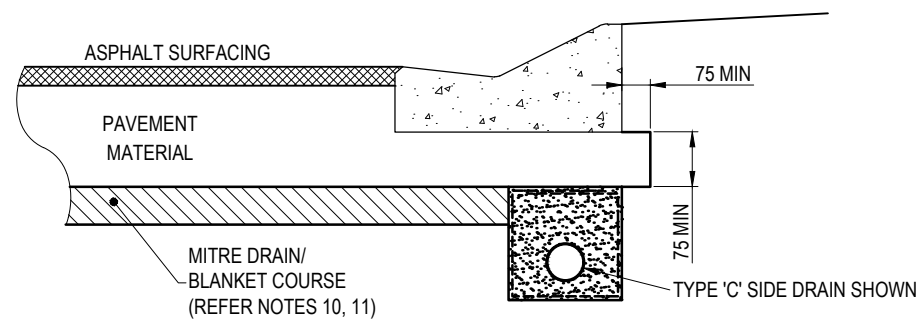
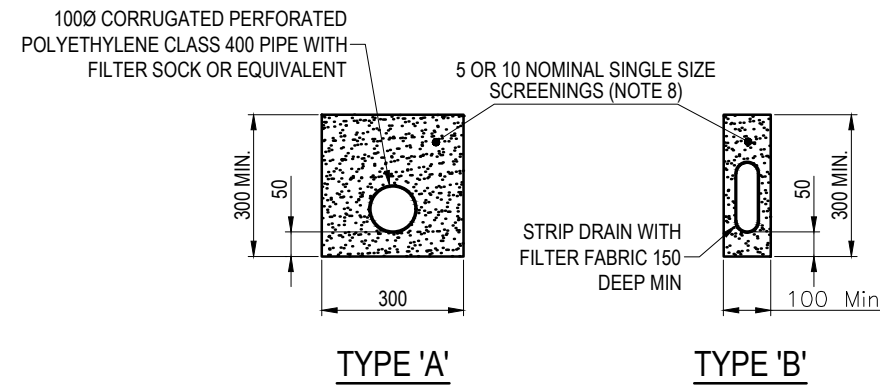


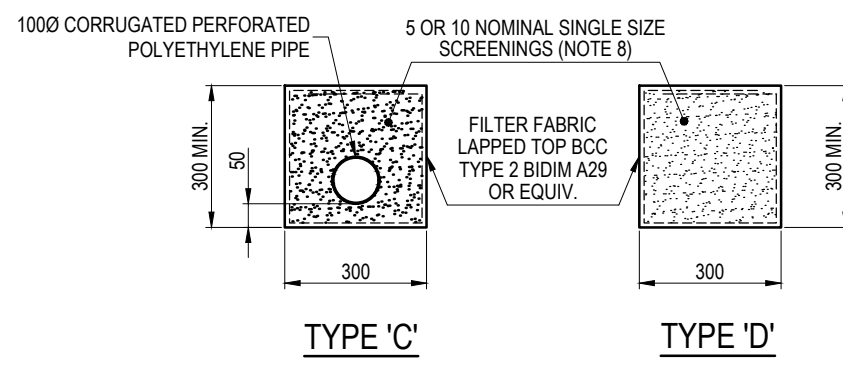
TYPICAL SECTION WITH EXISTING KERB & CHANNEL



TYPICAL SECTION WITH NEW ROAD CONSTRUCTION

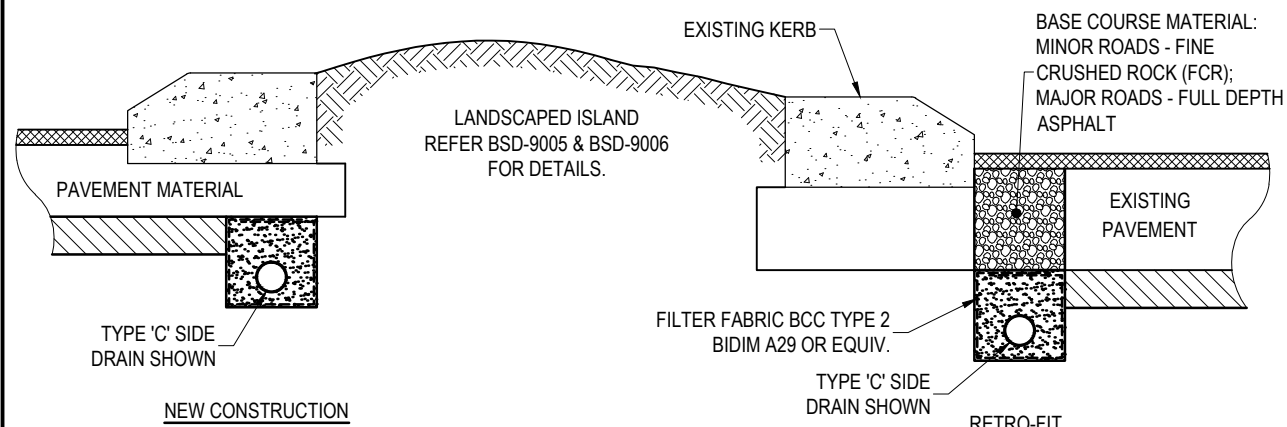


TYPE 'A' TYPE 'B'

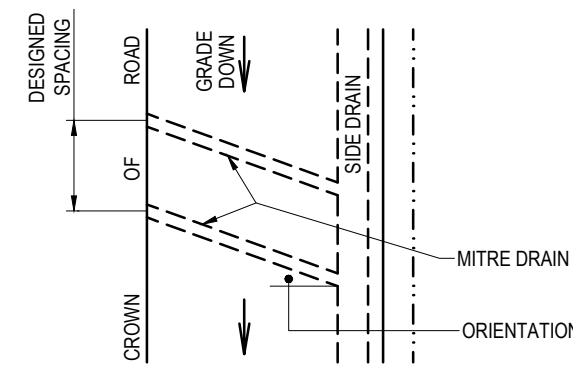


TYPE 'C' TYPE 'D'

TYPES OF SIDE DRAINS
(REFER NOTE 12)



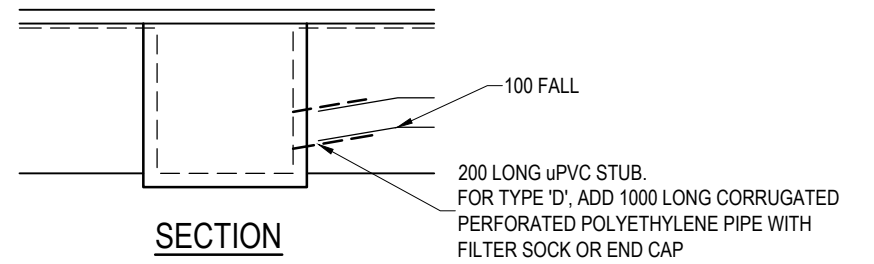
TREATMENT AT MEDIANS



MITRE DRAIN LAYOUT

LEGEND

SCREENINGS OR COMPACTED BCC CLASS 1 CRUSHED ROCK OR EQUIVALENT, APPROVED FREE DRAINING NON PLASTIC MATERIAL. PERMEABILITY IN ACCORDANCE WITH AS1289.6.7.1 TO BE 0.01-10mm/s.



SIDE DRAIN OUTLET (SINGLE GULLY ONLY)

NOTES:

1. THE SIDE DRAIN DEPTH TO BE A MIN. OF 300mm BELOW THE SUBGRADE. PROVIDE A MIN. 300 COVER TO PIPE.
2. SIDE DRAINS SHALL OUTLET TO A GULLY, PREFERABLY, OR STORMWATER PIPE.
3. 100Ø CORRUGATED POLYETHYLENE (PE) PIPE AND FITTINGS TO BE CLASS 400 TO AS 2439.
4. USE STANDARD FITTINGS FOR ALL CONNECTIONS INCLUDING THE JOINING OF LENGTHS OF CORRUGATED PIPE.
5. DRAINAGE PIPES TO BE LAID TO A MINIMUM GRADE OF 1 in 250 FOR PIPE DRAINS AND TO A MINIMUM GRADE OF 1 in 100 FOR SCREENING ONLY DRAINS.
6. SCREENING SURROUND AND THE BACKFILL PAVEMENT MATERIAL MUST BE ADEQUATELY COMPACTED TO PROVIDE FLEXIBLE PIPE SUPPORT AS REQUIRED IN ACCORDANCE WITH AS 2566.
7. SUPPLY AND INSTALL PANEL DRAINS, IF USED, TO THE MANUFACTURERS SPECIFICATIONS.
8. GRADING OF SINGLE SIZE SCREENING MATERIALS.

A.S. SIEVE SIZE(mm)	%PASSING (% BY WEIGHT)	
	5mm NOMINAL SIZE	10mm NOMINAL SIZE
13.20	--	100
9.50	--	85 - 100
6.70	100	--
4.75	85 - 100	0 - 20
2.36	0 - 40	0 - 5
0.075	0 - 2	0 - 2

9. UNLESS APPROVED OTHERWISE BY COUNCIL, PROVIDE SIDE DRAINS ON BOTH SIDES OF THE ROAD UNDER (NEW CONSTRUCTION) OR ADJACENT TO (RETROFIT) THE KERB AND CHANNEL.
10. MITRE DRAINS (SIMILAR CONSTRUCTION TO SIDE DRAINS) ARE REQUIRED ACROSS THE ROAD TO INTERCEPT SEEPAGE THAT DOES NOT FLOW DIRECTLY TO THE SIDE DRAIN.
11. WHERE SEEPAGE APPEARS IN THE CENTRE OF THE PAVEMENT, PROVIDE 75 THICK FULL WIDTH BLANKET COURSE (SCREENINGS OR CLASS 1 CRUSHED ROCK) TO INTERCEPT SEEPAGE AND DRAIN TO THE ADJACENT SIDE DRAINS. PROVIDE BCC TYPE 3 GEOTEXTILE FABRIC AT THE SUBGRADE/BLANKET COURSE INTERFACE. BLANKET COURSE IS GENERALLY REQUIRED UNDERNEATH FULL DEPTH ASPHALT PAVEMENTS TO AVOID BLOCKAGE OF SEEPAGE FLOW.
12. SUB SURFACE DRAINAGE REQUIREMENTS (INCLUDING TYPE, LOCATION, SPACING AND ORIENTATION) MUST BE DETERMINED BY A SUITABLY QUALIFIED REGISTERED PROFESSIONAL ENGINEER.
13. DIMENSIONS IN MILLIMETRES (UNO).

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
C	Note 9 Updated - Reference To Council Section Removed	JAN '19	APR '19	APR '19
B	Drawing Title Amended	JAN '16	JUL '16	JUL '16
A	Drawing Converted from UMS Series April 2014	APR '14	APR '14	APR '14

DRAWING AUTHORISED FOR PUBLICATION
B.BALL SIGNATURE ON ORIGINAL DATED 29/6/01 R.P.E.Q. 3 8 5 2

ASSET ENGINEERING MANAGER
STRATEGIC ASSET MANAGEMENT

DESIGN APPROVED
B.HANSON SIGNATURE ON ORIGINAL DATED 27/6/01

PRINCIPAL ASSET OFFICER
ROADS & DRAINAGE

DESIGN	Std Dwgs WG	DATE	April '01
DRAWN	CPO - P&D	DATE	April '01
CHECKED	M.STEER	DATE	May '01
DRAWING FILENAME	BSD-2041 (C) Pavement drains.dwg		
ASSOCIATED PLANS	SUPERSEDES UMS-261		



BRISBANE CITY COUNCIL STANDARD DRAWING

SCALE: NOT TO SCALE

DWG No. **BSD-2041**

ORIGINAL SIZE: **A3** REVISION: **C**

PAVEMENT DRAINS