

PROJECT

Coumragappul 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 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.

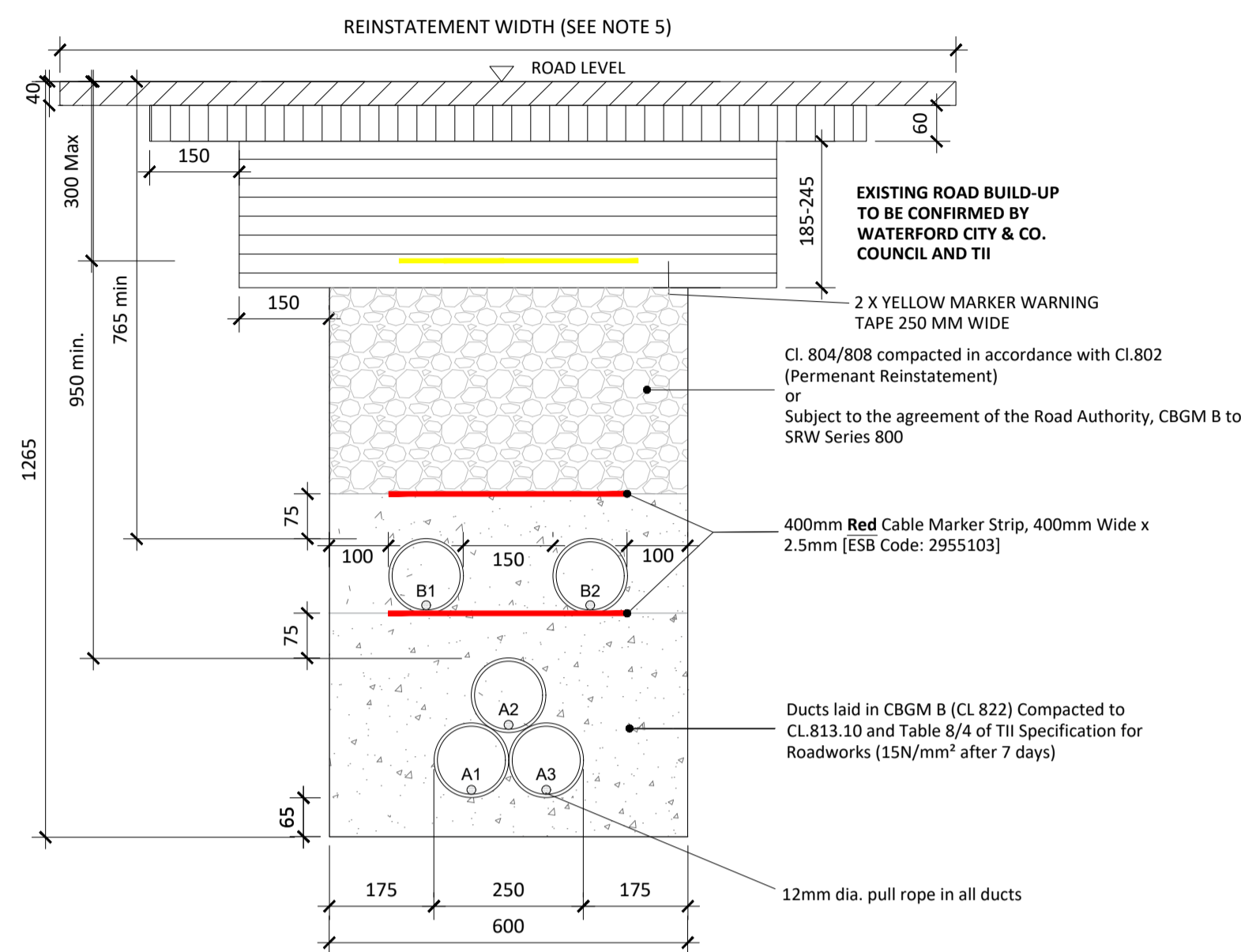
LEGEND: -

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

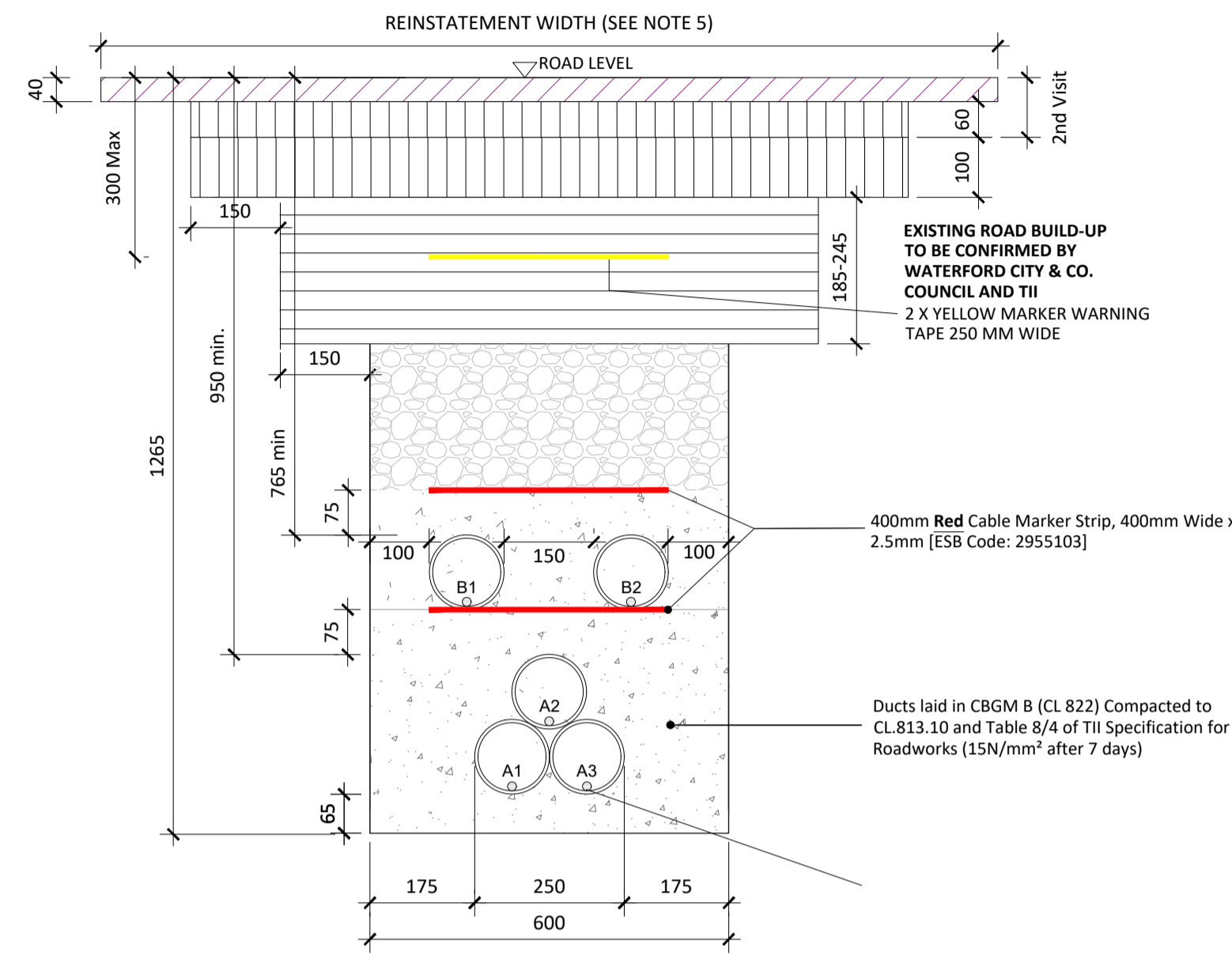
NOTES:

Ref. Specification for the reinstatement of openings in National Roads CC-SPW04007

- Sub-base in accordance with appendix A3.3
- AC surface course not permitted on high speed roads (refer to A2.3).
- Where 10mm PMSMA is used on the surface course the thickness is reduced to 30mm and the binder course increased accordingly.
- Refer to figure S6.4 for further details on surface course reinstatement and stepped joints at binder course level
- Refer to figure A3.4 of this appendix for details on reinstatement requirements at locations where existing surface course material is greater than 5 years old.
- For alternative reinstatement materials refer to appendix A9
- This drawing is to be read in conjunction with relevant drawings, specifications and reports.
- Duct and cable sizing to be confirmed as part of detailed design.
- 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 & Co.Co. / TII
- Where required by the Road authority the trench may be reinstated with a Cement Bound Granular Material.
- Cable spacing to be confirmed as part of Cable Rating Study



A = 125mm: Outer Diameter HDPE Duct, SDR=17.6 (Power)
 B = 125mm: Outer Diameter HDPE Duct, SDR=17.6 (Comms)



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All Permanent Reinstatement (Flexible Road)
 SCALE 1:10

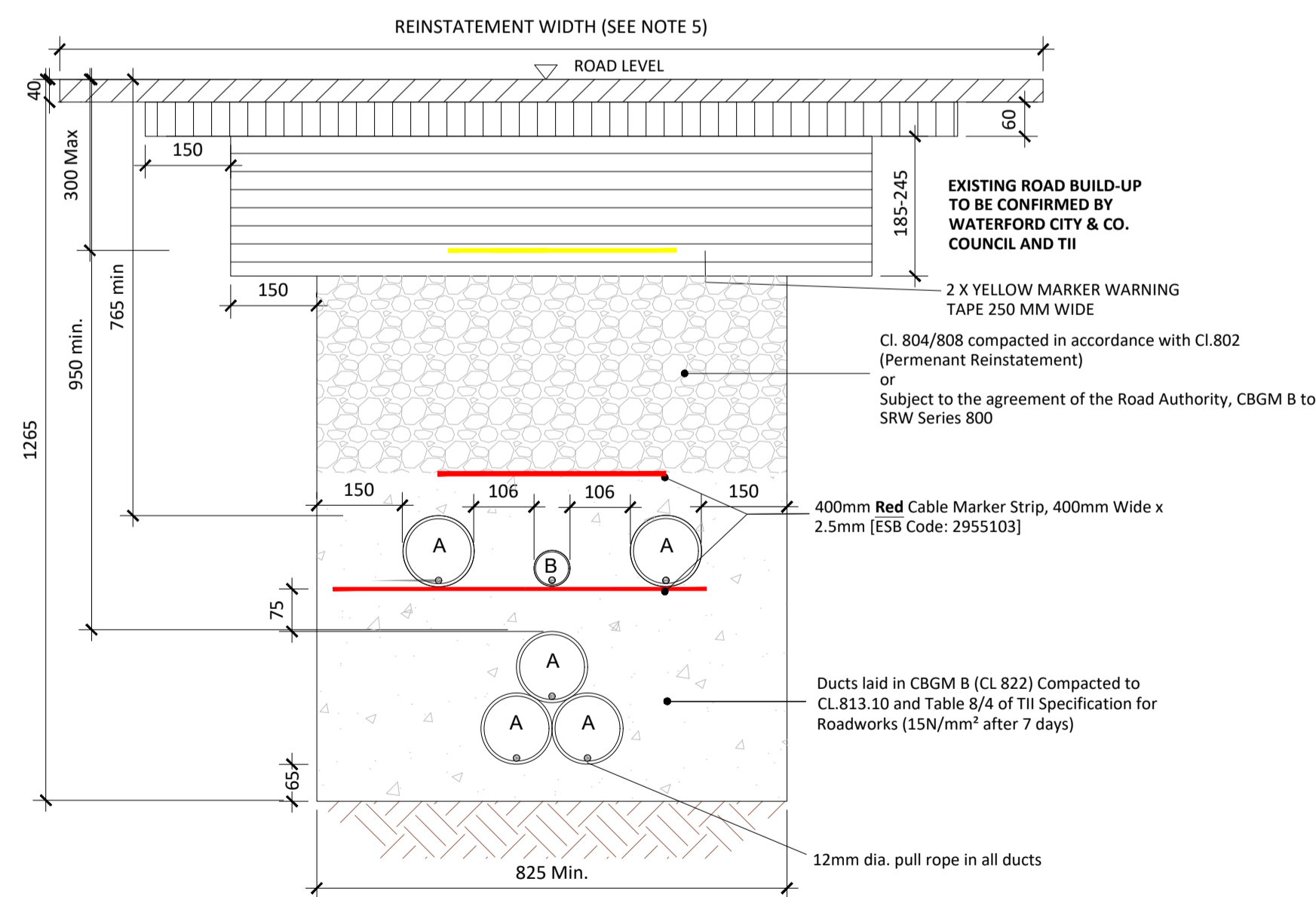
Permanent Binder Course Reinstatement (Flexible Road)
 SCALE 1:10

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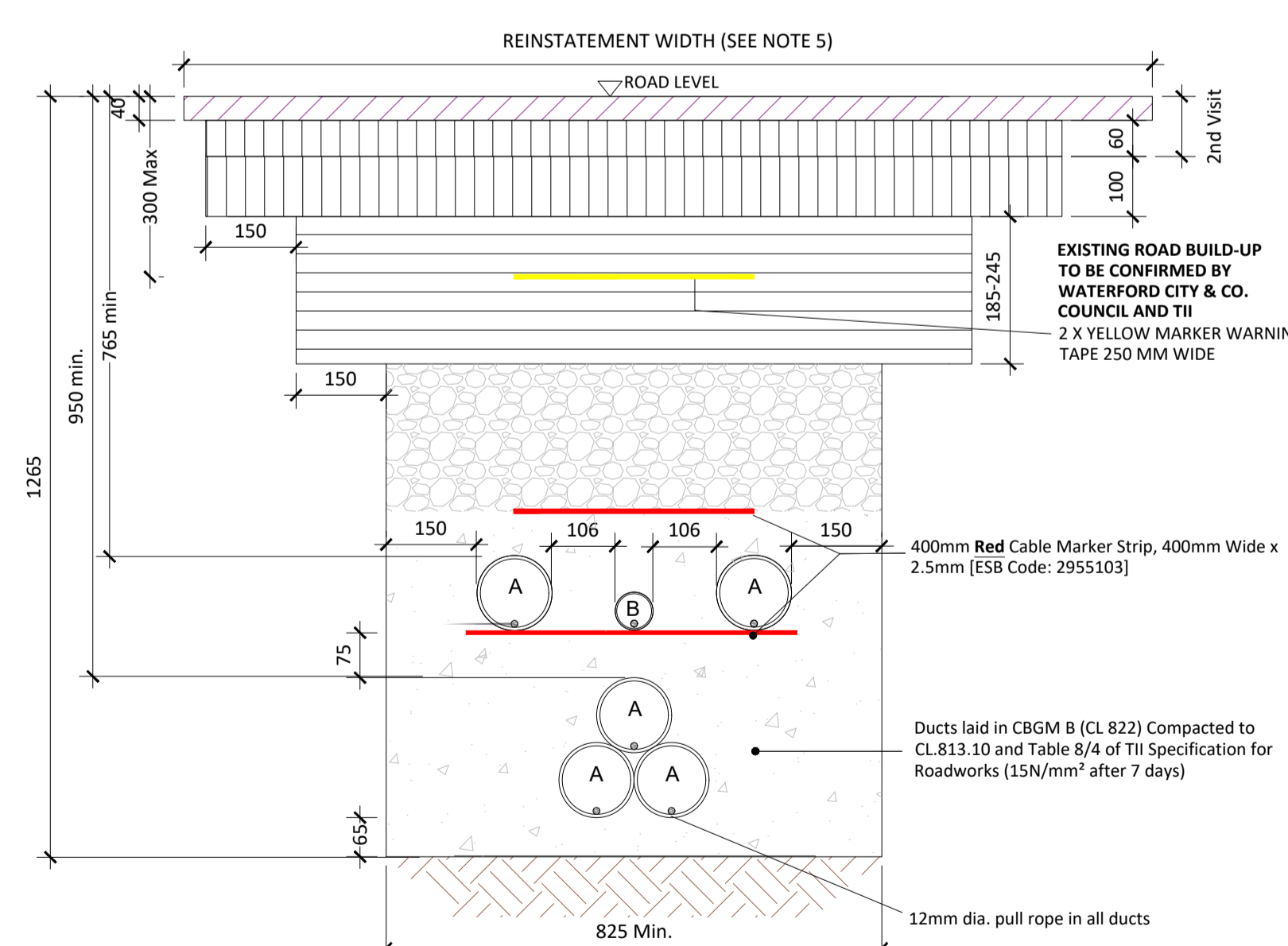
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All Permanent Reinstatement (Flexible Road)
- With Earth Continuity Conductor

SCALE 1:10

Permanent Binder Course Reinstatement (Flexible Road)
- With Earth Continuity Conductor

SCALE 1:10

ISSUE/REVISION

NO	DATE	DESCRIPTION
P2	30.08.2023	Issued For Planning
P1	13.01.2023	Issued For Planning
I/R	DATE	DESCRIPTION

PROJECT NUMBER

05-828

SHEET TITLE

Typical 110kV Ducting Through National Roadways and Public Road Reinstatement

SHEET NUMBER

05828-DR-199