



- 1. ALL DIMENSIONS IN MILLIMETRES.
- 2. INSTALL PIPEWORK PARALLEL TO PROPERTY BOUNDARIES.
- 3. STAINLESS STEEL AND FBE COATED TAPPING BANDS DO NOT REQUIRE ADDITIONAL CORROSION PROTECTION.
- 4. WRAP BOLTED CONNECTIONS USING OTHER THAN FBE COATED FITTINGS AND STAINLESS STEEL BOLTS WITH A PETROLATUM TAPE SYSTEM IN ACCORDANCE WITH A3-04304.

DI & PVC PIPE

- DUCTILE IRON FITTINGS MAY BE USED WITH DI & PVC PIPE. FITTINGS MAY BE FBE COATED AND LINED OR CEMENT LINED WITH A BITUMINOUS EXTERNAL COATING.

 DO NOT USE PVC FITTINGS WITH DI PIPE.
- 6. PE SLEEVING REQUIRED ON ALL BITUMINOUS COATED DI PIPE AND FITTINGS APPLIED IN ACCORDANCE WITH AS 3681.
 TWO THICKNESSES REQUIRED BETWEEN FITTINGS AND THRUST BLOCK.
 REINSTATE ANY DAMAGED SLEEVING AS PER MANUFACTURER'S SPECIFICATIONS.
- USE PRE-TAPPED CONNECTORS ON DN 100 & DN 150 NEW MAIN INSTALLATIONS (UNLESS SPECIFIED OTHERWISE BY THE WATER AGENCY).
- USE TAPPING BANDS FOR EXISTING MAINS AND NEW CONNECTIONS TO MAINS >DN 150.
- 9. ELECTRICALLY ISOLATE COPPER SERVICES FROM DICL PIPE.

<u>PVC PIPE</u>

- 10. TAPPING BANDS ON PVC PIPE TO BE FULL CIRCLE CLAMPING.
- 11. WHERE PVC FITTINGS ARE BETWEEN FITTING AND THR ON PVC PIPE, DI SPIGOTS USED, A PROTECTIVE MEMBRANE IS REQUIRED AUST BLOCK. PVC FITTINGS TO BE USED ONLY NOT TO BE INSERTED INTO PVC SOCKETS.
- 12. MAXIMUM SIZE OF DRILLED HOLES FOR SERVICE CONNECTIONS IN PVC PIPE TO BE 30% DN OR 50 (LOWER VALUE TO BE USED) LARGER HOLES CAN BE USED FOR UNDER PRESSURE TAPPING.

DI PIPE

13. DIRECT TAPPING OF >DN WATER AGENCIES. 200 DICL MAY BE AUTHORISED BY

PE PIPE

- 14. PE PIPE MAY BE COLD BENT TO MINIMUM RADIUS OF 25 \times (OD), STAKES OR OTHER SOURCES OF POINT LOADS SHALL NOT BE USED TO ASSIST IN BENDING THE PIPE.
- 15. MAKE ALLOWANCE DURING AND CONTRACTION OF PE CONSTRUCTION FOR EXPANSION PIPE DUE TO TEMPERATURE CHANGES.
- 16. BUTT WELDING IN ACCORDANCE WITH WSA-01 (POLYETHYLENE CODE). BUTT WELDING IN TRENCHES IS NOT PERMITTED.
- 17. ALL MECHANICAL COUPLINGS TO BE SELF-RESTRAINING.

MRC STANDARD DRAWINGS SUPERCEDES WSAA STANDARD DRAWINGS

IER SERVICES ASSOCIATION			WAT-1102	WSAA NO.	
コ A TP H	Klahlein MAY08	K. VAHEESAN	MACKAI WAIEK & WASIE RPEQ 8506	GENERAL MANAGER	

WATER & WASTE

NO.

DATE

DESCRIPTION

APPVD.

MERIDIAN

JOB

No

WAT

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MAY08 INSTALL'N DETAILS REV

10.08

T'SFER TO MRC T'BLOCK

SURVEY FILE SURVEY N/A

No N/A

F:\Mackay Water\DESIGN\WSAA MRC\WAT CODE\A3-04268B

DRAWING FILE NAME

LEVEL DATUM A.H.D.

August 17, 2008 DATE OF LAST

WSAA ORIG

STANDARD DRAWING	Mackay F
ה	REGIO
DRAWING No.	Mackay REGIONAL COUNCIL

TYPICAL MAINS CONSTRUCTION O ANDARD DRAWING ARRANGEMENTS LATION MAIN AMEND. A3-04268 WING No. \Box

SHEET

OF

RETICU