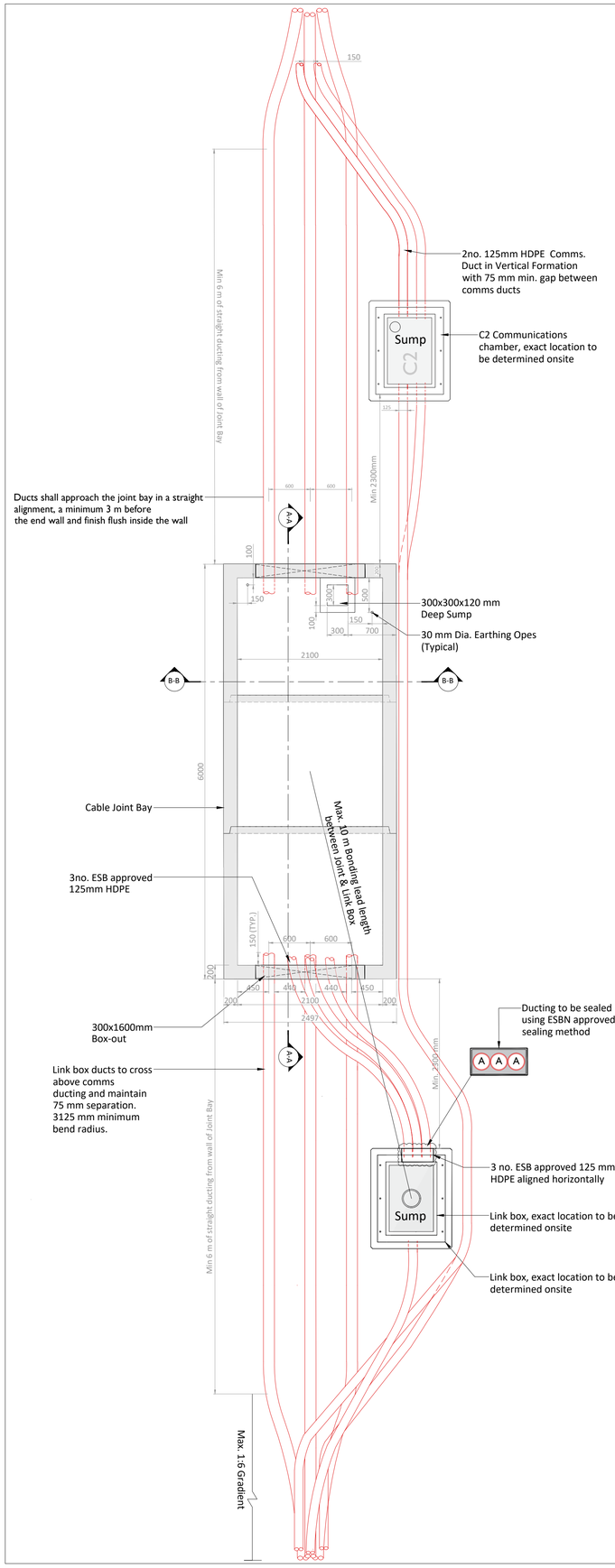
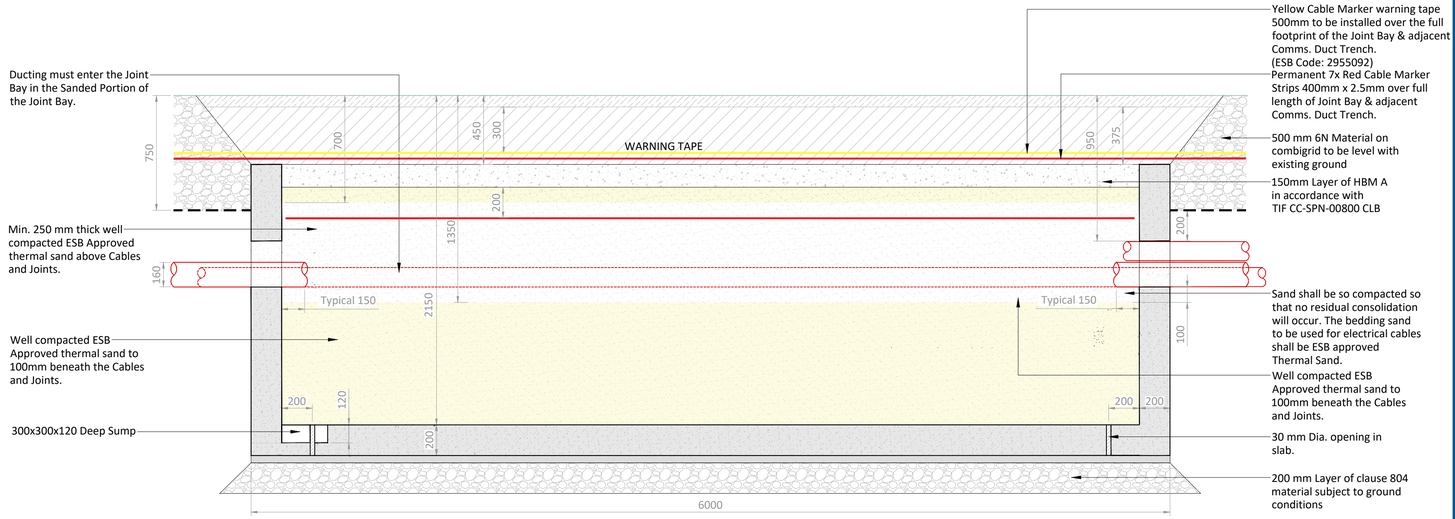
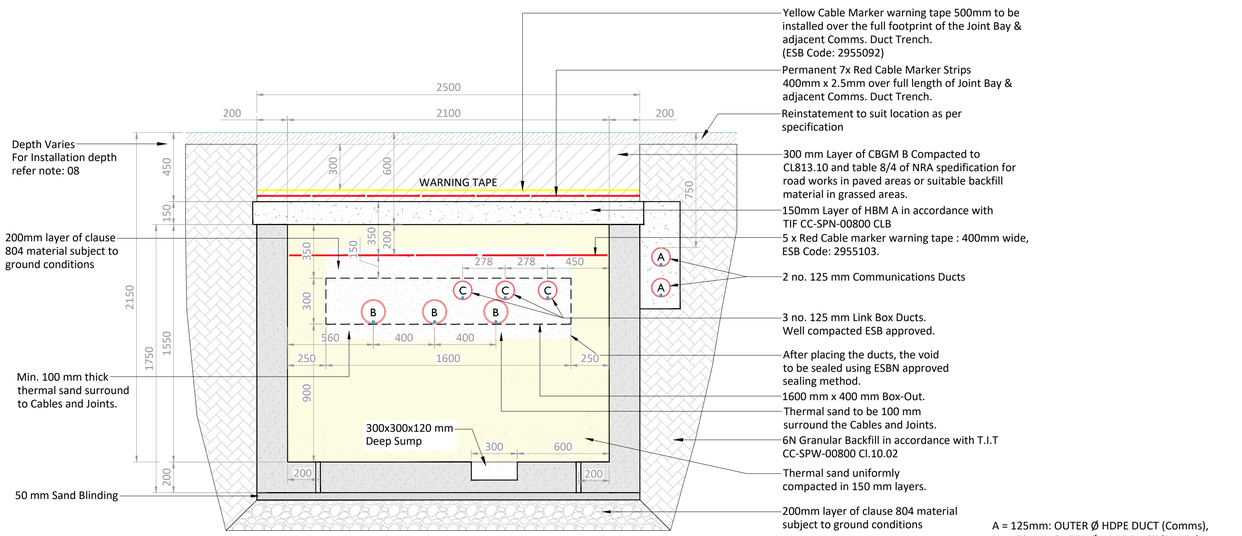
ISO A1 594mm x 841mm





Joint Bay Section A - A

Scale: 1:20



A = 125mm: OUTER Ø HDPE DUCT (Comms),
B = 160mm: OUTER Ø HDPE DUCT (Power),
C =125mm: OUTER Ø HDPE DUCT (Bonding Leads)

Joint Bay Cable Section B - B

Scale: 1:20



Temporary Installation Ground

Scale: 1:40

13.10.2026
ISSUED FOR PLANNING

GENERAL NOTES:

1. This drawing is to be used only for the purpose of issue and is subject to amendment.
2. This drawing is to be read in conjunction with all other relevant information.
3. Do not scale from this drawing, use only printed dimensions.
4. All dimensions are in millimetres unless defined otherwise.
5. Allowable bearing pressure to be at least 185kpa. Suitability of standard Joint Bay foundations can only be confirmed following Ground Investigation. Hand Vane Tests shall be required as per GI Specification. Where specified minimum bearing pressure is not achievable and where Peat is encountered, the contractor shall refer to the Engineer for guidance.
6. The length of bonding lead length shall in no case exceed 10m. No joints in bonding cable are permitted.
7. All earthing shall be in accordance with ENA ER C55 and Eirgrid/ESBN functional specification.
8. The depth from ground/road level to the top of the concrete wall shall be:
   a. 600 mm - in cultivated fields & grass land
   b. 600 mm - in paved roads and grass verges
   c. 600 mm - in paved city roads and grass verges
9. Link Box Chambers to be positioned at the edge or off road.
10. Link Box Chambers and C2 Comms Chambers final positioning to be agreed with ESB prior to installation.
11. Contact Cable Designer if ECC is required. Should an ECC be required an additional duct will be required.
12. For Earthing Details refer to Joint Bay Earthing drawing 300XXXXX-U-DR-XXX.
13. Communication and Earth Bonding Lead Link Box Ducts are not permitted to cross as per ESB Specification. Ducts are to be installed as outlined in the drawing.
14. For joints between Joint Bay Sections, proprietary Insert Compressible Filler fixed to dry clean socket face is to be used with a Contact Adhesive prior to unit's pushed together. Subject to Engineer's approval.

Concrete Requirements

- Exposure class XC2 Minimum cement content 280 kg/m3. Max. water/cement ratio 0.60 cement type to IS EN 197-1: Only cements and cement combinations in this specification may be used.
- Minimum air content n/a chloride content class: Cl. 0.40 Max aggregate (mm): 20 Min. cover (mm) 40 compressive strength class C30/37

Project Management Initials: Designer: AD Checked: DB Approved: RG

tli GROUP

Head Office
Beenreigh,
Abbeydorney,
Tralee, Co. Kerry
Ireland
Tel: 00353 66 7135710

Regional Office
Basepoint Business Centre
Stroudley Road, Basingstoke,
Hampshire,
RG24 8UP, UK
Tel: 00 44 1256406664

PROJECT

Rooaunalaghta Green Energy Project

CLIENT

ROOAUNALAGHTA Green Energy

CONSULTANTS

TOBIN CONSULTING ENGINEERS

NOTES: -

- This drawing is to be read in conjunction with relevant drawings, specifications and reports.
- Dimensions are in millimeters, unless noted otherwise.
- Drawings are not to be scaled. Use figured dimensions only.

LEGEND: -

- 160mm Ø HDPE POWER DUCT WITH 12mm Dia PULL ROPE
- 125mm Ø HDPE COMMUNICATION DUCT WITH 12mm DIA PULL ROPE
- 63mm Ø HDPE EARTH CONTINUITY CONDUCTOR WITH 12mm DIA PULL ROPE
- RED MARKER STRIP OR STEEL PLATES
- YELLOW MARKER WARNING TAPE
- 6mm GALVANISED STEEL PLATE
- EXISTING SERVICE TAPE

ISSUE/REVISION

P0	13.10.26	Issued for Planning
N0	07.09.26	Issued for Information
I/R	DATE	DESCRIPTION

PROJECT NUMBER

300-101121

SHEET TITLE

110kV Joint Bay Details General Arrangement

SHEET NUMBER

300101121-U-DR-155