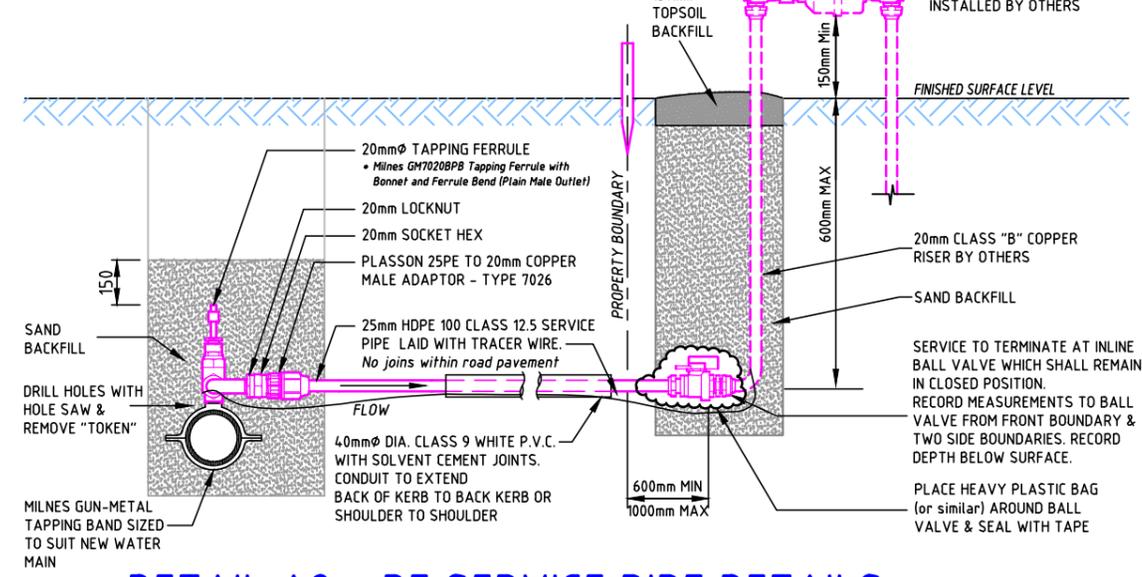


**DETAIL A1 - COPPER SERVICE PIPE DETAILS
NEW WATERMAIN CONSTRUCTION
(Dry Tapping Only)**



**DETAIL A2 - PE SERVICE PIPE DETAILS
NEW WATERMAIN CONSTRUCTION
(Dry Tapping Only)**

NOTES:

CONSTRUCTION

- ALL "LIVE" CONNECTIONS BY WANNON WATER STAFF
- REFER TO APPROVED DESIGN DRAWINGS FOR WATER MAIN CONSTRUCTION DETAILS
- MINIMUM COVER OVER WATER SERVICE PIPES SHALL BE 800mm IN ROAD PAVEMENT OR 600mm ELSEWHERE. (CHECK WITH COUNCIL OR ROAD AUTHORITY)
- WATER SERVICES TO BE LOCATED CENTRALLY ON LOT FRONTAGES OR AS SHOWN ON APPROVED DESIGNS
- WATER SERVICE PIPES SHALL ALWAYS BE LAID AT RIGHT ANGLES TO THE PROPERTY FRONTAGE EXCEPT WHERE APPROVED BY WANNON WATER.
- FOR PE SERVICES THE INSTALLER TO CARRY OUT A CONTINUITY TEST ON TRACER WIRE TO ENSURE THERE ARE NO BREAKS AND PROVIDE PROOF OF SUCCESSFUL TEST OUTCOME.
- WATER SERVICE PIPEWORK TO BE PRESSURE TESTED WITH THE NEW WATER MAIN.
- SERVICES ARE TO BE CHARGED FOR FUTURE CONNECTION.
- BALL VALVE WITHIN LOT BOUNDARY TO BE IN CLOSED POSITION AFTER BLEEDING AIR FROM SERVICE PIPE
- TAPPING SADDLES SHALL BE SPACED NO CLOSER THAN 450mm EDGE TO EDGE OR 450mm TO END OF PIPE (IN ACCORDANCE WITH PIPE MANUFACTURERS SPECIFICATIONS)

MATERIALS

- METERS ARE NOT TO BE FITTED AS PART OF CONSTRUCTION WORKS.
- BOLTS ON TAPPING BANDS TO BE TIGHTENED TO MANUFACTURERS SPECIFICATION. - WORKS WILL NOT BE ACCEPTED UNLESS THIS DIRECTIVE IS FOLLOWED.
- WATER SERVICE PIPES TO BE CLASS "B" COPPER OR HDPE 100 CLASS 12.5. IN HIGH PRESSURE AREAS OR UNDER A HIGHWAY HDPE 100 CLASS 16 SHALL BE USED. ALL PE PIPES TO BE LAID WITH TRACER WIRE TO ENABLE FUTURE LOCATION.
- BALL VALVES, TAPPING FERRULES AND TAPPING BANDS TO BE BRANDS AND MODELS AS SPECIFIED ON DRAWING. NO SUBSTITUTION ALLOWED WITHOUT WRITTEN APPROVAL OF WANNON WATER. SUBMIT ALTERNATIVE BRANDS FOR ASSESSMENT TO DEVELOPMENT SERVICES DEPARTMENT.
- WHEN DIRECTED BY WANNON WATER, THE CONSTRUCTION CONTRACTOR SHALL AT HIS COST, REMOVE ALL NON COMPLIANT PRODUCTS AND REPLACE WITH WANNON WATER APPROVED FITTINGS.
- CONDUIT FOR SERVICE PIPEWORK TO BE CLASS 9 WHITE P.V.C. WITH SOLVENT CEMENT JOINTS AND SHALL EXTEND UNDER ROAD FROM BACK OF KERB TO BACK OF KERB OR SHOULDER TO SHOULDER

WATER USE

- NO WATER IS TO BE USED FROM WATER SERVICE PIPES WITHOUT THE INSTALLATION OF A WATER METER (EXCEPT DURING WATER MAIN COMMISSIONING & TESTING)

COMMERCIAL AND INDUSTRIAL SUBDIVISIONS

- NO LIVE WATER SERVICES ARE TO BE PROVIDED TO COMMERCIAL OR INDUSTRIAL SUBDIVISIONS UNLESS TAPPING REQUIREMENTS ARE KNOWN.

RECORDING AS-CONSTRUCTED INFORMATION

- TAPPING FERRULE DETAILS SHALL BE SHOWN ON AS-CONSTRUCTED DRAWINGS AND SHALL SHOW DEPTH OF MAIN AT FERRULE, TIES TO FERRULE FROM TWO PROPERTY SIDE BOUNDARIES AND OFFSET FROM PROPERTY FRONTAGE.
- INLINE BALL VALVE DETAILS SHALL BE SHOWN ON AS-CONSTRUCTED DRAWINGS AND SHALL SHOW DEPTH TO BALL VALVE FROM FINISHED SURFACE, TIES TO BALL VALVE FROM TWO PROPERTY SIDE BOUNDARIES AND OFFSET INSIDE THE PROPERTY FROM PROPERTY FRONTAGE.
- OFFSETS OF WATERMANS, TIES TO FITTINGS AND DEPTHS OF WATERMAIN AT FITTINGS SHALL BE RECORDED.
- PIPE AND FITTING MATERIALS SHALL BE RECORDED AND TYPE OF JOINT AT FITTINGS SHALL BE RECORDED (EG: SP-SP, SOC-SOC ETC.)

THE FOLLOWING TOWNSHIPS SHALL ONLY USE HDPE PIPE FOR SERVICES:

- All services off the Casterton Treatment Plant
- Sandford
- Merino
- Coleraine
- Port Fairy
- Dartmoor

No.		Note: * indicates signatures on original issue of drawing or last revision of drawing			Drawn	Checked	Approved	Date	Consultant's Drawing Reference:	Consultant's Logo and Details	Wannon Water Project No:	Scale (At original paper size):	NOT TO SCALE			
1		Footer changed to standard WW format. Meter and riser to be supplied by others, details of the riser removed, meter support stake removed, note for townships to use HDPE pipe for services made more prominent, min & max offsets included. General notes altered.			R.F.			14/3/2014			Town:	Drawn	K. Watson	Checked	I. Baum	
											Coordinates:	N:	Designed	I. Baum/K. Watson	Checked	K. Watson
											E:		Approved	Ian Baum		
											Projection:		Date	27/3/14		
											Map Grid of Australia: Zone 54		This Drawing must not be used for Construction unless signed as Approved			
No.		Revision			Drawn	Checked	Approved	Date			Original Size	A3		NOT TO SCALE		
											Sheet No:	3		No. of Sheets: 3		

DRG No: W-363-C
Sheet 3 of 3
Drawing Set No:

Wannon Water
Project: STANDARD DRAWING NON-PRESSURE SERVICE CONNECTION DETAILS
Title: PE & Copper Service connection arrangement to new main