



Road reinstatement to be in accordance with *Guidelines for Managing Openings in Public Roads* (Purple Book - April 2017).

450mm is the minimum acceptable clearance dimension from the road surface to the top of the highest cable duct where the cable trench is in the carriageway

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 ducts

A393 mesh to be installed until standard cover is achieved over hv ducts and communication ducts

EXISTING ROAD LEVEL  
Existing Road Build Up  
C25/30 concrete to be in accordance with specification for road works 1000. 20mm max size of aggregate, with minimum duct spacing of 75mm. Min. cover to steel - 50mm.  
4 X 400mm ESN yellow warning tape across full width of trench

A = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6  
B = 160mm : Outer Diameter HDPE ESB Approved Duct, SDR=21

**Typical Section Through Double Circuit 110kV Ducting in Flat Formation**  
**SCALE 1:20**

- Note:
- This design is subject to EirGrid design approval.
  - This drawing is to be read in conjunction with all other relevant documentation.
  - Dimensions are in millimeters, unless noted otherwise.
  - Drawings are not to be scaled use figured dimensions only.

**ALL REINSTATEMENT WORKS ARE TO BE IN ACCORDANCE WITH LOCAL AREA ENGINEERS LANDOWNERS REQUIREMENTS AND GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS**



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CLIENT



PROJECT

Castlebanny Wind Farm  
110kV Grid Connection

PROJECT NUMBER  
05-699

SHEET NUMBER  
05699-DR-104

SHEET TITLE

Typical DC 110kV Trench in  
Flat Formation

DRAWING STATUS  
For Planning

ISSUE/REVISION

I/R	DATE	DESCRIPTION
P01	02.12.20	Issued for Planning
P00	03.09.20	Issued for Information