



NOTES:

1. PAVEMENT REPAIR DIMENSIONS

- A) GENERALLY RECTANGULAR IN SHAPE.
- B) MINIMUM DIMENSION OF CUT REPAIR BOUNDING A JOINT OR PAVEMENT EDGE SHALL BE 2.0 m.
- C) MINIMUM DIMENSION OF AN INTERIOR PATCH SHALL BE 1.2 m WITH A MINIMUM CLEARANCE FROM A JOINT OR PAVEMENT EDGE OF 1.2 m.
- D) FOR PAVEMENT PATCHING DIMENSIONS, REFER TO UTILITY CUT REPAIR GUIDELINES.

2. ALL CONCRETE PAVEMENTS THAT ARE 200 mm THICK OR MORE AND UNLESS BONDED BY AN EXISTING PAVEMENT JOINT, IF SPECIFIED IN THE CONTRACT DOCUMENTS, SHALL HAVE PATCHES PROVIDED WITH LOAD TRANSFER BY INSERTING 30 mm x 450 mm EPOXY COATED SMOOTH DOWEL BARS. DRILL 35 mm HOLES, 225 mm DEEP INTO EXISTING CONCRETE, AND GROUT THE BARS USING A QUICK SETTING MORTAR.

FOR TRANSVERSE UTILITY CUTS, USE DOWELS SPACED AT 300 mm CENTRES.
FOR LONGITUDINAL CUTS, USE ANCHOR HOOK BOLT DOWELS SPACED AT 600 mm CENTRES.

3. ON LOCAL RESIDENTIAL CONCRETE PAVEMENTS OR AT LOCATIONS SPECIFICALLY APPROVED BY THE CITY, AGGREGATE INTERLOCK OR A FORMED KEY FOR LOAD TRANSFER ALONG THE EDGES OF THE PATCH MAY BE ALLOWED.

4. FOR ASPHALT DEPTHS, REFER TO PAVEMENT STRUCTURAL DESIGN MATRIX.

All dimensions are in millimetres unless otherwise shown.



ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

REV 4

JAN 2019

COMPOSITE PAVEMENT PATCHING
FOR UTILITY CUTS

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