The Contractor and his Sub-contractors shall verify all dimensions, lines, levels and existing service locations, prior to commencement on site, preparation of detail/shop drawings, and fabrication of construction/building components.

This drawing shall be read in conjunction with the specification.

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FOOTPATH REINSTATEMENT EXTENTS (ASPHALT AND CONCRETE)

TRENCHING IN ASPHALT FOOTPATH LESS/EQUAL TO 1.2m WIDE

PROPERTY BOUNDARY

ASPHALT FOOTPATH

TRENCH

RESURFACE ENTIRE FOOTPATH WIDTH WHERE FOOTPATH IS LESS THAN 1.2m WIDE

EDGE OF FOOTPATH

TRENCHING IN ASPHALT FOOTPATH GREATER THAN 1.2m WIDE

PROPERTY BOUNDARY

ASPHALT FOOTPATH

TRENCH

EXTEND RESURFACING TO BOUNDARY OR KERB WHERE OFFSET IS LESS THAN 250mm

RESURFACE MINIMUM 0.5m FOOTPATH WIDTH WHERE FOOTPATH IS GREATER THAN 1.2m WIDE

EDGE OF FOOTPATH

TRENCHING IN CONCRETE FOOTPATH/BIKeway

PROPERTY BOUNDARY

CONCRETE FOOTPATH

REPLACE ALL AFFECTED SLABS OF CONCRETE, INCLUDING CONTROL JOINTS AND EXPANSION JOINTS

EDGE OF FOOTPATH
**LOW VOLUME ROADS (RESIDENTIAL STREETS & LANEWAYS) <2,000 VEHICLES PER DAY**

- TRENCH WIDTH (MIN 300mm)
- HOTMIX SHALL MATCH FLUSH WITH EXISTING AND SHALL BE FORMED TO MATCH THE EXISTING ROAD PROFILE
- FOR WEARING COURSE EXTENTS REFER NOTE 9

**VERY HEAVILY TRAFFICKED ROADS WITH ASPHALT SURFACES (AND KEY ADELAIDE METRO BUS ROUTES) >20,000 VEHICLES PER DAY**

- TRENCH WIDTH (MIN 300mm)
- HOTMIX SHALL MATCH FLUSH WITH EXISTING AND SHALL BE FORMED TO MATCH THE EXISTING ROAD PROFILE
- MINIMUM 50mm AC10M A5E WEARING COURSE ON TACK COAT AT 0.2 TO 0.3 L/m²
- 300mm AC14M BASE COURSES APPLIED IN 4 x 75mm LAYERS ON EMULSION PRIME APPLIED AT 1.0 L/m²
- SUBBASE EITHER PM1/20QG OR PM2/20QG TO 98% MODIFIED COMPACTION
- SUB-GRADE/BACKFILL REINSTATEMENT (REFER P403-01)

**HEAVY TRAFFICKED ROADS WITH ASPHALT SURFACES >2,000 VEHICLES PER DAY BUT < 20,000 VEHICLES PER DAY**

- TRENCH WIDTH (MIN 300mm)
- HOTMIX SHALL MATCH FLUSH WITH EXISTING AND SHALL BE FORMED TO MATCH THE EXISTING ROAD PROFILE
- 50mm AC10M A5E WEARING COURSE ON TACK COAT AT 0.2 TO 0.3 L/m²
- 225mm AC14M BASE COURSE APPLIED IN 3 x 75mm LAYERS ON EMULSION PRIME APPLIED AT 1.0 L/m²
- SUBBASE EITHER PM1/20QG OR PM2/20QG PLACED IN 2 x 125mm LAYERS TO 98% MODIFIED COMPACTION
- SUB-GRADE/BACKFILL REINSTATEMENT (REFER P403-01)

**PAVEMENT REINSTATEMENT FOR TRENCHES & REPAIRS NOTES:**

1. EXCAVATED MATERIAL SHALL NOT BE RE-USED IN THE BACKFILL REINSTATEMENT AND SHALL BE REMOVED FROM SITE.
2. THE WEARING COURSE AND ASPHALT BASE COURSE LAYER SHALL EXTEND A MINIMUM OF 300mm EITHER SIDE OF THE EXCAVATED TRENCH. PRIOR TO APPLICATION OF THE WEARING COURSE, ENSURE THE EDGE OF THE BASECOURSE AND EXISTING SEAL IS NEATLY SAW CUT.
3. ALL LINEMARKING, PAVEMENT MARKING AND ROAD FURNITURE SHALL BE REINSTATED TO MATCH EXISTING.
4. THE FINISHED LEVEL OF ALL SERVICE COVERS SHALL BE FLUSH WITH THE FINISHED SURFACE OF THE REINSTATED PAVEMENT.
5. THE SUPPLY OF MATERIALS (ASPHALT & QUARRY RUBBLE) SHALL BE IN ACCORDANCE WITH D.P.T.I. ROADWORKS MASTER SPECIFICATION.
6. PROPOSED USE OF RECLAIMED ASPHALT PAVEMENT (RAP) MATERIAL SHALL BE IN ACCORDANCE WITH D.P.T.I. SPECIFICATION PART R27 - SUPPLY OF ASPHALT.
7. PAVEMENT LAYER THICKNESS SHALL BE IN ACCORDANCE WITH D.P.T.I. SUPPLEMENT TO THE AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2: PAVEMENT STRUCTURAL DESIGN.
8. PAVEMENT TO BE CONSTRUCTED IN ACCORDANCE WITH D.P.T.I GENERAL CONSTRUCTION FOR PAVEMENTS.
9. WEARING COURSE REINSTATEMENT EXTENTS TO COMPLY WITH WEARING COURSE REINSTATEMENT PLAN P402-02.
ROAD REINSTATEMENT EXTENTS

TRENCHING AT 90° TO THE ROAD

MINIMUM 300mm WEARING COURSE REINSTATEMENT EACH SIDE OF TRENCH

TRENCHING DIAGONALLY ACROSS THE ROAD

MINIMUM 300mm WEARING COURSE REINSTATEMENT EACH SIDE OF TRENCH

TRENCHING ALONG THE ROAD

ASPHALT WEARING COURSE TO EXTEND TO OUTSIDE OF WHEEL PATH TO CENTRE OR EDGE OF LANE TO ENSURE PAVEMENT JOINT SITS OUTSIDE OF VEHICLE WHEELPATH

FULL DEPTH OF ASPHALT REINSTATEMENT TO EXTEND A MINIMUM OF 300mm EACH SIDE OF TRENCH (AS PER REINSTATEMENT DETAIL)
SERVICES TRENCH REINSTATEMENT DETAIL

1. THIS DETAIL IS APPLICABLE FOR EXCAVATIONS IN PAVEMENTS, VERGES, RESERVES & LANDSCAPING AREAS INCLUDING EXCAVATIONS ASSOCIATED WITH TRENCHLESS METHODS.
2. MINIMUM COVER TO THE CONDUIT(S) AND/OR SERVICE(S) SHALL BE IN ACCORDANCE WITH THE RELEVANT SERVICE AUTHORITY’S REQUIREMENTS AND AUSTRALIAN STANDARDS.
3. EXCAVATED MATERIAL SHALL NOT BE RE-USED IN THE REINSTATEMENT OF THE TRENCHES AND SHALL BE REMOVED FROM SITE.
4. THE DETAIL IS NOT TO BE USED FOR DRAINAGE TRENCH BACKFILLING.
5. FOR PAVEMENT REINSTATEMENT, REFER TO THE RELEVANT REINSTATEMENT DETAILS.
6. FOR FOOTPATH OR SHARED PATH REINSTATEMENT, REFER TO THE RELEVANT REINSTATEMENT DETAIL(S).
7. FOR VERGES, RESERVES & LANDSCAPING AREAS, THE FINISHED SURFACE SHALL BE REINSTATED TO MATCH THE ADJACENT SURFACES WITH SIMILAR MATERIALS TO EXISTING.
8. ALL ZONES SHALL HAVE MATERIAL PLACED IN LAYERS NOT EXCEEDING 200mm (UNCOMPACTED) THICKNESS. MATERIAL TO BE COMPACTED AT OPTIMUM MOISTURE CONTENT TO ACHIEVE A MINIMUM COMPACTION OF 95% MMDD.
   - BACKFILL ZONE 1 - LAYERS SHALL BE COMPACTED BY CONVENTIONAL MECHANICAL METHODS.
   - BACKFILL ZONE 2 - LAYERS SHALL BE COMPACTED BY CONVENTIONAL MECHANICAL METHODS.
   - BEDDING ZONE - BEDDING SAND SHALL EXTEND OVER FULL WIDTH OF THE TRENCH. TAMPERING ROLLING OR VIBRATING COMPACTION METHODS MAY BE USED.
9. TRENCHES THROUGH LANDSCAPED AREAS OR AREAS NOT SUBJECT TO VEHICULAR LOADING MAY USE CLEAN FILL FOR BACKFILL ZONE 1.
10. THE FINISHED LEVEL OF ALL SERVICE COVERS SHALL BE FLUSH WITH THE FINISHED SURFACE OF THE REINSTATED PAVEMENT.
11. WHERE TRENCH WIDTH DOES NOT ALLOW FOR MECHANICAL COMPACTION, CONTROLLED LOW STRENGTH MATERIAL (CLS) MAY BE USED IN ACCCORDANCE WITH D.P.T.I SPECIFICATION PART R09, UP TO A LEVEL WHERE MECHANICAL COMPACTION IS ABLE TO BE USED.

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

DRAINAGE TRENCH REINSTATEMENT DETAIL

1. THIS DETAIL IS APPLICABLE FOR EXCAVATIONS IN PAVEMENTS, VERGES, RESERVES & LANDSCAPING AREAS INCLUDING EXCAVATIONS ASSOCIATED WITH TRENCHLESS METHODS.
2. INSTALLATION OF DRAINAGE PIPES MUST BE IN ACCORDANCE WITH AS 3725 AND THE CONCRETE PIPE ASSOCIATION OF AUSTRALIA - "MANUAL FOR CONCRETE PIPE SELECTION AND INSTALLATION HANDBOOK".
3. FOR 'RIBLOC' AND IPLEX PIPE OR SIMILAR, DRAINAGE TRENCH BACKFILLING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
4. EXCAVATED MATERIAL SHALL NOT BE RE-USED IN THE REINSTATEMENT OF THE TRENCHES AND SHALL BE REMOVED FROM SITE.
5. FOR PAVEMENT REINSTATEMENT, REFER TO THE RELEVANT REINSTATEMENT PLANS.
6. FOR FOOTPATH OR SHARED PATH REINSTATEMENT, REFER TO THE RELEVANT REINSTATEMENT DETAIL(S).
7. FOR VERGES, RESERVES & LANDSCAPING AREAS, THE FINISHED SURFACE SHALL BE REINSTATED TO MATCH THE ADJACENT SURFACES WITH SIMILAR MATERIALS TO EXISTING.
8. ALL LAYERS SHALL HAVE MATERIAL PLACED IN LAYERS NOT EXCEEDING 200mm (UNCOMPACTED) THICKNESS. MATERIAL TO BE COMPACTED AT OPTIMUM MOISTURE CONTENT TO ACHIEVE A MINIMUM COMPACTION OF 95% MMDD.
   - BACKFILL ZONE - LAYERS SHALL BE COMPACTED BY CONVENTIONAL MECHANICAL METHODS.
   - OVERLAY ZONE - LAYERS SHALL BE COMPACTED BY CONVENTIONAL MECHANICAL METHODS.
   - SIDE ZONE - LAYERS SHALL BE COMPACTED BY CONVENTIONAL MECHANICAL METHODS.
   - HAUNCH ZONE - LAYERS SHALL BE COMPACTED BY CONVENTIONAL MECHANICAL METHODS.
   - BEDDING ZONE - BEDDING SAND SHALL EXTEND OVER FULL WIDTH OF THE TRENCH. TAMPERING ROLLING OR VIBRATING COMPACTION METHODS MAY BE USED.

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

FOR CONSTRUCTION
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