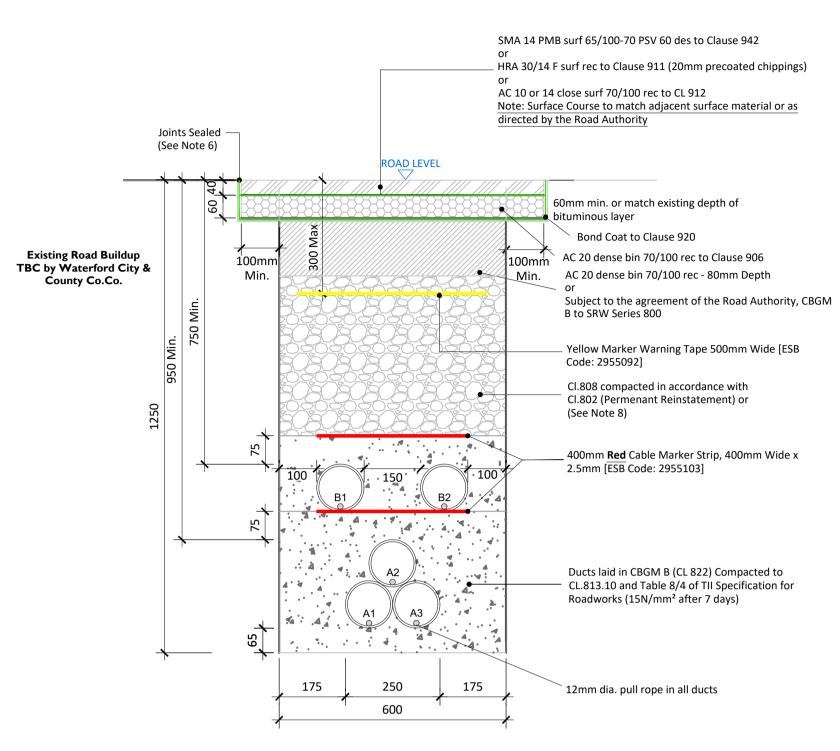
# **Permanent Reinstatement**

### Reinstatement details based on Guidelines for Managing Openings in Public Roads - SD4



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

### Typical Section Through Permanent Reinstatement of Longitudinal Opening in Roadway

**SCALE 1:10** 

## **Temporary Reinstatement**

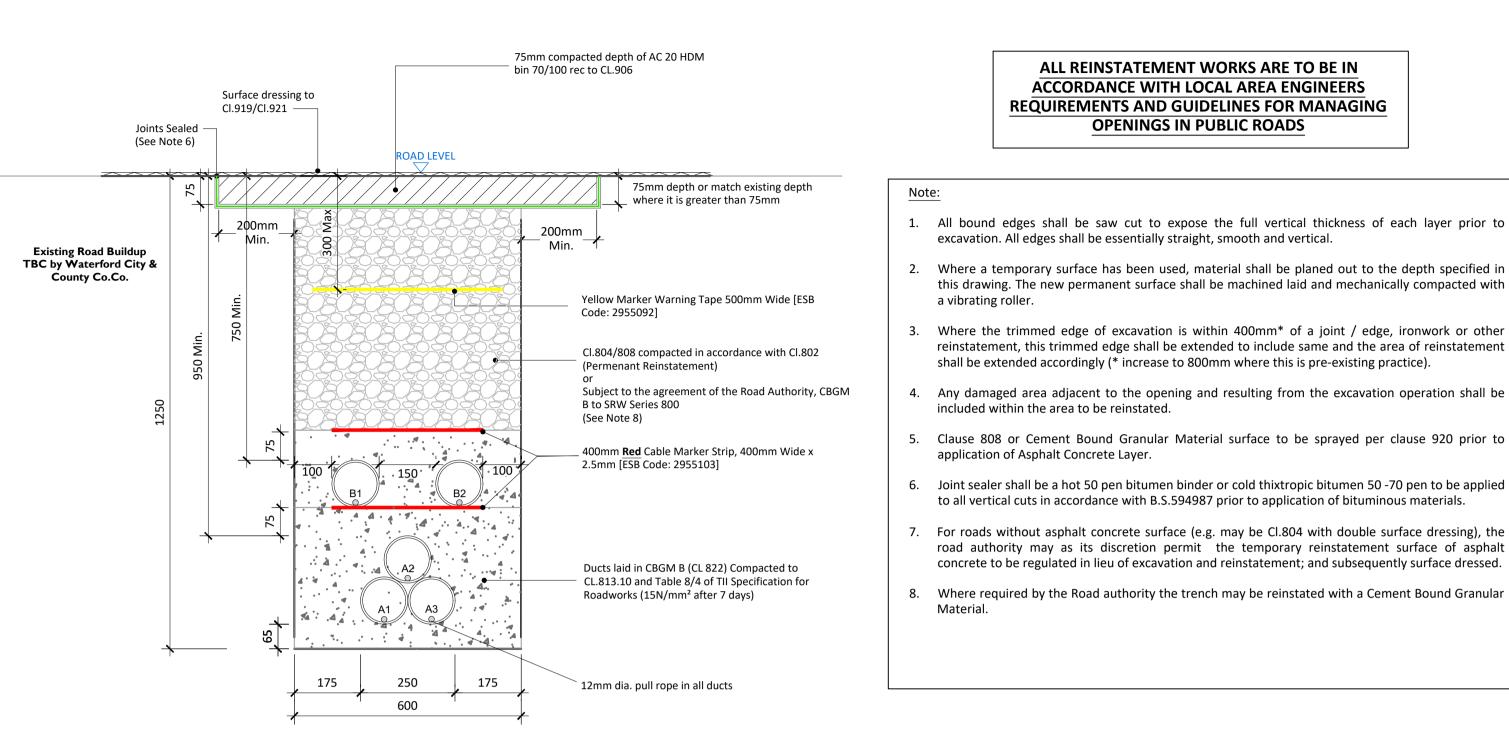
Reinstatement details based on Guidelines for Managing Openings in Public Roads - SD1

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 00 Existing Road Buildup TBC by Waterford City & Subject to the agreement of the Road Authority, CBGM County Co.Co. B to SRW Series 800 Yellow Marker Warning Tape 500mm Wide [ESB Code: 2955092] 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/mm<sup>2</sup> after 7 days) S. . . . 175 250 175 12mm dia. pull rope in all ducts 600 A = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6 (Power) [ESB Code: 9317552]

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

### **Typical Section Through Temporary Reinstatement of Longitudinal Opening in Roadway**

**SCALE 1:10** 



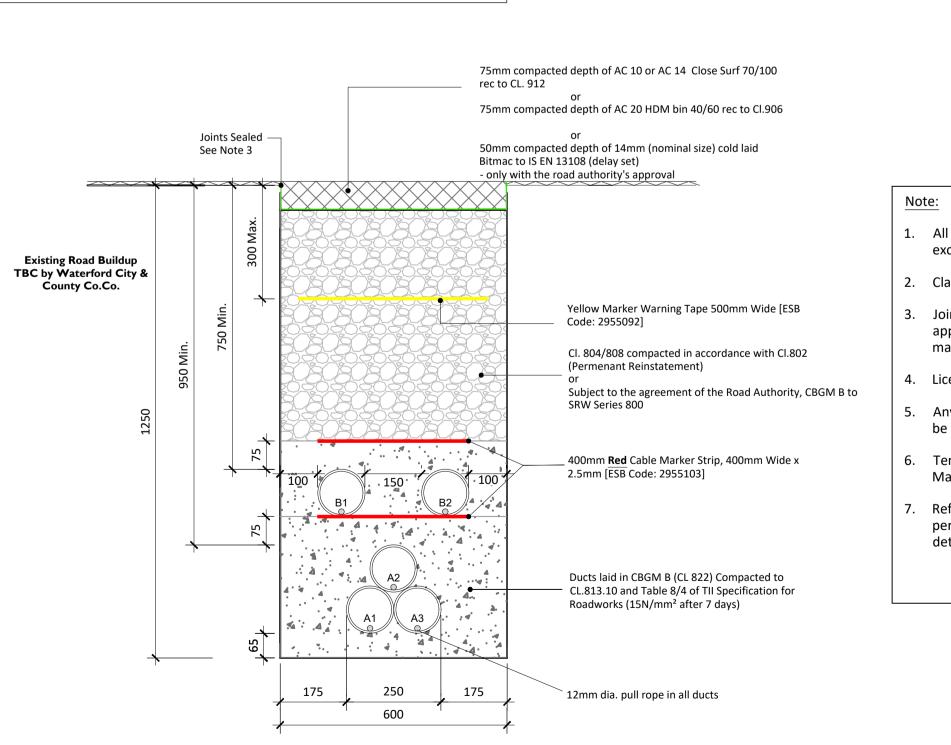
A = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6 (Power) [ESB Code: 9317552] B = 125mm: Outer Diameter HDPE ESB Approved Duct, SDR=17.6 (Comms) [ESB Code: 9317552]

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

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

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

**SCALE 1:10** 



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

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

ALL REINSTATEMENT WORKS ARE TO BE IN

- excavation. All edges shall be essentially straight, smooth and vertical.
- 2. Clause 808 surface to be sprayed per clause 920 prior to application of Asphalt Concrete Layer.
- applied to all vertical cuts in accordance with B.S. 594987 prior to application of bituminous materials.
- 1. Licence holder must maintain temporary reinstatement to a safe and acceptable standard.
- be included within the area to be reinstated.
- Manual (Chaper 8 Temporary Traffic Measures and Signs for Roadworks).
- determined by the Road Authority.

# ACCORDANCE WITH LOCAL AREA ENGINEERS **OPENINGS IN PUBLIC ROADS**

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

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

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

5. Clause 808 or Cement Bound Granular Material surface to be sprayed per clause 920 prior to

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.

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

### 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

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

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

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

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



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# PROJECT

**Coumnagappul Wind Farm** 110kV Grid Connection

CLIENT



#### CONSULTANTS

#### NOTES: -

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

LEGEND: -

### **ISSUE/REVISION**

P1	13.01.2023	Issued For Planning
I/R	DATE	DESCRIPTION

#### PROJECT NUMBER

05-828

SHEET TITLE

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

#### SHEET NUMBER

05828-DR-150