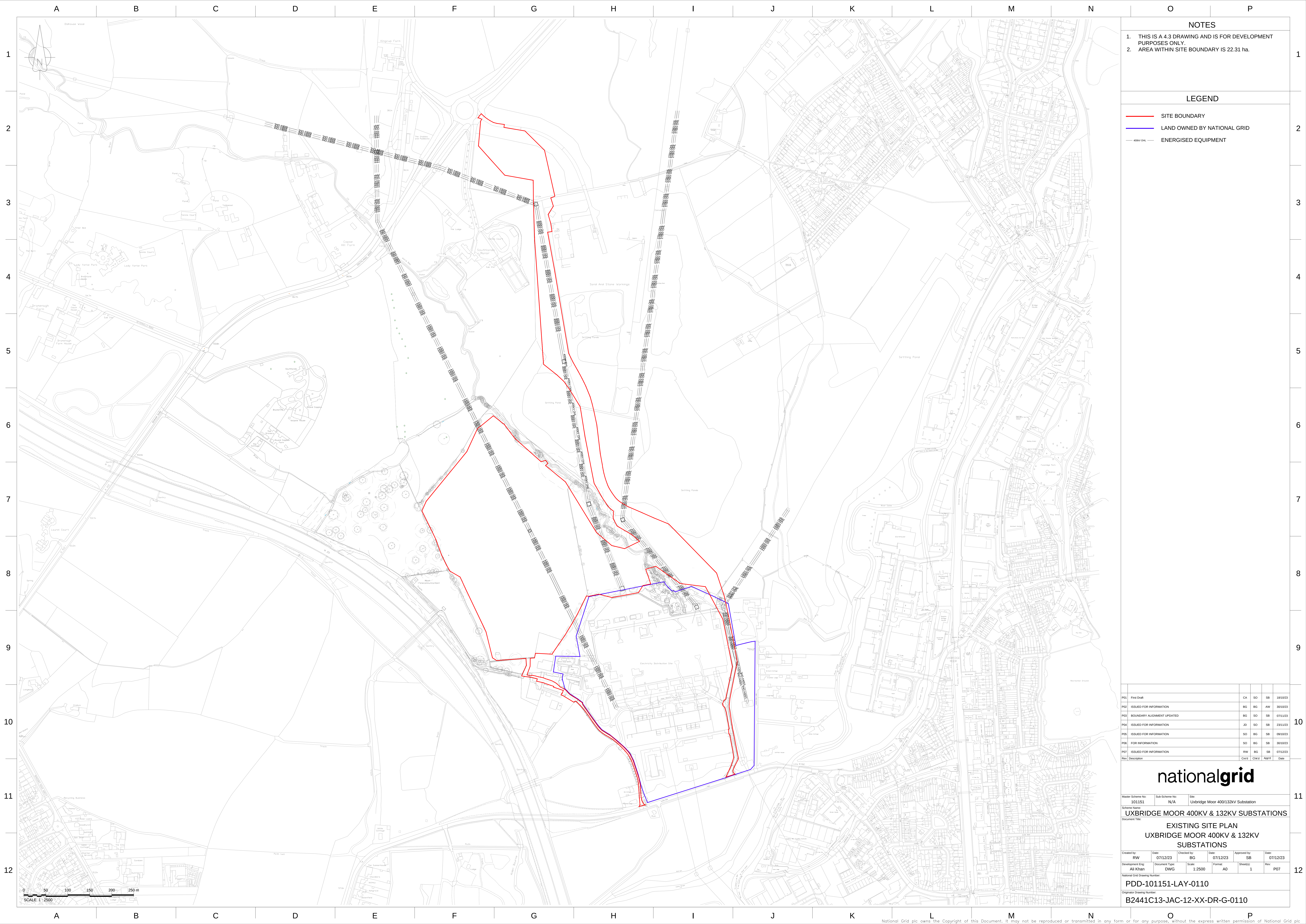




NOTES

1. THIS IS A 4.3 DRAWING AND IS FOR DEVELOPMENT PURPOSES ONLY.

2. AREA WITHIN SITE BOUNDARY IS 22.31 ha.

LEGEND

SITE BOUNDARY

LAND OWNED BY NATIONAL GRID

400KV OHL

ENERGISED EQUIPMENT

P01	First Draft		CA	SO	SB	18/10/23
P02	ISSUED FOR INFORMATION		BG	BG	AW	30/10/23
P03	BOUNDARY ALIGNMENT UPDATED		BG	SO	SB	07/11/23
P04	ISSUED FOR INFORMATION		JD	SO	SB	23/11/23
P05	ISSUED FOR INFORMATION		SO	BG	SB	09/10/23
P06	FOR INFORMATION		SO	BG	SB	30/10/23
P07	ISSUED FOR INFORMATION		RW	BG	SB	07/12/23
Rev	Description		Created	Checked	Approved	Date

nationalgrid

Master Scheme No:
101151

Sub Scheme No:
N/A

Site:
Uxbridge Moor 400/132kV Substation

Scheme Name:
UXBRIDGE MOOR 400KV & 132KV SUBSTATIONS

Document Title:
EXISTING SITE PLAN
UXBRIDGE MOOR 400KV & 132KV
SUBSTATIONS

Created by:
RW

Date:
07/12/23

Checked by:
BG

Date:
07/12/23

Approved by:
SB

Date:
07/12/23

Development Eng:
Ali Khan

Document Type:
DWG

Scale:
1:2500

Format:
A0

Sheet(s):
1

Rev:
P07

National Grid Drawing Number:
PDD-101151-LAY-0110

Original Drawing Number:
B2441C13-JAC-12-XX-DR-G-0110

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NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.

2. THIS IS A 4.3 DRAWING AND IS FOR DEVELOPMENT PURPOSES ONLY.

LEGEND

Proposed Works

Proposed Substation Fence Line

Proposed Stock-proof Fence Line

Proposed Road & Car Parkings

Energised Equipment

Removed Equipment

Proposed Fill Earthworks

Proposed Cut Earthworks

Proposed Drainage

Temporary Electrical Equipment/Facilities

REFERENCE DRAWINGS

DRAWING NUMBER	TITLE
PDD-101151-SLD-0300	SLD- HV PLANT EXTENSION (SHEET 1)
PDD-101151-SLD-0301	SLD- HV PLANT EXTENSION (SHEET 2)
PDD-101151-SLD-0302	SLD- HV PLANT EXTENSION (SHEET 3)
PDD-101151-SLD-0303	SLD- HV PLANT EXTENSION (SHEET 4)
PDD-101151-SLD-0304	SLD- HV PLANT EXTENSION (SHEET 5)
PDD-101151-LAY-0200	PLAN- 400KV/132KV GIS LAYOUT
PDD-101151-LAY-0202	PLAN- 400KV/132KV SECTIONS
PDD-101151-LAY-0204	PLAN- 400KV MEWP ACCESS LAYOUT

07	FOR AMENDMENTS	RW	SO	SB	22/01/24
06	FOR INFORMATION	JD	SO	SB	06/12/23
05	FOR INFORMATION	CH	SO	SB	05/12/23
04	REVISED TO INCLUDE FOUR 132KV FEEDER BAYS	BRH	SO	SB	06/11/23
03	ISSUED FOR DESIGN ASSURANCE - CHANGE IN LANDING GANTRIES FOR AMESHAM EAST CLAYTON CIRCUIT	BRH	SO	SB	19/10/23
02	ISSUE FOR INFORMATION- FUTURE BAYS COLOUR UPDATED	BRH	NK	U	07/09/23
01	ISSUED FOR INFORMATION	BRH	SO	SB	31/08/23
00	FOR INFORMATION	BRH	SO	SB	22/06/23
Rev	Description	Chkd	Chk'd	App'd	Date

nationalgrid

Master Scheme No:
101151

Sub-Scheme No:
N/A

Site:
Uxbridge Moor 400/132kV Substation

Scheme Name:
UXBRIDGE MOOR 400KV & 132KV SUBSTATIONS

Document Title:
SITE PLAN
400KV GIS & 132KV GIS
SUBSTATION LAYOUT

Created by:
RW

Date:
22/01/24

Checked by:
SO

Date:
22/01/24

Approved by:
SB

Date:
22/01/24

Development Eng:
Ali Khan

Document Type:
DWG

Scale:
1:1500

Format:
A0

Sheets:
1

Rev:
07

National Grid Drawing Number:
PDD-101151-LAY-0201

Original Drawing Number:
B2441C13-JAC-21-ZZ-DR-E-0201



- NOTES**
- This is a 4.2 drawing and is for development purposes only.
 - All dimensions are in millimetres unless otherwise stated.
 - Connection between 460MVA Transformer and 132kV Substation shall be via underground cables - 2 conductors per phase.
 - Underground cable route from 132kV AIS to HDD Launch pits shall be determined in stage 4.3, following assessment of the connection program.
 - Please refer to Feasibility Study Report.
 - It is assumed the customer connections will be by cable and will require directional drilling under the M25. This solution will vary per customer as the scheme progresses. The current HDD layout is solely indicative to support stage 4.2 design only. Further discussions with the customers will be necessary to ascertain their connection.
 - HDD Assumptions:
 - 2 customer circuits per HDD.
 - HDD launch area of 30m by 15m.
 - HDD launch area encompasses all HDD equipment.
 - All HDDs are carried out independently.
 - HDD launch area encompasses all HDD equipment.
 - 1 bore per connection containing 3 ducts in Ducts in Trefoil formation.
 - 5m Bore separation from center to center.
 - Maximum Depth of HDD to be 26m to top of bore.

- LEGEND**
- 400kV OHL — ENERGISED EQUIPMENT
 - 400kV OHL — REMOVED EQUIPMENT
 - 400kV OHL — ISOLATED EQUIPMENT
 - 400kV OHL — TEMPORARY EQUIPMENT
 - 400kV OHL — NEW OHL 400kV
 - SSE OWNED 132kV CABLE ROUTE (INDICATIVE)

REFERENCE DRAWINGS

00	FIRST ISSUE		JD	SO	SB 22/06/22
01	ISSUED FOR INFORMATION		JD	YK	SB 18/10/22
02	ISSUED FOR INFORMATION		BH	SO	JD 21/12/22
03	ISSUED FOR INFORMATION		JD	SO	SB 18/01/23
Rev	Description		CHKD	CHKD	App'd Date

nationalgrid

Master Scheme No: 101151 Sub-Scheme No: B31000J2 Site: Iver 400/132kV Substation

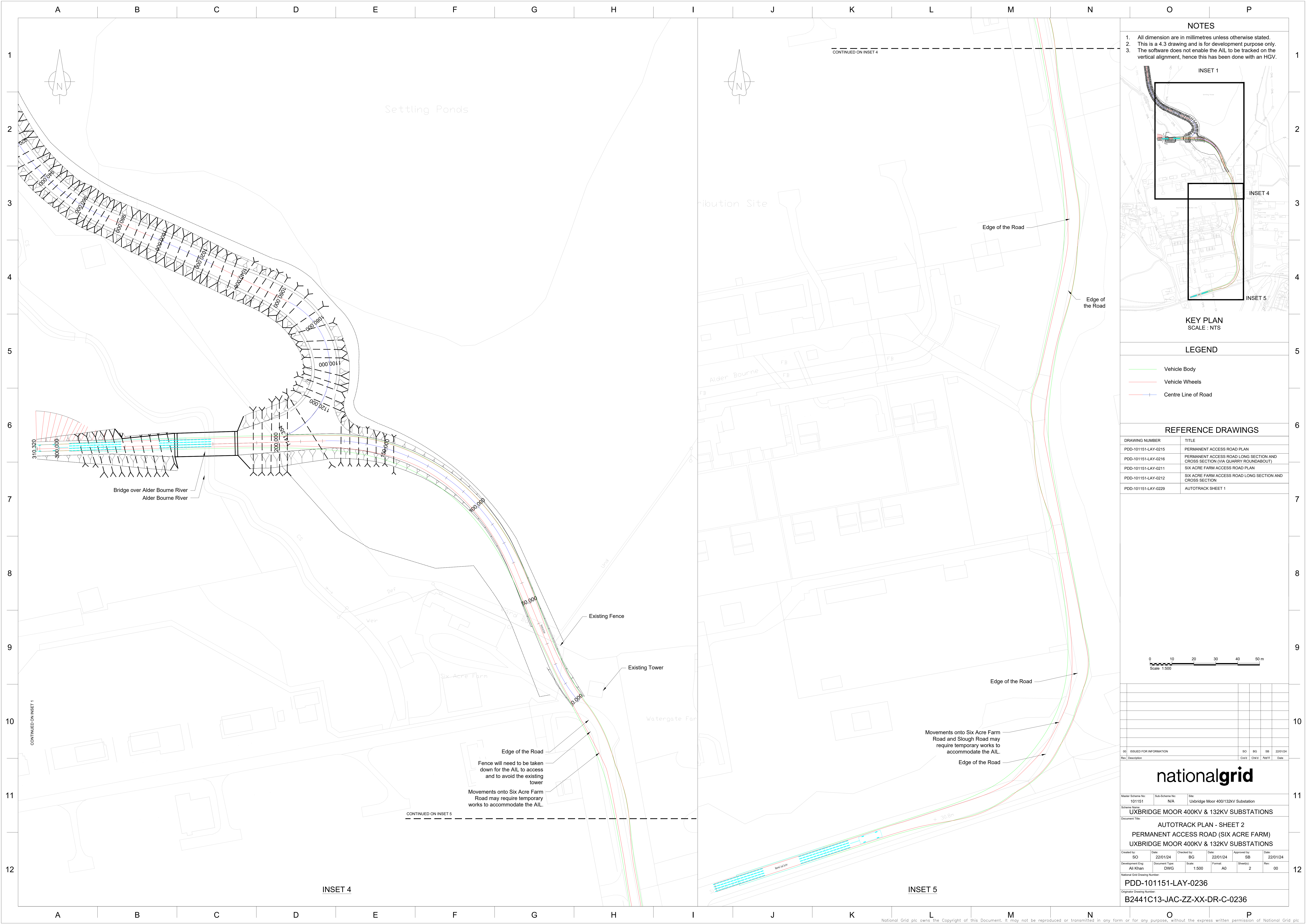
Scheme Name: IVER 400kV & 132KV GSP

Document Title: PLAN
SITE OPTION 7 - 400KV/132KV FULL AIS
SUBSTATION LAYOUT

Created by: JD	Date: 17/01/23	Checked by: SO	Date: 17/01/23	Approved by: SB	Date: 18/01/23
Development Eng: Ali Khan	Document Type: DWG	Scale: 1:1500	Format: A0	Sheet(s): 1	Rev: 03

National Grid Drawing Number: PDD-101151-LAY-303

Originator Drawing Number: B31000J2-JAC-ZZ-XX-DR-E-0303



NOTES

- All dimension are in millimetres unless otherwise stated.
- This is a 4.3 drawing and is for development purpose only.
- The software does not enable the AIL to be tracked on the vertical alignment, hence this has been done with an HGV.

KEY PLAN

SCALE : NTS

LEGEND

- Vehicle Body
- Vehicle Wheels
- Centre Line of Road

REFERENCE DRAWINGS

DRAWING NUMBER	TITLE
PDD-101151-LAY-0215	PERMANENT ACCESS ROAD PLAN
PDD-101151-LAY-0216	PERMANENT ACCESS ROAD LONG SECTION AND CROSS SECTION (VIA QUARRY ROUNDABOUT)
PDD-101151-LAY-0211	SIX ACRE FARM ACCESS ROAD PLAN
PDD-101151-LAY-0212	SIX ACRE FARM ACCESS ROAD LONG SECTION AND CROSS SECTION
PDD-101151-LAY-0229	AUTOTRACK SHEET 1

010

ISSUED FOR INFORMATION

Rev

Description

010

BO

BG

SB

22/01/24

Chk'd

Chk'd

App'd

Date

nationalgrid

Master Scheme No:
101151

Sub-Scheme No:
N/A

Site:
Uxbridge Moor 400/132kV Substation

Scheme Name:
UXBRIDGE MOOR 400KV & 132KV SUBSTATIONS

Document Title:
AUTOTRACK PLAN - SHEET 2
PERMANENT ACCESS ROAD (SIX ACRE FARM)
UXBRIDGE MOOR 400KV & 132KV SUBSTATIONS

Created by:
SO

Date:
22/01/24

Checked by:
BG

Date:
22/01/24

Approved by:
SB

Date:
22/01/24

Development Eng:
Ali Khan

Document Type:
DWG

Scale:
1:500

Format:
A0

Sheet(s):
2

Rev:
00

National Grid Drawing Number:
PDD-101151-LAY-0236

Originator Drawing Number:
B2441C13-JAC-ZZ-XX-DR-C-0236

Continued on Inset 1

Continued on Inset 4

Continued on Inset 5

0

10

20

30

40

50 m

Scale 1:500

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10

20

30

40

50 m

Scale 1:500

0

10

20

30

40

50 m

Scale 1:500

1

2

3

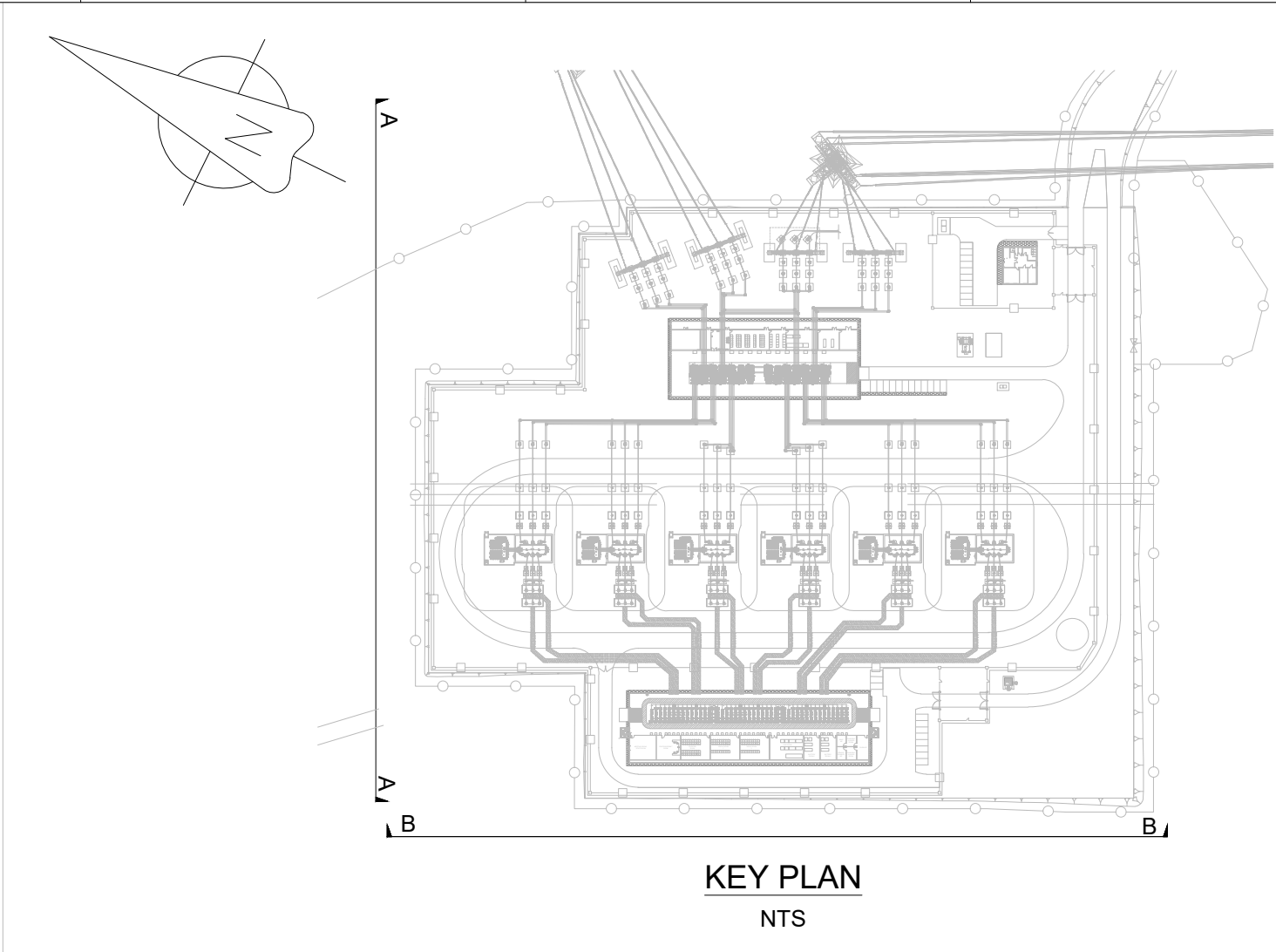
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5

6

7

8



NOTES

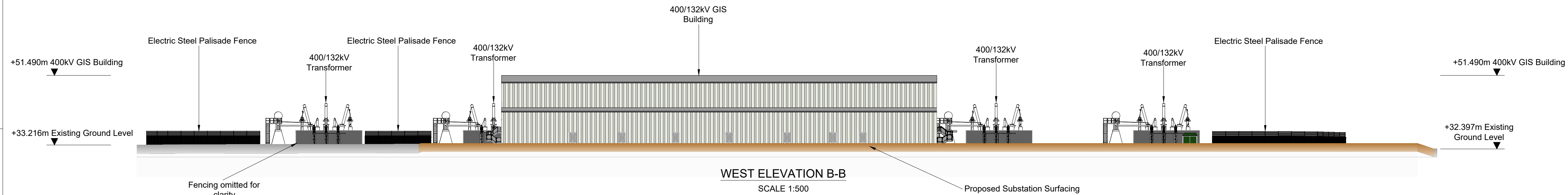
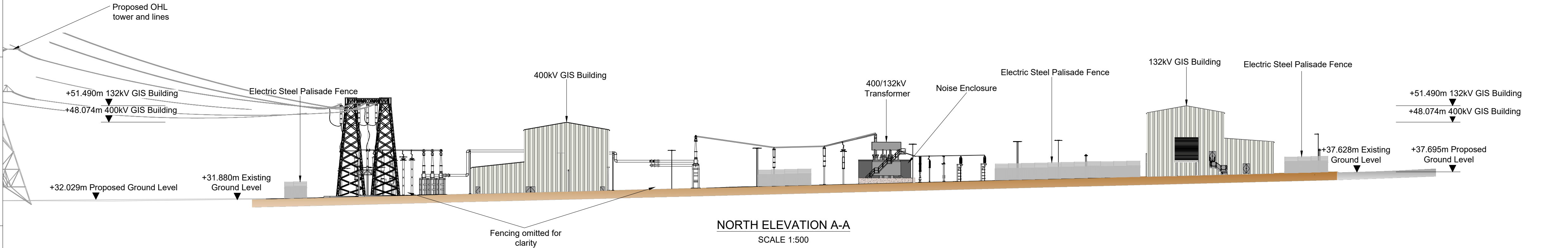
1. All Levels in Metres above Ordnance Datum.

LEGEND

 Insulated Cladding Profile - typically Kingspan RW
Trapezoidal profile
Colour Goosewing Grey RAL 0807005 / BS 10A05

REFERENCE DRAWINGS

REFERENCE DRAWINGS	
DRAWING NUMBER	TITLE
PDD-101151-LAY-0102	PLANNING - PROPOSED SUBSTATION LAYOUT



5

6

7

8

00	ISSUED FOR PLANNING	BRH	SO	SB	20/07/23
01	ISSUED FOR PLANNING	BRH	CT	SB	07/08/23
02	ISSUED FOR PLANNING	BRH	SO	SB	14/08/23
03	ISSUED FOR PLANNING	BRH	SO	U	18/08/23
04	ISSUED FOR PLANNING	AC	SO	SB	22/12/23
05	ISSUED FOR INFORMATION	RW	SO	SB	26/01/24
06	ISSUED FOR INFORMATION	RW	SO	SB	29/01/24
Rev	Description	Cre'd	Chk'd	App'd	Date

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Master Scheme No: 101151	Sub-Scheme No: B2441C13	Site: Uxbridge Moor 400/132kV Substation
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Scheme Name:
UXBRIDGE MOOR 400KV & 132KV SUBSTATIONS

Document Title:
**PROPOSED ELEVATIONS
SHEET 1 OF 2**

Created by: RW	Date: 29/01/24	Checked by: SO	Date: 29/01/24	Approved by: SB	Date: 29/01/24
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Development Eng: Ali Khan	Document Type: DWG	Scale: 1:500	Format: A1	Sheet(s): 1 OF 2	Rev: 06
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National Grid Drawing Number:

PDD-101151-ELE-0103

Originator Drawing Number:

B2441C13-JAC-21-ZZ-DR-E-0103