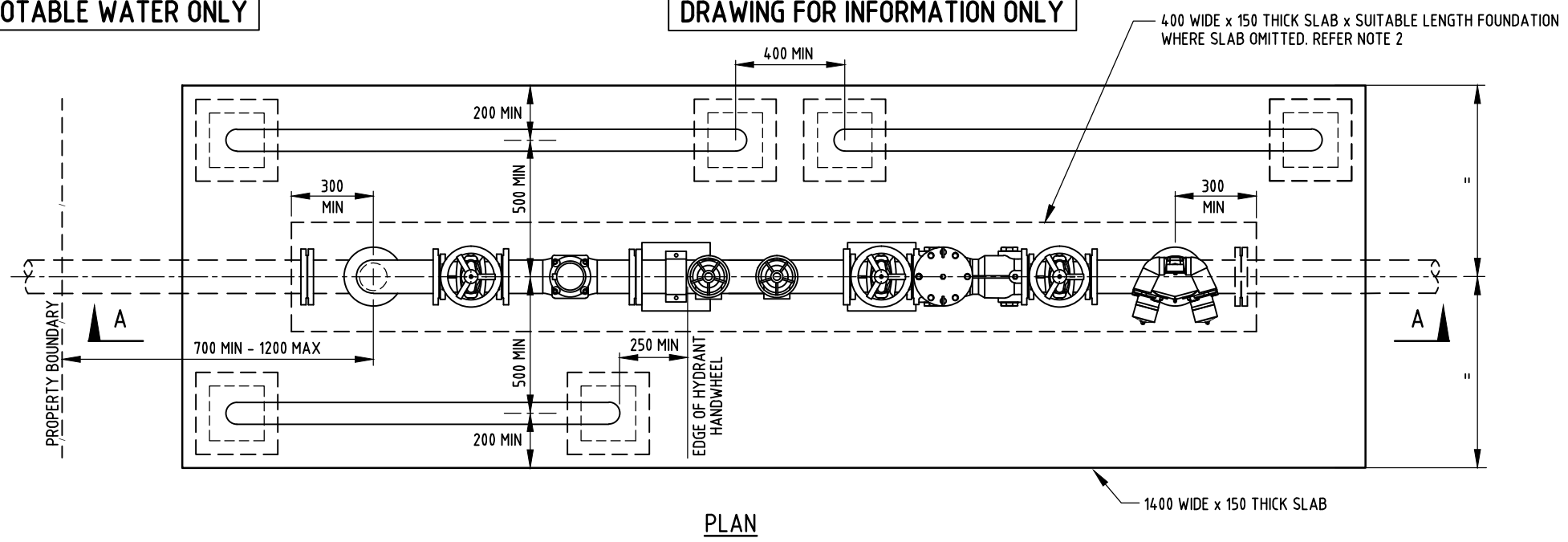
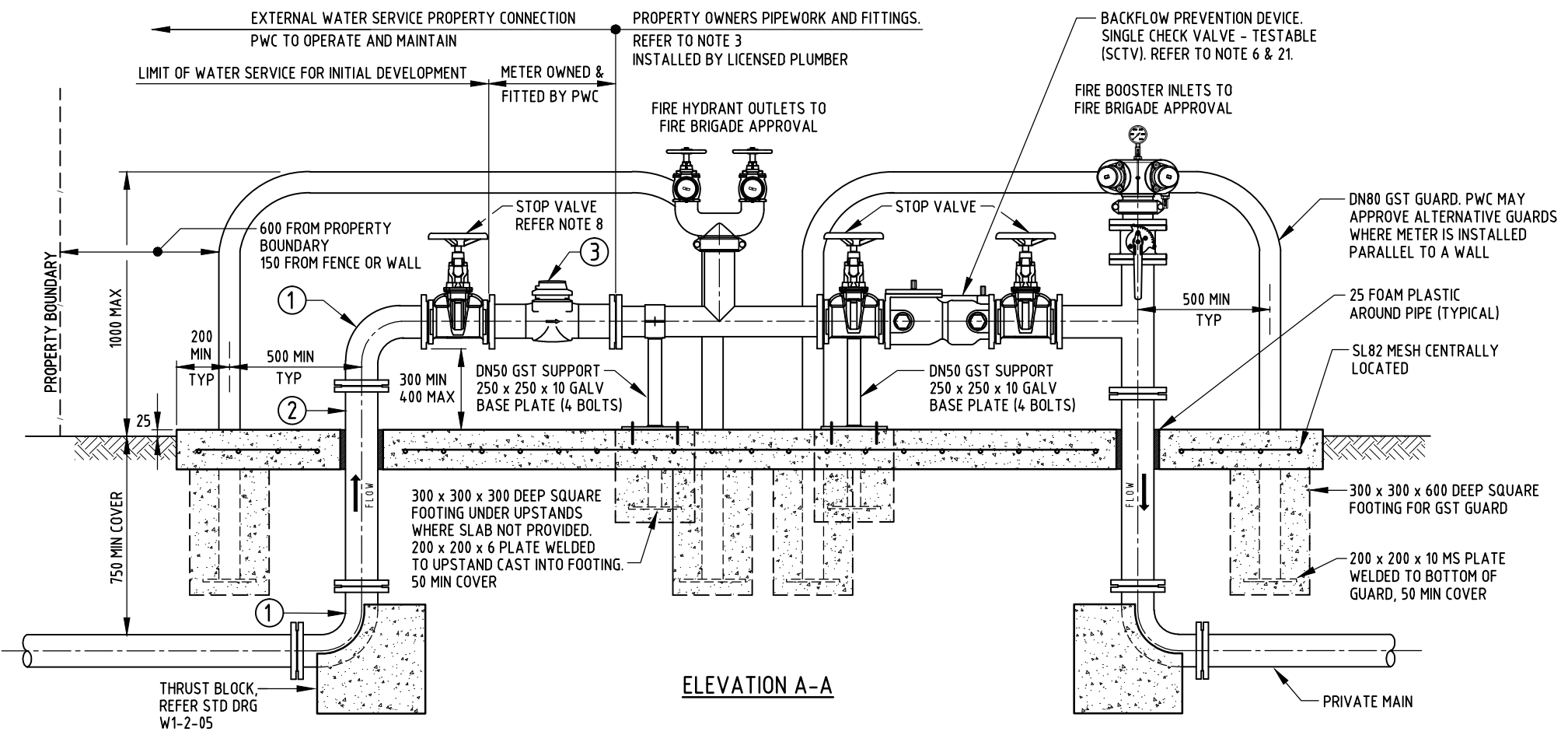


FOR POTABLE WATER ONLY

DRAWING FOR INFORMATION ONLY



PLAN



ELEVATION A-A

NOTES:

- TRAFFICABLE AREAS - INSTALL PROTECTION GUARD, UNLESS OTHERWISE APPROVED BY PWC, TO PREVENT DAMAGE FROM VEHICLES AND RESTRICT ACCESS BY PEDESTRIANS.
- INSTALLATION OPTIONS:
 - UNSEALED (HARDSTAND) AREAS - INSTALL CONCRETE SLAB AS SHOWN. PIPEWORK SUPPORTS TO BE SUPPORTED BY SLAB AND BOLTED TO SLAB.
 - SEALED AREAS - CONCRETE SLAB MAY BE OMITTED. PIPEWORK SUPPORTS TO BE PLACED ON FOUNDATION AS SHOWN.
 - GARDEN AREAS - CONCRETE SLAB MAY BE OMITTED WITH PRIOR PWC APPROVAL. PIPEWORK ASSEMBLY MUST BE FREE OF ANY VEGETATION PLANTING. PIPEWORK SUPPORTS TO BE PLACED ON FOUNDATION AS SHOWN.
- THE DETAILS SHOWN FOR THE PROPERTY OWNER'S PIPEWORK AND FITTINGS ARE REPRESENTATIVE ONLY. THE DESIGN SHALL COMPLY WITH RELEVANT AUSTRALIAN STANDARDS INCLUDING AS2419.1 AND AS/NZS 3500.
- A BACKFLOW CERTIFIED PLUMBER IS REQUIRED TO DETERMINE THE RISK OF CONTAMINATION OF THE POTABLE WATER SUPPLY DUE TO CROSS CONNECTIONS REFER AS/NZS 3500.1. A TESTABLE BACKFLOW PREVENTION DEVICE SHALL BE FITTED.
- ONLY AUTOMATIC SPRINKLER SYSTEMS TO AS2118 AND/OR HYDRANTS TO AS2419 TO BE CONNECTED TO FIRE SERVICE WHERE A LOW HAZARD ASSESSMENT IS MADE. A TESTABLE SPRING LOADED SINGLE CHECK VALVE IS TO BE INSTALLED. THE INSTALLING PLUMBER MUST REFER TO AND COMPLY WITH THE REQUIREMENTS OF AS/NZS 3500.1.
- IF A MEDIUM OR HIGH HAZARD ASSESSMENT IS MADE, THEN PROVIDE A RECOMMENDATION TO PWC. A HYDRAULIC ASSESSMENT OF FIRE SERVICES MUST BE COMPLETED TO ENSURE FIRE REQUIREMENTS ARE NOT COMPROMISED.
- WHERE A REGISTERED AIR GAP (RAG) OR REGISTERED BREAK TANK (RBT) IS PROVIDED IN LIEU OF A TESTABLE BACKFLOW PREVENTION DEVICE, DISCUSS REQUIREMENTS WITH PWC.
- ISOLATION VALVES SHALL BE APPROVED RESILIENT SEATED SLUICE VALVES FITTED WITH HAND WHEELS.
- ON COMPLETION OF WATER SERVICE, PROVIDE BLANK FLANGE, GASKETS, NUTS, BOLTS AND WASHERS TO VALVE OUTLET.
- USE GRADE N32 CONCRETE WITH 80mm NOMINAL SLUMP AND 20mm MAXIMUM AGGREGATE COMPLYING WITH AS1379.
- EXCLUDING FIRE BOOSTER COMPONENTS, USE ONLY THOSE MANUFACTURERS' PRODUCTS SHOWN APPROVED IN THE WATER AND SEWAGE INFRASTRUCTURE PRODUCTS MANUAL
- WHERE METER IS INSTALLED PARALLEL TO WALL OR FENCE, MINIMUM CLEARANCE BETWEEN METER FLANGES AND WALL OR FENCE SHALL BE 300mm
- ALL ABOVE GROUND DUCTILE IRON FITTINGS MUST BE EPOXY COATED IN (RILSAN) BLUE.
- WHERE ROUND AND OTHER-SHAPED FLANGES ARE MIXED, THE GASKET SHALL MATCH THE SHAPED FLANGE.
- WHEN POURING CONCRETE AGAINST FITTINGS, PLACE GEOTEXTILE MATERIAL (MIN 6mm THICK) BETWEEN FITTING FOR THRUST BLOCK AND CONCRETE TO PREVENT DAMAGE TO THE FITTING. JOINTS MUST BE CLEAR OF CONCRETE.
- GRADE 4.6 GALVANISED MILD STEEL BOLTS WITH GALVANISED WASHERS UNDER HEAD AND BOLT PERMITTED FOR USE ON ABOVE GROUND FLANGES (RATED TO PN16).
- USE EPDM 3mm THICK GASKETS ABOVE GROUND.
- BOLTS, NUTS, WASHERS AND GASKETS FOR METER INSTALLATION SUPPLIED BY PWC.
- PRESSURE TEST WATER SERVICE AT 1000kPa FOR 4 HOURS (NO PRESSURE LOSS PERMITTED)
- DISINFECT PIPEWORK IN ACCORDANCE WITH PWC WATER SERVICES CUSTOMER HANDOUT 5 - GUIDELINE FOR DISINFECTION OF SUBDIVISIONS AND WATER SERVICE CONNECTIONS FROM 20mm AND GREATER.
- LOCATION OF BACKFLOW PREVENTION DEVICE IN CENTER OF FIRE BOOSTER SUBJECT TO FIRE BRIGADE APPROVAL.

ITEM	DESCRIPTION	METER SIZE DN		NOTES	ITEM	DESCRIPTION	METER SIZE DN		NOTES
		100	150				100	150	
1	90° BEND DI FLANGE	2	2		3	METER (DN100)	1	-	METER SUPPLIED & FITTED BY PWC AFTER PAYMENT OF FEES
2	EXTENSION PIPE DI FLANGED	1	1	LENGTH DETERMINED ON SITE		METER (DN150)	-	1	

METERS - TYPICAL FLANGE-FLANGE DIMENSION	
DN100	483
DN150	500

NO	DESCRIPTION	DRN	DATE	CKD	APPD
5	GENERAL AMENDMENTS 2020.	PW	JULY'20	JR	DC
4	PIPE EXTENSION REMOVED & NOTES MODIFIED.	AW	NOV'18	JR	DC
3	ISOLATION VALVE ADDED. DIMENSION 'A' MODIFIED. NOTE 4 & 11 CHANGED.	AW	JUN'12	RJ	RJ
2	DRAWING REDRAWN. OPTIONS ADDED.	RGI	NOV'08	RJ	JP
1	ELEVATION AND PLAN REVISED. NOTES REVIEWED. PROTECTIVE COATING REVIEWED.	RGI	AUG'13	MCH	NWM

FOR OPTION 1 LAYOUT - REFER TO DRG. W1-1-17B(1)



DES	NMcC	WATER STANDARD DRAWING SERVICES - DN100 AND DN150 ABOVE GROUND SINGLE METER CONNECTION FIRE SUPPLY WITH FIRE BOOSTER	A3 DRAWING NUMBER W1-1-17B(2)	5 AMDT
DRN	AD/AG			
CHK	NMcC			
APPD	NMcC			
SCALE	N.T.S.			
ISSUED	07/01	DRAFTING STANDARD TO A.S.1100 CAD PRODUCT - DO NOT AMEND MANUALLY		
ALL DIM. IN mm				