

TYPICAL PLAN VIEW - TRANSVERSE TRENCH

TYPICAL PLAN VIEW - LONGITUDINAL TRENCH (REFER NOTE 4)

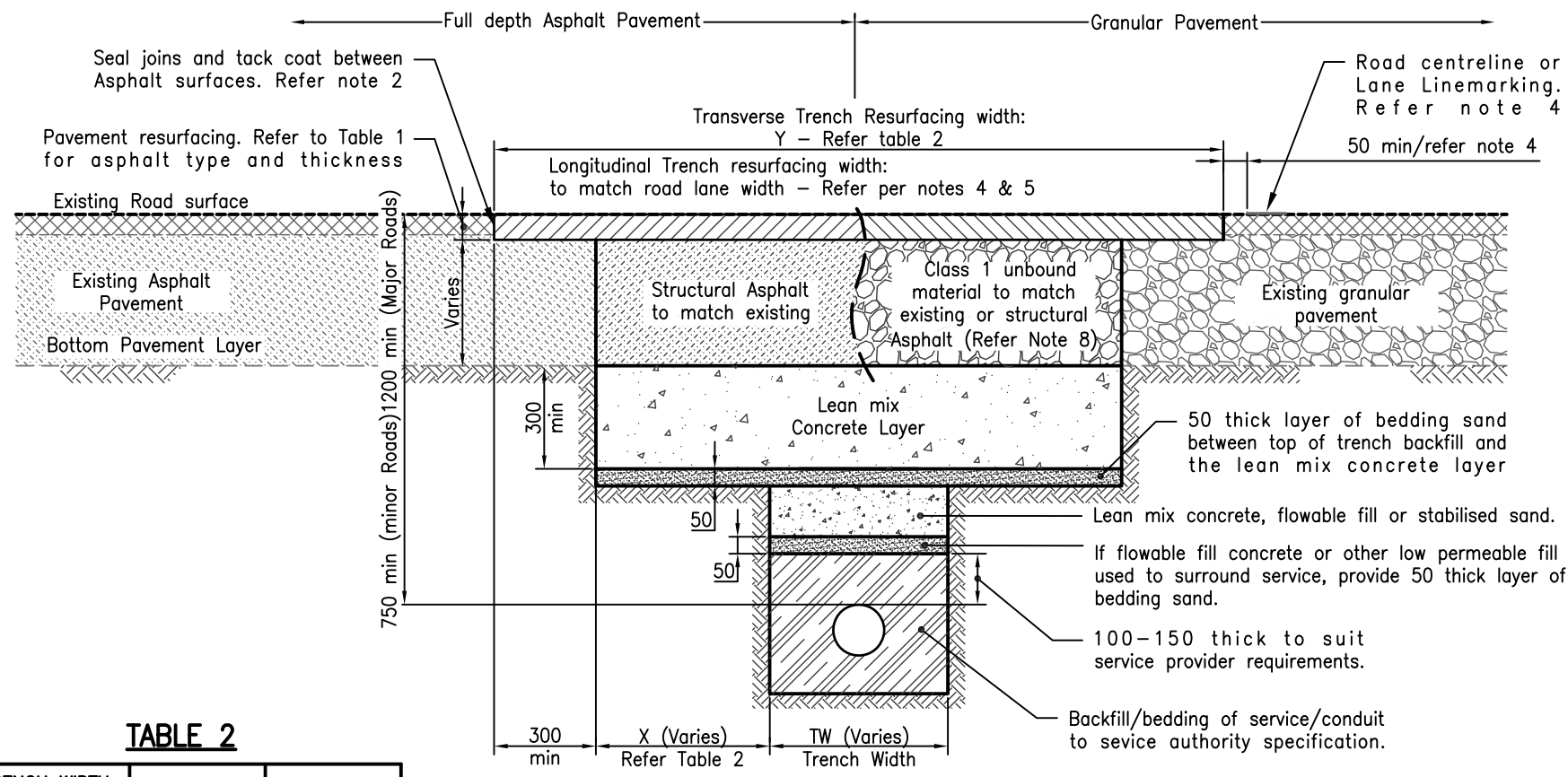
Preferred trench alignment to be perpendicular (90°) to kerb or shoulder

TABLE 1 - SURFACE LAYER

LOCATION	ASPHALT MIX		SURFACE THICKNESS (EXCLUDING PAVEMENT)	
	BCC	TMR	EACH LAYER	TOTAL SURFACE THICKNESS
minor Road	Type 2	DG10	25-40	min 50mm or adjacent Asphalt thickness, whichever is greater
Major Road	Type 3	DG14	50-60	min 100mm or adjacent Asphalt thickness, whichever is greater

NOTES:

1. Trenchless Technology Techniques are the preferred method for road crossing services conduits in existing Roadways.
2. Asphalt to Asphalt joint - saw cut existing AC where shown or as agreed with Council Representative on site to provide clean cut and seal with bitumen emulsion crack sealant. Apply bitumen emulsion tack coat to all other newly exposed asphalt surfaces prior to placement of reinstated asphalt pavement or surface.
3. All exposed faces of gravel pavement to be primed during sealing operations.
4. Where the trench has been constructed longitudinally in the road, then the final surface repair width is to match the existing lane width and terminate 50mm clear of the road centreline or lane line linemarking to allow for the bitumen emulsion joint seal. Reinstatement of surface adjacent to the kerb or road pavement edge to extend fully to the kerb line or edge of pavement.
5. A part lane resurfacing may be approved where the full reinstatement is able to be completed between the inner and/or outer edge and centre of the lane.
6. The vertical deviation from a 3m straight edge parallel to the centre line of the existing road is not to exceed 5mm.
7. Asphalt surface repairs are to be undertaken within 24 hours unless approved otherwise by council. Final asphalt layers to be placed by paving machine.
8. Where structural asphalt is used to reinstate existing granular pavement, subsoil drainage is to be installed on the uphill side of the trench unless approved otherwise by council.
9. Standard drawings to be read in conjunction with the following reference specifications for civil engineering works:
 - S140 : Earthworks
 - S145 : Installation and maintenance of utility services
 - S300 : Quarry products
 - S310 : Supply of dense graded asphalt
 - S320 : Laying of asphalt
10. For backfill requirements for stormwater drainage pipes refer to DS-030.
11. All dimensions are in millimetres unless shown otherwise



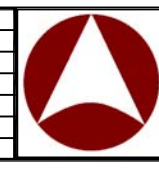
TYPICAL TRENCH REINSTATEMENT CROSS-SECTION

TABLE 2

TRENCH WIDTH (TW)	X	Y
<600	TW/2 (150 min)	1500 min
>600	300 min	2200 min

These drawings have been developed in consultation between the participating Councils. BEFORE USE, the user shall confirm that the drawing has been adopted by the appropriate Council.

Rv.	DATE	REVISIONS
F	06/14	Review
E	03/14	Amended Drawing number
D	12/11	Drawing number changed and reviewed
C	06/11	Review
B	06/09	Review
A	05/08	ORIGINAL ISSUE



INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA
STANDARD DRAWINGS

PAVEMENT EXTENSION
TRENCHING AND WIDENING

RS-170

F
E
D
C
B
A
Rv.