

Onshore Standard Detail Drawings & Statutory Consultation Plans

May 2026

To assist with understanding these drawings
please see the **Guide to Consultation
Documents and Drawings**.

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01. Location Plans



01. Location Plans

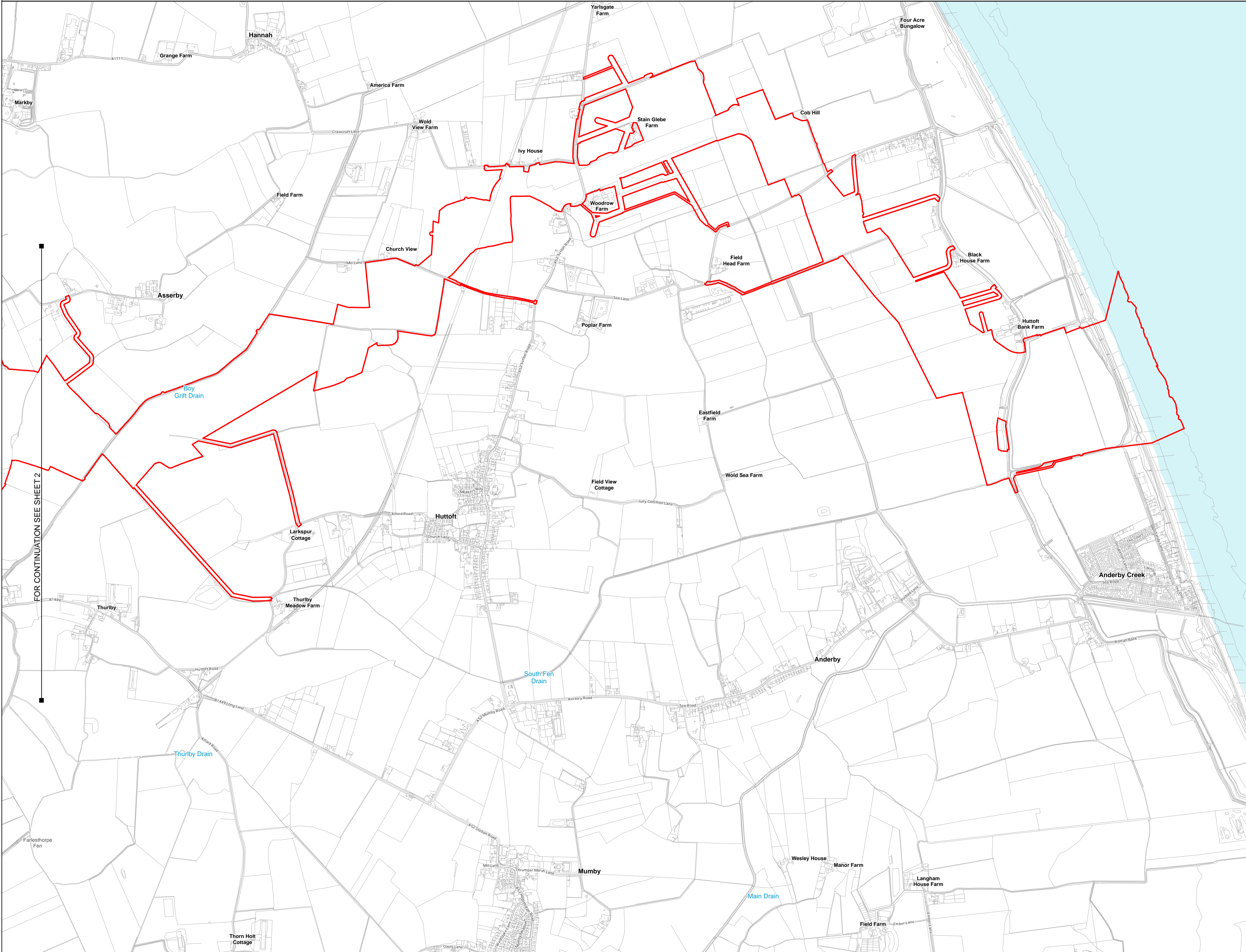
Drawing Category	Plan Title	Drawing Reference
Standard Detail Drawings & Statutory Consultation Plans		
Location Plans	Onshore Location Plan	118705-MMD-00-XX-DR-CE-0138
	Onshore Key Plan	118705-MMD-00-XX-DR-CE-0137

To assist with understanding these drawings please see the [Guide to Consultation Documents and Drawings](#).



EASTERN GREEN LINK (EGL) 5
DF2 DESIGN - ONSHORE LOCATION PLAN
SHEET 1 OF 4

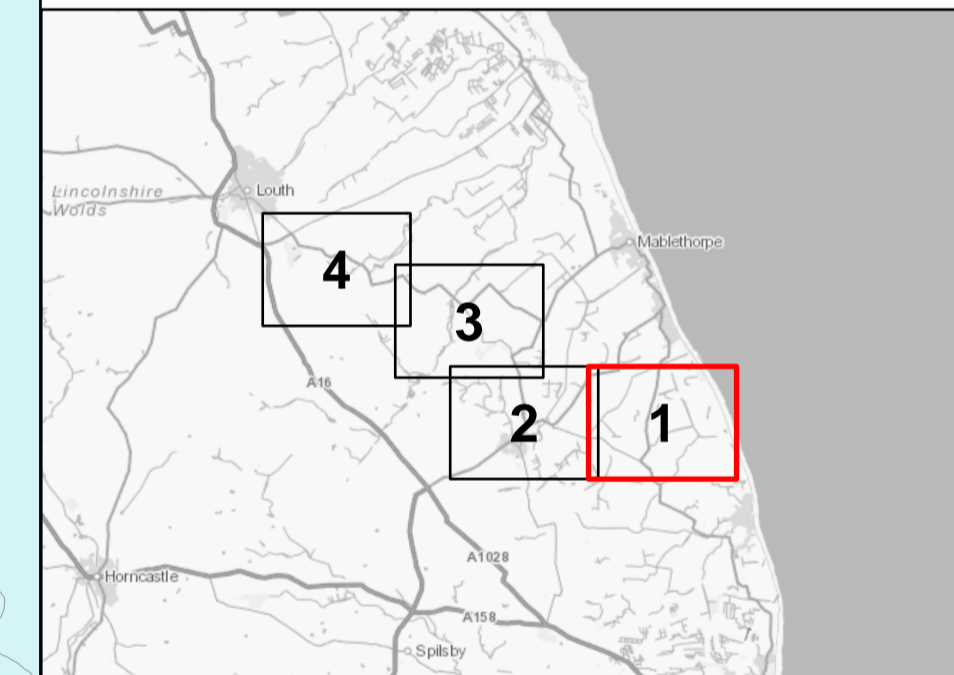
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- Draft Order Limits
 - Sheet outline



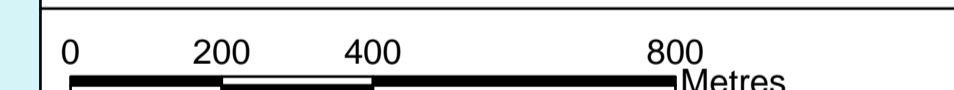
FOR CONTINUATION SEE SHEET 2

Notes

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P01	15/04/2026	FIRST ISSUE	CF	CK	JW

Title

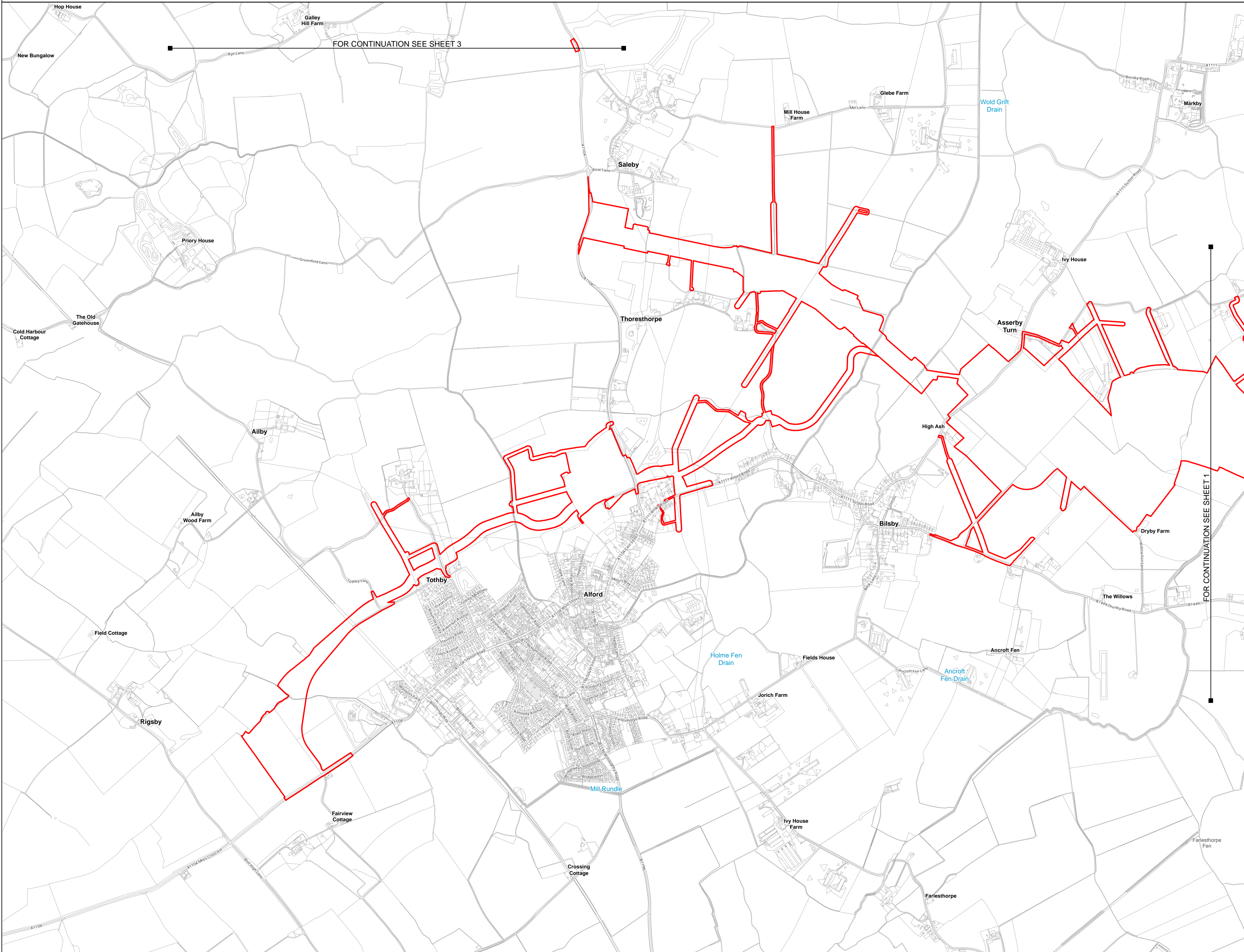
**EGL5
DF2 DESIGN
ONSHORE LOCATION PAN**

nationalgrid			
Application Number			
National Grid Drawing Reference			
118705-MMD-00-XX-DR-CE-0138			
Scale	Sheet Size	Sheet	Issue
1:10,000	A1	01 OF 04	P01



EASTERN GREEN LINK (EGL) 5
DF2 DESIGN - ONSHORE LOCATION PLAN
SHEET 2 OF 4

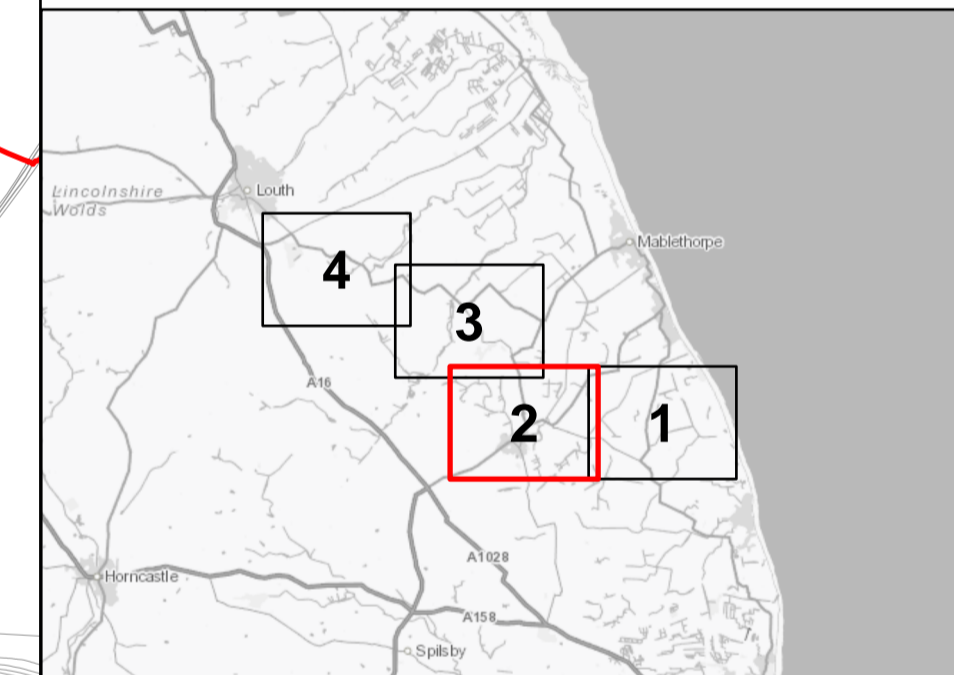
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 Sheet outline



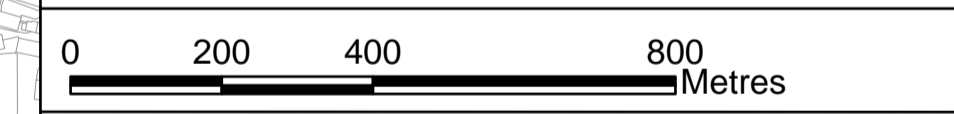
FOR CONTINUATION SEE SHEET 3

FOR CONTINUATION SEE SHEET 1

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 DF2 DESIGN
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Application Number
 -

National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0138

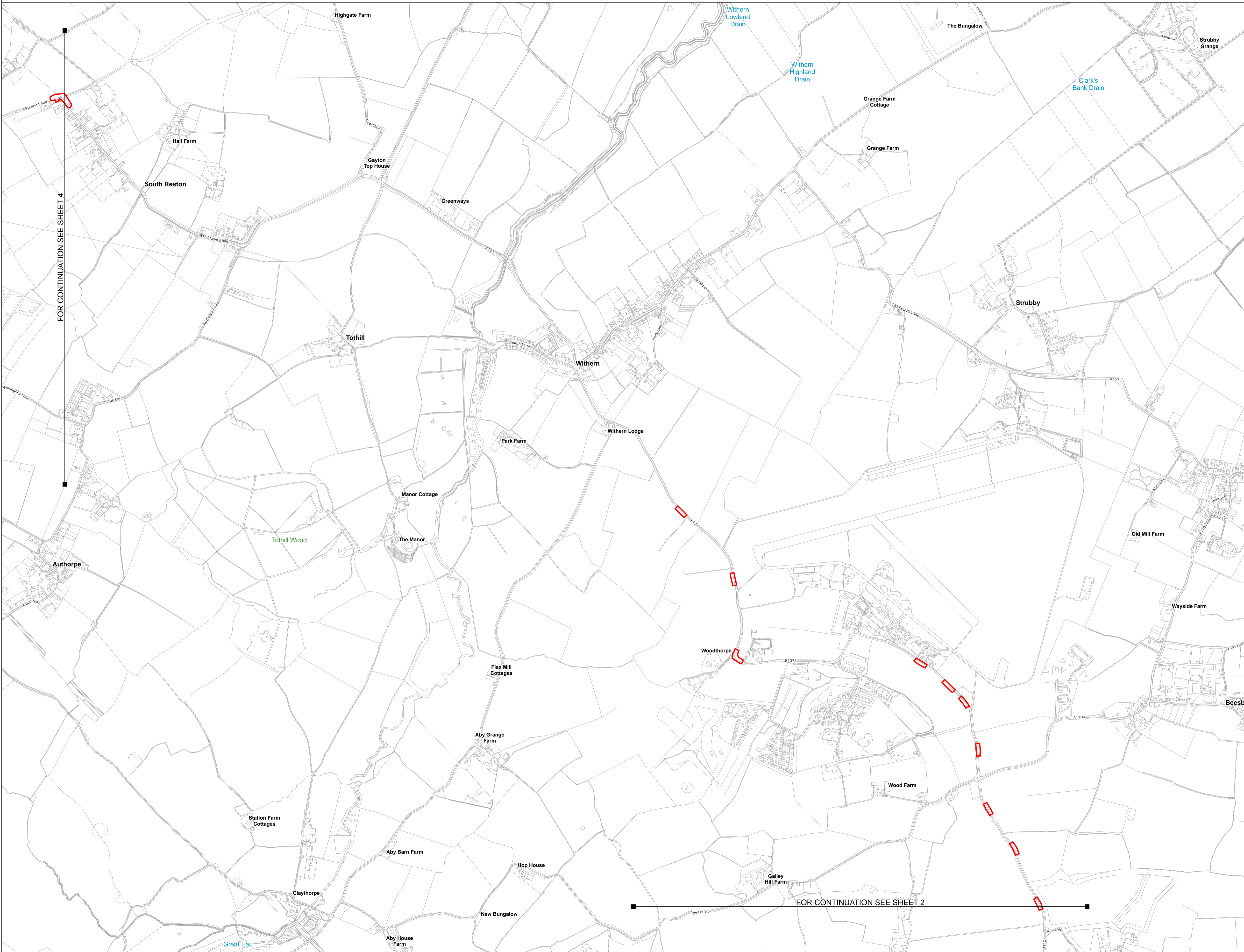
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DF2 DESIGN - ONSHORE LOCATION PLAN
SHEET 3 OF 4

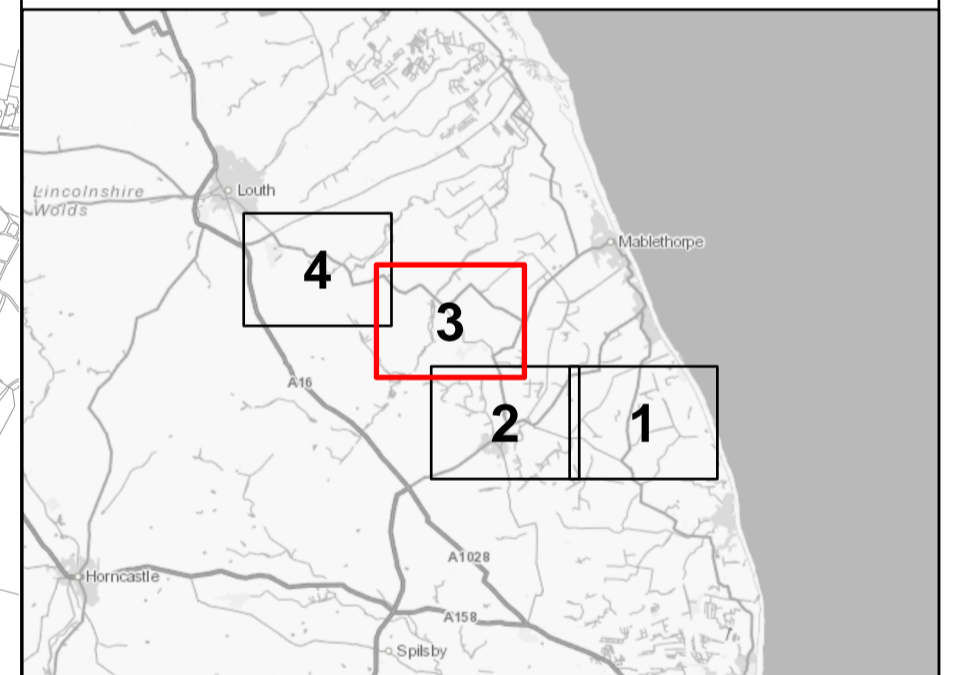
Legend

- Draft Order Limits
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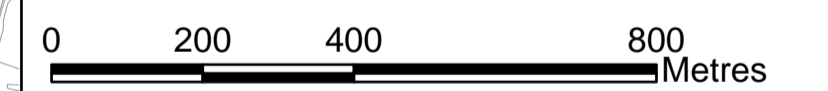


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Application Number

National Grid Drawing Reference

118705-MMD-00-XX-DR-CE-0138

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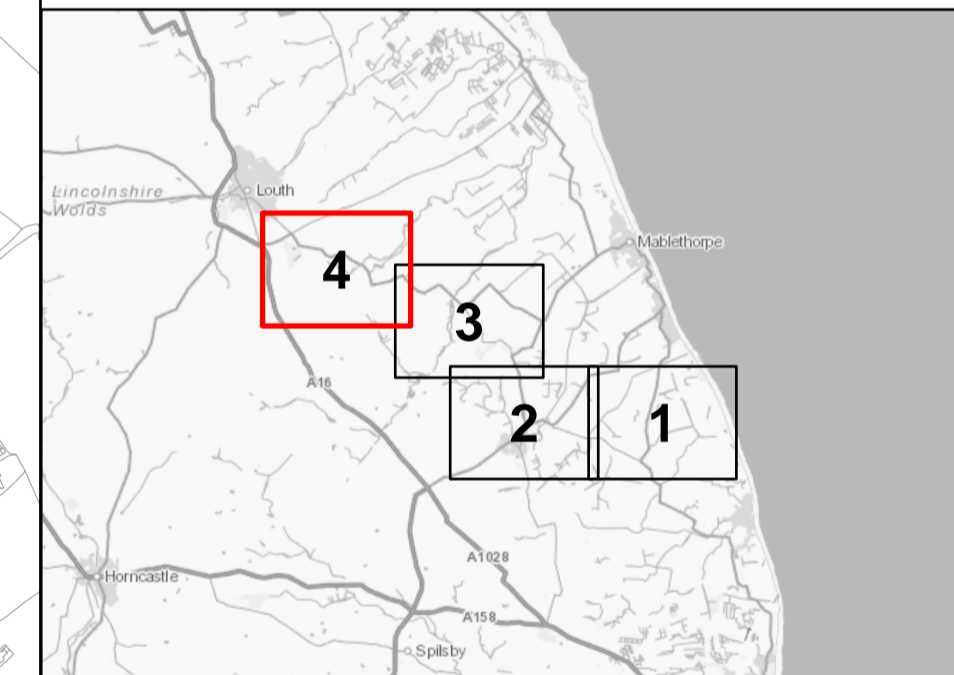
EASTERN GREEN LINK (EGL) 5
DF2 DESIGN - ONSHORE LOCATION PLAN
SHEET 4 OF 4

- Legend**
- Draft Order Limits
 - Sheet outline

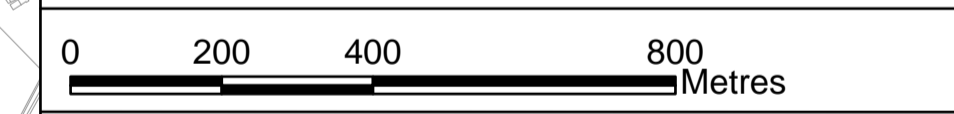


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**EGL5
DF2 DESIGN
ONSHORE LOCATION PAN**

nationalgrid

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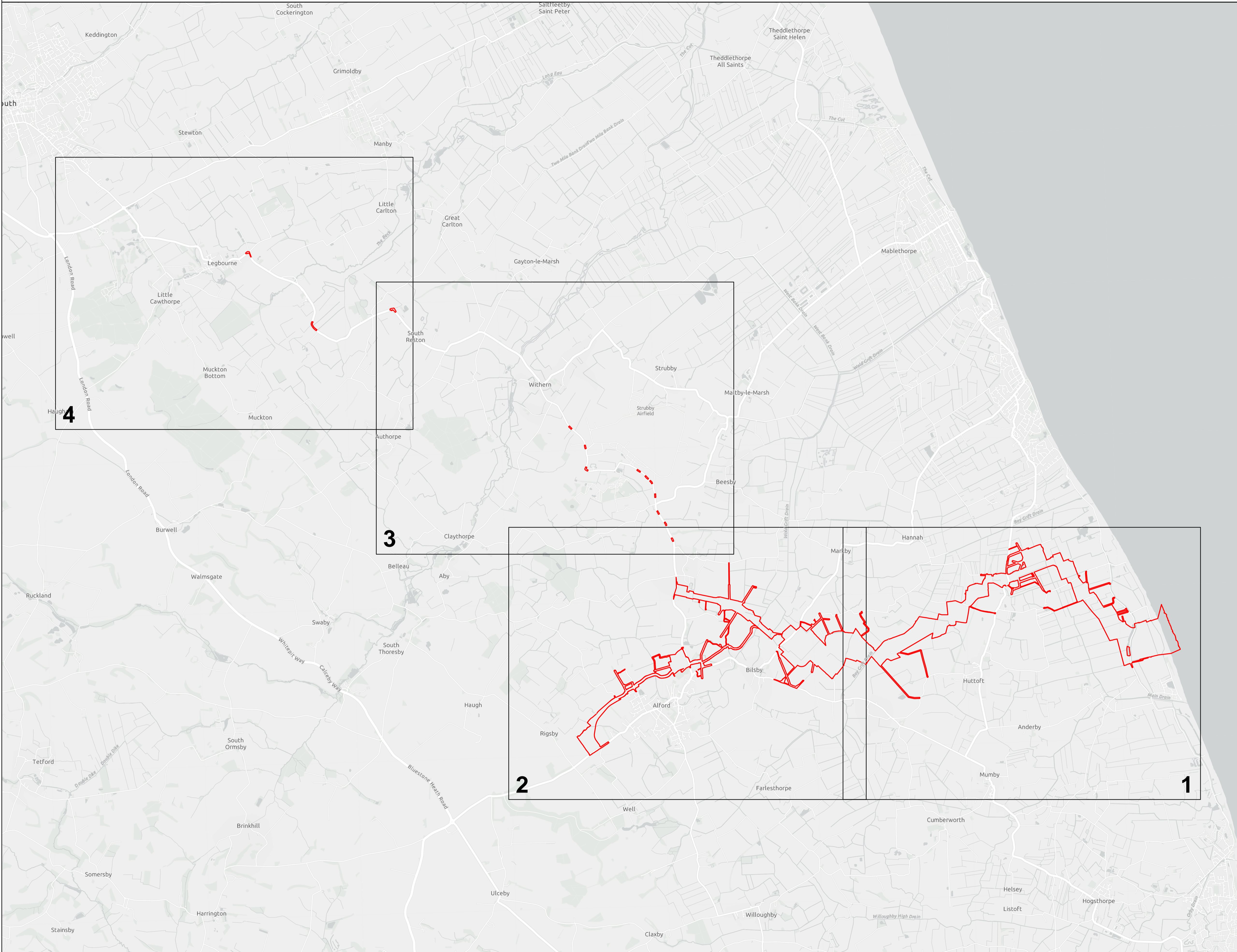
FOR CONTINUATION SEE SHEET 3



EASTERN GREEN LINK (EGL) 5
DF2 DESIGN - ONSHORE KEY PLAN
SHEET 1 OF 1

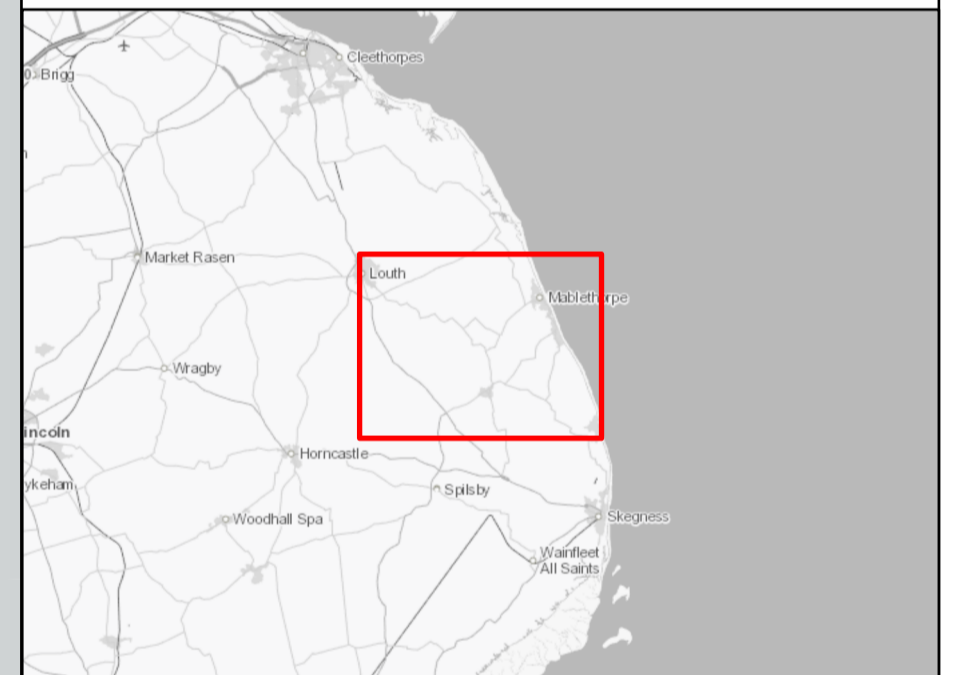
Legend

- Draft Order Limits
- Map sheet



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**EGL5
DF2 DESIGN
ONSHORE KEY PLAN**

Application Number

-

National Grid Drawing Reference

118705-MMD-00-XX-DR-CE-0137

Scale	Sheet Size	Sheet	Issue
1:35,000	A1	01 OF 01	P01

02. Onshore Scheme Plans

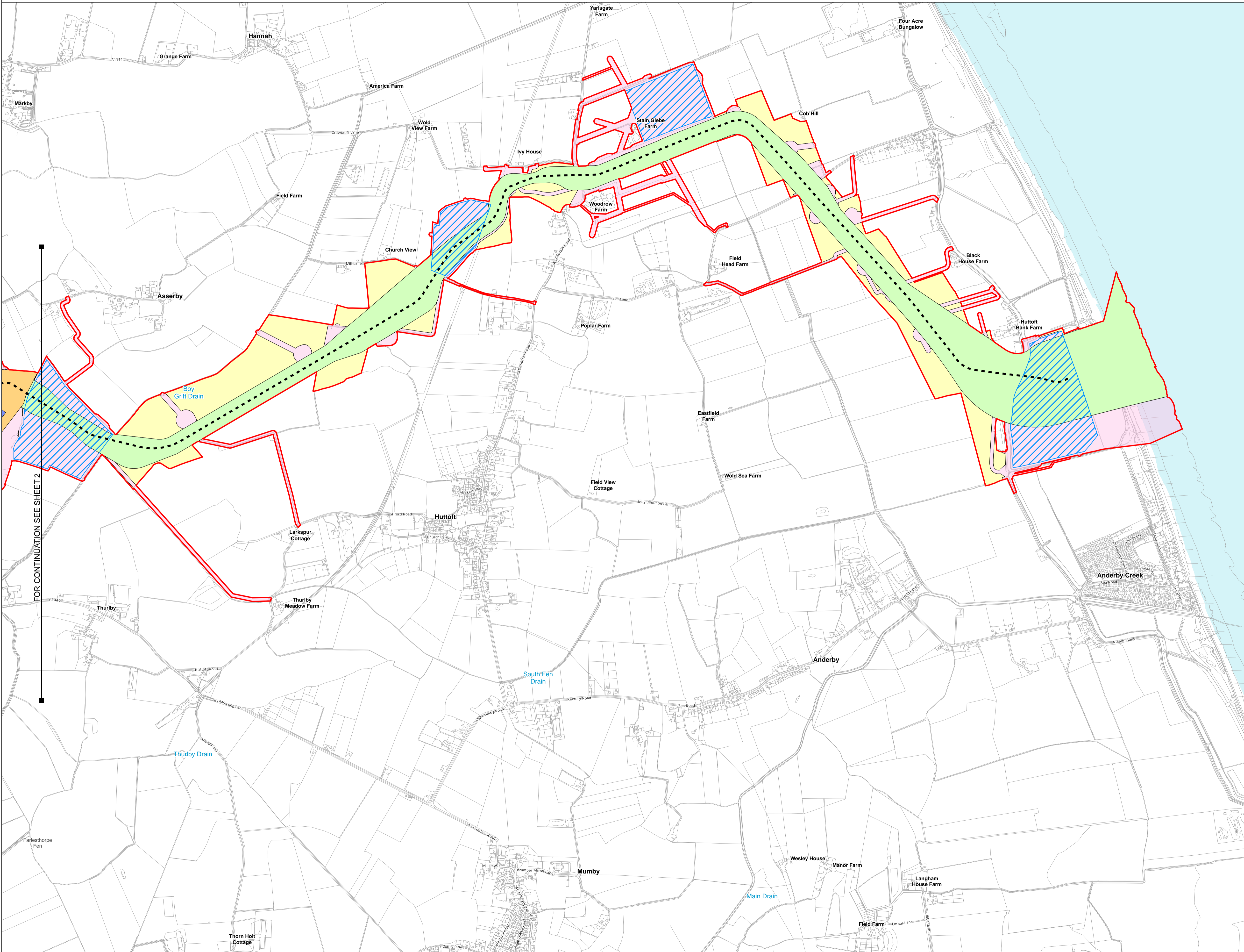
02. Onshore Scheme Plans

Drawing Category	Plan Title	Drawing Reference
Standard Detail Drawings & Statutory Consultation Plans		
Onshore Scheme Plans	English Onshore Scheme General Arrangement Plans	118705-MMD-00-XX-DR-CE-0140

To assist with understanding these drawings please see the **Guide to Consultation Documents and Drawings**.



EASTERN GREEN LINK (EGL) 5
DF2 DESIGN - ONSHORE GENERAL ARRANGEMENT PLAN
SHEET 1 OF 4



Legend

- Draft Order Limits
- Sheet outline
- Indicative cable route

Areas associated with underground cables

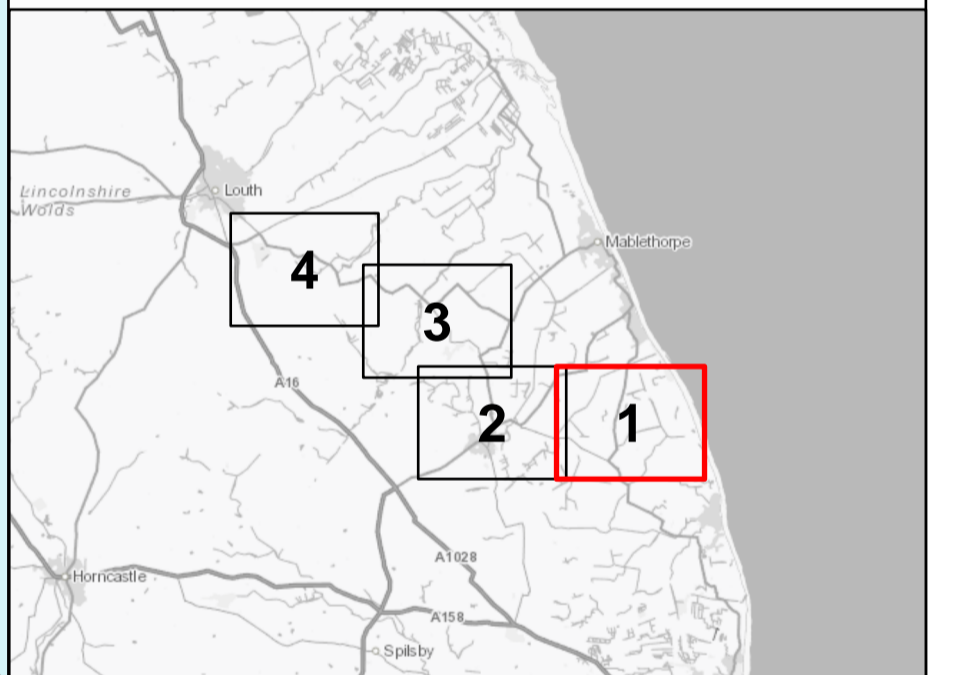
- Indicative zone for permanent underground cable assets
- Indicative zone for temporary construction compound
- Indicative zone for temporary construction works
- Indicative zone for land drainage mitigation works

Areas associated with the converter station

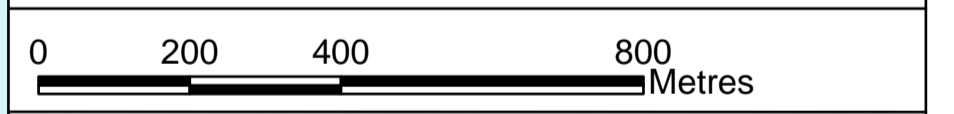
- Indicative converter station siting
- Indicative zone for converter station

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3. The indicative cable route shows the approximate alignment of the proposed underground cables. In most cases, these will be installed in ducts, laid within a shallow trench. However, at sensitive features, e.g. larger watercourses, trenchless methods of installation may be employed.
4. It is assumed that each area associated with the underground cable works also contains rights for the works in each area below it in the legend (for example, the indicative zone for underground cable assets may also contain construction compounds, or land drainage works, whereas the indicative zone for temporary construction works may include land drainage works but would not include underground cable assets).
5. It is assumed that the indicative zone for the converter station includes all rights related to the cable corridor (e.g. the area may also be used for underground cables, compounds, land drainage mitigation, etc.).
6. The indicative zone for temporary construction compounds indicates the area that a construction compound may be placed in. The compound(s) will be smaller than the area shown and sited within the allocated area.
7. The indicative zone for temporary construction works may include drainage, utility diversions, access easements, laydown of materials, storage of excavated material, welfare facilities, etc.
8. The indicative zone for land drainage mitigation works allocates additional areas that may be required to adequately reinstatement and/or modify existing land drainage networks following underground cable installation.



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Title

EGL5
DF2 DESIGN
ONSHORE GENERAL
ARRANGEMENT PLAN

Application Number

-

National Grid Drawing Reference

118705-MMD-00-XX-DR-CE-0140

Scale	Sheet Size	Sheet	Issue
1:10,000	A1	01 OF 04	P01



EASTERN GREEN LINK (EGL) 5
DF2 DESIGN - ONSHORE GENERAL ARRANGEMENT PLAN
SHEET 2 OF 4

Legend

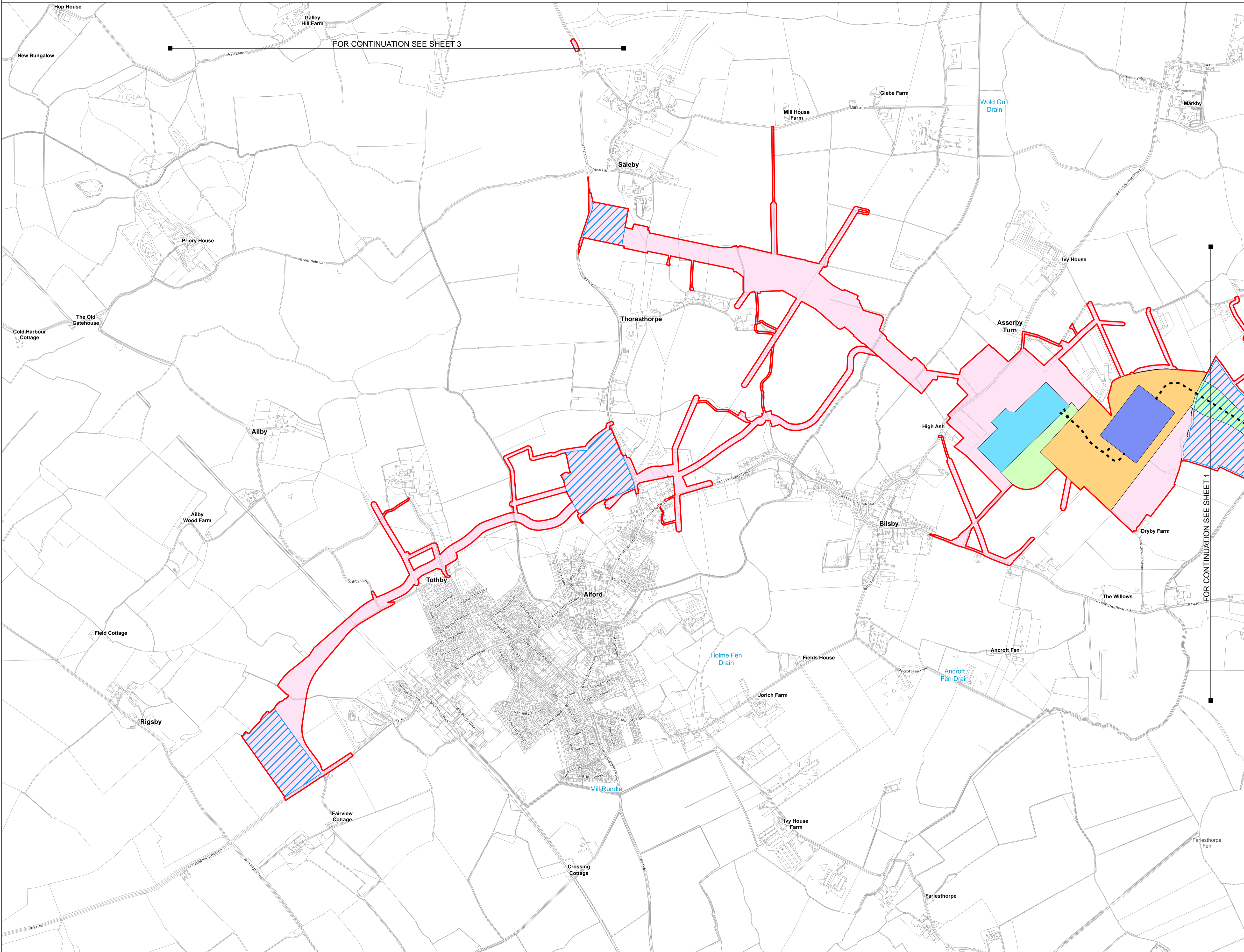
- Draft Order Limits
- Sheet outline
- Indicative cable route

Areas associated with underground cables

- Indicative zone for permanent underground cable assets
- Indicative zone for temporary construction compound
- Indicative zone for temporary construction works
- Indicative Lincolnshire Connection Substation B
- Indicative zone for land drainage mitigation works

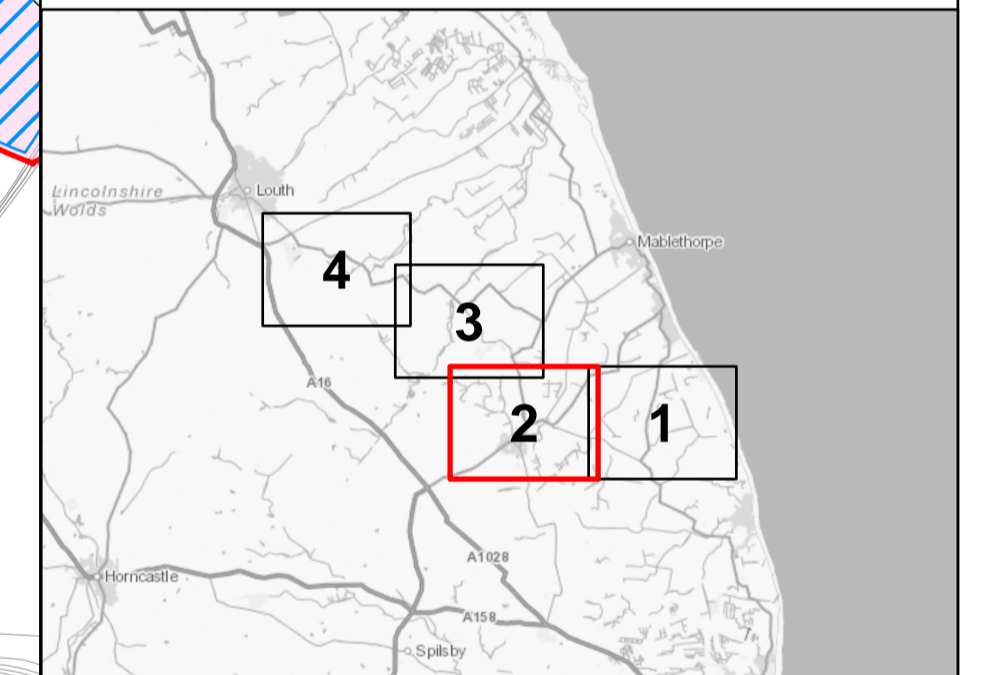
Areas associated with the converter station

- Indicative converter station siting
- Indicative zone for converter station

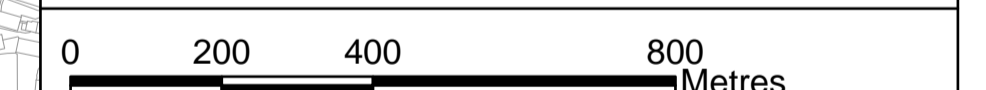


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DF2 DESIGN - ONSHORE GENERAL ARRANGEMENT PLAN
SHEET 3 OF 4

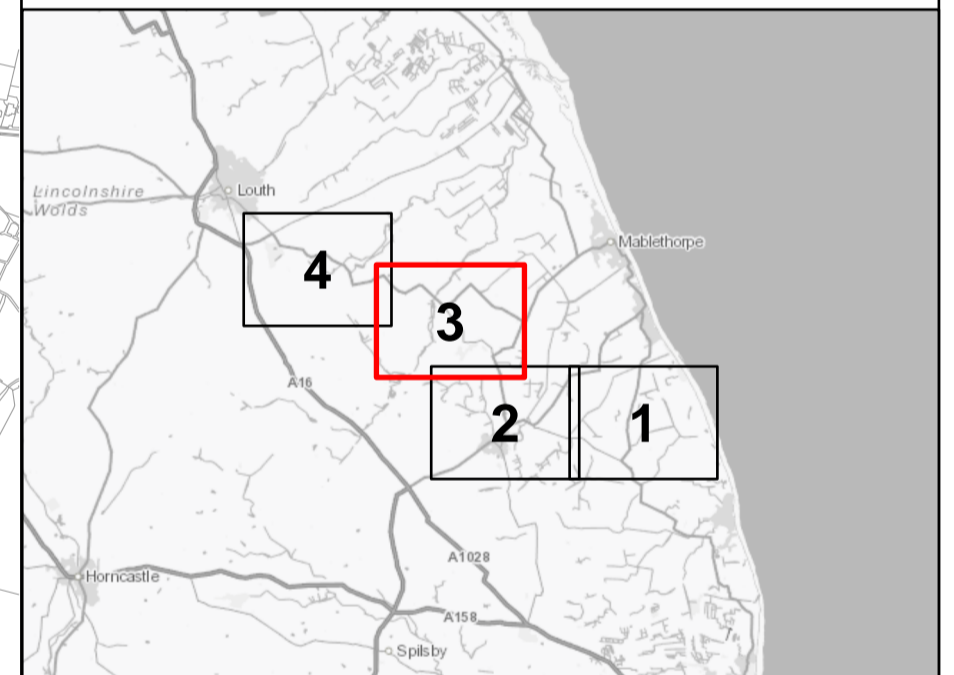
Legend

- Draft Order Limits
- Sheet outline
- Areas associated with underground cables**
- Indicative zone for temporary construction works

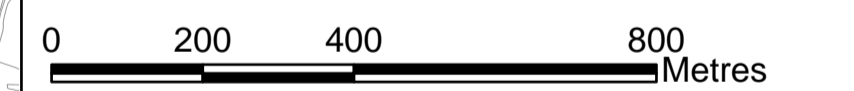


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SHEET 4 OF 4

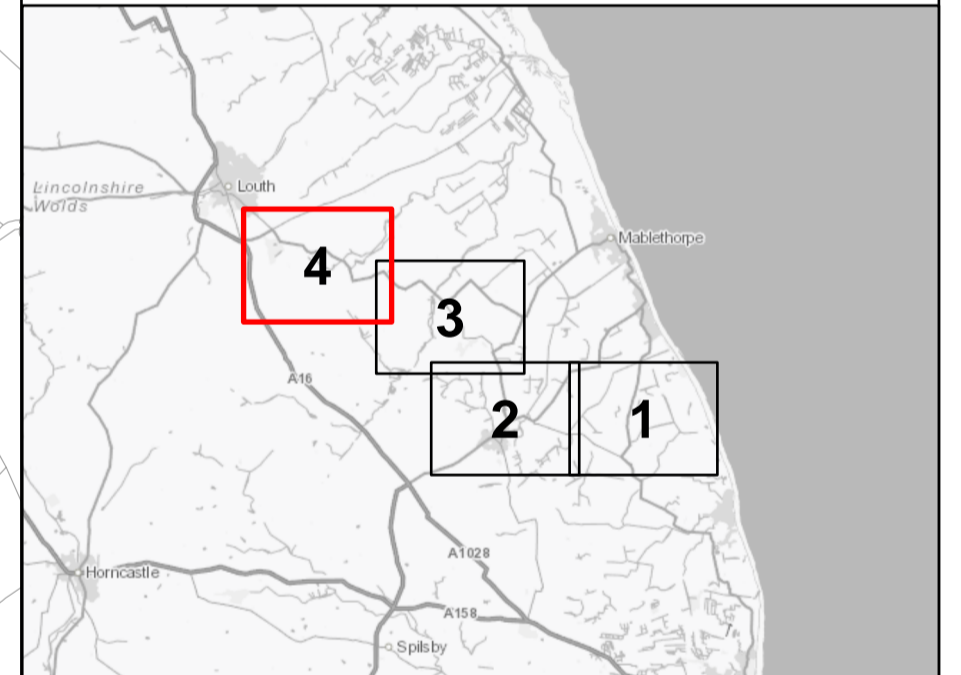
Legend

- Draft Order Limits
- Sheet outline
- Areas associated with underground cables**
- Indicative zone for temporary construction works



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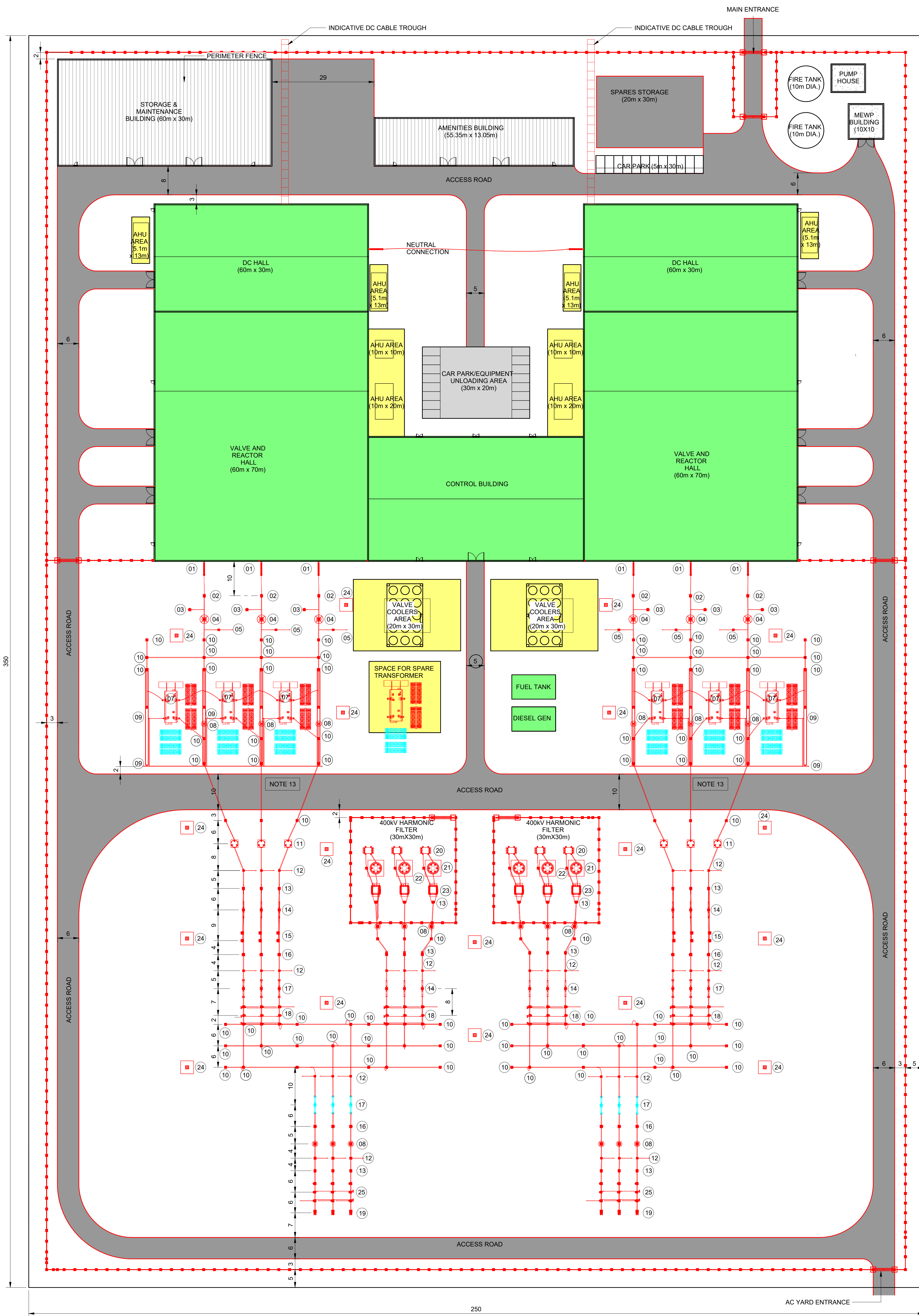
03. Onshore Scheme Construction and Design Drawings - Converter Station

03.Onshore Scheme Construction and Design Drawings - Converter Station

Drawing Category	Plan Title	Drawing Reference
Standard Detail Drawings & Statutory Consultation Plans		
Onshore Scheme Construction and Design Drawings - Converter Station	Converter Station - Indicative Layout Plans	118705-MMD-00-XX-DR-EE-0084 &118705-MMD-00-XX-DR-EE-0112

To assist with understanding these drawings please see the [Guide to Consultation Documents and Drawings](#).

THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL



MINIMUM ELECTRICAL CLEARANCES IN ACCORDANCE WITH NG TS 2.1 & TG(NIE) 186

NOMINAL SYSTEM VOLTAGE	PHASE TO EARTH	PHASE TO PHASE	SAFETY DISTANCE (FROM NATIONAL GRID SAFETY RULES)	DESIGN CLEARANCE FOR SAFETY (VERTICAL) Dsh	DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) Dsh	INSULATION HEIGHT in
400	2.8	3.6	3.1	5.5	4.6	2.4

NOMINAL SYSTEM VOLTAGE	PHASE TO EARTH	PHASE/POLE TO PHASE/POLE
525 +/-	4	6

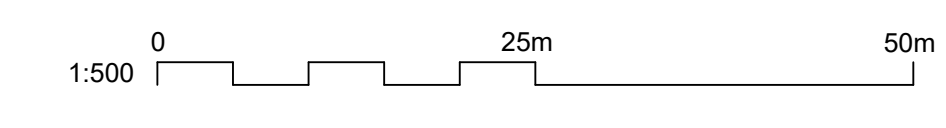
- Legend
- PROPOSED EQUIPMENT
 - BUILDINGS
 - EXTERNAL EQUIPMENT AREAS
 - CAR PARK
 - ACCESS ROAD
 - NEW EQUIPMENT, SHOWN FOR SPATIAL PROVISIONING ONLY
 - AMENITIES & STORAGE/MAINTENANCE BUILDING

Equipment Schedule

Item	Description
01	AIR BUSHING WALL PENETRATION
02	550KV CURRENT TRANSFORMER
03	550KV AIS CAPACITIVE VOLTAGE TRANSFORMER
04	550KV AIS SURGE ARRESTOR
05	550KV AIS EARTH SWITCH
06	550KV POST INSULATOR
07	400KV IPI TRANSFORMER (35MVA)
08	400KV AIS SURGE ARRESTOR
09	11KV POST INSULATOR
10	400KV AIS POST INSULATOR
11	400KV FLC FILTER - REACTOR
12	400KV AIS EARTH SWITCH
13	400KV CURRENT TRANSFORMER
14	400 kV CIRCUIT BREAKER
15	400KV FIRE-INSERTION RESISTOR
16	400KV CAPACITIVE VOLTAGE TRANSFORMER
17	400KV CIRCUIT BREAKER
18	400KV DISCONNECTOR WITH 2 EARTH SWITCH
19	400KV CABLE SEALING END
20	400KV HARMONIC FILTER - RESISTOR
21	400KV HARMONIC FILTER - REACTOR
22	400KV HARMONIC FILTER - SURGE ARRESTOR
23	400KV HARMONIC FILTER - CAPACITOR
24	LIGHTNING MAST
25	400KV DISCONNECTOR WITH 1 EARTH SWITCH

- Notes
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTS AND DRAWINGS
 - NO UNAUTHORISED DISCLOSURE, STORAGE OR COPYING
 - THIS LAYOUT IS INDICATIVE ONLY. THE FOLLOWING ASPECTS SHALL BE CONSIDERED WHEN DEVELOPING THE DESIGN:
 - MAGNETIC CLEARANCE FROM THE AIR CORE REACTORS
 - FIRE SUPPRESSION SYSTEM
 - PEDESTRIAN ACCESS REQUIREMENT TO EQUIPMENT BUILDING
 - LIGHTNING PROTECTION
 - THE EQUIPMENT APPEARANCE AND SIZE SHOWN ARE INDICATIVE ONLY
 - THE FOLLOWING FENCING REQUIREMENTS HAVE BEEN ASSUMED:
 - INTERNAL FENCE: 2.4M HIGH NON-ELECTRICAL FENCE
 - PERIMETER FENCE: 2.4M HIGH PHYSICAL MESH/PALISADE BARRIER WITH ELECTRIC PULSE FENCE
 - OVERALL HVDC CONVERTER STATION FOOTPRINT IS 8.75 HECTARES (87500SQM)
 - CONSIDERATION SHOULD BE GIVEN TO THE FOLLOWING AREAS IN DETERMINING THE OVERALL PLOT SIZED LINE BOUNDARY:
 - EXTERNAL CABLE ROUTE CORRIDORS
 - EARTHWORKS SLOPES
 - DRAINAGE AND ATTENUATION POND(S)
 - EXTERNAL LANDSCAPING / SCREENING / PLANTING
 - SITE ACCESS/EGRESS
 - PHASING TO BE INCLUDED AND CONFIRMED.
 - DELIVERY/REPLACEMENT/MOVEMENT OF TRANSFORMERS IS ASSUMED TO BE DONE BY USING SPMTs.
 - THE +VE AND -VE POLE CABLES ARE ASSUMED TO EXIT THE SITE SEPARATELY AND THEIR ROUTES WILL BE MERGED OUTSIDE THE CONVERTER STATION BOUNDARY.
 - TRANSFORMER SPACING ASSUMES THE USE OF ESTER OIL TRANSFORMERS.
 - BUSBAR SPANS ACROSS ROADS AND OTHER LONGER SPANS ARE SHOWN INDICATIVELY AT THIS DESIGN STAGE. MAXIMUM SPAN SHALL CONSIDER OEM EQUIPMENT REQUIREMENTS AT DETAILED DESIGN STAGE AND POST INSULATOR POSITIONING SHALL BE ACCOMMODATED ACCORDINGLY.

CONVERTER STATION OUTLINE LAYOUT
 1: 500



Rev	Date	Remarks	Drawn	Checked	Approved
P02	16/03/2026	Equipment Added/Removed	SM	CK	GS
P01	11/09/2026	Final Issue - DF 1.5	JS	CK	GS

THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL 5 TYPICAL CONVERTER STATION OUTLINE LAYOUT

nationalgrid

Application Number: _____

National Grid Drawing Reference: 118705-AMD-00-XX-DR-EE-0084

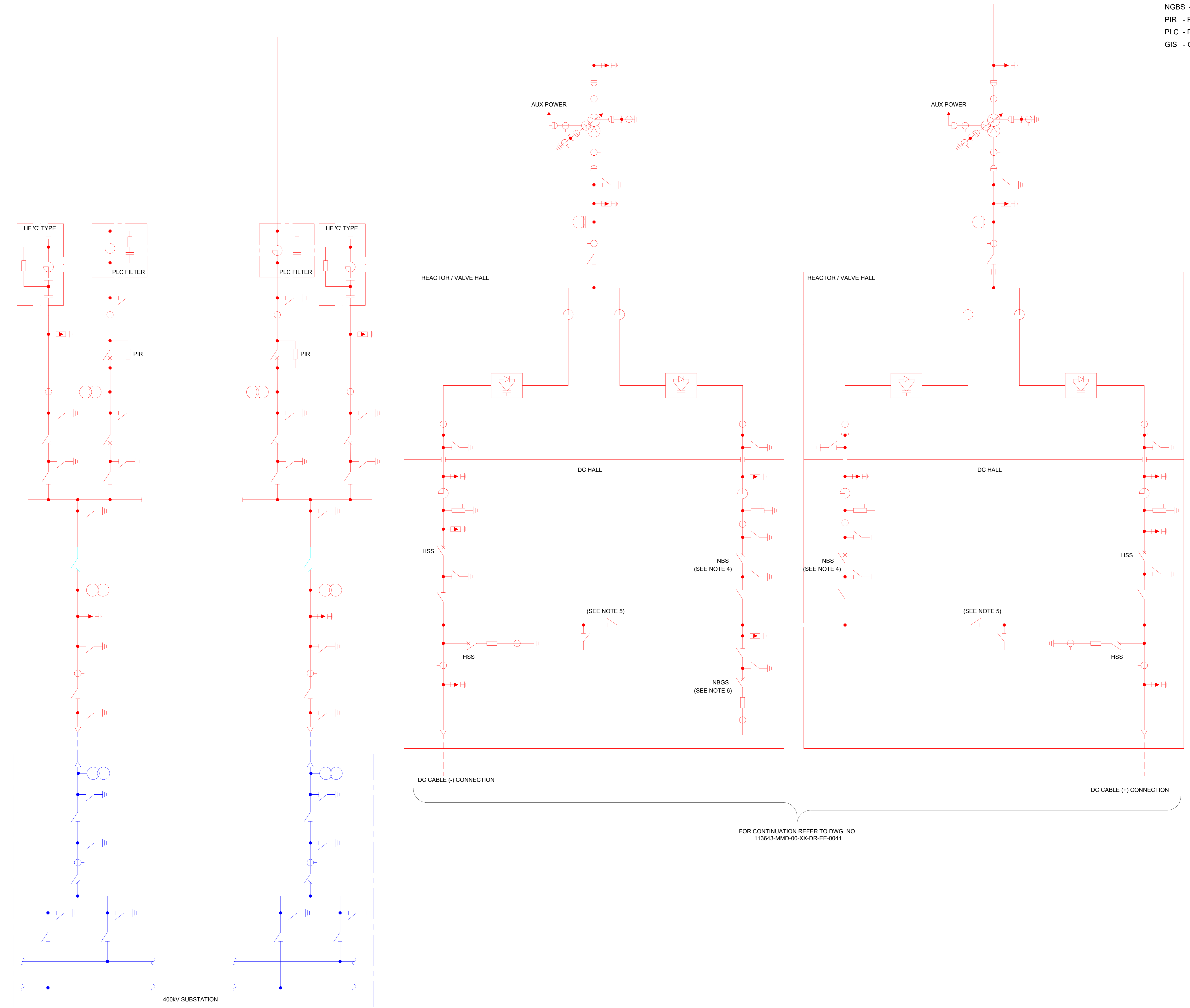
Date	Sheet Size	Sheet	Total
1:500	A0	SHEET 1 OF 1	P02

THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION , SHEET OF
 XXXX COUNCIL

ACRONYMS :
 HF - HARMONIC FILTER
 HSS - HIGH SPEED SWITCH
 NBS - NEUTRAL BUS SWITCH
 NGBS - NEUTRAL GROUND BUS SWITCH
 PIR - PRE INSERTION RESISTOR
 PLC - POWER LINE CARRIER
 GIS - GAS INSULATED SWITCHGEAR

Legend

- EXISTING EQUIPMENT
- NEW EQUIPMENT
- NEW EQUIPMENT, SHOWN FOR SPATIAL PROVISIONING ONLY
- NEW, BY OTHERS
- CIRCUIT BREAKER
- DISCONNECTER
- CAPACITIVE VOLTAGE TRANSFORMER
- EARTH SWITCH
- SURGE ARRESTER
- CURRENT TRANSFORMER
- INDUCTIVE VOLTAGE TRANSFORMER
- CONVERTER TRANSFORMER
- CABLE CIRCUIT
- AIR / OIL INTERFACE
- VALVE / HALF BRIDGE
- DC VOLTAGE DIVIDER
- RESISTOR
- CAPACITOR
- REACTOR
- WALL BUSHING
- CHANGE FROM 3 PH TO 1 PH
- CABLE SEALING END



Notes

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTS & DRAWINGS.
2. THIS DRAWING IS FOR INFORMATION ONLY AND IS INTENDED TO PROVIDE A BASIS FOR DISCUSSION.
3. NO UNAUTHORIZED DISCLOSURE, STORAGE OR COPYING.
4. NBS WOULD BE REQUIRED TO FACILITATE FAST RECONFIGURATION.
5. DISCONNECTORS WOULD BE REQUIRED TO BE REPLACED WITH HIGH SPEED SWITCHES TO FACILITATE FAST RECONFIGURATION.
6. NBS IS AN OPTIONAL EQUIPMENT.
7. DESIGN IS ILLUSTRATIVE AND DRAWN FOR THE PURPOSES OF INFORMATION. THE DESIGN OF THE AC/DC CONVERTER AND DC SIDE SYSTEM IS SUBJECT TO THE OEM DESIGN.
8. PROJECT-SPECIFIC DESIGN INFORMATION OR EQUIPMENT SUCH AS SURGE ARRESTERS, MEASURING TRANSFORMERS, ETC. MIGHT NOT BE FULLY SHOWN AND TO BE INCLUDED (AS PER DETAILED DESIGN) IN THE DETAILED SINGLE LINE DIAGRAM.
9. 400KV SUBSTATION IS BEING DESIGNED BY OTHERS AND BAYS TO BE CONFIRMED AT A LATER DATE.
10. HARMONIC FILTER IS INDICATIVE FOR INFORMATION AND SUBJECT TO SITE SPECIFIC POWER SYSTEMS ASSESSMENT AND DESIGN

Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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P01	11/03/2025	First Issue	BM	DM	PF
Issue	Date	Remarks	Drawn	Checked	Approved

Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 CONVERTER STATION SLD

nationalgrid

Application Number

National Grid Drawing Reference
 118705-MMD-00-XX-DR-EE-0112

Scale	Sheet Size	Sheet	Issue
N.T.S.	A0	SHEET 1 OF 1	P01

FOR CONTINUATION REFER TO DWG. NO.
 113643-MMD-00-XX-DR-EE-0041

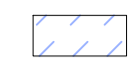










04. Onshore Scheme Construction and Design Drawings - Cables

04. Onshore Scheme Construction and Design Drawings - Cables

Drawing Category	Plan Title	Drawing Reference
Standard Detail Drawings & Statutory Consultation Plans		
Onshore Scheme Construction and Design Drawings - Cables	Typical HVDC Joint Bays	118705-MMD-00-XX-DR-CE-0040
	Typical HVAC Joint Bays	118705-MMD-00-XX-DR-CE-0041
	Typical Joint Bay	118705-MMD-00-XX-DR-CE-0042
	Typical Water Crossing Detail - HVDC Cables	118705-MMD-00-XX-DR-CE-0043
	Typical Road Crossing Detail - HVDC Cables	118705-MMD-00-XX-DR-CE-0044
	Typical Water Crossing Detail - HVAC Cables	118705-MMD-00-XX-DR-CE-0045
	Typical Staged Ducted Road Crossing	118705-MMD-00-ZZ-DR-CE-0056

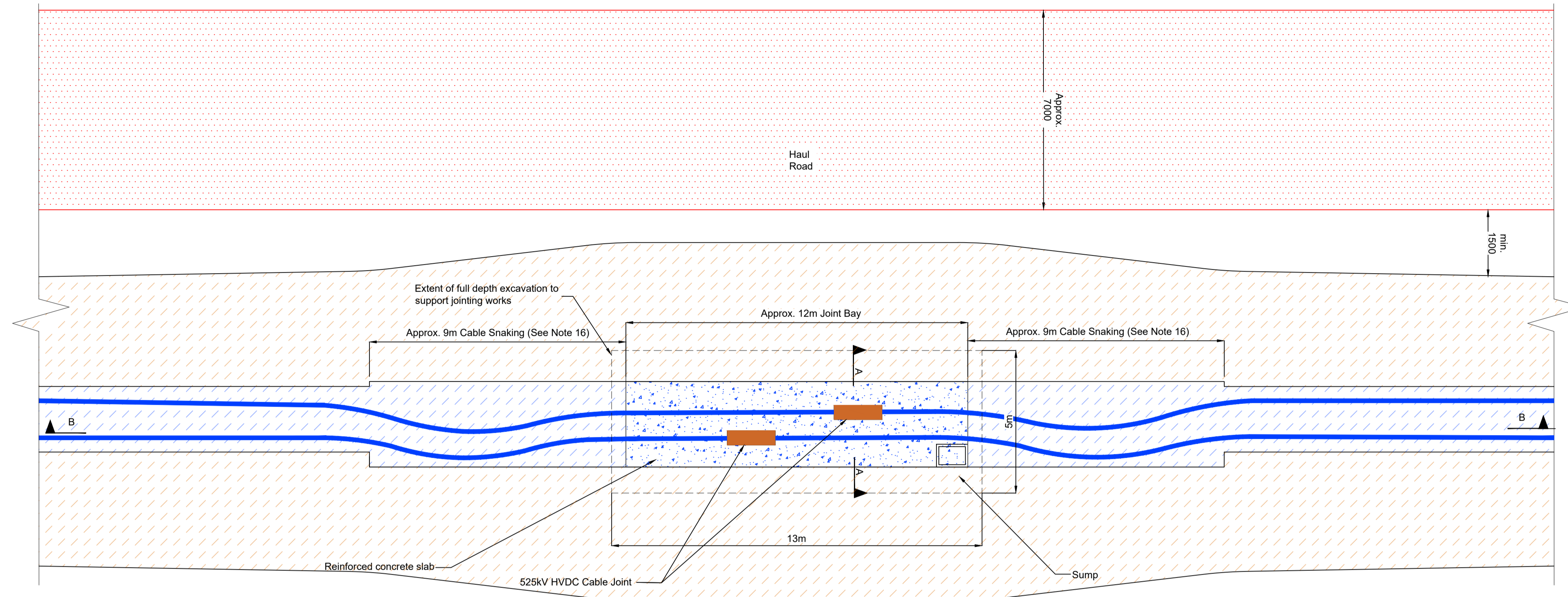
To assist with understanding these drawings please see the [Guide to Consultation Documents and Drawings](#).

Legend

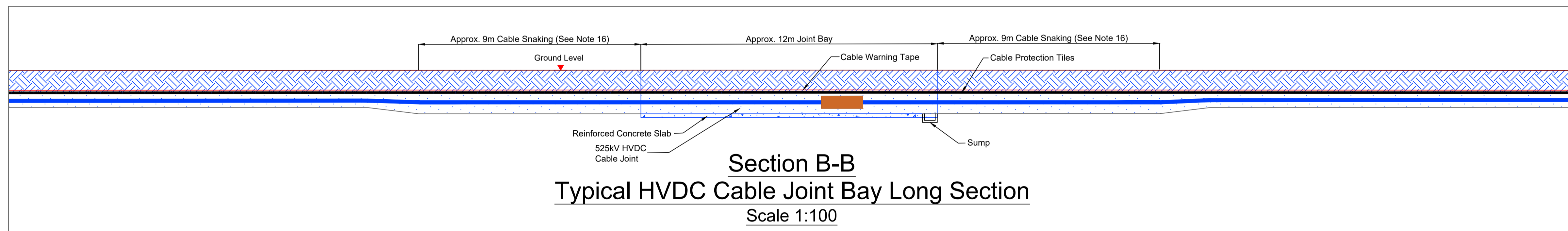
-  Trench
-  Splayed excavation
-  Concrete
-  Temporary Haul Road
-  Well-compacted thermally suitable backfill (Trench)
-  Thermally suitable cable surround (Trench)
-  Well-compacted thermally suitable backfill (Splayed excavation)
-  Thermally suitable cable surround (Splayed excavation)
-  HVDC Cable (cable ducts not shown, see note 7)
-  Cable protection tiles
-  Cable Warning Tape

Notes

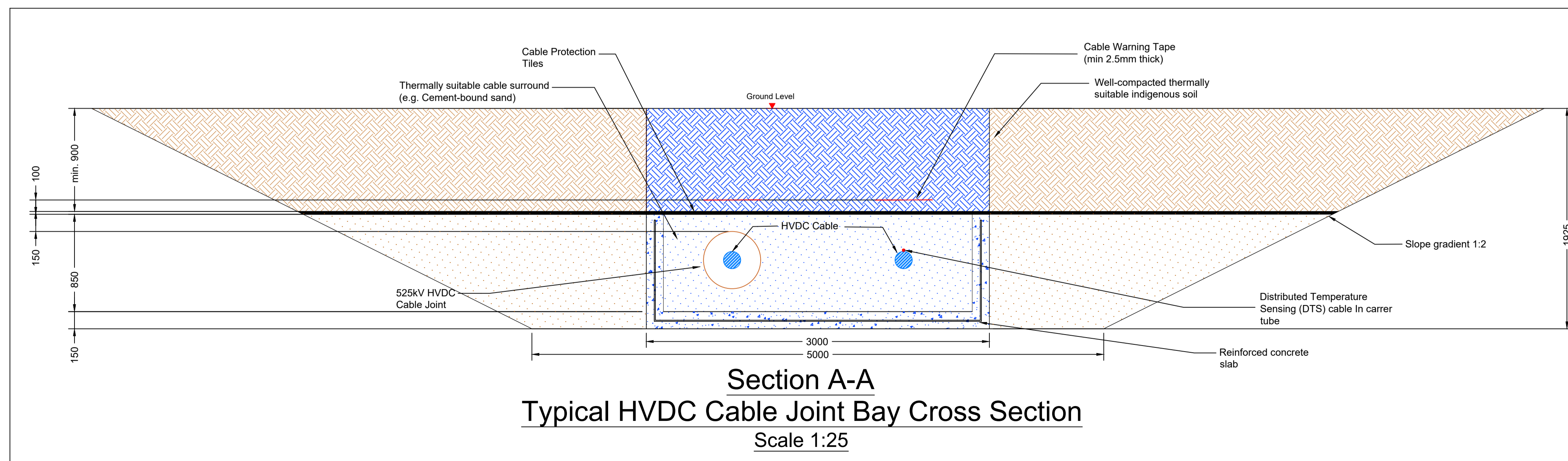
1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation requirements.
6. Requirement for DTS/DAS to be agreed.
7. Refer to drawing 118705-MMD-00-XX-DR-CE-0003 for typical ducted HVDC cable installation and construction swathe.
8. Earthmat may be required. Currently not included on drawing.
9. Joint bay arrangement and depth subject to cable manufacturer specification.
10. The design and installation of HV cables and ducts shall be in accordance with relevant national design standards and National Grid technical specifications.
11. Joint supports not shown. These are based on manufacturer's requirements.
12. Cable arrangements shown indicatively. Minimum cover from the edge of cables to the side of the joint bay to be 500mm.
13. Cable Snaking (See Note 16) has been shown to manage thermo mechanical forces. Additional length of cable to be provided to allow for remaking of the joint in the event of a test failure.
14. A jointing container or tent will be required above ground for the duration of the jointing works. The types of shelter should be confirmed at a later stage.
15. For sheath earthing refer to TS 3.05.16
16. For Cable Snaking (See Note 16) the minimum radius should be 30 times the diameter of the cable, noting that larger radii are preferable.



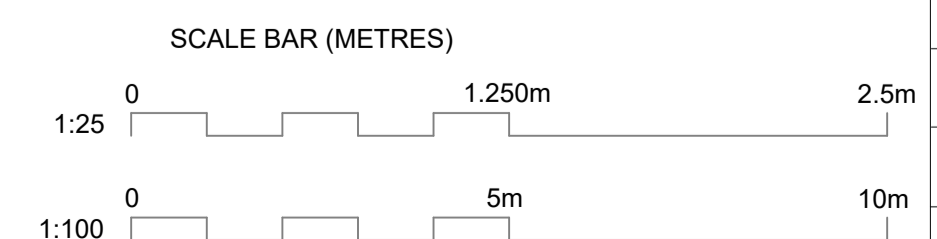
Typical HVDC Cable Joint Bay Layout
 Scale 1:100



Section B-B
Typical HVDC Cable Joint Bay Long Section
 Scale 1:100



Section A-A
Typical HVDC Cable Joint Bay Cross Section
 Scale 1:25



Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P03	15/04/2026	Third Issue	ZZ	CK	JW
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 HVDC TYPICAL JOINT BAY

nationalgrid

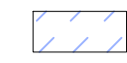














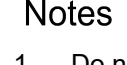
Application Number

National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0040

Scale	Sheet Size	Sheet	Issue
AS SHOWN	A1	SHEET 1 OF 1	P03

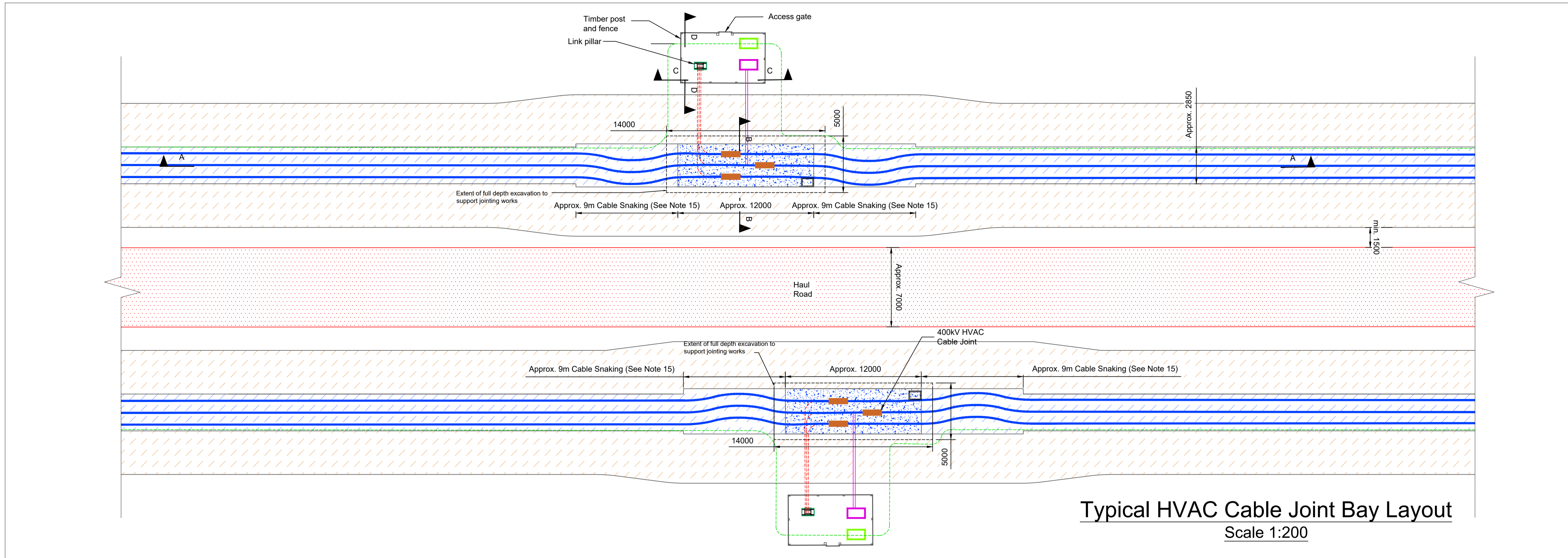
THE NATIONAL GRID (TBC) ORDER
XXXXXXXXXXXX
(REGULATION XXXX)
SECTION, SHEET OF
XXXX COUNCIL

Legend

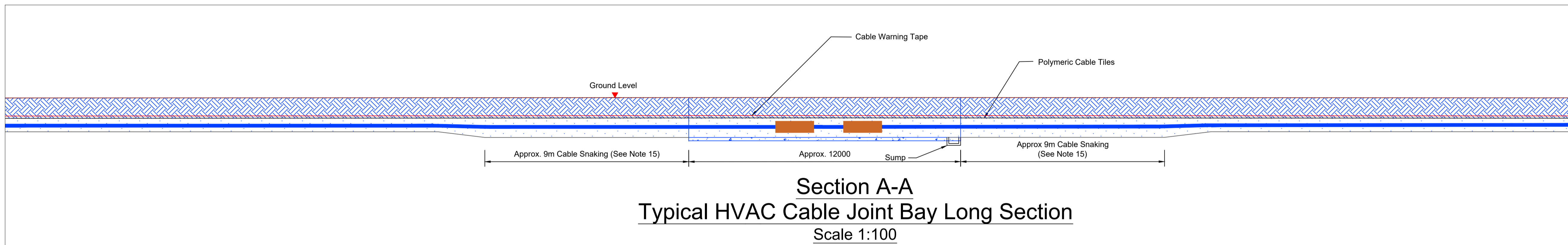
-  Trench
-  Splayed excavation
-  Concrete
-  Temporary Haul Road
-  Well-compacted thermally suitable backfill (Trench)
-  Thermally suitable cable surround (Trench)
-  Well-compacted thermally suitable backfill (Splayed excavation)
-  Thermally suitable cable surround (Splayed excavation)
-  HVAC Cable (cable ducts not shown, see note 7)
-  Cable protection tiles
-  Cable Warning Tape
-  Bonding Cable
-  Telecommunication Chamber
-  DTS Loop
-  DTS Cables
-  Communication Cable Duct

Notes

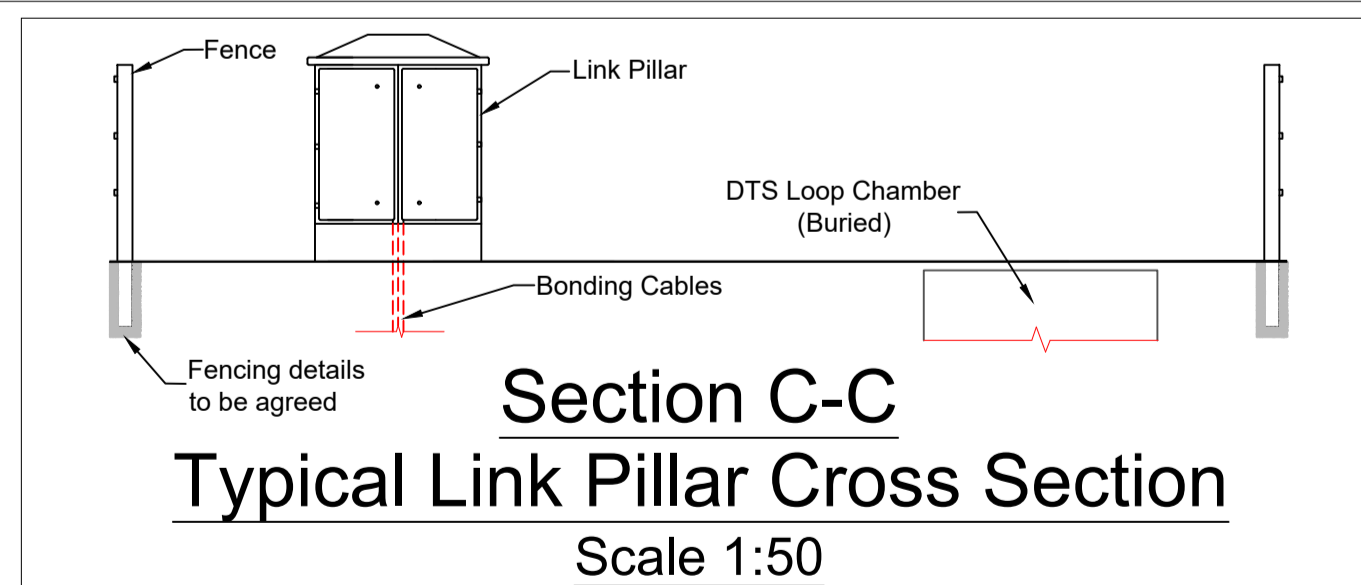
1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation requirements.
6. Requirement for DTS/DAS and/or Communication cables to be agreed.
7. Refer to drawing 118705-MMD-00-XX-DR-CE-0004 for typical ducted HVDC cable installation and construction swathe.
8. Earthmat may be required. Earthing requirements not included in the drawing.
9. Comms cable/duct currently shown indicatively on drawing. Details, requirements and position to be agreed at later stage of design.
10. Joint bay arrangement and depth subject to cable manufacturer specification.
11. The design and installation of HV cables and ducts shall be in accordance with relevant national design standards and National Grid technical specifications.
12. Joint supports not shown. These are based on manufacturer's requirements.
13. Cable Snaking has been shown to manage thermo mechanical forces. Additional length of cable to be provided to allow for remaking of the joint in the event of a test failure.
14. A jointing container or tent will be required above ground for the duration of the jointing works. The types of shelter should be confirmed at a later stage.
15. At joint bay locations, there is the potential for the cables to cross the haul road so that the joint bays can be co-located in order to reduce land take.
16. For Cable Snaking the minimum radius should be 30 times the diameter of the cable, noting that larger radii are preferable.



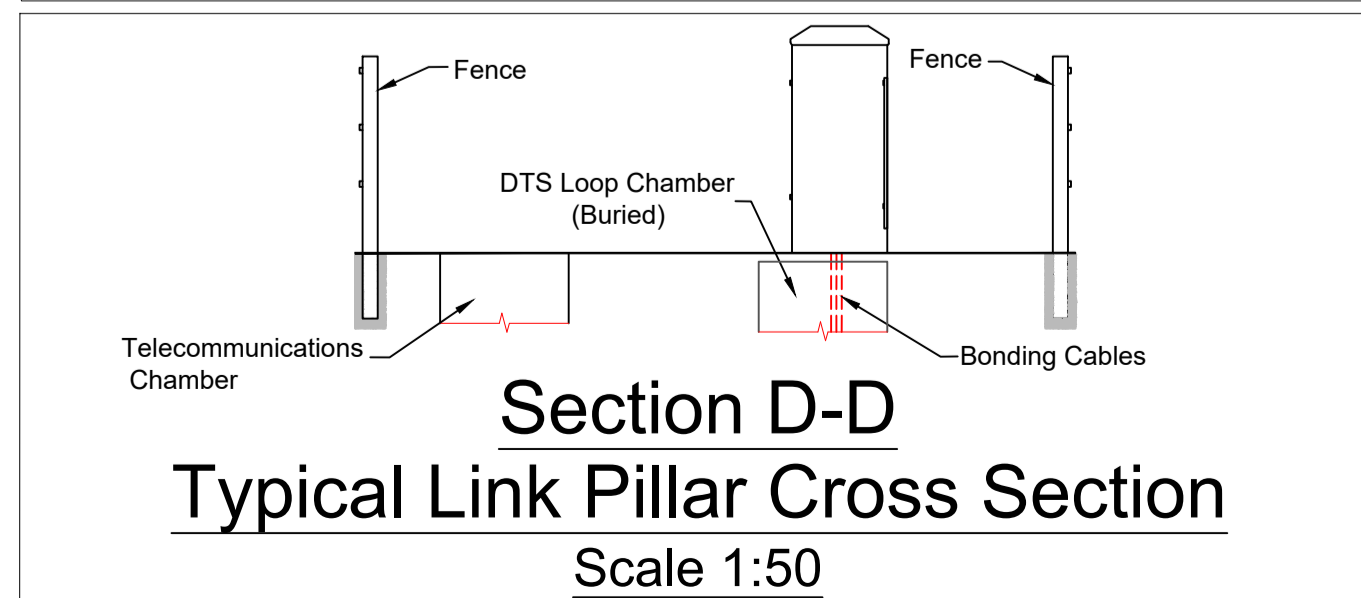
Typical HVAC Cable Joint Bay Layout
Scale 1:200



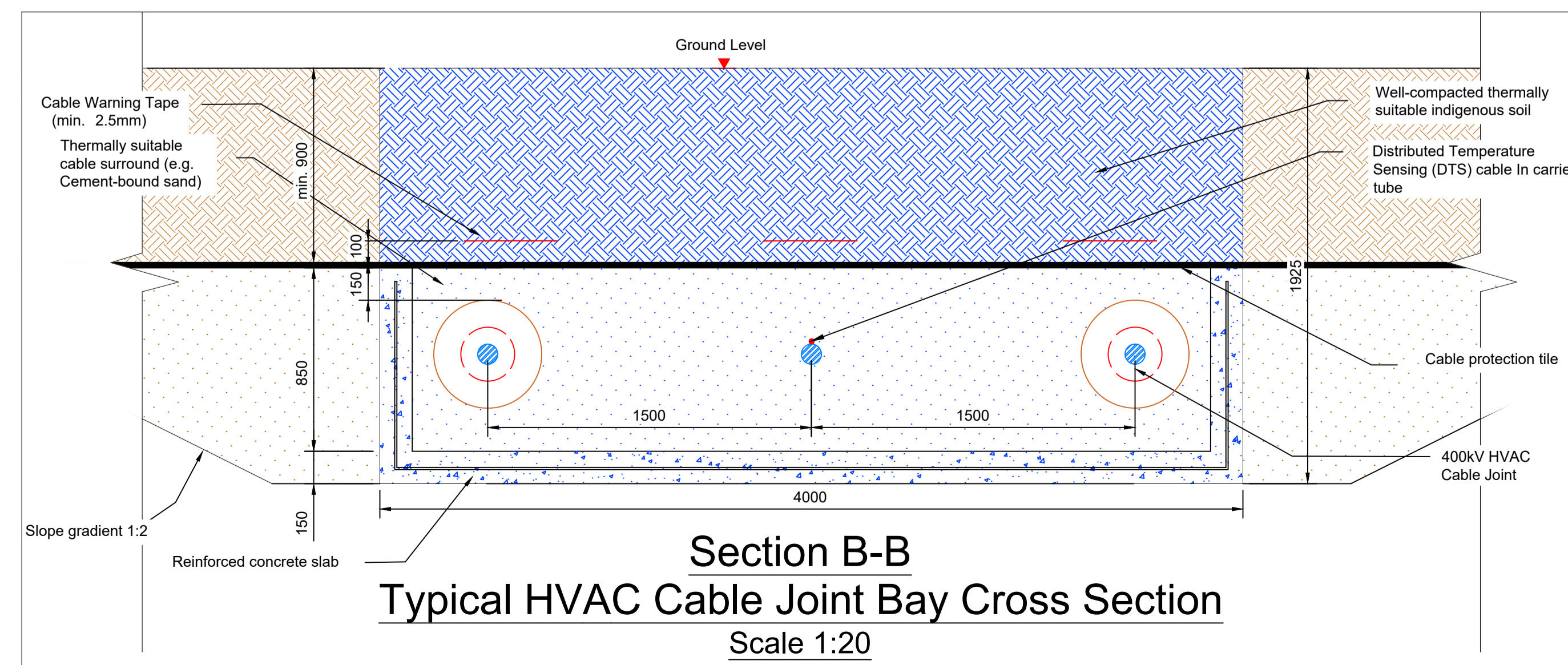
Section A-A
Typical HVAC Cable Joint Bay Long Section
Scale 1:100



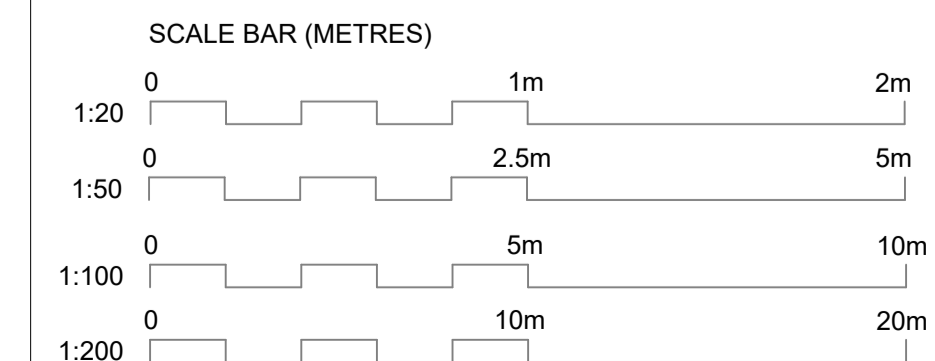
Section C-C
Typical Link Pillar Cross Section
Scale 1:50



Section D-D
Typical Link Pillar Cross Section
Scale 1:50



Section B-B
Typical HVAC Cable Joint Bay Cross Section
Scale 1:20



Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P03	15/04/2026	Third Issue	ZZ	CK	JW
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

Title
THE NATIONAL GRID
(TBC) ORDER
XXXXXXXXXXXX
(REGULATION XXXX)
SECTION, SHEET OF
XXXX COUNCIL
EGL5 TYPICAL HVAC JOINT BAY

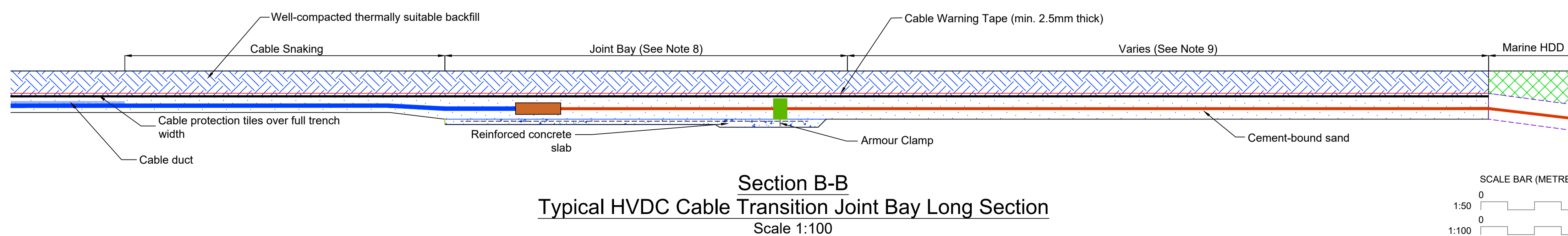
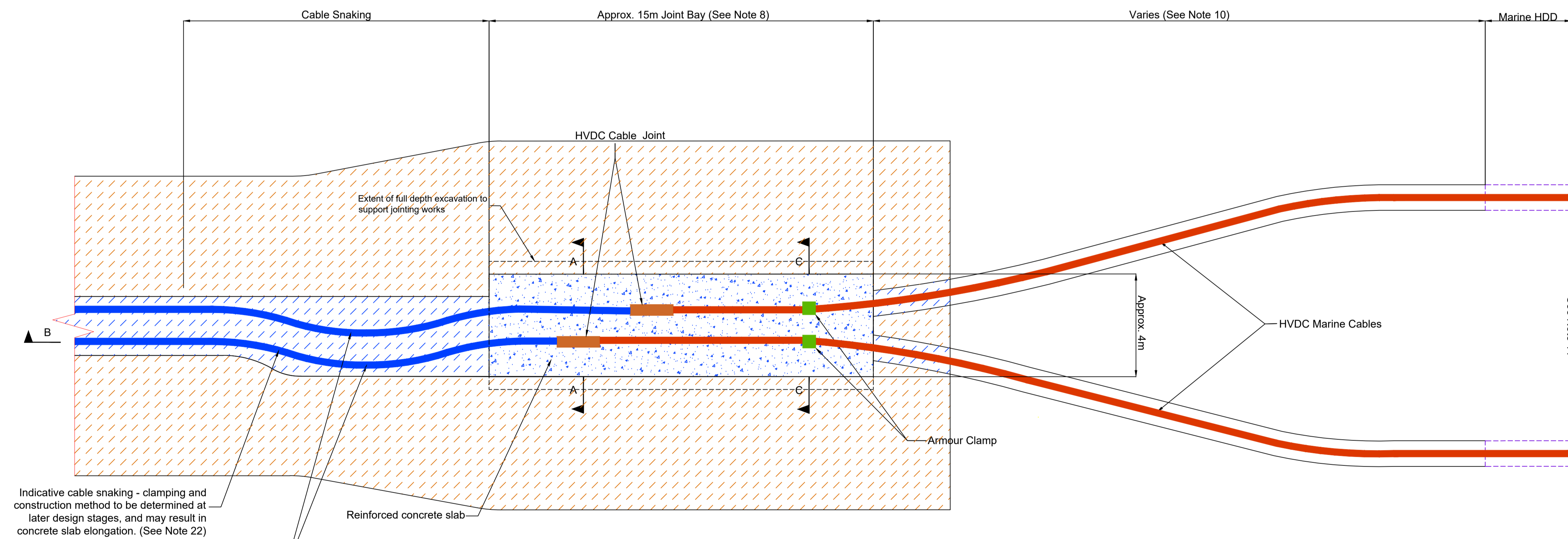
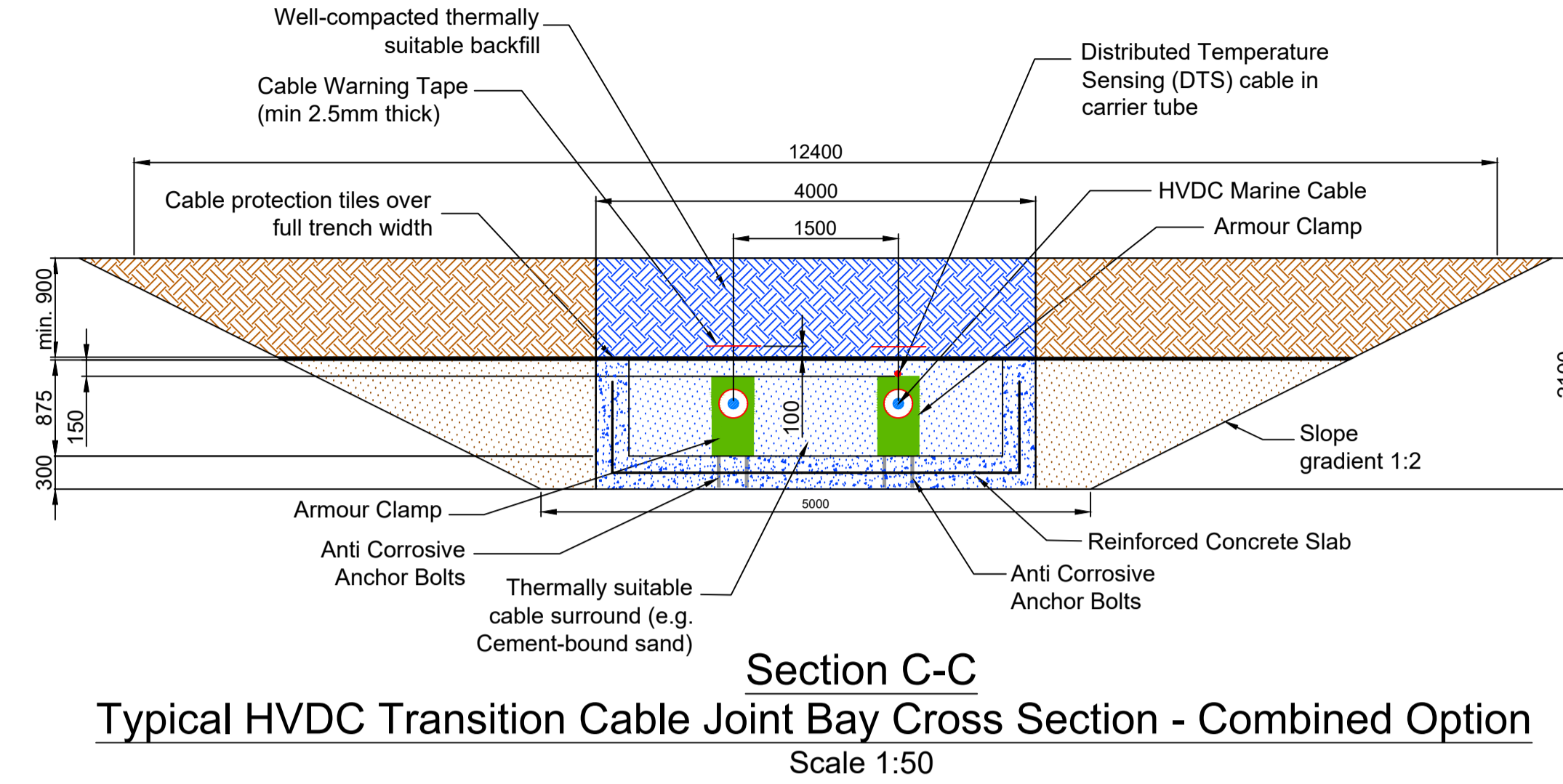
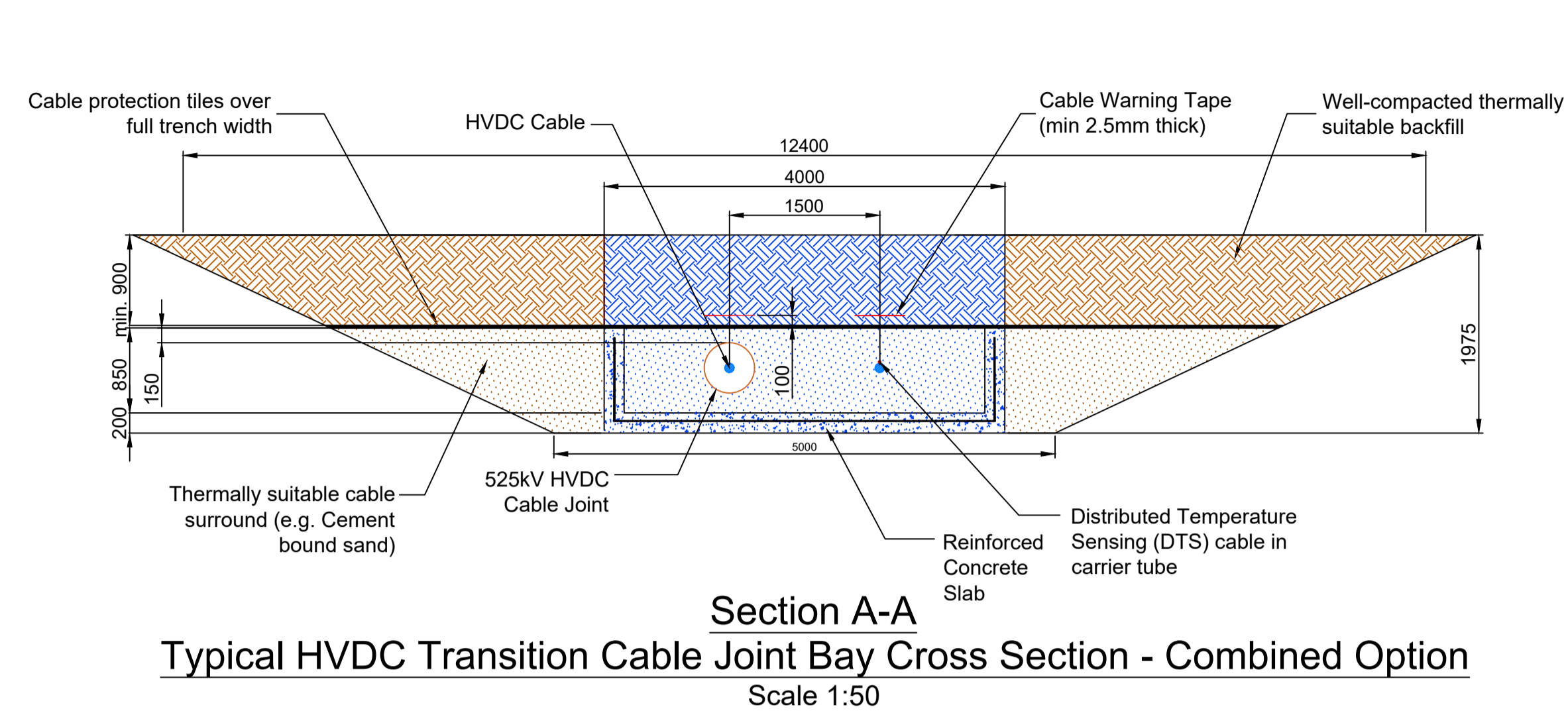
nationalgrid

Application Number

National Grid Drawing Reference
118705-MMD-00-XX-DR-CE-0041

Scale	Sheet Size	Sheet	Issue
AS SHOWN	A1	SHEET 1 OF 1	P03

THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL



Legend

- Cable protection tiles
- HVDC Cable
- HVDC Marine Cable
- Cable Warning Tape
- Trench
- Splayed excavation
- Concrete
- Well-compacted thermally suitable backfill (Trench)
- Thermally suitable cable surround (Trench)
- Well-compacted thermally suitable backfill (Splayed excavation)
- Thermally suitable cable surround (Splayed excavation)
- Existing ground
- Armour Clamp
- Horizontal Directional Drill (HDD)

Notes

1. Do not scale from this drawing.
2. All dimensions are in metres/millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. All spatial coordinates relate to the Ordnance Survey, British National Grid (OSGB36).
6. All levels are in meters and relate to AOD (Ordnance Survey, Newlyn).
7. Refer to drawing 118705-MMD-00-XX-DR-CE-0003 for typical ducted HVDC cable installation and construction swathe.
8. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation requirements.
9. Requirement for DTS/DAS to be agreed.
10. Distance between transition joint and HDD landing position varies subject to cable/ HDD spacing and site conditions. Current HDD spacing assumed at 20m. To be assessed at later design stage.
11. Cable spacing based on 20m separation. Spacing may increase/decrease at later stage of design.
12. Earthmat will be required. Currently not included on drawing.
13. Joint bay arrangement and depth subject to cable manufactured specifications.
14. The design and installation of HV cables and ducts shall be in accordance with relevant national design standards and National Grid technical specifications.
15. Joint supports not shown. These are based on manufacturer's requirements.
16. Clamping arrangement may vary subject to manufacturer's requirements.
17. Haul Road arrangement to be confirmed. Access to foreshore to facilitate survey and HDD installation may be required.
18. Design assumes a system that does not require a metallic return.
19. Presented arrangement assumes only two Landfall cable ducts, with one per cable pole.
20. Potential to fill Marine HDD with semi-set concrete, to be considered at later stages of design. This option would alleviate the clamps from use for cable joint security.
21. A jointing container or tent will be required above ground for the duration of the jointing works. The types of shelter should be confirmed at a later stage.
22. For Cable snaking the minimum radius should be 30 times the diameter of the cable, noting that larger radii are preferable.

Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P03	15/04/2026	Third Issue	ZZ	CK	JW
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

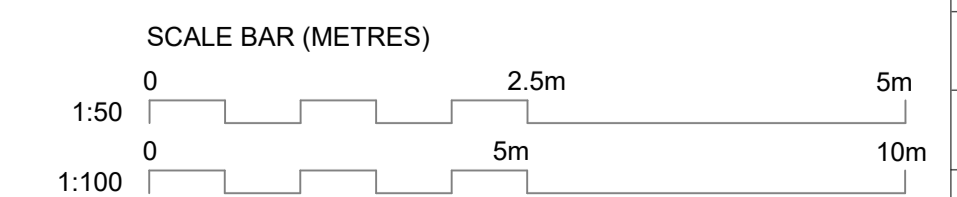
Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL HVDC TRANSITION JOINT BAY
 ARRANGEMENT - COMBINED OPTION

nationalgrid

Application Number



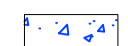











National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0042

Scale	Sheet Size	Sheet	Issue
AS SHOWN	A1	SHEET 1 OF 1	P03



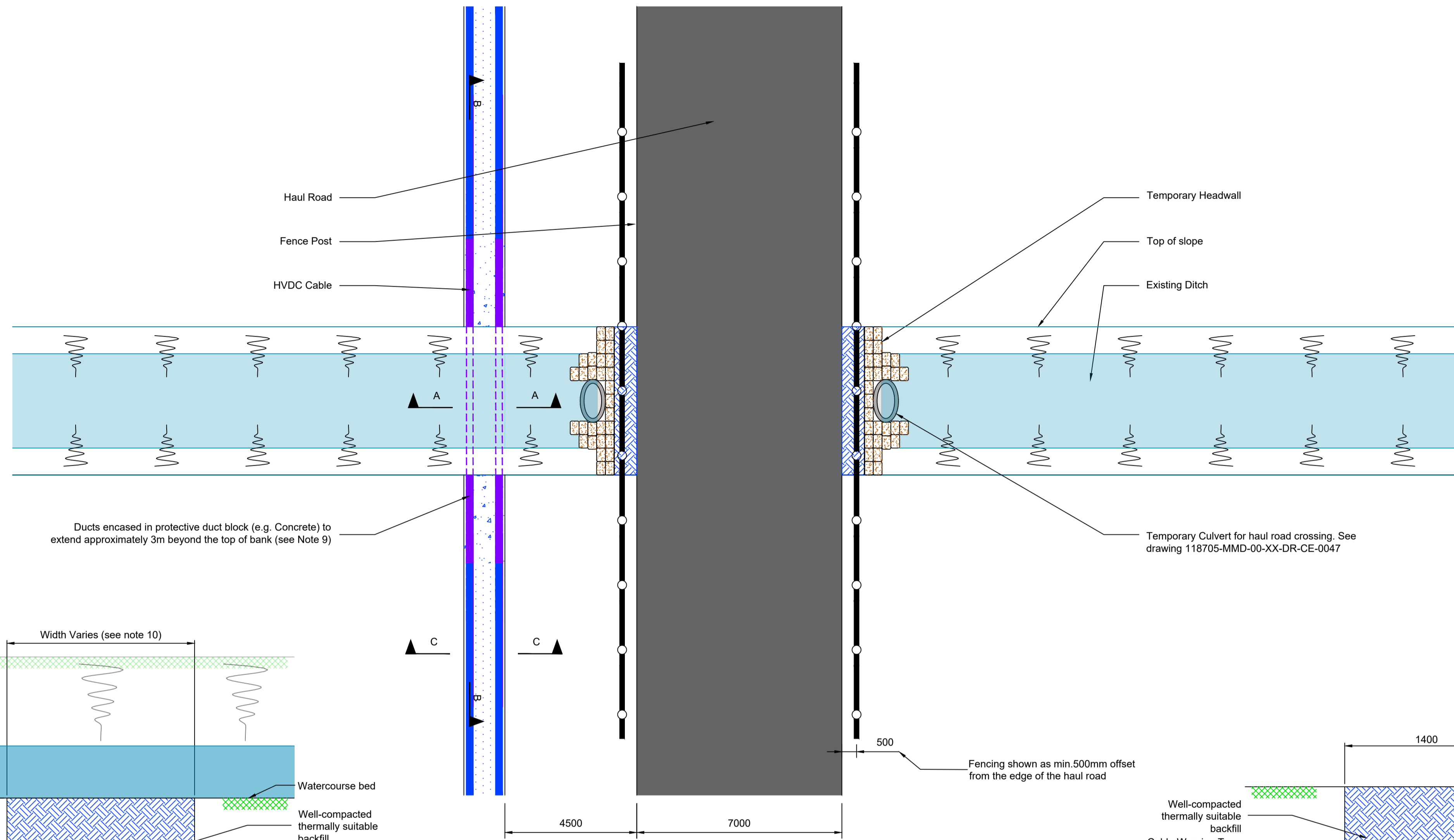
THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

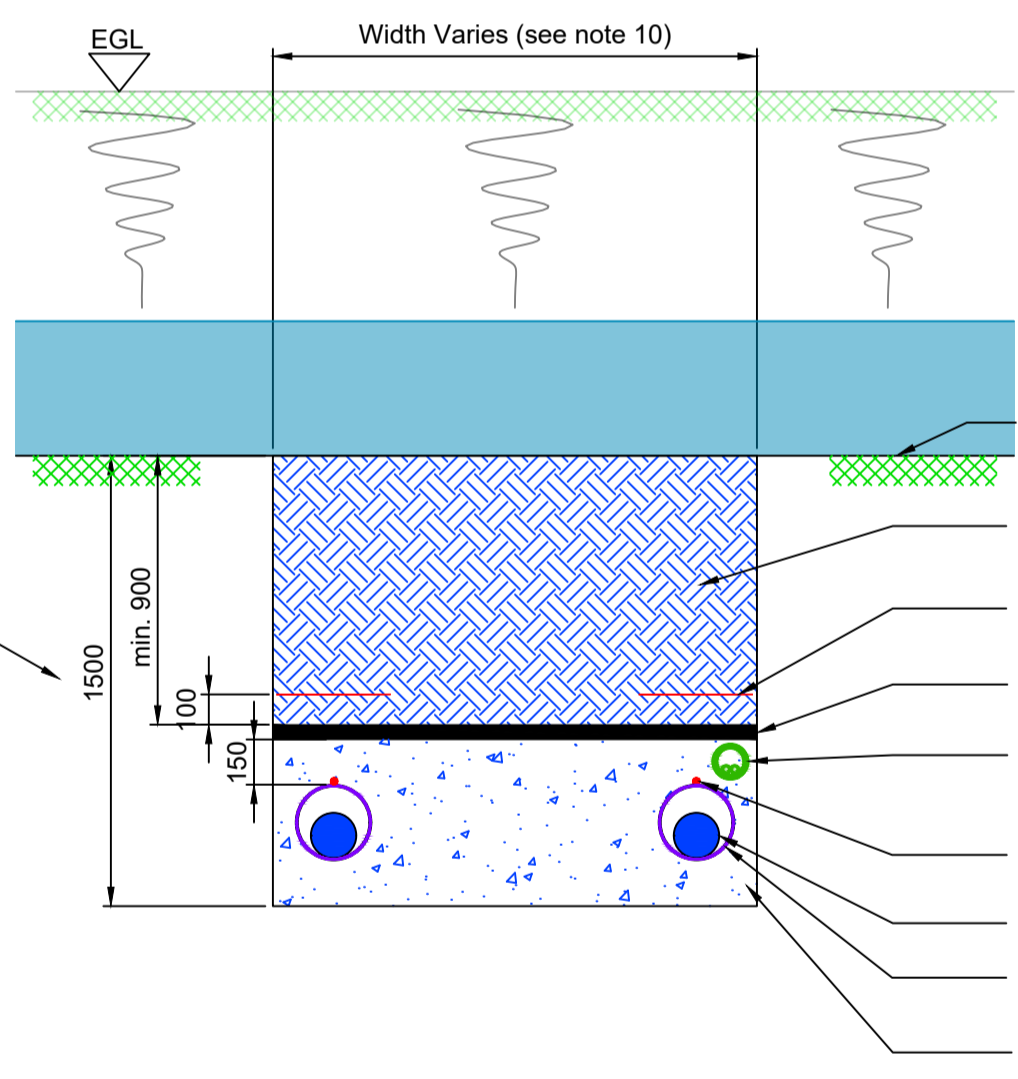
-  Well-compacted thermally suitable backfill
-  Thermally suitable cable surround (e.g. Cement Bound Sand (CBS))
-  Protective Duct Block (e.g. Concrete)
-  Haul Road
-  Temporary culvert for haul road crossing
-  High Voltage Direct Current (HVDC) Cable
-  HVDC Cable Duct
-  HVDC Cable Crossing Duct
-  Cable warning tape
-  Cable protection tiles
-  Existing Ground
-  Existing Watercourse
-  Sand Bag
-  Geotextile Liner

Notes

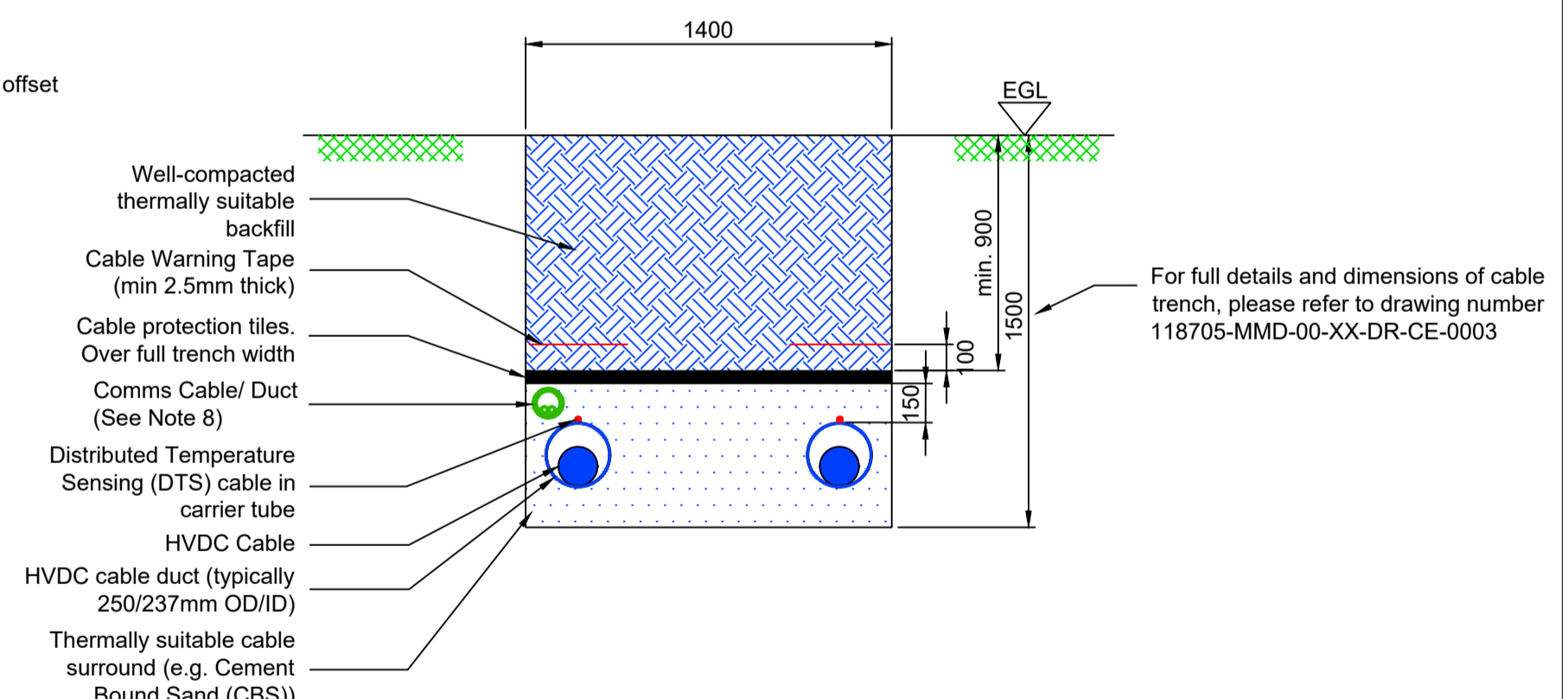
1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation requirements.
6. Soil bund provided as potential storage and/or to reduce noise and visual impact. Suitable gaps/drainage pipes may be required where surface water management dictates. Final arrangement to be determined at later stages of design.
7. Typical Subsoil and Topsoil bunds required for construction have not been shown, for details on these refer to drawing 118705-MMD-00-XX-DR-CE-0003.
8. Comms cable/duct currently shown indicatively in trench. Exact location to be agreed at later stage of design.
9. Ducts encased in protective duct block (e.g. concrete) to be extended approximately 3m beyond the top of bank.
10. Duct spacing and trench width may increase when installed under the watercourse to account for the cable system design.
11. Reinstatement should be carried out post construction to the original condition, or an appropriate condition as agreed with relevant stakeholders.
12. Watercourse crossing currently shown as a temporary culvert, a temporary bridge may be required subject to the size of the watercourse and stakeholder engagement.
13. The design and installation of HV cables and ducts shall be in accordance with relevant national design standards and National Grid technical specifications.
14. This drawing assumes that trench supports will be used for works in and near a watercourse to reduce the amount of activity taking place in the watercourse.



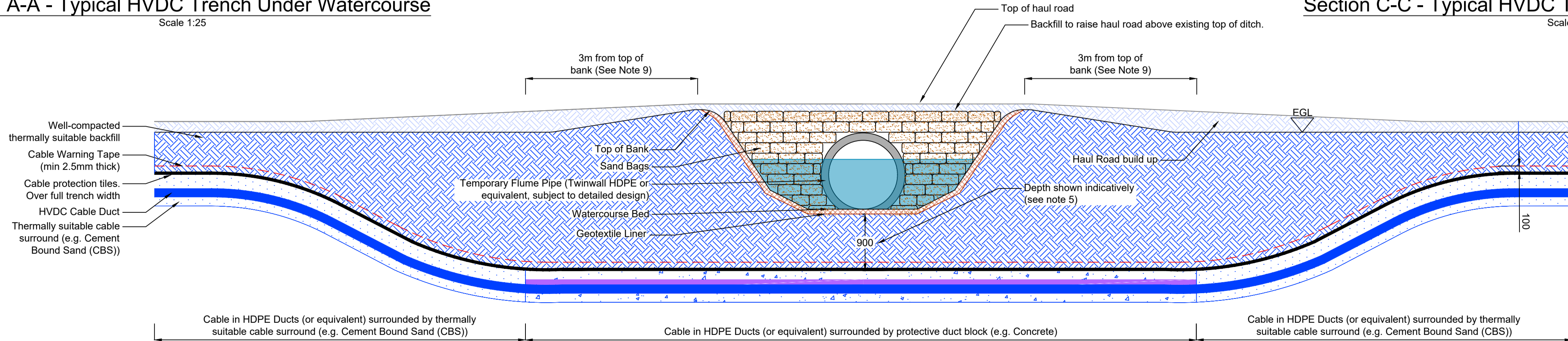
Typical Open Cut Watercourse Crossing Plan View
 Scale 1:100



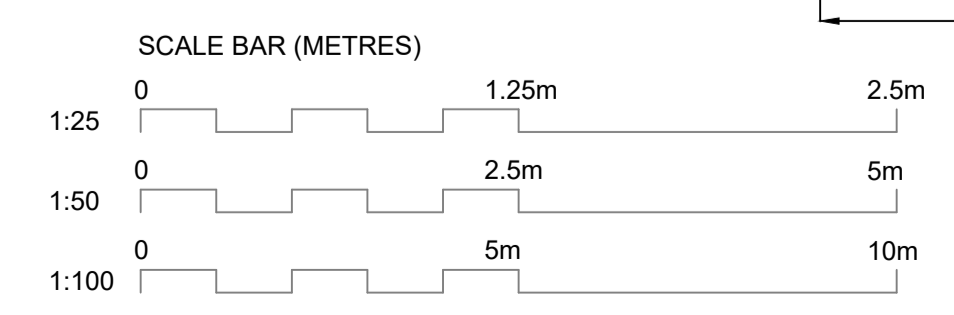
Section A-A - Typical HVDC Trench Under Watercourse
 Scale 1:25



Section C-C - Typical HVDC Trench Within Agricultural Field
 Scale 1:25



Section B-B - Typical Ducted Watercourse Crossing
 Scale 1:50



Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P03	15/04/2026	Third Issue	ZZ	CK	JW
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL DUCTED WATERCOURSE
 CROSSING - HVDC



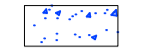



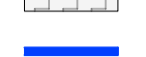






nationalgrid

Application Number
 National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0043

Scale	Sheet Size	Sheet	Issue
AS SHOWN	A1	SHEET 1 OF 1	P03

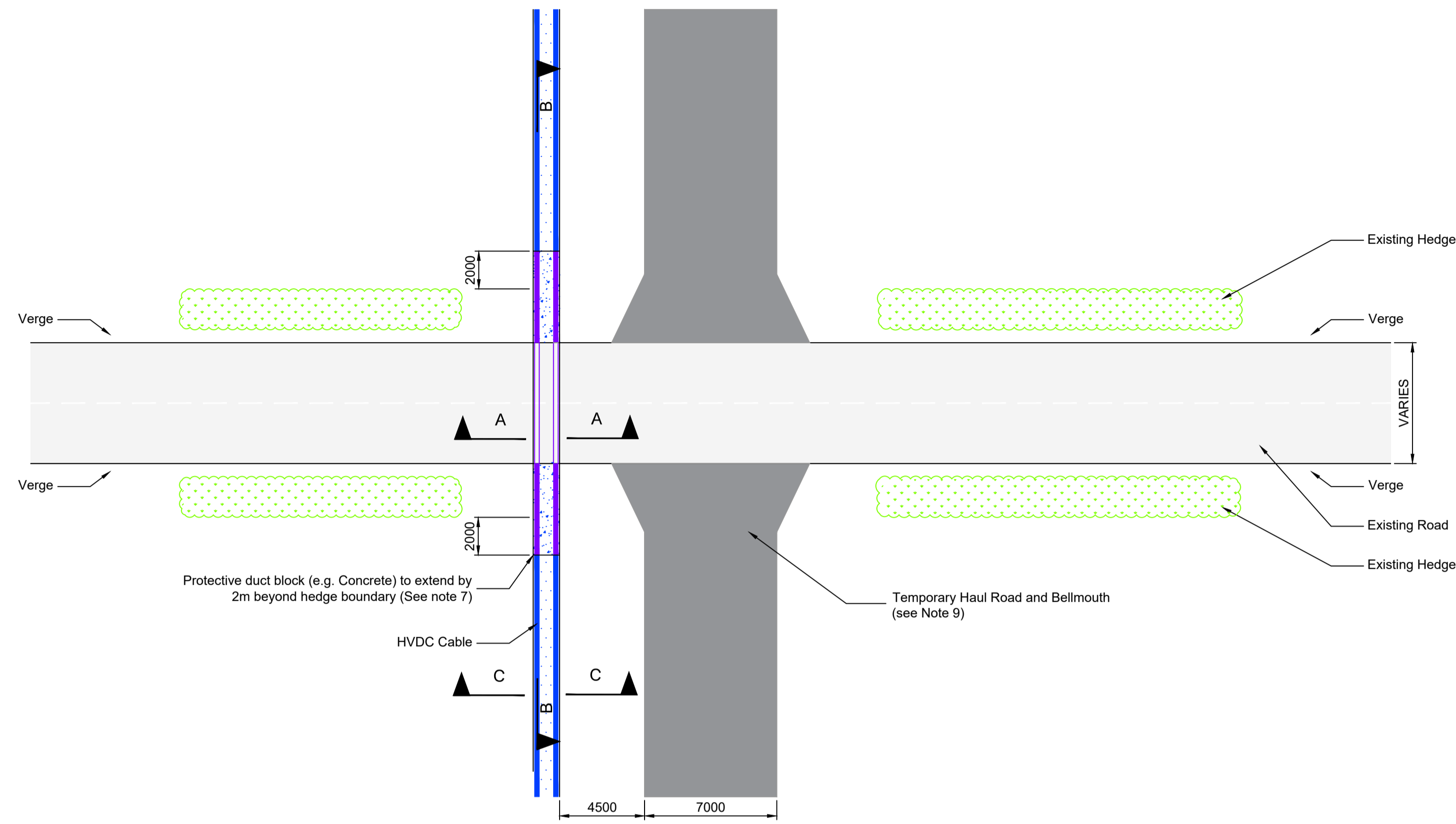
THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

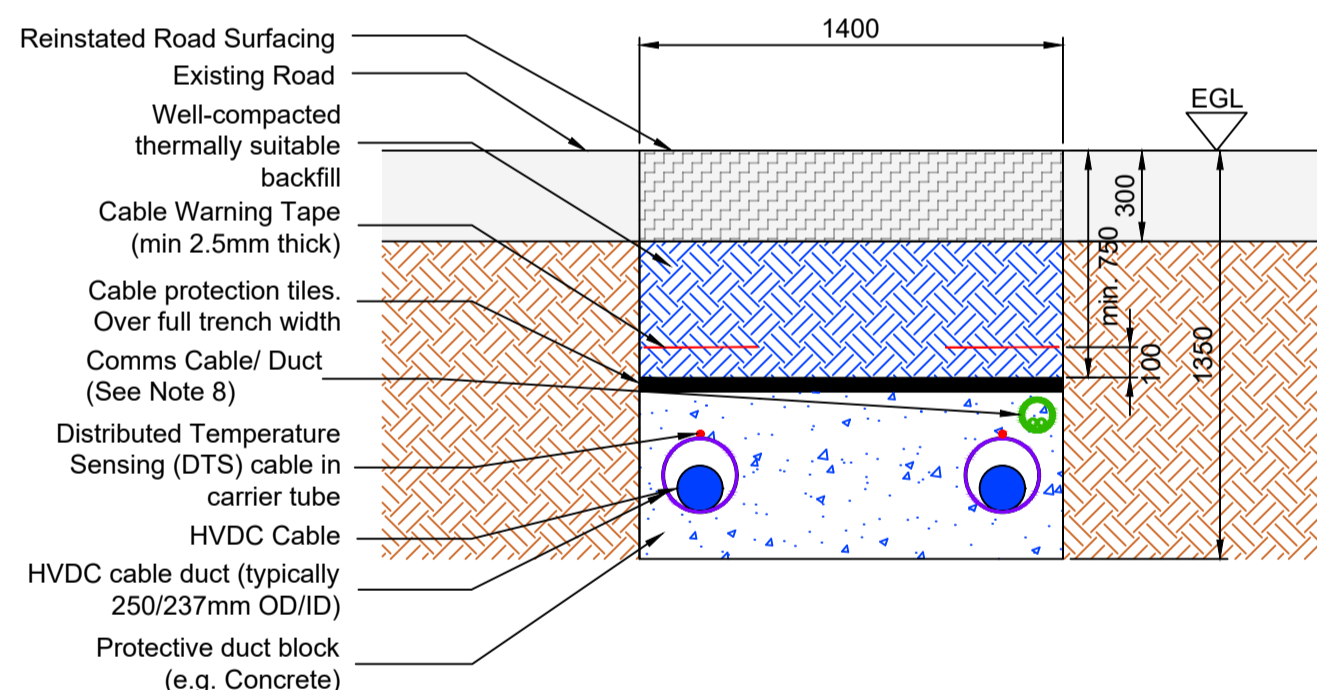
-  Well-compacted thermally suitable backfill
-  Thermally suitable cable surround (e.g. Cement Bound Sand (CBS))
-  Protective duct block (e.g. Concrete)
-  Haul Road
-  Existing Road
-  Reinstated Road Surfacing
-  High Voltage Direct Current (HVDC) Cable
-  HVDC Cable Duct
-  HVDC Cable Crossing Duct
-  Cable warning tape
-  Existing Hedge
-  Existing Ground
-  Existing Carriageway Build-up

Notes

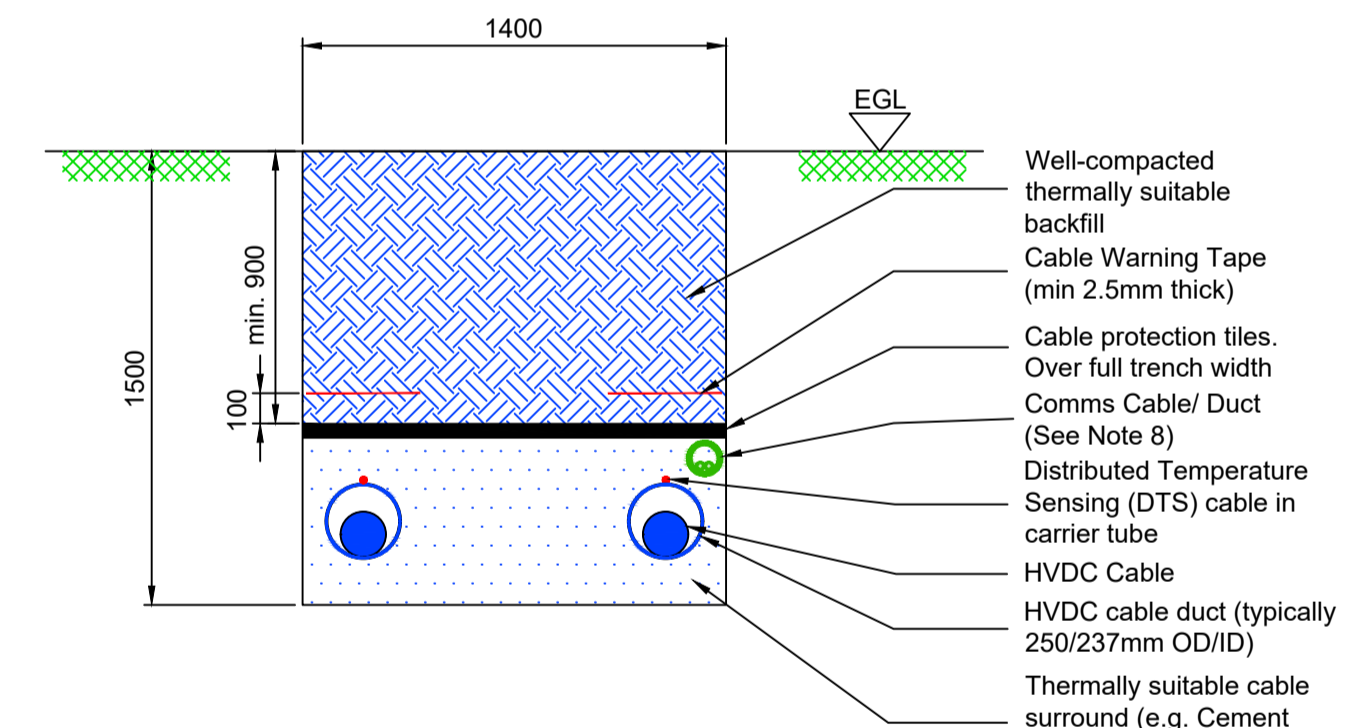
1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation conditions.
6. Where present, hedges are to be removed and reinstated once cable ducts have been installed.
7. Protective duct block (e.g. concrete) to extend by approximately 2m beyond road or hedge boundary if present.
8. Comms cable/duct currently shown indicatively in trench. Exact location to be agreed at later stage of design.
9. Where required (e.g. due to topography or for visibility) the haul road may be offset from the cable crossing. Vegetation clearance and other highway alterations may also be required to meet the requirements of the local highway authority and/or design standards.
10. Reinstatement should be carried out post construction to the original condition, or an appropriate condition as agreed with relevant stakeholders.
11. Routing to consider options which limit the interface with large roads. Suitable transport management to be considered for open cut methods and trenchless crossing methods.
12. Typical subsoil and topsoil bunds required for construction have not been shown, for details on these refer to drawing 118705-MMD-00-XX-DR-CE-0003.
13. Required drainage to be considered at later stages of design.
14. Post cable installation, ducts may be required to be filled with bentonite.
15. The design and installation of HV cables and ducts shall be in accordance with relevant national design standards and National Grid technical specifications.



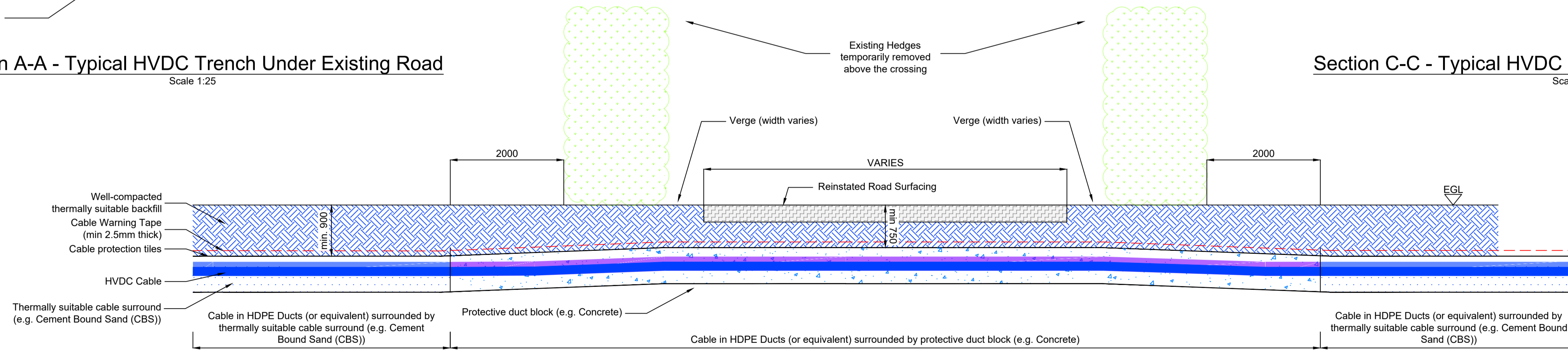
Typical Open Cut Road Crossing Plan View
 Scale 1:200



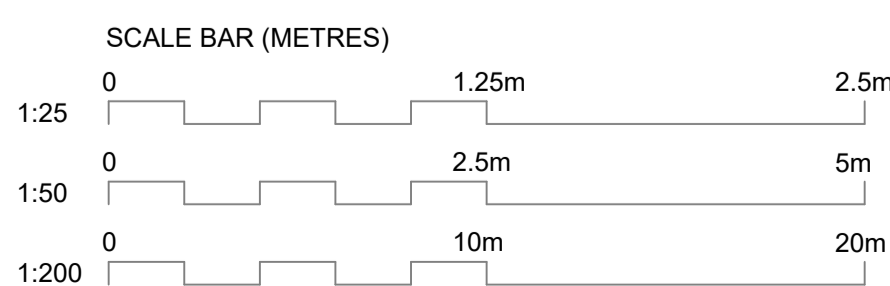
Section A-A - Typical HVDC Trench Under Existing Road
 Scale 1:25



Section C-C - Typical HVDC Trench within Agricultural Field
 Scale 1:25



Section B-B - Typical Ducted Road Crossing
 Scale 1:50



Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL DUCTED ROAD
 CROSSING - HVDC

nationalgrid



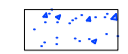











Application Number

National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0044

Scale	Sheet Size	Sheet	Issue
AS SHOWN	A1	SHEET 1 OF 1	P02

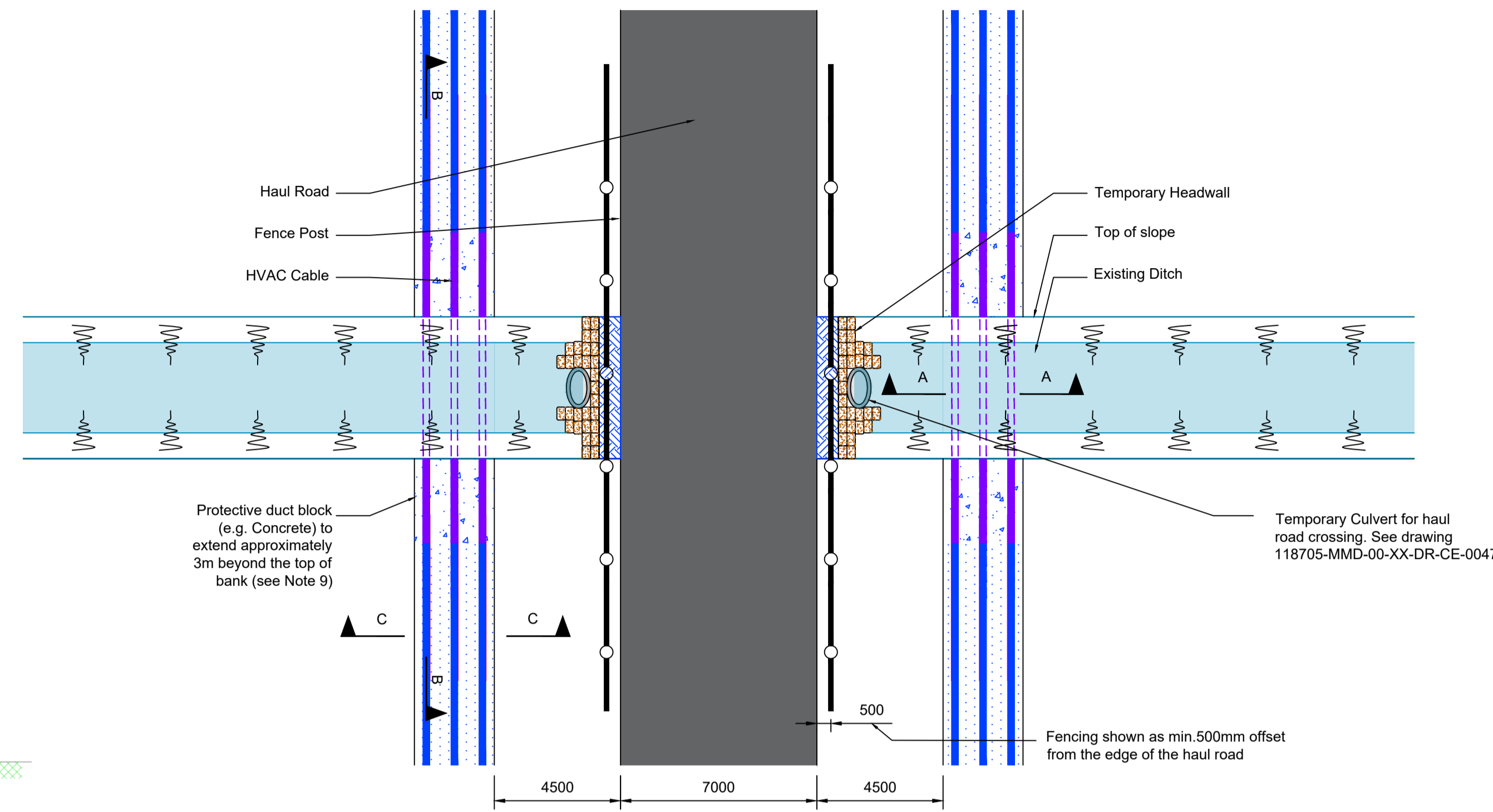
THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

-  Well-compacted thermally suitable backfill
-  Thermally suitable cable surround (e.g. Cement Bound Sand (CBS))
-  Protective duct block (e.g. Concrete)
-  Haul Road
-  Temporary culvert for haul road crossing
-  High Voltage Direct Current (HVAC) Cable
-  HVAC Cable Duct
-  HVAC Cable Crossing Duct
-  Cable warning tape
-  Cable protection tiles
-  Existing Ground
-  Existing Watercourse
-  Sand Bag
-  Geotextile Liner

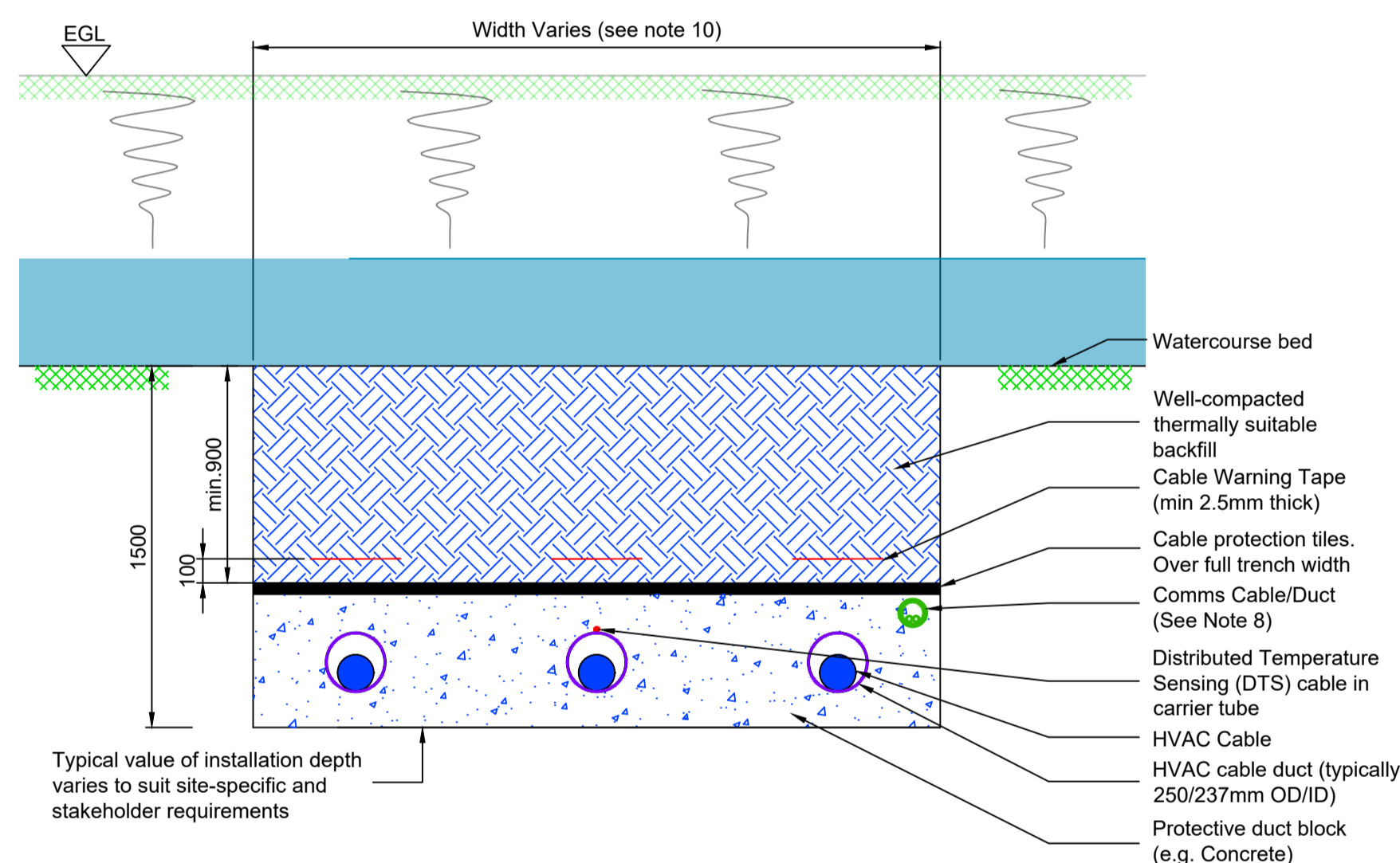
Notes

1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation conditions.
6. Soil bund provided as potential storage and/or to reduce noise and visual impact. Suitable gaps/drainage pipes may be required where surface water management dictates. Final arrangement to be determined at later stages of design.
7. Typical Subsoil and Topsoil bunds required for construction have not been shown, for details on these refer to drawing 118705-MDS-00-XX-DR-CE-0004.
8. Comms cable/duct currently shown indicatively in trench. Exact location to be agreed at later stage of design.
9. Protective duct block (e.g. concrete) to be extended approximately 3m beyond the top of bank.
10. Duct spacing and trench width may increase when installed under the watercourse to account for the cable system design.
11. Reinstatement should be carried out post construction to the original condition, or an appropriate condition as agreed with relevant stakeholders.
12. Routing to consider options which limit the interface with watercourses. Suitable transport management to be considered for open cut methods and trenchless crossing methods.
13. Watercourse crossing currently shown as a temporary culvert, a temporary bridge may be required subject to the size of the watercourse and stakeholder engagement.
14. The design and installation of HV cables and ducts shall be in accordance with relevant national design standards and National Grid technical specifications.



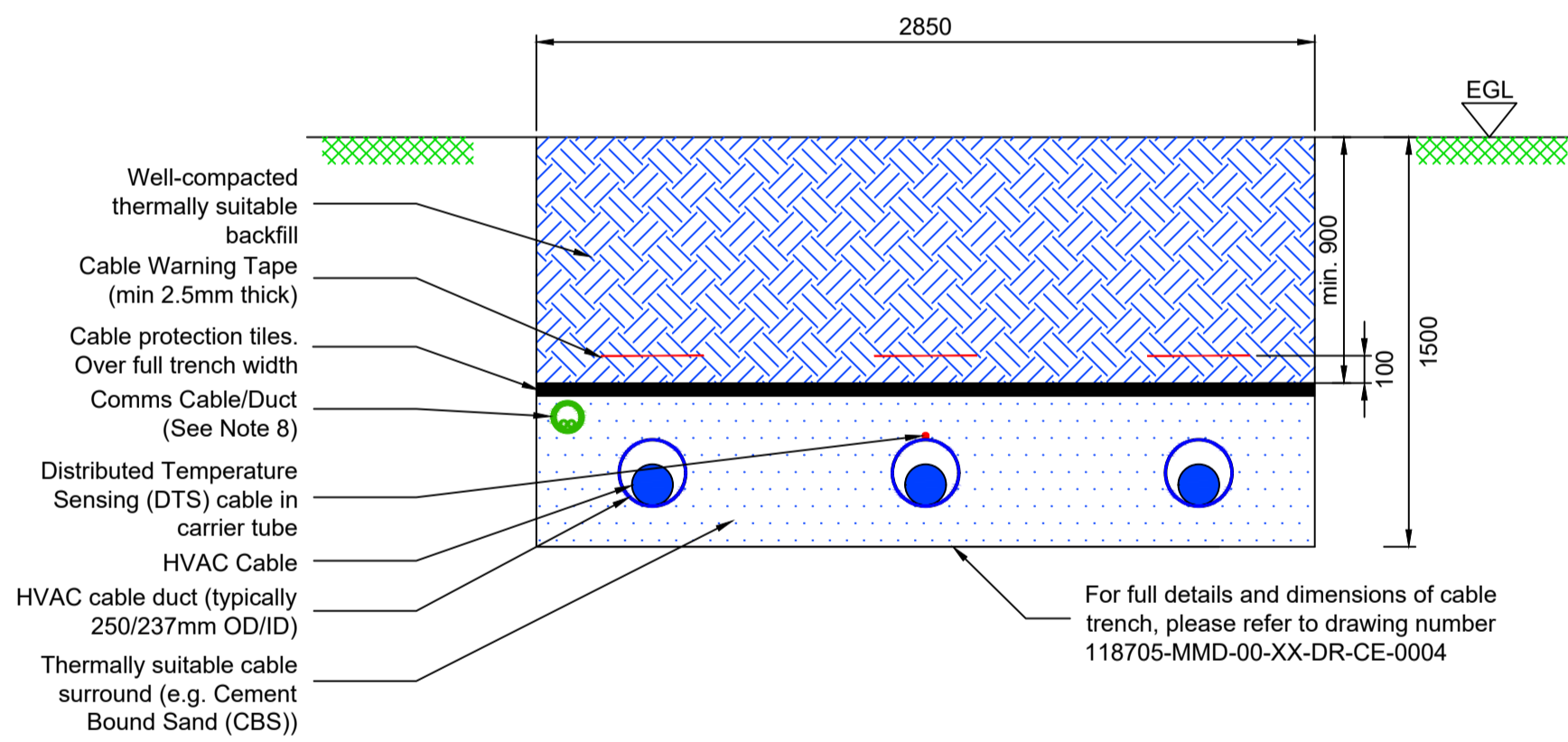
Typical Open Cut Watercourse Crossing Plan View

Scale 1:150



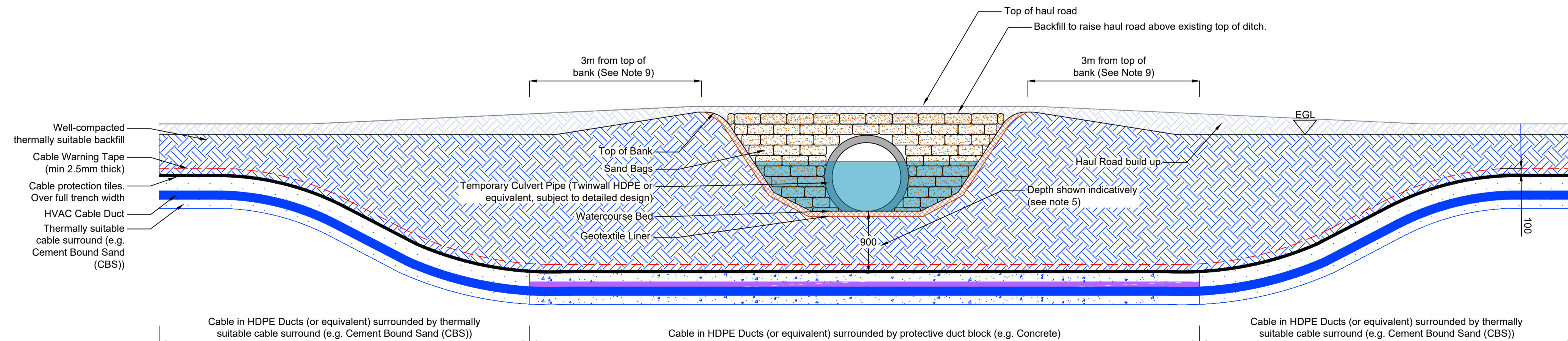
Section A-A - Typical HVAC Trench Under Watercourse

Scale 1:25



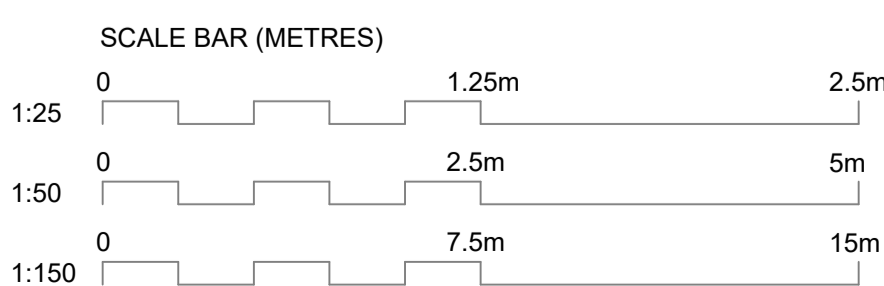
Section C-C - Typical HVAC Trench Within Agricultural Field

Scale 1:25



Section B-B - Typical Ducted Watercourse Crossing

Scale 1:50



Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P03	15/04/2026	Third Issue	ZZ	CK	JW
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL DUCTED WATERCOURSE
 CROSSING - HVAC

nationalgrid





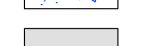







Application Number

National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0045

Scale	Sheet Size	Sheet	Issue
AS SHOWN	A1	SHEET 1 OF 1	P03

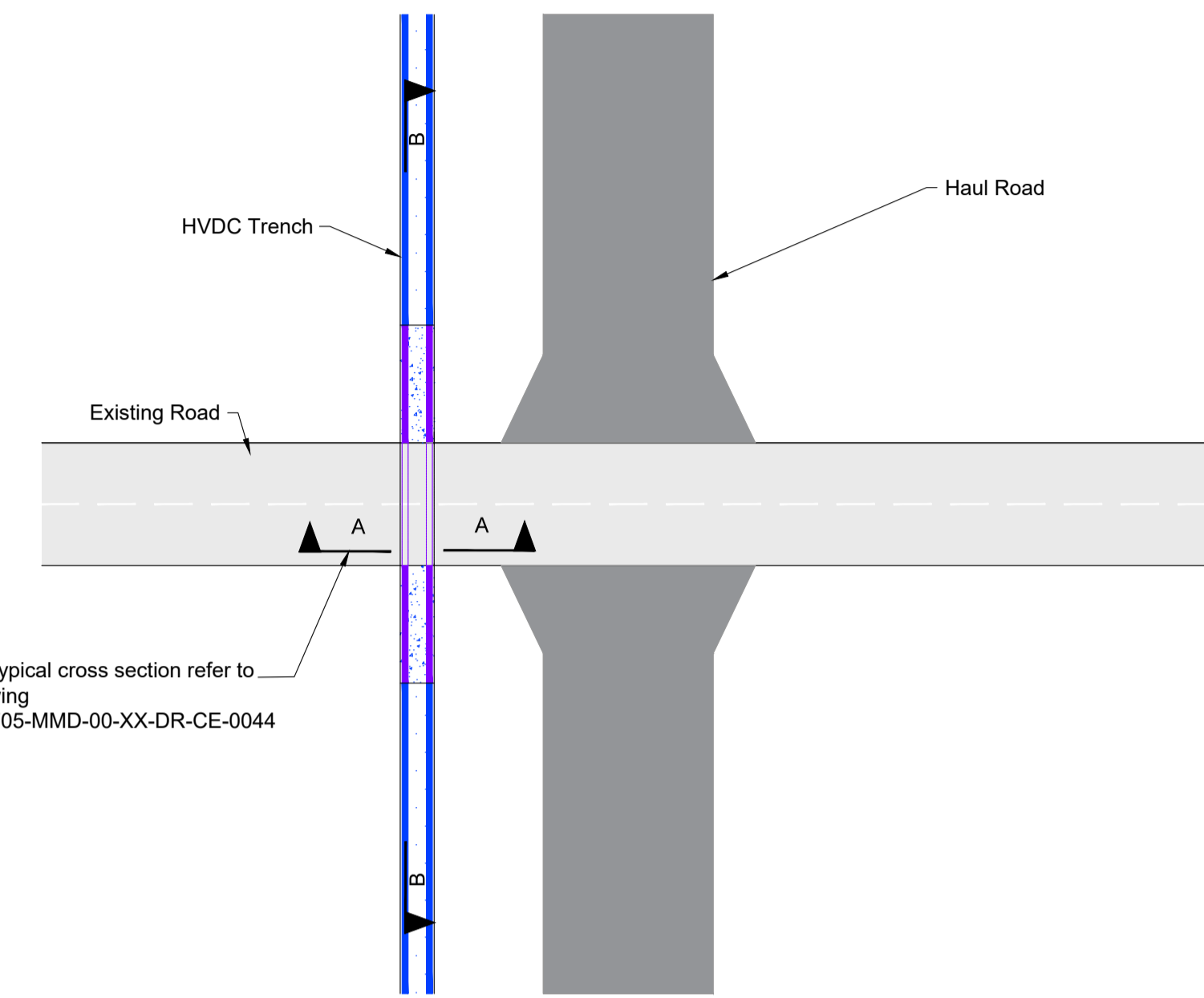
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 SECTION, SHEET OF
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Legend

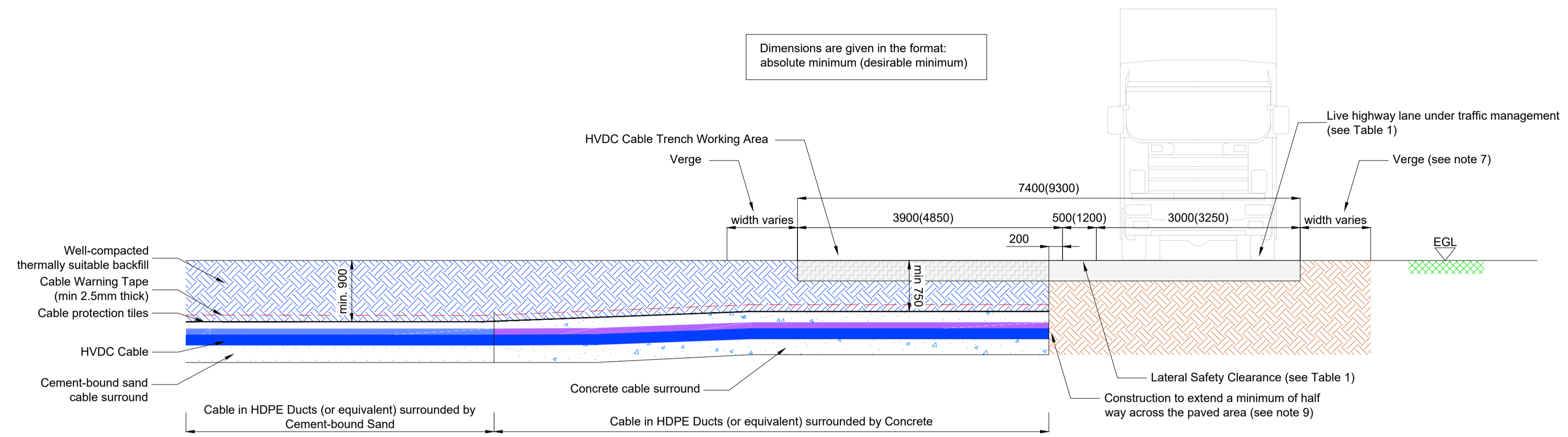
-  Well-compacted thermally suitable backfill
-  Existing Carriageway Build-up
-  Cement-bound sand cable surround
-  Concrete surround
-  Existing Road
-  Haul Road
-  High Voltage Direct Current (HVDC) Cable
-  HVDC Cable Duct
-  HVDC Cable Crossing Duct
-  Cable warning tape
-  Existing Ground
-  Reinstated Road Surfacing

Notes

1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. Proposed arrangements shown for indicative purposes only. Dimensions and design may vary depending on site and installation conditions.
6. Lane widths for temporary traffic management are based on the most onerous from the Traffic Signs Manual: Chapter 8, Part 1: Design, 2009 and HAUC, The Red Book, Part 2: Operations, Traffic Control, 2013.
7. Where the verge width and condition allows, part of the verge may be hardened to allow for the minimum shuttle working lane width. After completion of the road works, temporary hard standings should be removed to prevent their use as general stopping points.
8. Reinstatement should be carried out post construction to an appropriate condition as agreed with relevant stakeholders.
9. Construction of the HVDC trench should be to a minimum of half way across the paved area. Once reinstatement has been completed on the first side of the carriageway, construction of the HVDC trench on the second side of the carriageway can commence, mirroring the layout of the first side.
10. The detail shows a HVDC trench configuration, however the construction method is equally appropriate for a HVAC configuration.
11. Further traffic management requirements, such as speed restrictions, may be required, to be assessed at later stages of design. For example, where the lateral safety clearance is less than 1.2m a temporary speed limit of either 30 or 40mph should be implemented (Traffic Signs Manual: Chapter 8, Part 1: Design, 2009).
12. Typical Subsoil and Topsoil bunds required for construction have not been shown, for details on these refer to drawing 118705-MMD-00-XX-DR-CE-0003.
13. For details of typical ducted road crossings please refer to drawing 118705-MMD-00-XX-DR-CE-0044.
14. Comms cable/duct currently shown indicatively in trench. Exact location to be agreed at later stage of design.
15. The design and installation of HV cables and ducts shall be in accordance with relevant national design standards and National Grid technical specifications.

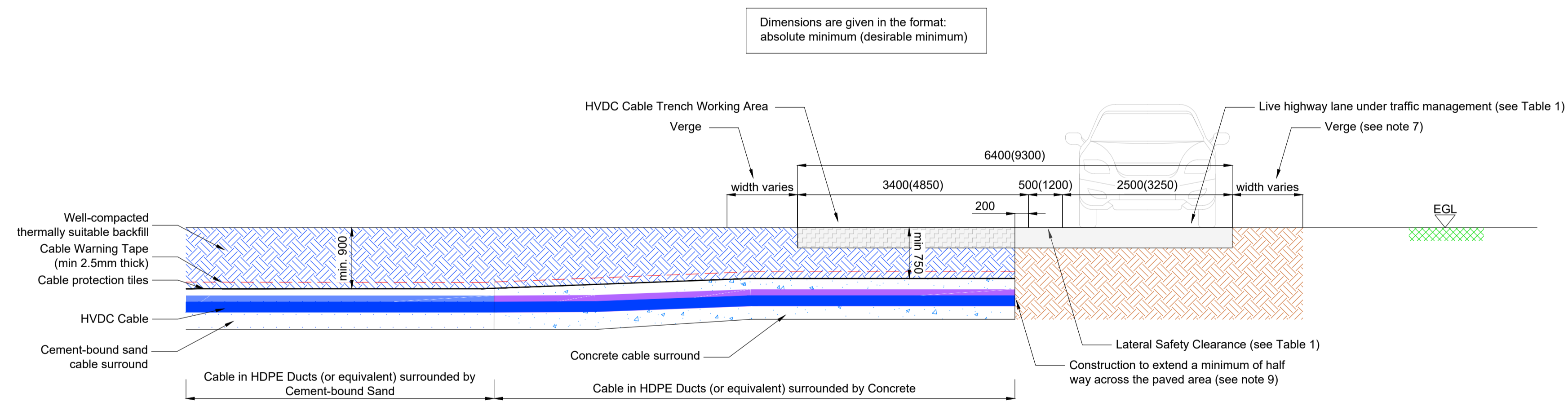


Typical Road Crossing Plan View
 Scale 1:250



Section B-B - Typical Ducted Road Crossing - Normal Traffic (including Buses and HGVs)

Scale 1:50

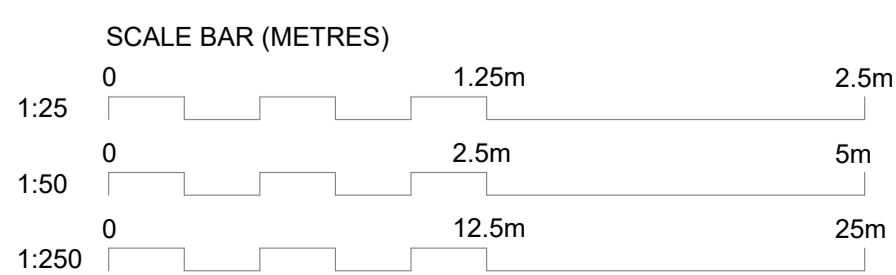


Section B-B - Typical Ducted Road Crossing - Cars and Light Vehicles Only

Scale 1:50

Table 1 - Minimum carriageway widths for two-way traffic and a single lane closure with traffic control (see note 9)

	Normal Traffic (including buses and HGVs)	Cars and light vehicles only
Two-way working	6.75 m minimum	5.5 m minimum
Shuttle working with Traffic Control	3.25 m desirable minimum 3.0 m absolute minimum	3.25 m desirable minimum 2.5 m absolute minimum



Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P03	20/04/2026	Third Issue	ZZ	CK	JW
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL STAGED DUCTED
 ROAD CROSSING METHODOLOGY - HVDC

nationalgrid

Application Number

National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0056

Scale AS SHOWN Sheet Size A1 Sheet SHEET 1 OF 1 Issue P03

05. Onshore Access Drawings



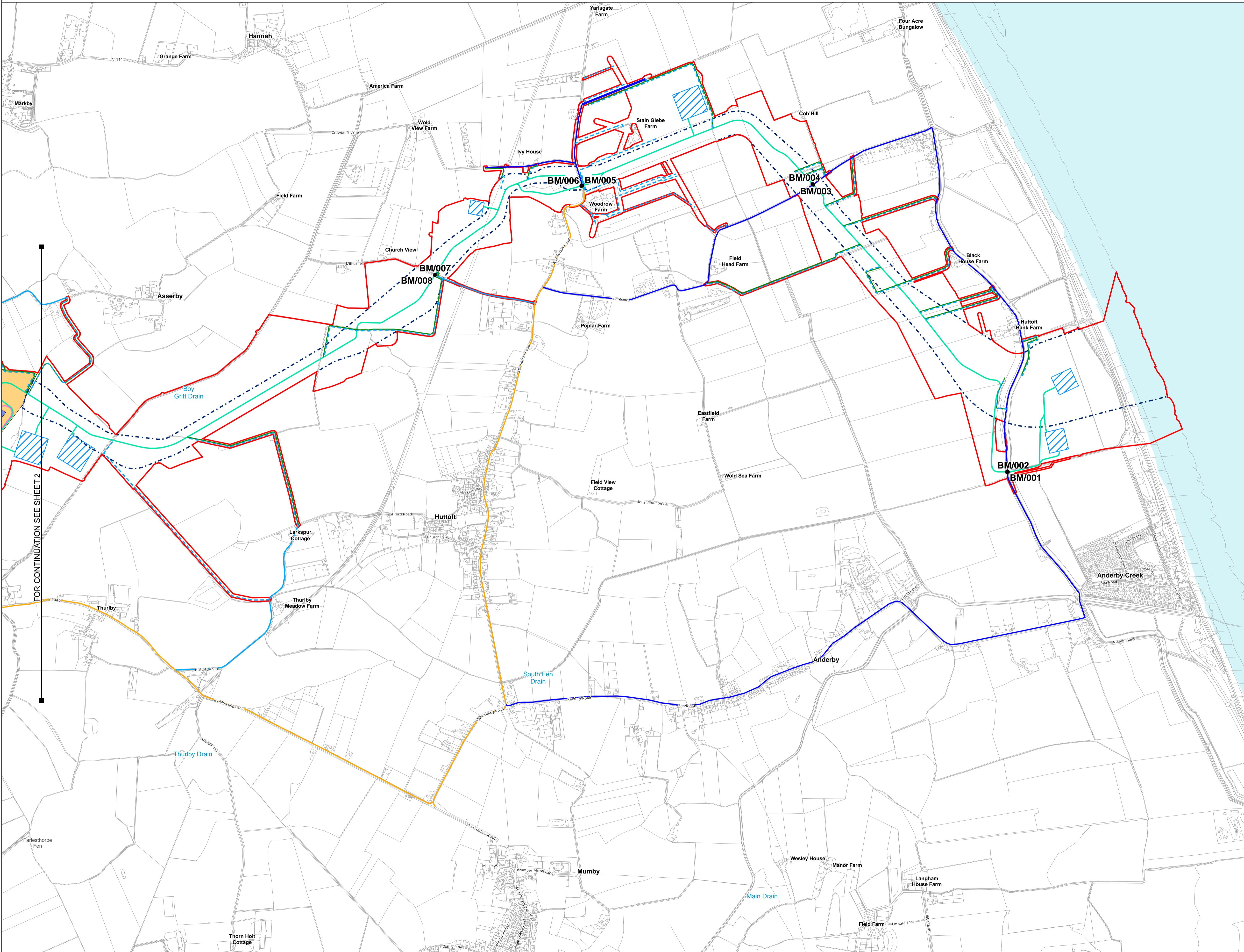
05. Onshore Access Drawings

Drawing Category	Plan Title	Drawing Reference
Standard Detail Drawings & Statutory Consultation Plans		
Onshore Access Drawings	Construction Access Plans (Onshore)	118705-MMD-00-XX-DR-CE-0139
	Typical Water Crossing Detail - Access (circular culvert)	118705-MMD-00-XX-DR-CE-0047
	Typical Water Crossing Detail - Access (bridge)	118705-MMD-00-XX-DR-CE-0049

To assist with understanding these drawings please see the [Guide to Consultation Documents and Drawings](#).



EASTERN GREEN LINK (EGL) 5
DF2 DESIGN - ONSHORE ACCESS PLAN
SHEET 1 OF 4

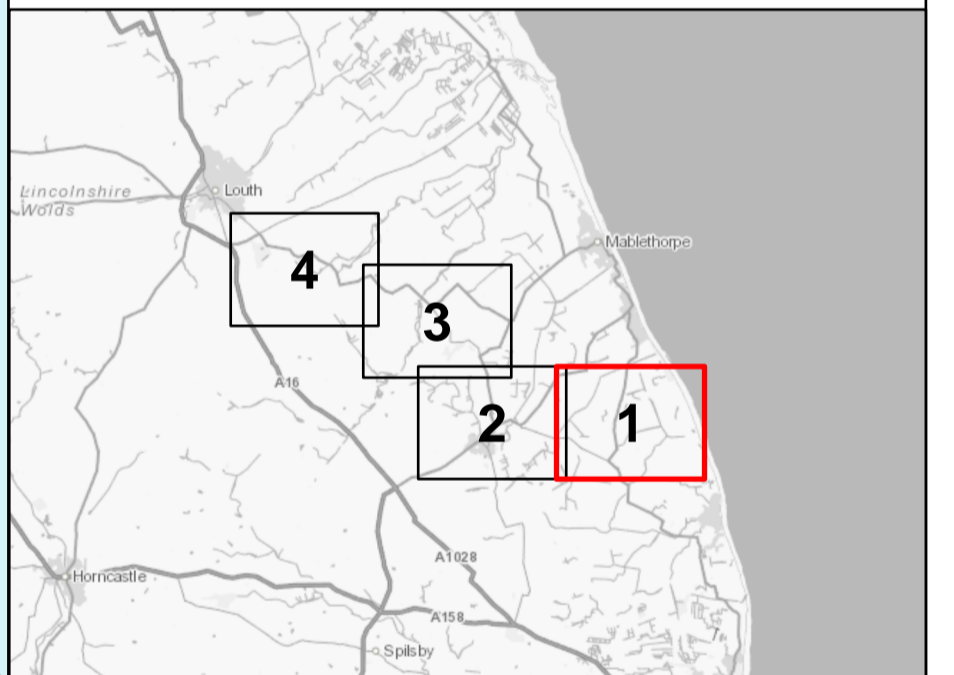


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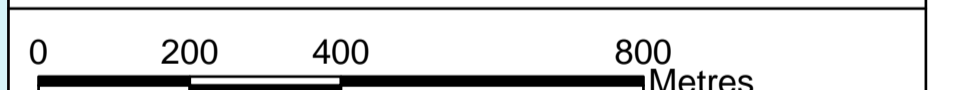
- Draft Order Limits
- Indicative access bellmouth
- Sheet outline
- Indicative temporary haul road
- Indicative permanent converter station access route
- Indicative permanent off-road cable access route
- Indicative highway access route
- Primary (cable drum - abnormal indivisible load)
- Advanced/mobilisation (HGV)
- Advanced/mobilisation (restricted)
- Advanced/mobilisation (restricted) - off-road access route
- Indicative limit of deviation
- Indicative construction compound location
- Indicative zone for converter station
- Indicative converter station siting

Notes

1. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
2. This drawing is prepared for the purpose of statutory consultation. All information shown is indicative and may be subject to change following consultation feedback, engagement with stakeholders, completion of surveys and ongoing design.
3. All access arrangements are subject to agreement with Lincolnshire County Council.
4. It is anticipated that the temporary haul roads and access bellmouths will be removed following completion of the construction stage. However, all access routes and haul roads may be reinstated in the future to allow for major maintenance or renewal work. For routine maintenance and inspection, the proposed indicative permanent access easements would be used.
5. Primary access routes may be used for all construction vehicles. Advanced/mobilisation access routes may be used by a limited number of vehicles for specific activities (e.g. fencing, vegetation clearance, bellmouth construction, etc.).
6. Access routes for abnormal loads, specifically transformers, remain under assessment. Once the assessment is completed, the access routes presented in this drawing will be reviewed to determine the preferred approach for the project.



Coordinate System: British National Grid
Sheet X Centroid Coordinate: 552110.73E Sheet Y Centroid Coordinate: 3767407.45N



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Issue	Date	Remarks	Drawn	Checked	Approved

Title

EGL5
DF2 DESIGN
ONSHORE ACCESS PLAN

nationalgrid

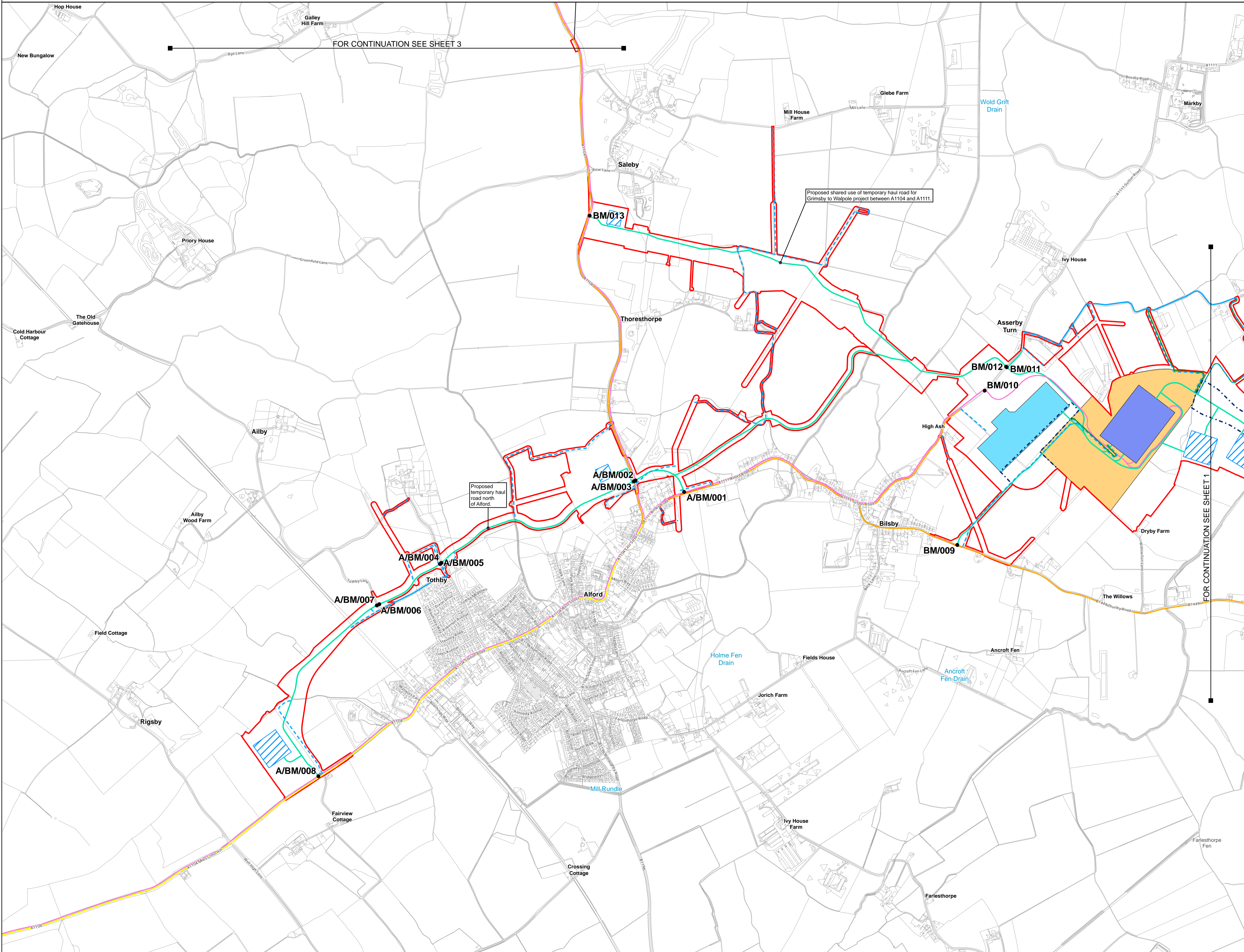
Application Number: -

National Grid Drawing Reference: 118705-MMD-00-XX-DR-CE-0139

Scale	Sheet Size	Sheet	Issue
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EASTERN GREEN LINK (EGL) 5
DF2 DESIGN - ONSHORE ACCESS PLAN
SHEET 2 OF 4

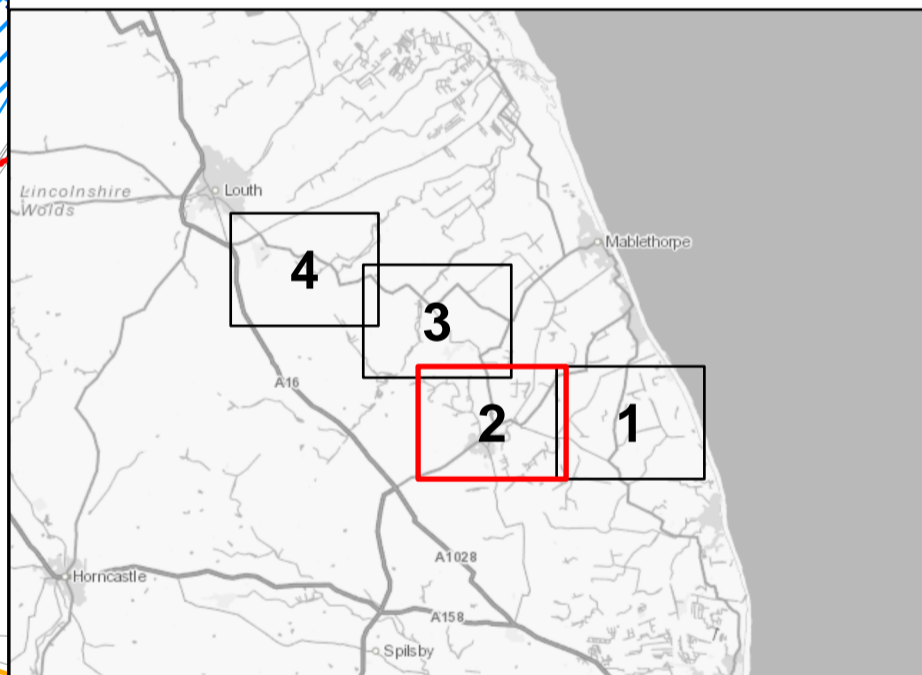


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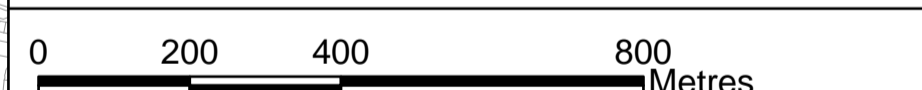
- Draft Order Limits
- Indicative access bellmouth
- Sheet outline
- Indicative temporary haul road
- Indicative permanent converter station access route
- Indicative permanent off-road cable access route
- Indicative highway access route
- Primary (cable drum - abnormal indivisible load)
- Primary (construction)
- Advanced/mobilisation (restricted)
- Advanced/mobilisation (restricted) - off-road access route
- Indicative limit of deviation
- Indicative construction compound location
- Indicative Lincolnshire Connection Substation B
- Indicative zone for converter station
- Indicative converter station siting

Notes

1. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
2. This drawing is prepared for the purpose of statutory consultation. All information shown is indicative and may be subject to change following consultation feedback, engagement with stakeholders, completion of surveys and ongoing design.
3. All access arrangements are subject to agreement with Lincolnshire County Council.
4. It is anticipated that the temporary haul roads and access bellmouths will be removed following completion of the construction stage. However, all access routes and haul roads may be reinstated in the future to allow for major maintenance or renewal work. For routine maintenance and inspection, the proposed indicative permanent access easements would be used.
5. Primary access routes may be used for all construction vehicles. Advanced/mobilisation access routes may be used by a limited number of vehicles for specific activities (e.g. fencing, vegetation clearance, bellmouth construction, etc.).
6. Indicative Lincolnshire Connection Substation B is proposed as part of the Grimsby to Walpole project.
7. Access routes for abnormal loads, specifically transformers, remain under assessment. Once the assessment is completed, the access routes presented in this drawing will be reviewed to determine the preferred approach for the project.



Coordinate System: British National Grid
Sheet X Centroid Coordinate: 545706.42E Sheet Y Centroid Coordinate: 376707.45N



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P01	15/04/2026	FIRST ISSUE	CF	CK	JW
Issue	Date	Remarks	Drawn	Checked	Approved

Title

EGL5
DF2 DESIGN
ONSHORE ACCESS PLAN

Application Number

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National Grid Drawing Reference

118705-MMD-00-XX-DR-CE-0139

Scale	Sheet Size	Sheet	Issue
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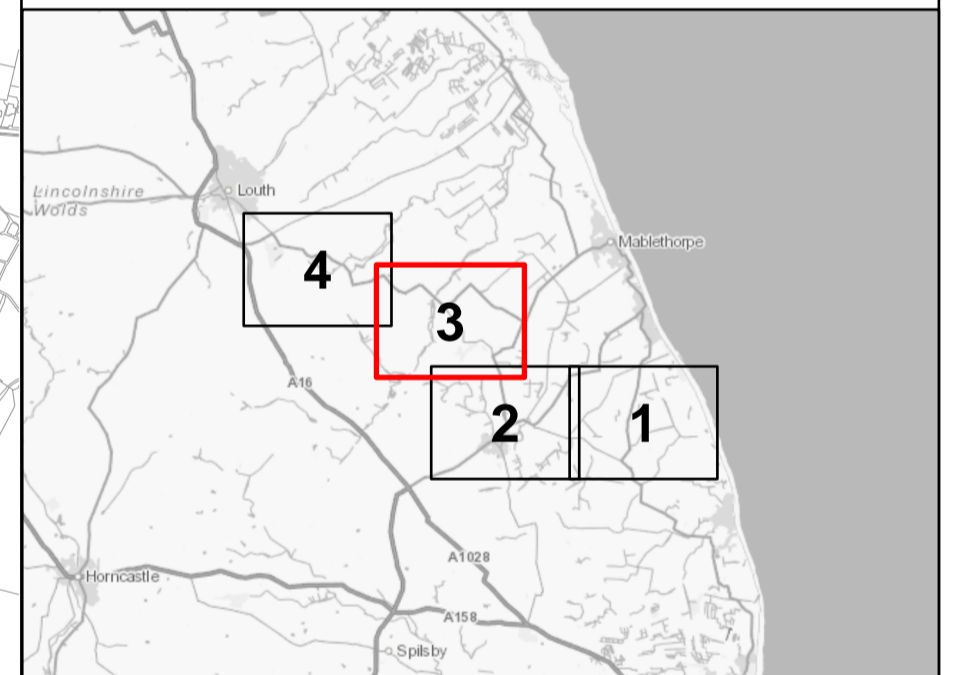


EASTERN GREEN LINK (EGL) 5
DF2 DESIGN - ONSHORE ACCESS PLAN
SHEET 3 OF 4

- Legend**
- Draft Order Limits
 - Sheet outline
 - Indicative permanent converter station access route
 - Indicative highway access route
 - Primary (cable drum - abnormal indivisible load)



- Notes**
1. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
 2. This drawing is prepared for the purpose of statutory consultation. All information shown is indicative and may be subject to change following consultation feedback, engagement with stakeholders, completion of surveys and ongoing design.
 3. All access arrangements are subject to agreement with Lincolnshire County Council.
 4. It is anticipated that the temporary haul roads and access footpaths will be removed following completion of the construction stage. However, all access routes and haul roads may be reinstated in the future to allow for major maintenance or renewal work. For routine maintenance and inspection, the proposed indicative permanent access assessments would be used.
 5. Primary access routes may be used for all construction vehicles. Advanced/mobilisation access routes may be used by a limited number of vehicles for specific activities (e.g. fencing, vegetation clearance, ballmouth construction, etc.).
 6. Access routes for abnormal loads, specifically transformers, remain under assessment. Once the assessment is completed, the access routes presented in this drawing will be reviewed to determine the preferred approach for the project.



Coordinate System: British National Grid
Sheet X Centroid Coordinate: 543168.59E Sheet Y Centroid Coordinate: 381406.91N



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P01	15/04/2026	FIRST ISSUE	CF	CK	JW
Issue	Date	Remarks	Drawn	Checked	Approved

Title

**EGL5
DF2 DESIGN
ONSHORE ACCESS PLAN**

Application Number

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National Grid Drawing Reference

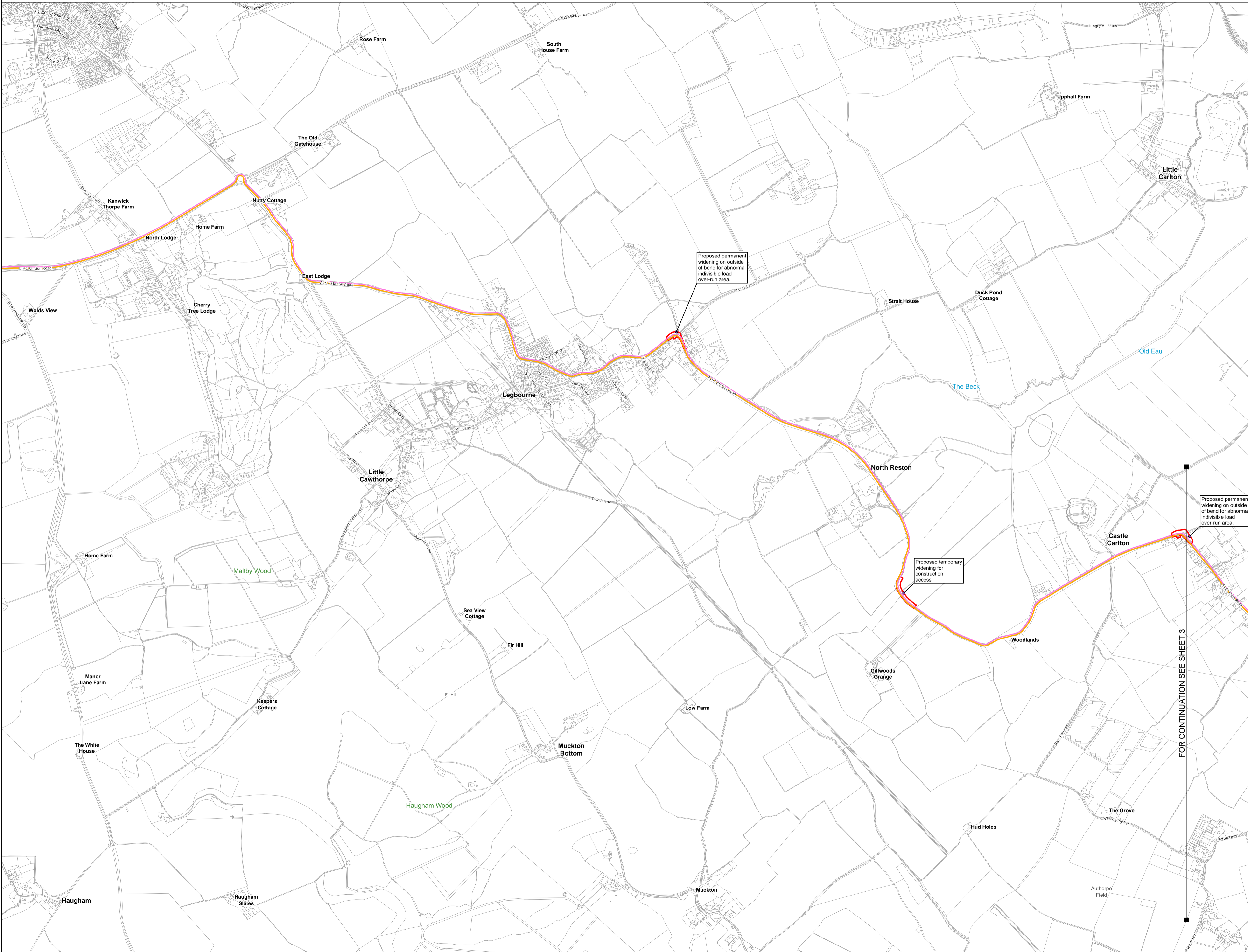
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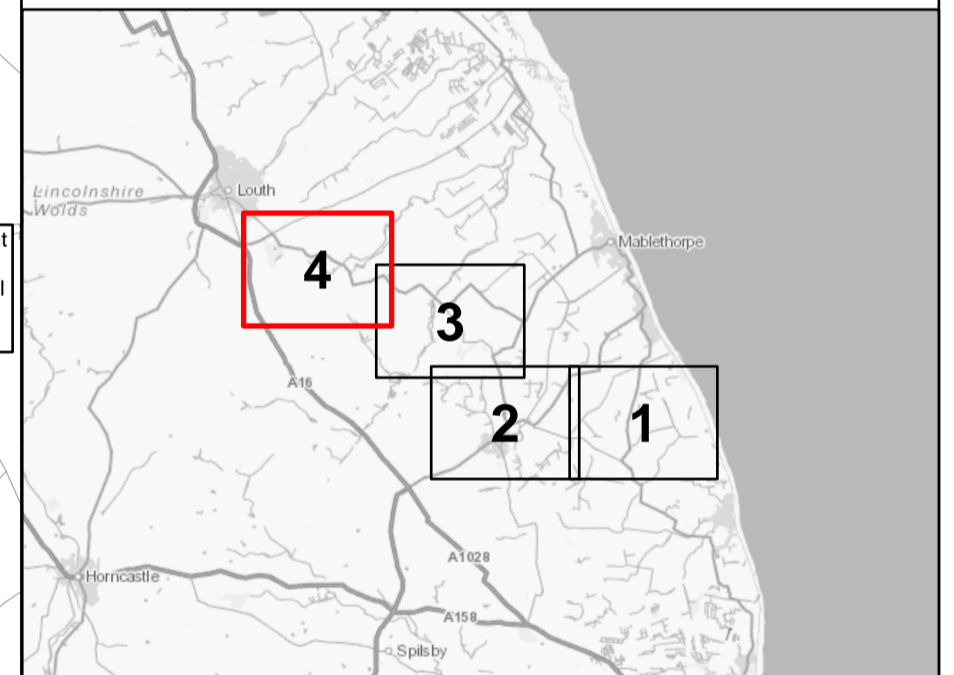


EASTERN GREEN LINK (EGL) 5
DF2 DESIGN - ONSHORE ACCESS PLAN
SHEET 4 OF 4

- Legend**
- Draft Order Limits
 - Sheet outline
 - Indicative permanent converter station access route
 - Indicative highway access route
 - Primary (cable drum - abnormal indivisible load)



- Notes**
1. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
 2. This drawing is prepared for the purpose of statutory consultation. All information shown is indicative and may be subject to change following consultation feedback, engagement with stakeholders, completion of surveys and ongoing design.
 3. All access arrangements are subject to agreement with Leicestershire County Council.
 4. It is anticipated that the temporary haul roads and access beltmouths will be removed following completion of the construction stage. However, all access routes and haul roads may be reinstated in the future to allow for major maintenance or renewal work. For routine maintenance and inspection, the proposed indicative permanent access assessments would be used.
 5. Primary access routes may be used for all construction vehicles. Advanced mobilisation access routes may be used by a limited number of vehicles for specific activities (e.g. fencing, vegetation clearance, beltmouth construction, etc.).
 6. Access routes for abnormal loads, specifically transformers, remain under assessment. Once the assessment is completed, the access routes presented in this drawing will be reviewed to determine the preferred approach for the project.



Coordinate System: British National Grid
Sheet X Centroid Coordinate: 537023.5E Sheet Y Centroid Coordinate: 383797.61N



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Issue	Date	Remarks	Drawn	Checked	Approved

Title

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Application Number

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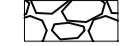


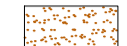




National Grid Drawing Reference

118705-MMD-00-XX-DR-CE-0139

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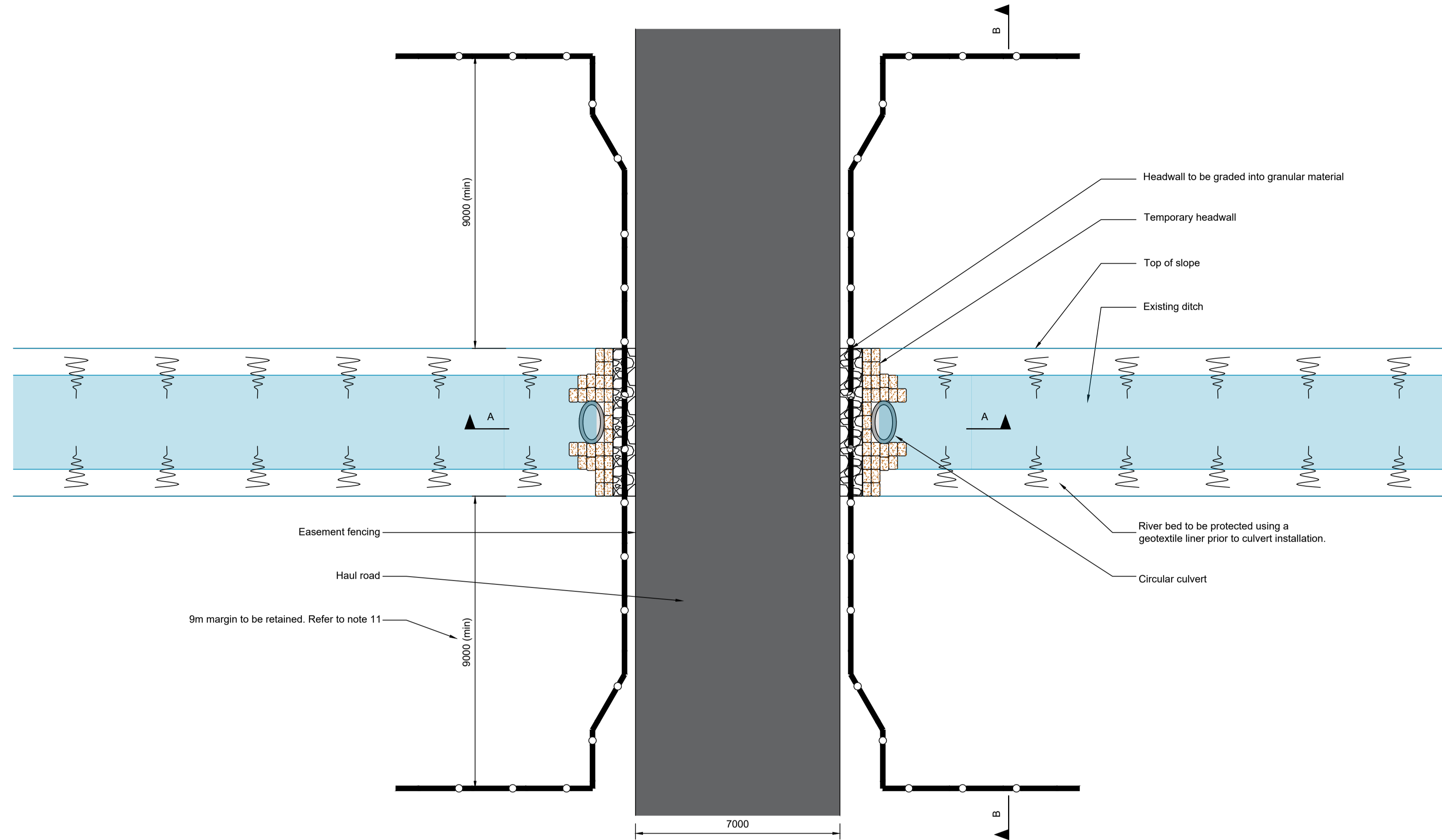
THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

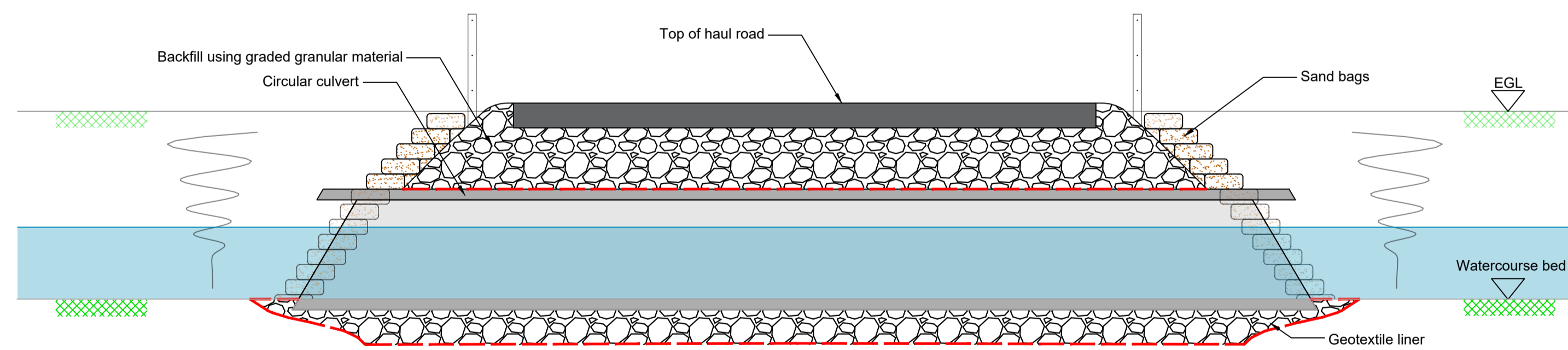
-  Graded granular material
-  Circular culvert
-  Haul road
-  Sand bag
-  Existing ground
-  Existing watercourse
-  Easement fencing
-  Geotextile liner

Notes

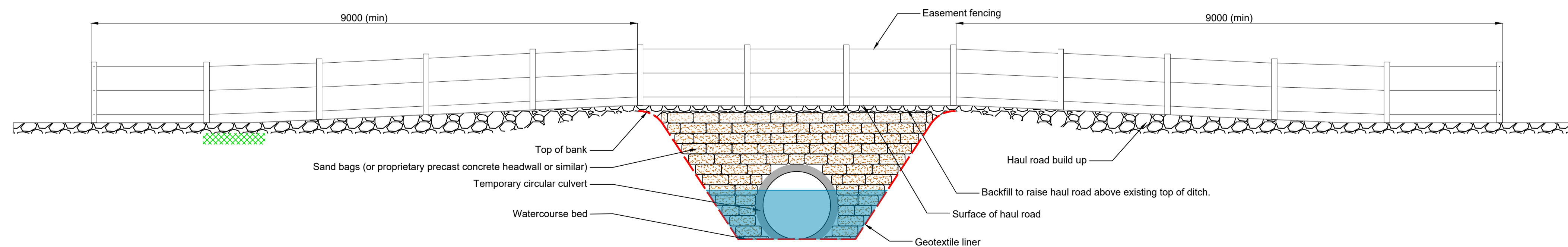
1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation conditions.
6. Typical subsoil and topsoil bunds required for construction have not been shown, for details on these refer to drawing 118705-MMD-00-XX-DR-CE-0003.
7. Required drainage to be considered at later stages of design.
8. Drawing shows typical indicative circular culvert. Dimensions and sizing may vary following the detailed design.
9. Reinstatement should be carried out post construction to the original condition, or an appropriate condition as agreed with relevant stakeholders.
10. Watercourse crossing currently shown as a temporary circular culvert. Porous fill, a box culvert or temporary bridge may be required subject to the size of the watercourse and stakeholder engagement.
11. Where possible, construction swathe to be kept at a 9m (min.) offset from adjacent top of bank to reduce impact of construction activities on the watercourse. Precise offset will depend on site-specific and stakeholder requirements.



Typical Circular Culvert Plan View
 NTS



Section A-A - Cross Section of Circular Culvert along Watercourse
 NTS



Section B-B - Front View of Headwall
 NTS

Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	Final Issue	MJ	GS	JW

Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL CIRCULAR CULVERT

nationalgrid




Application Number

National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0047

Scale	Sheet Size	Sheet	Issue
NOT TO SCALE	A1	SHEET 1 OF 1	P02

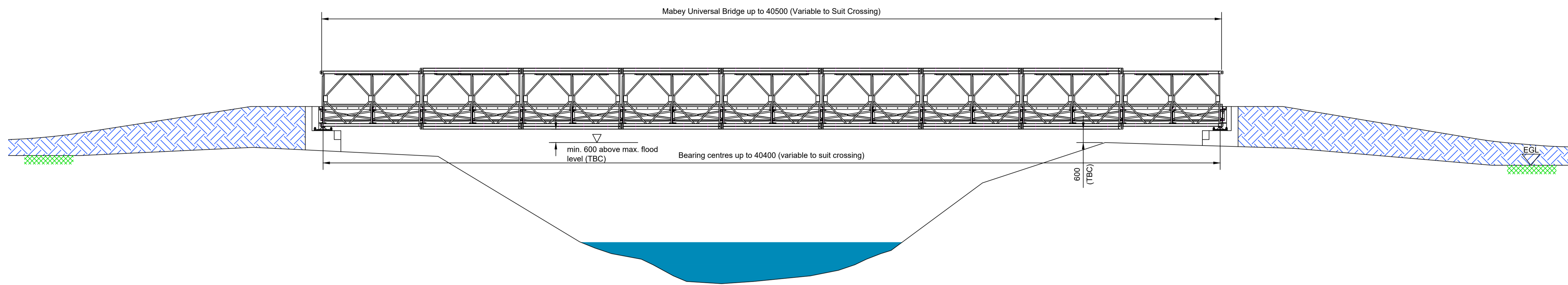
THE NATIONAL GRID (TBC) ORDER
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 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

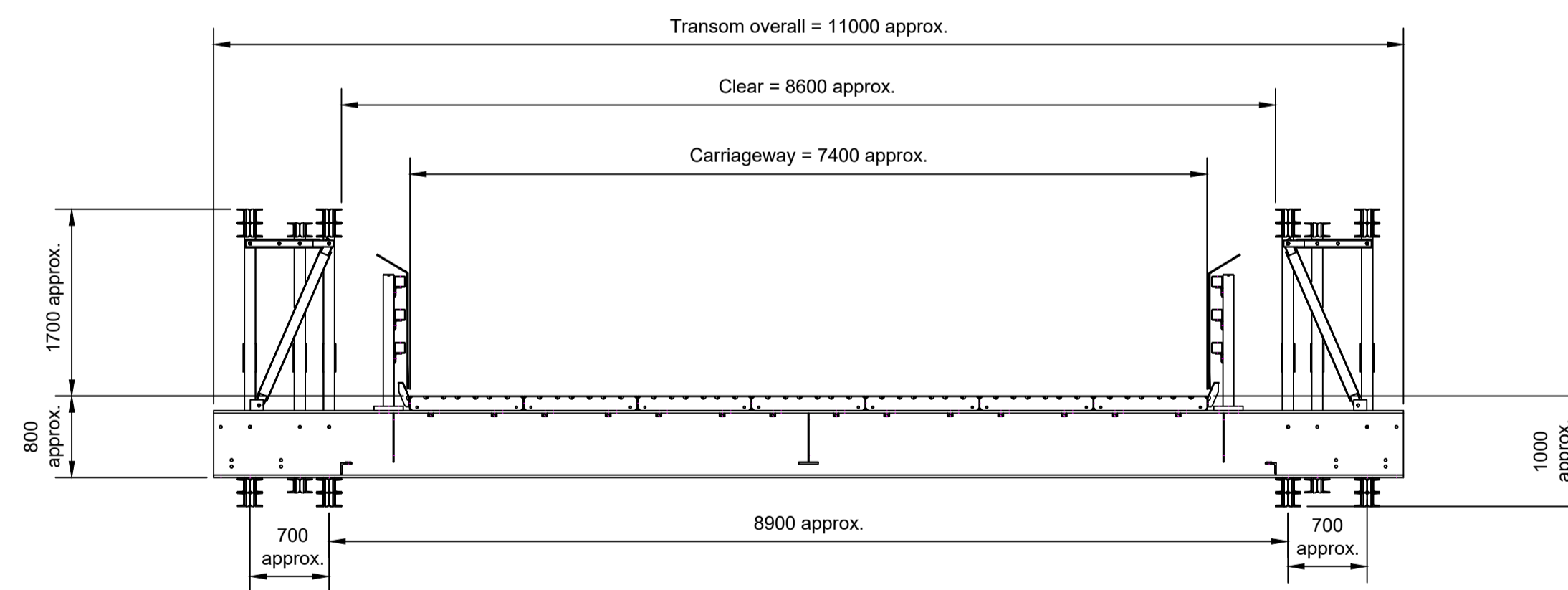
-  Well-compacted fill
-  Existing ground
-  Existing watercourse

Notes

1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation requirements.
6. All structural arrangements of bridge shown indicatively, dimensions subject to 3rd party discussions, on site survey results and design development.
7. Temporary bridge based on Mabey Universal bridge information (received 21.05.2013). Other bridge design may be used, subject to contractor requirements and detailed design.
8. Foundation details shown indicatively. Subject to ground conditions, bridge type and loading, this may require piling.
9. Required drainage to be considered at later stages of design.
10. Reinstatement should be carried out post construction to the original condition, or an appropriate condition as agreed with relevant stakeholders.
11. Watercourse crossing currently shown as a temporary bridge. A temporary box or circular culvert may be required subject to the size of the watercourse and stakeholder engagement.



Temporary Bridge Elevation
 NTS



Typical Section: Temporary Bridge Example
 (2 lanes)
 NTS

Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EASTERN GREEN LINK 5
 TYPICAL BRIDGE CROSSING

nationalgrid

Application Number

National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0049

Scale	Sheet Size	Sheet	Issue
NOT TO SCALE	A1	SHEET 1 OF 1	P02

06. Onshore Construction Drawings



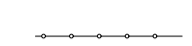



06. Onshore Construction Drawings

Category	Plan Title	Drawing Reference
Standard Detail Drawings & Statutory Consultation Plans		
Onshore Construction Drawings	Typical Construction Compound (Main)	118705-MMD-00-XX-DR-CE-0050
	Typical Construction Compound (Satellite)	118705-MMD-00-XX-DR-ZZ-0086
	Typical Converter Station Construction Compound	118705-MMD-00-XX-DR-ZZ-0057
	Typical HVDC Construction Swathe	118705-MMD-00-XX-DR-CE-0003
	Typical HVAC Construction Swathe	118705-MMD-00-XX-DR-CE-0004
	Typical HVDC Trenchless Crossing Construction Compound	118705-MMD-00-XX-DR-CE-0051
	Typical Bellmouth and Visibility Splay	118705-MMD-00-XX-DR-CE-0054
	Typical Haul Road	118705-MMD-00-XX-DR-CE-0053

To assist with understanding these drawings please see the [Guide to Consultation Documents and Drawings](#).

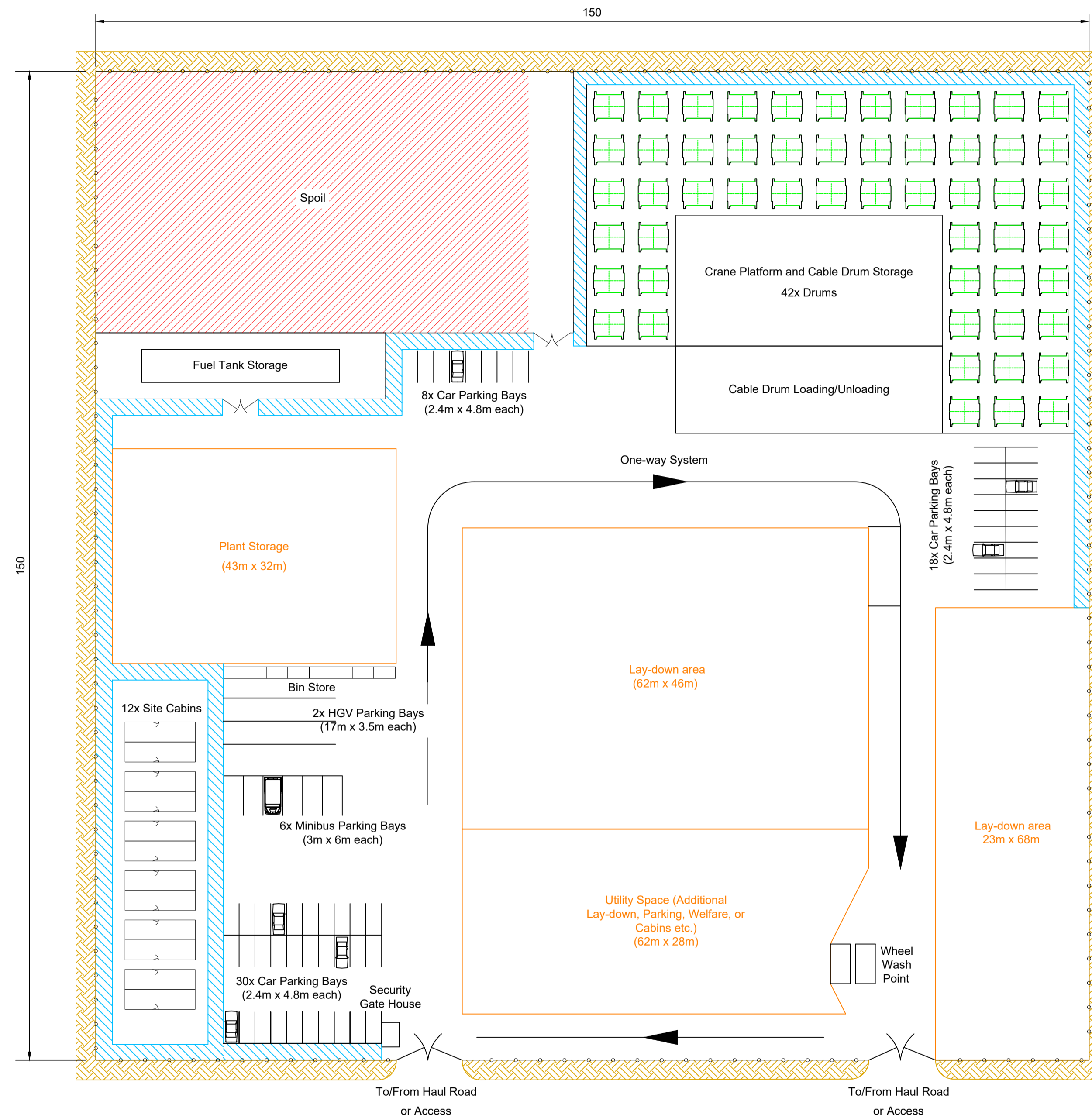
THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

-  Pedestrian Access
-  Spoil
-  Security Fenceline
-  Cable Drum
-  Lay-down / Storage Area
-  Soil Bund (see note 5)

Notes

1. Do not scale from this drawing.
2. All dimensions are in metres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. Soil bund provided as potential storage and/or to reduce noise and visual impact. Suitable gaps/drainage pipes may be required where surface water management dictates. Final arrangement to be determined at later stages of design. Maximum height of topsoil bunds to be approximately 2.5m.
6. Dimensions and layout arrangement shown is indicative only. Design will vary according to project specifics, site constraints, available area and the Contractor's requirements.
7. Drainage details not included on the drawing. Subject to ground conditions this may involve attenuation pond(s) and/ or Septic Tank.
8. Total area of the main construction compound shall be assumed to be up to 2.3ha.
9. The Contractor may also include a Concrete Batching Plant, dependent on their requirements at given locations. TBC by the Contractor at a later stage.



Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P03	15/04/2026	Third Issue	ZZ	CK	JW
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL CABLE
 CONSTRUCTION COMPOUND

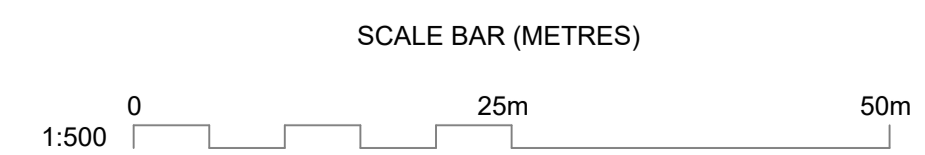


Application Number

National Grid Drawing Reference


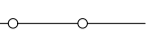


118705-MMD-00-XX-DR-CE-0050

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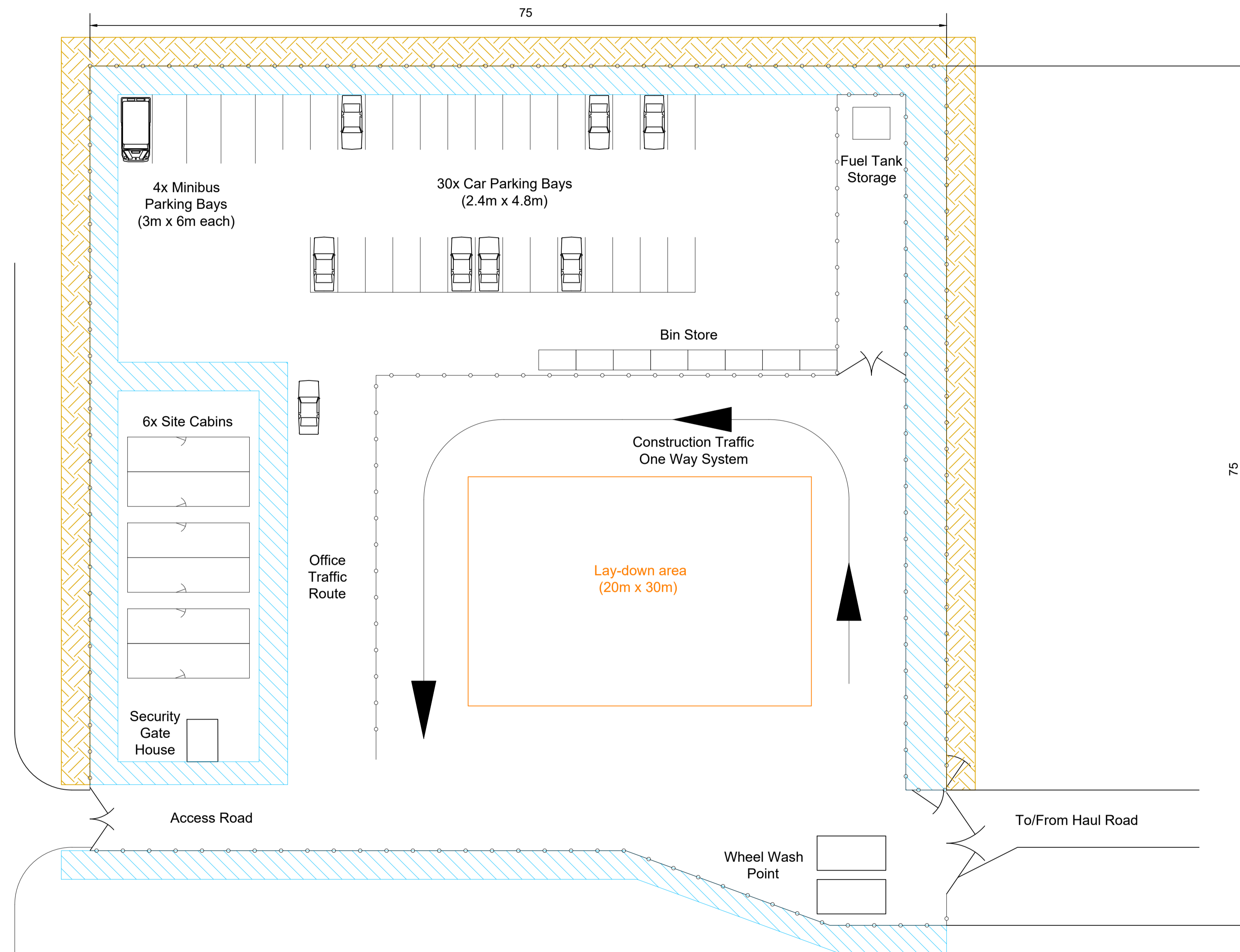
THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

-  Pedestrian Access
-  Security Fenceline
-  Lay-down / Storage Area
-  Soil Bund (see Note 5)

Notes

1. Do not scale from this drawing.
2. All dimensions are in metres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. Soil bund provided as potential storage and/or to reduce noise and visual impact of the compound. Suitable gaps/ drainage pipes may be required where surface water management dictates. Final arrangement to be determined at later stages of design. Maximum height of topsoil bunds to be approximately 2.5m.
6. Dimensions and layout arrangement shown is indicative only. Design will vary according to project specifics, site constraints, available area and the Contractor's requirements.
7. Drainage details not included on the drawing. Subject to ground conditions this may involve attenuation pond and/ or Septic Tank.



Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
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P01	28/10/2025	First Issue	ZZ	CK	MP

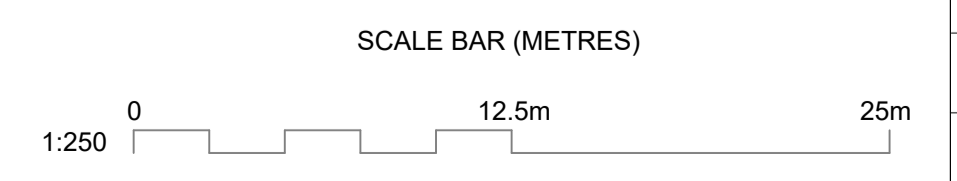
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 (TBC) ORDER
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 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 SATELLITE COMPOUND
 STANDARD DETAIL DRAWING

nationalgrid

Application Number



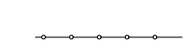


National Grid Drawing Reference

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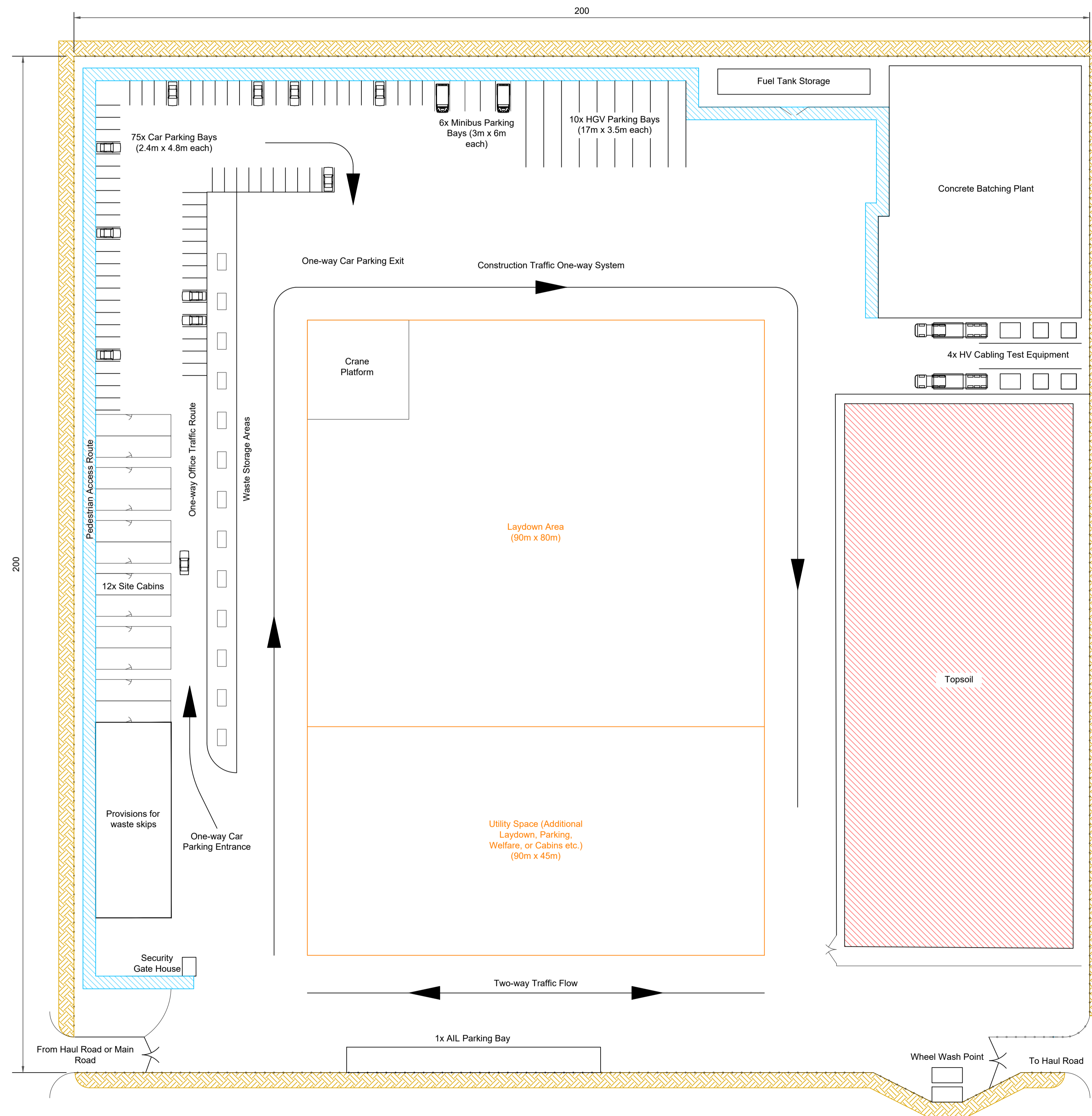
THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

-  Pedestrian Access
-  Spoil
-  Security Fenceline
-  Lay-down / Storage Area
-  Soil Bund (see Note 5)

Notes

1. Do not scale from this drawing.
2. All dimensions are in metres/millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. Soil bund provided as potential storage and/or to reduce noise and visual impact of the compound. Suitable gaps/ drainage pipes may be required where surface water management dictates. Final arrangement to be determined at later stages of design. Maximum height of topsoil bunds to be approximately 2.5m.
6. Dimensions and layout arrangement shown is indicative only. Design will vary according to project specifics, site constraints, available area and the Contractor's requirements.
7. Drainage details not included on the drawing. Subject to ground conditions this may involve attenuation pond(s) and/ or Septic Tank.
8. Total area of the main construction compound shall be assumed to be up to 4ha.
9. The contractor may include a concrete batching plant dependent on their requirements. Batching plant area shown indicatively.



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Issue	Date	Remarks	Drawn	Checked	Approved
P03	15/04/2026	Third Issue	ZZ	CK	JW
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

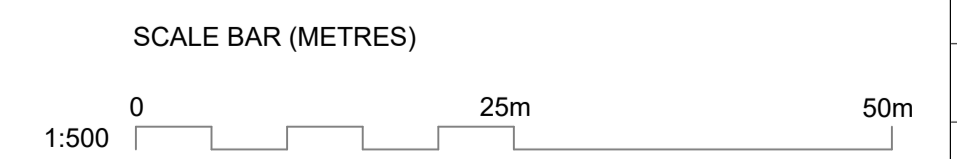
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 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL CONVERTER STATION
 CONSTRUCTION COMPOUND



Application Number











National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0057

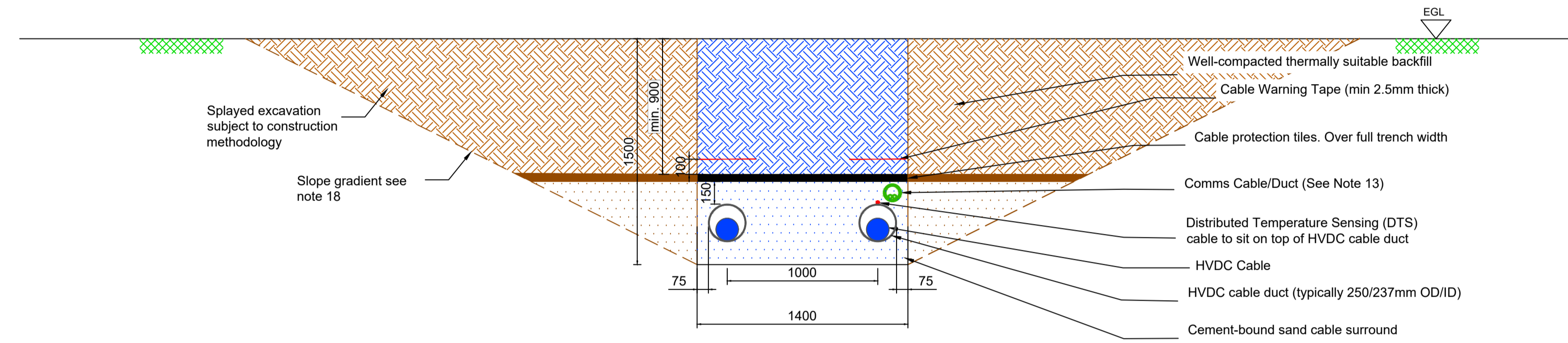
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THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

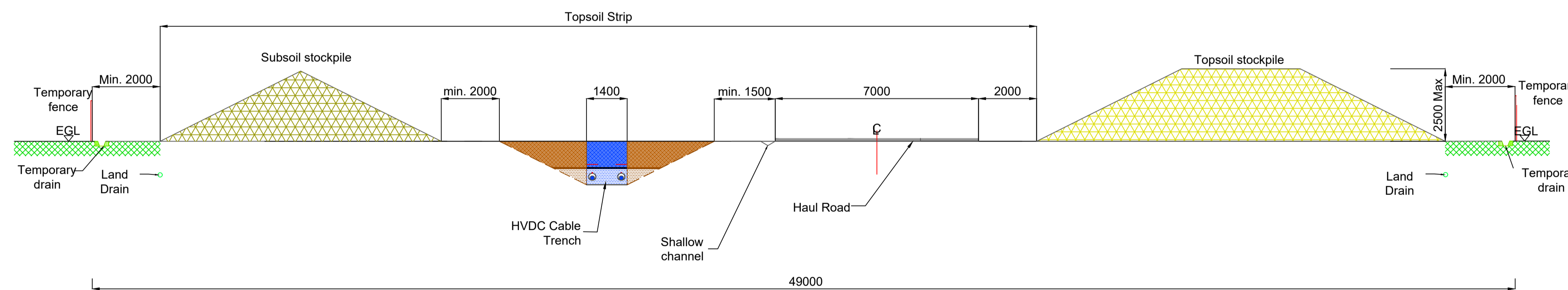
-  Well-compacted thermally suitable backfill
-  Well-compacted thermally suitable backfill (Splayed Excavation)
-  Cement-bound sand cable surround
-  Cement-bound sand cable surround (Splayed Excavation)
-  Cable protection tiles
-  Cable warning tape
-  Topsoil stockpile
-  Subsoil stockpile
-  Existing Ground
-  Haul Road/ Temporary Footway



Ducted Cable Cross Sections
 Scale 1:25

Notes

1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation conditions.
6. Cable construction swathe may reduce in width subject to site constraints. At these locations, associated topsoil and subsoil will be stored elsewhere along the route.
7. Easements may increase in width when crossing features.
8. Haul road and temporary footway dimensions and depths are subject to vehicle requirements and ground conditions.
9. Land drainage shown indicatively, requirements subject to field and stakeholder requirements.
10. Drainage ditches shown indicatively, requirements subject to site conditions and construction methodology.
11. Topsoil/Subsoil bund sizes and requirements may vary subject to site location. Particularly in flood zone areas where gaps within bunds may be required.
12. Cable construction swathe and permanent cable easement widths may increase at crossing locations such as trenchless crossing sites.
13. Comms cable/duct currently shown indicatively in trench. Exact location to be agreed at later stage of design.
14. If surplus subsoil arises from these works, the Contractor is to remove this from the site.
15. This method assumes a ducted solution and is shown indicatively. Should a direct buried solution be used, this arrangement must be reviewed.
16. The design and installation of HV cables and ducts shall be in accordance with relevant national design standards and National Grid technical specifications.
17. The slope angles shown for the splayed excavation are indicative and subject to further assessment. Vertical excavations with appropriate trench supports may be used in certain locations.
18. The slope gradient displayed is indicative (shown as 1:2), however this is subject to change at later stages of design.
19. Trench backfill to comprise replacement of natural soils compacted to a bulk density similar to that of adjacent, undisturbed soils. If natural soils are not thermally suitable, alternative thermally suitable backfill will be required.



Typical Construction Swathe
 Scale 1:100

Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P04	15/04/2026	Fourth Issue	ZZ	CK	JW
P03	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P02	21/07/25	Second Issue	JS	GS	JW
P01	08/05/24	First Issue	JS	EVI	JW

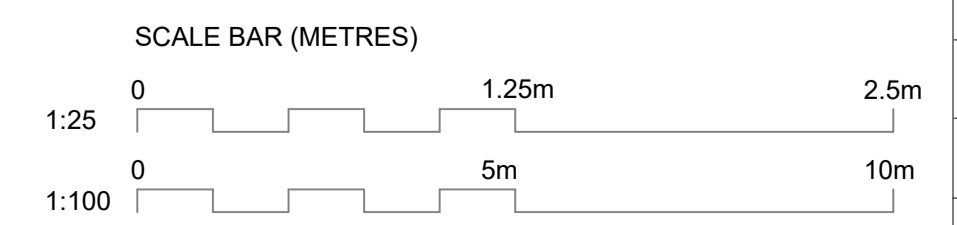
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 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL HVDC CONSTRUCTION SWATHES



Application Number -











National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0003

Scale	Sheet Size	Sheet	Issue
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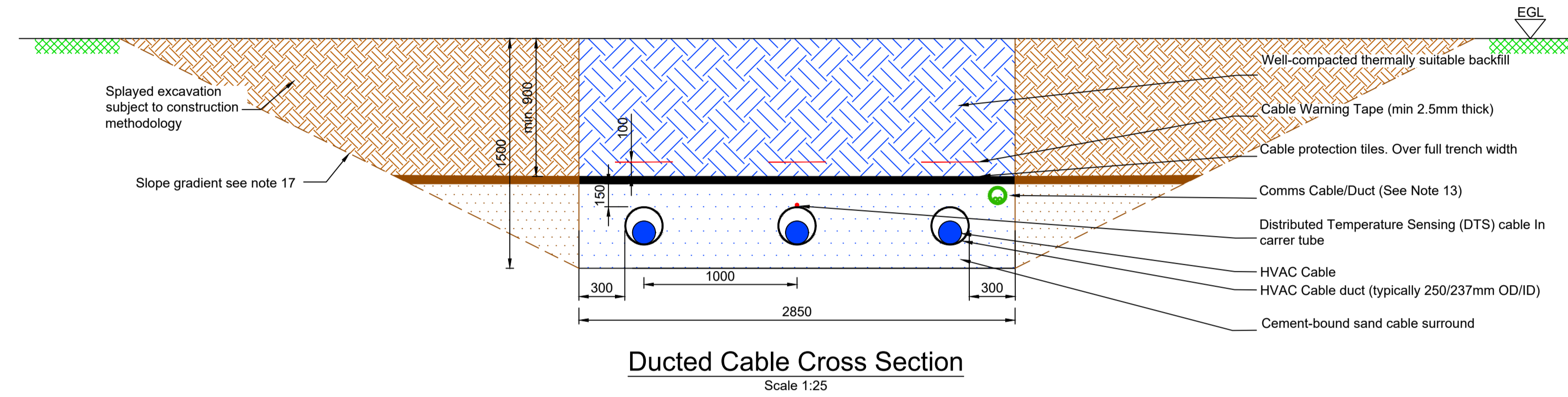
THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

-  Well-compacted thermally suitable backfill
-  Well-compacted thermally suitable backfill (Splayed Excavation)
-  Cement-bound sand cable surround
-  Cement-bound sand cable surround (Splayed Excavation)
-  Cable protection tiles
-  Cable warning tape
-  Topsoil stockpile
-  Subsoil stockpile
-  Existing Ground
-  Haul Road/ Temporary Footway

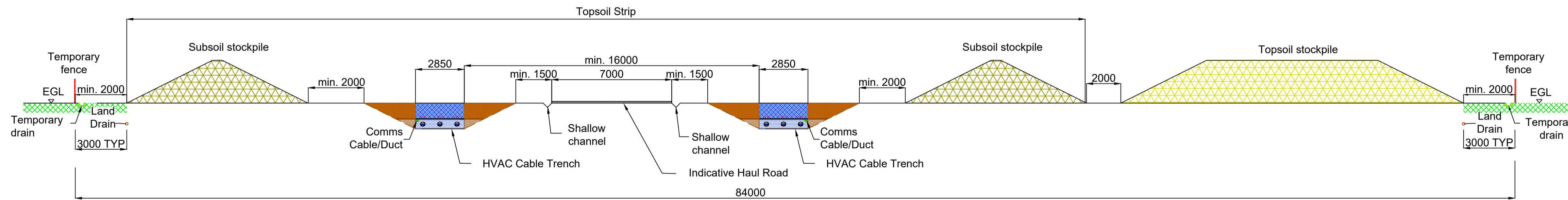
Notes

1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation conditions.
6. Cable construction swathe may reduce in width subject to site constraints. At these locations, associated topsoil and subsoil will be stored elsewhere along the route.
7. Easements may increase in width when crossing features.
8. Haul road and temporary footway dimensions and depths are subject to vehicle requirements and ground conditions.
9. Land drainage shown indicatively, requirements subject to field and stakeholder requirements.
10. Drainage ditches shown indicatively, requirements subject to site conditions and construction methodology.
11. Topsoil/Subsoil bund sizes and requirements may vary subject to site location. Particularly in flood zone areas where gaps within bunds may be required.
12. Cable construction swathe and permanent cable easement widths may increase at crossing locations such as trenchless crossing sites.
13. Comms cable/duct currently shown indicatively in trench. Exact location to be agreed at later stage of design.
14. If surplus subsoil arises from these works, the Contractor is to remove this from the site.
15. The design and installation of HV cables and ducts shall be in accordance with relevant national design standards and National Grid technical specifications.
16. The slope angles shown for the splayed excavation are indicative and subject to further assessment. Vertical excavations with appropriate trench supports may be used in certain locations, depending on site conditions.
17. The slope gradient displayed is indicative (shown as 1:2), however this is subject to change at later stages of design.
18. Trench backfill to comprise replacement of natural soils compacted to a bulk density similar to that of adjacent, undisturbed soils. If natural soils are not thermally suitable, alternative thermally suitable backfill will be required.



Ducted Cable Cross Section

Scale 1:25



Typical Construction Swathe - Two Trenches

Scale 1:150

Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P04	15/04/2026	Fourth Issue	ZZ	CK	JW
P03	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P02	21/07/2025	Second Issue	JS	GS	JW
P01	02/05/2024	First Issue	JS	EVI	JW

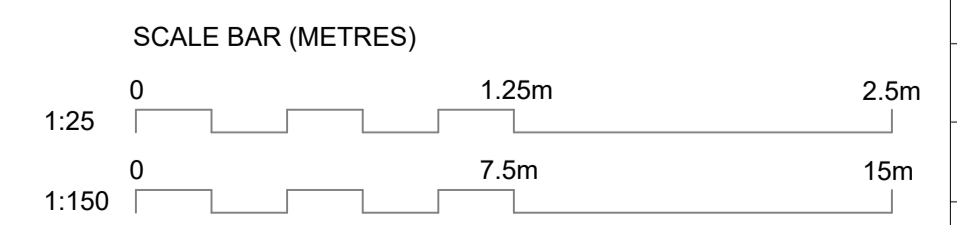
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 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL HVAC CONSTRUCTION
 SWATHE

nationalgrid

Application Number

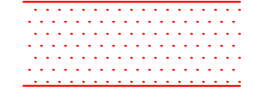

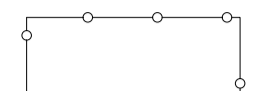
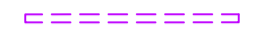

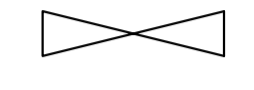


National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0004

Scale	Sheet Size	Sheet	Issue
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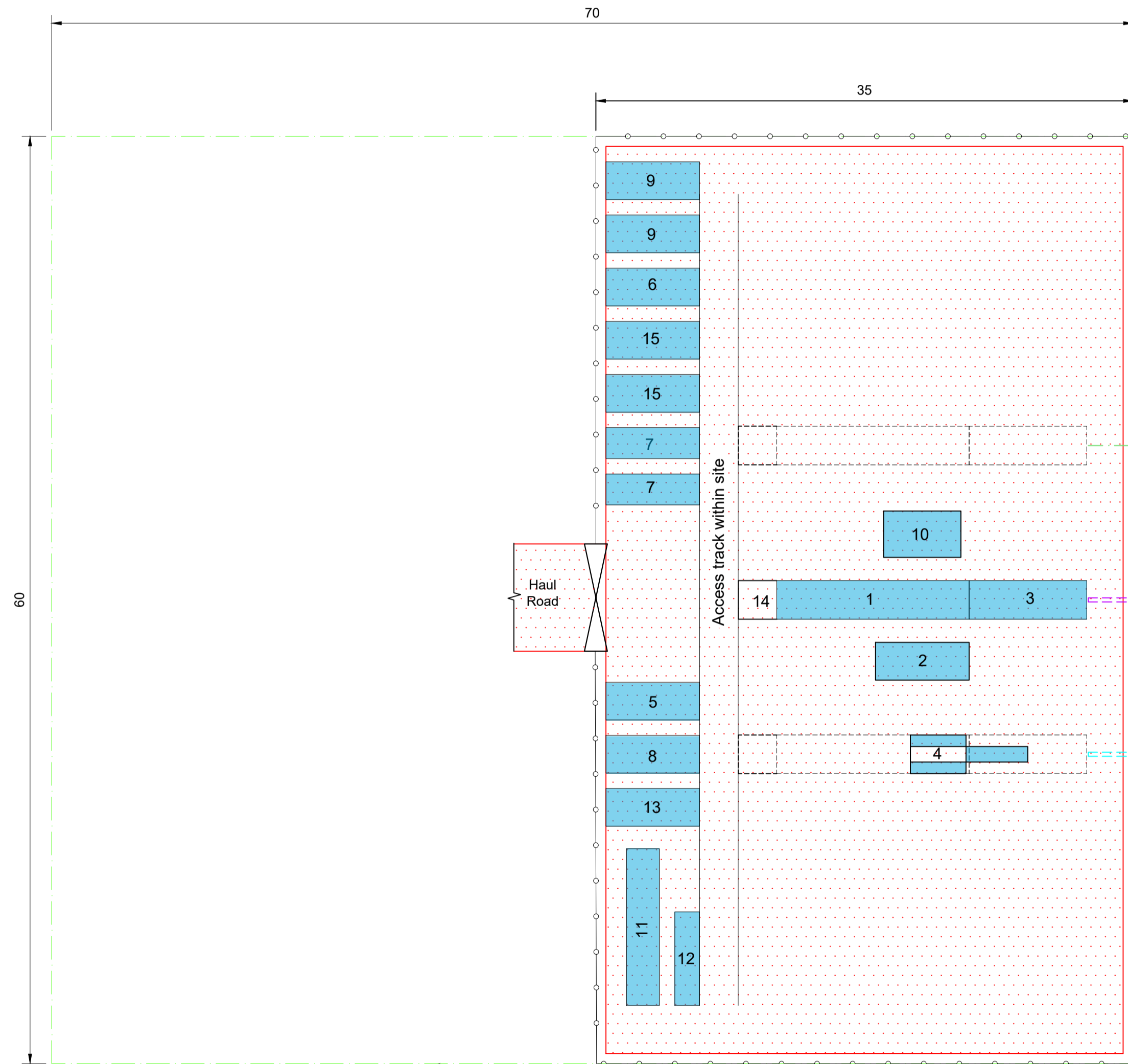


THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

-  Hard Standing/ Gravel Surface
-  Construction Equipment/ Area
-  Fence
-  Cable Duct (Being Installed)
-  Cable Duct (To Be Installed)
-  Gate
-  Alternative Trenchless Crossing Drive Site
-  Comms Cable/Duct

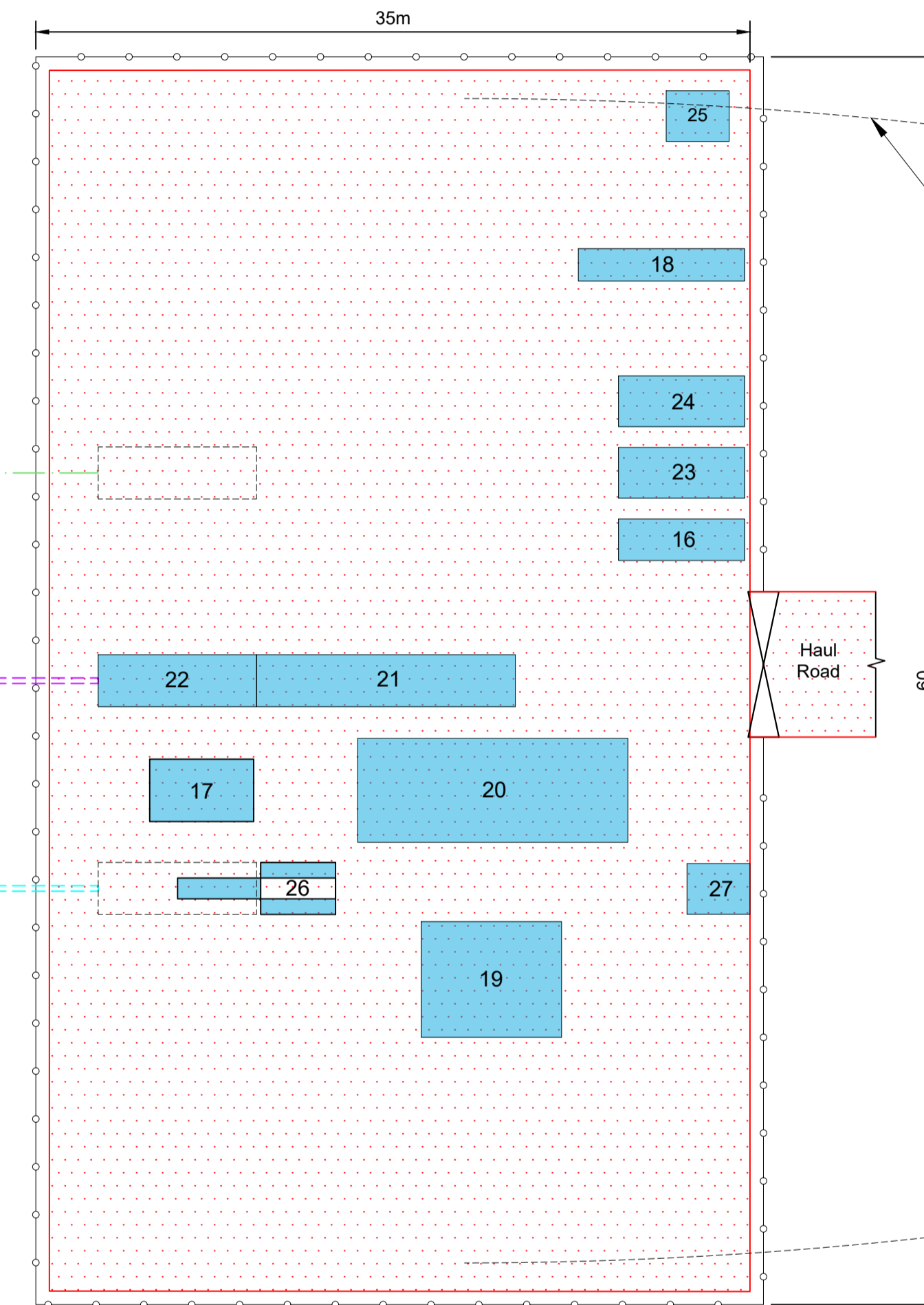
- Reception Site**
- 16. Cuttings
 - 17. Drill Pipes
 - 18. Spares Storage
 - 19. Construction Equipment
 - 20. Product Pipelines
 - 21. Pipeline Rollers
 - 22. Reception Pit
 - 23. Slurry Treatment Plant
 - 24. Slurry Tank
 - 25. Generator
 - 26. Excavator
 - 27. Pump



Drive Site

Drive Site

- 1. Drilling Rig
- 2. Control Cabin
- 3. Launch Pit
- 4. Excavator
- 5. High Pressure Mud Pump
- 6. Slurry Separation Plant
- 7. Cuttings
- 8. Generator
- 9. Slurry Storage
- 10. Pipe Storage
- 11. Store
- 12. Skips
- 13. Office & Welfare
- 14. Working space
- 15. Slurry Mixing Tank



Reception Site

Typical Trenchless Crossing Compound

Scale 1:250

If alternative trenchless crossing methods are required, a larger drive site may be required. An indicative area for comparison has been shown.

Notional temporary swathe for piping stringing - refer to note 16.

Notes

1. Do not scale from this drawing.
2. All dimensions are in metres unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. No unauthorised disclosure, storage or copying.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation conditions.
6. Topsoil/Subsoil bunding not shown on drawing.
7. Compound width may vary subject to length of crossing and handling area needed.
8. The total area of the Trenchless construction compound (including drive and reception sites) shall be assumed as up to 0.42ha. This assumes horizontal directional drilling.
9. Cable spacing based on 10m separation. Spacing may increase/decrease at later stage of design.
10. Drilling area, mud pit and associated construction equipment will move to suit new drill position.
11. Comms cable/ duct currently shown indicatively. Exact location to be agreed at later stage of design.
12. Cable construction swathe and permanent cable easement widths may increase at crossing locations such as HDD sites.
13. HDD is shown in this drawing as a possible example for a trenchless crossing. Alternative crossing methods will be considered at each crossing location at later stages of design, and may require more area than shown.
14. The shape of the available land will impact the site area requirements, irregular sites will generally require more space.
15. For the reception site of a HDD, the drilling fluid may be tankered back to the drilling site, or treated on site. Treatment on site is shown.
16. For HDD, pipe stringing is required equal to the full length of the crossing. The pipes require welding to form the full length pipe string, and hence the main work site will extend temporarily. This is shown as an arc, to allow for pipe bending to return them to the haul road, with length~160m. It is anticipated that this activity can take place within the open cut cable construction corridor.
17. The area between the launch/drilling site and the crossing may require access for monitoring of ground movement, depending on the requirements of the asset being crossed.

Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

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Issue	Date	Remarks	Drawn	Checked	Approved
P03	20/04/2026	Third Issue	ZZ	CK	JW
P02	25/09/2025	Updated for DF2 following comments	ZZ	CK	GS
P01	03/06/2025	First Issue	MJ	GS	JW

Title
 THE NATIONAL GRID
 (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EGL5 TYPICAL TRENCHLESS
 CROSSING COMPOUND - HVDC

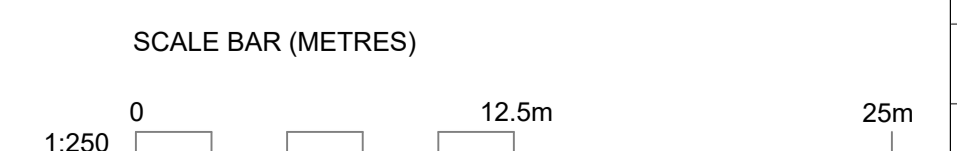
nationalgrid

Application Number

National Grid Drawing Reference

118705-MMD-00-XX-DR-CE-0051

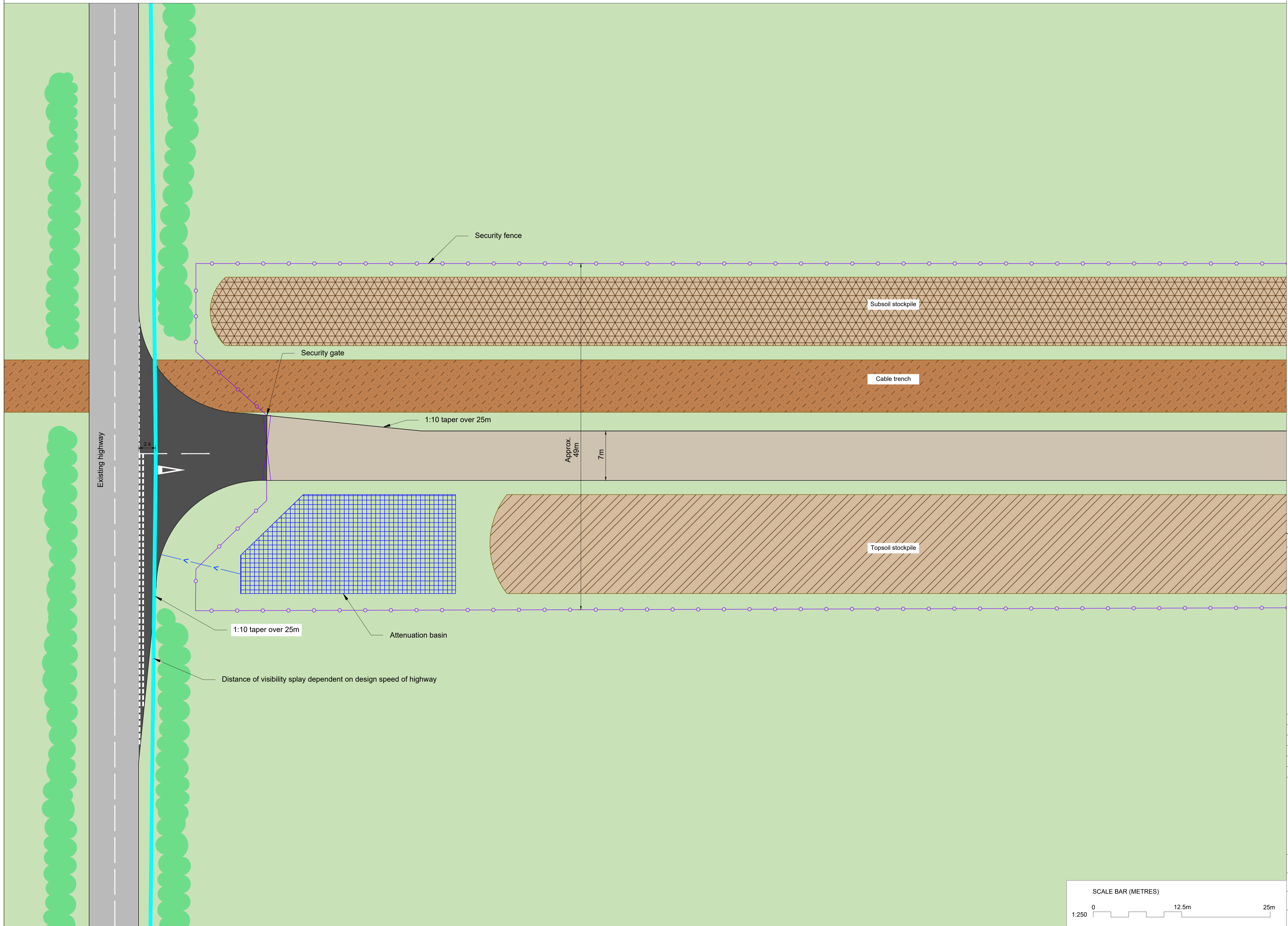
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1:250	A1	SHEET 1 OF 1	P03



THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Notes

1. This drawing is for development purposes only and should not be used for construction.
2. All dimensions are in meters unless otherwise stated.
3. Do not scale any items of information from this drawing.
4. Proposed arrangements shown for indicative purposes only. Dimensions and design may vary following completion of site surveys and the detailed design.
5. Drawing scaled at paper size A1.
6. Alignment/specification of fencing and gates subject to site conditions and contractor requirements.
7. Vegetation clearance and groundwork may be required to facilitate any necessary sight distances.
8. It is anticipated that most bellmouths will operate under priority control. Where required by the local highways authority, the proposed junction would have traffic management and be controlled by traffic signals designed and installed in accordance with Chapter 6 of the Traffic Signs Manual. Appropriate warning signage will be used where necessary.
9. Visibility splays shown on the drawing indicate the visibility currently available on site based on Stopping Sight Distance (SSD) as per CD 109 of the DMRB.
10. For construction of the bellmouths, it is anticipated that temporary road closure or alternate lane closures with traffic signals will be installed.
11. Fencelines to tie into existing fencelines, hedgerows or wall where appropriate.
12. The bellmouths have been designed to guidance provided in the DMRB CD 123 apart from where the bellmouth would only be used for emergency vehicles and monitoring access. In these cases a simple corner radius of 3m has been applied.
13. Cable ducts crossing the public highway are typically installed at the same time as the bellmouths, with cables installed subsequently.



Legend

- Cable trench
- Subsoil stockpile
- Topsoil stockpile
- Existing highway
- Asphalt or similar surfacing, subject to discussion with Local Highway Authority
- Haul road (typically unbound stone surfacing)
- Boundary fence
- Attenuation basin
- Outfall pipe
- Junction line of sight

Issue	Date	Remarks	Drawn	Checked	Approved
P01	15/03/2026	First Issue	ZZ	CK	JW

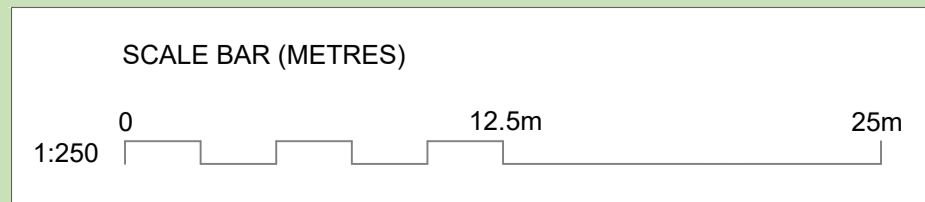
THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EASTERN GREEN LINK 5
 TYPICAL BELLMOUTH DRAWING



Application Number






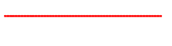


National Grid Drawing Reference
 118705-MMD-00-XX-DR-CE-0054

Scale	Sheet Size	Sheet	Issue
1:250	A1	SHEET 1 OF 1	P01



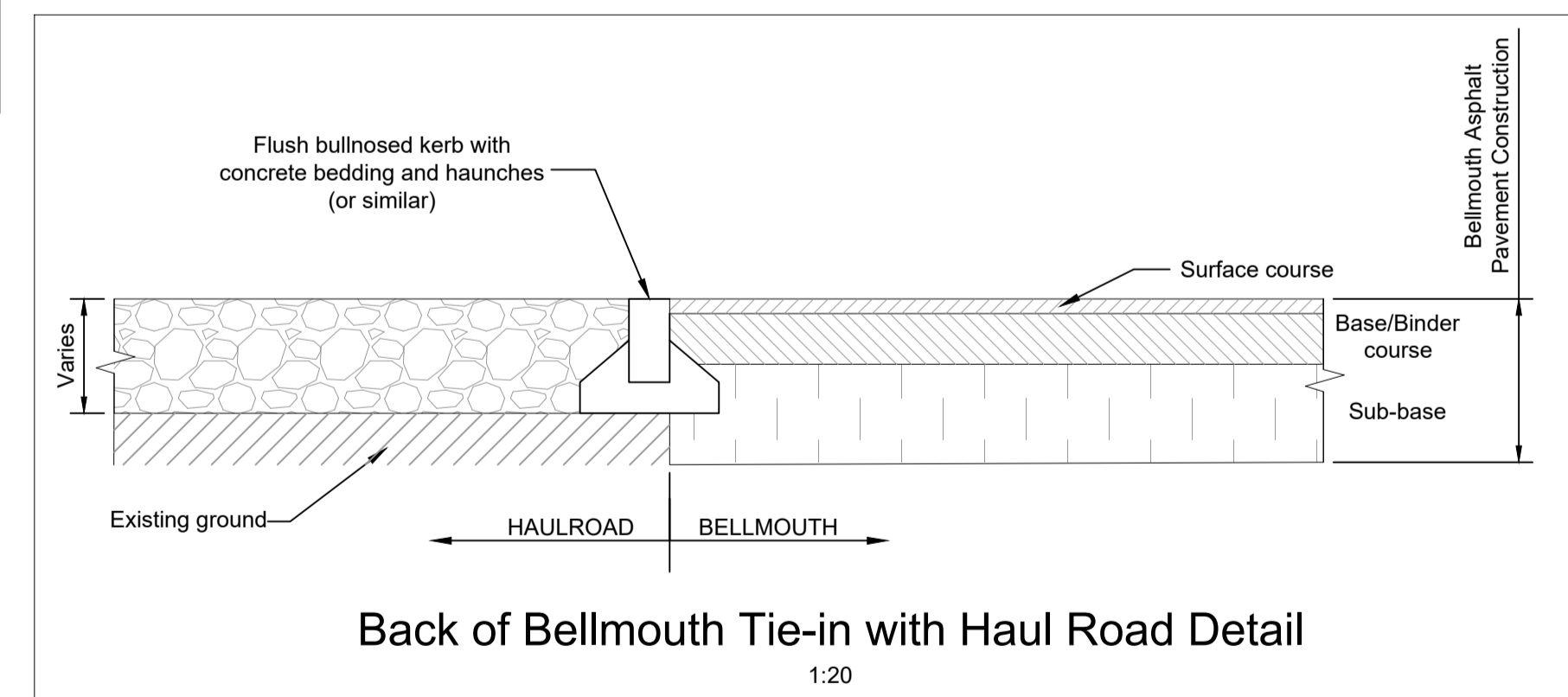
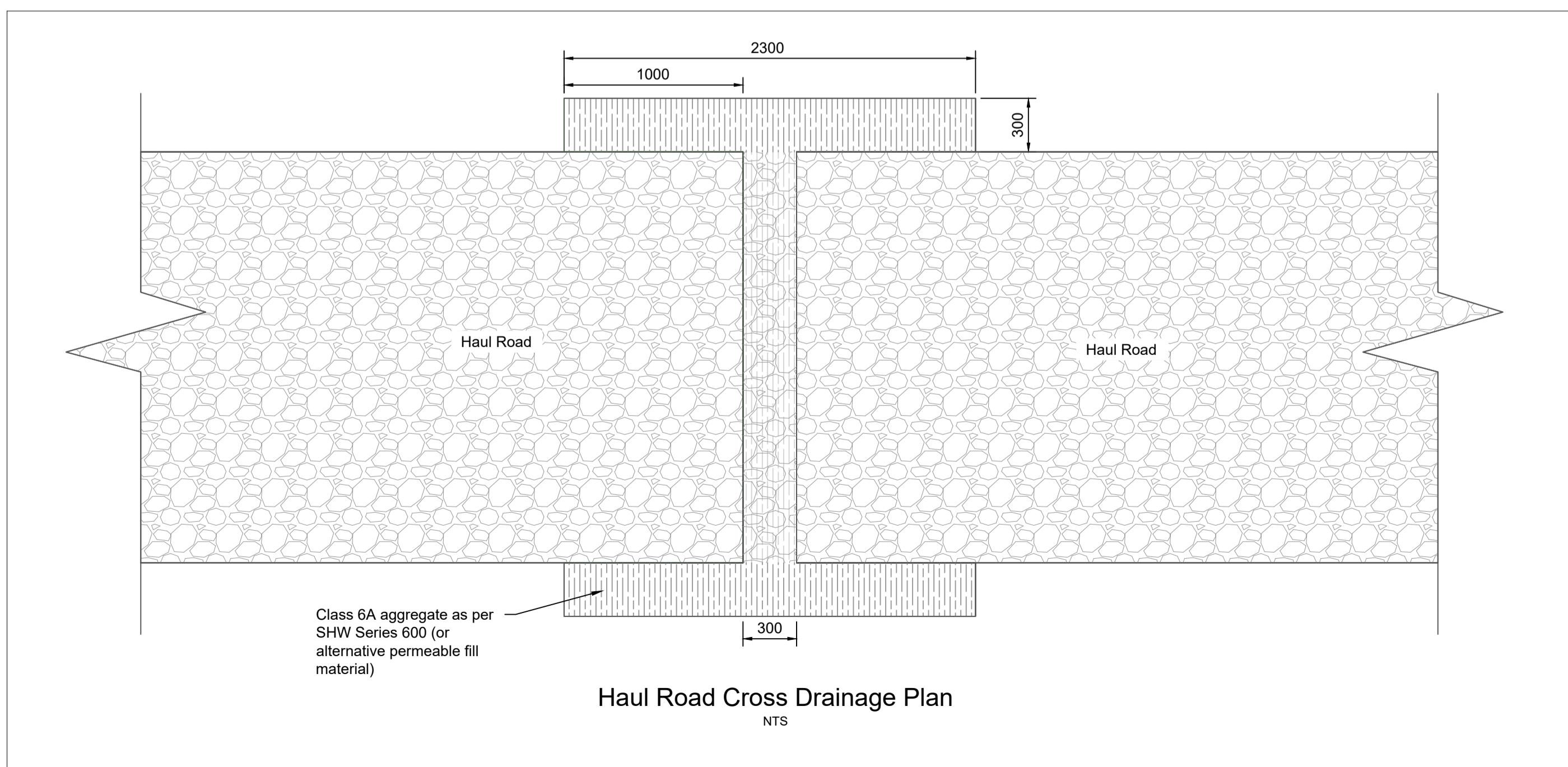
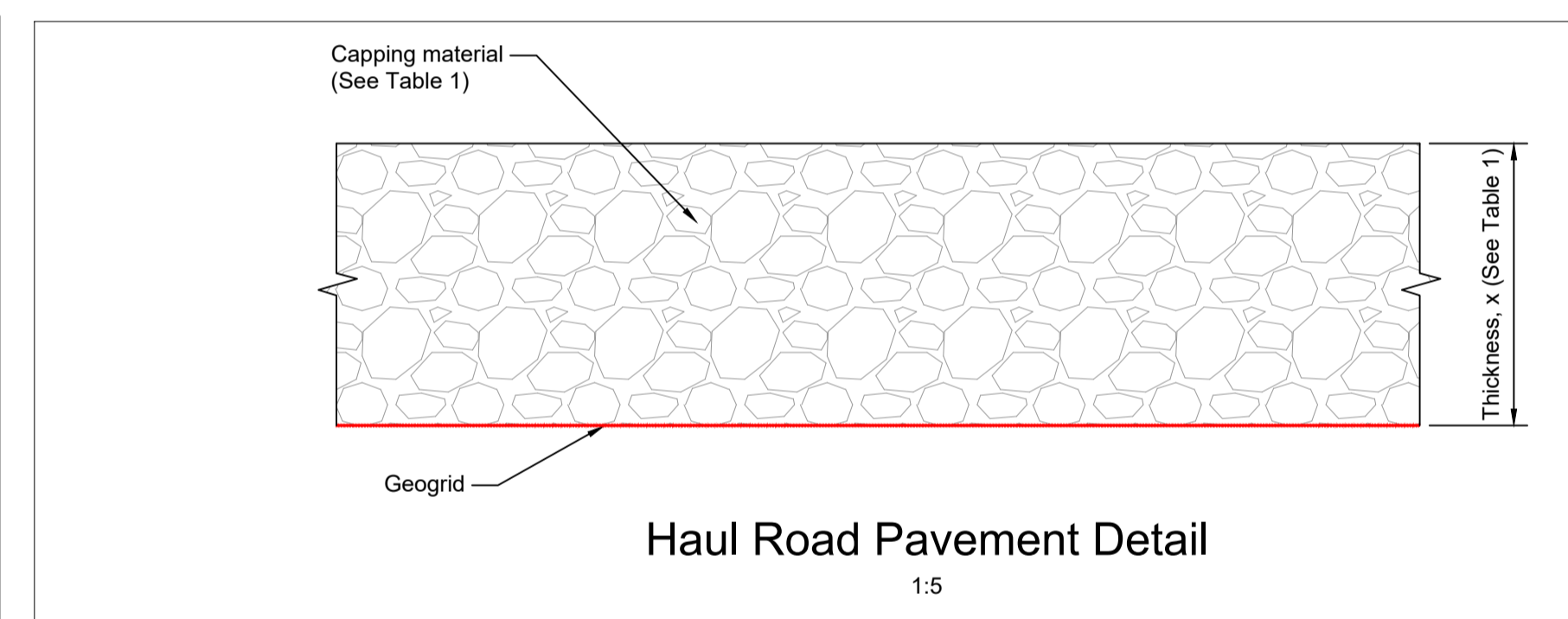
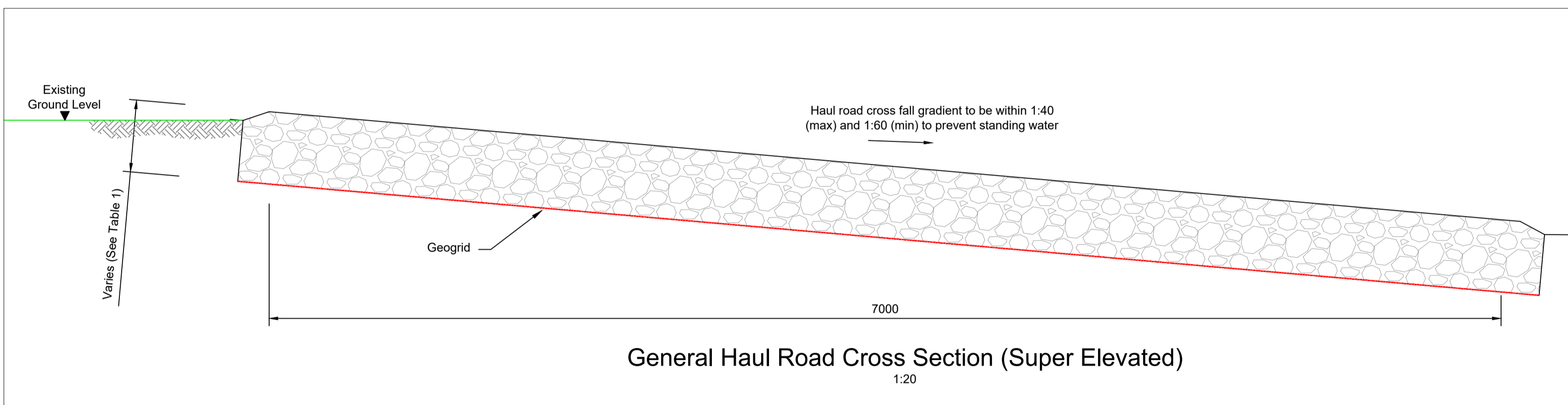
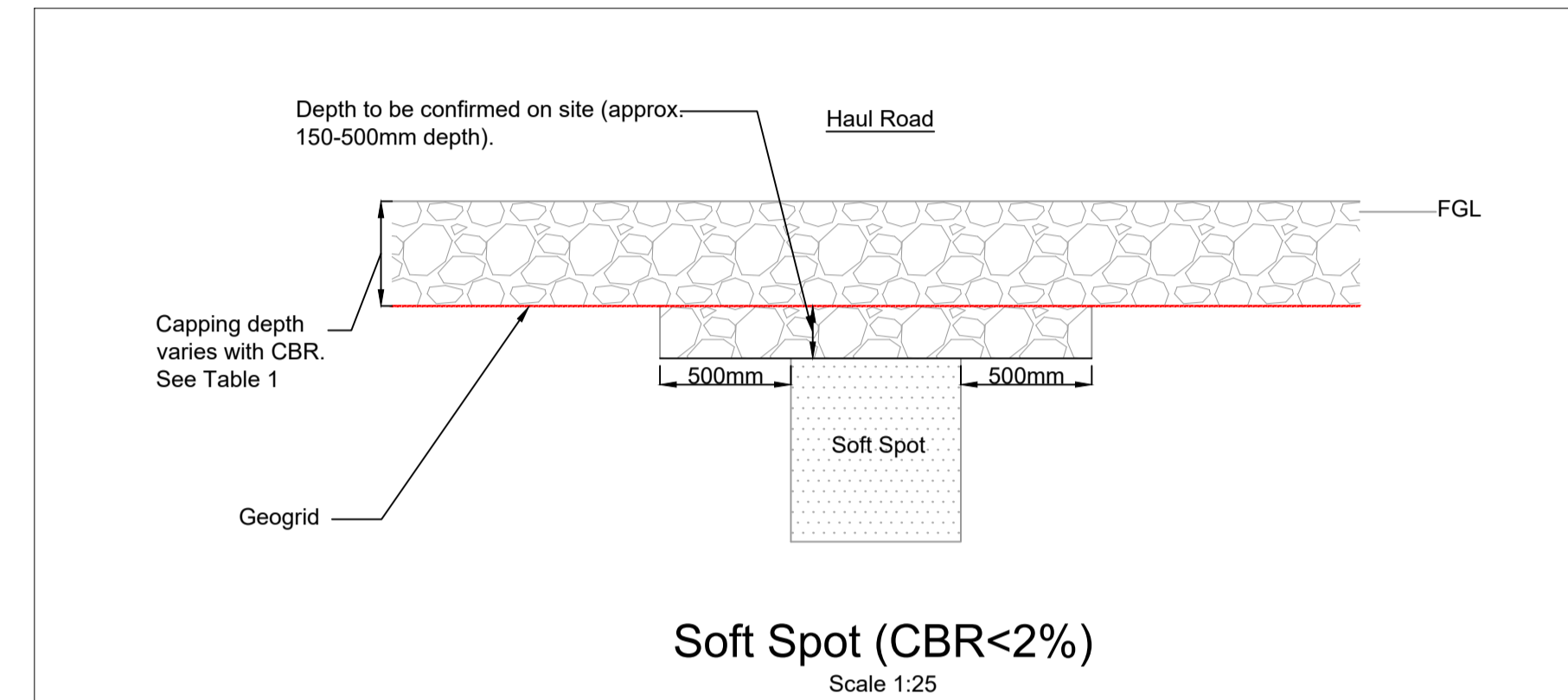
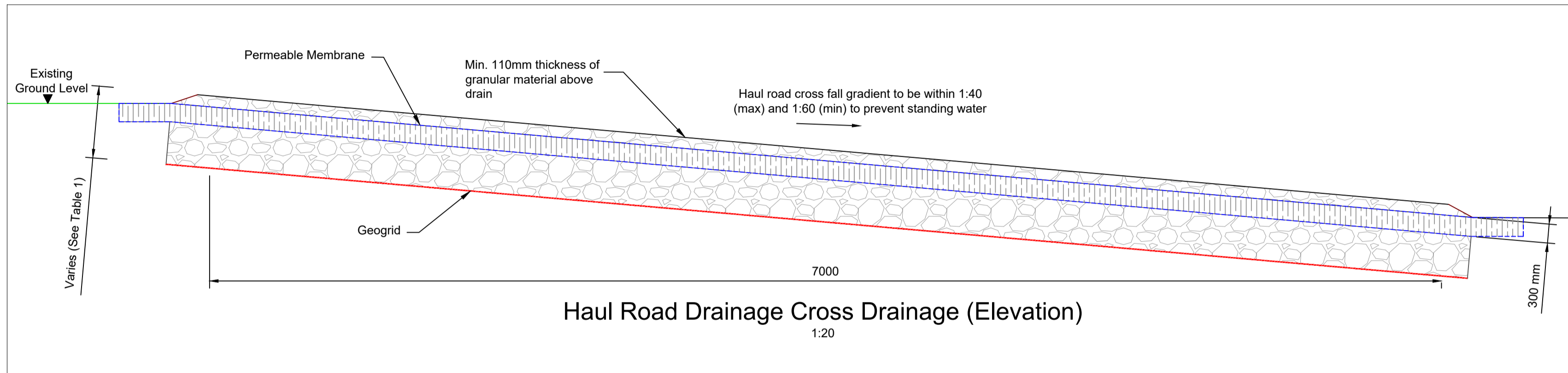
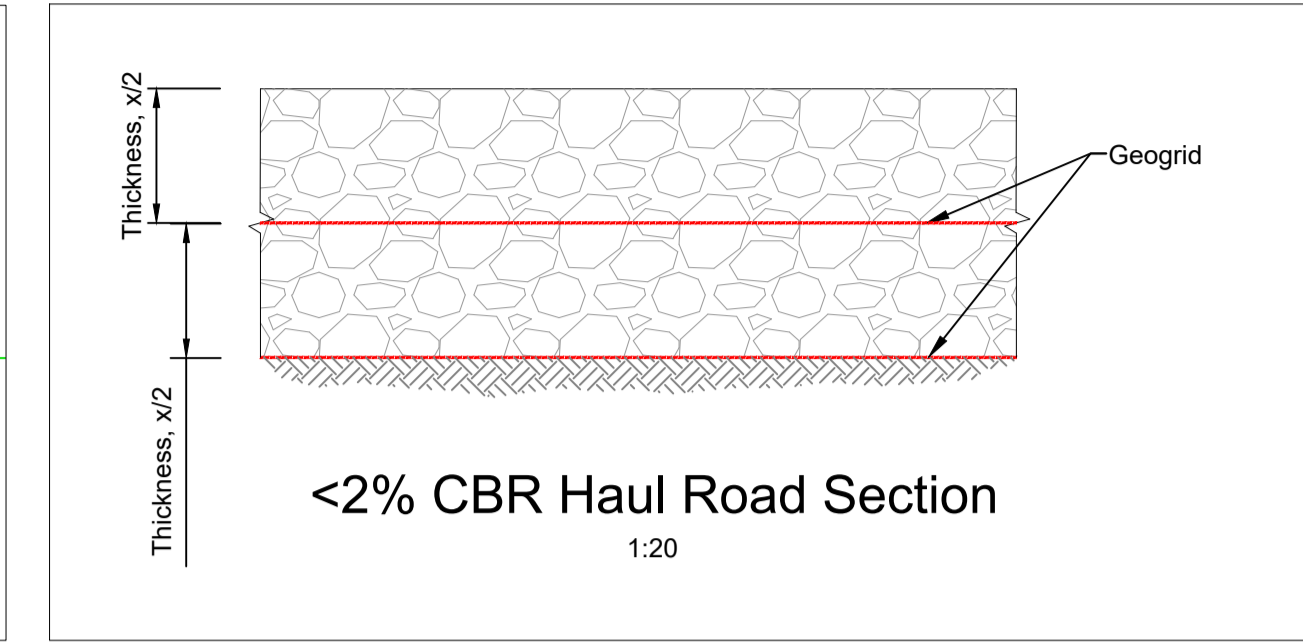
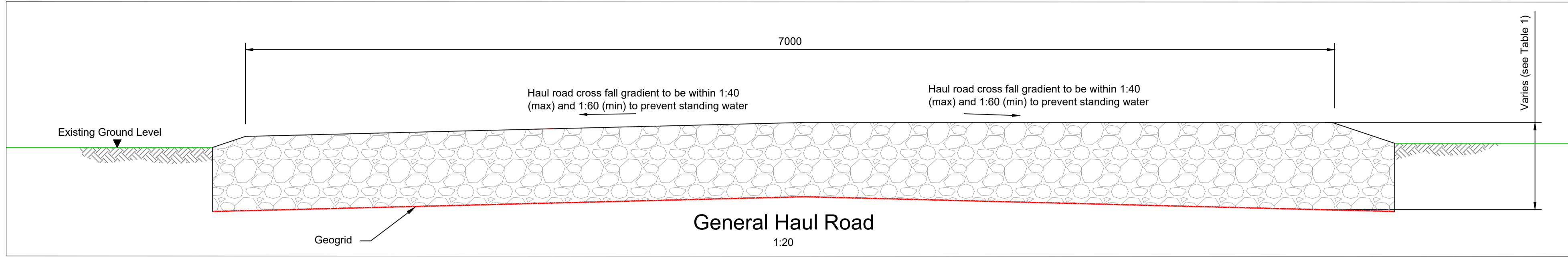
THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL

Legend

-  Surface course
-  Base/Binder course
-  Capping (compacted unbound granular material)
-  Sub-base
-  Class 6A aggregate as per SHW Series 600 (or alternative permeable fill material)
-  Geogrid
-  Permeable Membrane
-  Existing Ground Level

Notes

1. Do not scale any items or information from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. SHW - Specification for Highways Works.
4. Capping layers to comply with SHW Clause 613, class 6F2 or 6F5 only, compacted in accordance with SHW Table 6/4.
5. The proposed arrangement is shown for indicative purposes only. Dimensions and design may vary depending on site and installation conditions.
6. Minimum of 150mm existing material to be removed prior to installation of haul roads. Topsoil thickness encountered may be greater than 150mm.
7. Cross drains may be required to retain floodplain connectivity where haul roads disrupt flow paths or block existing surface run-off. Alternative arrangements may be appropriate depending on site conditions.
8. The Haul Road design depth is indicative and will be defined at detailed design stage once traffic figures are available from the Contractor. It is assumed that regular maintenance will be provided by placing and compacting additional material to infill ruts and other surfaces irregularities.
9. Placement, lapping and jointing of the geogrid shall be in accordance with the manufacturers instructions. The pavement design shown will vary with different geogrid products.
10. Typically stone roads are used to construct the temporary haul road. However, alternative methods such as soil stabilisation, track way or others, may be considered subject to agreement with relevant stakeholders and detailed design.
11. Bellmouth surface detail is indicative and subject to change following stakeholder agreement and detailed design.



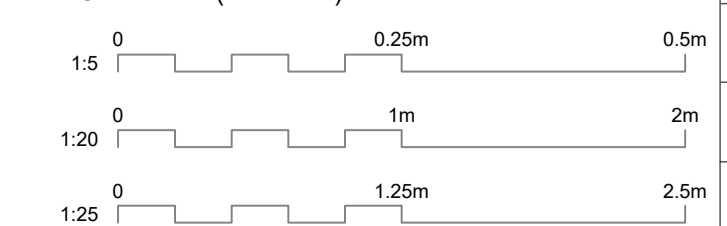
CBR (%)	0.5	1	1.5	2
Indicative Thickness, x (mm)	900	600	550	500
Geogrid type	TBC		TBC	
No. of Geogrid layers	2		1	

Table 2 - Haul Road Pavement Thickness, (x) for CBR <2%

CBR (%)	<2	2-3	3-4	4-5	≥ 5
Indicative Thickness, x (mm)	See Table 2	520	370	300	250
Geogrid type	TBC		TBC		

Table 1 - Haul Road Pavement Thickness, (x)

SCALE BAR (METRES)



Sheet X Centroid Coordinate: Sheet Y Centroid Coordinate:

Issue	Date	Remarks	Drawn	Checked	Approved
P03	15/04/2026	Third Issue	ZZ	CK	JW
P02	25/09/2025	Updated for Df2 following comments	ZZ	CK	GS
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THE NATIONAL GRID (TBC) ORDER
 XXXXXXXXXXXX
 (REGULATION XXXX)
 SECTION, SHEET OF
 XXXX COUNCIL
 EASTERN GREEN LINK 5
 TYPICAL HAUL ROAD SECTIONS

nationalgrid

Application Number			
National Grid Drawing Reference			
118705-MMD-00-XX-DR-CE-0053			
AS SHOWN	Sheet Size A1	Sheet SHEET 1 OF 1	Issue P03

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