



LionLink

General arrangement plans and design drawings

January 2026

LionLink:



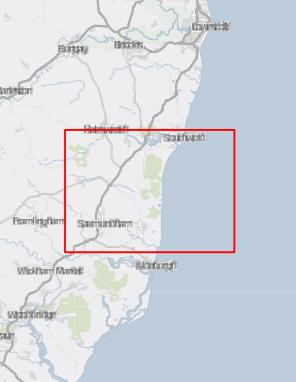
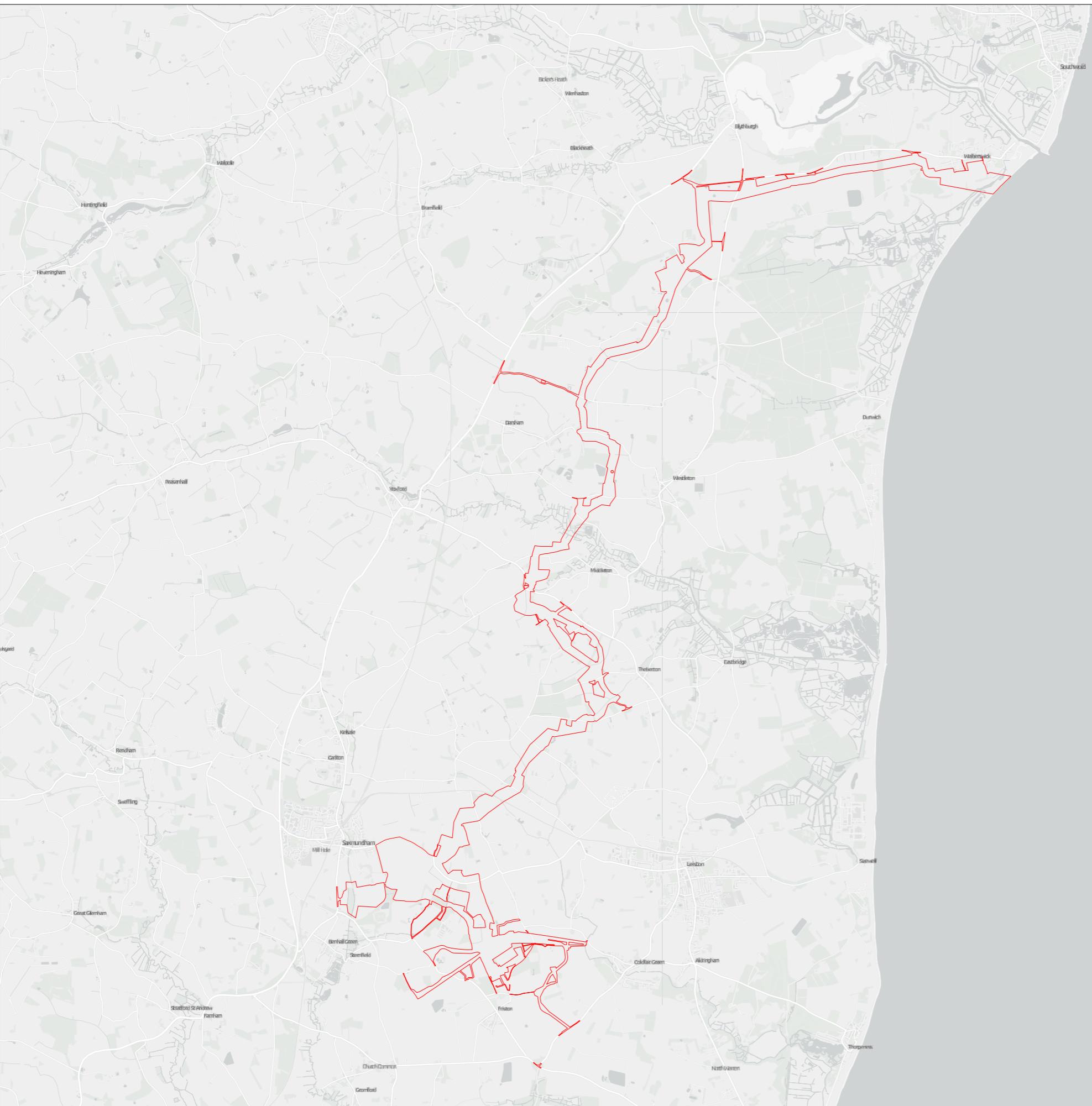
**To assist with understanding these
plans please see the Guide to using
the Consultation Plans and Drawings**

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Section Number
01-01

Category Name
Suffolk Location Plan

N
▲SUFFOLK LOCATION PLAN
FOR STATUTORY CONSULTATION

LEGEND:
— DRAFT ORDER LIMITS (DOL)

FOR STATUTORY CONSULTATION PURPOSES ONLY

NOTES:
1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL NOT REFLECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAIN.
2. THESE PLANS SHOW THE DRAFT ORDER LIMITS, DUE TO THE NEED FOR FUTURE FLEXIBILITY, NATIONAL GRID LIONLINK LIMITED WILL BE APPLYING FOR ORDER LIMITS AND LIMITS OF TERRITORY. THESE WILL BE APPLIED IN THE APPROPRIATE CONSENT, WITHIN WHICH ANY FINAL CABLE ALIGNMENT WOULD BE LOCATED.
3. FURTHER INFORMATION IS PROVIDED IN OUR GUIDE TO INTERACTING WITH THE DRAFT ORDER LIMITS PLANNING PROCESS.
4. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.

CO-ORDINATE SYSTEM: BRITISH NATIONAL GRID
SHEET CENTRE X-COORDINATE: 645936 M SHEET CENTRE Y-COORDINATE: 267900 N M

0 1000 2000

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P04 08/01/2025 FOR STATUTORY CONSULTATION AS RU TD
P03 14/02/2025 FOR STATUTORY CONSULTATION AS TW TD
P02 08/01/2025 FOR STATUTORY CONSULTATION NG TW TD
P01 19/02/2025 FOR INFORMATION NG MD TD

Issue Date Remarks Drawn Checked Approved

Title: SUFFOLK LOCATION PLAN
FOR STATUTORY CONSULTATION

Project Name:

LIONLINK

Application Number:

EN020033

National Grid LionLink Limited Drawing Reference

LK1-BRH-DWG-CVD-000143

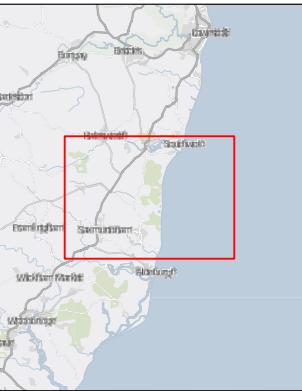
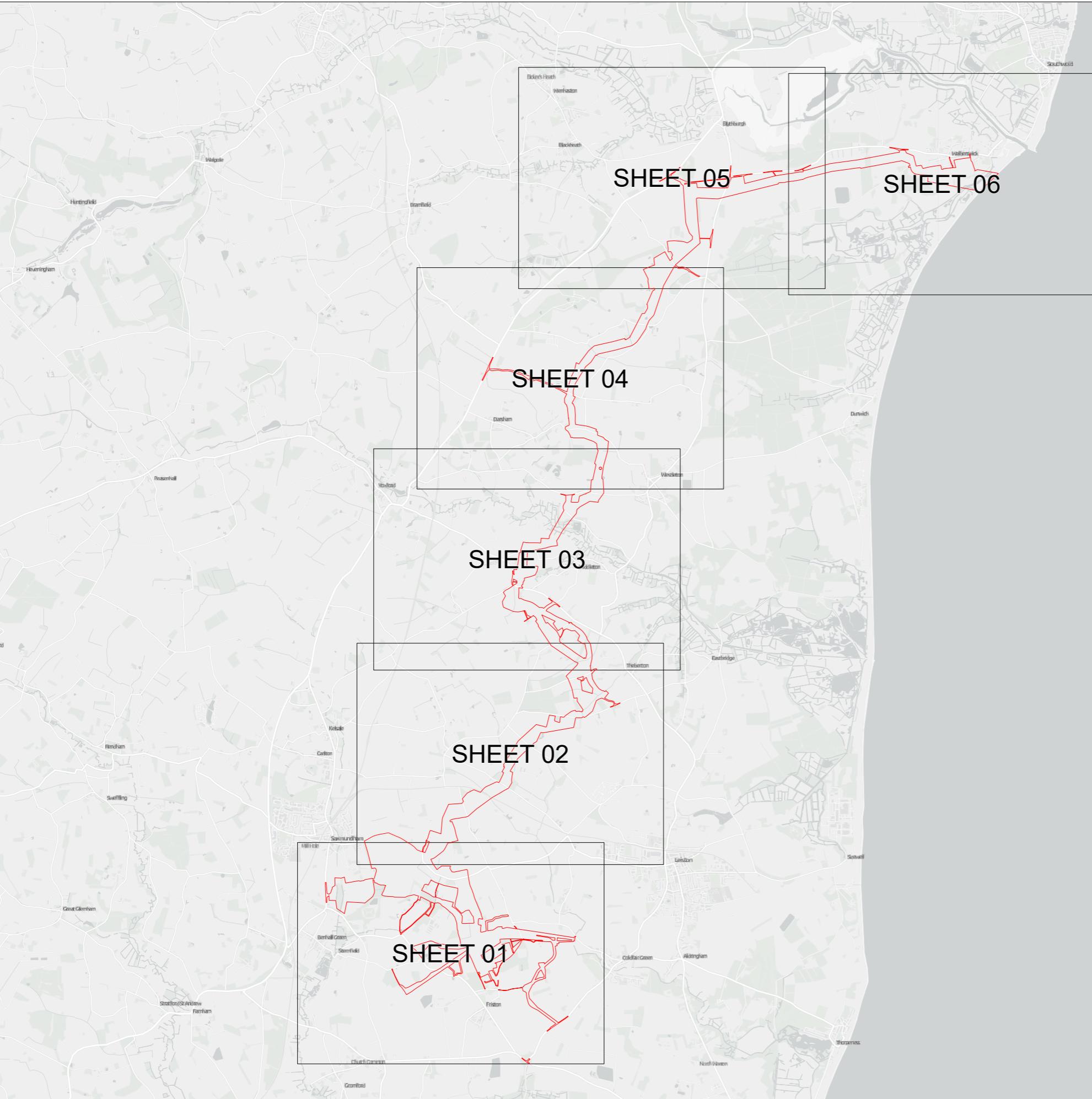
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Section Number
01-02

Category Name
Onshore Master General Arrangement Plan

ONSHORE MASTER GENERAL ARRANGEMENT PLAN
FOR STATUTORY CONSULTATION

N

LEGEND:

- DRAFT ORDER LIMITS (DOL)
- DETAILED SHEETS

FOR STATUTORY CONSULTATION PURPOSES ONLY

NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALE DRAWINGS.
2. THESE PLANS SHOW THE DRAFT ORDER LIMITS, DUE TO THE NEED FOR FUTURE FLEXIBILITY, NATIONAL GRID LONLINE LIMITED WILL BE APPLYING FOR ORDER LIMITS AND AN INFORMATION STATEMENT FOR THE PROPOSED PROJECT, ONCE CONSENT IS GRANTED, FURTHER INFORMATION WILL BE PROVIDED IN OUR GUIDE TO INTERACTING WITH THE CONSENT PROCESS AND PLANNING AUTHORITIES.
3. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.

COORDINATE SYSTEM: BRITISH NATIONAL GRID
SHEET CENTRE X-COORDINATE: 6468368 M SHEET CENTRE Y-COORDINATE: 267900 N M

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| P02 | 08/07/2025 | FOR STATUTORY CONSULTATION | NG | TW | TD |
| P01 | 19/05/2025 | FOR INFORMATION | NG | MD | TD |

Title Date Remarks Checked Approved

ONSHORE MASTER GENERAL ARRANGEMENT PLAN FOR STATUTORY CONSULTATION

Project Name

LIONLINK

Application Number

EN020033

National Grid LionLink Limited Drawing Reference

LK1-BRH-DWG-CVD-000144

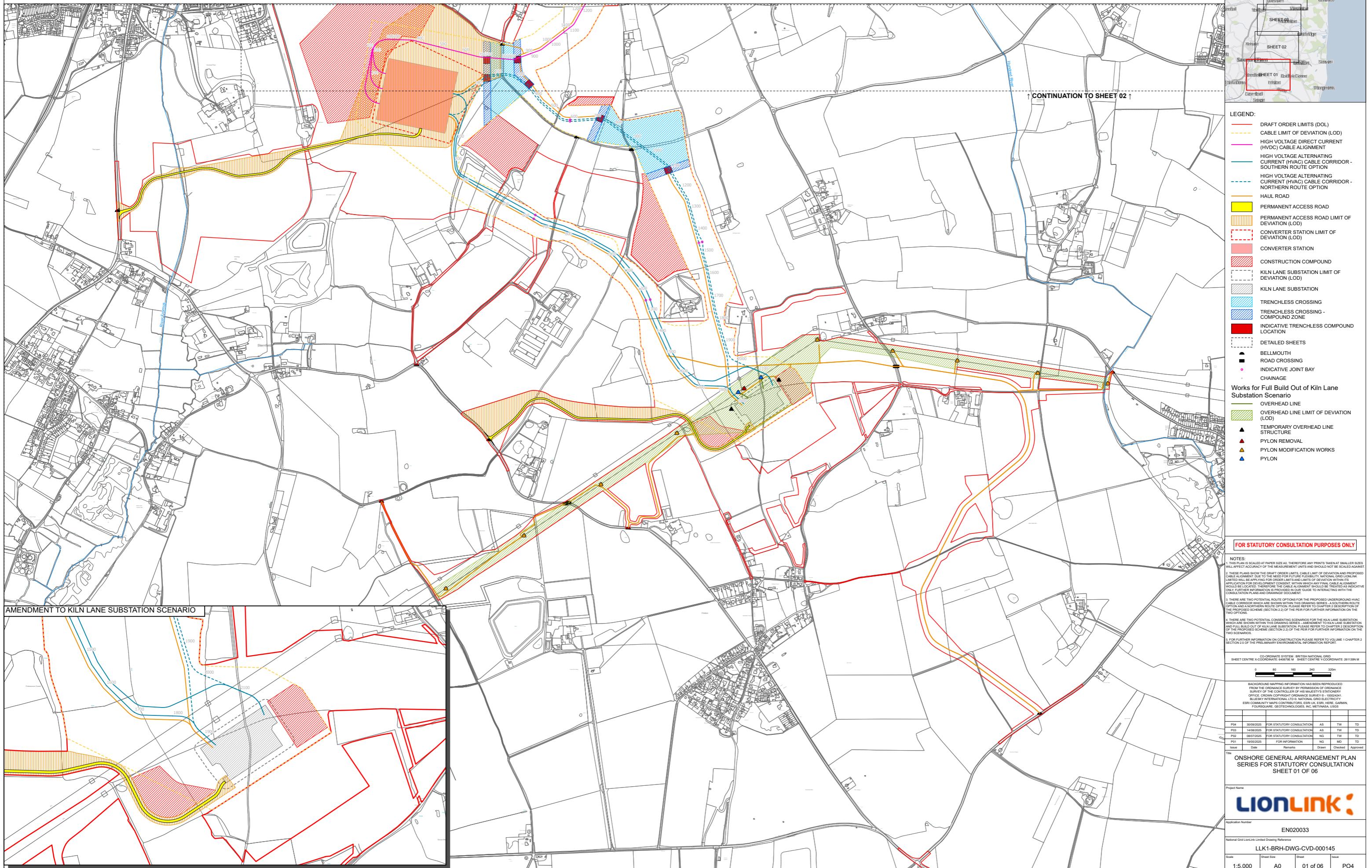
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Section Number
01-03

Category Name
Onshore General Arrangement Plans

ONSHORE GENERAL ARRANGEMENT PLAN SERIES
FOR STATUTORY CONSULTATION
SHEET 01 OF 06

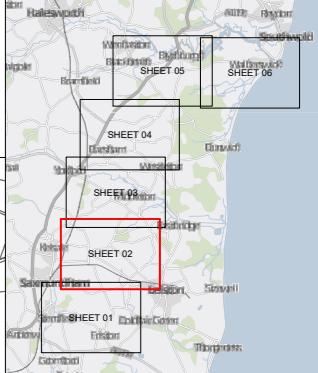


ONSHORE GENERAL ARRANGEMENT PLAN SERIES
FOR STATUTORY CONSULTATION
SHEET 02 OF 06



↑ CONTINUATION TO SHEET 03↑

↑ CONTINUATION TO SHEET 01↑



LEGEND:

- DRAFT ORDER LIMITS (DOL)
- CABLE LIMIT OF DEVIATION (LOD)
- CABLE LIMIT OF DEVIATION (LOD) - ALTERNATIVE
- ONSHORE HIGH VOLTAGE DIRECT CURRENT (HVDC) CABLE ALIGNMENT
- HIGH VOLTAGE ALTERNATING CURRENT (HVAC) CABLE ALIGNMENT - NORTHERN ROUTE OPTION
- HAUL ROAD
- ALTERNATIVE HAUL ROAD
- PERMANENT ACCESS ROAD LIMIT OF DEVIATION (LOD)
- DETAILED SHEETS
- CONVERTER STATION
- CONVERTER STATION LIMIT OF DEVIATION (LOD)
- CONSTRUCTION COMPOUND
- TRENCHLESS CROSSING
- TRENCHLESS CROSSING - COMPOUND ZONE
- INDICATIVE TRENCHLESS COMPOUND LOCATION
- INDICATIVE JOINT BAY
- BELLMOUTH
- ROAD CROSSING
- CHAINAGE

FOR STATUTORY CONSULTATION PURPOSES ONLY

NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED
2. THESE PLANS SHOW THE DRAFT ORDER LIMITS CABLE LIMIT OF DEVIATION PROPOSED CABLE ALIGNMENT DUE TO THE NEED FOR FUTURE FLEXIBILITY NATIONAL GRID LIONLINK WILL NOT BE BOUND BY THESE LIMITS AND CAN RELOCATE THE CABLE WITHIN ITS APPLICATION FOR DEVELOPMENT CONSENT; WITHIN WHICH ANY FINAL CABLE ALIGNMENT WILL BE DETERMINED BY THE PLANNED CONSTRUCTION CONTRACTOR. THESE SHOULD BE TREATED AS INDICATIVE ONLY, FURTHER INFORMATION IS PROVIDED IN OUR GUIDE TO INTERACTING WITH THE PLANNED CONSTRUCTION CONTRACTOR
3. A COORDINATION OPPORTUNITY HAS BEEN IDENTIFIED FOR THE UNDERGROUND HVDC CABLE CORRIDOR IN THE VICINITY OF THEBERTON AND BURTON COMBINE WHERE THE PROPOSED HVDC CABLE CORRIDOR COULD BE USED IN CONJUNCTION WITH THE EXISTING CORRIDOR (ALTERNATIVE) WITH THE PROPOSED BIZWELL LINK ROAD (SLR) ROUTE.
4. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

COORDINATE SYSTEM - BRITISH NATIONAL GRID
SHEET CENTRE X-COORDINATE: 641691E M SHEET CENTRE Y-COORDINATE: 264518N M

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| Ref | Issue | Date | Remarks | Drawn | Checked | Approved |
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| P02 | 06/07/2025 | FOR STATUTORY CONSULTATION | NG | TW | TD | |
| P01 | 19/05/2025 | FOR STATUTORY CONSULTATION | NG | TW | TD | |

ONSHORE GENERAL ARRANGEMENT PLAN
SERIES FOR STATUTORY CONSULTATION
SHEET 02 OF 06

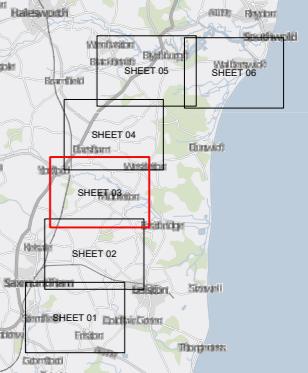
Project Name: **LIONLINK**

Application Number: EN020033

National Grid LionLink Limited Drawing Reference: LLK1-BRH-DWG-CVD-000146

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ONSHORE GENERAL ARRANGEMENT PLAN SERIES
FOR STATUTORY CONSULTATION
SHEET 03 OF 06



LEGEND:

- DRAFT ORDER LIMITS (DOL)
- CABLE LIMIT OF DEVIATION (LOD)
- CABLE LIMIT OF DEVIATION (LOD) - ALTERNATIVE
- ONSHORE HIGH VOLTAGE DIRECT CURRENT (HVDC) CABLE ALIGNMENT
- HAUL ROAD
- DETAILED SHEETS
- CONSTRUCTION COMPOUND
- TRENCHLESS CROSSING
- TRENCHLESS CROSSING - COMPOUND ZONE
- INDICATIVE TRENCHLESS COMPOUND LOCATION
- INDICATIVE JOINT BAY
- BELLMOUTH
- ROAD CROSSING
- CHAINAGE

FOR STATUTORY CONSULTATION PURPOSES ONLY

NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED
2. THESE PLANS SHOW THE DRAFT ORDER LIMITS, CABLE LIMIT OF DEVIATION AND PROPOSED CABLE ALIGNMENT DUE TO THE NEED FOR FUTURE FLEXIBILITY. NATIONAL GRID LTD RESERVES THE RIGHT TO MAKE ANY CHANGES TO THE PLANS AS PERMITTED IN ITS APPLICATION FOR DEVELOPMENT CONSENT, WITHIN WHICH ANY FINAL CABLE ALIGNMENT WILL BE TAKEN. THE PROPOSED CABLE ALIGNMENT SHOULD NOT BE TREATED AS INDICATIVE, ONLY FURTHER INFORMATION IS PROVIDED IN OUR GUIDE TO INTERACTING WITH THE PLANNING PROCESS
3. A COORDINATION OPPORTUNITY HAS BEEN IDENTIFIED FOR THE UNDERGROUND HVDC CABLE CORRIDOR IN THE VICINITY OF THEBERTON AND BURTON CORRIDOR WHERE THE PROPOSED HVDC CABLE ALIGNMENT IS UNLIKELY TO OVERLAP WITH THE EXISTING HVDC CORRIDOR (ALTERNATIVE) WITH THE PROPOSED BIZZELLI LINK ROAD (SLR) ROUTE
4. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

COORDINATE SYSTEM - BRITISH NATIONAL GRID
SHEET CENTRE X-COORDINATE: 641974E M SHEET CENTRE Y-COORDINATE: 267817N M

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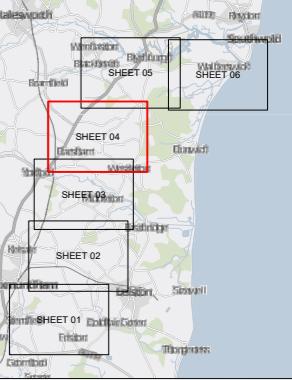
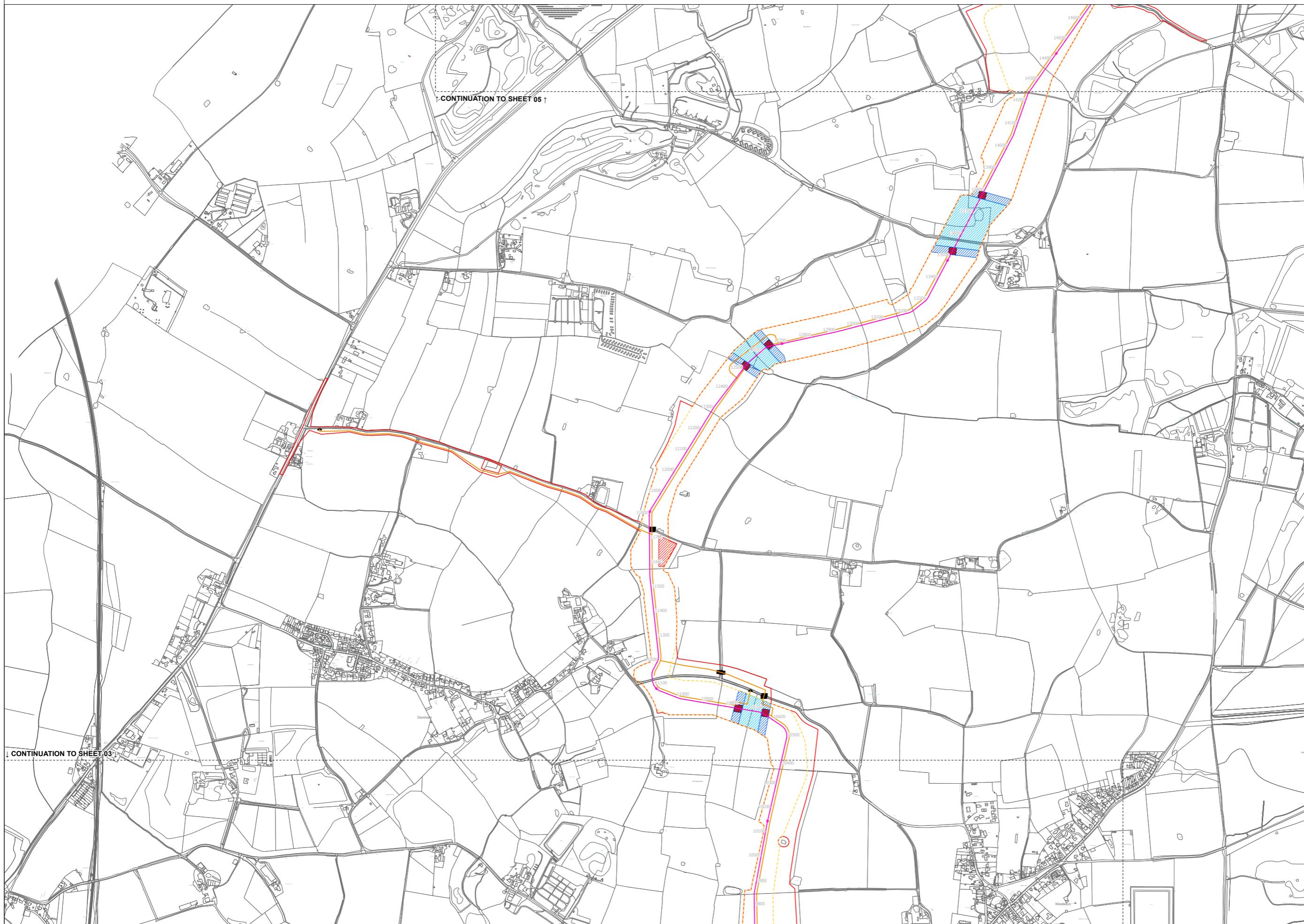
Title: ONSHORE GENERAL ARRANGEMENT PLAN
SERIES FOR STATUTORY CONSULTATION
SHEET 03 OF 06

Project Name: **LIONLINK**
Application Number: EN020033

National Grid LionLink Limited Drawing Reference
LLK1-BRH-DWG-CVD-000147

Scale: 1:5,000 Sheet Size: A0 Sheet: 03 OF 06 Issue: P04

ONSHORE GENERAL ARRANGEMENT PLAN SERIES
FOR STATUTORY CONSULTATION
SHEET 04 OF 06



LEGEND:

- DRAFT ORDER LIMITS (DOL)
- CABLE LIMIT OF DEVIATION (LOD)
- ONSHORE HIGH VOLTAGE DIRECT CURRENT (HVDC) CABLE ALIGNMENT
- HAUL ROAD
- DETAILED SHEETS
- CONSTRUCTION COMPOUND
- TRENCHLESS CROSSING
- TRENCHLESS CROSSING - COMPOUND ZONE
- INDICATIVE TRENCHLESS COMPOUND LOCATION
- INDICATIVE JOINT BAY
- BELLMOUTH
- ROAD CROSSING
- CHAINAGE

FOR STATUTORY CONSULTATION PURPOSES ONLY

NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE USED.
2. THESE PLANS SHOW THE DRAFT ORDER LIMITS, CABLE LIMIT OF DEVIATION AND PROPOSED CABLE ALIGNMENT DUE TO THE NEED FOR FUTURE FLEXIBILITY. NATIONAL GRID LIONLINK WILL NOT BE RESPONSIBLE FOR ANY ACTUAL CABLE POSITION OR POSITION WITHIN ITS APPLICATION FOR DEVELOPMENT CONSENT, WITHIN WHICH ANY FINAL CABLE ALIGNMENT WILL BE DETERMINED. THE CABLE ALIGNMENT WILL NOT BE TREATED AS INDICATIVE UNTIL FURTHER INFORMATION IS PROVIDED IN OUR GUIDE TO INTERACTING WITH PLANNING AUTHORITIES.
3. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.

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| Issue | Date | Remarks | Drawn | Checked | Approved |
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| P03 | 14/09/2025 | FOR STATUTORY CONSULTATION | AS | TW | TD |
| P02 | 08/07/2025 | FOR STATUTORY CONSULTATION | NG | TW | TD |
| P01 | 19/05/2025 | FOR STATUTORY CONSULTATION | NG | ED | TD |

Title: ONSHORE GENERAL ARRANGEMENT PLAN
SERIES FOR STATUTORY CONSULTATION
SHEET 04 OF 06

Project Name: **LIONLINK**

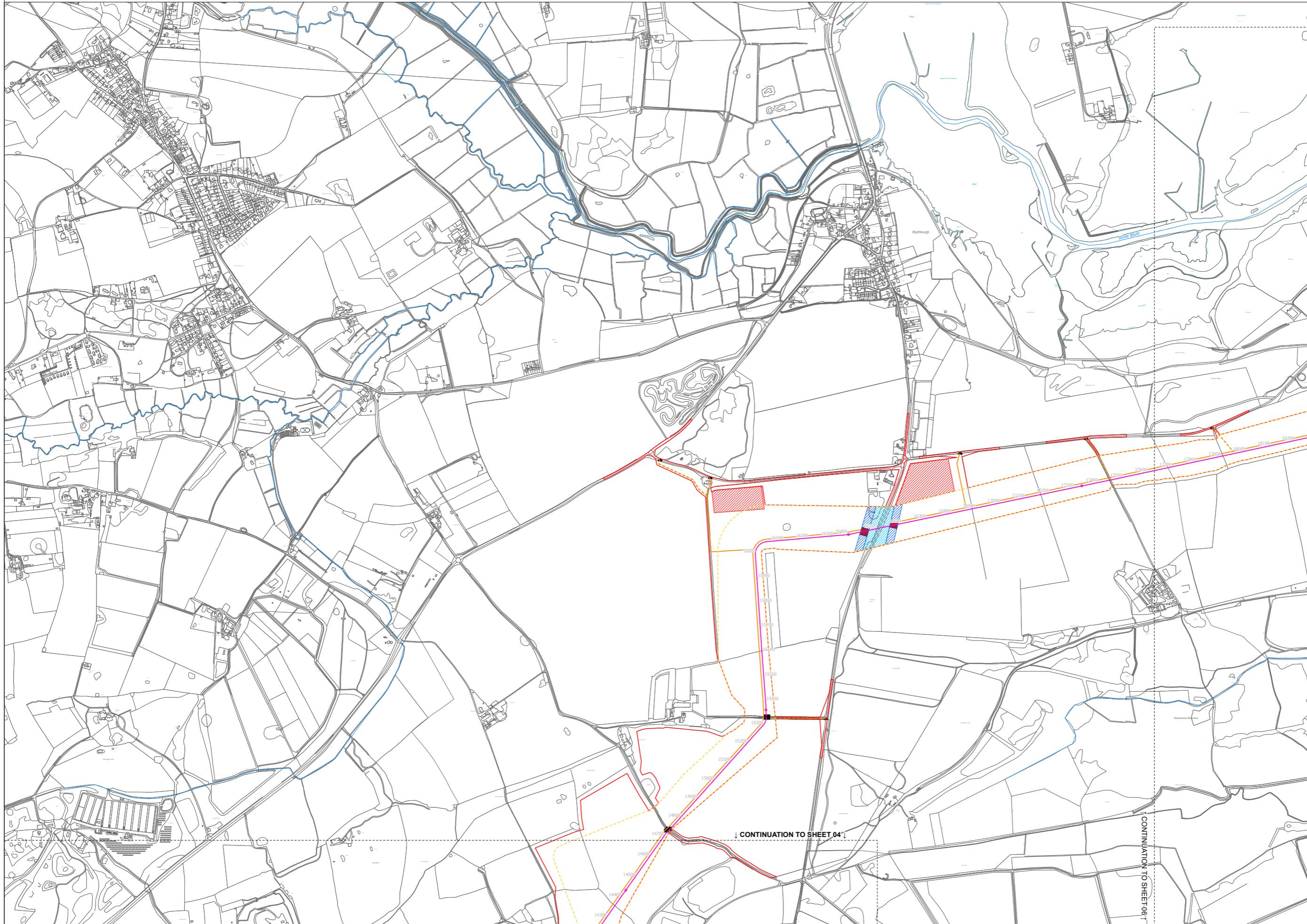
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National Grid LionLink Limited Drawing Reference:

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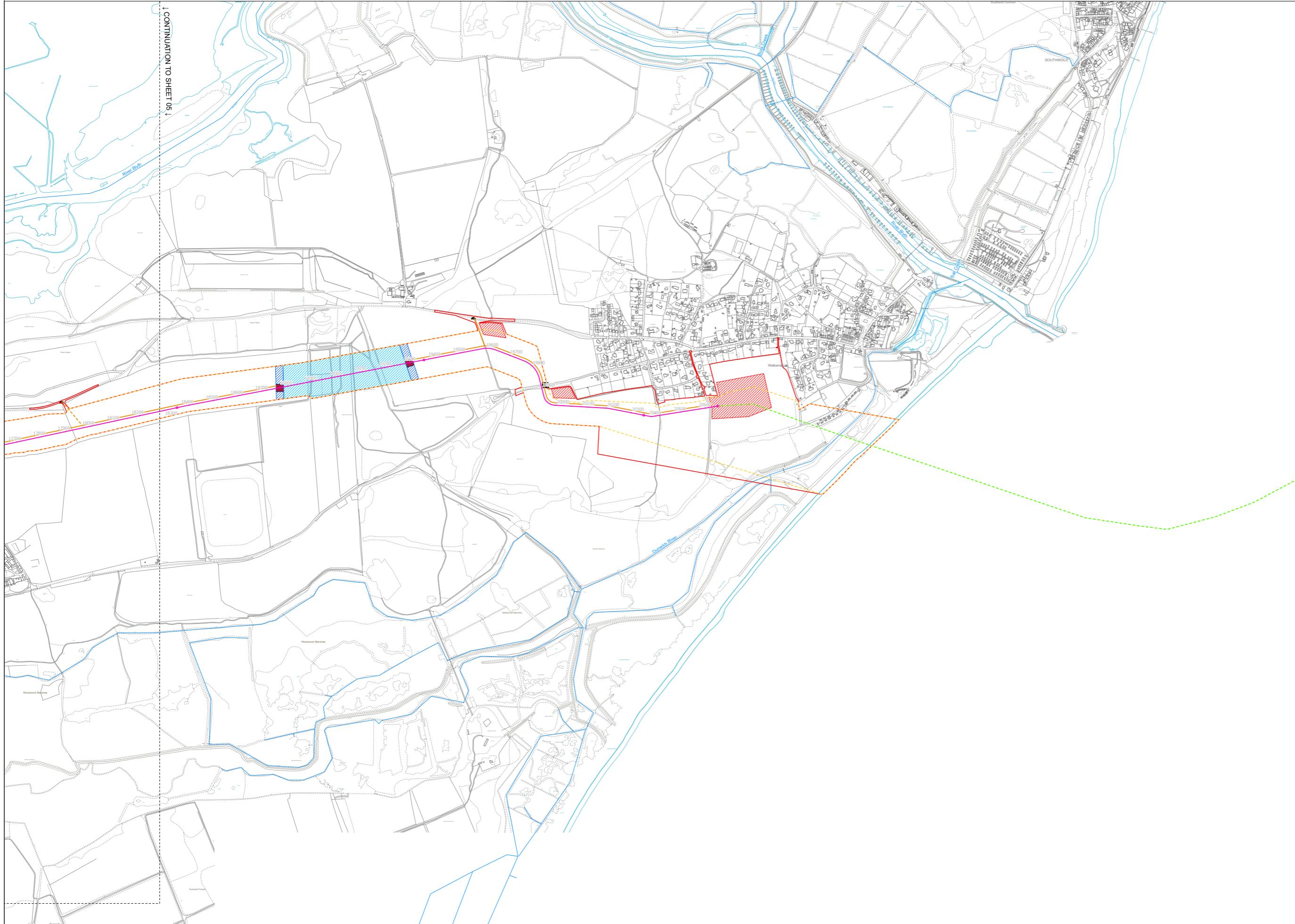
ONSHORE GENERAL ARRANGEMENT PLAN SERIES
FOR STATUTORY CONSULTATION
SHEET 05 OF 06



ONSHORE GENERAL ARRANGEMENT PLAN SERIES
FOR STATUTORY CONSULTATION
SHEET 06 OF 06



↓ CONTINUATION TO SHEET 05 ↓



LEGEND:

The legend is located in the bottom right corner of the map. It consists of a vertical list of symbols and text descriptions, each preceded by a colored line segment. The symbols include: a red line for 'DRAFT ORDER LIMITS (DOL)', a yellow dashed line for 'CABLE LIMIT OF DEVIATION (LOD)', a magenta line for 'ONSHORE HIGH VOLTAGE DIRECT CURRENT (HVDC) CABLE ALIGNMENT', a green dashed line for 'OFFSHORE HIGH VOLTAGE DIRECT CURRENT (HVDC) CABLE ALIGNMENT', an orange line for 'HAUL ROAD', a yellow dashed line for 'ALTERNATIVE HAUL ROAD', a dashed box for 'DETAILED SHEETS', a red hatched box for 'CONSTRUCTION COMPOUND', a blue hatched box for 'TRENCHLESS CROSSING', a blue hatched box for 'TRENCHLESS CROSSING - COMPOUND ZONE', a red solid box for 'INDICATIVE TRENCHLESS COMPOUND LOCATION', a pink dot for 'INDICATIVE JOINT BAY', a black triangle for 'BELLMOUTH', and a black square for 'ROAD CROSSING'.

FOR STATUTORY CONSULTATION PURPOSES ONLY

NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A4. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL NOT ACCURATELY REFLECT THE MEASUREMENT UNITS AND SHOULD NOT BE SCALLED AGAINST.

2. THE DRAWINGS PLEAS SHOW THE DRAFT ORDER LINES, CABLE LIMIT OF DEVIATION AND PROPOSED CABLE ALIGNMENT. QUOTE THE NEED FOR FUTURE NEEDS (EX: FLEXIBLE NATIONAL GRID LIONLINE LINES) AND THE DRAFTING OF CABLE ALIGNMENT AND LIMITS OF DEVIATION WITH THE CABLE ALIGNMENT. QUOTE THE NEED FOR CABLE ALIGNMENT CONSTRUCTION AND WHERE ALIGNMENT WOULD BE LOCATED. THEREFORE THE CABLE ALIGNMENT SHOULD BE TREATED AS A FUTURE CONSTRUCTION PROJECT. PLEASE REFER TO THE COMPANY'S GUIDE TO OUR INTERACTING WITH THE CONSULTATION PLANS AND DRAWINGS DOCUMENT.

3. THE OFFSHORE HYDRO CABLE IS TO BE INSTALLED FROM SHORE TO LAND VIA HORIZONTAL TRENCHING. PLEASE REFER TO THE CABLE LAYING DOCUMENT.

4. FOR FURTHER INFORMATION ON CONSTRUCTION, PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2 OF THE PRELIMINARY ENVIRONMENTAL IMPACT REPORT.

CO-ORDINATE SYSTEM : BRITISH NATIONAL GRID
SHEET CENTRE X-COORDINATE: 649012E M SHEET CENTRE Y-COORDINATE: 274184N M

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| P03 | 14/06/2019 | FOR STATUTORY CONSULTATION | AS | TW | TD |
| P02 | 08/07/2019 | FOR STATUTORY CONSULTATION | NG | TW | TD |
| P01 | 19/05/2019 | FOR STATUTORY CONSULTATION | NG | MD | TD |
| Issue | Date | Renumerate | Drawn | Checked | Approved |

ONSHORE GENERAL ARRANGEMENT PLAN
SERIES FOR STATUTORY CONSULTATION
SHEET 06 OF 06

Project Name

LiONLink®

Electronics

EN020033

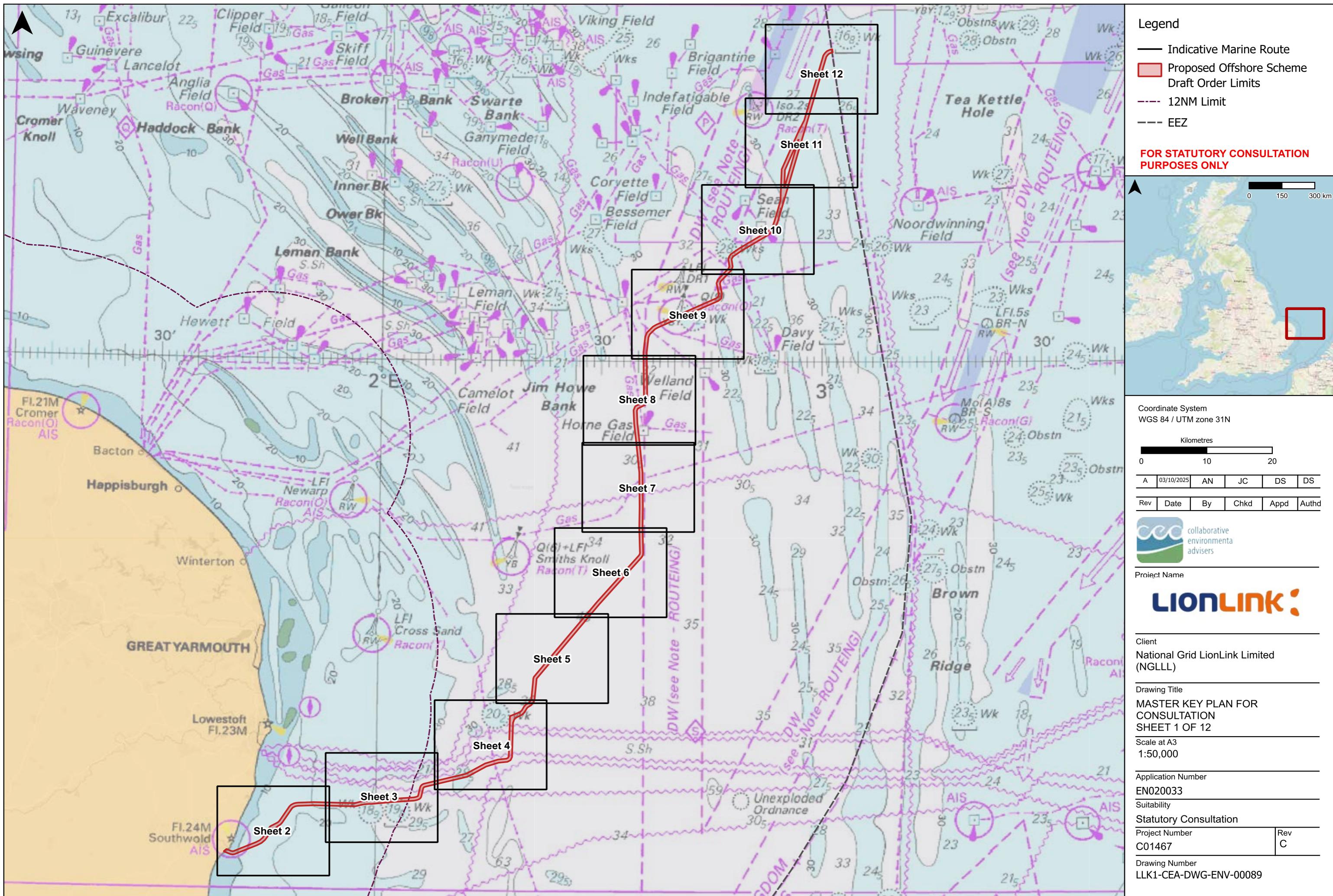
National Grid LionLink Limited Drawing Reference

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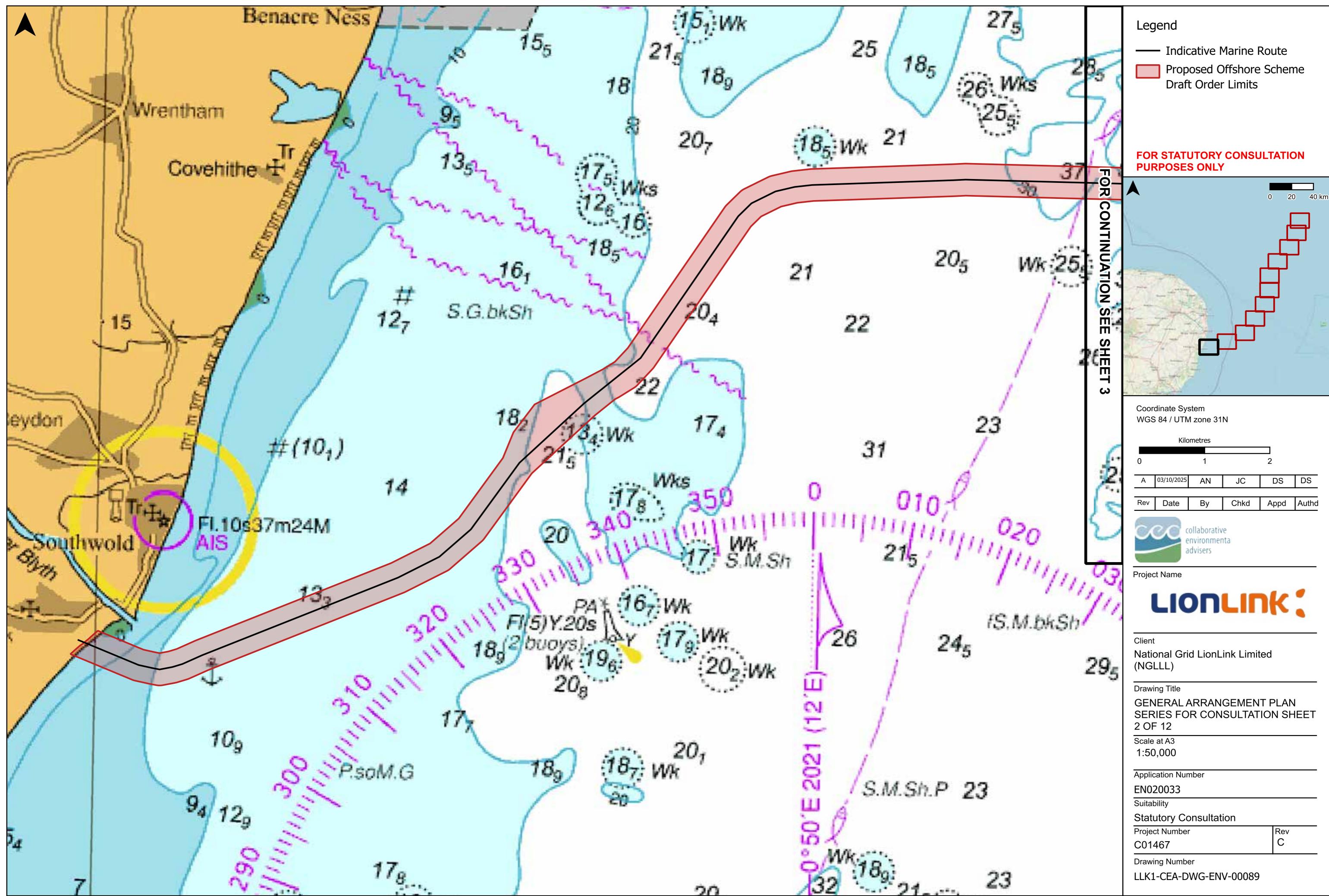
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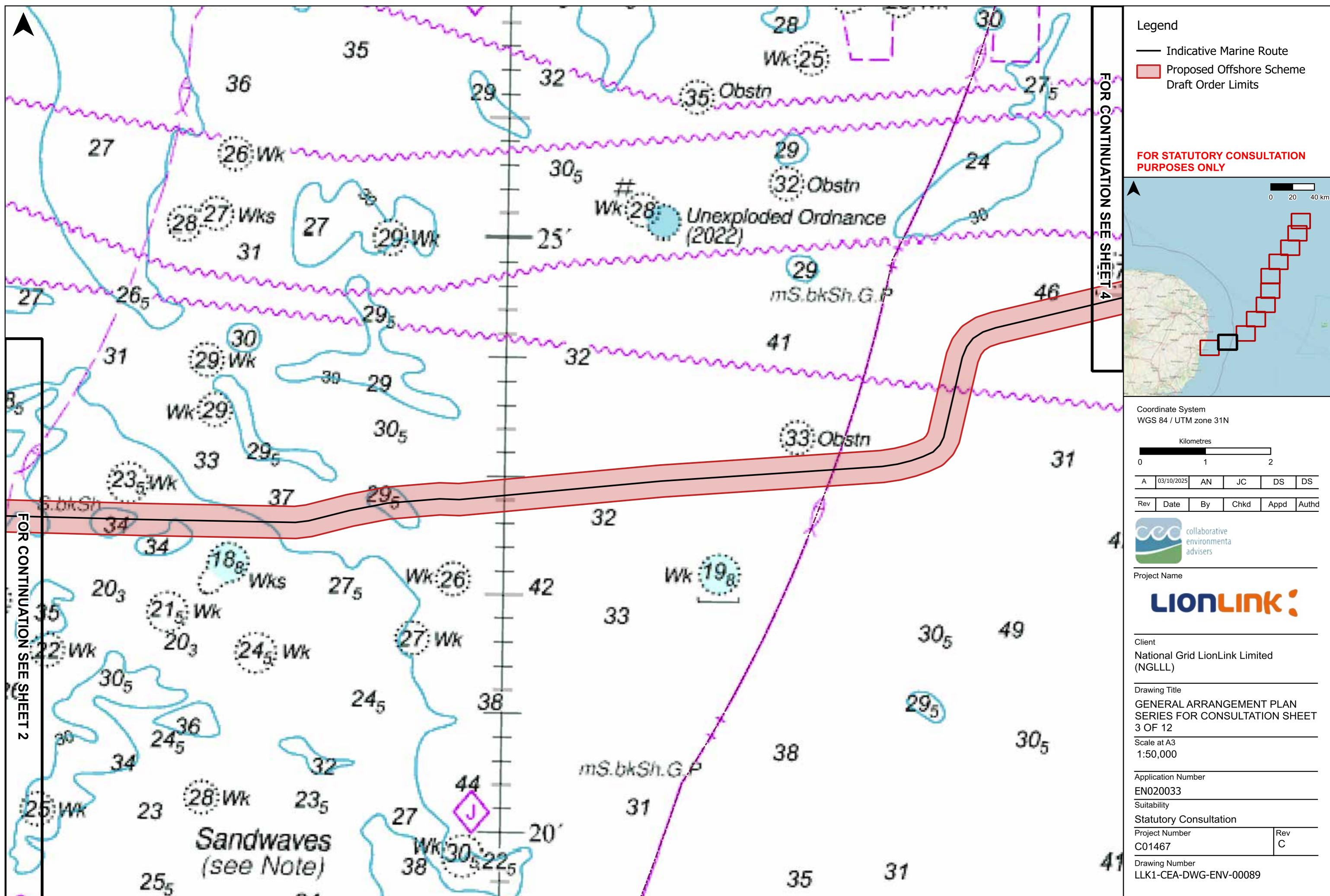
**Category Name
Master Key Plan**

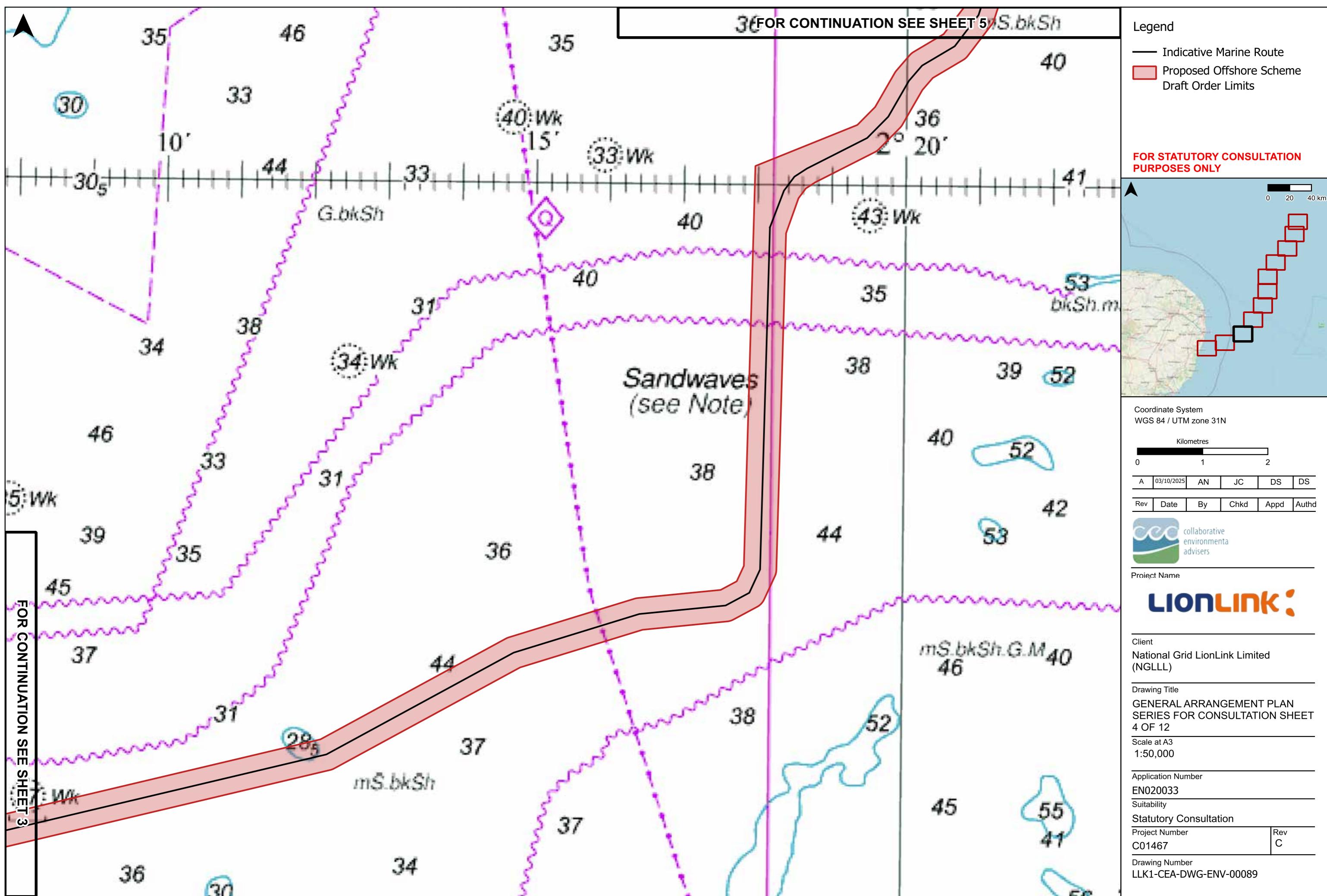


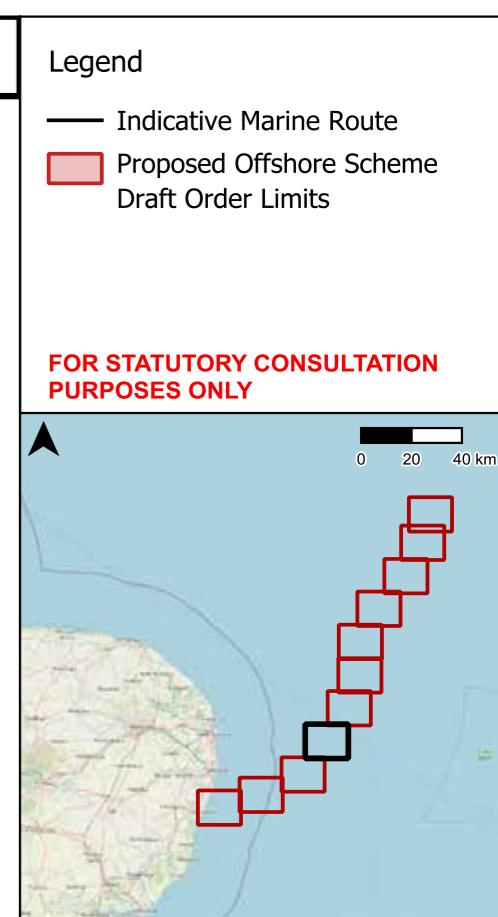
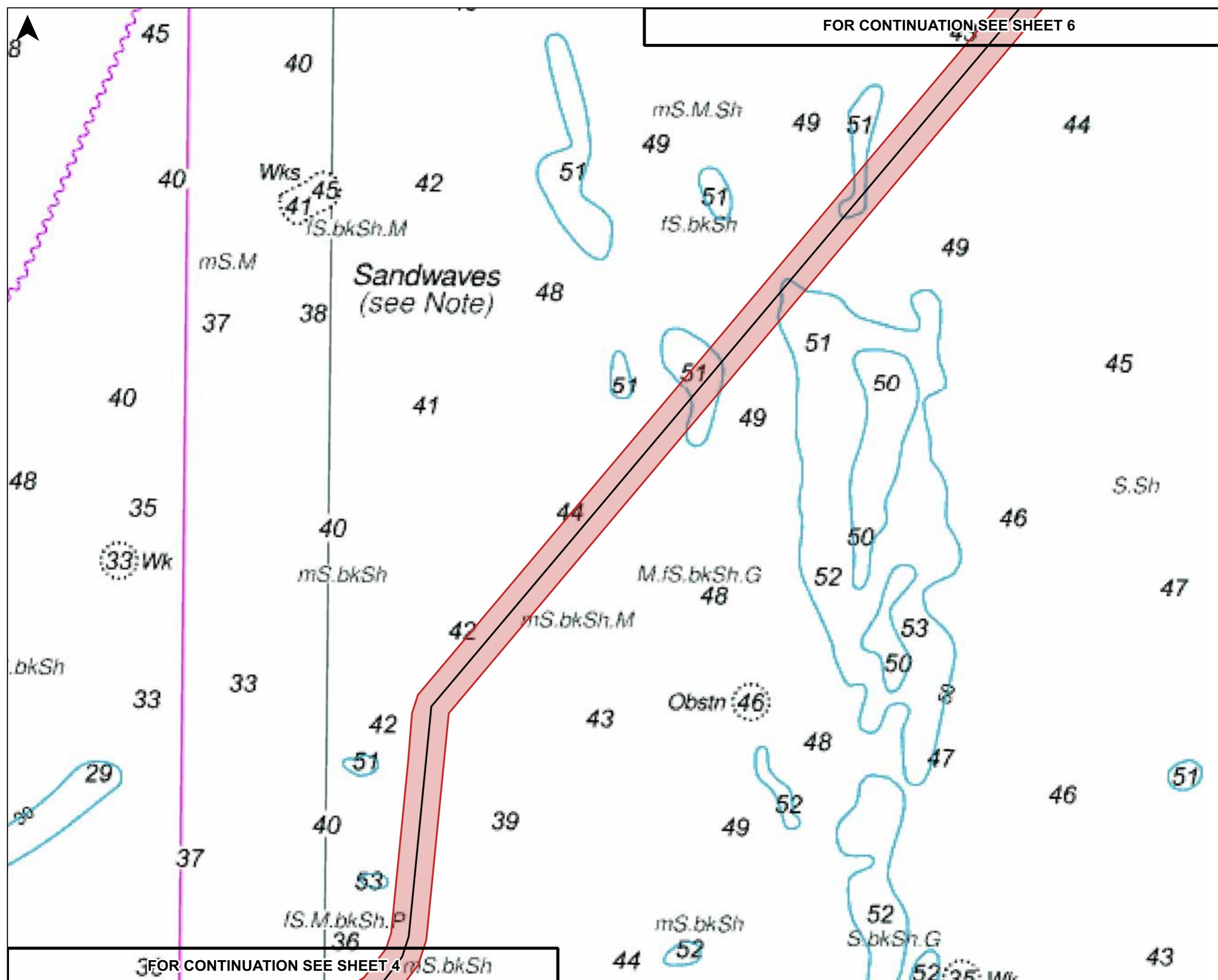
**Section Number
01-05**

**Category Name
Indicative General Arrangement Plan**









Coordinate System
WGS 84 / UTM zone 31N

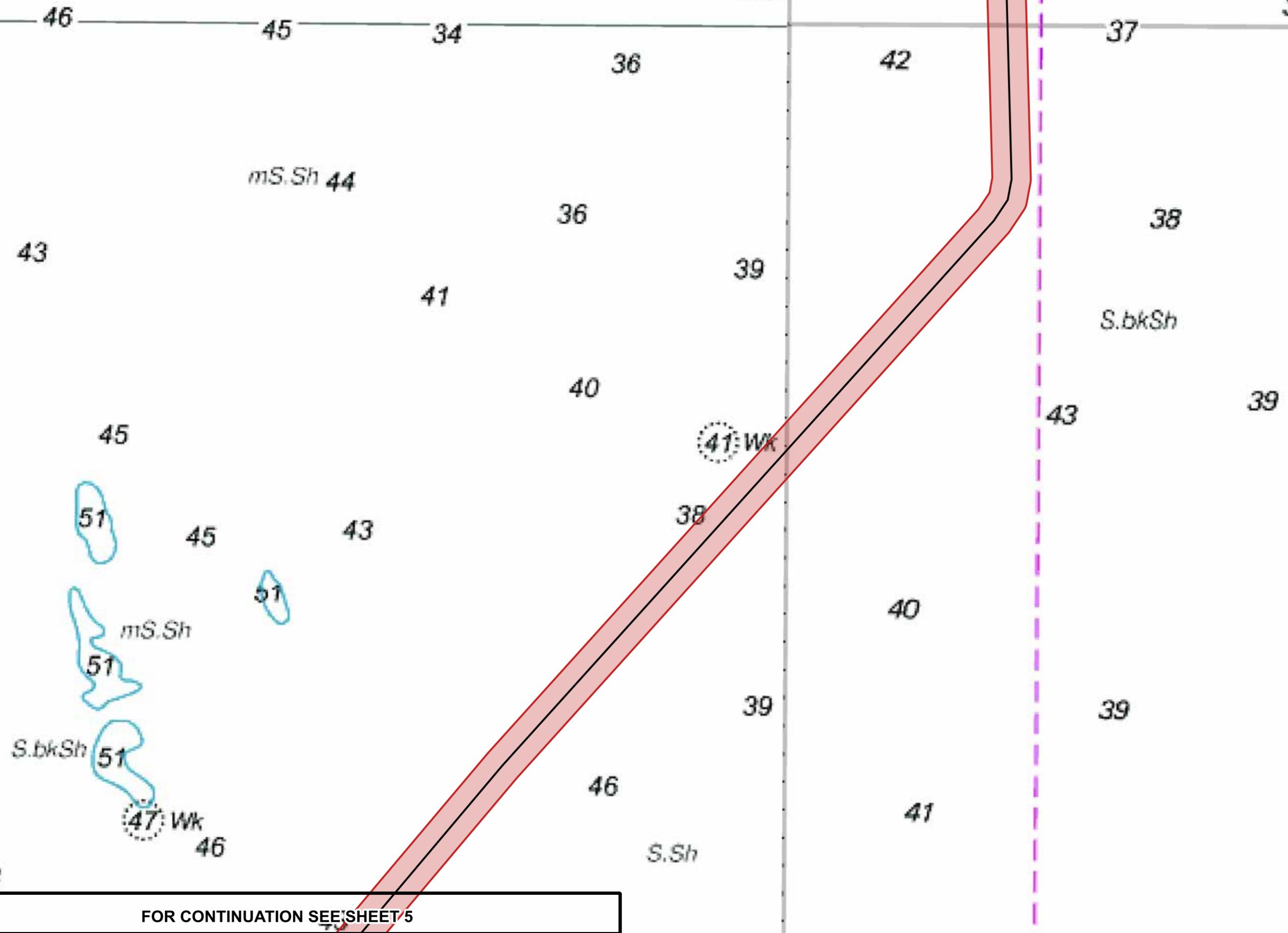
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|  ccc | collaborative environments advisers | | | | |

| | |
|--------------------------------------|-----|
| Project Name | |
| LIONLINK | |
| <hr/> | |
| Client | |
| National Grid LionLink Limited | |
| (NGLLL) | |
| <hr/> | |
| Drawing Title | |
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| Project Number | Rev |
| C01467 | C |
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| Drawing Number | |
| LLK1-CEA-DWG-ENV-00089 | |

FOR CONTINUATION SEE SHEET 7

Legend

- Indicative Marine Route
- Proposed Offshore Scheme
- Draft Order Limits



FOR STATUTORY CONSULTATION PURPOSES ONLY



Coordinate System
WGS 84 / UTM zone 31N



| | | | | | |
|-----|------------|----|------|------|-------|
| A | 03/10/2025 | AN | JC | DS | DS |
| Rev | Date | By | Chkd | Appd | Authd |



Project Name

LIONLINK

Client
National Grid LionLink Limited (NGLL)

Drawing Title
GENERAL ARRANGEMENT PLAN
SERIES FOR CONSULTATION SHEET
6 OF 12

Scale at A3
1:50,000

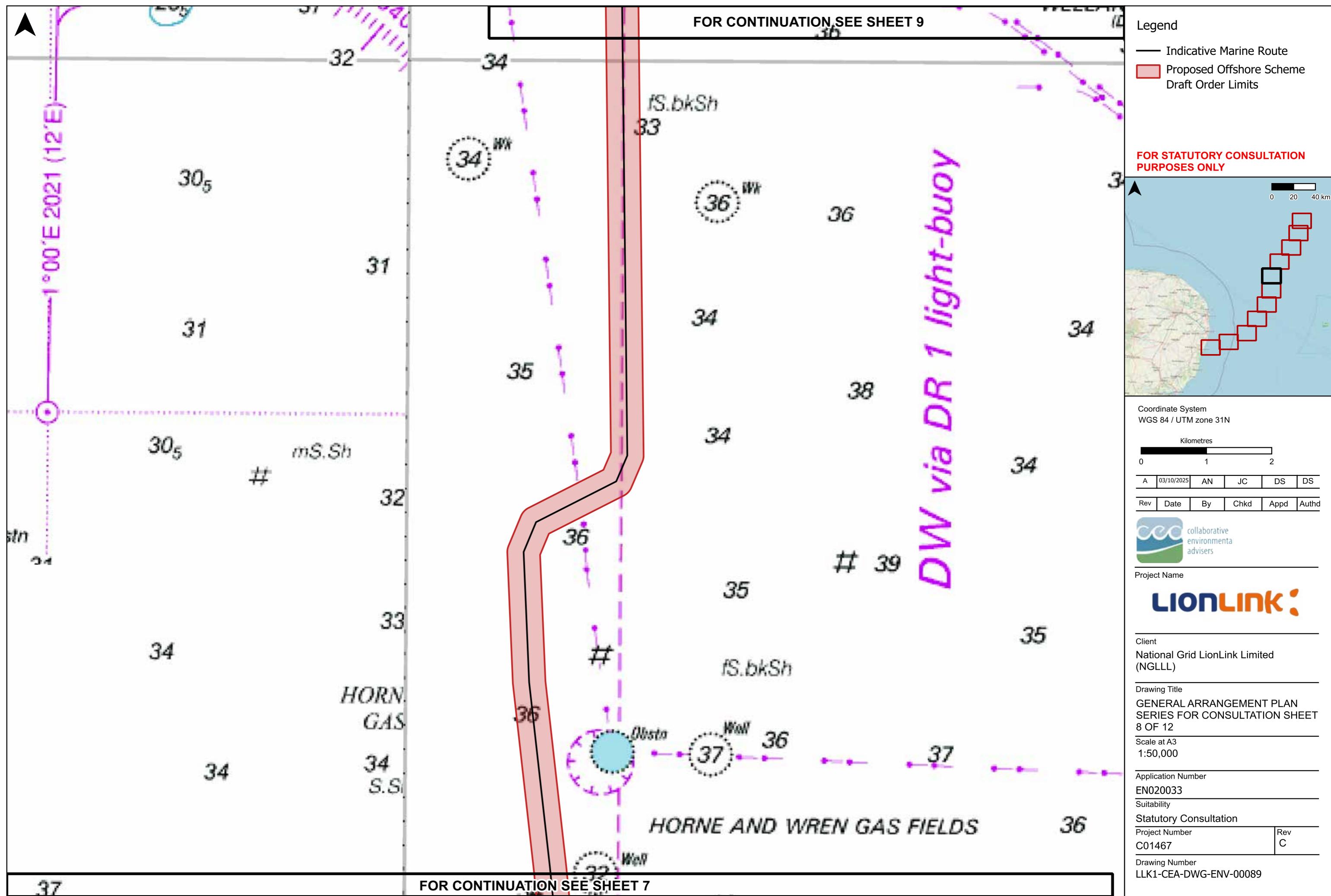
Application Number
EN020033

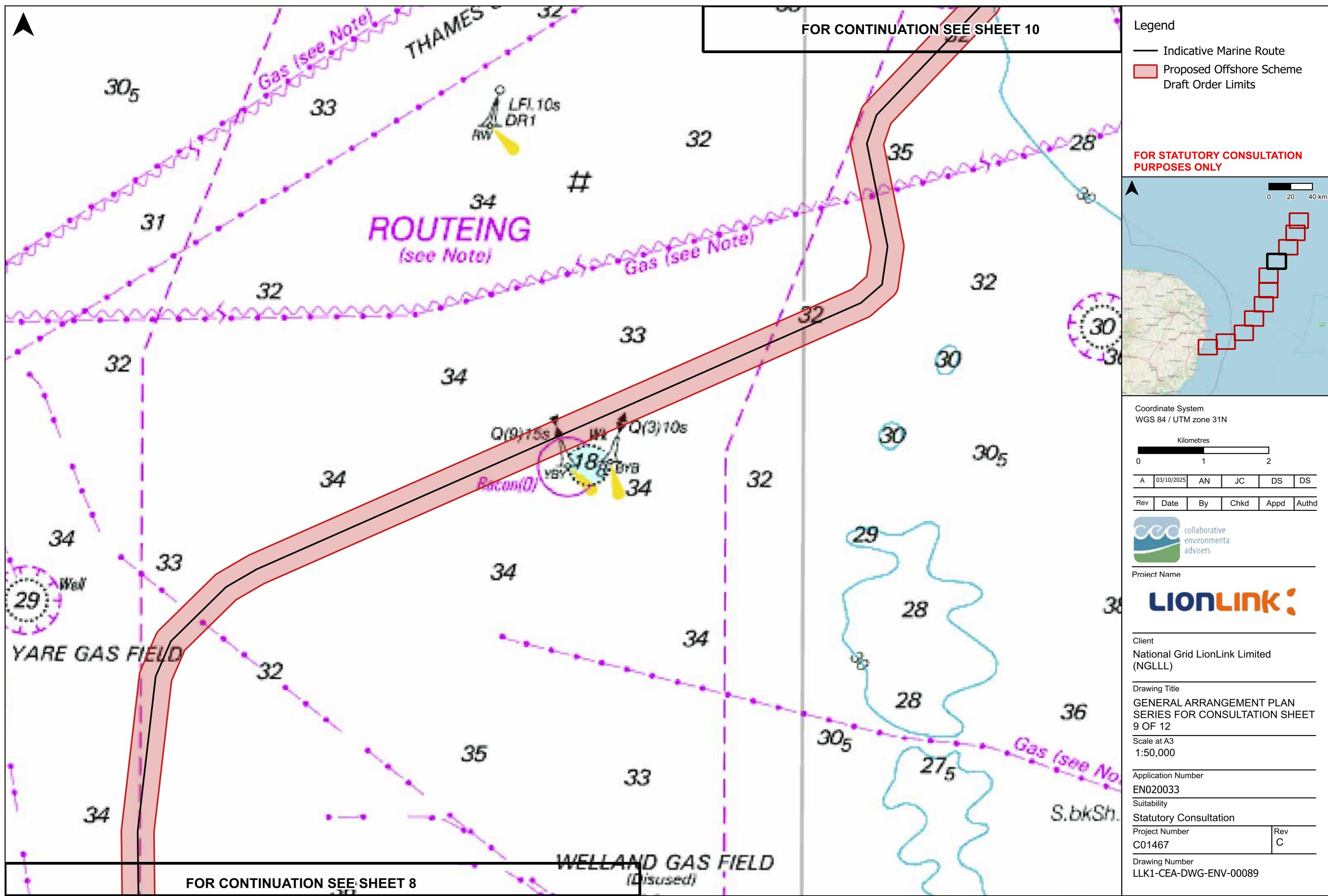
Suitability
Statutory Consultation

Project Number
C01467

Rev
C

Drawing Number
LLK1-CEA-DWG-ENV-00089





31 FOR CONTINUATION SEE SHEET 11

24

Legend

— Indicative Marine Route
■ Proposed Offshore Scheme
Draft Order Limits

**FOR STATUTORY CONSULTATION
PURPOSES ONLY**

0 20 40

Coordinate System WGS 84 / UTM zone 31N

Kilometres

| Rev | Date | By | Chkd | Appd | Authd |
|-----|------|----|------|------|-------|
|-----|------|----|------|------|-------|

collaborative

collaborative
environmental
advisors

Project Name

LIONLINK

Client
**National Grid LionLink Limited
(NGLL)**

Drawing Title
**GENERAL ARRANGEMENT PLAN
SERIES FOR CONSULTATION SHEET
10 QE 12**

10 Oct 12

Application Number
FN020033

Suitability

Project Number C01467 Rev C

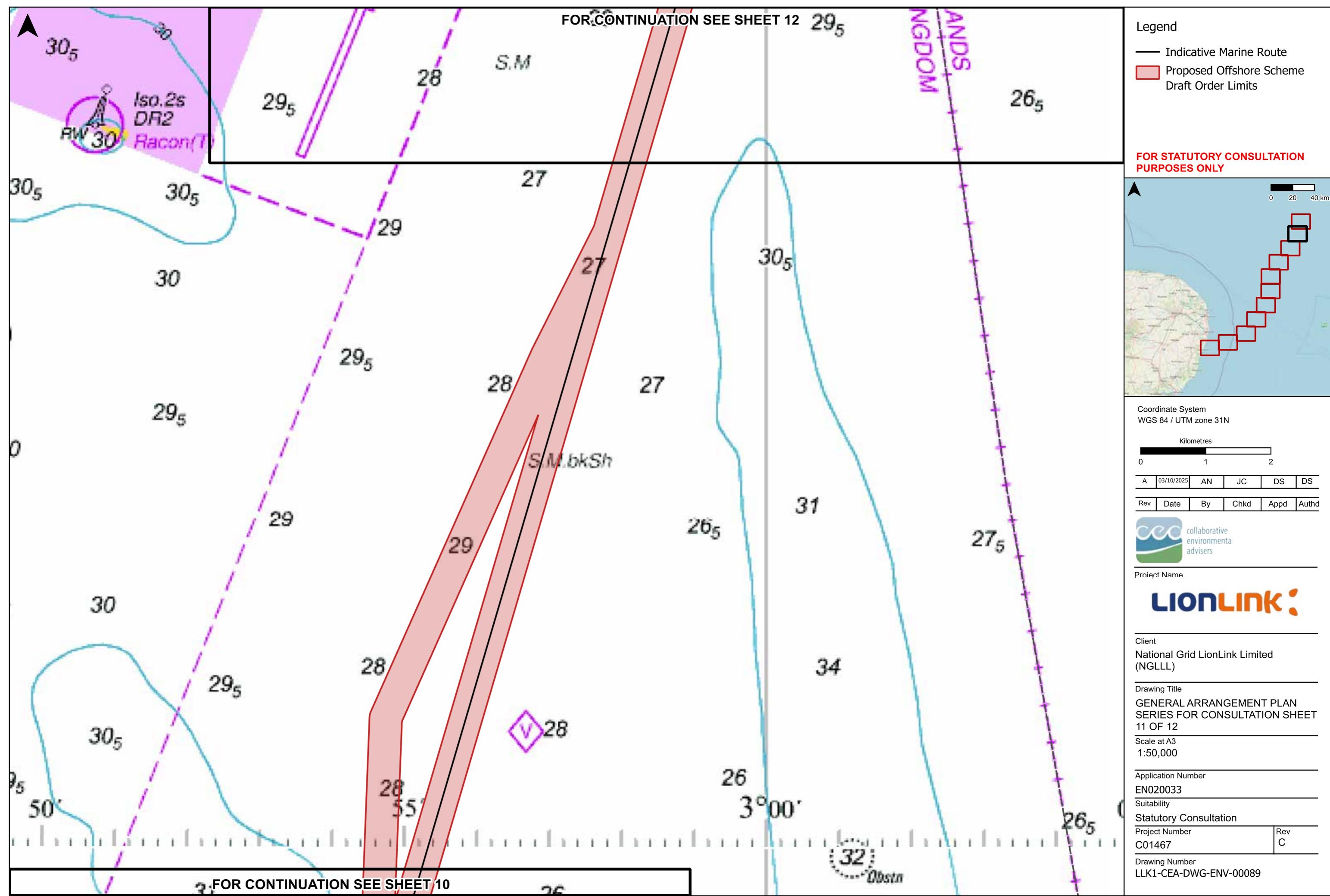
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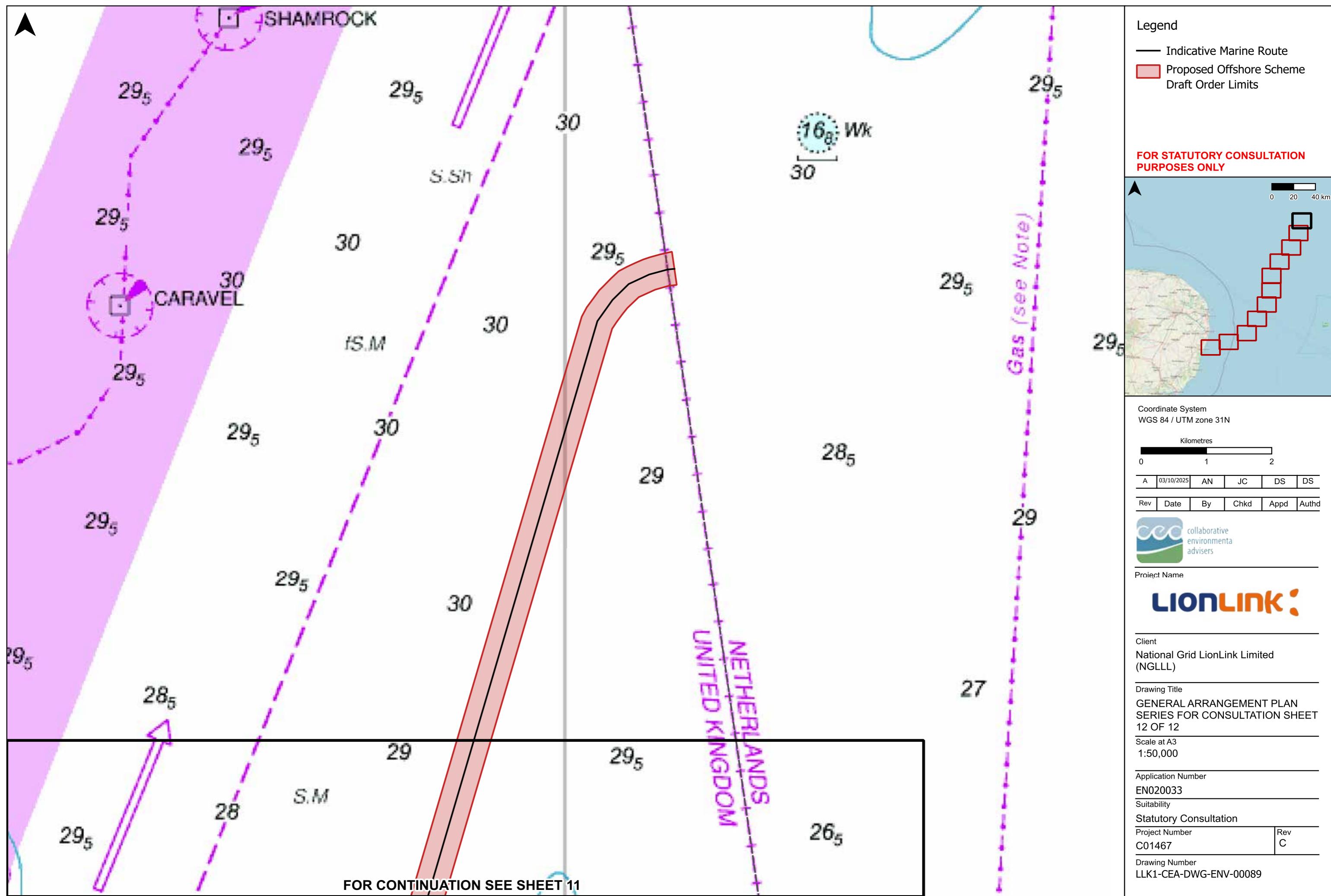
2011 GEN. DWS ENV. 000009

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FOR CONTINUATION SEE SHEET 9





Section Number
02-01

Category Name
Kiln Lane 400 kV Substation

NATIONAL GRID LIONLINK LIMITED (NGLL)

TYPICAL LIONLINK WORKS SHOULD KILN LANE 400kV GIS BE DEVELOPED BY OTHERS FOR STATUTORY CONSULTATION

SHEET 01 OF 01



| NOMINAL SYSTEM VOLTAGE | PHASE TO EARTH | PHASE TO PHASE | SAFETY DISTANCE (FROM NATIONAL GRID SAFETY RULES) | DESIGN CLEARANCE FOR SAFETY (VERTICAL) Ds | DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) Dsh | INSULATION HEIGHT lh |
|------------------------|----------------|----------------|---|---|--|----------------------|
| kV | mm | mm | mm | mm | mm | mm |
| 400 | 2800 | 3600 | 3100 | 5500 | 4600 | 2400 |

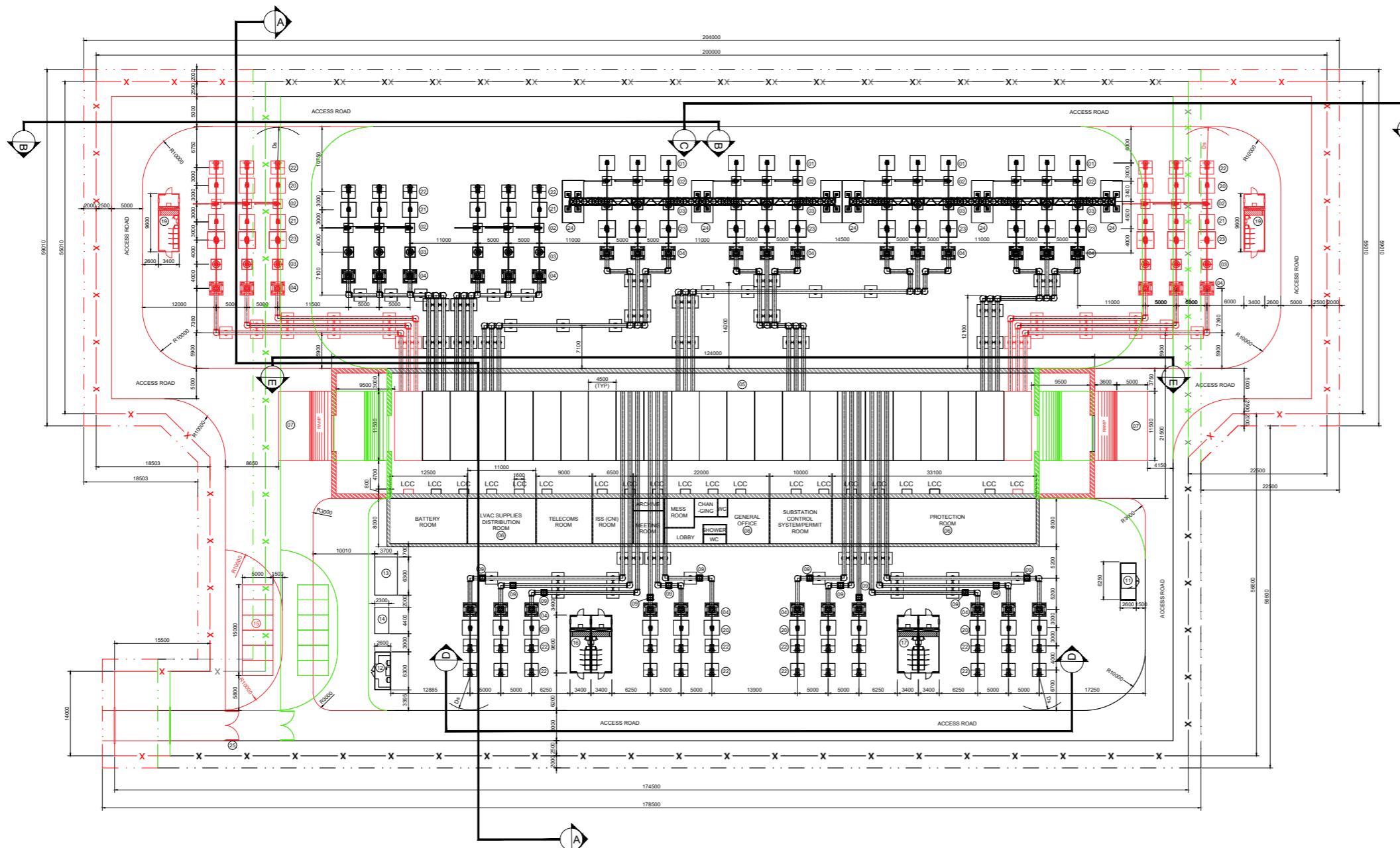
| KEY TO 400kV EQUIPMENT TYPES | |
|------------------------------|--|
| REF | EQUIPMENT TYPE |
| LCC | LOCAL CONTROL CABINET |
| MBS | MAIN BUS SECTION |
| RBS | RESERVE BUS SECTION |
| GIS | GAS INSULATED SWITCHGEAR |
| Ds | DESIGN CLEARANCE FOR SAFETY (VERTICAL) |
| Dsh | DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) |
| BC | BUS COUPLER |
| AIS | AIR INSULATED SWITCHGEAR |
| lh | INSULATION HEIGHT (PEDESTRIAN ACCESS) |

NOTES:

1. THIS PLAN 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. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
4. THIS DRAWING IS SHOWN FOR INDICATIVE PURPOSES ONLY AND IS SUBJECT TO CHANGE AS THE PROJECT PROGRESSES THROUGH DETAILED DESIGN.
5. THIS DRAWING SHOWS THE EXTENSION WORKS REQUIRED TO CONNECT TWO NEW LIONLINK CIRCUITS ONTO EXISTING KILN LANE GIS SUBSTATION CONSTRUCTED BY OTHERS.
6. DO NOT SCALE FROM THIS DRAWING.
7. THE EXISTING ARRANGEMENT REFERS TO THE LAYOUT OF KILN LANE SUBSTATION AS IT WOULD APPEAR IF CONSTRUCTED PRIOR TO THE COMMENCEMENT OF LIONLINK.
8. A 2m FLAT STERILE SECURITY ZONE SPACING OUTSIDE THE SUBSTATION IS MAINTAINED AROUND THE PERIMETER FENCE.

LEGEND:

| | |
|-----------|---------------------------------|
| — X — | FENCE |
| — - - | LIMIT OF LAND |
| — — — | EXISTING ARRANGEMENT |
| — — — — — | EXTENSION / NEW EQUIPMENT |
| — — — — — | REMOVAL OF EXISTING ARRANGEMENT |



| ID | DESCRIPTION |
|----|--|
| 01 | 400kV AIS CAPACITIVE VOLTAGE TRANSFORMER |
| 02 | 400kV AIS EARTH SWITCH |
| 03 | 400kV AIS SURGE ARRESTOR |
| 04 | 400kV GIS / AIR BUSHING |
| 05 | 400kV GIS HALL |
| 06 | 400kV ANNEX BUILDING |
| 07 | HARDSTANDING AREA |
| 08 | AMENITIES BLOCK |
| 09 | 400kV GIS SURGE ARRESTOR |
| 10 | 400kV GIS / CABLE INTERFACE |
| 11 | STORAGE |
| 12 | WORKSHOP |
| 13 | EMERGENCY DIESEL GENERATOR |
| 14 | DIESEL TANK |
| 15 | PARKING |
| 16 | DISTRIBUTED RELAY ROOM 1 |
| 17 | DISTRIBUTED RELAY ROOM 2 |
| 18 | DISTRIBUTED RELAY ROOM 3 |
| 19 | DISTRIBUTED RELAY ROOM 4 |
| 20 | 400kV CAPACITIVE VOLTAGE TRANSFORMER 3-PHASE WITH POWER QUALITY MONITORING |
| 21 | 400kV INDUCTIVE VOLTAGE TRANSFORMER |
| 22 | 400kV CABLE SEALING END |
| 23 | 400kV AIS CURRENT TRANSFORMER |
| 24 | GANTRY |
| 25 | ACCESS GATE |

FOR STATUTORY CONSULTATION PURPOSES ONLY

P03 23/09/2025 AS PER CLIENT'S INSTRUCTION CAE US RU
 P02 22/07/2025 FOR STATUTORY CONSULTATION AAK US NS
 P01 02/06/2025 FIRST ISSUE CAE US NS

Issue Date Remarks Drawn Checked Approved

Title NATIONAL GRID LIONLINK LIMITED (NGLL)
 TYPICAL LIONLINK WORKS SHOULD KILN LANE 400kV GIS BE
 DEVELOPED BY OTHERS
 SHEET 01 OF 01

Project Name



Application Number EN020033

National Grid LionLink Limited Drawing Reference LLK1-BRH-DWG-CVD-000159

Scale 1:400 Sheet Size A1 Sheet 01 OF 01 Issue P03

NATIONAL GRID LIONLINK LIMITED (NGLL)

TYPICAL LIONLINK WORKS FOR KILN LANE 400kV GIS SUBSTATION IN SCENARIO WHERE NO CONSTRUCTION BY THIRD PARTY FOR STATUTORY CONSULTATION

SHEET 01 OF 01



| NOMINAL SYSTEM VOLTAGE | PHASE TO EARTH | PHASE TO PHASE | SAFETY DISTANCE (FROM NATIONAL GRID SAFETY RULES) | DESIGN CLEARANCE FOR SAFETY (VERTICAL) Ds | DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) Dsh | INSULATION HEIGHT lh |
|------------------------|----------------|----------------|---|---|--|----------------------|
| kV | mm | mm | mm | mm | mm | mm |
| 400 | 2800 | 3600 | 3100 | 5500 | 4600 | 2400 |

| KEY TO 400kV EQUIPMENT TYPES | |
|------------------------------|--|
| REF | EQUIPMENT TYPE |
| LCC | LOCAL CONTROL CABINET |
| MBS | MAIN BUS SECTION |
| RBS | RESERVE BUS SECTION |
| GIS | GAS INSULATED SWITCHGEAR |
| Ds | DESIGN CLEARANCE FOR SAFETY (VERTICAL) |
| Dsh | DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) |
| BC | BUS COUPLER |
| AIS | AIR INSULATED SWITCHGEAR |
| lh | INSULATION HEIGHT (PEDESTRIAN ACCESS) |

NOTES:

1. THIS PLAN 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. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
4. THIS DRAWING IS SHOWN FOR INDICATIVE PURPOSES ONLY AND IS SUBJECT TO CHANGE AS THE PROJECT PROGRESSES THROUGH DETAILED DESIGN.
5. THIS DRAWING SHOWS THE WORKS REQUIRED FOR THE FULL BUILD OUT OF KILN LANE SUBSTATION INCLUDING THE TWO LIONLINK CIRCUIT CONNECTIONS, WITH NO CONSTRUCTION BY THIRD PARTY.
6. A 2m FLAT STERILE SECURITY ZONE SPACING OUTSIDE THE SUBSTATION IS MAINTAINED AROUND THE PERIMETER FENCE.
7. THE FULL BUILD OUT REFERS TO THE COMPLETE FINAL DESIGN OF THE SUBSTATION INCLUDING THE LIONLINK EQUIPMENT

LEGEND:

- X — FENCE
- - - LIMIT OF LAND
- NEW EQUIPMENT

| ID | DESCRIPTION |
|----|--|
| 01 | 400kV AIS CAPACITIVE VOLTAGE TRANSFORMER |
| 02 | 400kV AIS EARTH SWITCH |
| 03 | 400kV AIS SURGE ARRESTOR |
| 04 | 400kV GIS / AIR BUSHING |
| 05 | 400kV GIS HALL |
| 06 | 400kV ANNEX BUILDING |
| 07 | HARDSTANDING AREA |
| 08 | AMENITIES BLOCK |
| 09 | 400kV GIS SURGE ARRESTOR |
| 10 | 400kV GIS / CABLE INTERFACE |
| 11 | STORAGE |
| 12 | WORKSHOP |
| 13 | EMERGENCY DIESEL GENERATOR |
| 14 | DIESEL TANK |
| 15 | PARKING |
| 16 | DISTRIBUTED RELAY ROOM 1 |
| 17 | DISTRIBUTED RELAY ROOM 2 |
| 18 | DISTRIBUTED RELAY ROOM 3 |
| 19 | DISTRIBUTED RELAY ROOM 4 |
| 20 | 400kV CAPACITIVE VOLTAGE TRANSFORMER 3-PHASE WITH POWER QUALITY MONITORING |
| 21 | 400kV INDUCTIVE VOLTAGE TRANSFORMER |
| 22 | 400kV CABLE SEALING END |
| 23 | 400kV AIS CURRENT TRANSFORMER |
| 24 | GANTRY |
| 25 | ACCESS GATE |
| 26 | ARCHIVE ROOM |
| 27 | MEETING ROOM |

FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-----|------------|----------------------------|-----|----|----|
| P03 | 23/09/2025 | AS PER CLIENTS INSTRUCTION | CAE | US | RU |
| P02 | 22/07/2025 | FOR STATUTORY CONSULTATION | AAK | US | RU |
| P01 | 04/06/2025 | FIRST ISSUE | CAE | US | RU |

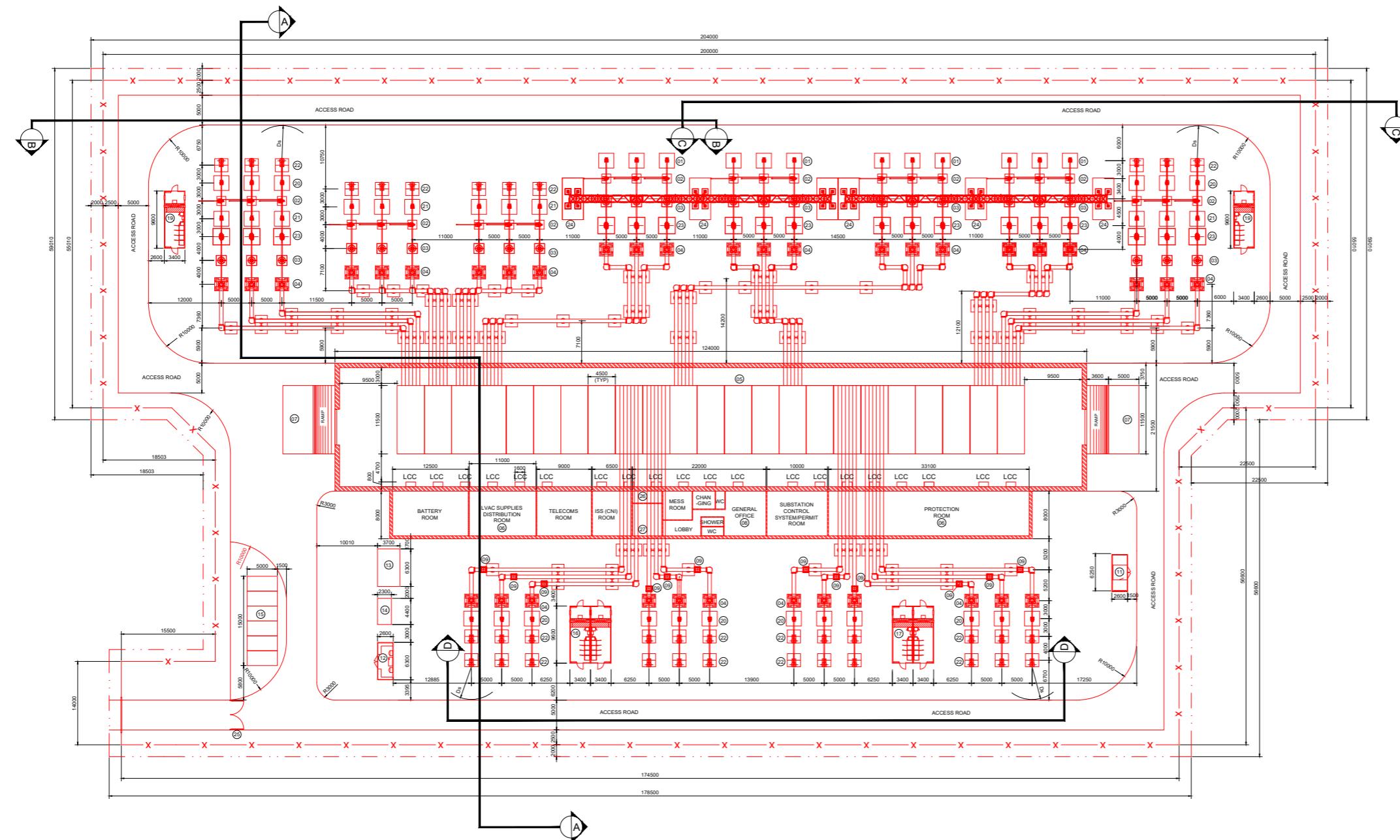
Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL LIONLINK WORKS FOR KILN LANE 400kV GIS
SUBSTATION IN SCENARIO WHERE NO CONSTRUCTION
BY THIRD PARTY FOR STATUTORY CONSULTATION
SHEET 01 OF 01

Project Name: **LIONLINK**

Application Number: EN020033

National Grid LionLink Limited Drawing Reference: LLK1-BRH-DWG-CVD-000160

| Scale | Sheet Size | Sheet | Issue |
|-------|------------|----------|-------|
| 1:400 | A1 | 01 OF 01 | P03 |



NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL KILN LANE 400kV GIS SUBSTATION ELEVATION FOR STATUTORY CONSULTATION
SHEET 01 OF 01

NOTES:

1. THIS PLAN 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. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
4. THIS DRAWING IS SHOWN FOR INDICATIVE PURPOSES ONLY AND IS SUBJECT TO CHANGE, AS THE PROJECT PROGRESSES THROUGH DETAILED DESIGN.
5. THIS DRAWING SHOWS THE ELEVATIONS AS PER THE SECTION MARKERS IN LK1-BRH-DWG-CVD-000161.
6. THIS DRAWING SHOWS THE WORKS REQUIRED FOR THE FULL BUILD OUT OF KILN LANE SUBSTATION INCLUDING THE TWO LIONLINK CIRCUIT CONNECTIONS.

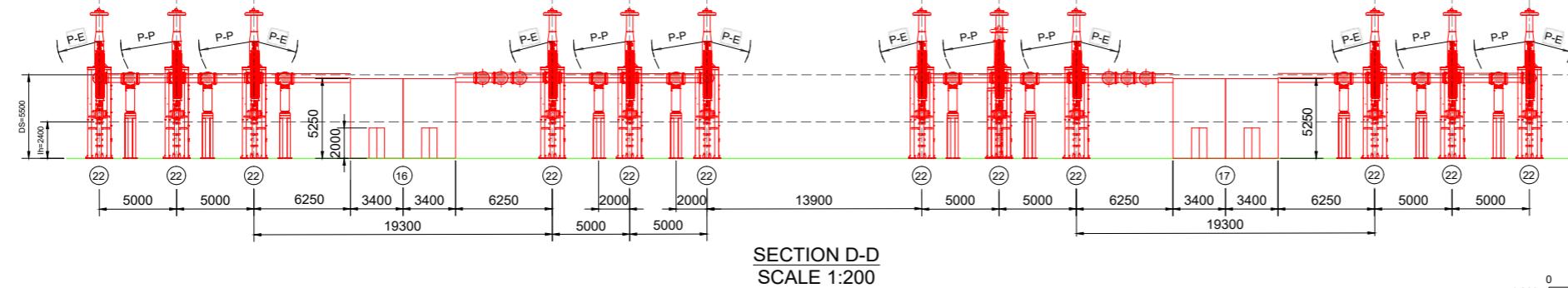
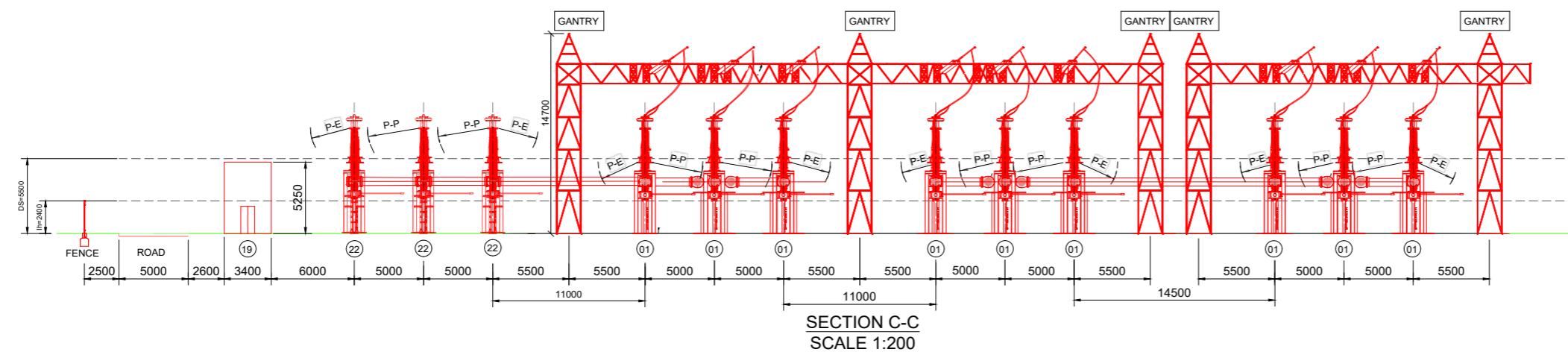
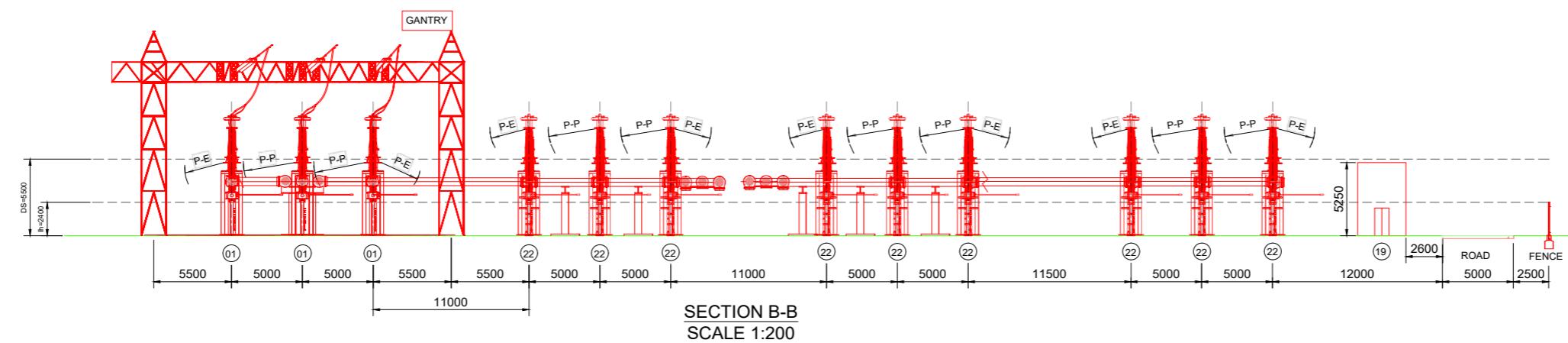
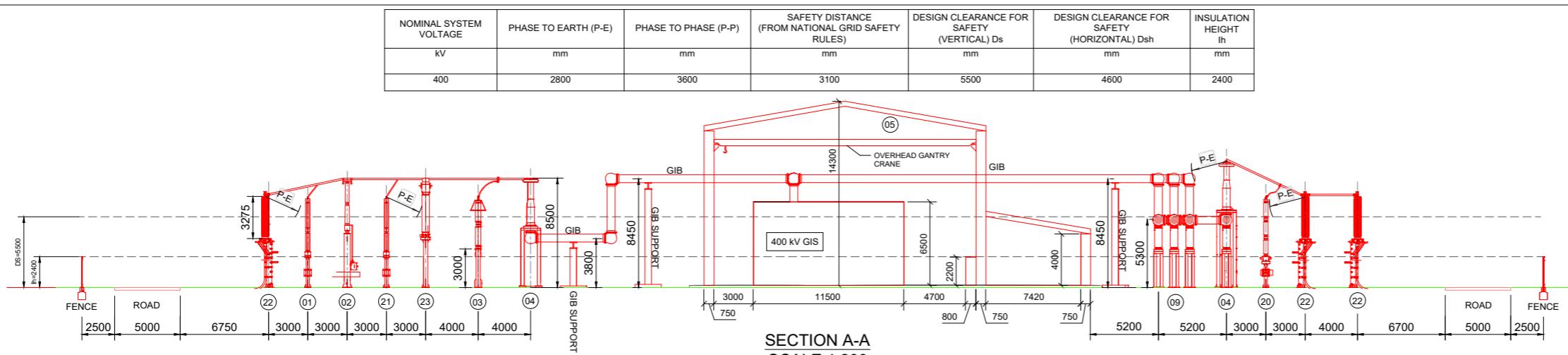
LEGEND:

NEW EQUIPMENT
SURFACE LEVEL

| KEY TO 400kV EQUIPMENT TYPES | |
|------------------------------|--|
| REF | EQUIPMENT TYPE |
| LCC | LOCAL CONTROL CABINET |
| MBS | MAIN BUS SECTION |
| RBS | RESERVE BUS SECTION |
| GIS | GAS INSULATED SWITCHGEAR |
| Ds | DESIGN CLEARANCE FOR SAFETY (VERTICAL) |
| Dsh | DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) |
| BC | BUS COUPLER |
| AIS | AIR INSULATED SWITCHGEAR |
| Ih | INSULATION HEIGHT (PEDESTRIAN ACCESS) |
| P-E | PHASE TO EARTH |
| P-P | PHASE TO PHASE |

| ID | DESCRIPTION |
|----|--|
| 01 | 400kV AIS CAPACITIVE VOLTAGE TRANSFORMER |
| 02 | 400kV AIS EARTH SWITCH |
| 03 | 400kV AIS SURGE ARRESTOR |
| 04 | 400kV GIS / AIR BUSHING |
| 05 | 400kV GIS HALL |
| 06 | 400kV ANNEX BUILDING |
| 07 | HARDSTANDING AREA |
| 08 | AMENITIES BLOCK |
| 09 | 400kV GIS SURGE ARRESTOR |
| 10 | 400kV GIS / CABLE INTERFACE |
| 11 | STORAGE |
| 12 | WORKSHOP |
| 13 | EMERGENCY DIESEL GENERATOR |
| 14 | DIESEL TANK |
| 15 | PARKING |
| 16 | DISTRIBUTED RELAY ROOM 1 |
| 17 | DISTRIBUTED RELAY ROOM 2 |
| 18 | DISTRIBUTED RELAY ROOM 3 |
| 19 | DISTRIBUTED RELAY ROOM 4 |
| 20 | 400kV CAPACITIVE VOLTAGE TRANSFORMER 3-PHASE WITH POWER QUALITY MONITORING |
| 21 | 400kV INDUCTIVE VOLTAGE TRANSFORMER |
| 22 | 400kV CABLE SEALING END |
| 23 | 400kV AIS CURRENT TRANSFORMER |
| 24 | GANTRY |

| | | | | | |
|--|------------|----------|-------|---------|----------|
| FOR STATUTORY CONSULTATION PURPOSES ONLY | | | | | |
| Issue | Date | Remarks | Drawn | Checked | Approved |
| Title: NATIONAL GRID LIONLINK LIMITED (NGLL) TYPICAL KILN LANE 400kV GIS SUBSTATION ELEVATION FOR STATUTORY CONSULTATION SHEET 01 OF 01 | | | | | |
| Project Name: LIONLINK | | | | | |
| Application Number: EN020033 | | | | | |
| National Grid LionLink Limited Drawing Reference LLK1-BRH-DWG-CVD-000161 | | | | | |
| Scale | Sheet Size | Sheet | Issue | | |
| 1:200 | A1 | 01 OF 01 | P03 | | |



Section Number
02-02

Category Name
Saxmundham Converter Station

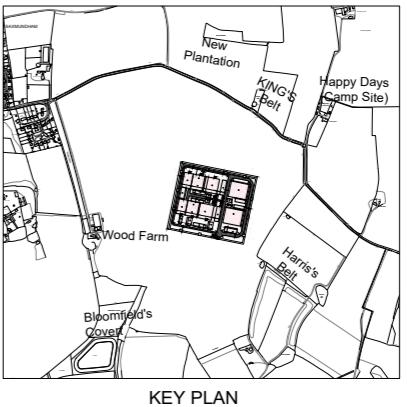
NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL 2GW HVDC CONVERTER STATION PLAN (INDOOR LAYOUT) FOR STATUTORY CONSULTATION
SHEET 01 OF 01

NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
2. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
3. THIS DRAWING IS INDICATIVE ONLY AND SUBJECT TO CHANGE.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
5. THE PERIMETER STATION FENCE WILL BE 2.4M IN HEIGHT AND WILL HAVE A 5m FLAT STEPPED SECURITY ZONE, SPACING OUTSIDE THE CONVERTER STATION AROUND THE PERIMETER FENCE.

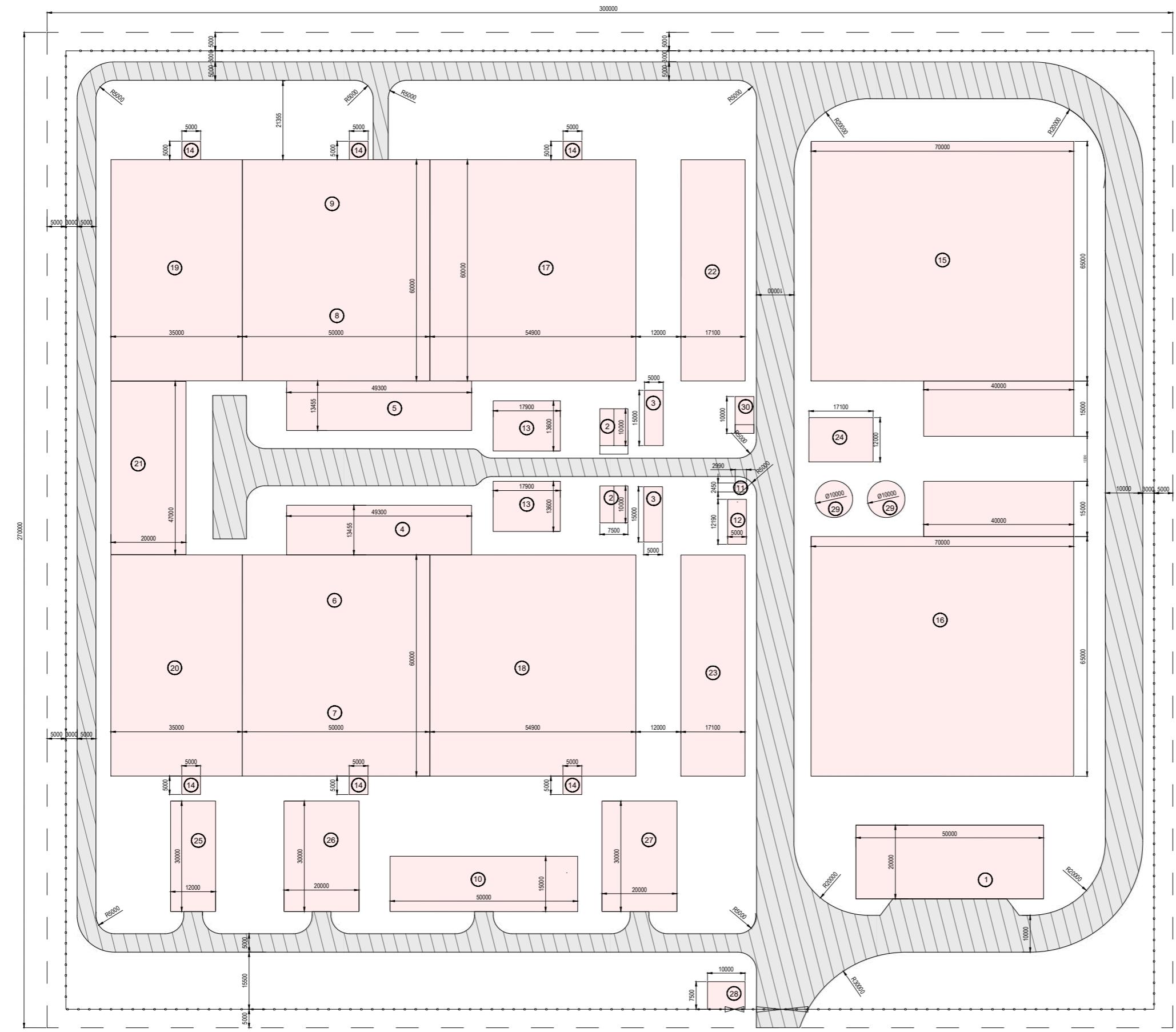
LEGEND:

1. STORAGE BUILDING
2. MEDIUM VOLTAGE SUPPLY BUILDING
3. RELAY BUILDING
4. POLE 2 SERVICE BUILDING
5. POLE 1 SERVICE BUILDING
6. POLE 2 NEUTRAL VALVE HALL
7. POLE 2 VALVE HALL
8. POLE 1 NEUTRAL VALVE HALL
9. POLE 1 VALVE HALL
10. CONTROL BUILDING
11. BUNDED DIESEL TANK
12. DIESEL GENERATOR ENCLOSURE
13. VALVE COOLING TOWER
14. AIR HANDLING UNIT
15. POLE 1 AC YARD AND FILTER HALL
16. POLE 2 AC YARD AND FILTER HALL
17. POLE 1 REACTOR HALL
18. POLE 2 REACTOR HALL
19. POLE 1 DC HALL
20. POLE 2 DC HALL
21. NEUTRAL CONNECTION
22. POLE 1 CONVERTER TRANSFORMERS
23. POLE 2 CONVERTER TRANSFORMERS
24. SPARE CONVERTER TRANSFORMERS
25. CABLE STORE
26. EQUIPMENT UNLOADING AREA
27. CAR PARK
28. DISTRIBUTION NETWORK OPERATOR BUILDING
29. FIRE TANK
30. BURIED OIL INTERCEPTOR



KEY PLAN

SCALE N.T.S



FOR STATUTORY CONSULTATION PURPOSES ONLY

P03 18/08/2023 FOR STATUTORY CONSULTATION CAE RU JH
P02 23/07/2023 FOR STATUTORY CONSULTATION AAK RU NS
P01 01/06/2023 FIRST ISSUE CAE RU NS
Issue Date Remarks Drawn Checked Approved

Title NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL 2GW HVDC CONVERTER STATION PLAN
(INDOOR LAYOUT) FOR STATUTORY CONSULTATION
SHEET 01 OF 01

Project Name **LIONLINK**

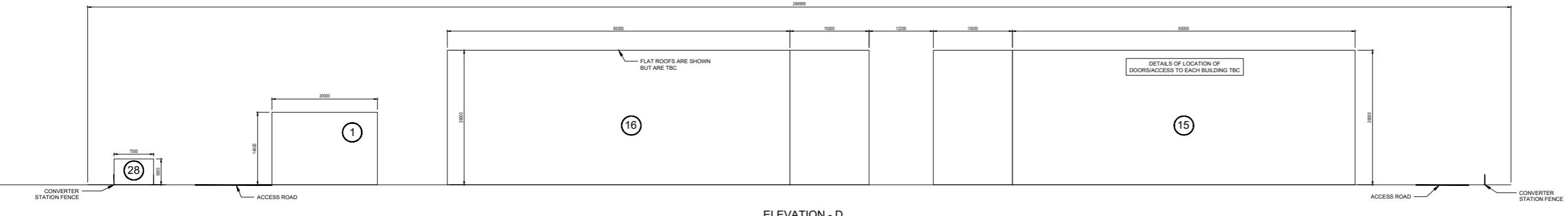
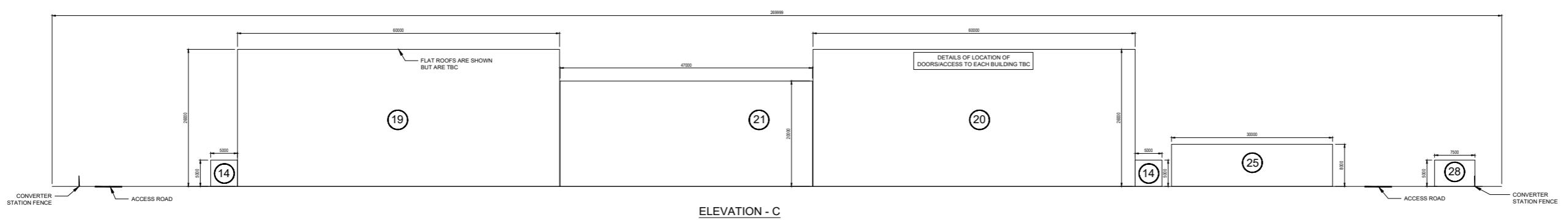
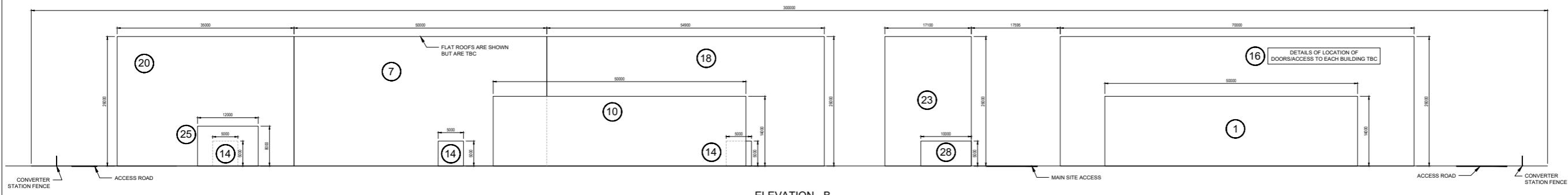
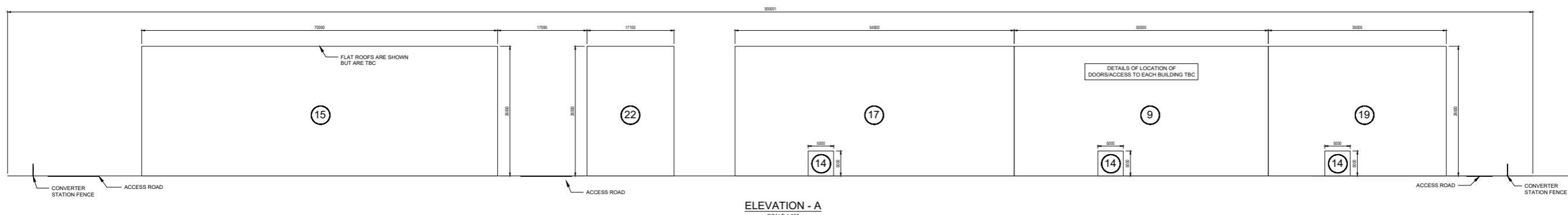
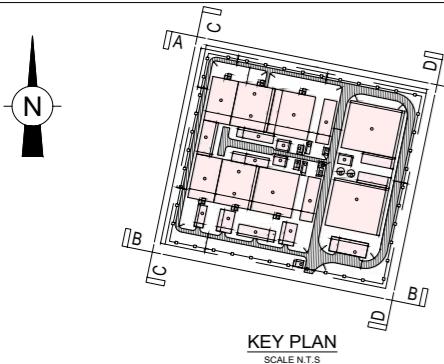
Application Number EN020033

National Grid LionLink Drawing Reference

LLK1-BRH-DWG-CVD-000152

Scale 1:400 Sheet Size A0 Sheet 01 OF 01 Issue P03

NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL 2GW HVDC CONVERTER STATION ELEVATIONS (INDOOR DESIGN) FOR STATUTORY CONSULTATION
SHEET 01 OF 01



NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
2. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
3. THE MAXIMUM HEIGHT OF 26M INCLUDES ANY ROOF DESIGN.
4. THIS DRAWING IS INDICATIVE ONLY SUBJECT TO CHANGE.
5. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
6. REFER TO DRAWING LLK1-BRH-DWG-CVD-000152 FOR KEY PLAN VIEW.
7. MAXIMUM ROOF HEIGHT IS 26M EXCLUDING ROOF EQUIPMENT, LIGHTNING RODS, HANDRAILS AND ROOF MOUNTED PLATES.
8. THE CONVERTER STATION FENCE WILL BE 2.4M IN HEIGHT AND WILL HAVE A 5m FLAT STERILE SECURITY ZONE SPACING OUTSIDE THE CONVERTER STATION AROUND THE PERIMETER FENCE.

LEGEND:

1. STORAGE BUILDING
2. MEDIUM VOLTAGE SUPPLY BUILDING
3. RELAY BUILDING
4. POLE 2 SERVICE BUILDING
5. POLE 1 SERVICE BUILDING
6. POLE 2 NEUTRAL VALVE HALL
7. POLE 2 VALVE HALL
8. POLE 1 NEUTRAL VALVE HALL
9. POLE 1 VALVE HALL
10. CONTROL BUILDING
11. BUNDLED DIESEL TANK
12. DIESEL GENERATOR ENCLOSURE
13. VALVE COOLING TOWER
14. AIR HANDLING UNIT
15. POLE 1 AC YARD AND FILTER HALL
16. POLE 2 AC YARD AND FILTER HALL
17. POLE 1 REACTOR HALL
18. POLE 2 REACTOR HALL
19. POLE 1 DC HALL
20. POLE 2 DC HALL
21. NEUTRAL CONNECTION
22. POLE 1 CONVERTER TRANSFORMERS
23. POLE 2 CONVERTER TRANSFORMERS
24. SPARE CONVERTER TRANSFORMERS
25. CABLE STORE
26. EQUIPMENT UNLOADING AREA
27. CAR PARK
28. DISTRIBUTION NETWORK OPERATOR BUILDING
29. FIRE TANK
30. BURIED OIL INTERCEPTOR

| | | | | | | | | | |
|---|------------|---------|----------|---------|----------|-----|----|----|--|
| FOR STATUTORY CONSULTATION PURPOSES ONLY | | | | | | | | | |
| Issue | Date | Remarks | Drawn | Checked | Approved | CAE | RJ | JH | |
| P01 | 14/06/2023 | | | | | | | | |
| P02 | 23/07/2023 | | | | | | | | |
| P03 | 01/08/2023 | | | | | | | | |
| Issue | Date | Remarks | Drawn | Checked | Approved | TG | RJ | NS | |
| Title: NATIONAL GRID LIONLINK LIMITED (NGLL) TYPICAL 2GW HVDC CONVERTER STATION ELEVATIONS (INDOOR DESIGN) FOR STATUTORY CONSULTATION SHEET 01 OF 01 | | | | | | | | | |
| Project Name: LIONLINK | | | | | | | | | |
| Application Number: EN020033 | | | | | | | | | |
| National Grid LionLink Drawing Reference: LLK1-BRH-DWG-CVD-000153 | | | | | | | | | |
| Scale | Sheet Size | Sheet | 01 of 01 | Issue | P03 | | | | |
| 1:300 | A0 | | | | | | | | |

Section Number
02-03

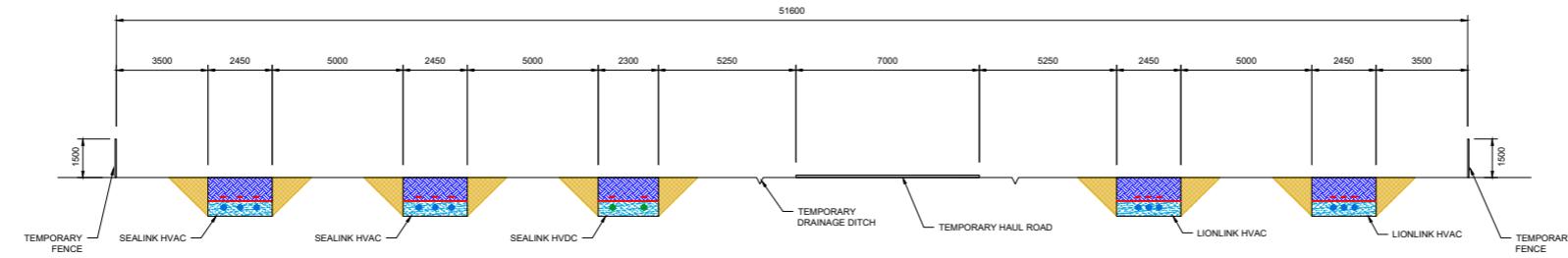
Category Name
HVDC & HVAC Cross Sections

NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL HVAC AND HVDC COMBINED CONSTRUCTION AREA FOR LIONLINK PLUS SEA LINK FOR STATUTORY CONSULTATION
SHEET 01 OF 01

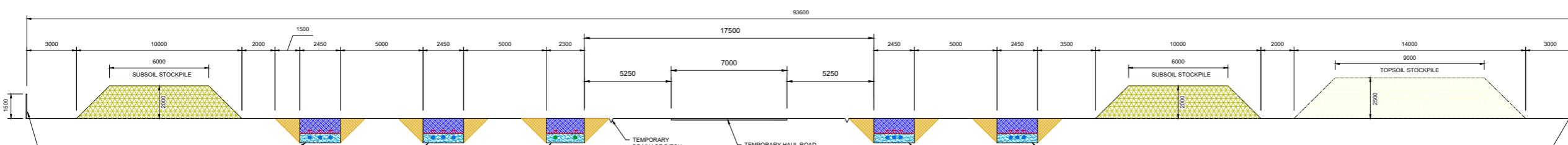
NOTES:
 1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
 2. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
 3. THIS DRAWING IS SHOWN FOR INDICATIVE PURPOSES ONLY AND IS SUBJECT TO CHANGE AS THE PROJECT PROGRESSES THROUGH DETAILED DESIGN.
 4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 5. TRENCHES SHALL BE BACKFILLED AS SOON AS PRACTICABLE AFTER EXCAVATION TO MINIMISE STOCKPILE DURATION. BACKFILL WILL CONSIST OF THE NATIVE SOIL, LONGITUDINAL TRENCHES AND MECHANICALLY STABILISED SUBSOIL AND TOPSOIL WILL BE STORED ADJACENT TO THE TRENCH FOR LATER REINSTATEMENT, WHERE PRACTICAL TO DO SO.
 6. IN AREAS WHERE THERE IS LIMITED WIDTH FOR CABLE CORRIDOR, THE LIONLINK CONSTRUCTION CORRIDOR MAY BE USED INSTEAD OF THE TYPICAL CONSTRUCTION CORRIDOR.
 7. DEPTH TO THE TOP OF THE CABLE COVER MAY VARY DEPENDING ON GROUND LEVELS AND TERRAIN THE CABLE WILL BE INSTALLED IN.

LEGEND:

-  WELL COMPACTED THERMALLY SUITABLE BACKFILL
-  WELL COMPACTED THERMALLY SUITABLE BACKFILL (SPILLED EXCAVATION)
-  CEMENT - BOUND SAND CABLE SURROUND
-  CABLE PROTECTION TILES
-  CABLE WARNING TAPE
-  TOPSOIL STOCKPILE
-  SUBSOIL STOCKPILE
-  TEMPORARY HAUL ROAD / FOOTWAY



SEA LINK HVDC AND HVAC / LIONLINK HVAC NARROW
CONSTRUCTION CORRIDOR
CROSS SECTION
SCALE: 1:100



SEA LINK HVDC & HVAC / LIONLINK HVAC CONSTRUCTION CORRIDOR
CROSS SECTION
SCALE: 1:100

0 5 10m

FOR STATUTORY CONSULTATION PURPOSES ONLY

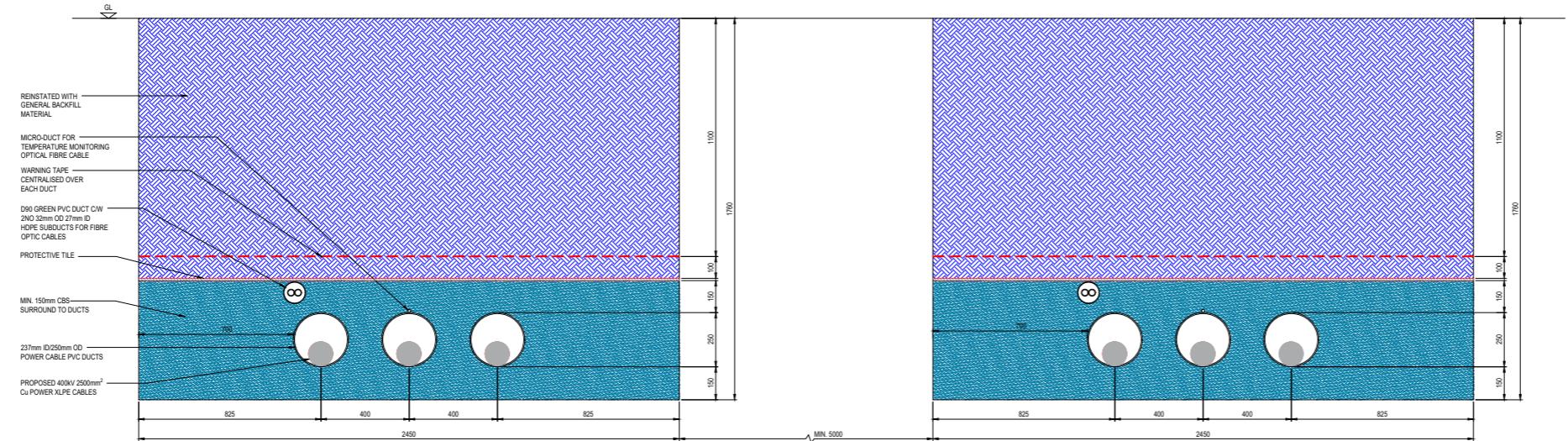
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| P02 | 22/07/2025 | FOR STATUTORY CONSULTATION | TG | RU | ND |
| P01 | 02/06/2025 | FIRST ISSUE | CAE | RU | ND |
| Issue | Date | Approved | Checked | Approved | Checked |

This is a NATIONAL GRID LIONLINK LIMITED document.
TYPICAL HVAC AND HVDC COMBINED CONSTRUCTION AREA FOR
LIONLINK PLUS SEA LINK FOR STATUTORY CONSULTATION
SHEET 01 OF 01

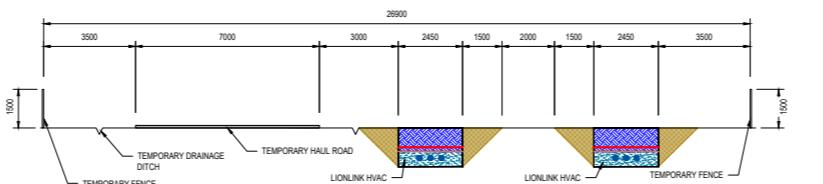
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| Project Name | LIONLINK | | | | |
| Application Number | EN020033 | | | | |
| National Grid LionLink Limited Drawing Reference | | | | | |
| LLK1-BRH-DWG-CVD-000162 | | | | | |
| Scale | 1:100 | Sheet Size | A0 | Sheet | 01 OF 01 |
| Issue | P02 | | | | |

NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL HVAC DUCTED CROSS SECTION AND CONSTRUCTION AREA FOR STATUTORY CONSULTATION
SHEET 01 OF 01

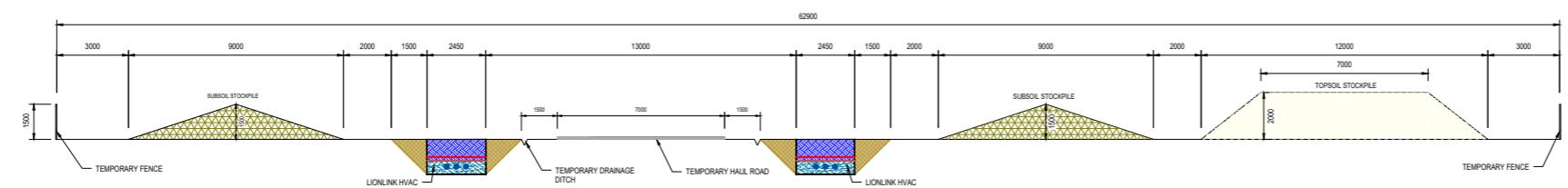
NOTES:
 1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS
 LARGER THAN SMALLER SIZES WILL AFFECT ACCORDING TO THE
 MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
 2. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO
 VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY
 ENVIRONMENTAL INFORMATION REPORT.
 3. THIS PLAN IS FOR STATUTORY CONSULTATION PURPOSES ONLY AND IS
 SUBJECT TO CHANGE AS THE PROJECT PROGRESSES THROUGH
 DETAILED DESIGN. THE CONSTRUCTION WIDTHS MAY REDUCE IF
 CONDITIONS ALLOW.
 4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 5. THE TRENCH WILL BE BACKFILLED AS SOON AS PRACTICABLE AFTER
 EXCAVATION TO MINIMISE STOCKPILE DURATION. BACKFILL WILL
 CONSIST OF THE NATIVE SOIL, AS LONG AS IT IS THERMALLY AND
 MECHANICALLY SUITABLE. THE SUBSOIL AND TOPSOIL WILL BE STORED
 ADJACENT TO THE TRENCH FOR LATER REINSTATEMENT, WHERE
 PRACTICAL TO DO.
 6. IN AREAS WITH LIMITED WIDTH FOR CABLE CONSTRUCTION, A NARROW
 CORRIDOR SHALL BE USED TO RESTRICT CONSTRUCTION WIDTH.
 7. DEPTH TO THE TOP OF THE CABLE COVER MAY VARY DEPENDING ON
 GROUND LEVELS AND TERRAIN THE CABLE WILL BE INSTALLED IN.



TYPICAL HVAC TRENCH DETAIL FOR CABLES IN
UNMADE GROUND OR AGRICULTURAL LAND
SCALE: 1:10



LIONLINK HVAC NARROW CONSTRUCTION CORRIDOR
CROSS SECTION
SCALE: 1:100



LIONLINK HVAC CONSTRUCTION CORRIDOR
CROSS SECTION
SCALE: 1:100

FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|------------|----------------------------|-------|---------|----------|
| P01 | 22/08/2023 | FOR STATUTORY CONSULTATION | RC | RU | ZH |
| P02 | 23/08/2023 | FOR STATUTORY CONSULTATION | TG | RU | NS |
| P03 | 01/09/2023 | FIRST ISSUE | RC | DS | RU |
| Issue | Date | Remarks | Drawn | Checked | Approved |

Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL HVAC DUCTED CROSS SECTION AND CONSTRUCTION AREA FOR STATUTORY CONSULTATION
SHEET 01 OF 01

Project Name: **LIONLINK**

Application Number: EN020033

National Grid LionLink Drawing Reference

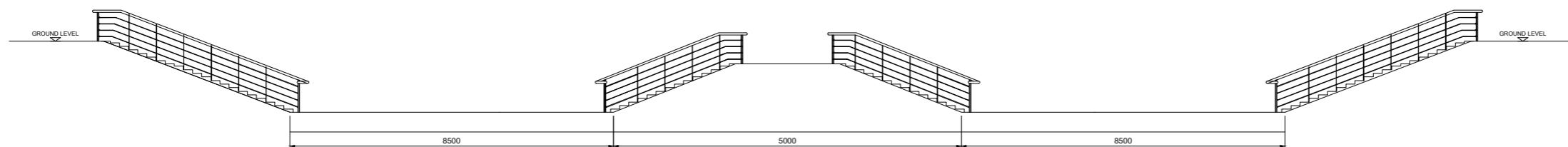
LLK1-BRH-DWG-CVD-000163

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|----------|------------|----------|-------|
| Scale | Sheet Size | Sheet | Issue |
| AS SHOWN | A0 | 01 OF 01 | P03 |

NATIONAL GRID LIONLINK LIMITED (NGLLL)
TYPICAL 400kV HVAC JOINT BAY ARRANGEMENT FOR STATUTORY CONSULTATION
SHEET 01 OF 01

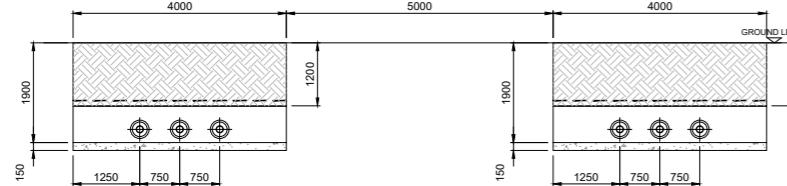
NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED DOWN.
2. FOR DETAILED INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
3. THIS DRAWING IS SHOWN FOR INDICATIVE PURPOSES ONLY AND IS SUBJECT TO CHANGE AS THE PROJECT PROGRESSES THROUGH DETAILED DESIGN. THE CONSTRUCTION WIDTHS MAY REDUCE IF CONDITIONS ALLOW.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
5. MARKER POSTS / PLATES ARE REQUIRED AT THE JOINT LOCATIONS.
6. THE MAX LENGTH OF OPEN TRENCH FOR SNAKING EITHER SIDE OF THE JOINT BAY AREA IS DEPENDENT ON THE SITE AND THE CABLE CONTRACTOR DESIGN, IT COULD BE BETWEEN 3m TO 15m IN LENGTH.
7. THE 20m LENGTH OF THE JOINT BAY CENTRE IS DEPENDENT ON THE CABLE CONTRACTOR DESIGN AND COULD BE BETWEEN 7m TO 20m IN LENGTH.
8. ROUTING OF THE FIBRE OPTIC CABLES WITHIN THE JOINT BAY IS NOT SHOWN AND IS DEPENDENT ON THE CABLE CONTRACTOR DESIGN.
9. AN ABOVE GROUND LINK PILLAR CAN BE USED INSTEAD OF A GROUND BOUNDARY PILLAR. DIMENSIONS OF THIS WILL BE 1.3m IN HEIGHT AND A WIDTH OF 0.5m.
10. LOCATION OF LIN BOXES IS DEPENDENT ON DETAILED DESIGN, THEY MAY BE LOCATED IN BETWEEN THE TWO JOINT BAYS, RATHER THAN ON THE OUTSIDE.



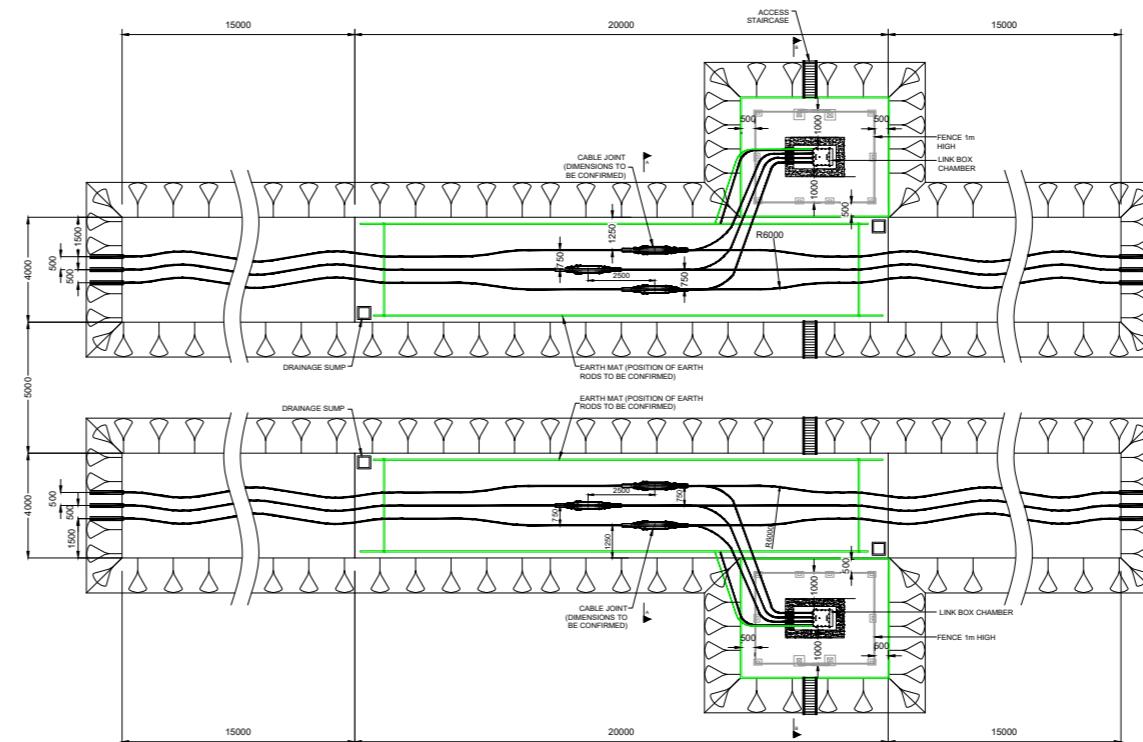
HVAC JOINT BAY DURING CONSTRUCTION CROSS SECTION A-A
SCALE: 1:50

SCALE: 1

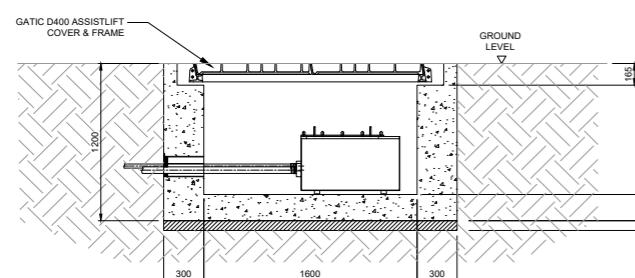


HVAC JOINT BAY POST CONSTRUCTION CROSS SECTION A
SCALE: 1:50

SC



HVAC JOINT BAY PLAN VIEW



CROSS SECTION OF HVAC LINK BOX CHAMBER
SCALE: 1:20

SECTION OF HVAC
SCALE: 1:



HVAC JOINT BAY ELEVATION VIEW
Scale 1:100

FOR STATUTORY CONSULTATION PURPOSES ONLY

**TYPICAL 400kV HVAC JOINT BAY ARRANGEMENT
FOR STATUTORY CONSULTATION
SHEET 01 OF 01**

Project Name

LightLink

Application Number

EN020033

LLK1-BRH-DWG-CVD-000165

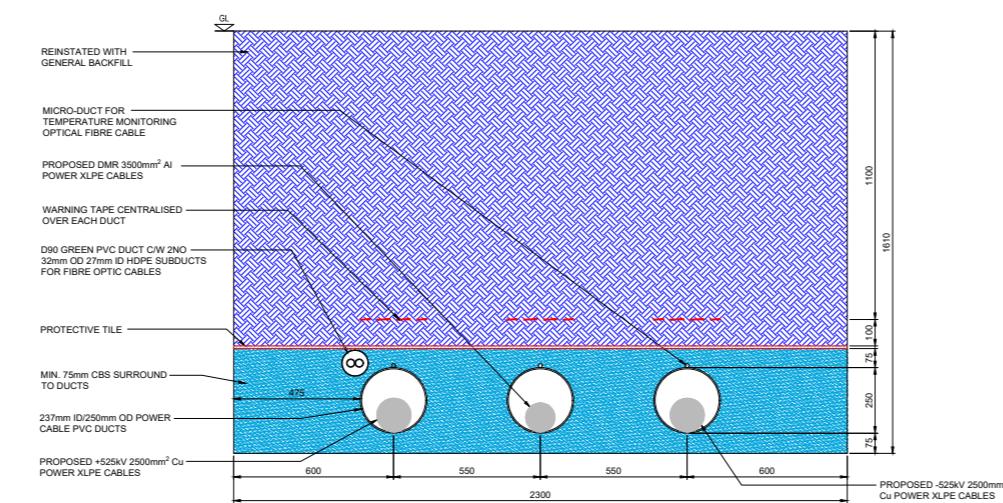
Scale Sheet Size Sheet Issue
AS SHOWN A0 01 OF 01 P02

NATIONAL GRID LIONLINK LIMITED (NGLL)
HVDC DUCTED CROSS SECTION AND CONSTRUCTION AREA FOR STATUTORY CONSULTATION
SHEET 01 OF 01

NOTES:
 1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
 2. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOL 1 OF THE CIVIL DESIGN & CONSTRUCTION MANUAL.
 3. THIS DRAWING IS SHOWN FOR INDICATIVE PURPOSES ONLY AND IS SUBJECT TO CHANGE AS THE PROJECT PROGRESSES THROUGH DETAILED DESIGN. THE CONSTRUCTION WIDTHS MAY REDUCE IF CONDITIONS ALLOW.
 4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 5. TRENCHES SHALL BE BACKFILLED AS SOON AS POSSIBLE. CABLES AND EXCAVATION DUSTS AND SOILS DURING CONSTRUCTION BACKFILL WILL CONSIST OF THE NATIVE SOIL, AS LONG AS IT IS THERMALLY AND MECHANICALLY SUITABLE. THE SUBSOIL AND TOPSOIL WILL BE STORED ADJACENT TO THE TRENCH FOR LATER REINSTATEMENT. WHERE NOT PRACTICAL TO DO SO.
 6. IN AREAS WITH LIMITED WIDTH FOR CABLE CONSTRUCTION, A NARROW CORRIDOR SHALL BE USED TO RESTRICT CONSTRUCTION WIDTH.
 7. DEPTH TO THE TOP OF THE CABLE COVER MAY VARY DEPENDING ON GROUND LEVELS AND TERRAIN THE CABLE WILL BE INSTALLED IN.

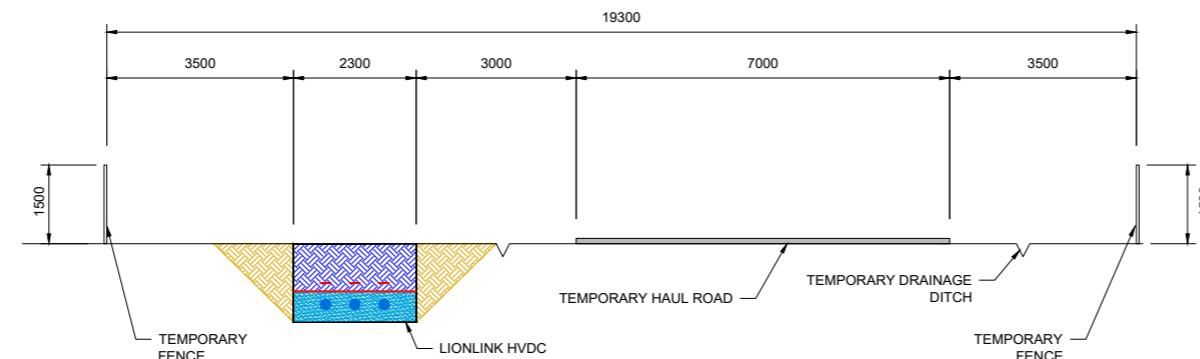
LEGEND:

- WELL COMPACTED THERMALLY SUITABLE BACKFILL
- WELL COMPACTED THERMALLY SUITABLE BACKFILL (SPILLED EXCAVATION)
- CEMENT - BOUND SAND CABLE SURROUND
- CABLE PROTECTION TILES
- CABLE WARNING TAPE
- TOPSOIL STOCKPILE
- SUBSOIL STOCKPILE
- TEMPORARY HAUL ROAD / FOOTWAY



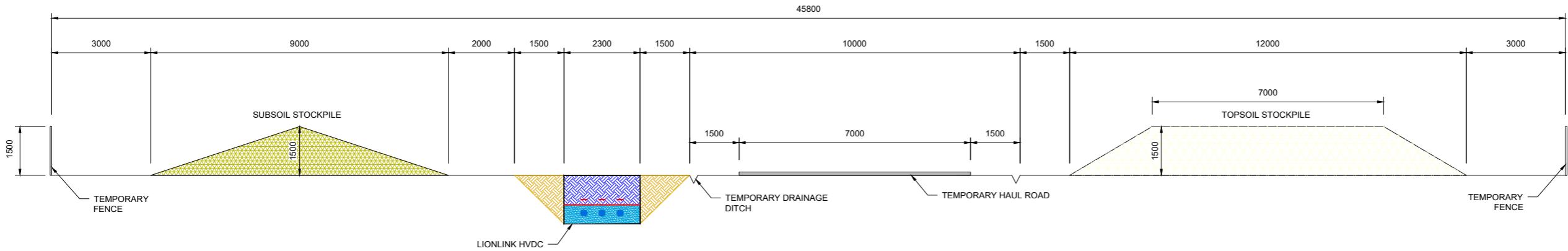
TYPICAL HVDC TRENCH DETAIL FOR CABLES
IN UNMADE GROUND OR AGRICULTURAL LAND

SCALE: 1:10



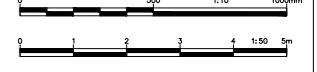
LIONLINK HVDC NARROW CONSTRUCTION CORRIDOR
CROSS SECTION

SCALE: 1:50



LIONLINK HVDC CONSTRUCTION CORRIDOR
CROSS SECTION

SCALE: 1:50



FOR STATUTORY CONSULTATION PURPOSES ONLY

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|---|------------|----------------------------|----|----|----|
| P02 | 22/07/2025 | FOR STATUTORY CONSULTATION | TG | RU | ND |
| P01 | 02/08/2025 | FIRST ISSUE | RC | DS | RU |
| Issue Date: Drawn: Checked: Approved: | | | | | |
| Title: NATIONAL GRID LIONLINK LIMITED (NGLL) HVDC DUCTED CROSS SECTION AND CONSTRUCTION AREA FOR STATUTORY CONSULTATION SHEET 01 OF 01 | | | | | |

Project Name
LIONLINK

Application Number
EN020033

National Grid LionLink Limited Drawing Reference
LLK1-BRH-HWG-CVD-000167

Scale
AS SHOWN A0 Sheet Size Sheet 01 OF 01 Issue P02

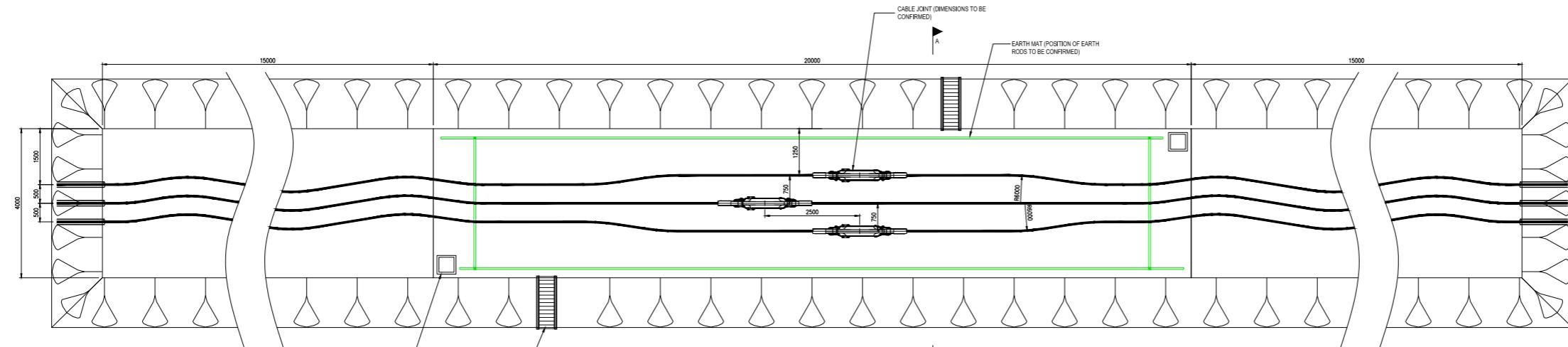
NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL 525kV HVDC JOINT BAY ARRANGEMENT FOR STATUTORY CONSULTATION
SHEET 01 OF 01

NOTES:

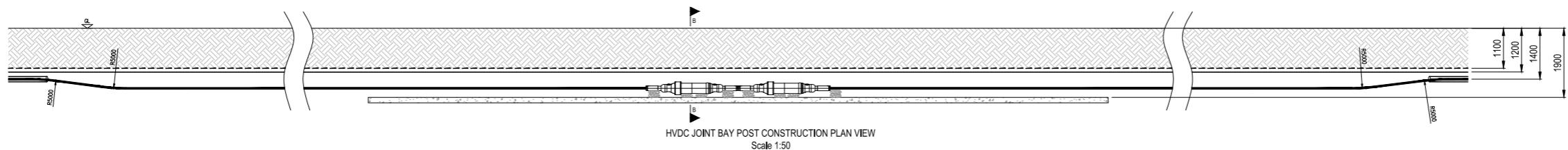
1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
2. FOR FIBRE VOLUME 1 REPORT ON CABLES, PLEASE REFER TO VOLUME 1 CHAPTER SECTION 2.2 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
3. THIS DRAWING IS INDICATIVE ONLY SUBJECT TO CHANGE.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
5. MARKER POST / PLATE ARE TO BE AGREED WITH THE LAND OWNERS.
6. THE 15M LENGTH OF OPEN TRENCH FOR SNAFFLING EITHER SIDE OF THE JOINT BAY AREA IS DEPENDANT ON THE SITE AND THE CABLE CONTRACTOR DESIGN AND COULD BE BETWEEN 3M TO 15M IN LENGTH.
7. THE 20M LENGTH OF THE JOINT BAY CENTRE IS DEPENDANT ON THE CABLE CONTRACTOR DESIGN AND COULD BE BETWEEN 10M TO 20M IN LENGTH.
8. ROUTING OF THE FIBRE OPTIC CABLES WITHIN THE JOINT BAY IS NOT SHOWN AND IS DEPENDANT ON THE CABLE CONTRACTOR DESIGN.
9. FIBRE OPTIC CHAMBER BOX IS NOT SHOWN WITHIN JOINT BAY PLAN VIEW. LOCATION OF THE CHAMBER WILL BE IN CLOSE PROXIMITY TO THE JOINT BAY. THE LOCATION TO BE CONFIRMED AND WILL BE DEPENDANT TO EACH JOINT BAY ALONG THE ROUTE.



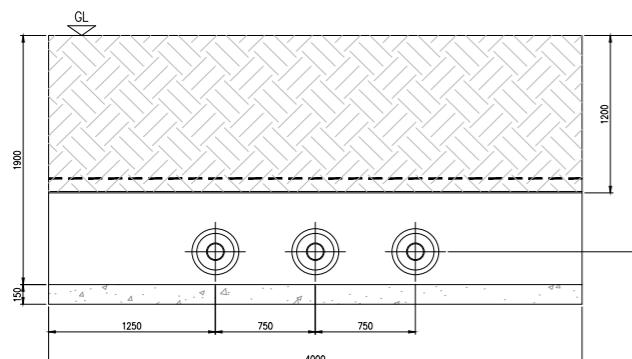
HVDC JOINT BAY DURING CONSTRUCTION PROFILE VIEW - SECTION A-A
Scale 1:20



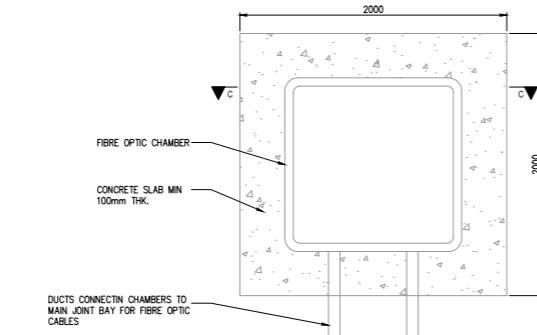
HVDC JOINT BAY CONSTRUCTION DURING CONSTRUCTION PLAN VIEW
Scale 1:50



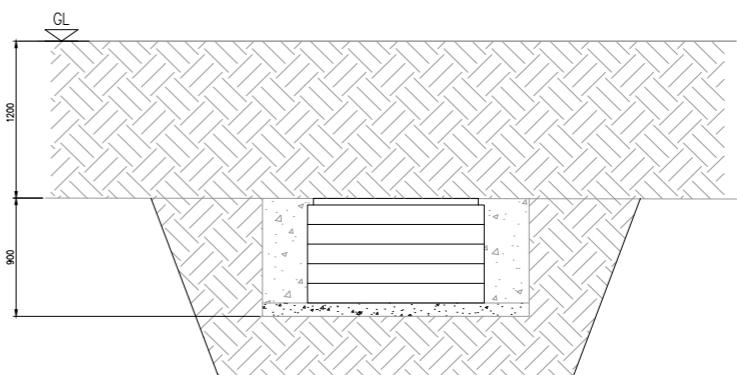
HVDC JOINT BAY POST CONSTRUCTION PLAN VIEW
Scale 1:50



HVDC JOINT BAY POST CONSTRUCTION PROFILE VIEW - SECTION B-B
Scale 1:20



Typical Fibre Optic Chamber Box Plan
Scale 1:20



Typical Fibre Optic Chamber Box Cross Section C-C
Scale 1:20

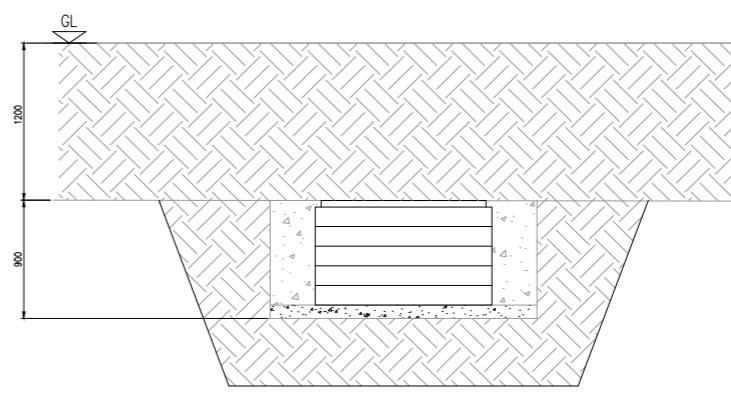
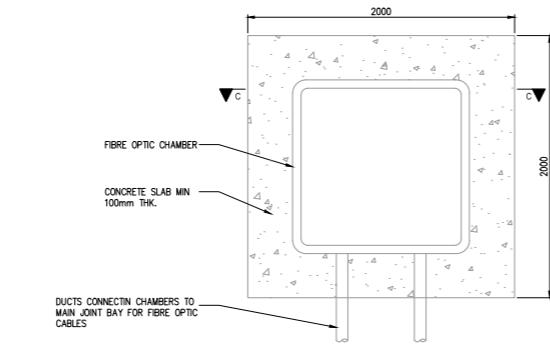
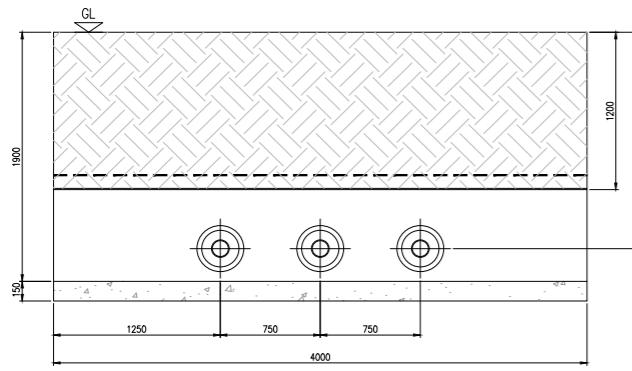
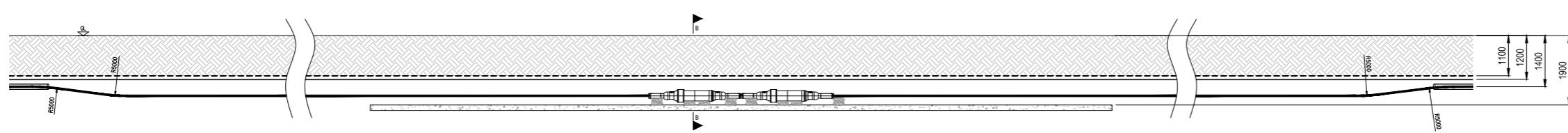
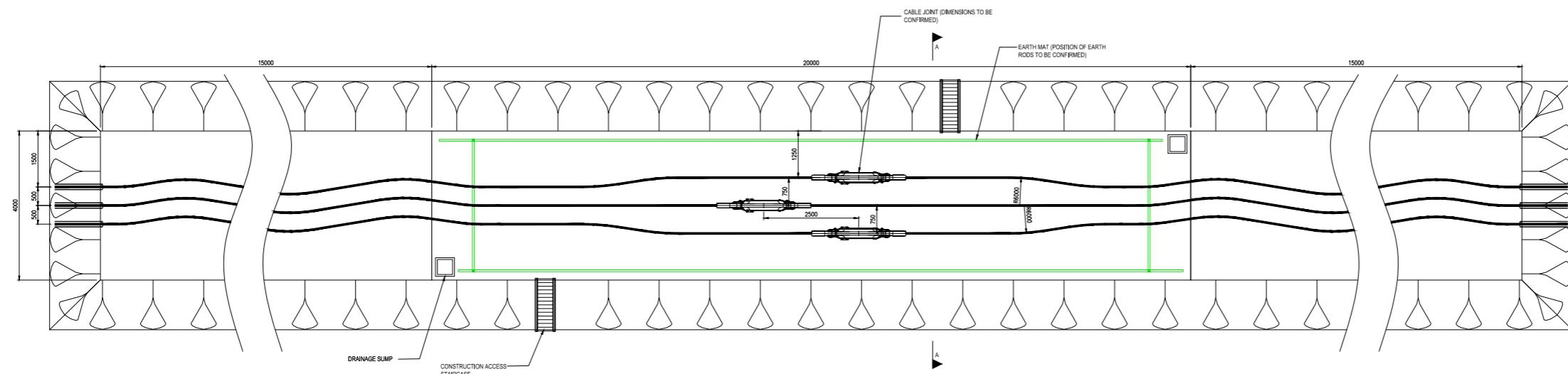
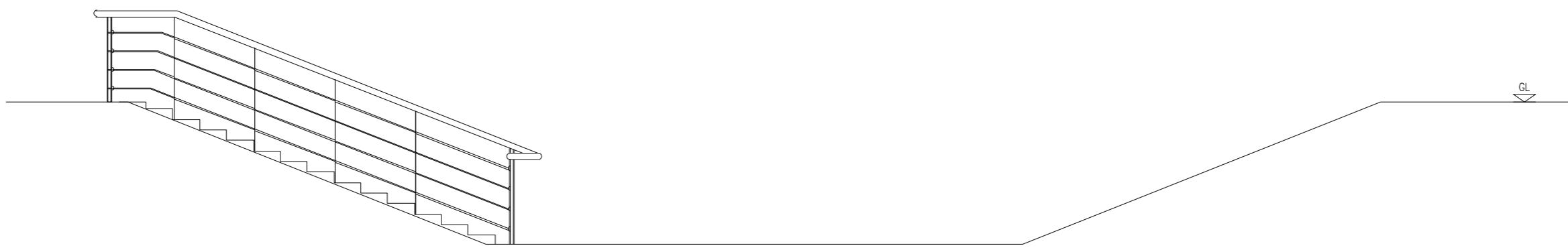
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| FOR STATUTORY CONSULTATION PURPOSES ONLY | | | | | | |
| Project Name | LIONLINK | | | | | |
| Application Number | EN020033 | | | | | |
| National Grid LionLink Limited Drawing Reference | | | | | | |
| LLK1-BRH-HWG-CVD-000168 | | | | | | |
| Scale | AS SHOWN | Sheet Size | A0 | Sheet | 01 OF 01 | Issue |
| | P02 | 22072025 | FOR STATUTORY CONSULTATION | TG | RU | ND |
| | P01 | 02062025 | FOR ASSURANCE | RC | DS | RU |
| Issue | D | 02062025 | Drawn | Edited | Checked | Approved |
| Title: NATIONAL GRID LIONLINK LIMITED (NGLL) TYPICAL 525kV HVDC JOINT BAY ARRANGEMENT SHEET 01 OF 01 | | | | | | |

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| COPYRIGHT: NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF NATIONAL GRID LIONLINK LIMITED | | | | | | |
| Scale | AS SHOWN | Sheet Size | A0 | Sheet | 01 OF 01 | Issue |
| | P02 | | | | | |

NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL 525kV HVDC TRANSITION JOINT BAY ARRANGEMENT FOR STATUTORY CONSULTATION
SHEET 01 OF 01

NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
2. FOR PAPER SIZES OTHER THAN A0, THE DRAWING SHOULD BE REFERRED TO VOLUME 1 CHAPTER 1 SECTION 2.1 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
3. THIS DRAWING IS INDICATIVE ONLY SUBJECT TO CHANGE.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
5. MARKER POST / PLATE ARE TO BE AGREED WITH THE LAND OWNERS.
6. FIBRE OPTIC CABLE REPEATER EQUIPMENT MAY BE REQUIRED, IF NOT SHOWN IN THIS DRAWING AS IT COULD BE LOCATED AWAY FROM THE TRANSITION JOINT BAY LOCATION.
7. AN ARMOUR ANCHORING DEVICE WILL BE INCLUDED FOR CLAMPING THE CABLES OF EACH SUBMARINE CABLE AND WHICH WILL BE ATTACHED TO THE CONCRETE FLOOR OF THE TRANSITION JOINT BAY.
8. THE 15M LENGTH OF OPEN TRENCH FOR SNAKING EITHER SIDE OF THE JOINT BAY AREA IS DEPENDENT ON THE SITE AND THE CABLE CONTRACTOR DESIGN AND COULD BE BETWEEN 3M TO 15M IN LENGTH.
9. THE 20M LENGTH OF THE JOINT BAY CENTRE IS DEPENDENT ON THE CABLE CONTRACTOR DESIGN AND COULD BE BETWEEN 10M TO 20M IN LENGTH.
10. ROUTING OF THE FIBRE OPTIC CABLES WITHIN THE JOINT BAY IS NOT SHOWN AND IS DEPENDANT ON THE CABLE CONTRACTOR DESIGN.
11. PERMANENT CABLE CHAMBER BOX IS NOT SHOWN WITHIN JOINT BAY PLAN VIEW, LOCATION OF THE CHAMBER WILL BE IN CLOSE PROXIMITY TO THE JOINT BAY, THE IS LOCATION TO BE CONFIRMED AND WILL BE DEPENDANT TO EACH JOINT BAY ALONG THE ROUTE.



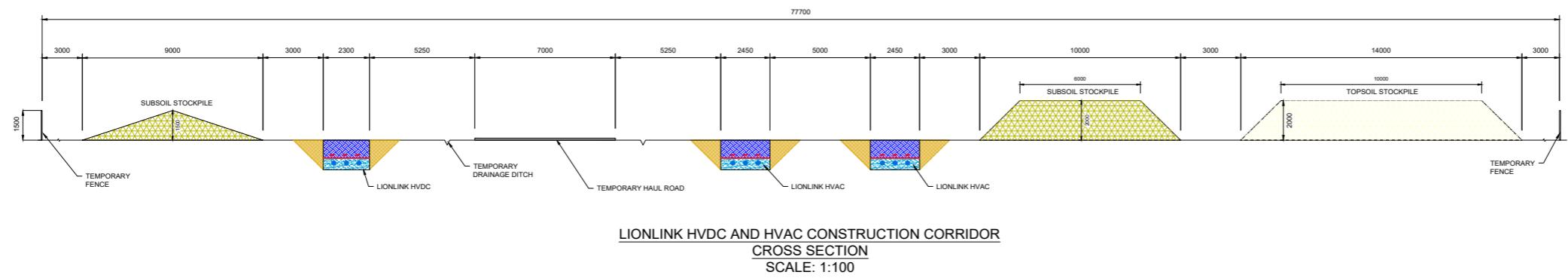
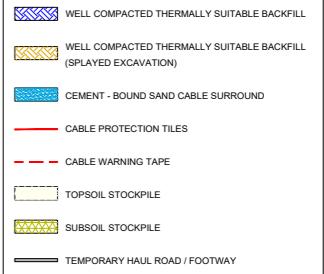
FOR STATUTORY CONSULTATION PURPOSES ONLY

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| P02 22072025 FOR STATUTORY CONSULTATION TG RU ND | | | | | | |
| P01 02062025 FOR ASSURANCE RC DS RU | | | | | | |
| Issue D Drawn C Checked Approved | | | | | | |
| Title NATIONAL GRID LIONLINK LIMITED (NGLL) TYPICAL 525kV HVDC TRANSITION JOINT BAY ARRANGEMENT FOR STATUTORY CONSULTATION SHEET 01 OF 01 | | | | | | |
| Project Name LIONLINK | | | | | | |
| Application Number EN020033 | | | | | | |
| National Grid LionLink Limited Drawing Reference LLK1-BRH-LWG-CVD-000169 | | | | | | |
| Scale AS SHOWN | Sheet Size A0 | Sheet 01 OF 01 | Issue P02 | | | |

NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL HVAC AND HVDC COMBINED CONSTRUCTION AREA FOR LIONLINK FOR STATUTORY CONSULTATION
SHEET 01 OF 01

NOTES:
 1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALLED AGAINST.
 2. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
 3. THIS DRAWING IS SHOWN FOR INDICATIVE PURPOSES ONLY AND IS SUBJECT TO CHANGE AS THE PROJECT PROGRESSES THROUGH DETAILED DESIGN. THE CONSTRUCTION WIDTHS MAY REDUCE IF CONDITIONS ALLOW.
 4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 5. THE BACKFILL SHOULD LEAD TO A LEVEL WHICH IS PRACTICABLE AFTER EXCAVATION TO MINIMISE STOCKPILE DURATION. BACKFILL WILL CONSIST OF THE NATIVE SOIL, AS LONG AS IT IS THERMALLY AND MECHANICALLY SUITABLE.

LEGEND:



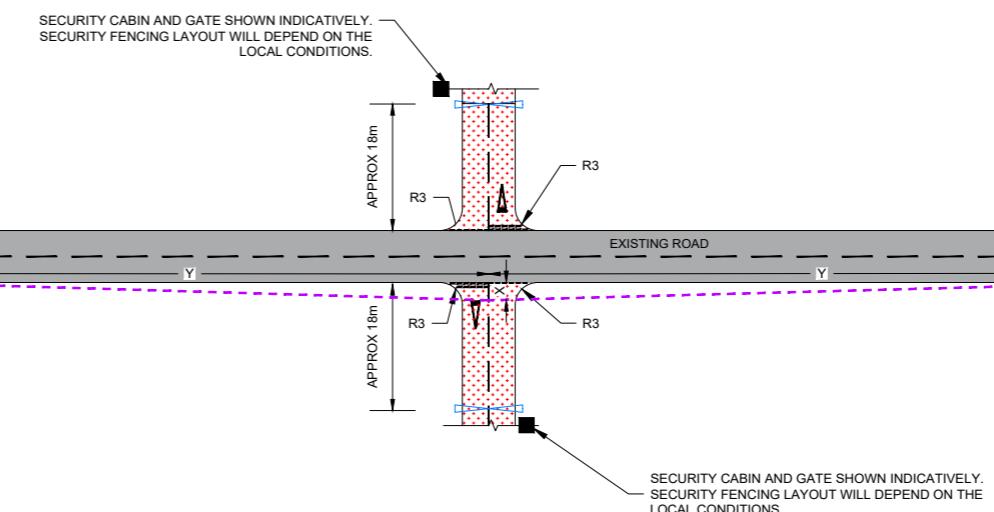
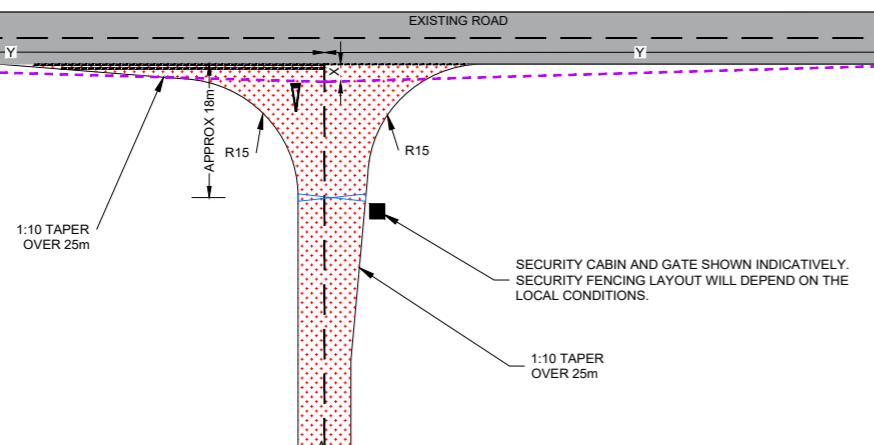
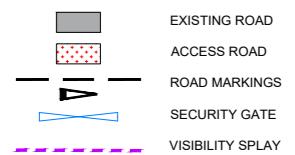
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| FOR STATUTORY CONSULTATION PURPOSES ONLY | | | | | | | | | |
| Project Name | LIONLINK | | | | | | | | |
| Application Number | EN020033 | | | | | | | | |
| National Grid LionLink Limited Drawing Reference | | | | | | | | | |
| LLK1-BRH-DWG-CVD-000170 | | | | | | | | | |
| Scale | AS SHOWN | Sheet Size | A0 | Sheet | 01 OF 01 | Issue | P02 | | |

**Section Number
02-04**

**Category Name
Bellmouths , Compounds & Tower Types**

NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL BELLMOUTH ARRANGEMENT DETAILS
SHEET 01 OF 01

LEGEND:



| VISIBILITY REQUIREMENTS FROM MINOR ROAD | | | | |
|---|---------------------|----------------|---------------------|----------------|
| DESIGN SPEED FOR MAJOR ROAD(kph) | A AND B CLASS ROADS | | C AND U CLASS ROADS | |
| | X DISTANCE (m) | Y DISTANCE (m) | X DISTANCE (m) | Y DISTANCE (m) |
| 50 | 4.5 | 70 | 2.4 | 50 |
| 60 | | 90 | | 70 |
| 70 | | 120 | | 120 |
| 85 | | 160 | | 160 |
| 100 | | 215 | | 215 |
| 120 | | 295 | | 295 |

| DESIGN SPEED FOR MAJOR ROAD(kph) | A AND B CLASS ROADS | | C AND U CLASS ROADS | |
|----------------------------------|---------------------|----------------|---------------------|----------------|
| | X DISTANCE (m) | Y DISTANCE (m) | X DISTANCE (m) | Y DISTANCE (m) |
| 50 | 4.5 | 70 | 2.4 | 50 |
| 60 | | 90 | | 70 |
| 70 | | 120 | | 120 |
| 85 | | 160 | | 160 |
| 100 | | 215 | | 215 |
| 120 | | 295 | | 295 |

TYPICAL HGV ACCESS BELLMOUTH
SCALE 1:500

TYPICAL CROSSING BELLMOUTH
SCALE 1:500

Notes:

- This plan 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.
- All dimensions are in metres unless stated otherwise.
- These plans show Typical Bellmouth Arrangement Details, individuals Bellmouth layouts will vary depending on the location and local conditions.
- Visibility requirement for the individual Bellmouth will vary depending on the local Design speed.
- Visibility splay to be kept clear of all obstructions including vegetation.
- Further information is provided in our 'Guide to interacting with our consultation plans' document.
- For further information on construction please refer to Volume 1 Chapter 2 Section 2.5 of the Preliminary Environmental Information Report.

FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|------------|----------------------------|-------|---------|----------|
| P02 | 16/07/2025 | For Statutory Consultation | RR | RC | AA |
| P01 | 23/05/2025 | First Issue | RR | RC | AA |
| Issue | Date | Remarks | Drawn | Checked | Approved |

Title
NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL BELLMOUTH ARRANGEMENT DETAILS
FOR STATUTORY CONSULTATION

Project Name
LIONLINK

Application Number
EN020033

National Grid LionLink Limited Drawing Reference
LLK1-BRH-DWG-CVD-000155

Scale
AS SHOWN

Sheet Size
A1

Sheet
01 OF 01

Issue
P02

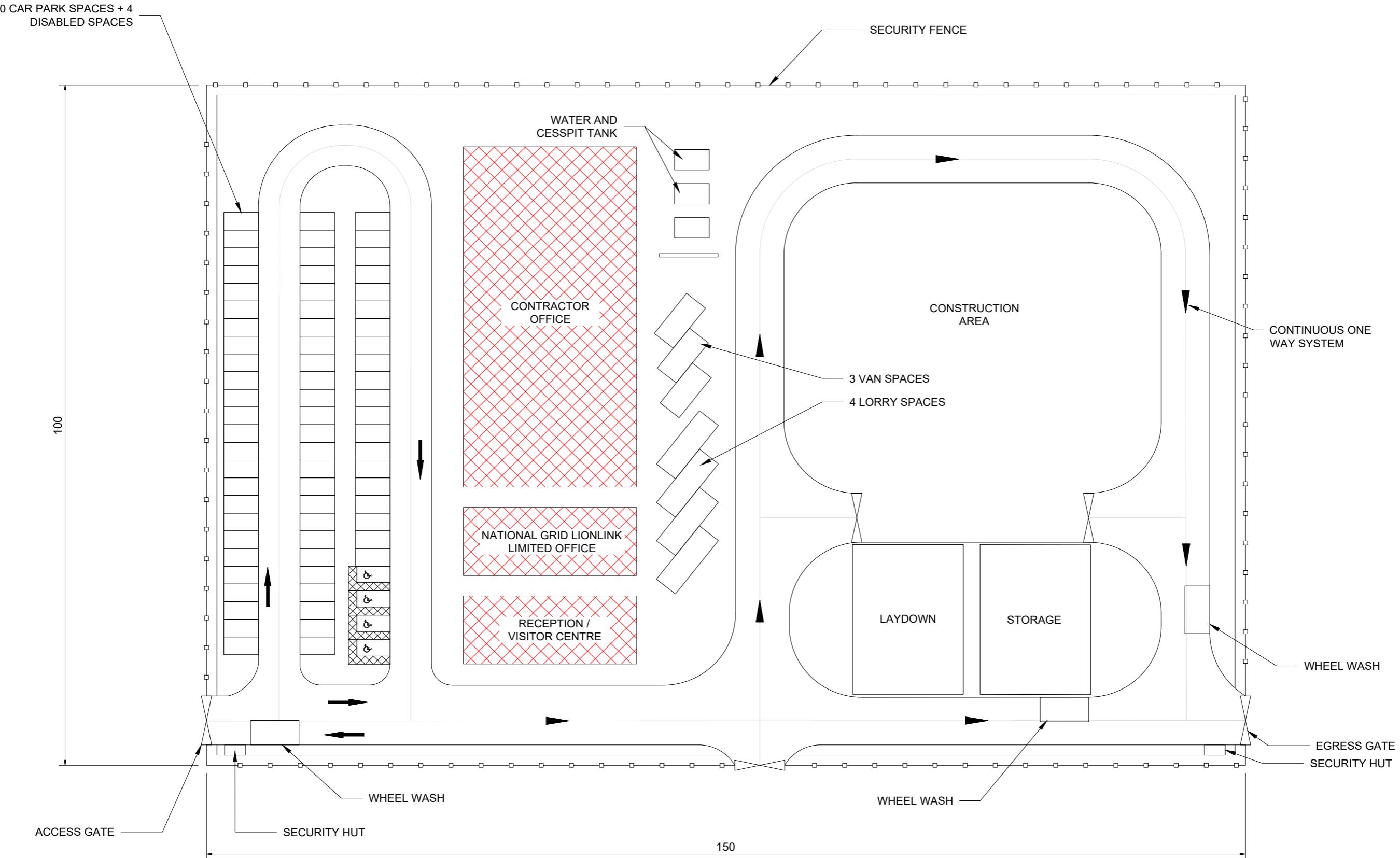
NATIONAL GRID LIONLINK LIMITED (NGLL)
 TYPICAL KILN LANE SUBSTATION WORKS
 CONSTRUCTION COMPOUND FOR STATUTORY CONSULTATION
 SHEET 01 OF 01

NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
2. THESE PLANS SHOW THE TYPICAL LAYOUT FOR A CONSTRUCTION COMPOUND. ADDITIONAL INFORMATION IS PROVIDED IN OUR GUIDE TO INTERACTING WITH OUR CONSULTATION PLANS DOCUMENT.
3. FOR FURTHER INFORMATION ON CONSULTATION PLEASE REFER TO THE CONSULTATION SECTION 2A OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
4. PARKING BAY DIMENSIONS: STANDARD - 2.6M X 5.0M.
 DISABLED - 3.6M X 6.0M.
5. ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED.

LEGEND:

- TEMPORARY BUILDING
- SECURITY FENCE
- GATE



FOR STATUTORY CONSULTATION PURPOSES ONLY

| Project Name | LIONLINK | | |
|--|-------------------------|------------|----|
| Application Number | EN020033 | | |
| National Grid LionLink Limited Drawing Reference | LLK1-BRH-DWG-CVD-000156 | | |
| Scale | 1:200 | Sheet Size | A0 |

| Sheet | Sheet | Issue |
|----------|-------|------------|
| 01 OF 01 | P03 | 27.08.2025 |

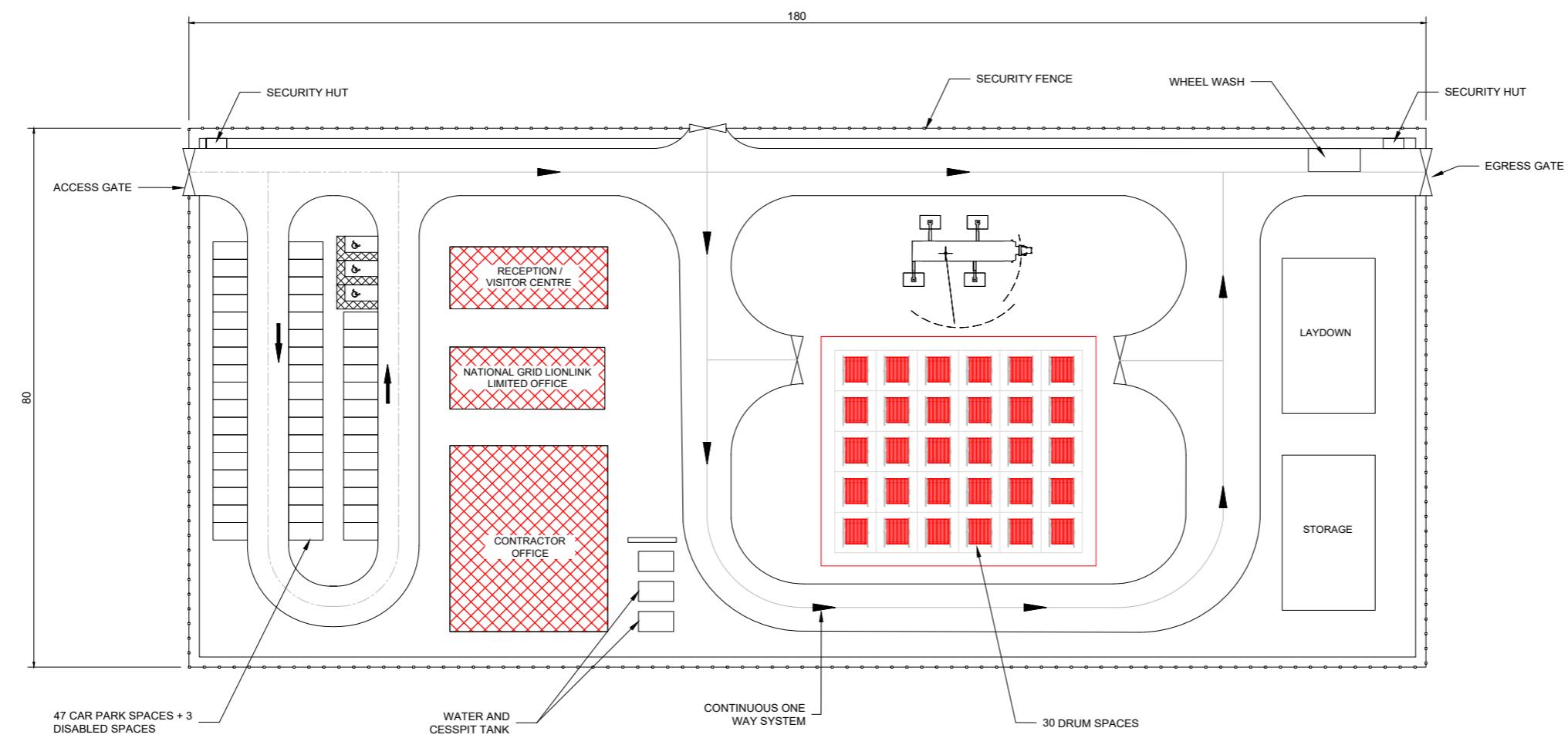
NATIONAL GRID LIONLINK LIMITED (NGLL)
 TYPICAL PRIMARY CABLE CONSTRUCTION COMPOUND
 FOR STATUTORY CONSULTATION
 SHEET 01 OF 01

NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALE DRAWINGS.
2. THESE PLANS SHOW THE TYPICAL LAYOUT FOR A CONSTRUCTION COMPOUND. FURTHER INFORMATION IS PROVIDED IN THE DRAWING NOTES AND IN OUR CONSTRUCTION PLANS DOCUMENT.
3. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRE-CONSTRUCTION INFORMATION REPORT.
4. PARKING BAY DIMENSIONS: STANDARD - 2.8M X 5.0M, DISABLED - 3.6M X 6.0M.
5. ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED.

LEGEND:

- TEMPORARY BUILDING
- CABLE DRUM
- MOBILE CRANE
- SECURITY FENCE
- GATE



FOR STATUTORY CONSULTATION PURPOSES ONLY

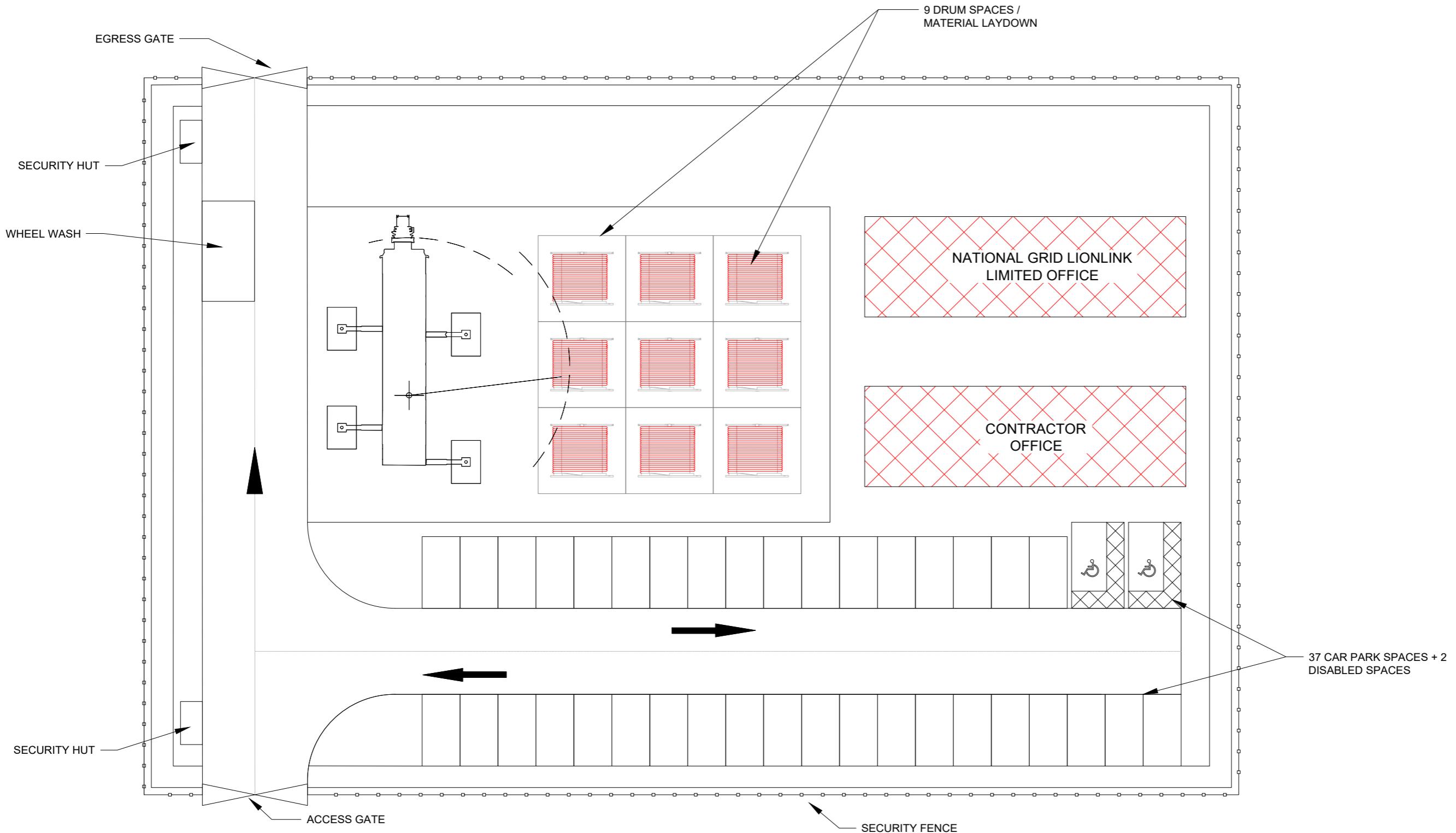
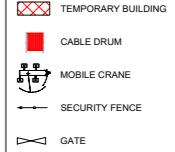
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|---|----------------|----------------------------|------------|---------|----------|
| P02 | 22.07.25 | FOR STATUTORY CONSULTATION | TW | TD | JS |
| P01 | 29.05.25 | FOR REVIEW | FO | TW | TD |
| Issue | Date | Remarks | Drawn | Checked | Approved |
| Title: NATIONAL GRID LIONLINK LIMITED (NGLL) TYPICAL PRIMARY CABLE CONSTRUCTION COMPOUND FOR STATUTORY CONSULTATION | | | | | |
| Project Name: LIONLINK | | | | | |
| Application Number: EN020033 | | | | | |
| National Grid LionLink Limited Drawing Reference: LLK1-BRH-DWG-CVD-000157 | | | | | |
| Scale: 1:200 | Sheet Size: A0 | Sheet: 01 OF 01 | Issue: P02 | | |

NATIONAL GRID LIONLINK LIMITED (NGLL)
 TYPICAL SECONDARY CABLE CONSTRUCTION COMPOUND
 FOR STATUTORY CONSULTATION
 SHEET 01 OF 01

NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALE DRAWINGS.
2. THESE PLANS SHOW THE TYPICAL LAYOUT FOR A CONSTRUCTION COMPOUND. FURTHER INFORMATION IS PROVIDED IN THE DRAWING NOTES AND ON CONTACTING WITH OUR CONSTRUCTION PLANS TEAM.
3. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRE-CONSTRUCTION INFORMATION REPORT.
4. PARKING BAY DIMENSIONS: STANDARD - 2.6M X 5.0M, DISABLED - 3.6M X 6.0M.
5. ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED.

LEGEND:

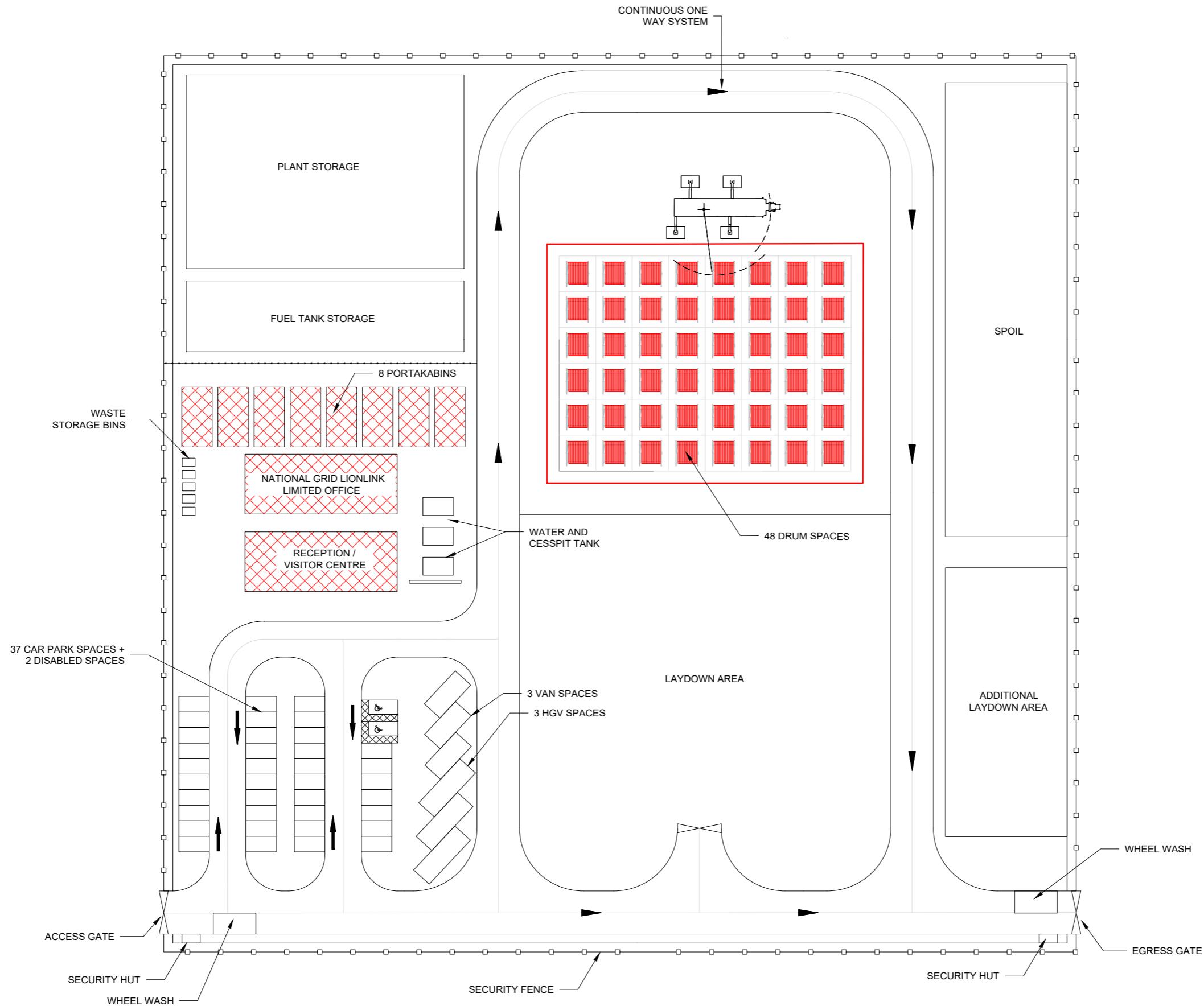


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|---|------------|----------------------------|-------|---------|----------|-------|-----|--|--|
| FOR STATUTORY CONSULTATION PURPOSES ONLY | | | | | | | | | |
| | | | | | | | | | |
| P02 | 22.07.2025 | FOR STATUTORY CONSULTATION | TW | TD | JS | | | | |
| P01 | 29.05.2025 | FOR REVIEW | FO | TW | TD | | | | |
| Issue | Date | Remarks | Drawn | Checked | Approved | | | | |
| Title: NATIONAL GRID LIONLINK LIMITED (NGLL) TYPICAL SECONDARY CABLE CONSTRUCTION COMPOUND FOR STATUTORY CONSULTATION | | | | | | | | | |
| Project Name: LIONLINK | | | | | | | | | |
| Application Number: EN020033 | | | | | | | | | |
| National Grid LionLink Limited Drawing Reference: LLK1-BRH-DWG-CVD-000158 | | | | | | | | | |
| Scale | 1:100 | Sheet Size | A0 | Sheet | 2 | Issue | P02 | | |

NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL OHL AND CONSTRUCTION WORKS
CONSTRUCTION COMPOUND FOR STATUTORY CONSULTATION
SHEET 01 OF 01

NOTES:
 1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
 2. THESE PLANS SHOW THE TYPICAL LAYOUT FOR A CONSTRUCTION COMPOUND. THE LAYOUT AND INFORMATION PROVIDED IN OUR GUIDE TO INTERACTING WITH OUR CONSULTATION PLANS DOCUMENT.
 3. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO APPENDIX 1 CHAPTER 2 SECTION 2.4 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
 4. PARKING BAY DIMENSIONS: STANDARD - 2.6M X 5.0M.
 5. ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED.

LEGEND:
 TEMPORARY BUILDING
 CABLE DRUM
 MOBILE CRANE
 SECURITY FENCE
 GATE



FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|----------|----------------------------|-------|---------|----------|
| P02 | 22.07.25 | FOR STATUTORY CONSULTATION | TW | TD | JS |
| P01 | 30.05.25 | FOR REVIEW | TG | TW | TD |
| Issue | Date | Remarks | Drawn | Checked | Approved |

Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL OHL AND CONSTRUCTION
WORKS CONSTRUCTION COMPOUND
FOR STATUTORY CONSULTATION

Project Name: **LIONLINK**

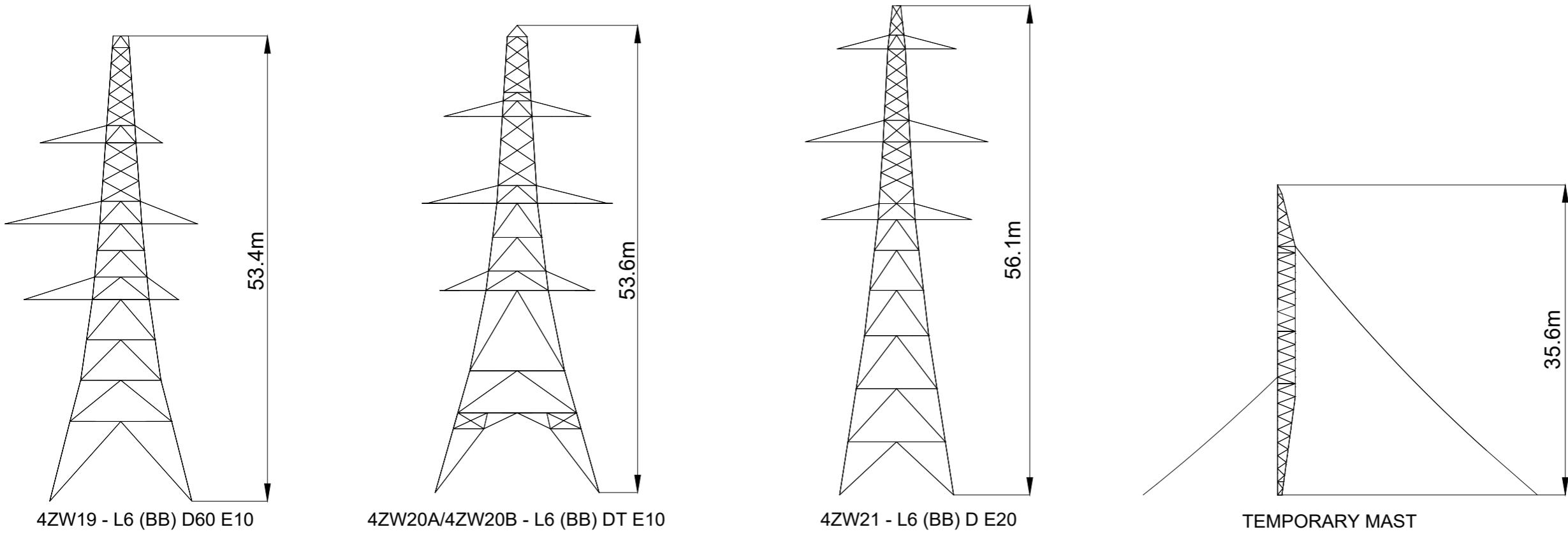
Application Number: EN020033

National Grid LionLink Limited Drawing Reference: LLK1-BRH-DWG-CVD-000171

Scale: 1:250 Sheet Size: A0 Sheet: 01 OF 01 Issue: P02

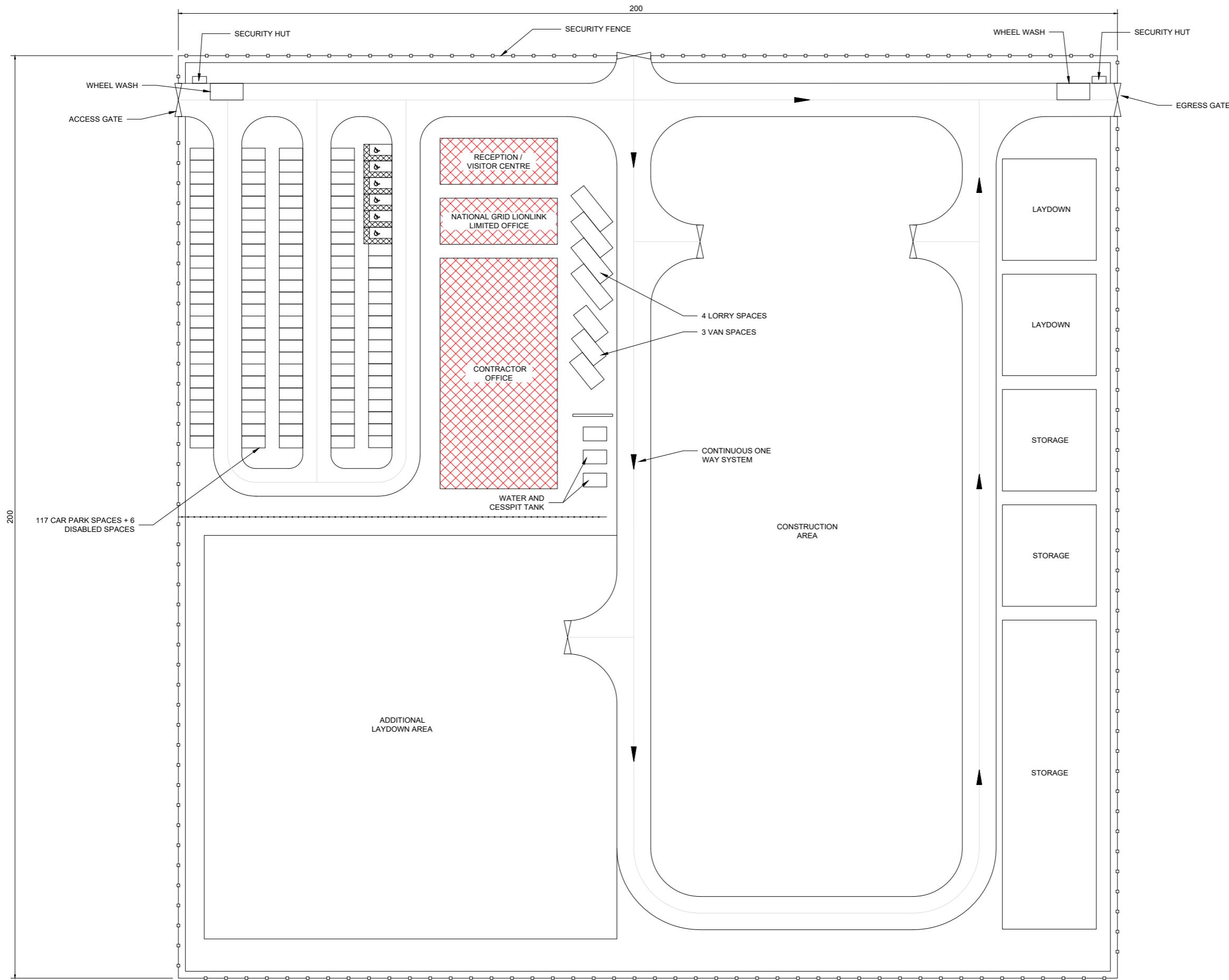
NATIONAL GRID LIONLINK LIMITED (NGLL)
TYPICAL OVERHEAD LINE TOWER DETAIL FOR STATUTORY CONSULTATION
SHEET 01 OF 01

NOTES:
 1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
 2. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO CHAPTER 2, SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
 3. THESE PLANS SHOW POTENTIAL TOWER OUTLINES. DUE TO THE NEED FOR FUTURE FLEXIBILITY, NATIONAL GRID WILL BE APPLYING FOTC ORDER LIMITS AND LIMITS OF DEVIATION WITHIN ITS DEVELOPMENT CONSENT ORDER. WHETHER ANY OF THE TOWER TYPES (OR TOWER TYPES) SHOWN WOULD BE REQUIRED, AND THE TOWER TYPES (OR TOWER TYPES) WOULD LIE, THEREFORE, THE TOWER TYPES AND OUTLINES SHOULD BE TREATED AS INDICATIVE ONLY.
 FURTHER INFORMATION IS PROVIDED IN OUR GUIDE TO INTERACTING WITH OUR CONSULTATION PLANS DOCUMENT.



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| FOR STATUTORY CONSULTATION PURPOSES ONLY | | | | | | | | | |
| | | | | | | | | | |
| <small> P03 0208/2020 THIRD ISSUE CAE DE JH P02 2207/2020 SECOND ISSUE IUC/CAE DE NS P01 0206/2020 FIRST ISSUE CAE DE NS Issue Date Remarks Drawn Checked Approved Title NATIONAL GRID LIONLINK LIMITED (NGLL) ORDER TYPICAL OVERHEAD LINE PYLON DETAILS FOR STATUTORY CONSULTATION SHEET 01 OF 01 Project Name LIONLINK Application Number EN020033 National Grid LionLink Limited Drawing Reference LLK1-BRH-DWG-CVD-000172 Scale NTS Sheet Size A0 Sheet 01 OF 01 Issue P03 </small> | | | | | | | | | |

NATIONAL GRID LIONLINK LIMITED (NGLL)
 TYPICAL CONVERTER STATION CONSTRUCTION COMPOUND
 FOR STATUTORY CONSULTATION
 SHEET 01 OF 01



NOTES:

1. THIS PLAN IS SCALED AT PAPER SIZE A0, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALLED UP.
2. THESE PLANS SHOW THE TYPICAL LAYOUT FOR A CONSTRUCTION COMPOUND. FURTHER INFORMATION IS PROVIDED IN THE DOCUMENTS TO BE PROVIDED WITH OUR CONSTRUCTION PLANS DOCUMENT.
3. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRE-CONSTRUCTION INFORMATION REPORT.
4. PARKING BAY DIMENSIONS: STANDARD - 2.8M X 5.0M, DISABLED - 3.6M X 6.0M.
5. ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED.

LEGEND:



FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-----|----------|----------------------------|----|----|----|
| P03 | 27.08.25 | FOR STATUTORY CONSULTATION | TW | TD | JS |
| P02 | 22.07.25 | FOR STATUTORY CONSULTATION | TW | TD | JS |
| P01 | 29.05.25 | FOR REVIEW | FO | TW | TD |

Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
 TYPICAL CONVERTER STATION
 CONSTRUCTION COMPOUND
 FOR STATUTORY CONSULTATION

Project Name: **LIONLINK**

Application Number: EN020033

National Grid LionLink Limited Drawing Reference: LL1-BRH-DWG-CVD-000173

| | | | |
|--------------|----------------|-----------------|------------|
| Scale: 1:200 | Sheet Size: A0 | Sheet: 01 OF 01 | Issue: P03 |
|--------------|----------------|-----------------|------------|

NATIONAL GRID LIONLINK LIMITED (NGLL)
 ILLUSTRATIVE SECTION OF TYPICAL HORIZONTAL
 DIRECTIONAL DRILLING (HDD) AT THE LANDFALL SITE
 FOR STATUTORY CONSULTATION

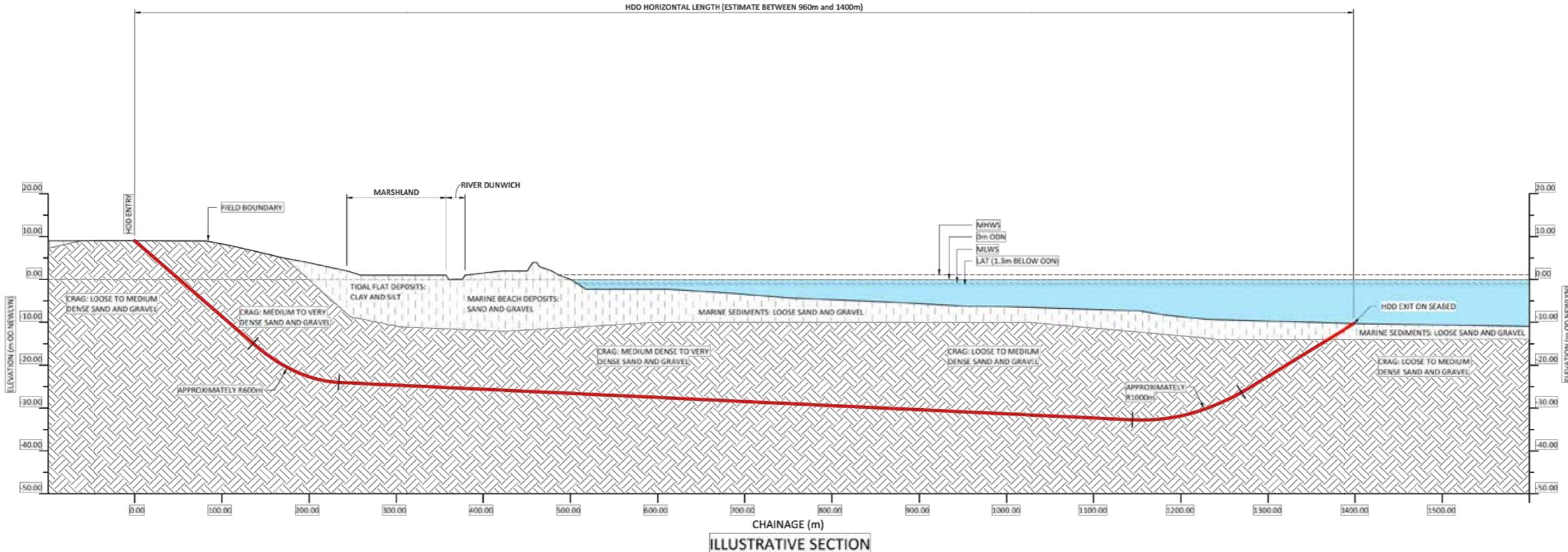
NOTES:
 1. DO NOT SCALE FROM THIS DRAWING
 2. THIS PLAN SHOWS A TYPICAL ILLUSTRATION OF HORIZONTAL DIRECTIONAL DRILLING (HDD) AT A LANDFALL SITE. FURTHER INFORMATION IS PROVIDED IN OUR 'GUIDE TO INVESTIGATING WITH THE CONSULTATION PLANS AND DRAWINGS' DOCUMENT.
 3. FOR FURTHER INFORMATION ON CONSTRUCTION PLEASE REFER TO VOLUME 1 CHAPTER 2 SECTION 2.5 OF THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT.
 4. ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED.

LEGEND:

- ILLUSTRATIVE HDD PROFILE
- CRAG GEOLOGICAL LAYER
- MARINE SEDIMENTS GEOLOGICAL LAYER

ACRONYMS:

- HDD HORIZONTAL DIRECTIONAL DRILLING
- LAT LOWEST ASTRONOMICAL TIDE
- MHWs MEAN HIGH WATER SPRING
- MLWs MEAN LOW WATER SPRING
- ODN ORDNANCE DATUM NEWLYN



FOR STATUTORY CONSULTATION PURPOSES ONLY

P02 31.07.25 FOR STATUTORY CONSULTATION TW MD JS
 P01 04.06.25 FOR REVIEW ARy TW TD
 Issue Date Remarks Drawn Checked Approved
 Title NATIONAL GRID LIONLINK LIMITED (NGLL)
 ILLUSTRATIVE SECTION OF TYPICAL HORIZONTAL
 DIRECTIONAL DRILLING (HDD) AT THE LANDFALL SITE
 FOR STATUTORY CONSULTATION

Project Name **LIONLINK**
 Application Number EN020033
 National Grid LionLink Limited Drawing Reference LLK1-BRH-DWG-CVD-000174
 Scale NTS Sheet Size A0 Sheet 01 OF 01 Issue P02

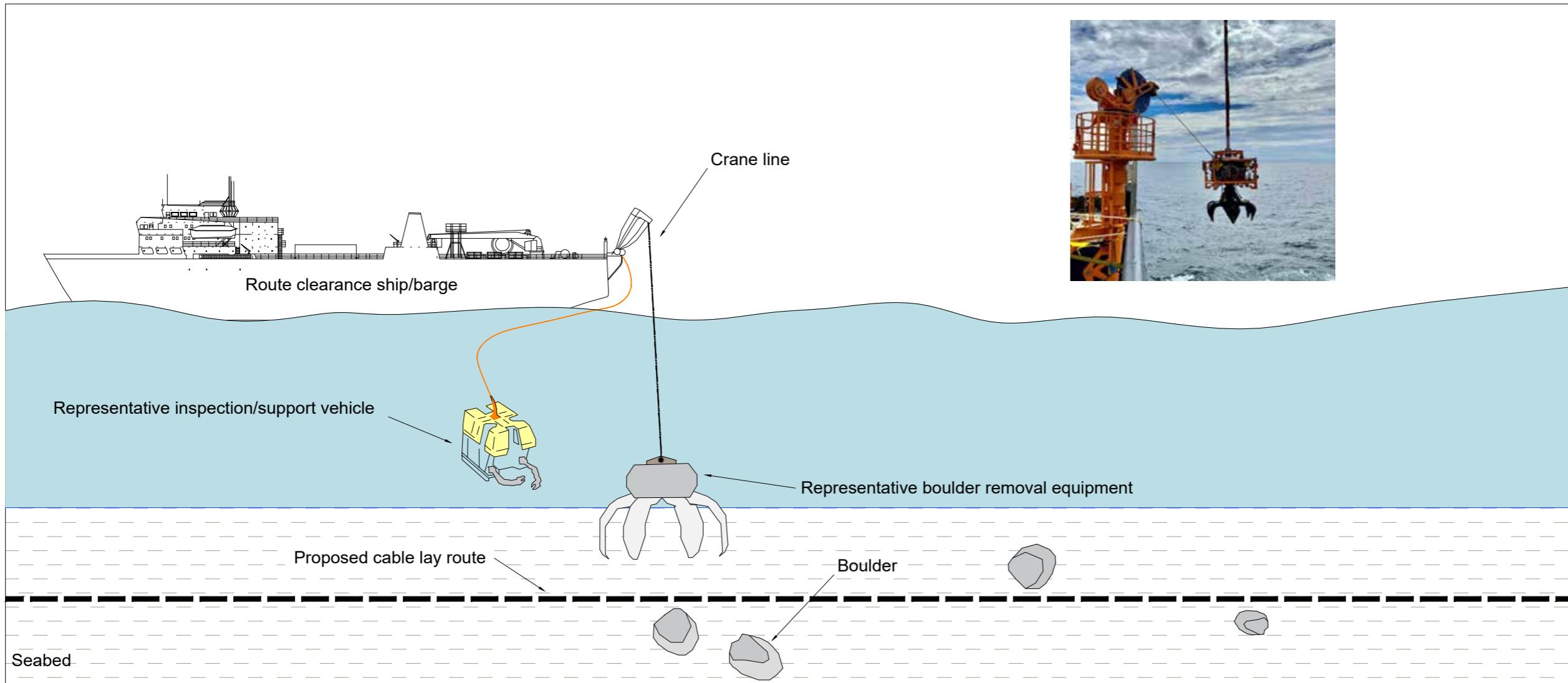
Section Number
03-01

Category Name
Pre-Cable Installation Works

NATIONAL GRID LIONLINK LIMITED (NGLL)
DESIGN AND LAYOUT PLANS - OFFSHORE
ILLUSTRATIVE DRAWING OF BOULDER CLEARANCE
SHEET 01 OF 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. No unauthorised disclosure, storage or copying.
4. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).



Legend:

| | |
|--|-----------------|
| | Proposed Cable |
| | Water |
| | Seabed Sediment |
| | Boulder |

FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|------------|--------------------|-------|-------|----------|
| B | 16/07/2025 | Comments Addressed | AG | CC | CC |
| A | 18/06/2025 | First Issue | AG | LA | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

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|---------------------------------------|--|--|--|--|--|
| Title | | | | | |
| NATIONAL GRID LIONLINK LIMITED (NGLL) | | | | | |
| DESIGN AND LAYOUT PLANS - OFFSHORE | | | | | |
| ILLUSTRATIVE DRAWING OF | | | | | |

SHEET 01 OF 01

Project Name

LIONLINK

Application Number

EN020033

National Grid Drawing Reference

LLK1-INT-DWG-ENG-000001

Scale

NTS

Sheet Size

A1

Sheet

SHEET 01 OF 01

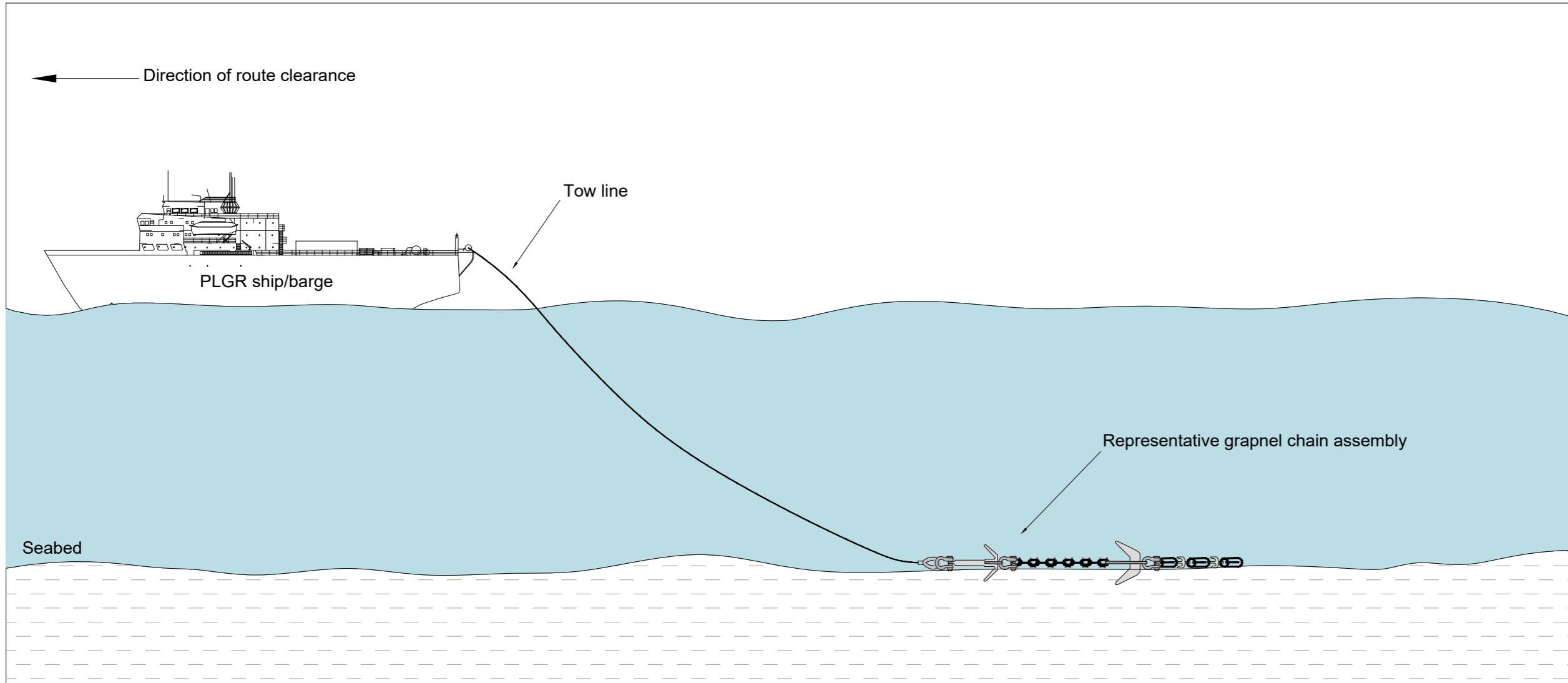
Issue

B

NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF PRE-LAY GRAPNEL RUN
 SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. PLGR = Pre-Lay Grapnel Run.
4. The PLGR is an operation that hooks debris from the seabed using grapnels to clear the seabed prior to installation.
5. No unauthorised disclosure, storage or copying.
6. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).



Legend:

| | |
|--|-----------------|
| | Water |
| | Seabed Sediment |

FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|------------|--------------------|-------|-------|----------|
| B | 21/07/2025 | Comments Addressed | AG | CC | CC |
| A | 20/06/2025 | First Issue | AG | LA | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF
 PRE-LAY GRAPNEL RUN
 FOR STATUTORY CONSULTATION
 SHEET 01 of 01

Project Name: **LIONLINK**

Application Number: EN020033

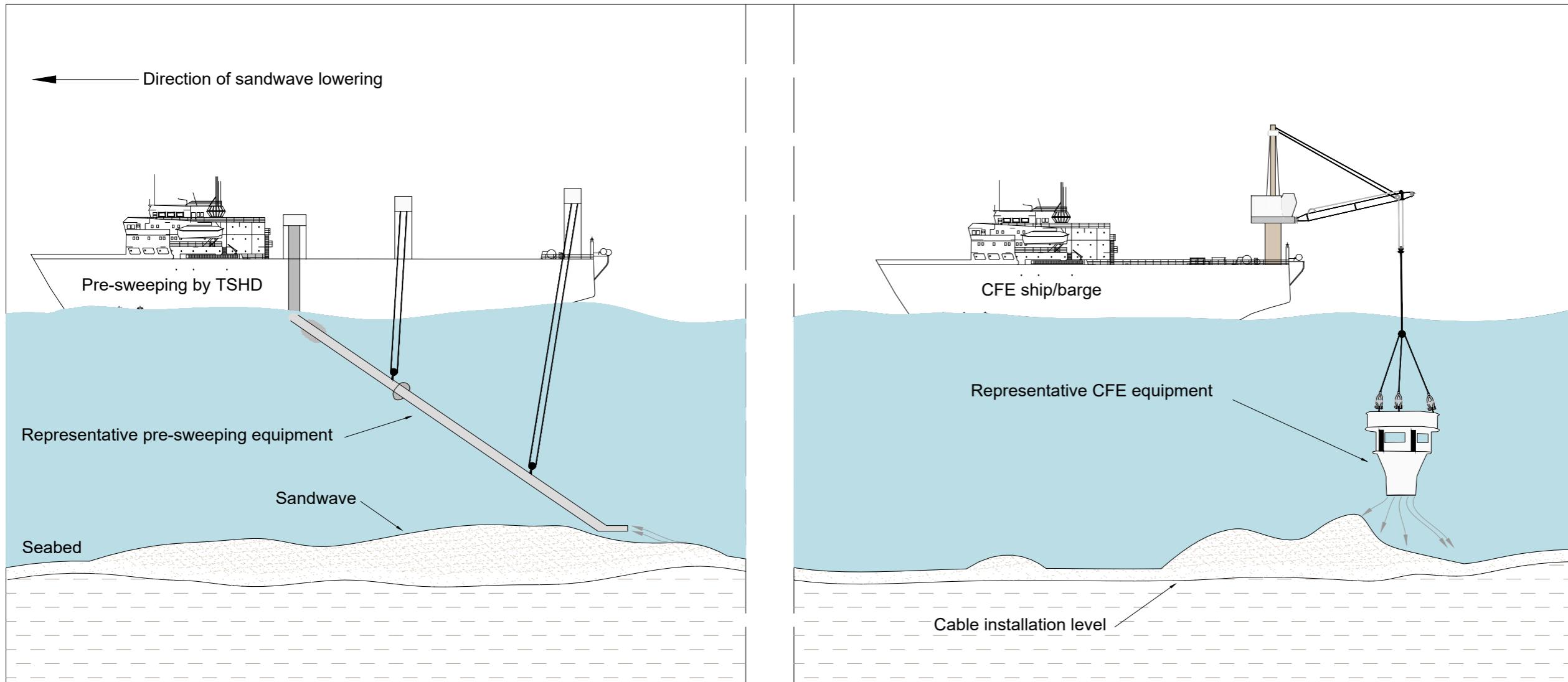
National Grid LionLink Drawing Reference: LLK1-INT-DWG-ENG-000002

Scale: NTS Sheet Size: A1 Sheet: SHEET 01 of 01 Issue: B

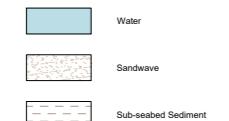
NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF PRE-SWEEPING AND SIDE-CASTING
 SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. CFE = Controlled Flow Excavator.
4. TSHD = Trailing Suction Hopper Dredger.
5. Pre-sweeping = Levelling of the seabed by dredging to remove the peaks of seabed features in order to create a more uniform surface for installation.
6. Side-casting = Relocation of seabed material (e.g. from pre-sweeping) to the side away from the installation corridor without removal from the marine environment.
7. No unauthorised disclosure, storage or copying.
8. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-00004).



Legend:



FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|------------|--------------------|-------|-------|----------|
| B | 16/07/2025 | Comments Addressed | AG | CC | CC |
| A | 27/06/2025 | First Issue | AG | LA | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

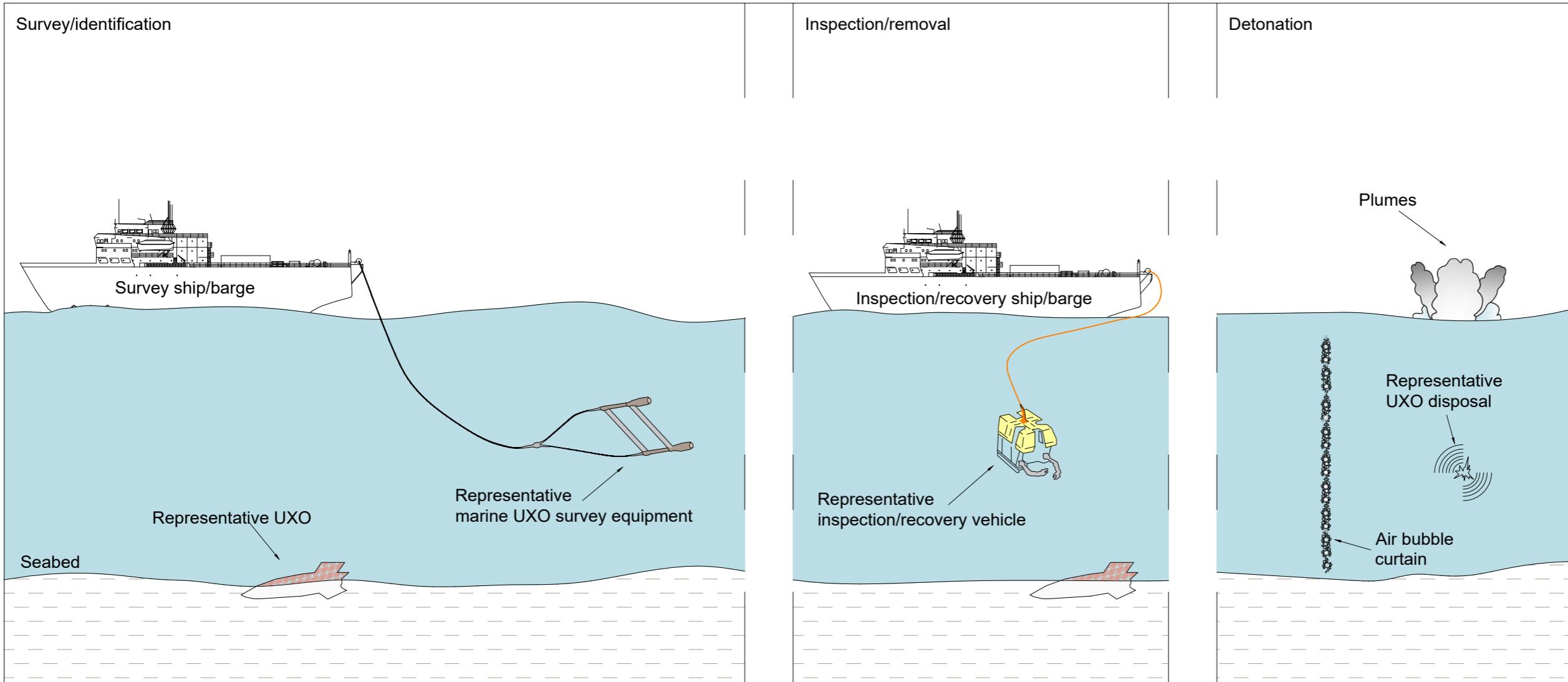
Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF
 PRE-SWEEPING AND SIDE-CASTING
 FOR STATUTORY CONSULTATION
 SHEET 01 of 01

Project Name: **LIONLINK**
 Application Number: EN020033
 National Grid LionLink Drawing Reference: LLK1-INT-DWG-ENG-000003
 Scale: NTS Sheet Size: A1 Sheet: SHEET 01 of 01 Issue: B

NATIONAL GRID LIONLINK LIMITED (NGLL)
DESIGN AND LAYOUT PLANS - OFFSHORE
ILLUSTRATIVE DRAWING OF UNEXPLDED ORDNANCE, REMOVAL AND DETONATION
SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. UXO = Unexploded Ordnance.
4. Air Bubble Curtain = System to mitigate underwater sound.
5. No unauthorised disclosure, storage or copying.
6. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).



Legend:



FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|------------|--------------------|-------|-------|----------|
| B | 16/07/2025 | Comments Addressed | AG | CC | CC |
| A | 20/06/2025 | First Issue | AG | LA | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

Title NATIONAL GRID LIONLINK LIMITED (NGLL)

DESIGN AND LAYOUT PLANS - OFFSHORE
ILLUSTRATIVE DRAWING OF
UNEXPLDED ORDNANCE, REMOVAL
AND DETONATION
FOR STATUTORY CONSULTATION

SHEET 01 of 01

| | | | | | |
|--|-------------------------|----------------|--|--|---|
| Project Name | LIONLINK | | | | |
| Application Number | EN020033 | | | | |
| National Grid LionLink Drawing Reference | LLK1-INT-DWG-ENG-000004 | | | | |
| Scale | Sheet Size | Sheet | | | |
| NTS | A1 | SHEET 01 OF 01 | | | B |

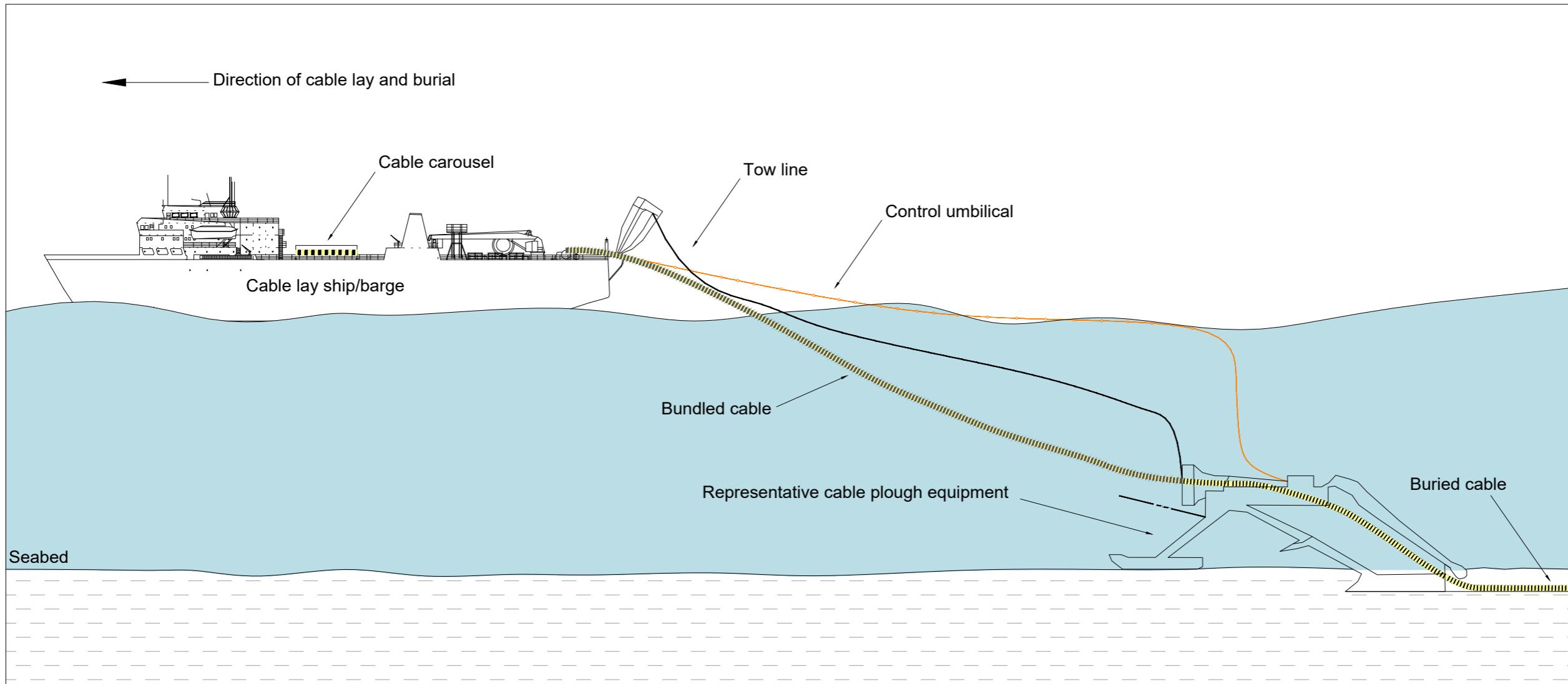
Section Number
03-02

Category Name
Cable Installation Works

NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF SIMULTANEOUS CABLE LAY AND BURIAL
 SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. No unauthorised disclosure, storage or copying.
4. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).



Legend:

- Control Umbilical of Burial Equipment
- Tow Line of Burial Equipment
- Bundled Cable
- Water
- Seabed Sediment

FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|------------|--------------------|-------|-------|----------|
| B | 15/07/2025 | Comments Addressed | AG | CC | CC |
| A | 27/06/2025 | First Issue | AG | LA | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF
 SIMULTANEOUS CABLE LAY AND BURIAL
 FOR STATUTORY CONSULTATION
 SHEET 01 of 01

Project Name: **LIONLINK**
 Application Number: EN020033
 National Grid LionLink Drawing Reference: LLK1-INT-DWG-ENG-000005
 Scale: NTS Sheet Size: A1 Sheet: SHEET 01 OF 01 Issue: B

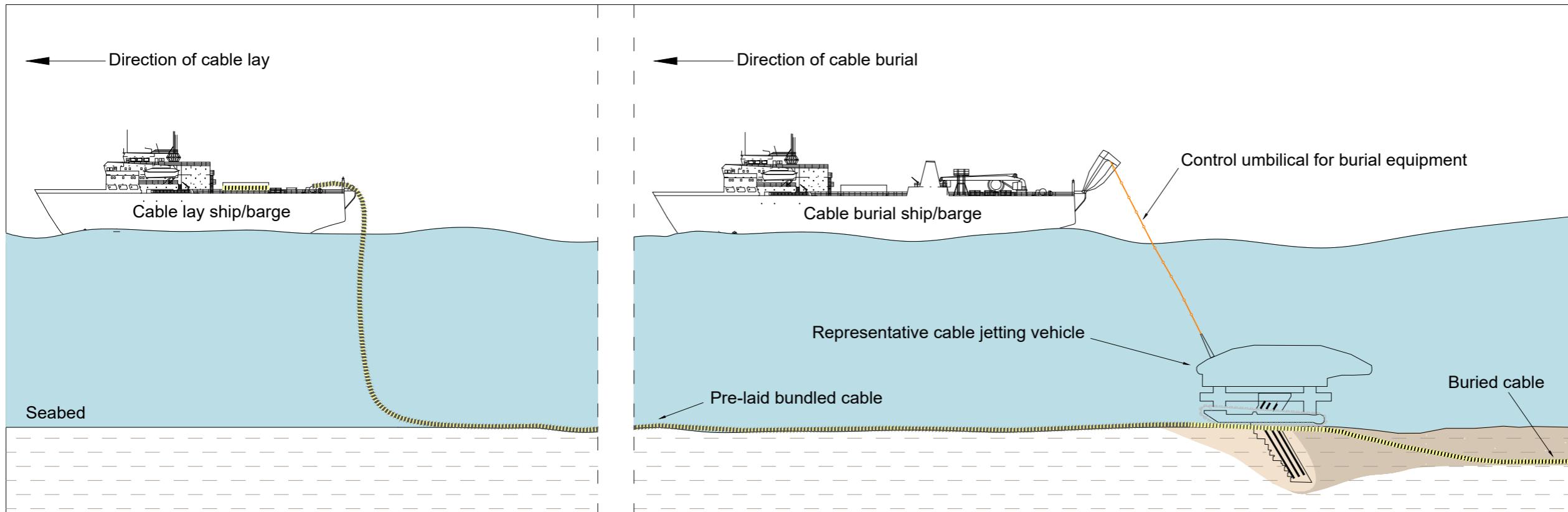
NATIONAL GRID LIONLINK LIMITED (NGLL)
DESIGN AND LAYOUT PLANS - OFFSHORE
ILLUSTRATIVE DRAWING OF CABLE LAY AND POST-CABLE LAY BURIAL
SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. Fluidisation area = Zone of loosened sediment due to high pressure water.
4. Sedimentation area = Zone of disturbed sediments that settle on the seabed after fluidisation.
5. No unauthorised disclosure, storage or copying.
6. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).

Legend:

| | |
|--|---------------------------------------|
| | Control Umbilical of Burial Equipment |
| | Bundled Cable |
| | Water |
| | Seabed Sediment |
| | Fluidisation Area |
| | Sedimentation Area |



FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|------------|--------------------|-------|-------|----------|
| B | 21/07/2025 | Comments Addressed | AG | CC | CC |
| A | 27/06/2025 | First Issue | AG | LA | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

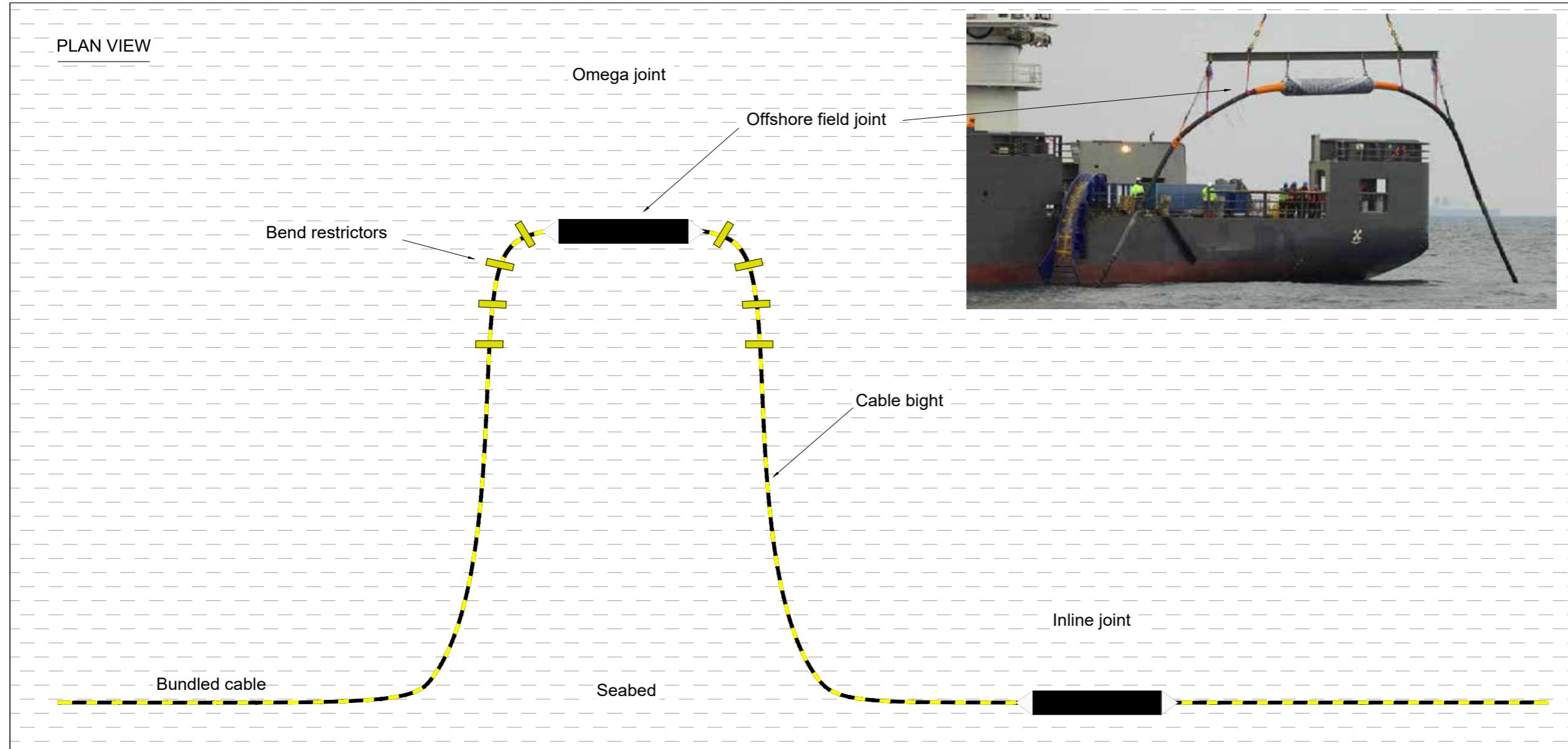
Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
DESIGN AND LAYOUT PLANS - OFFSHORE
ILLUSTRATIVE DRAWING OF
CABLE LAY AND POST-CABLE LAY BURIAL
FOR STATUTORY CONSULTATION
SHEET 01 of 01

| | | | | | |
|--|-------------------------|----------------|-------|--|--|
| Project Name | LIONLINK | | | | |
| Application Number | EN020033 | | | | |
| National Grid LionLink Drawing Reference | LLK1-INT-DWG-ENG-000006 | | | | |
| Scale | Sheet Size | Sheet | Issue | | |
| NTS | A1 | SHEET 01 OF 01 | B | | |

NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF OMEGA AND INLINE JOINTS
 FOR STATUTORY CONSULTATION
 SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. Cable bight = A loop of cable that does not cross itself.
4. Inline joint = A joint made on-board a cable laying vessel or barge, or in the beach areas, between cable lengths which have been armoured. They are generally used to connect two sections of cable offshore, creating a continuous linear 'inline' asset.
5. Omega joint = A joint made during cable lay or during a cable repair. The joint got its name because it results in a bight of cable laid to the side of the main cable route and looks like an 'Ω' when viewed from above.
6. No unauthorised disclosure, storage or copying.
7. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).



Legend:

| | |
|--|--------------------|
| | Bundled Cable |
| | Inline/Omega Joint |
| | Seabed Sediment |

| FOR STATUTORY CONSULTATION PURPOSES ONLY | | | | | |
|--|------------|--------------------|----|----|----|
| | | | | | |
| B | 16/07/2025 | Comments Addressed | AG | CC | CC |
| A | 27/06/2025 | First Issue | AG | LA | CC |

Issue Date Remarks Drawn Check Approved

Title NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF
 OMEGA AND INLINE JOINTS
 FOR STATUTORY CONSULTATION
 SHEET 01 of 01

| Project Name | | | |
|--|-------------------------|------------|----------------|
| LIONLINK | | | |
| Application Number | EN020033 | | |
| National Grid LionLink Drawing Reference | LLK1-INT-DWG-ENG-000007 | | |
| Scale | NTS | Sheet Size | A1 |
| | | Sheet | SHEET 01 of 01 |
| | | Issue | B |

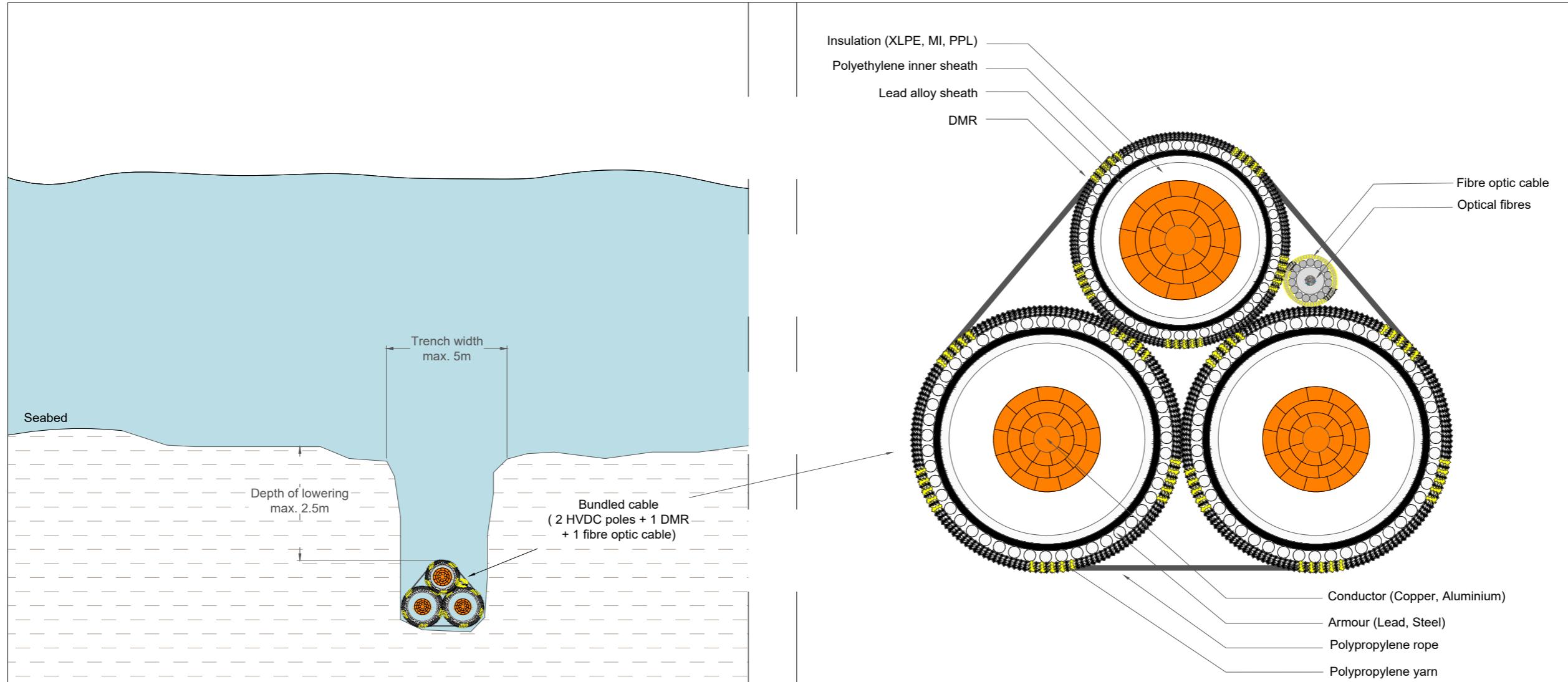
Section Number
03-03

Category Name
Cable Configuration and Trench Profiles

NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF BUNDLED CABLE PROFILE / CONFIGURATION
 SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. HVDC = High Voltage Direct Current.
4. XLPE = Cross Linked Polyethylene.
5. MI = Mass Impregnated.
6. PPL = Polypropylene Laminated Papers.
7. DMR = Dedicated Metallic Return.
8. The possibility of 'V' shaped trench due to shallow soil types and/or trench collapse cannot be ruled out.
9. No unauthorised disclosure, storage or copying.
10. This drawing is indicative and subject to change.
11. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).



Legend:



FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|------------|--------------------|-------|-------|----------|
| B | 21/07/2025 | Comments Addressed | AG | CC | CC |
| A | 27/06/2025 | First Issue | AG | LA | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF
 BUNDLED CABLE PROFILE / CONFIGURATION
 FOR STATUTORY CONSULTATION

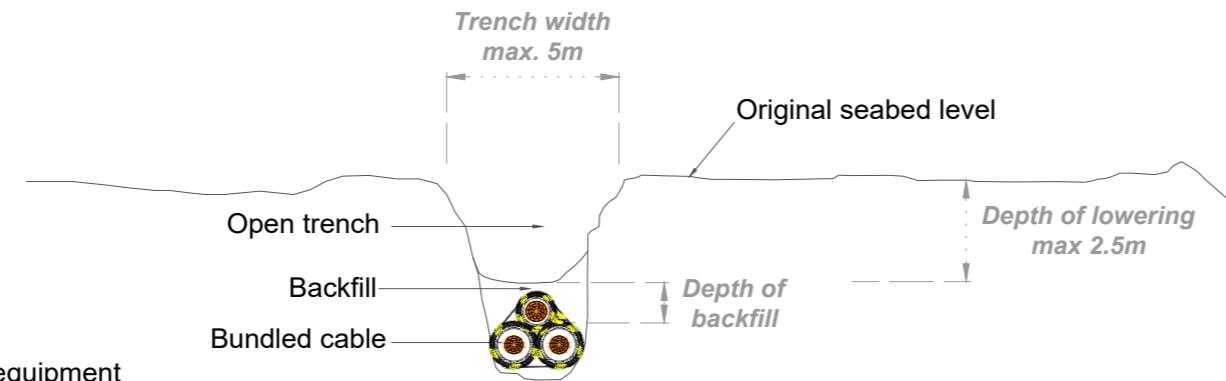
SHEET 01 of 01

| | | | | | |
|--|-------------------------|----------------|--|--|-------|
| Project Name | LIONLINK | | | | |
| Application Number | EN020033 | | | | |
| National Grid LionLink Drawing Reference | LLK1-INT-DWG-ENG-000008 | | | | |
| Scale | Sheet Size | Sheet | | | Issue |
| NTS | A1 | SHEET 01 of 01 | | | B |

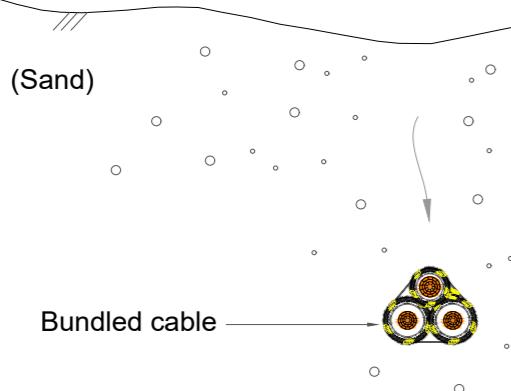
Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. No unauthorised disclosure, storage or copying.
4. This drawing is indicative and subject to change.
5. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-00004).

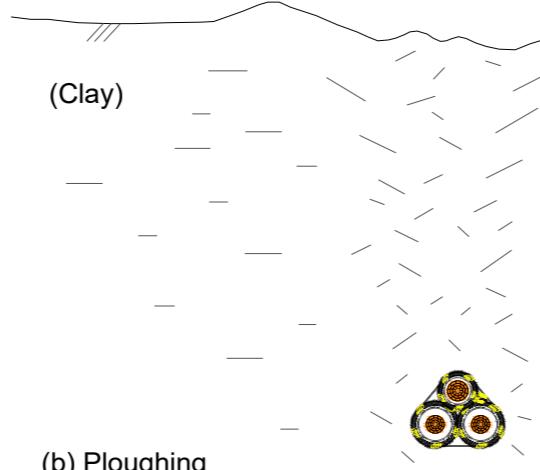
Typical trench profile



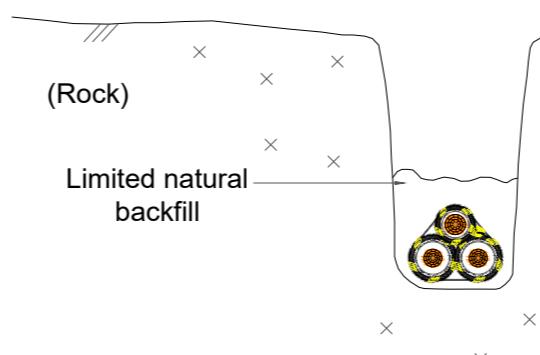
Trench profiles from different installation equipment



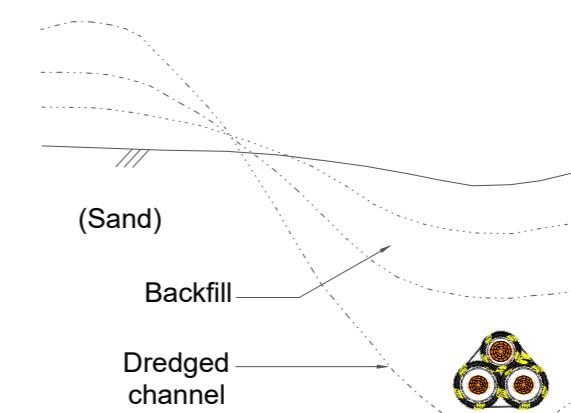
(a) Jetting/fluidisation



(b) Ploughing

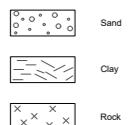


(c) Mechanical cutting



(d) Open trench dredging

Legend:



FOR STATUTORY CONSULTATION PURPOSES ONLY

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|-------|------------|--------------------|-------|-------|----------|
| B | 21/07/2025 | Comments Addressed | AG | CC | CC |
| A | 27/06/2025 | First Issue | AG | LA | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

Title NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF
 TYPICAL MARINE TRENCH PROFILES
 FOR STATUTORY CONSULTATION
 SHEET 01 of 01

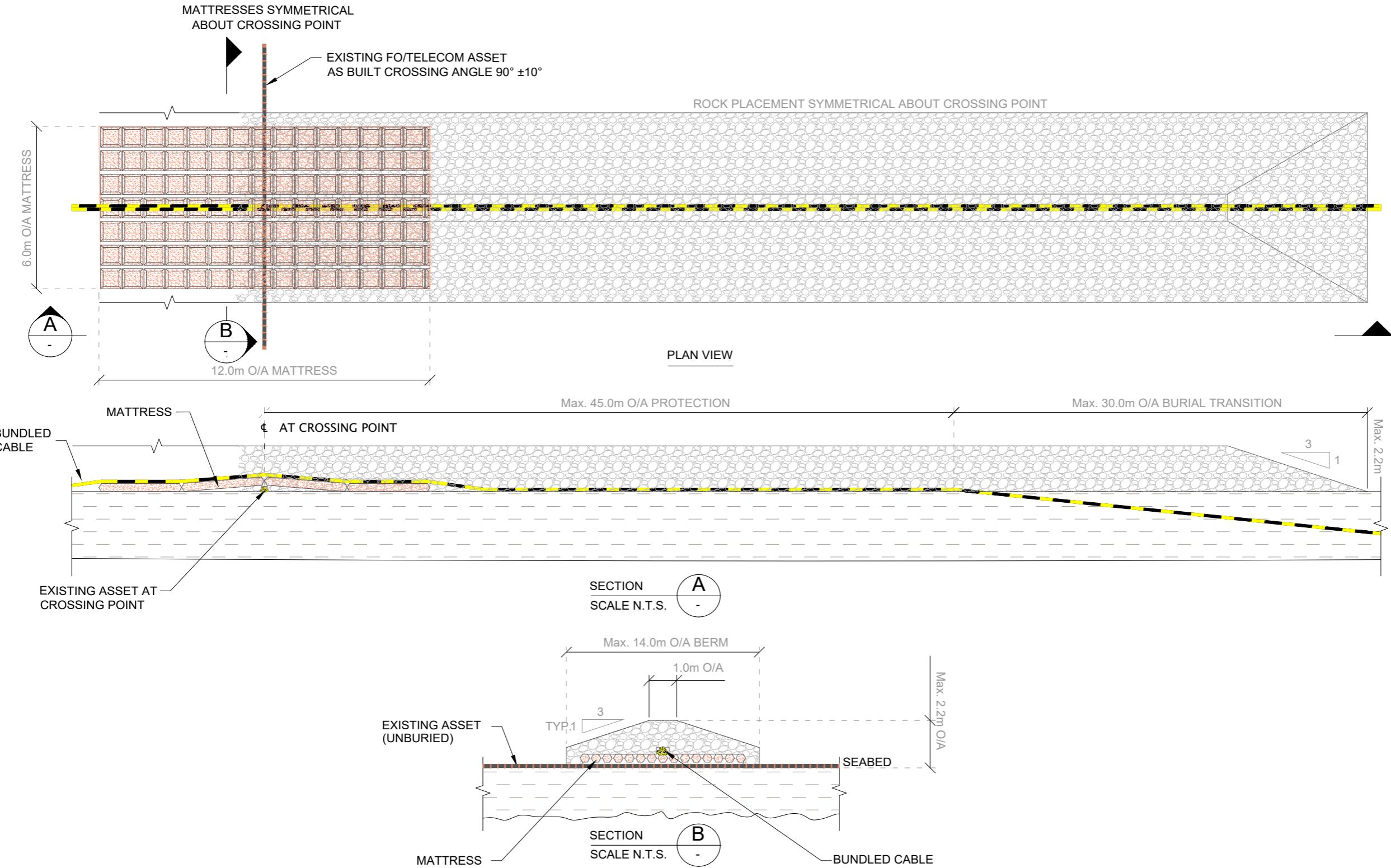
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|--|-------------------------|----------------|--|--|---|
| Project Name | LIONLINK | | | | |
| Application Number | EN020033 | | | | |
| National Grid LionLink Drawing Reference | LLK1-INT-DWG-ENG-000009 | | | | |
| Scale | Sheet Size | Sheet | | | |
| NTS | A1 | SHEET 01 of 01 | | | B |

Section Number
03-04

Category Name
Cable Crossings and Protection

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. FO = Fibre Optic.
4. O/A = On / About.
5. No unauthorised disclosure, storage or copying.
6. This drawing is indicative and subject to change.
7. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).

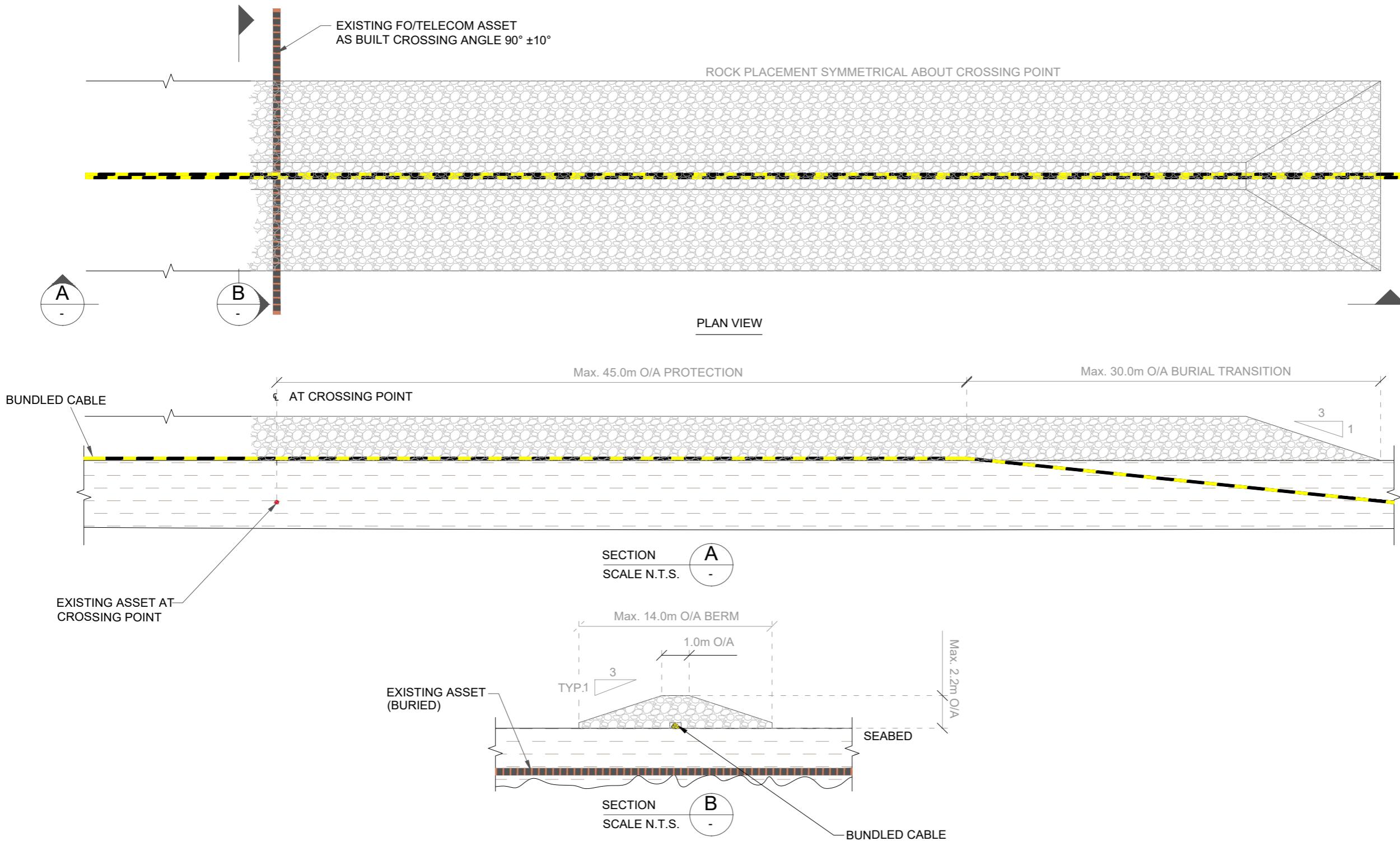


| FOR STATUTORY CONSULTATION PURPOSES ONLY | | | |
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| B | 21/07/2025 | Comments Addressed | AG LA LA |
| A | 08/07/2025 | First Issue | AG CC CC |
| Issue | Date | Remarks | Drawn Check Approved |
| Title | | | |
| NATIONAL GRID LIONLINK LIMITED (NGLL) DESIGN AND LAYOUT PLANS - OFFSHORE INDICATIVE BUNDLED CABLE CROSSING OVER UNBURIED FIBRE OPTIC/TELECOMS ASSET FOR STATUTORY CONSULTATION | | | |
| SHEET 01 of 01 | | | |
| Project Name | | | |
| LIONLINK | | | |
| Application Number | | | |
| EN020033 | | | |
| National Grid LionLink Limited Drawing Reference | | | |
| LLK1-INT-DWG-ENG-000010 | | | |
| Scale | Sheet Size | Sheet | Issue |
| NTS | A1 | SHEET 01 of 01 | B |

NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF BUNDLED CABLE CROSSING OVER BURIED FIBRE OPTIC/TELECOMS ASSET
 SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. FO = Fibre Optic.
4. O/A = On / About.
5. No unauthorised disclosure, storage or copying.
6. This drawing is indicative and subject to change.
7. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).



FOR STATUTORY CONSULTATION PURPOSES ONLY

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|-------|------------|--------------------|-------|-------|----------|
| B | 21/07/2025 | Comments Addressed | AG | LA | LA |
| A | 08/07/2025 | First Issue | AG | CC | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

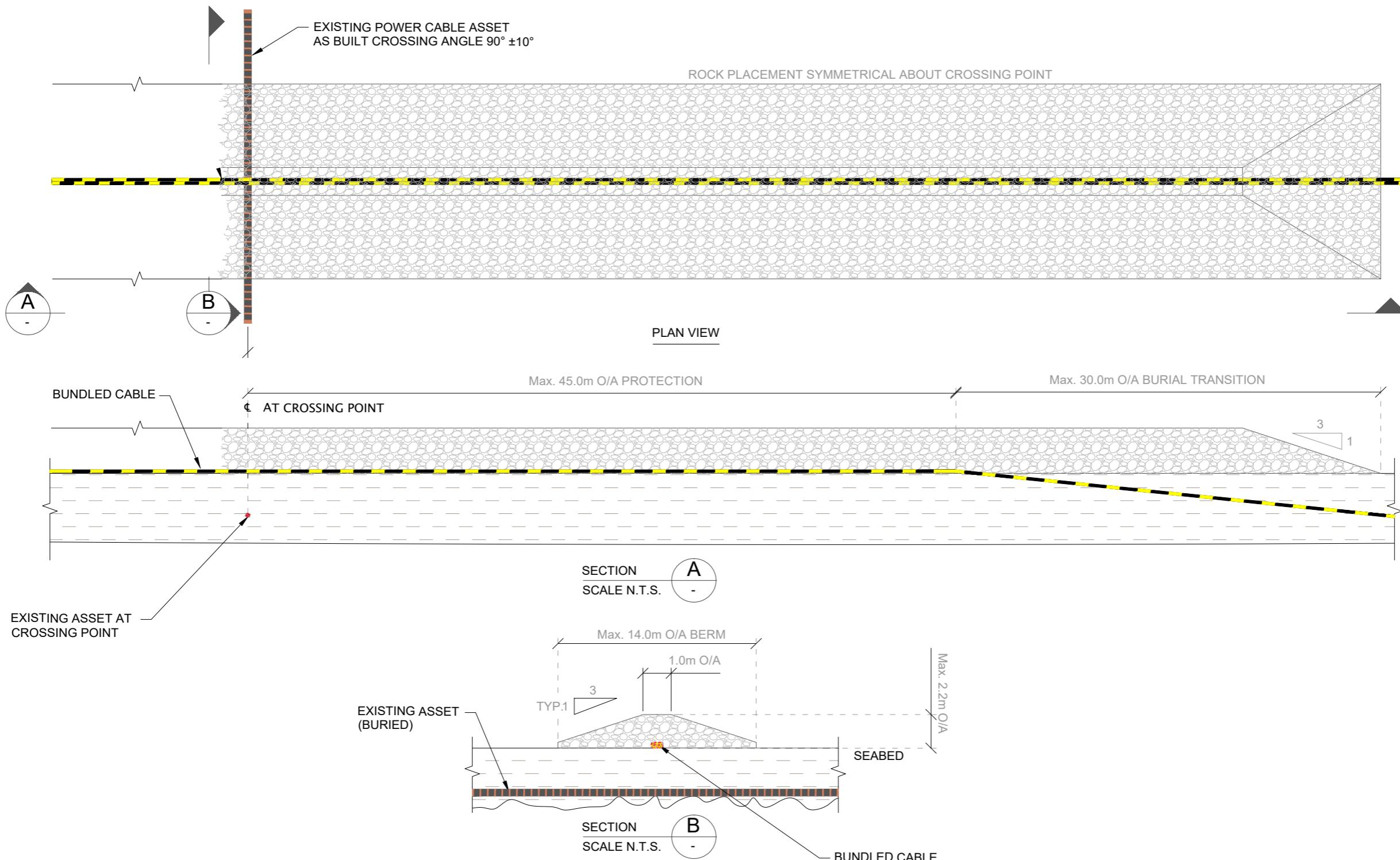
Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 INDICATIVE BUNDLED CABLE CROSSING
 OVER BURIED FIBRE OPTIC/TELECOMS ASSET
 FOR STATUTORY CONSULTATION
 SHEET 01 of 01

| | | | | | |
|--|-------------------------|----------------|--|--|-------|
| Project Name | LIONLINK | | | | |
| Application Number | EN020033 | | | | |
| National Grid LionLink Limited Drawing Reference | LLK1-INT-DWG-ENG-000011 | | | | |
| Scale | Sheet Size | Sheet | | | Issue |
| NTS | A1 | SHEET 01 OF 01 | | | B |

NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 ILLUSTRATIVE DRAWING OF BUNDLED CABLE CROSSING OVER BURIED POWER CABLE ASSET
 SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. FO = Fibre Optic.
4. O/A = On / About.
5. This drawing is indicative and subject to change.
6. Minimum vertical offset between the crossing power cables to be agreed as part of crossing agreement.
7. No unauthorised disclosure, storage or copying.
8. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).



FOR STATUTORY CONSULTATION PURPOSES ONLY

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|-------|------------|--------------------|-------|-------|----------|
| B | 21/07/2025 | Comments Addressed | AG | CC | CC |
| A | 08/07/2025 | First Issue | AG | CC | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

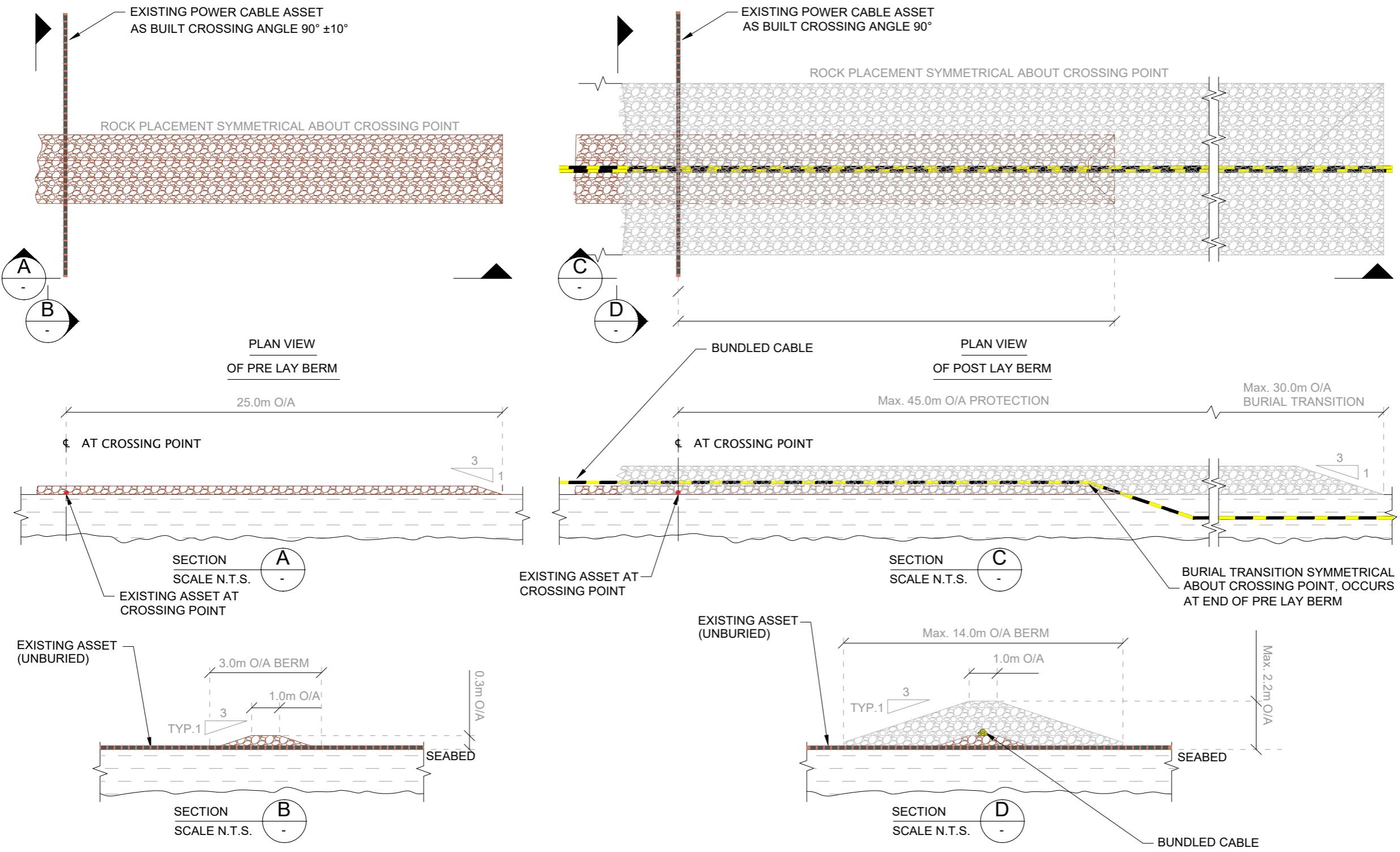
Title: NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - OFFSHORE
 INDICATIVE BUNDLED CABLE CROSSING
 OVER BURIED POWER CABLE ASSET
 FOR STATUTORY CONSULTATION
 SHEET 01 of 01

| | | | | | |
|--|-------------------------|----------------|--|--|-------|
| Project Name | LIONLINK | | | | |
| Application Number | EN020033 | | | | |
| National Grid LionLink Limited Drawing Reference | LLK1-INT-DWG-ENG-000012 | | | | |
| Scale | Sheet Size | Sheet | | | Issue |
| NTS | A1 | SHEET 01 OF 01 | | | B |

NATIONAL GRID LIONLINK LIMITED (NGLL)
DESIGN AND LAYOUT PLANS - OFFSHORE
ILLUSTRATIVE DRAWING OF BUNDLED CABLE CROSSING OVER PRE LAY BERM
SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. O/A = On / Above.
4. No unauthorised disclosure, storage or copying.
5. This drawing is indicative and subject to change.
6. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).



Legend:

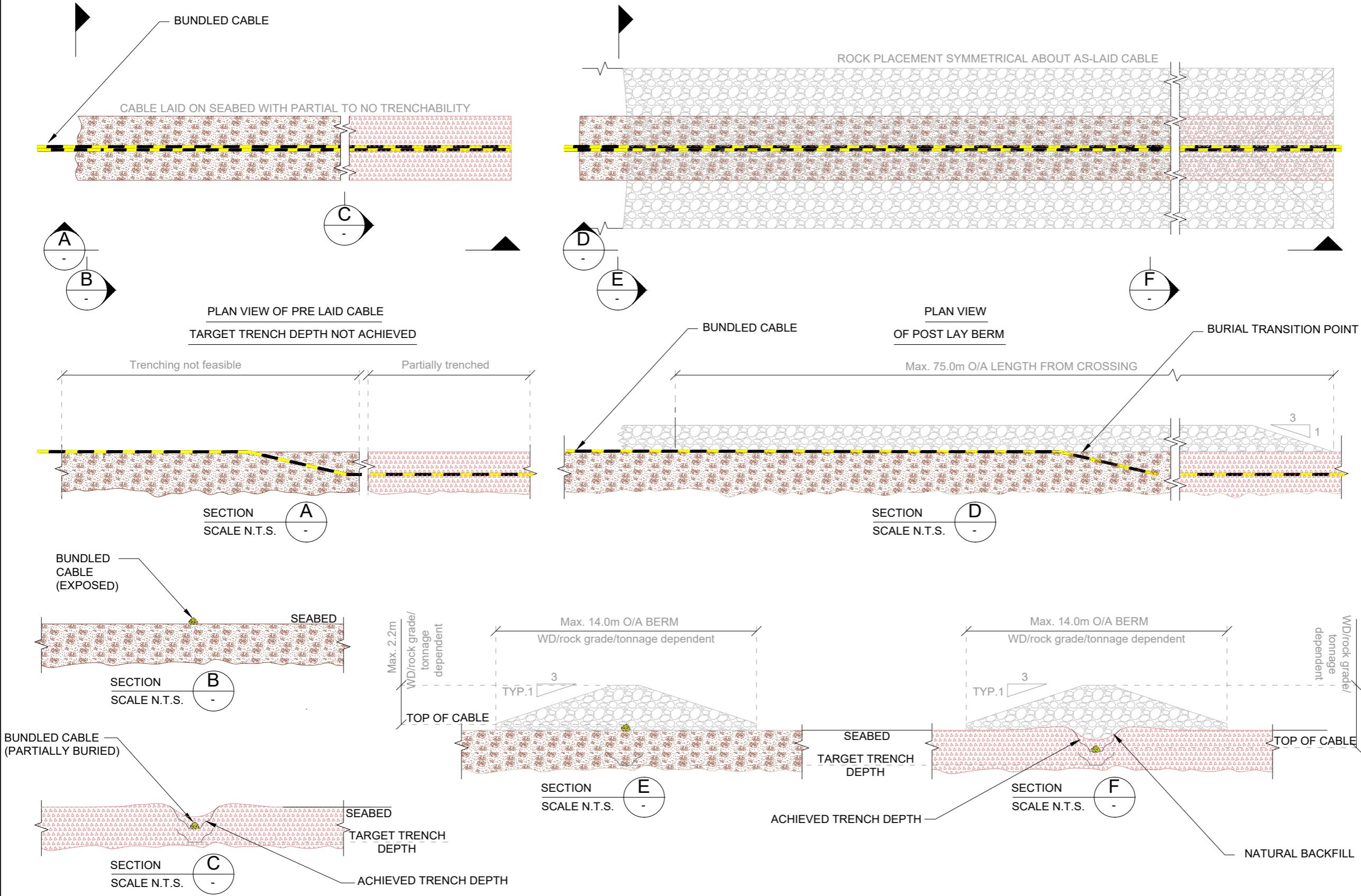
- Existing Asset
- Bundled Cable
- Seabed Sediment
- Post Lay Rock Berm
- Pre Lay Rock Berm

| FOR STATUTORY CONSULTATION PURPOSES ONLY | | | | | |
|--|------------|--------------------|-------|-------|----------|
| B | 21/07/2025 | Comments Addressed | AG | CC | CC |
| A | 08/07/2025 | First Issue | AG | CC | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |
| Title NATIONAL GRID LIONLINK LIMITED (NGLL) | | | | | |
| DESIGN AND LAYOUT PLANS - OFFSHORE | | | | | |
| ILLUSTRATIVE DRAWING OF BUNDLED | | | | | |
| CABLE CROSSING OVER PRE LAY BERM | | | | | |
| FOR STATUTORY CONSULTATION | | | | | |
| SHEET 01 of 01 | | | | | |
| Project Name LIONLINK | | | | | |
| Application Number EN020033 | | | | | |
| National Grid LionLink Limited Drawing Reference | | | | | |
| LLK1-INT-DWG-ENG-000013 | | | | | |
| Scale | Sheet Size | Sheet | Issue | | |
| NTS | A1 | SHEET 01 OF 01 | B | | |

NATIONAL GRID LIONLINK LIMITED (NGLL)
DESIGN AND LAYOUT PLANS - OFFSHORE
ILLUSTRATIVE DRAWING OF ROCK BERM SCHEMATICS PRE LAY AND POST LAY
SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. O/A = On / About.
4. WD = Water Depth.
5. Dimensions of berms are dependent on water depth, grade of rock & tonnage of rock required for protection.
6. No unauthorised disclosure, storage or copying.
7. This drawing is indicative and subject to change.
8. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-00004).

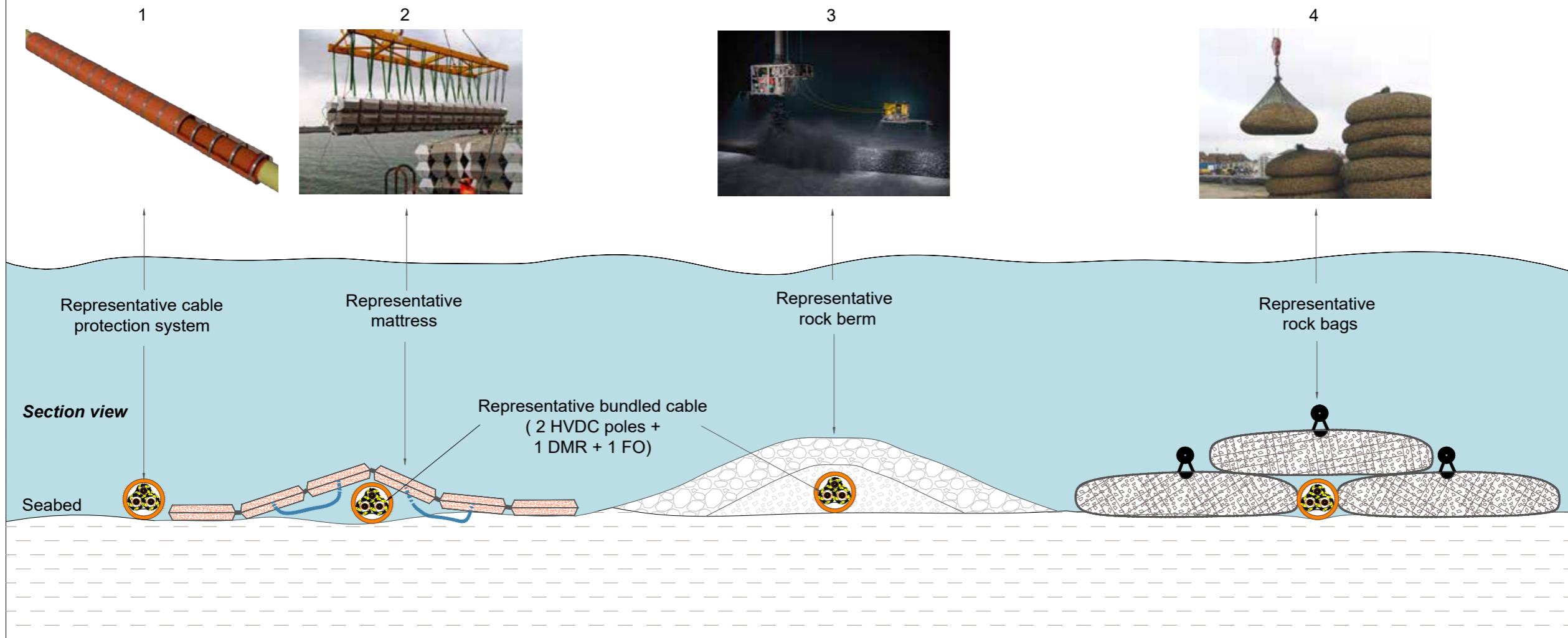


NATIONAL GRID LIONLINK LIMITED (NGLL)
DESIGN AND LAYOUT PLANS - OFFSHORE
ILLUSTRATIVE DRAWING OF CABLE PROTECTION SYSTEMS
SHEET 01 of 01

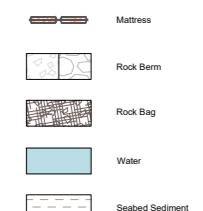
Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. HVDC = High Voltage Direct Current.
4. DMR = Dedicated Metallic Return.
5. FO = Fibre Optic.
6. No unauthorised disclosure, storage or copying.
7. This drawing is indicative and subject to change.
8. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).

Representative images of various cable protection methodologies



Legend:



FOR STATUTORY CONSULTATION PURPOSES ONLY

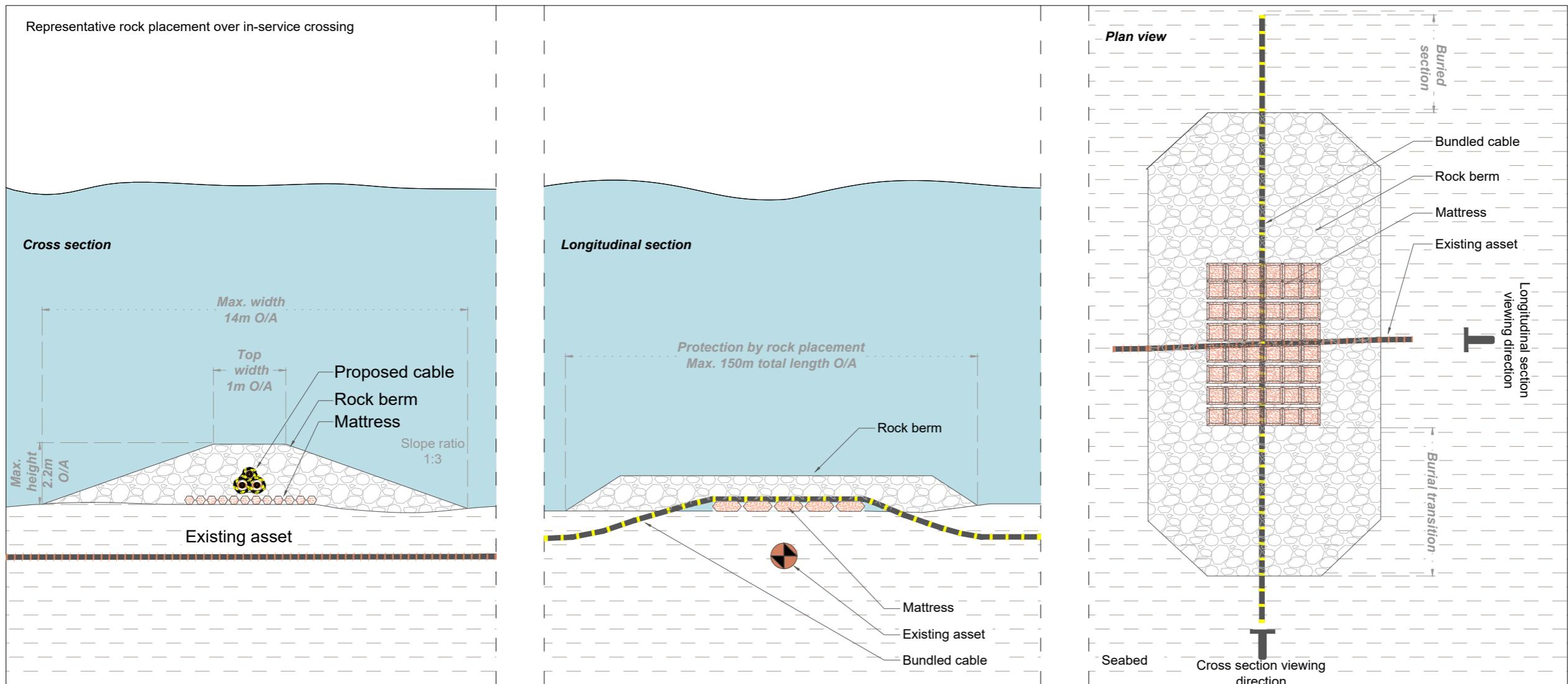
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| B | 17/07/2025 | Comments Addressed | AG | LA | LA |
| A | 08/07/2025 | First Issue | AG | CC | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

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|--|------------|----------------|-------|--|--|
| Title | | | | | |
| NATIONAL GRID LIONLINK LIMITED (NGLL) | | | | | |
| DESIGN AND LAYOUT PLANS - OFFSHORE | | | | | |
| ILLUSTRATIVE DRAWING OF | | | | | |
| CABLE PROTECTION SYSTEMS | | | | | |
| FOR STATUTORY CONSULTATION | | | | | |
| SHEET 01 of 01 | | | | | |
| Project Name | | | | | |
| LIONLINK | | | | | |
| Application Number | | | | | |
| EN020033 | | | | | |
| National Grid LionLink Limited Drawing Reference | | | | | |
| LLK1-INT-DWG-ENG-000015 | | | | | |
| Scale | Sheet Size | Sheet | Issue | | |
| NTS | A1 | SHEET 01 of 01 | B | | |

NATIONAL GRID LIONLINK LIMITED (NGLL)
DESIGN AND LAYOUT PLANS - OFFSHORE
ILLUSTRATIVE DRAWING OF ROCK PLACEMENT SECTIONS
SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. No unauthorised disclosure, storage or copying.
4. This drawing is indicative and subject to change.
5. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-00004).



Legend:

- Existing Asset
- Bundled Cable
- Mattress (Longitudinal Section)
- Mattress (Cross Section)
- Mattress (Plan View)
- Rock Berm
- Water
- Seabed Sediment

FOR STATUTORY CONSULTATION PURPOSES ONLY

| | | | | | |
|-------|------------|--------------------|-------|-------|----------|
| B | 22/07/2025 | Comments Addressed | AG | CC | CC |
| A | 08/07/2025 | First Issue | AG | CC | CC |
| Issue | Date | Remarks | Drawn | Check | Approved |

Title NATIONAL GRID LIONLINK LIMITED (NGLL)

DESIGN AND LAYOUT PLANS - OFFSHORE
ILLUSTRATIVE DRAWING OF
ROCK PLACEMENT SECTIONS
FOR STATUTORY CONSULTATION

SHEET 01 of 01

Project Name

LIONLINK

Application Number

EN020033

National Grid LionLink Limited Drawing Reference

LLK1-INT-DWG-ENG-000016

| Scale | Sheet Size | Sheet | Issue |
|-------|------------|----------------|-------|
| NTS | A1 | SHEET 01 OF 01 | B |

Section Number
03-05

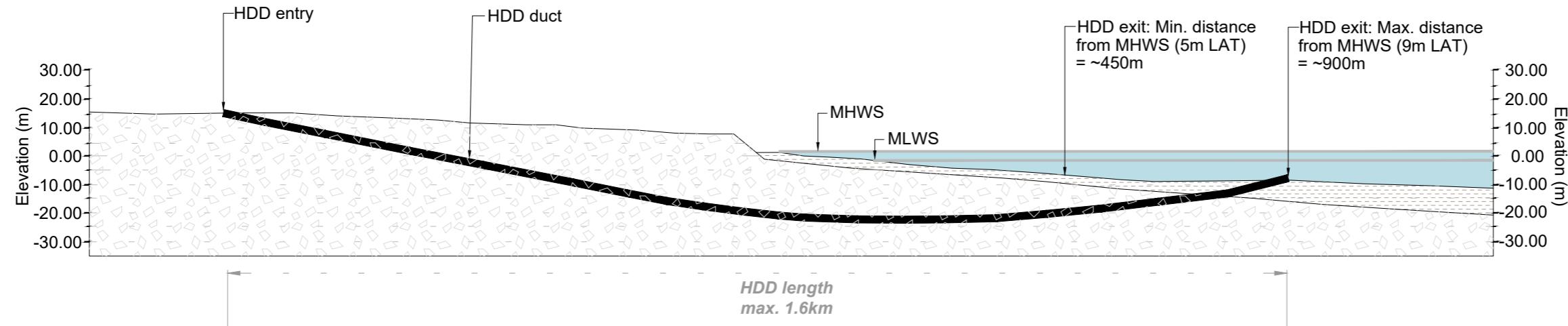
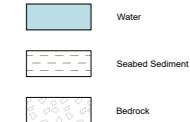
Category Name
Landfall Trenchless Installation Technique

NATIONAL GRID LIONLINK LIMITED (NGLL)
 DESIGN AND LAYOUT PLANS - ONSHORE
 ILLUSTRATIVE DRAWING OF TYPICAL HDD LANDFALL
 SHEET 01 of 01

Notes:

1. Do not scale from this drawing.
2. NTS = Not To Scale.
3. MHWS = Mean High Water Springs.
4. MLWS = Mean Low Water Springs.
5. LAT = Lowest Astronomical Tide (water depth reference level).
6. HDD = Horizontal Directional Drilling.
7. HDD length is dependent on the local geological ground conditions, up to 1.6km.
8. HDD punch-out (exit) will depend on further technical studies and design.
9. No unauthorised disclosure, storage or copying.
10. This drawing is indicative and subject to change.
11. This drawing is to be read in conjunction with the Preliminary Environmental Information Report Volume 1 Chapter 2 Description of the Proposed Scheme (LLK1-ARU-REP-ENV-000004).

Legend:



ILLUSTRATIVE SECTION

| FOR STATUTORY CONSULTATION PURPOSES ONLY | | | | | | |
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| | | | | | | |
| B | 22/07/2025 | Comments Addressed | AG | CC | CC | |
| A | 20/06/2025 | First Issue | AG | LA | CC | |

| Title | | | | | | |
|--|----|----------------|--|--|--|---|
| NATIONAL GRID LIONLINK LIMITED (NGLL) | | | | | | |
| ILLUSTRATIVE DRAWING OF | | | | | | |
| TYPICAL HDD LANDFALL | | | | | | |
| FOR STATUTORY CONSULTATION | | | | | | |
| SHEET 01 of 01 | | | | | | |
| Project Name | | | | | | |
| LIONLINK | | | | | | |
| Application Number | | | | | | |
| EN020033 | | | | | | |
| National Grid LionLink Drawing Reference | | | | | | |
| LLK1-INT-DWG-ENG-0000017 | | | | | | |
| Scale | | | | | | |
| NTS | A1 | SHEET 01 of 01 | | | | B |



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United Kingdom
nationalgrid.com/lionlink

