FOR POTABLE WATER ONLY PWC TO OPERATE AND MAINTAIN . , 350 APPROX LIMIT OF WATER SERVICE FOR INITIAL DEVELOPMENT, REFER TO NOTE 7 INSTALLATION BY LICENSED PLUMBER EXTERNAL SERVICE CONNECTION FROM RETICULATION MAIN OWNED & FITTED INTERNAL SERVICE CONNECTION BY PWC PROPERTY BOUNDARY _____ 500 MIN - 1000 MAX DN50 TYPE "A" REFER TO NOTE 20 HARD DRAWN COPPER TUBE _____ _____ PLAN - 100 THICK SLAB ─ DN40 WATER METER DN50 - DN40 DR BRASS REDUCING BUSH WITH NUT & TAIL DN40 SS BALL VALVE WITH DUAL CHECK VALVE DN50 SS GATE VALVE — NON-TESTABLE LOCKABLE HANDLE REFER NOTE 21 (DUAL CV) DN40 DR BRASS ELBOW MALE IRON INLET AND CAPILLARY OUTLET → DN50 OR DN65 GST GUARD (MIN WALL THICKNESS 4.5mm) - 25mm FOAM PLASTIC AROUND PIPE REFER NOTE 23 -300 MIN 400 MAX - SL82 MESH CENTRALLY FOR SPACER LOCATED 350 MIN GAL SUPPORT — (2 BOLTS) **V** 25 - 300 x 300 x 400 DEEP FOOTING FOR GST GUARD - DN50 TYPE "A" DN40 TYPE "A" —— 150 x 150 x 10 PLATE HARD DRAWN HARD DRAWN WELDED TO BOTTOM OF DN80 CLASS 12 PVC PRESSURE COPPER TUBE COPPER TUBE GUARD 50 MIN COVER PIPE UNDER ROADWAY OR CONCRETE FOOTINGS AS CONDUIT FOR COPPER SERVICE — 1000 MIN (TO HELP SUPPORT METER ASSEMBLY) REFER NOTE 10 ELEVATION

NOTES:

- 1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- 2. COPPER ALLOY SHALL BE DEZINCIFICATION RESISTANT (DR) TO AS2345.
- 3. USE SILVER BRAZING ALLOY (MIN 2% SILVER TO AS1167.1) FOR ALL CAPILLARY JOINTING OF COPPER PIPES AND FITTINGS OR ALTERNATIVELY, FOR HORIZONTAL JOINTS ABOVE GROUND PRESS FITTINGS MAY BE USED.
- 4. THE METER ASSEMBLY SHALL BE HORIZONTAL.
- 5. ONLY PWC (OR ITS AUTHORISED CONTRACTORS) ARE PERMITTED TO TAP EXISTING, IN-SERVICE (LIVE) MAINS OR MAINS THAT HAVE BEEN HYDROSTATICALLY TESTED. WITHIN LICENSED AREAS AND UPON PAYMENT OF THE NECESSARY FEES, PWC WILL PERFORM TAPPING OF LIVE MAINS, HOWEVER, EXCAVATION, ALL MATERIALS AND INSTALLATION SHALL BE SUPPLIED BY THE CONTRACTOR.
- 6. ALL PIPES, VALVES AND FITTINGS MUST BE WATER MARK APPROVED.
- 7. ON COMPLETION OF WATER SERVICE, PROVIDE BRASS PLUG FITTED TO METER TAP OUTLET.
- 8. NON-METALLIC MATERIALS AND FITTINGS SHALL NOT FORM PART OF WATER METER ASSEMBLY.
- 9. BACKFLOW CERTIFIED PLUMBER IS REQUIRED TO DETERMINE THE RISK OF CONTAMINATION OF THE POTABLE WATER SUPPLY DUE TO CROSS CONNECTIONS, REFER AS/NZS3500.1. A TESTABLE BACKFLOW PREVENTION DEVICE SHALL BE FITTED FOR MEDIUM OR HIGH HAZARD PROPERTIES.
- 10. TO ENSURE INTEGRITY AND STABILITY OF THE WATER METER INSTALLATION ANY CONNECTION TO THE COPPER RISER OF THE CUSTOMER'S SERVICE AND THE FIRST UNDERGROUND 1000mm OF THE CUSTOMER'S SERVICE MUST USE BRAZED JOINTS COMPLYING WITH NOTE 3.
- 11. NO OTHER UTILITY SERVICES (EG. COMMUNICATIONS, POWER, SEWER) TO BE INSTALLED BETWEEN WATER METER AND PROPERTY BOUNDARY.
- 12. MINIMUM CLEARANCE TO OTHER SERVICES SHALL BE 300mm.
- 13. WHERE SIDE BOUNDARY OF PROPERTY ADJACENT TO WATER METER IS NOT PERPENDICULAR TO ROAD RESERVE BOUNDARY, INSTALL WATER METER PARALLEL TO SIDE BOUNDARY.
- 14. NUT AND TAILS FOR METER INSTALLATION SUPPLIED BY PWC.
- 15. PRESSURE TEST WATER SERVICE AT 1000kPa FOR 30 MINUTES (NO PRESSURE LOSS PERMITTED) USING WATER CHLORINATED TO A MINIMUM CHLORINE CONCENTRATION OF 25mg/L (REFER PWC WATER SERVICES GUIDELINE FOR DISINFECTION OF SUBDIVISIONS AND WATER SERVICE CONNECTIONS FROM 20mm AND GREATER). ENSURE PIPEWORK IS FLUSHED OUT AFTER THE TEST FOR A MINIMUM OF FIVE MINUTES.
- 16. WHERE METER IS INSTALLED PARALLEL TO WALL OR FENCE, GUARD RAIL IS NOT REQUIRED ON PROTECTED SIDE. MINIMUM CLEARANCE BETWEEN METER FLANGES AND WALL SHALL BE 300mm.
- 17. CONCRETE SHALL BE GRADE N25 MINIMUM (MAXIMUM AGGREGATE SIZE 20mm).
- 18. REFER TO BUILDING CODE OF AUSTRALIA WHERE FIRE HOSE REELS OR OTHER FIRE SYSTEMS ARE CONNECTED.
- 19. NOT TO BE USED WITH FIRE SPRINKLERS OR FIRE HYDRANTS.
- 20. WHERE THE METER ARRANGEMENT IS LOCATED IN A ROAD RESERVE, REFER TABLE BELOW.

ROAD DESIGN SPEED (KPH)							
	50	60	70	80	90	>90	
MINIMUM SETBACK FROM KERB OR ROADWAY (m)	3.0	4.0	5.5	7.0	8.5	11.0	

- 21. VALVE TO BE ABLE TO BE LOCKED IN OPEN POSITION.
- 22. FOR ABOVE GROUND JOINTS, PRESS FITTING IS ALLOWED ON CUSTOMER'S SIDE OF THE METER.
- 23. APPROX. 200 MIN 300 MAX. SPACER NEEDED FOR COMMERCIAL OR RETAIL INSTALLATIONS REFER TO STD DRG W1-1-19C.

3	NOTE 16 AMENDED.)C	NOV' 24	JC	DC
2 1	GENERAL AMENDMENTS 2020. GENERAL UPDATE.	PW AW	JULY'20 JUNE'18	JR JR	DC DC
0	ISSUED FOR INFORMATION.	AW	APRIL'13	RJ	RJ
NO	DESCRIPTION	DRN	DATE	CKD	APPD
	AMENDMENTS	•	•		•

DN50 TYPE "A" HARD DRAWN COPPER TUBE



	DES	JC	WA	TER STAI	NDARD DRAWING		
	DRN	AW	CEL	RVICES			
	CHK	RJ	 .				
	APPD	RJ					
	SCALE	N.T.S.					
	ISSUED	APRIL 2013	Α3	DRAWING	\./1 1 0 3 A		
	ALL DIM. IN mm		AD	NUMBER	W1-1-03A) 	
DRAFTING STANDARD TO A.S.1100			CAD PRODUCT - DO NOT AMEND MANUALLY	AMDT			