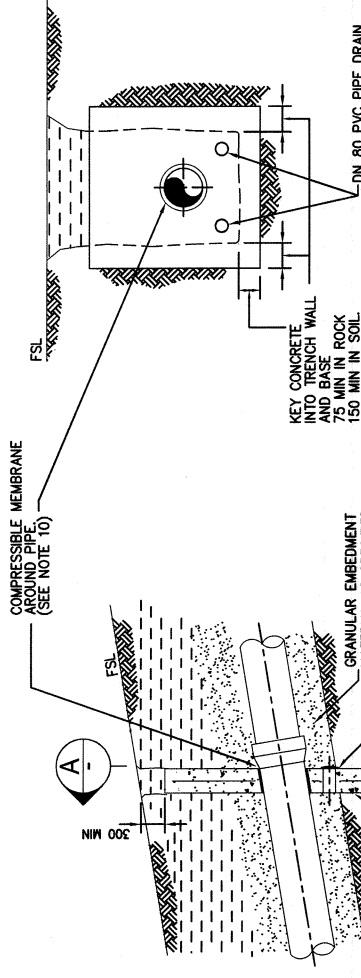


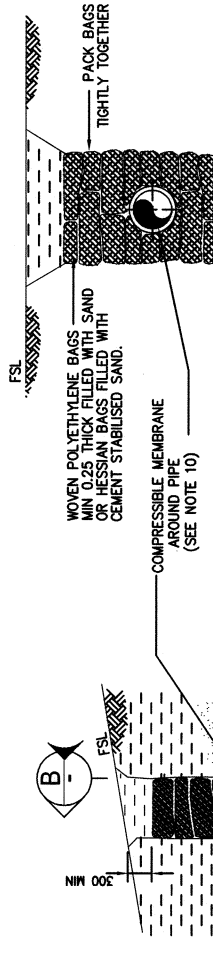
PROVIDE REINFORCING AS SHOWN IN DESIGN DRAWING

TYPICAL ROAD CROSSING BULKHEAD



PROVIDE REINFORCING AS SHOWN IN DESIGN DRAWING

CONCRETE BULKHEAD DETAIL



PROVIDE REINFORCING AS SHOWN IN DESIGN DRAWING

TRENCH STOP DETAIL

- NOTES:
1. ALL DIMENSIONS IN MILLIMETRES.
 2. CONSTRUCT CONCRETE BULKHEADS AND TRENCH STOPS AT LOCATIONS SPECIFIED IN DESIGN DRAWINGS.
 3. CONSTRUCT BULKHEAD ADJACENT TO KERB AND GUTTER SHOULDER OF SEALED ROADS.
 4. LOCATE BULKHEAD AT A RETAINING WALL UNDER THE WALL.
 5. KEY CONCRETE BULKHEADS INTO SIDES AND BOTTOM OF TRENCH AGAINST A BEARING SURFACE OF UNDISTURBED SOIL.
 6. CONCRETE TO BE CLASS N25.
 7. DO NOT DEFORM PIPES DURING PLACEMENT OF CONCRETE.
 8. SEAL BAGS TO PREVENT LEAKAGE OF CONTAINED MATERIAL.
 9. PROVIDE CONTINUOUS DRAINAGE PATH
 - THROUGH BULKHEADS AND TRENCHSTOPS
 - AROUND MAINTENANCE HOLES
 - THROUGH DRAINAGE LOCATIONS ACROSS ROADWAYS.
 TRENCH DRAINAGE TO BE IN ACCORDANCE WITH SEP-1207.
 10. COMPRESSIBLE MEMBRANE AROUND PIPE TO BE 10 THICK POLYSTYRENE FOR BULKHEADS ADJACENT TO KERBS AND 3 MIN THICK RUBBER FOR BULKHEADS AND TRENCHSTOPS ON SLOPES.
 11. COUNCIL DOES NOT ALLOW CONCRETE ENCASEMENT

MRC STANDARD DRAWINGS SUPERCEDES WSAA STANDARD DRAWINGS

D 5/9 AMEND MGR SIGN.	DRAWING FILE NAME M:\EST\Design\Projects\STD-DWG\MACKAY WATER\WSAA MRC\SEW CODE\A3-42\2C	COMMERCIAL SERVICES		WSAA NO. SEW-1206	DATE OF LAST EDIT February 9, 2009	JOB No MGA-55	APPVD.	NO. DATE	DESCRIPTION	STANDARD DRAWING TRENCH DRAINAGE BULKHEADS & TRENCHSTOP	DRAWING No. A3-04212	AMEND. D	SHEET 1 OF 1
		EXECUTIVE MANAGER MACKAY WATER SERVICES RPEQ 7506											
C MAY08	MODIFIED TO MRC STD	SLR											
B NOV07	NOTES ADDED	NR											
A OCT07	TFR TO MRC TBLOCK	SLR											
0	WSAA ORIG												