

PIPE INSTALLATION FOR DICL, PVC, GRP & PE PIPES

TABLE 1 - TRENCH WIDTHS AND DEPTHS

NOMINAL SIZE DN	MINIMUM TRENCH WIDTH SEE NOTE 5	STANDARD TRENCH DEPTH	
		ROADWAY*	FOOTWAY
<100	600	900	700
100	600	950	700
150	600	1000	800
200	600	1100	950
225	800	1100	1000
250	800	1100	1100
300	900	1200	1200



*STANDARD TRENCH DEPTHS AS SHOWN ARE FOR INSTALLATIONS IN LOCAL ROADS ONLY (SEE NOTE 8).

TABLE 2 - MINIMUM PIPE COVER

LOCATION	MINIMUM COVER #
NON ROADWAYS - GENERAL - INDUSTRIAL/COMMERCIAL	600 600
SEALED ROADS	800
FREEWAYS	1200
UNSEALED ROADS	900
EMBANKMENT	800

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNO.
- THE PIPE MATERIAL AND CLASS OF PIPE TO BE AS SPECIFIED ON THE DESIGN PLANS.
- EMBEDMENT MATERIAL AND COMPACTION TO BE IN ACCORDANCE WITH MACKAY REGIONAL COUNCIL CONSTRUCTION SPECIFICATION C60 "SEWAGE PUMPING STATIONS".
- TRENCH FILL AND COMPACTION TO BE IN ACCORDANCE WITH MACKAY REGIONAL COUNCIL CONSTRUCTION SPECIFICATION C60 "SEWAGE PUMPING STATIONS".
- MINIMUM WIDTH OF TRENCH IS THE WIDTH OF UNSUPPORTED TRENCHES OR CLEAR WIDTH INSIDE A TRENCH SUPPORT SYSTEM.
- WHERE THE MAIN CROSSES EXISTING SERVICES, THE MINIMUM VERTICAL AND HORIZONTAL CLEARANCE TO BE IN ACCORDANCE WITH MACKAY REGIONAL COUNCIL POLICY 063 "CLEARANCE TO WATER AND SEWERAGE ASSETS".
- METAL TRACER TAPES FOR LOCATION AND IDENTIFICATION OF BURIED PVC/PE/GRP PRESSURE MAINS AND IDENTIFICATION TAPES FOR IDENTIFICATION OF BURIED DICL PIPELINES TO BE CREAM COLOURED POLYETHYLENE TAPE WITH THE INSCRIPTION:
"CAUTION - SEWER MAIN BURIED BELOW".
METAL TRACER TAPE TO BE LAID ALONG THE MAIN ON TOP OF THE PIPE EMBEDMENT MATERIAL, AND TO BE ATTACHED TO METAL SURFACE FITTINGS TO PROVIDE CONNECTION POINTS FOR LOCATING DEVICES.
- FOR STATE ROADS, MAIN THOROUGHFARES AND OTHER ROADS, REFER TO DRAWING A3-04288 AND RELEVANT ROAD OWNER'S REQUIREMENTS.
- FOR OTHER BURIED CROSSINGS - UNDER OBSTRUCTIONS AND RAILWAYS, REFER TO DRAWING A3-04289.

				DISCLAIMER. The Mackay Regional Council shall have no liability or responsibility to the user or any other person or entity with respect to any liability, loss or damage caused or alleged to be caused, directly or indirectly, by the adoption and use of this Standard Drawing. Persons must not rely on this Standard Drawing as the equivalent of, or a substitute for, project-specific design and assessment by an appropriately qualified professional.	CHIEF OPERATING OFFICER WATER & WASTE SERVICES  DAVID BROOKER DATE <u>19/12/14</u>		SEWAGE PUMPING STATION		STANDARD DRAWING		
D	DEC/14	DETAILS AMENDED	DB				PIPE INSTALLATION				
C	MAY/09	AMEND MGR SIGN	JC				SUPPORT & TRENCH FILL				
B	MAY/08	MODIFIED TO MRC STD	SLR				PRESSURE MAINS ≤ DN 300				
A	OCT/07	T'FER TO MRC T'BLOCK	SLR								
0		WSAA ORIG									
No.	DATE	DESCRIPTION	APVD								
AMENDMENTS AND REVISIONS				A3-04172 D							