TO BE CONFIRMED BY

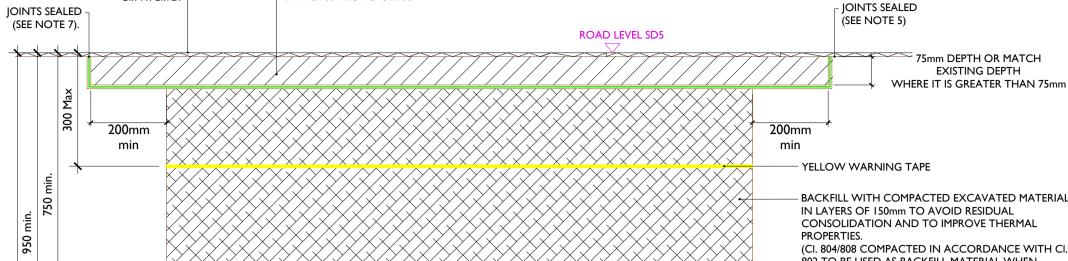
**COUNTY COUNCIL** 

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

**EXISTING ROAD BUILD-UP** TO BE CONFIRMED BY **COUNTY COUNCIL** 

SURFACE DRESSING TO

CI.919/CI.921



- 75MM COMPACTED DEPTH OF AC 20 HDM

BIN 70/100 REC TO CL.906

BACKFILL WITH COMPACTED EXCAVATED MATERIAL (CI. 804/808 COMPACTED IN ACCORDANCE WITH CI. 802 TO BE USED AS BACKFILL MATERIAL WHEN NEAREST POINT OF TRENCH IS WITHIN ONE METER OF PAVED EDGE OF A NATIONAL/REGIONAL ROAD.) YELLOW WARNING TAPE 3 No. 110mm OUTER DIAMETER uPVC COMMS DUCT COMPLETE WITH 12mm DIAMETER DRAW ROPE

3 No. I 10mm OUTER DIAMETER uPVC EARTH CONTINUITY DUCT COMPLETE WITH 12mm DIAMETER DRAW ROPE DUCTS LAID IN CBGM B (CL 822) COMPACTED TO CL.813.10 AND TABLE 8/4 OF T.I.I. SPECIFICATION

FOR ROADWORKS (15 N/MM<sup>2</sup> AFTER 7 DAYS) 9 No. 125mm OUTER DIAMETER uPVC MV

POWER DUCT COMPLETE WITH 12mm DIAMETER DRAW ROPE

125

9. On highly trafficked roads services must have a minimum cover of

with a Cement Bound Granular Material.

ALL REINSTATEMENT WORKS ARE TO BE IN **ACCORDANCE WITH LOCAL AREA ENGINEERS REQUIREMENTS AND GUIDELINES FOR** 

MANAGING OPENINGS IN PUBLIC ROADS

I. Refer to Guidelines for managing Openings in Public Roads (Purple Book - April 2017), Chapter 6 'Specifications' for guidance on Duct type / colour and Marker Tape type / colour.

each layer prior to excavation. All edges shall be essentially straight, smooth and vertical.

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 a vibrating roller.

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

Any damaged area adjacent to the opening and resulting from the excavation operation shall be included within the area to be reinstated.

Clause 808 or Cement Bound Granular Material surface to be sprayed per clause 920 prior to application of Asphalt Concrete Layer.

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.

8. 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

10. Where required by the Road authority the trench may be reinstated

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

A = 125mm: Outer Diameter Power Duct,

B = 110mm: Outer Diameter Comms Duct,

C = I I 0mm: Outer Diameter ECC Duct

SCALE 1:10

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

A = 125mm: Outer Diameter Power Duct,

B = 110mm: Outer Diameter Comms Duct,

C = 110mm: Outer Diameter ECC Duct

SCALE I:10

YELLOW WARNING TAPE

DRAW ROPE

3 No. 110mm OUTER DIAMETER uPVC COMMS

3 No. 110mm OUTER DIAMETER uPVC EARTH

– DUCTS LAID IN CBGM B (CL 822) COMPACTED TO CL.813.10 AND TABLE 8/4 OF T.I.I. SPECIFICATION

CONTINUITY DUCT COMPLETE WITH 12mm

FOR ROADWORKS (15 N/MM<sup>2</sup> AFTER 7 DAYS)

9 No. 125mm OUTER DIAMETER uPVC MV

POWER DUCT COMPLETE WITH 12mm

DIAMETER DRAW ROPE

125

125 100

DUCT COMPLETE WITH 12mm DIAMETER

## **Temporary Reinstatement**

Reinstatement details based on Guidelines for Managing Openings in Public Roads - SDI **EXISTING ROAD BUILD-UP** AC 20 DENSE BIN 70/100 REC - DEPTH: 100mm TO BE CONFIRMED BY **COUNTY COUNCIL** 50mm COMPACTED DEPTH OF 14mm (NOMINAL SIZE) COLD LAID BITMAC TO IS EN 13108 (DELAY SET) JOINTS SEALED ROAD LEVEL SDI (SEE NOTE 4)

ONLY WITH THE ROAD AUTHORITY'S APPROVAL AC 20 DENSE BIN 70/100 REC - 80MM DEPTH HEAVILY TRAFFICKED ROAD - 250MM SUBJECT TO THE AGREEMENT OF THE ROAD AUTHORITY, CBGM B TO SRW SERIES 800 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 3 No. 110mm OUTER DIAMETER uPVC COMMS DUCT COMPLETE WITH 12mm DIAMETER C 3 No. I 10mm OUTER DIAMETER uPVC EARTH CONTINUITY DUCT COMPLETE WITH 12mm DIAMETER DRAW ROPE DUCTS LAID IN CBGM B (CL 822) COMPACTED TO CL.813.10 AND TABLE 8/4 OF T.I.I. SPECIFICATION FOR ROADWORKS (15 N/MM<sup>2</sup> AFTER 7 DAYS) 9 No. 125mm OUTER DIAMETER uPVC MV POWER DUCT COMPLETE WITH 12mm

> A = 125mm: Outer Diameter Power Duct, B = 110mm: Outer Diameter Comms Duct, C = I I 0mm: Outer Diameter ECC Duct

1550

125

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

SCALE 1:10

125

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

**EXISTING ROAD BUILD-UP** TO BE CONFIRMED BY 75mm COMPACTED DEPTH OF AC 20 HDM BIN 40/60 REC TO CL.906 **COUNTY COUNCIL** 50mm COMPACTED DEPTH OF 14mm (NOMINAL SIZE) COLD LAID BITMAC TO IS EN 13108 (DELAY SET) - ONLY WITH THE ROAD AUTHORITY'S APPROVAL JOINTS SEALED -(SEE NOTE 4) **ROAD LEVEL SD2** YELLOW WARNING TAPE 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 YELLOW WARNING TAPE 3 No. 110mm OUTER DIAMETER uPVC COMMS DUCT COMPLETE WITH 12mm DIAMETER - 3 No. I I0mm OUTER DIAMETER uPVC EARTH CONTINUITY DUCT COMPLETE WITH I2mm DIAMETER DRAW ROPE DUCTS LAID IN CBGM B (CL 822) COMPACTED TO CL.813.10 AND TABLE 8/4 OF T.I.I. SPECIFICATION FOR ROADWORKS (15 N/MM<sup>2</sup> AFTER 7 DAYS) 9 No. 125mm OUTER DIAMETER uPVC MV POWER DUCT COMPLETE WITH 12mm DIAMETER DRAW ROPE 125 125 125 125 | 100

1550

A = 125mm: Outer Diameter Power Duct,

B = 110mm: Outer Diameter Comms Duct,

75mm COMPACTED DEPTH OF AC 10 OR AC 14 CLOSE SURF 70/100 REC TO

C = 110mm: Outer Diameter ECC Duct Typical Section Through Temporary Reinstatement of Longitudinal **Opening in Dressed Rural Unbound Roadway** 

**SCALE 1:10** 

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

I. Refer to 'Guidelines for managing Openings in Public Roads (Purple Book - April 2017)', Chapter 6 'Specifications' for guidance on Duct

type / colour and Marker Tape type / colour.

2. 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.

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

4. Joint sealer shall be a hot 50 pen bitumen binder or cold thixotropic bitumen 50-70 pen to be applied to all vertical cuts in accordance with B.S. 594987 prior to application of bituminous materials.

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

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

7. Temporary Road Surface warning signs must be used in accordance with the Traffic Signs Manual (Chaper 8 - Temporary Traffic Measures and Signs for Roadworks).

8. 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 determined by the Road Authority.

110kV Substation All bound edges shall be saw cut to expose the full vertical thickness of

**CLIENT** 

**Head Office** 

Abbeydorney

**PROJECT** 

Tralee, Co. Kerry

Tel: 00353 66 7135710

Shancloon

Beenreigh,



**Regional Office** 

RG24 8UP, UK

Tel: 00 44 1256406664

Hampshire,

**Basepoint Business Centre** 

Stroudley Road, Basingstoke

CONSULTANTS

**NOTES: -**

• This design is subject to approval and should not be used for

• 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 County Council.

LEGEND: -

**ISSUE/REVISION** 

P00	17.07.25	Issued for Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-1021

SHEET TITLE

Typical Triple Circuit Section Through Regional / Local Roadways

SHEET NUMBER

051021-DR-304