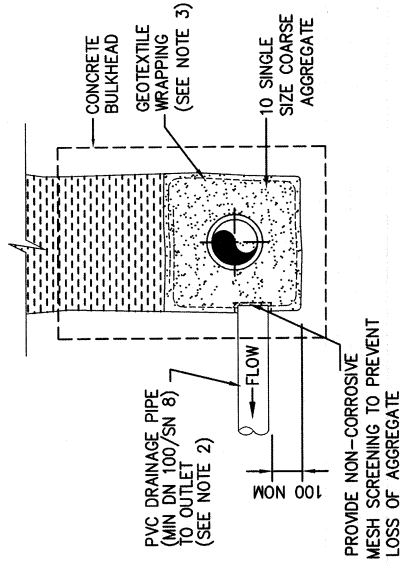
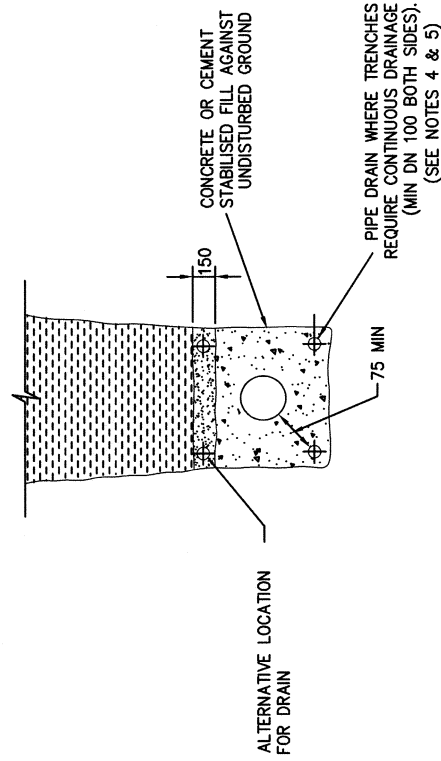




SECTION

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES.
2. DRAINAGE PIPES TO DISCHARGE INTO AUTHORISED WATER DISCHARGE AREAS (AS SHOWN IN DESIGN DRAWINGS).
3. LAY GEOTEXTILE FILTER FABRIC IN TRENCH SUCH THAT IT FULLY ENCAPSULATES THE DRAINAGE MATERIAL (COARSE AGGREGATE). PROVIDE MINIMUM OF 250 LAP AT ALL FILTER FABRIC JOINTS.
4. PROVIDE CONTINUOUS DRAINAGE PATH:
 - THROUGH BULKHEADS.
 - IN TRENCH EXCAVATIONS ACROSS ROADWAY.
5. WHERE REINFORCING IS USED LOCATE DRAIN INSIDE THE REINFORCING. DEPTH MAY NEED TO BE INCREASED TO COMPENSATE.
6. COUNCIL DOES NOT ALLOW CONCRETE ENCASEMENT. ALTERNATIVE OPTION IS TO PROVIDE REINFORCED CONCRETE BRIDGING SLAB OVER THE WATER MAIN WITH MINIMUM 300mm CLEARANCE TO WATER MAIN AND EXTENDED 200mm BEYOND EACH SIDE OF TRENCH WIDTH.



TRENCH DRAINAGE FOR CONCRETE ENCASEMENT/STABILISATION

D	5/5	Amend MGA 544N.	JC	DRAWING FILE NAME M:\Engineering Services\Technical Services\Design\Projects\Standard drawings\Mackay Water\WSAA MRC\WAT CODE\A3-04286C		 WSAA NO. WAT-1210  WATER SERVICES ASSOCIATION of Australia	 JASON DEWITT	27 MAY'09 DATE	 Mackay REGIONAL COUNCIL	STANDARD DRAWING TRENCH DRAINAGE TYPICAL SYSTEMS	DRAWING No. A3-04286 AMEND. D SHEET 1 OF 1
C	MAY'08	MODIFIED TO MRC STD									
B	NOV'07	NOTE ADDED	NR	SURVEY N/A							
A	OCT'07	TSFER TO MRC TBLOCK	SLR	DATE OF LAST EDIT May 21, 2009							
0		WSAA ORIG.		LEVEL DATUM A.H.D. JOB No							
NO.	DATE	DESCRIPTION	APPVD.	MERIDIAN	MGA-55						