


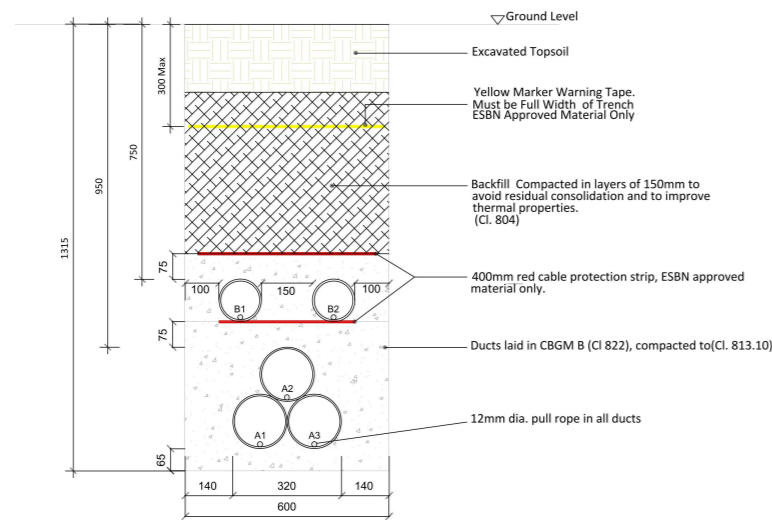


### Legend

-  Red Cable Marker Strip
-  Yellow Marker Warning Tape 500mm Wide
-  Ducts Laid in CBGM B (CI 822), Compacted To CI. 813.10
-  Backfill, Compacted (CI. 804)

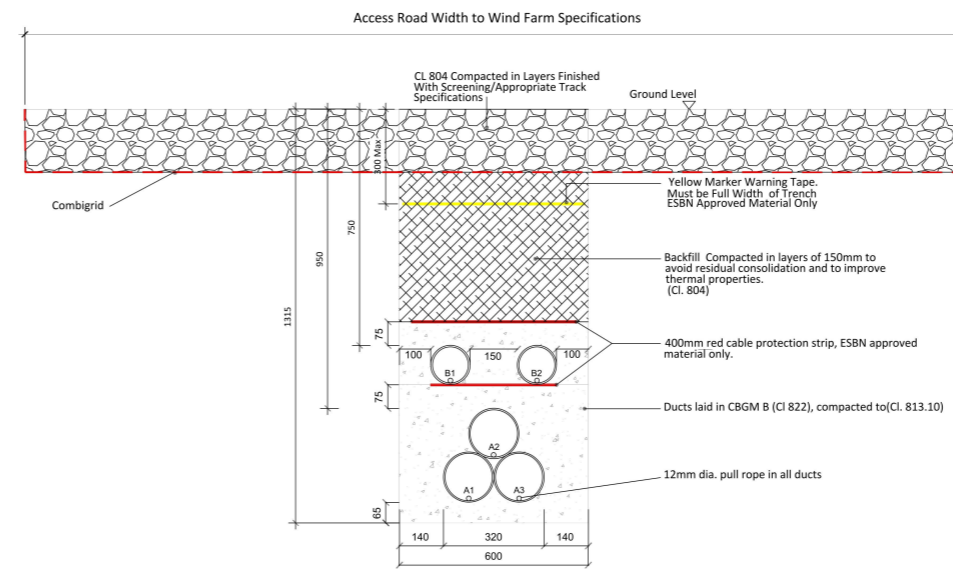
### Notes:

1. A surface cable marker (metallic plate; 300mm x 150mm to ESB standard) will be placed on the bridge where cable depth is unavoidably shallow.
2. Requirements of Road Engineer will be facilitated at detail design stage.



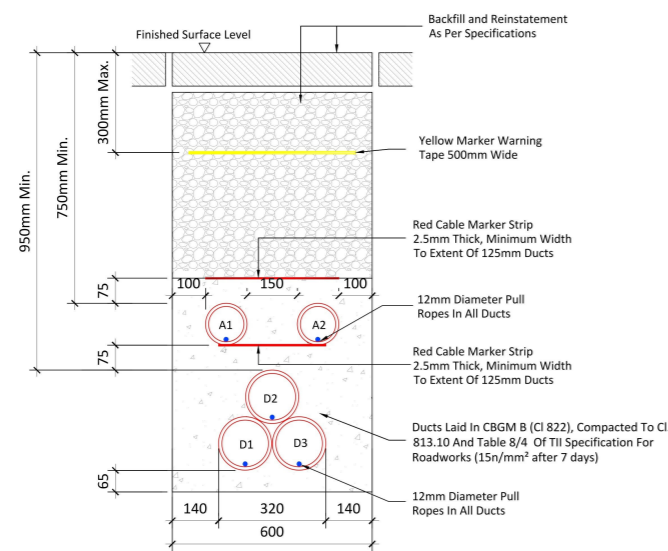
A = 160mm: Outer Diameter HDPE ESB Approved Duct, SDR=21 (Power) [ESB Code: 9317552]  
B = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6 (Comms) [ESB Code: 9317552]

Typical Section Through Off Road Section



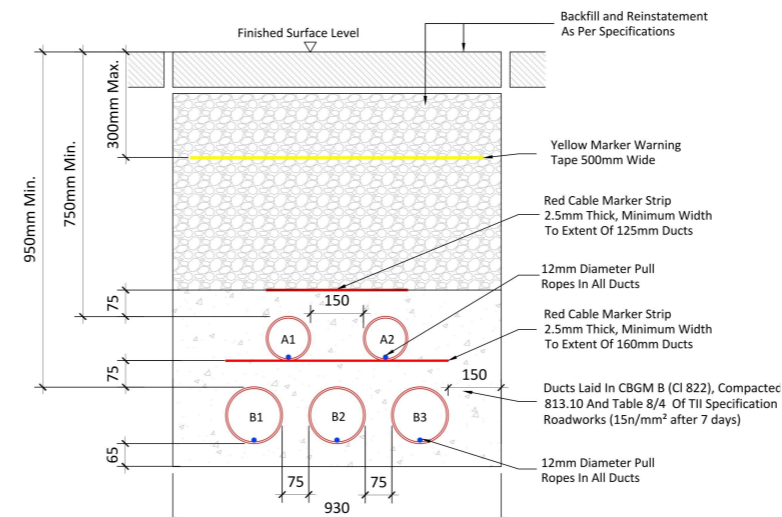
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B = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6 (Comms) [ESB Code: 9317552]

Typical Section Through Access Road Section



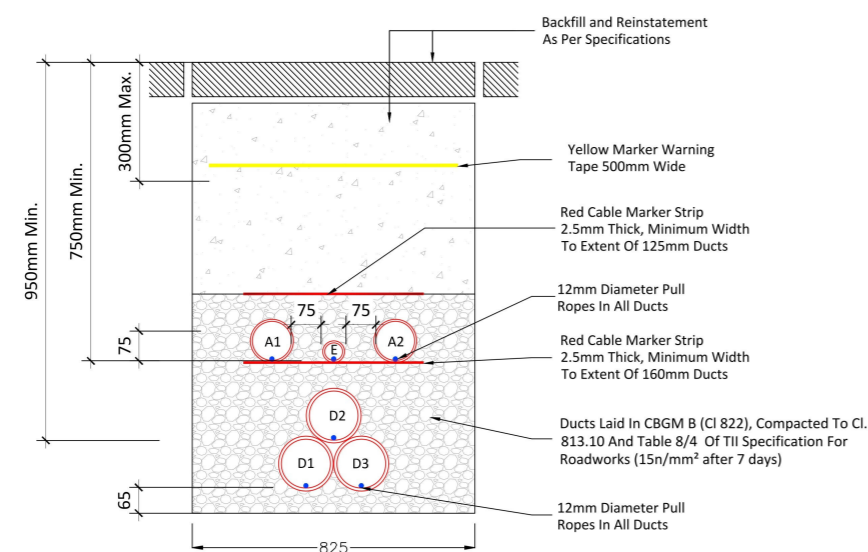
A = 125mm O.D. HDPE ESB APPROVED DUCT, SDR=17.6  
D = 160mm O.D. HDPE ESB APPROVED DUCT, SDR=21  
ALL DIMENSIONS IN MILLIMETERS

Trench Cross Section For 160mm Power Ducts In Trefoil Formation



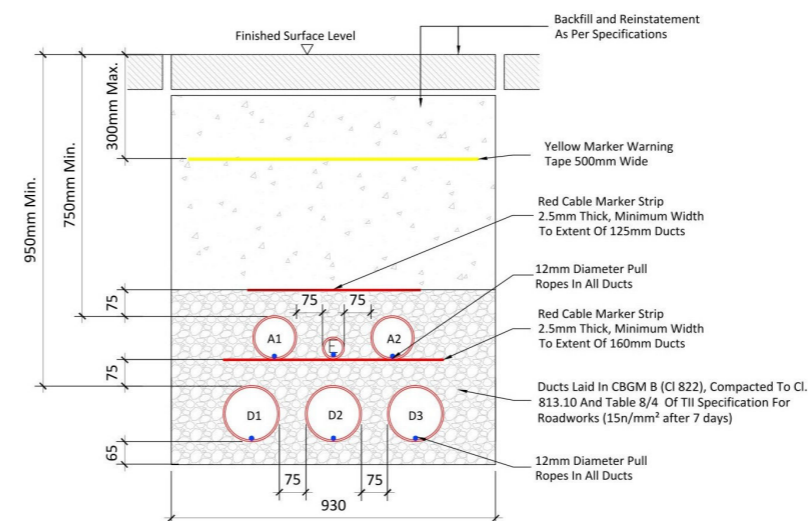
A = 125mm O.D. HDPE ESB APPROVED DUCT, SDR=17.6  
D = 160mm O.D. HDPE ESB APPROVED DUCT, SDR=21  
ALL DIMENSIONS IN MILLIMETERS

Trench Cross Section For 160mm Power Ducts In Flat Formation - (Transition to Joint Bays)



A = 125mm O.D. HDPE ESB APPROVED DUCT, SDR=17.6  
D = 160mm O.D. HDPE ESB APPROVED DUCT, SDR=21  
E = MIN 63mm O.D. HDPE ESB APPROVED DUCT, SDR=17.6  
\*DUCT TO BE USED FOR EARTH CONTINUITY CONDUCTOR  
ALL DIMENSIONS IN MILLIMETERS

Trench Cross Section For 160mm Power Ducts In Trefoil Formation With Earth Continuity Conductor



A = 125mm O.D. HDPE ESB APPROVED DUCT, SDR=17.6  
D = 160mm O.D. HDPE ESB APPROVED DUCT, SDR=21  
E = 63mm O.D. HDPE ESB APPROVED DUCT, SDR=17.6  
\*DUCT TO BE USED FOR EARTH CONTINUITY CONDUCTOR  
ALL DIMENSIONS IN MILLIMETERS

Trench Cross Section For 160mm Power Ducts In Flat Formation With Earth Continuity Conductor

Client  
CONSTANT ENERGY LIMITED.

Project  
STANDARD 110kV ROADWAY  
TRENCH TERFOIL DESIGN  
(160MM DUCT)

Title  
TIRAWLEY WIND FARM,  
CO. MAYO



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Date	21/04/2026	Revision	1	Job No.	6289
Scale	NOT TO SCALE	Stage	Planning	Figure	2.20
Drawing	DT	Checked	MG	Approved	MG