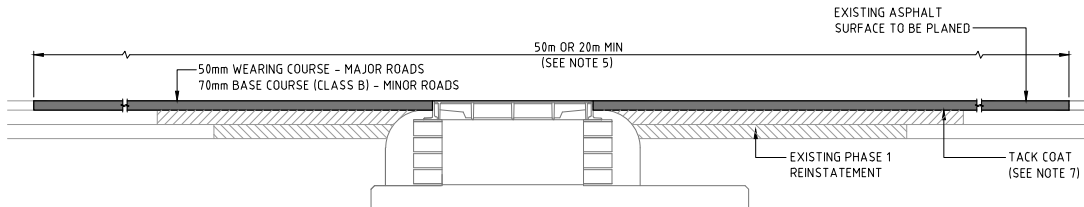
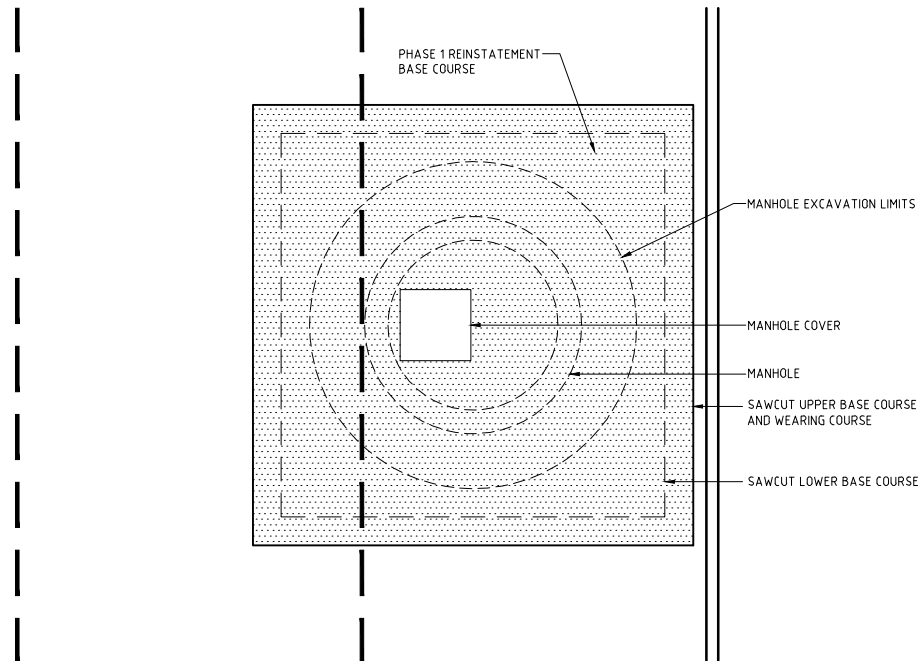


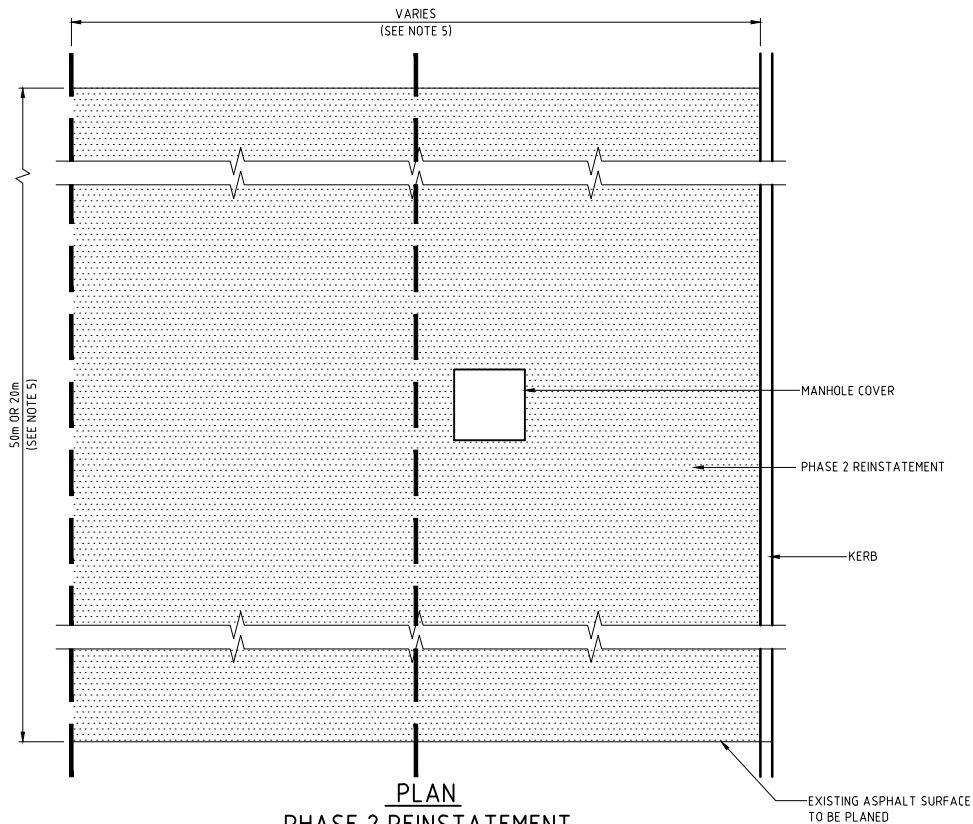
PHASE 1 REINSTATEMENT



PHASE 2 REINSTATEMENT



PLAN
PHASE 1 REINSTATEMENT



PLAN
PHASE 2 REINSTATEMENT

NOTES:

PHASE 1 REINSTATEMENT:

- FOR EXCAVATION WIDTH OF 15m OR LESS (MEASURED FROM FACE OF EXCAVATION TO FACE OF MANHOLE), ALL BACKFILL WITHIN 1m FROM THE FINISHED ROAD LEVEL (FRL), SHALL BE:
 - CONTROLLED LOW STRENGTH MATERIAL (CLSM) (0.3 N/mm² TO 2.5 N/mm²).
 - OR FOAM CONCRETE (5 N/mm²).
 - OR FTB-FLUIDIZED THERMAL BACKFILL (5 N/mm²).
 - OR SRC 20 CONCRETE FOR SHALLOW TRENCH WITH SRC 20 UTILITY SURROUND.

AS DIRECTED BY THE ENGINEER, (UP TO THE BOTTOM OF BASE COURSE LEVEL).

- FOR BACKFILL BELOW 1 METER FROM FRL, SELECTED FILL MATERIALS SHALL BE USED IN CONFORMANCE WITH QCS.
- FOR NARROW BACKFILL WIDTH, IT IS RECOMMENDED TO USE SAME BACKFILL MATERIALS AS SPECIFIED IN NOTE 1.
- BASE COURSE TO BE TWO LAYERS OF 75mm FOR MAJOR ROADS OR ONE LAYER OF 90mm FOR MINOR ROADS. IF EXISTING BASE COURSE IS GREATER THEN SPECIFIED, USE THE EXISTING BASE COURSE THICKNESS.

PHASE 2 REINSTATEMENT:

- THE MINIMUM LENGTH OF LONGITUDINAL PHASE 2 REINSTATEMENT, FOR ANY ROAD CUTTINGS, SHALL BE 50m FOR MAJOR ROADS WITH THREE LANES, OR 20m FOR ALL OTHER ROADS. THE MINIMUM WIDTH (TRANSVERSE) SHALL COVER THE FULL WIDTH OF THE TRAFFIC LANE, PARKING LANE, OR HARD SHOULDER AFFECTED.
- ALL BITUMINOUS REINSTATEMENT SHALL BE MACHINE LAID, JOINTS SHALL BE VERTICAL AND SAW CUT, AND USING ONLY APPROVED CLASS A ROAD CONTRACTORS FOR MAJOR ROADS AND CLASS A OR B ROAD CONTRACTORS FOR MINOR ROADS.

GENERAL:

- ALL SURFACES SHALL BE FREE OF CONTAMINATION PRIOR TO APPLICATION OF TACK COAT.
- CARE TO BE TAKEN WHEN CUTTING SURFACE LAYERS TO AVOID UNDUE DAMAGE TO RUNNING SURFACE. CUTTING BY USE OF ASPHALT SAW AND OR PLANER.
- CUTBACK CONSTRUCTION JOINTS SHALL NOT BE WITHIN WHEEL PATHS. CUTBACK DISTANCE MAY BE EXPANDED TO TAKE IN ADDITIONAL ROAD REPAIR AT THE DISCRETION OF THE ENGINEER.
- MAJOR ROADS ARE DEFINED AS ROADS WITH 2 OR MORE LAYERS OR COURSES OF ASPHALT COMPRISING OF A WEARING COURSE AND A BASE COURSE. MINOR ROADS ARE DEFINED AS ROADS WITH 1 LAYER OR COURSE OF ASPHALT.
- PHASE 1 REINSTATEMENT SHALL BE BROUGHT TO FRL WITH A TEMPORARY LAYER OF ASPHALT (50mm FOR MAJOR ROADS AND 70mm FOR MINOR ROADS) PRIOR TO OPENING TO TRAFFIC UNLESS PHASE 2 REINSTATEMENT IS CARRIED OUT SIMULTANEOUSLY WITH PHASE 1.
- CLEARANCE FROM TOP OF COVER SLAB TO FRL TO BE MIN 200mm FOR EXISTING MANHOLES IN MAJOR ROADS, 160mm FOR EXISTING MANHOLES IN MINOR ROADS, AND 450mm FOR NEW MANHOLES. IF CLEARANCE DISTANCE IS LESS THAN SPECIFIED, COVER SLAB TO BE LOWERED ACCORDINGLY.

REFERENCES:

- AMENDMENT TO THE CODE OF PRACTICE AND SPECIFICATION FOR ROAD OPENING IN THE HIGHWAY.

Rev.	Date	Revision Details	Appd.
1	20MAR16	ISSUED FOR USE	
0	07DEC14	ISSUED FOR USE	

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QCS Section:
Section 6 - Road Works
Part 1 - General

Drawing Title:

REINSTATEMENT DETAILS
MANHOLES

Approved: MBJ	Sheet No: 1 OF 1
Date: MARCH 2016	Scale: AS SHOWN
Drawing Number: SD 6-1-205	Revision: 1