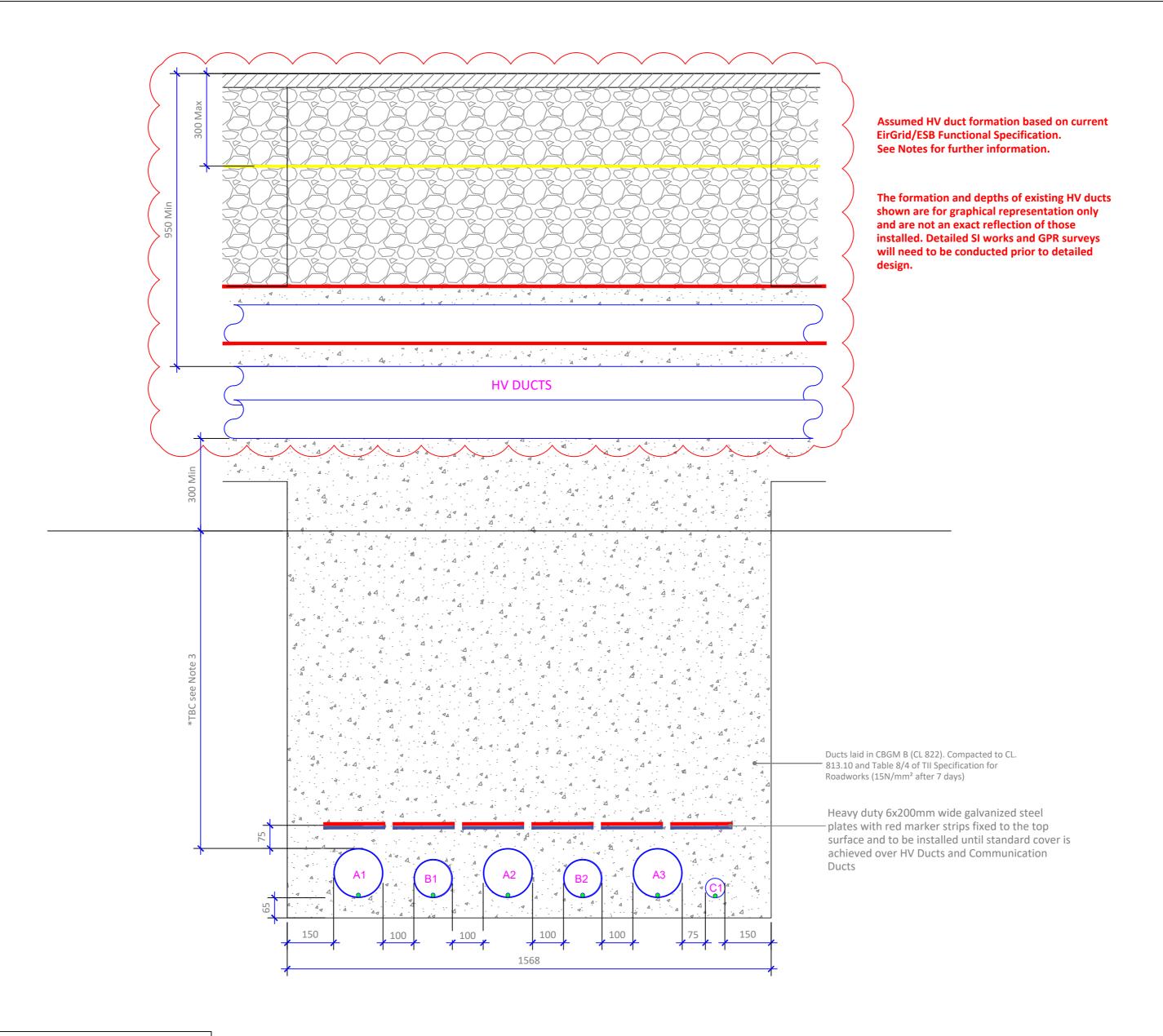
LEGEND: -

Assumed HV duct formation based on current EirGrid/ESB Functional Specification. See Notes for further information. The formation and depths of existing HV ducts shown are for graphical representation only and are not an exact reflection of those installed. Detailed SI works and GPR surveys will need to be conducted prior to detailed design. Ducts laid in CBGM B (CL 822). Compacted to CL. 813.10 and Table 8/4 of TII Specification for Roadworks (15N/mm² after 7 days) Heavy duty 6x200mm wide galvanized steel plates with red marker strips fixed to the top surface and to be installed until standard cover is achieved over HV Ducts and Communication 600

110kV Cable Udercrossing - Flat (Facing Existing HV UGC In Trefoil)

**SCALE 1:10** 



110kV Cable Undercrossing - Flat (Facing Proposed Ballinagree **UGC In Flat Formtion) SCALE 1:10** 

A = 160mm OUTER DIAMETER HDPE ESB APPROVED POWER DUCT, SDR= 21

B = 125mm OUTER DIAMETER HDPE ESB APPROVED COMMS DUCT, SDR=17.6

C = 63mm: OUTER DIAMETER HDPE ESB APPROVED DUCT, SDR=17.6 (ECC)

 This design is subject to prior EirGrid approval and should be used for planning purposes only.

 This drawing is to be read in conjunction with relevant drawings, specifications and recorder. This drawing is to be read in conjunction with relevant drawings, specifications and reports.
 The installation depth of the Ballinagree UGC to be confirmed following site investigation works, GPR survey, confirmation of the UGC circuit configuration being crossed and detailed electrical design.
 The minimum 300mm clearance distance between services of is to be maintained.
 Dimensions are in millimeters, unless noted otherwise.
 Drawings are not to be scaled use figured dimensions only.
 Existing access track/off road build up and reinstatement requirements to be confirmed with EirGrid and/or the Landowner.
 Final duct/cable depth, spacing and arrangement to be confirmed as part of the detailed design process.

design process.

9. The owner of the existing utility being crossed must be consulted in advance of works commencing as per their guidelines.

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**PROJECT** 

Ballinagree Windfarm 110kV Grid Connection

CLIENT



**CONSULTANTS** 

**ISSUE/REVISION** 

25.01.22	Issued for Planning
11.01.22	Issued for Information
18.11.21	Issued for Information
DATE	DESCRIPTION
	11.01.22 18.11.21

PROJECT NUMBER

05-843

SHEET TITLE

110kV Cable Crossing Undercrossing Access Track

SHEET NUMBER

05843-DR-014