A = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6 (Power) [ESB Code: 9317552] B = 63mm: ECC Earth Continuity Conductor [ESB Code: 9317552]

12mm dia. pull rope in all ducts

Typical Section Through Permanent Reinstatement of Longitudinal Opening in Roadway

SCALE 1:10

Temporary Reinstatement

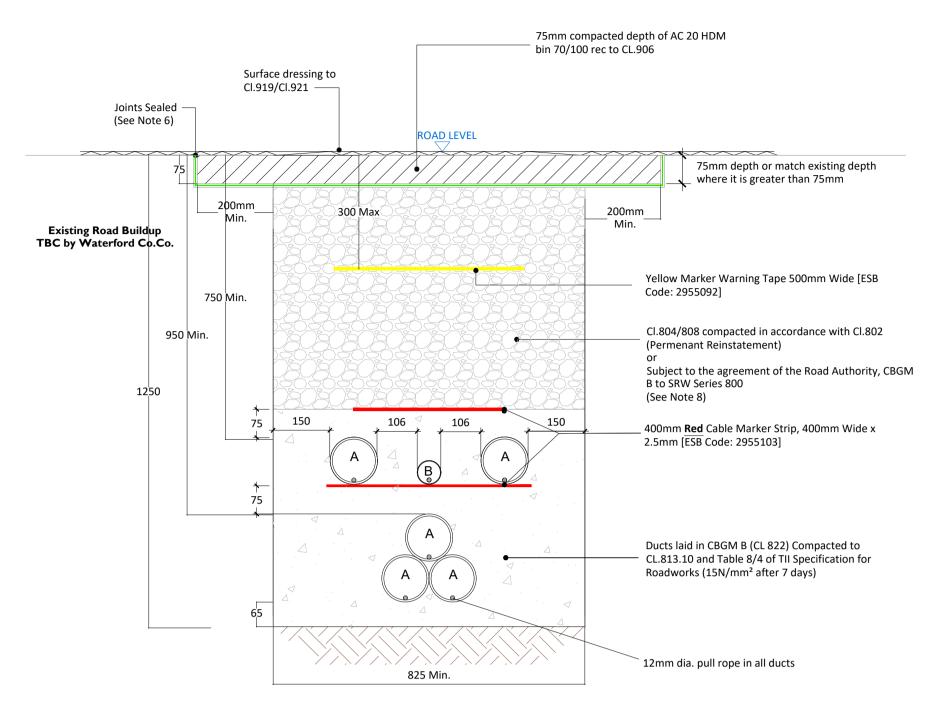
Reinstatement details based on Guidelines for Managing Openings in Public Roads - SD1

AC 20 Dense bin 70/100 rec - Depth: 100mm 50mm compacted depth of 14mm (nominal size) cold laid Bitmac to IS EN 13108 (delay set) - only with the road authority's approval AC 20 dense bin 70/100 rec - 80mm Depth Existing Road Buildup
TBC by Waterford Co.Co. Subject to the agreement of the Road Authority, CBGM B to SRW Series 800 750 Min Yellow Marker Warning Tape 500mm Wide [ESB Code: 2955092] 950 Min. Cl. 804/808 compacted in accordance with Cl.802 (Permenant Reinstatement) Subject to the agreement of the Road Authority, CBGM B to SRW Series 800 400mm Red Cable Marker Strip, 400mm Wide x 2.5mm [ESB Code: 2955103] 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)

B = 63mm: ECC Earth Continuity Conductor [ESB Code: 9317552]

Opening in Roadway

Reinstatement details based on Guidelines for Managing Openings in Public Roads - SD5

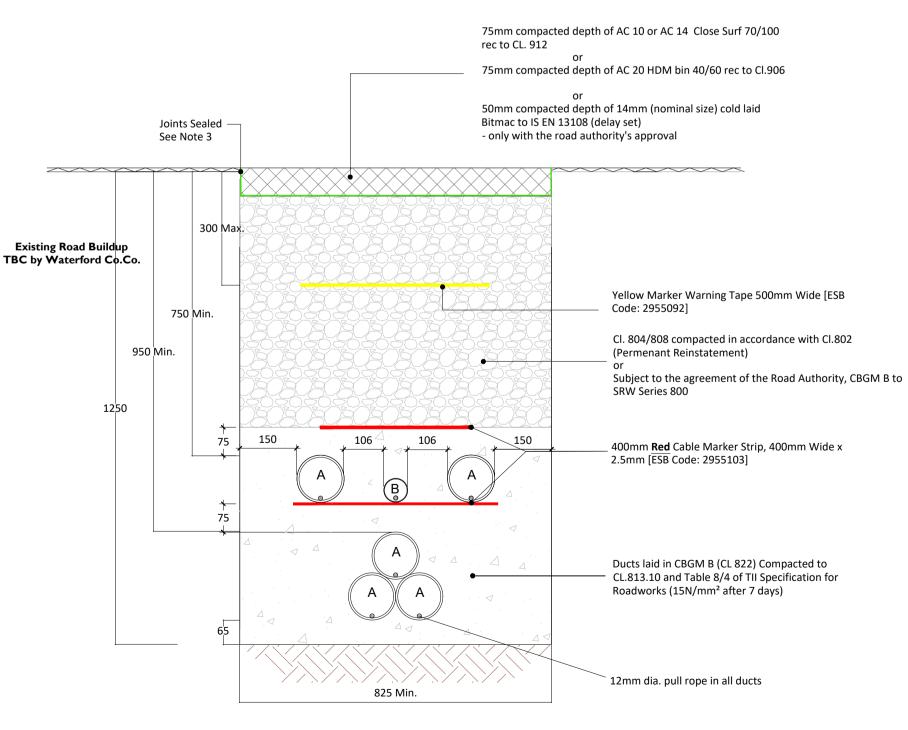


A = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6 (Power) [ESB Code: 9317552] B = 63mm: ECC Earth Continuity Conductor [ESB Code: 9317552]

Typical Section Through Permanent Reinstatement of Longitudinal **Opening in Dressed Rural Unbound Roadway**

SCALE 1:10

Reinstatement details based on Guidelines for Managing Openings in Public Roads - SD2



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

B = 63mm: ECC Earth Continuity Conductor [ESB Code: 9317552]

Typical Section Through Temporary Reinstatement of Longitudinal **Opening in Dressed Rural Unbound Roadway**

ACCORDANCE WITH LOCAL AREA ENGINEERS REQUIREMENTS AND GUIDELINES FOR MANAGING **OPENINGS IN PUBLIC ROADS**

ALL REINSTATEMENT WORKS ARE TO BE IN

- 1. All bound edges shall be saw cut to expose the full vertical thickness of each layer prior to excavation. All edges shall be essentially straight, smooth and vertical.
- 2. Where a temporary surface has been used, material shall be planed out to the depth specified in this drawing. The new permanent surface shall be machined laid and mechanically compacted with
- 3. Where the trimmed edge of excavation is within 400mm* of a joint / edge, ironwork or other reinstatement, this trimmed edge shall be extended to include same and the area of reinstatement shall be extended accordingly (* increase to 800mm where this is pre-existing practice).
- 4. Any damaged area adjacent to the opening and resulting from the excavation operation shall be included within the area to be reinstated.
- 5. Clause 808 or Cement Bound Granular Material surface to be sprayed per clause 920 prior to application of Asphalt Concrete Layer.
- 6. Joint sealer shall be a hot 50 pen bitumen binder or cold thixtropic bitumen 50 -70 pen to be applied to all vertical cuts in accordance with B.S.594987 prior to application of bituminous materials.
- 7. For roads without asphalt concrete surface (e.g. may be Cl.804 with double surface dressing), the road authority may as its discretion permit the temporary reinstatement surface of asphalt concrete to be regulated in lieu of excavation and reinstatement; and subsequently surface dressed.
- 8. Where required by the Road authority the trench may be reinstated with a Cement Bound Granular

ALL REINSTATEMENT WORKS ARE TO BE IN

ACCORDANCE WITH LOCAL AREA ENGINEERS

REQUIREMENTS AND GUIDELINES FOR MANAGING

OPENINGS IN PUBLIC ROADS

1. All bound edges shall be saw cut to expose the full vertical thickness of each layer prior to

2. Clause 808 surface to be sprayed per clause 920 prior to application of Asphalt Concrete Layer.

3. Joint sealer shall be a hot 50 pen bitumen binder or cold thixotropic bitumen 50-70 pen to be

. Licence holder must maintain temporary reinstatement to a safe and acceptable standard.

applied to all vertical cuts in accordance with B.S. 594987 prior to application of bituminous

Any damaged area adjacent to the opening and resulting from the excavation operation shall

Refer to detail Permanent Reinstatement of Road for advice on permanent reinstatement - all permanent reinstatement shall be carried out when adequate settlement has occurred as

6. Temporary Road Surface warning signs must be used in accordance with the Traffic Signs

Manual (Chaper 8 - Temporary Traffic Measures and Signs for Roadworks).

excavation. All edges shall be essentially straight, smooth and vertical.

be included within the area to be reinstated.

determined by the Road Authority.

Head Office Beenreigh, Abbeydorney Tralee, Co. Kerry

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Tel: 00 44 1256406664

PROJECT

Dyrick Hill Wind Farm 110kV Grid Connection

CLIENT



CONSULTANTS

specifications and reports

- The following design is subject to ESB approval and should not be • This drawing is to be read in conjunction with relevant drawings,
- Dimensions are in millimeters, unless noted otherwise. Drawings are not to be scaled use figured dimensions only.
- confirmed with Waterford Co.Co.
- Geogrid may be implemented along the cable trench route where deemed necessary by the contractor or as required by Waterford County Council / TII.

LEGEND:

ISSUE/REVISION

P1	28.11.22	Issued For Planning
P0	16.09.22	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-829

SHEET TITLE

Typical 110kV Ducting Through Regional / Local Roadways and Public Road Reinstatement

SHEET NUMBER

05829-DR-168

12mm dia. pull rope in all ducts 825 Min.

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

Typical Section Through Temporary Reinstatement of Longitudinal

SCALE 1:10

SCALE 1:10