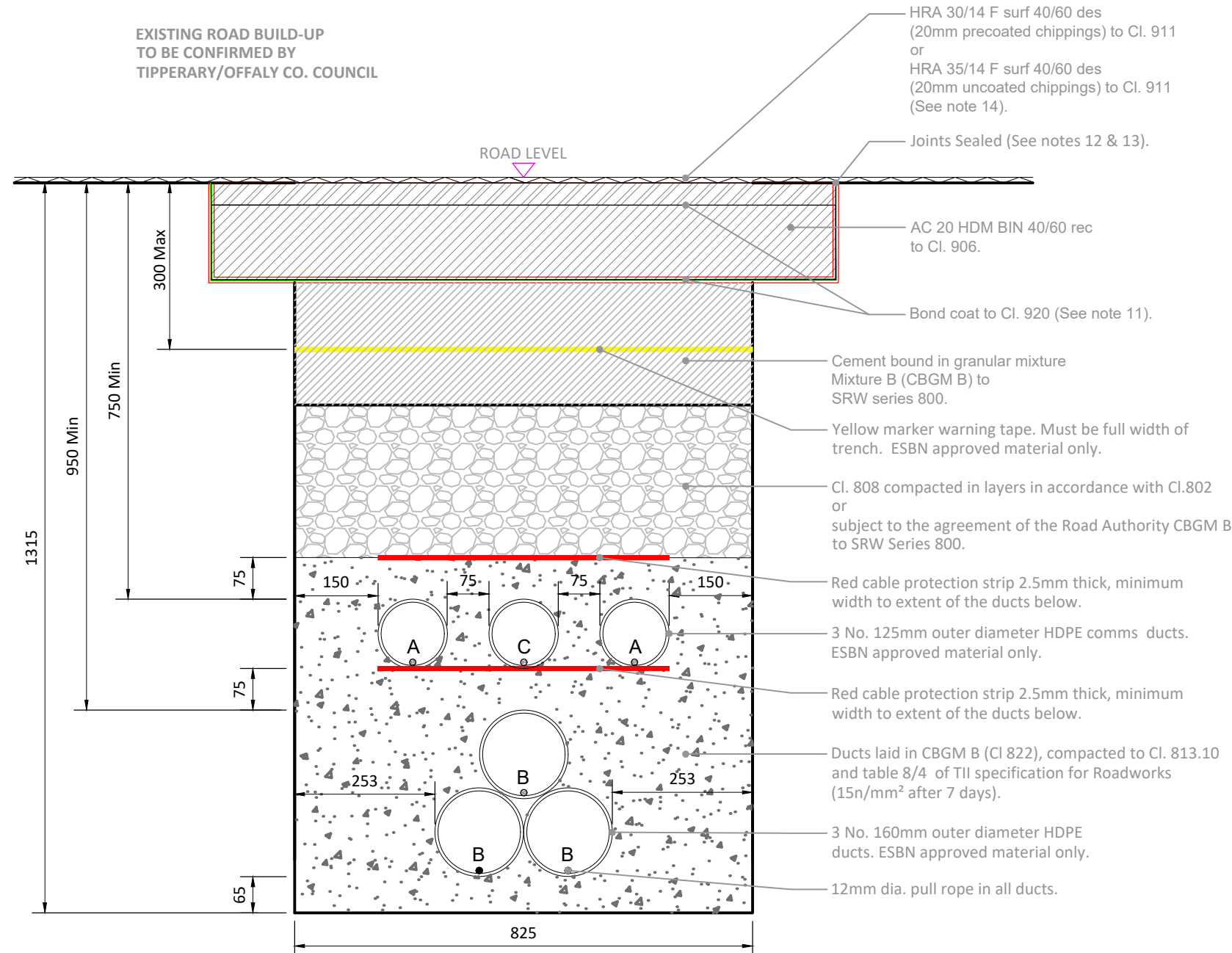


Reinstatement details based on Guidelines for Managing Openings in Public Roads - SD6



A = 125mm: Outer Diameter HDPE ESB Approved Comms Duct, SDR = 17.6  
 B = 160mm: Outer Diameter HDPE ESB Approved Power Duct, SDR = 21  
 C = 125mm: Outer Diameter HDPE ESB Approved ECC Duct, SDR = 17.6

### Typical Section Through Permanent Reinstatement of Longitudinal Opening in Heavily Trafficked/Regional Roadway

SCALE 1:10

Notes:

- Please note that this is drawing for planning and is not to 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.
- 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.
- 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.
- As a minimum the reinstatement layer shall match existing bound AC layers or depths shown.
- 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.
- The above surface and binder courses and CBGM road base can be replaced by 40mm rolled Asphalt Surface Course to Clause 911 on 60mm deep asphalt concrete base course to Clause 906 on 200mm of asphalt concrete road base (40mm nominal size) to Clause 903.
- 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).
- 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 40/60 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.
- Joints sealed with hot bitumen and topped with fine sand/grit to get a minimum 55 skid resistance value as determined by the Portable Skid Resistance Pendulum used in accordance with Road Note 16 and shall not exceed 3mm depth and 50mm width or other method approved by the road authority.
- Surface course to match existing surfaces unless otherwise directed by road authority.
- The coarse aggregate in the asphalt concrete surface course shall have a polished stone value of not less than 60.
- Cycle lane to be reinstated to match existing surfaces (where applicable). (See Guidelines for Managing Openings in Public Roads Cha. 5).
- Any damaged area adjacent to the opening and resulting from the excavation operation shall be included within the area to be reinstated.
- The contractor shall provide test certificates confirming that the thermal resistivity of CBGM is maximum 1K.m/W.

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



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CLIENT



PROJECT

Ballincor WF  
 110 kV Grid Connection

PROJECT NUMBER  
 05-867

SHEET NUMBER  
 05867-DR-205

SHEET TITLE

110 kV Cable Ducts in Local Road  
 Permanent Reinstatement to SD6

DRAWING STATUS  
 For Planning

ISSUE/REVISION

I/R	DATE	DESCRIPTION
P2	07.07.2025	Issued for Planning
P1	16.08.2024	Issued for Planning