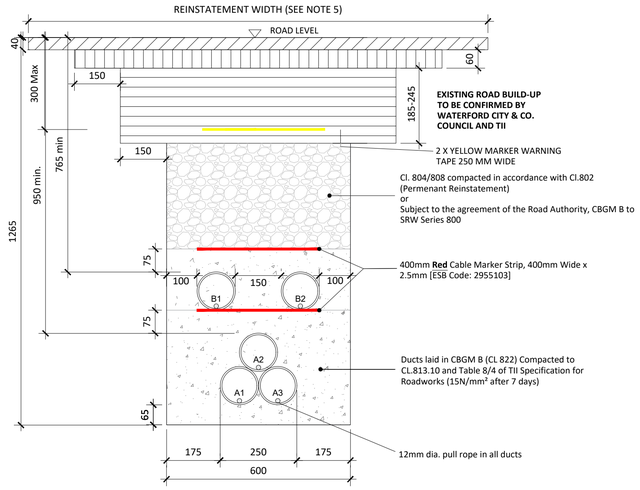
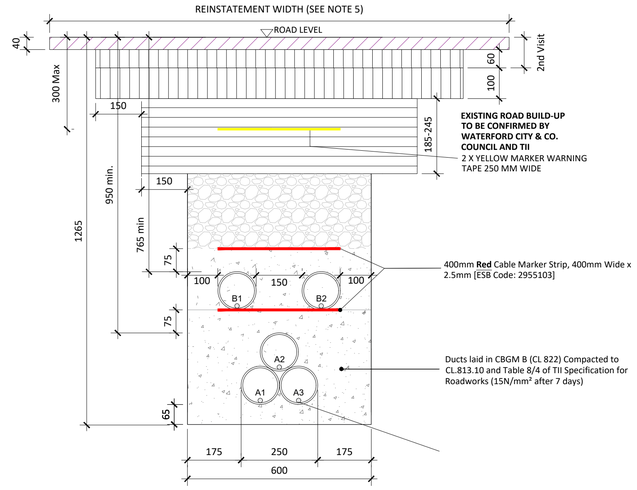
ISO A1 594mm x 841mm



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

All Permanent Reinstatement (Flexible Road)

SCALE 1:10



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

Permanent Binder Course Reinstatement (Flexible Road)

SCALE 1:10

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

NOTES:

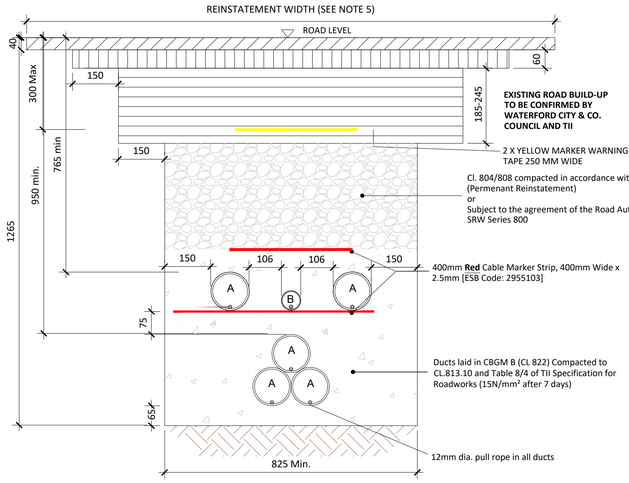
Ref. Specification for the reinstatement of openings in National Roads CC-SPW04007

1. Sub-base in accordance with appendix A3.3
2. AC surface course not permitted on high speed roads (refer to A2.3).
3. Where 10mm PMSMA is used on the surface course the thickness is reduced to 30mm and the binder course increased accordingly.
4. Refer to figure S6.4 for further details on surface course reinstatement and stepped joints at binder course level
5. 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.
6. For alternative reinstatement materials refer to appendix A9
7. This drawing is to be read in conjunction with relevant drawings, specifications and reports.
8. Duct and cable sizing to be confirmed as part of detailed design.
9. Dimensions are in millimeters, unless noted otherwise. Drawings are not to be scaled use figured dimensions only.
10. Existing road build up and reinstatement requirements to be confirmed with Waterford City & Co.Co. / TII
11. Where required by the Road authority the trench may be reinstated with a Cement Bound Granular Material.
12. Cable spacing to be confirmed as part of Cable Rating Study

HRASC (Hot Rolled Asphalt Surface Course)
ACSC (Asphalt Concrete Surface Course)-See note 2
PMSMA (Polymer Modified Stone Mastic Asphalt)-See note 3

AC BIN (Asphalt Concrete Binder Course)

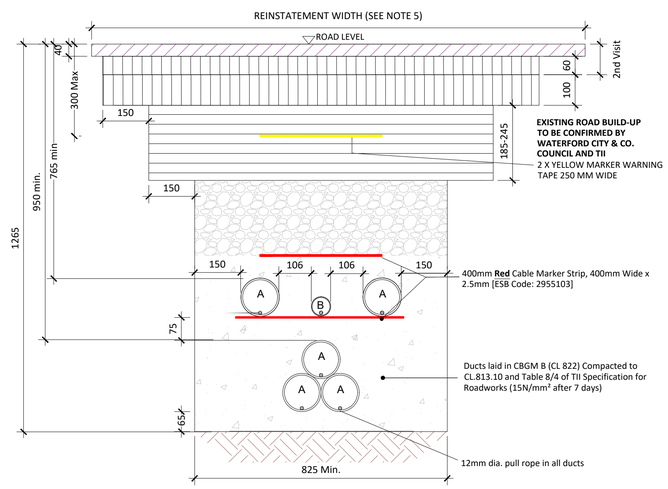
AC BASE (Asphalt Concrete Base Course)



A = 125mm: Outer Diameter HDPE Duct, SDR=17.6 (Power)
B = 63mm: Outer Diameter HDPE Duct, SDR=17.6 (Comms)

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

SCALE 1:10



A = 125mm: Outer Diameter HDPE Duct, SDR=17.6 (Power)
B = 63mm: Outer Diameter HDPE Duct, SDR=17.6 (Comms)

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

SCALE 1:10

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11. Where required by the Road authority the trench may be reinstated with a Cement Bound Granular Material.
12. Cable spacing to be confirmed as part of Cable Rating Study

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ACSC (Asphalt Concrete Surface Course)-See note 2
PMSMA (Polymer Modified Stone Mastic Asphalt)-See note 3

AC BIN (Asphalt Concrete Binder Course)

AC BASE (Asphalt Concrete Base Course)

Project Management Initials: Designer: AF Checked: DB Approved: RG

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PROJECT

Dyrick Hill Wind Farm

110kV Grid Connection

CLIENT

EMPower

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: -

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 National Roadways and Public Road Reinstatement

SHEET NUMBER

05829-DR-169