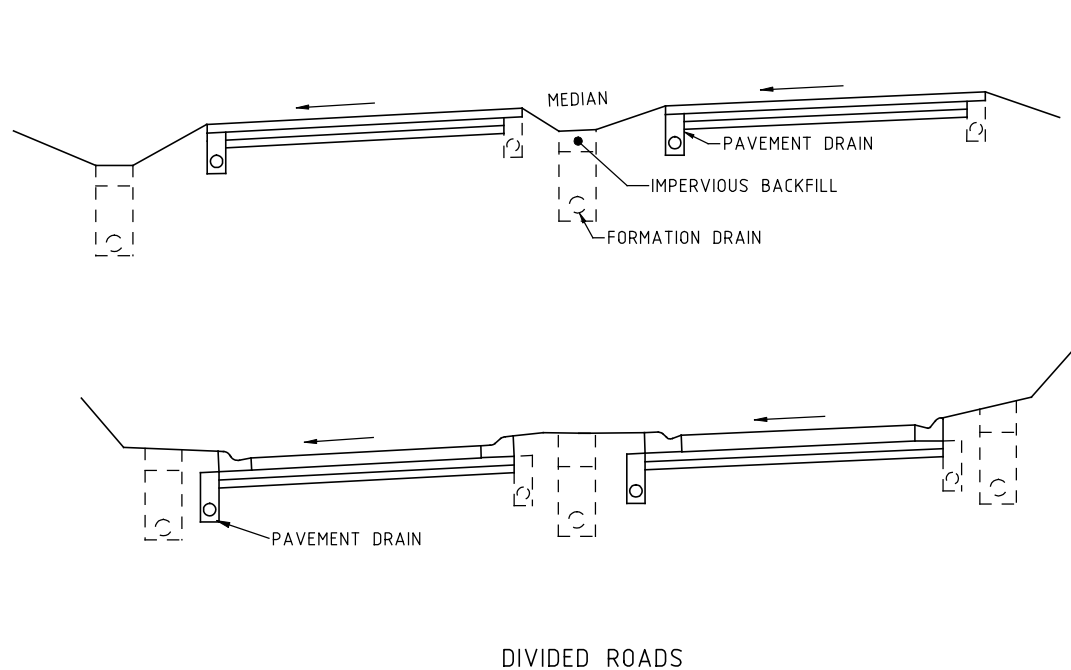
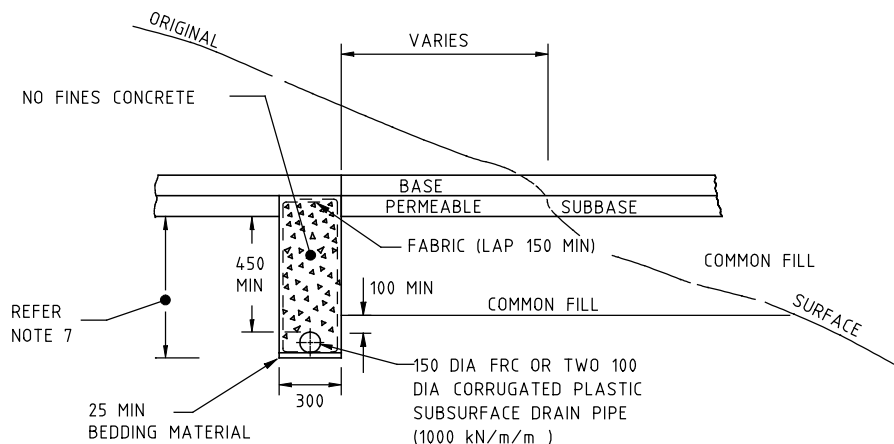


UNDIVIDED ROADS

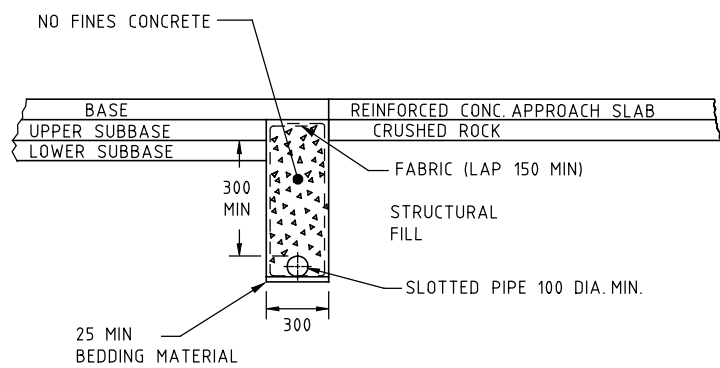


DIVIDED ROADS

SUBSURFACE DRAINS

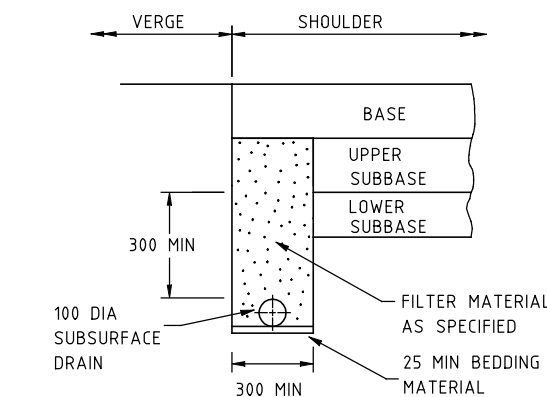


AT CUT TO FILL LINES

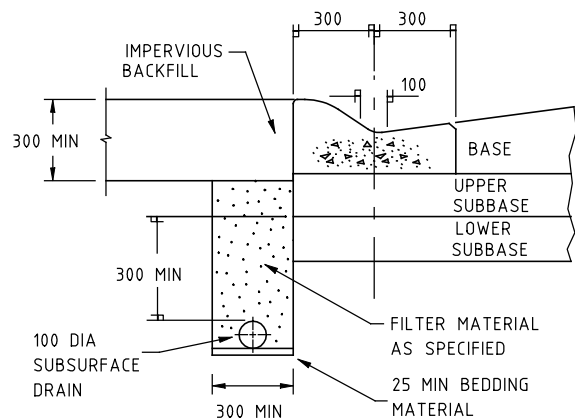


AT BRIDGE APPROACH SLAB

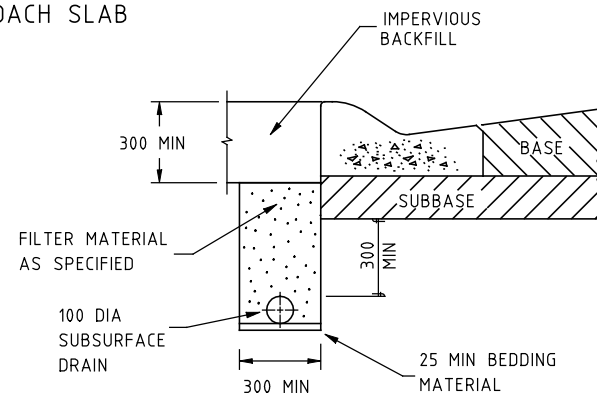
TRANSVERSE PAVEMENT DRAINS



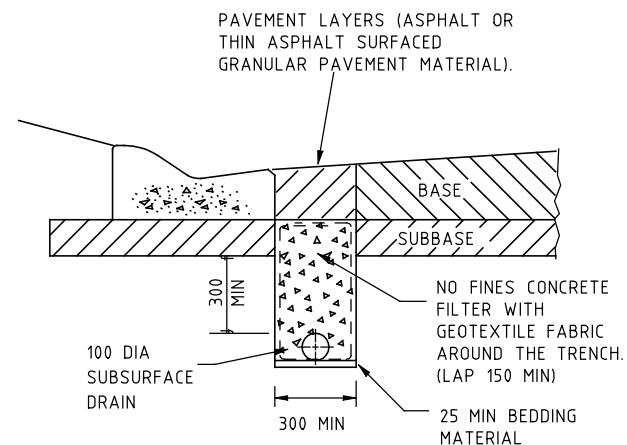
UNDER FULL WIDTH FULL DEPTH PAVEMENT



BEHIND KERB & CHANNEL ON NEW ROADS



PREFERRED LOCATION



OPTIONAL LOCATION

ADJACENT TO KERB & CHANNEL ON EXISTING ROADS

LONGITUDINAL PAVEMENT DRAINS

NOTES:

- PAVEMENT DRAIN LOCATIONS:
 - ON THE LOW SIDE OF THE PAVEMENT.
 - ON THE HIGH SIDE OF THE PAVEMENT IN ANY OF THE FOLLOWING CIRCUMSTANCES:
 - IN CUTS
 - WHERE THE LEVEL DIFFERENCE BETWEEN THE MEDIAN INVERT AND BOXING IS LESS THAN 200mm
 - WHERE CROSSFALLS ARE FLATTER THAN 0.02 m/m
 - ON BOTH SIDES OF PERMEABLE MEDIANS.
 - AT THE EDGE OF OLD PAVEMENT WHEN WIDENING IS CARRIED OUT.
- FORMATION DRAIN LOCATIONS:

THESE MAY BE REQUIRED IN AREAS HAVING GROUND WATER PROBLEMS, AND MAY OBLIATE THE NEED FOR PAVEMENT DRAINS. FORMATION DRAINS MAY BE COMBINED WITH STORMWATER DRAINS.
- TRANSVERSE DRAIN LOCATIONS:
 - 5m UPSTREAM OF CUT TO FILL LINES
 - DOWN STREAM OF SEEPAGE AREAS
 - WHERE DRAINAGE PATHS WITHIN THE PAVEMENT EXCEED 50m
 - IN SUPERELEVATION TRANSITION AREAS
 - AS DIRECTED BY THE SUPERINTENDENT'S REPRESENTATIVE.
- ON TWO-LANE TWO-WAY RURAL ROADS, PAVEMENT DRAINS MAY BE OMITTED IF THE TABLE DRAIN INVERT IS 200mm LOWER THAN THE PAVEMENT BOXING AND PROVISION IS MADE FOR DRAINING THE BOXING. REFER SD 1622.
- PAVEMENT DRAINS SHALL BE LOCATED CLEAR OF AREAS AFFECTED BY GUARD FENCE POSTS.
- SUBSURFACE DRAINS BENEATH OR WITHIN 1m OF THE PAVEMENT SHALL BE 1000 KN/m/m CORRUGATED PERFORATED PLASTIC PIPE, FRC OR CONCRETE PIPE, UNLESS SPECIFIED OTHERWISE.
- THE DEPTH SHALL COMPLY WITH THE CUT TO FILL REQUIREMENTS SPECIFIED IN SECTION 204 OF THE STANDARD SPECIFICATIONS.
- FOR SUBSURFACE DRAIN LOCATIONS UNDER CONCRETE PAVEMENT, REFER TO SD 5352, SD 5381 AND SD 5421.

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ISSUE	APP'D	DATE	AMENDMENT
E			
D	J.K.	1/7/05	NOTE 4 AMENDED FROM SD 1622A TO SD 1622
C	J.B.	1/8/02	SUBSURFACE DRAINAGE TRENCH HAS BEEN AMENDED TO EXTEND TO THE UNDERSIDE OF THE BASE LAYER & PAVEMENT DRAIN RELOCATED AT K.C.
B	J.C.	1/9/98	NOTE 4 AMENDED FROM SD 1601 TO SD 1622
A	J.C.	1/7/95	GEN NOTE 5 ADDED. DEPTH OF PAVEMENT DRAIN CHANGED. NOTES 7 & 8 CHANGED. REDRAWN TO INCORPORATE DETAILS OF RDN 7-5 AND 9-3.

GENERAL NOTES	
1. SUBSURFACE DRAIN - TYPES	SD 1601
2. SUBSURFACE DRAIN - PITS	SD 1611
3. PAVEMENT DRAIN - TERMINALS	SD 1631
4. PAVEMENT DRAIN - LEGEND OF ALTERNATIVES	SD 1641
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN	

DESIGNED	PRINCIPAL ROAD DESIGN ENGINEER	 ENGINEERING & TECHNOLOGY CONSULTANTS	3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124 PHONE NO. (03) 9811 8355 FAX NO. (03) 9811 8329
APPROVED	1.7.95 <i>J. Lumley</i>		
CATALOG	PRED	SCALE	HOR NOT TO SCALE
PROJECT	sddgnnew	OF	VER
FILENAME	sd-1621d.dgn		

STANDARD DRAWING				
SUBSURFACE DRAIN				
LOCATION				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			SD 1621	D