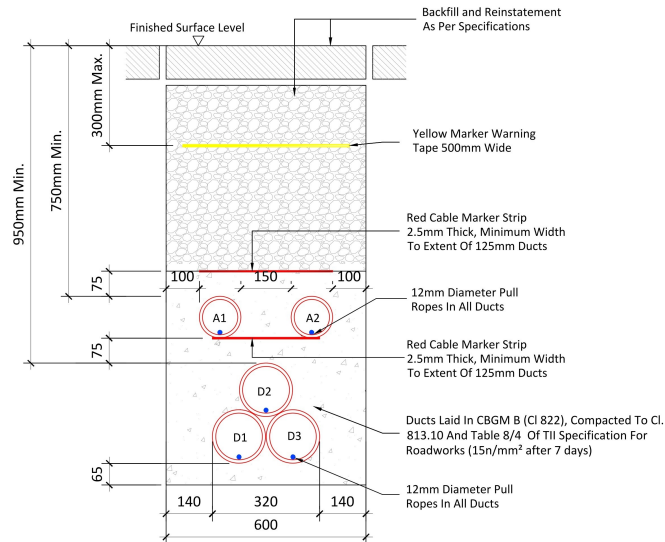


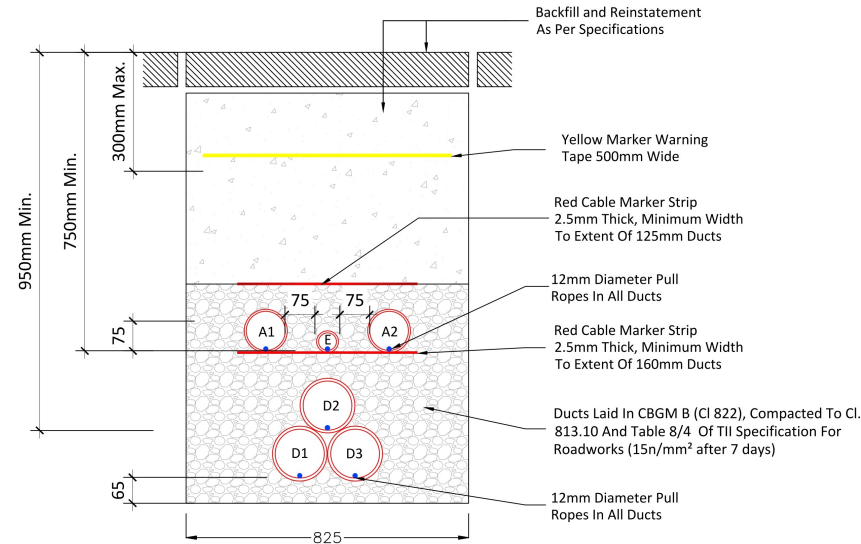
A = 160mm: Outer Diameter HDPE ESB Approved Duct, SDR=21 (Power) [ESB Code: 9317552]
B = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6 (Comms) [ESB Code: 9317552]

Typical Section Through Off Road Section



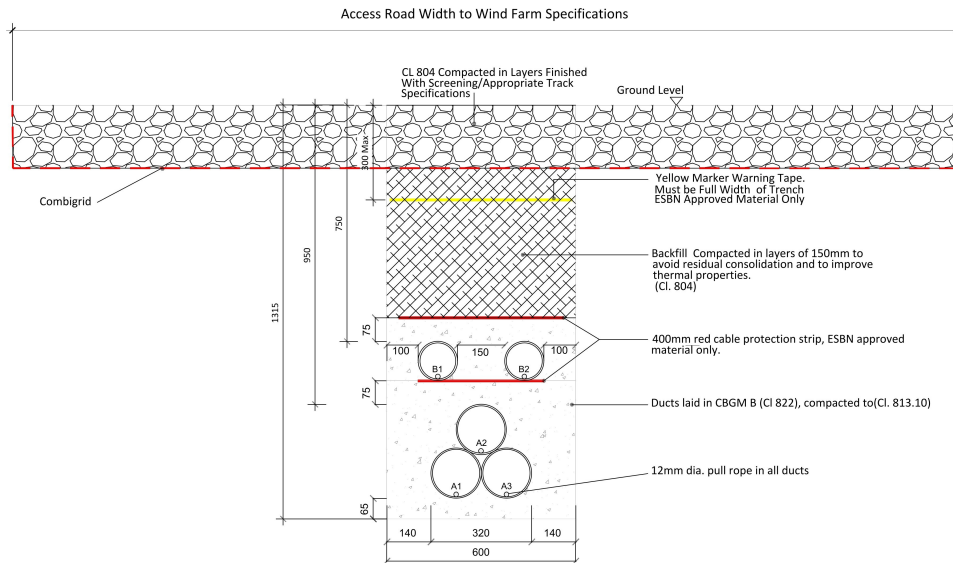
A=125mm O.D. HDPE ESB APPROVED DUCT, SDR=17.6
D=160mm O.D. HDPE ESB APPROVED DUCT, SDR=21
ALL DIMENSIONS IN MILLIMETERS

Trench Cross Section For 160mm Power Ducts In Trefoil Formation



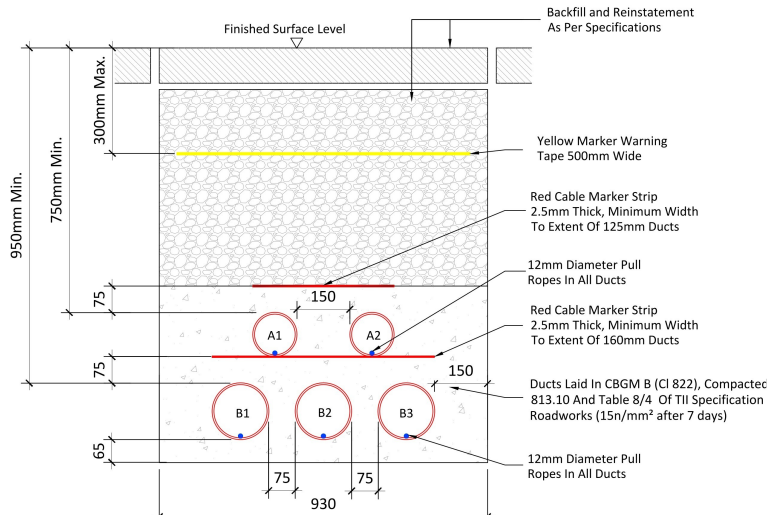
A=125mm O.D. HDPE ESB APPROVED DUCT, SDR=17.6
D=160mm O.D. HDPE ESB APPROVED DUCT, SDR=21
E=MIN 63mm O.D. HDPE ESB APPROVED DUCT, SDR=17.6
*DUCT TO BE USED FOR EARTH CONTINUITY CONDUCTOR
ALL DIMENSIONS IN MILLIMETERS

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



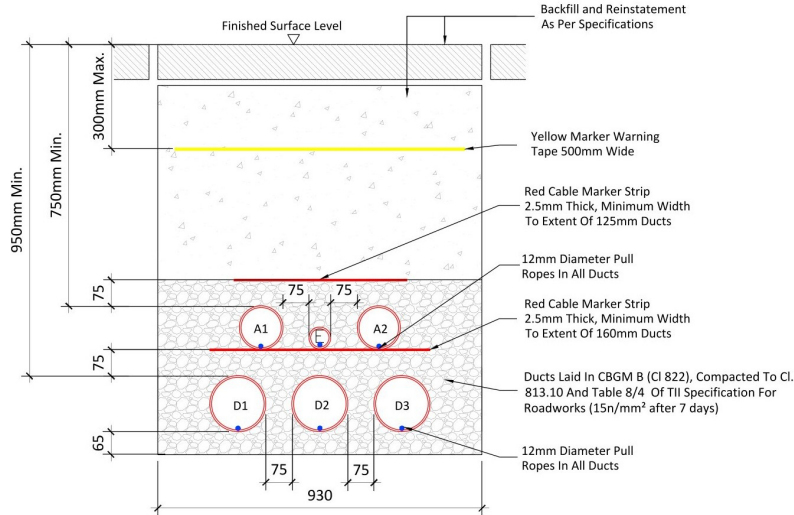
A = 160mm: Outer Diameter HDPE ESB Approved Duct, SDR=21 (Power) [ESB Code: 9317552]
B = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6 (Comms) [ESB Code: 9317552]

Typical Section Through 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 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=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



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Legend

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

Notes:

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

Client

CONSTANT ENERGY LIMITED.

Project

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

Title

TIRAWLEY WIND FARM,
CO. MAYO



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Jennings O'Donovan

Date	28/08/2025	Revision	1	Job No.	6289
Scale	NOT TO SCALE	Stage	Planning	Figure	2.21
Drawing	DT	Checked	MG	Approved	MG