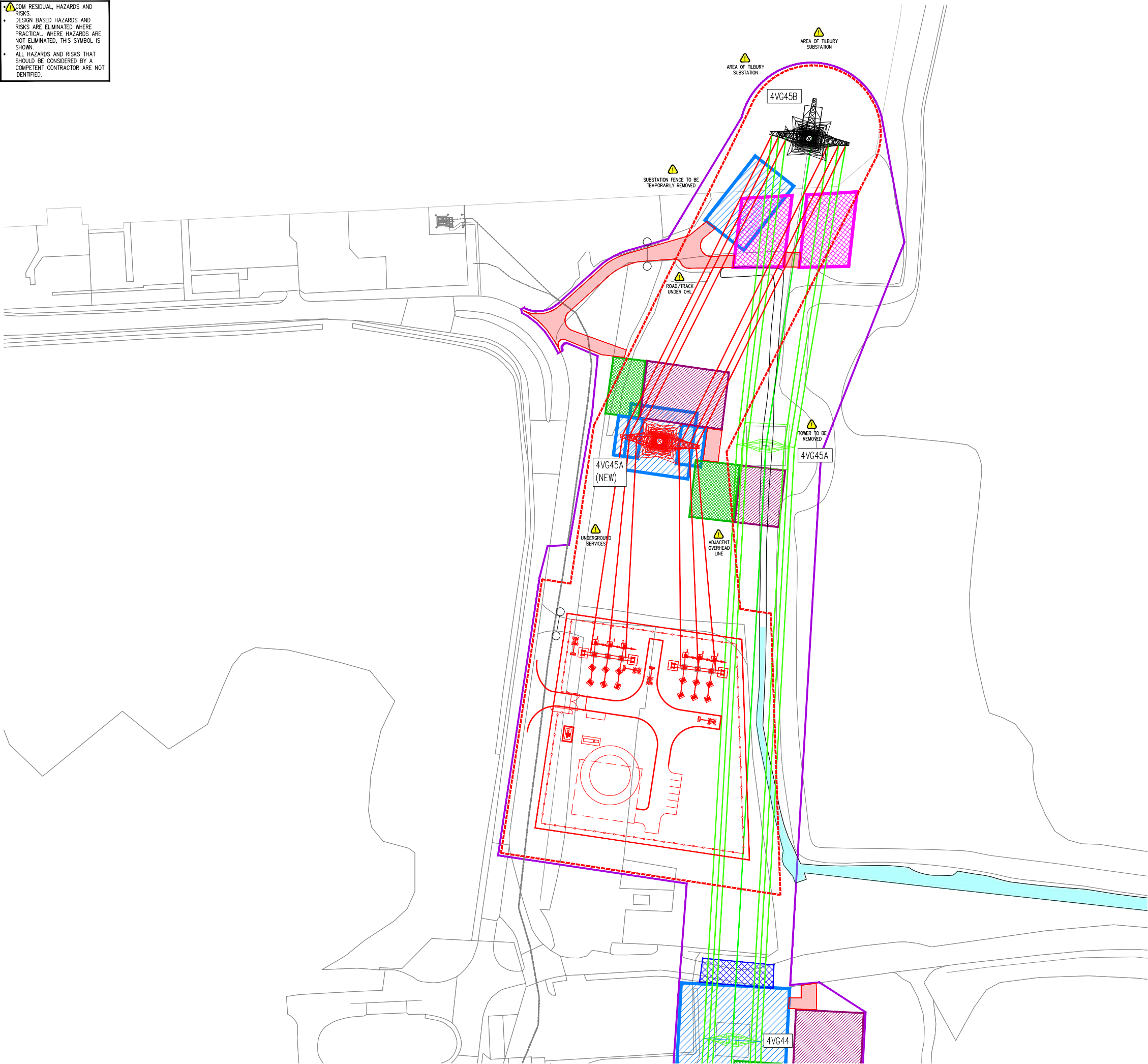
Created by:	Date:	Checked by:	Date:	Approved by:	Date:
KD	11-10-2023	TD	11-10-2023	PT	11-10-2023
Development Eng:	Document Type:	Scale:	Format:	Sheet(s):	Rev:
BT	DRAWING	1:1000	A1	1 of 1	P03

National Grid Document Number:  
PDD-100116-LAY-128

FEED Document Number:  
30003364-MSE-XX-XX-DR-Y-10041

⚠️ CDM RESIDUAL, HAZARDS AND RISKS.

- DESIGN BASED HAZARDS AND RISKS ARE ELIMINATED WHERE PRACTICAL. WHERE HAZARDS ARE NOT ELIMINATED, THIS SYMBOL IS SHOWN.
- ALL HAZARDS AND RISKS THAT SHOULD BE CONSIDERED BY A COMPETENT CONTRACTOR ARE NOT IDENTIFIED.



REFERENCES:

108567\_30\_01 – GRAVESEND  
108748\_03\_00 – NATIONAL GRID TILBURY

CENTARA  
CENTARA

GENERAL NOTES:

**KEY**

THE FOLLOWING ITEMS ARE DENOTED THUS:

- NEW STRUCTURE & OHL CONDUCTORS.
- EXISTING STRUCTURE
- CABLE CORRIDOR
- EASEMENT (25m EITHER SIDE OF C/L)
- EXISTING OHL TO BE REMOVED
- EXISTING OHL TO BE RETAINED
- CDM AREA
- WORKING AREA
- SCAFFOLD AREA
- EPZ AREA
- ACCESS TRACKWAY (APPROXIMATE WIDTH 4m)
- TOWER LAYDOWN AREA
- CRANE PAD AREA
- TOWER
- GOAL POST
- GATE

**Utility Legend**

Air Line	SWD Sewer
Alarm Cable	Survey Extents
BT Cable	Heating Pipe
CATV Cable	HV Electric Cable
Chamber Extent	Kingston Comms
Comms Cable	Oil Pipe
CWD Sewer	Rising Main
Earth Wire/Tape	Traffic Control
Electric Cable	Unknown Utility
Fibre Optic Cable	Vent Pipe
Fuel Line	Water
FWD Sewer	GPR Detection
Gas Pipe	Assumed Route
Band of Cables	Records Route
Empty Service Duct	Drainage
	Backdrop
	Cable Riser

**Utility Abbreviations**

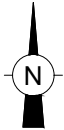
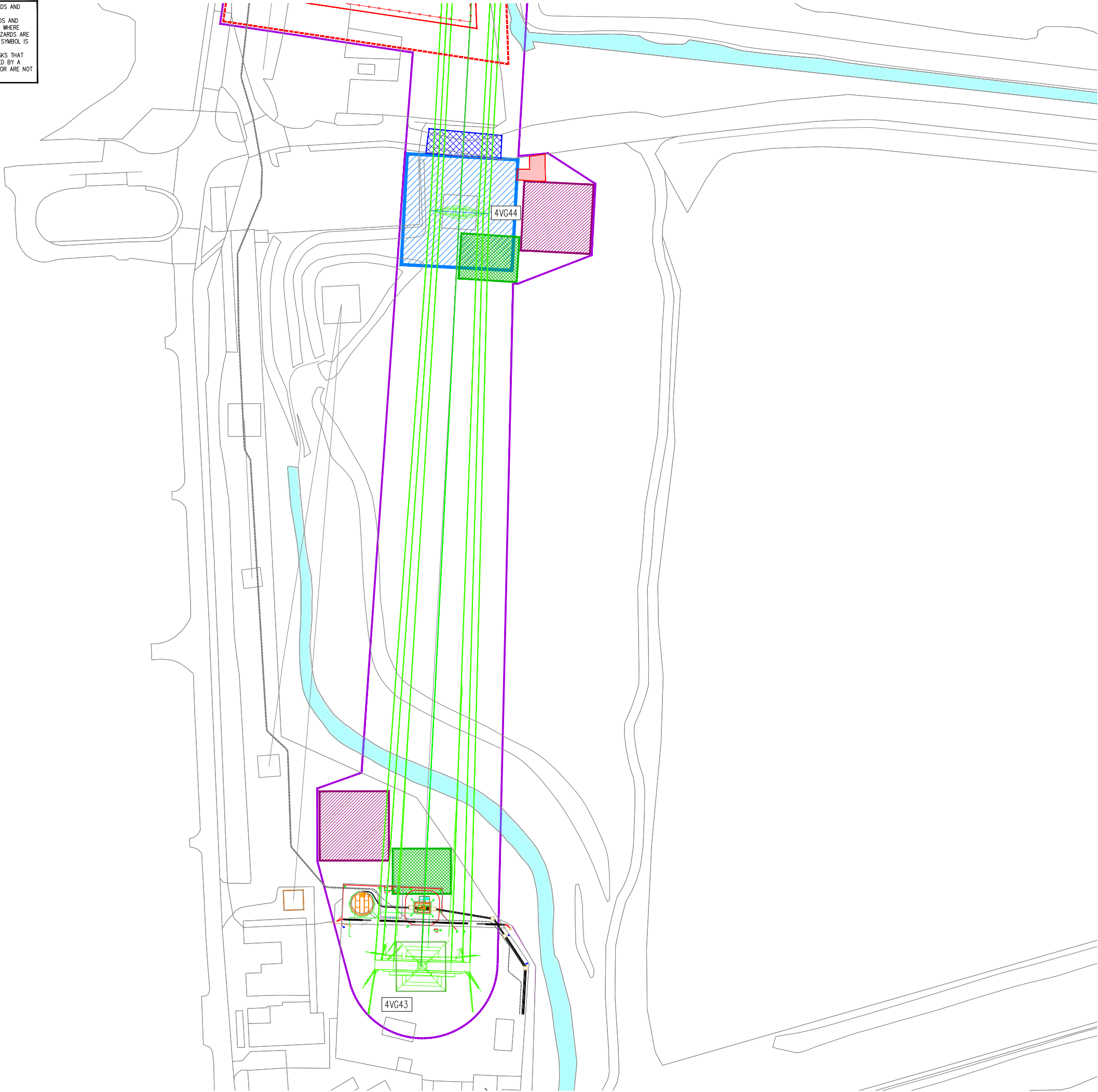
CP	Cathodic Protection	LoS	Loss of Signal
CU	Disconnected Utility	MDPE	Middle Density PE
DI	Ductile Iron	SI	Spun Iron
DoB	Depth of Bottom	TLC	Traffic Light Control
DoC	Depth of Cover	UDI	Unreliable Depth Info
ED	Empty Duct	uPVC	Unplasticised
EO	End of Trase	Polyvinyl Chloride	
PE	Polyethylene	UTR	Unable to Raise
HDPE	High Density PE	UTT	Unable to Trace
	VC	Vitrified Clay	

P02	FOR ACCEPTANCE	RCM	KR	AR	18/08/2023
4VG45A WORKING AREA REVISED					
P01	FOR ACCEPTANCE	NDN	KR	LGW	22/08/2023
Rev	Description	Drawn	Checked	Appr'd	Date

**nationalgrid**

Master Scheme No:	Sub-Scheme No:	Site:
100116	-	TILBURY
Scheme Name: TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY 400KV UP RATING		
Document Title:  CDM WORKING AREA SHEET 01 OF 03		
Created by: NDN	Date: 22/08/2023	Checked by: KR
Development Eng BT	Document Type: DRAWING	Scale: 1:500
National Grid Document Number: PDD-100116-OHL-015_01	Formal: A0	Sheet(s): 01 of 03
Approved by: LGW	Date: 22/08/2023	Rev: P02
FREED Document Number: 30003364-BHK-XX-XX-DR-01		

• CDM RESIDUAL, HAZARDS AND RISKS.  
• DESIGN BASED HAZARDS AND RISKS ARE ELIMINATED WHERE PRACTICAL. WHERE HAZARDS ARE NOT ELIMINATED, THIS SYMBOL IS SHOWN.  
• ALL HAZARDS AND RISKS THAT SHOULD BE CONSIDERED BY A COMPETENT CONTRACTOR ARE NOT IDENTIFIED.



REFERENCES:

108567\_30\_01 - GRAVESEND  
108748\_03\_00 - NATIONAL GRID TILBURY

CENTARA  
CENTARA

GENERAL NOTES:

**KEY**

THE FOLLOWING ITEMS ARE DENOTED THUS:

- NEW STRUCTURE & OHL CONDUCTORS.
- EXISTING STRUCTURE
- CABLE CORRIDOR
- EASEMENT (25m EITHER SIDE OF C/L)
- EXISTING OHL TO BE REMOVED
- EXISTING OHL TO BE RETAINED
- CDM AREA
- WORKING AREA
- SCAFFOLD AREA
- EPZ AREA
- ACCESS TRACKWAY (APPROXIMATE WIDTH 4m)
- TOWER LAYDOWN AREA
- CRANE PAD AREA
- TOWER
- GOAL POST
- GATE

**Utility Legend**

Air Line	SWD Sewer
Alarm Cable	Survey Extents
BT Cable	Heating Pipe
CATV Cable	HV Electric Cable
Chamber Extent	Kingston Comms
Comms Cable	Oil Pipe
CWD Sewer	Rising Main
Earth Wire/Tape	Traffic Control
Electric Cable	Unknown Utility
Fibre Optic Cable	Vent Pipe
Fuel Line	Water
FWD Sewer	GPR Detection
Gas Pipe	Assumed Route
Band of Cables	Records Route
Empty Service Duct	Drainage
	Backdrop
	Cable Riser

**Utility Abbreviations**

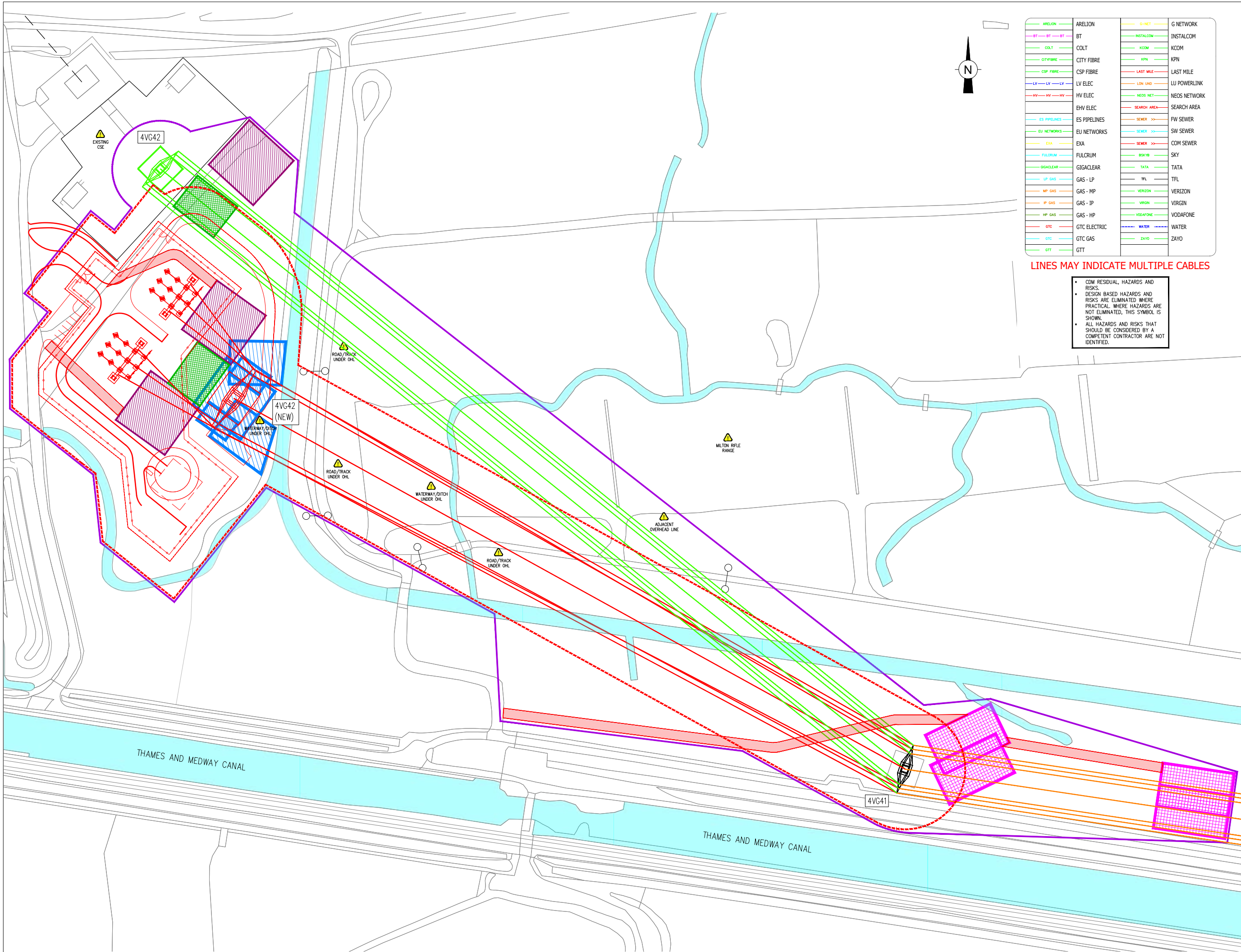
CP	Cathodic Protection	LoS	Loss of Signal
Cut	Disconnected Utility	MDPE	Middle Density PE
DI	Ductile Iron	SI	Spun Iron
DoB	Depth of Bottom	TLC	Traffic Light Control
DoC	Depth of Cover	UDI	Unreliable Depth Info
ED	Empty Duct	uPVC	Unplasticised
EOt	End of Trace	PPVC	Polyvinyl Chloride
PE	Polyethylene	UTR	Unable to Raise
HDPE	High Density PE	UTT	Unable to Trace
	VC	Vitrified Clay	

P02	FOR ACCEPTANCE	RCM	KR	AR	18/09/2023
	4VG43 ACCESS REMOVED				
P01	FOR ACCEPTANCE	NDN	KR	LGW	22/08/2023
Rev	Description	Drawn	Checked	Appr'd	Date

**nationalgrid**

Master Scheme No:	Sub-Scheme No:	Site:
100116	-	TILBURY
Scheme Name: TKRE GRAIN-TILBURY AND KINGSNORTH-TILBURY 400kV UPGRATING		
Document Title: CDM WORKING AREA SHEET 02 OF 03		
Created by: NDN	Date: 22/08/2023	Checked by: KR
Development Eng BT	Document Type: DRAWING	Scale: 1:500
National Grid Document Number: PDD-100116-OHL-015_02	Format: A0	Sheet(s): 02 of 03
Approved by: LGW	Date: 22/08/2023	Rev: P02





ARELION	ARELION	G-NET	G NETWORK
BT	BT	INSTALCOM	INSTALCOM
COLT	COLT	KCOM	KCOM
CITY FIBRE	CITY FIBRE	KPN	KPN
CSP FIBRE	CSP FIBRE	LAST MILE	LAST MILE
LV	LV	LU POWERLINK	LU POWERLINK
HV	HV	NEOS NET	NEOS NETWORK
EHV ELEC	EHV ELEC	SEARCH AREA	SEARCH AREA
ES PIPELINES	ES PIPELINES	FW SEWER	FW SEWER
EU NETWORKS	EU NETWORKS	SW SEWER	SW SEWER
EXA	EXA	COM SEWER	COM SEWER
FULCRUM	FULCRUM	SKY	SKY
GIGACLEAR	GIGACLEAR	TATA	TATA
GAS - LP	GAS - LP	TFL	TFL
GAS - MP	GAS - MP	VERIZON	VERIZON
GAS - IP	GAS - IP	VIRGIN	VIRGIN
GAS - HP	GAS - HP	VODAFONE	VODAFONE
GTC	GTC ELECTRIC	WATER	WATER
GTC	GTC GAS	ZAYO	ZAYO
GTT	GTT		

LINES MAY INDICATE MULTIPLE CABLES

- CDM RESIDUAL, HAZARDS AND RISKS.
- DESIGN BASED HAZARDS AND RISKS ARE ELIMINATED WHERE PRACTICAL. WHERE HAZARDS ARE NOT ELIMINATED, THIS SYMBOL IS SHOWN.
- ALL HAZARDS AND RISKS THAT SHOULD BE CONSIDERED BY A COMPETENT CONTRACTOR ARE NOT IDENTIFIED.

REFERENCES:

108567\_30\_01 - GRAVESEND  
108748\_03\_00 - NATIONAL GRID TILBURY

CENTARA  
CENTARA

GENERAL NOTES:

KEY	
THE FOLLOWING ITEMS ARE DENOTED THUS:	
	NEW STRUCTURE & OHL CONDUCTORS.
	EXISTING STRUCTURE
	CABLE CORRIDOR
	EASEMENT (25m EITHER SIDE OF C/L)
	EXISTING OHL TO BE REMOVED
	EXISTING OHL TO BE RETAINED
	CDM AREA (10m OFFSET FROM OUTER CONDUCTOR)
	WORKING AREA
	SCAFFOLD AREA
	EPZ AREA
	ACCESS TRACKWAY (APPROXIMATE WIDTH 4m)
	TOWER LAYDOWN AREA
	CRANE PAD AREA
	TOWER
	GOAL POST
	GATE

FOR ACCEPTANCE	FOR ACCEPTANCE	FOR ACCEPTANCE	FOR ACCEPTANCE	FOR ACCEPTANCE	FOR ACCEPTANCE
Rev	Description	Rev	Description	Rev	Description

**nationalgrid**

Master Scheme No:	Sub-Scheme No:	Site:
100116	-	GRAVESEND

Scheme Name:  
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400KV UPGRATING

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