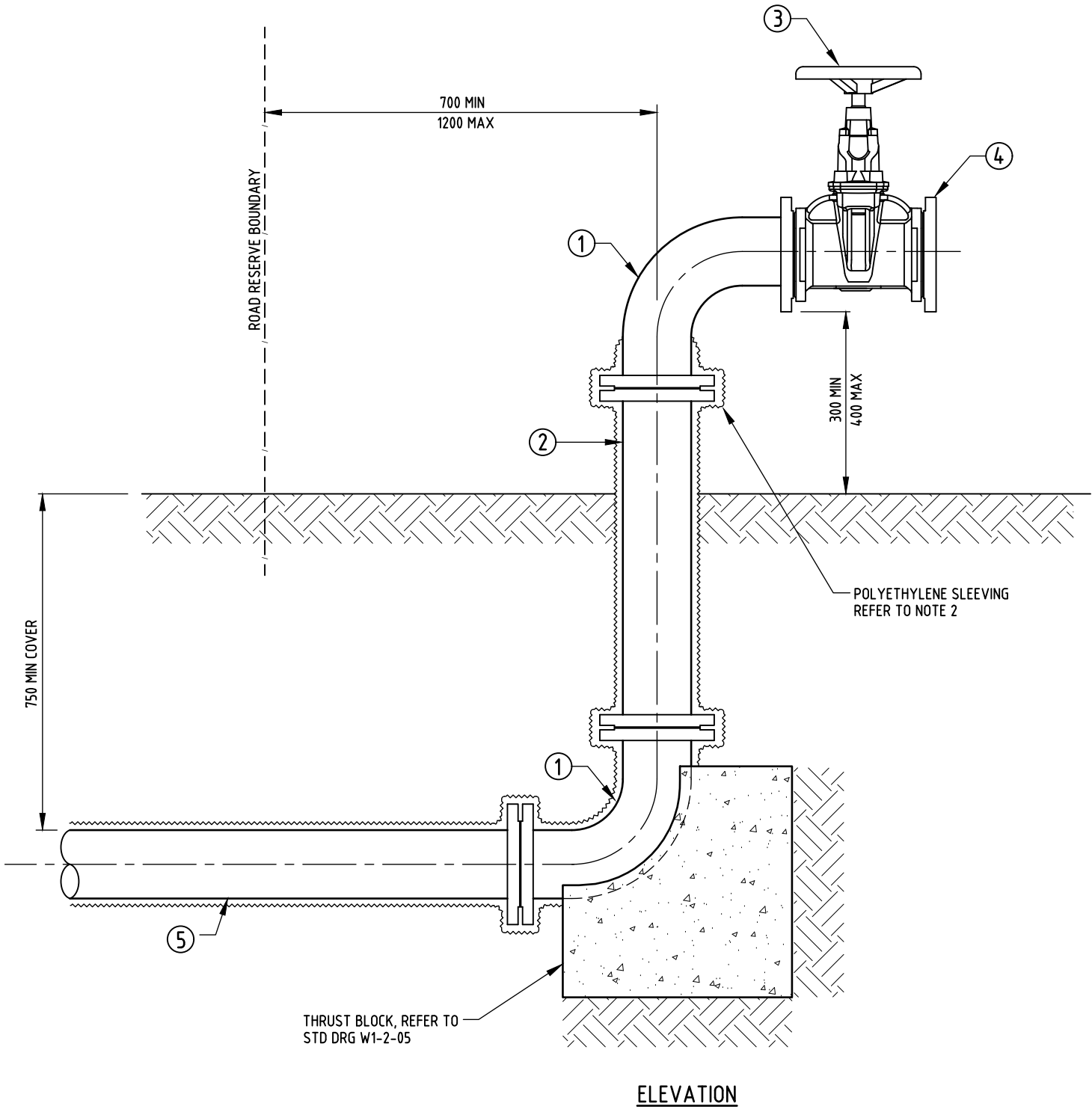


FOR POTABLE AND NON POTABLE WATER



NOTES:

1. WRAP BURIED DUCTILE IRON FITTINGS WITH AS3680 APPROVED POLYETHYLENE SLEEVING (REFER TO DRAWING W1-2-17B) IN ACCORDANCE TO AS3681.
2. WHERE APPLICABLE, STRAP OR TAPE POLYETHYLENE SLEEVING TO PIPE ABOVE FLANGE (TEMPORARY MEASURE UNTIL METER ASSEMBLY AND ASSOCIATED CONCRETE SLAB ARE COMPLETED).
3. REFER TO STANDARD DRAWINGS W1-1-20A, W1-1-20B AND W1-1-20C FOR ORIENTATION OPTIONS.
4. FOR DETAILS OF APPROVED PRODUCTS USED ON THIS DRAWING, REFER TO THE WATER AND SEWERAGE INFRASTRUCTURE PRODUCT MANUAL
5. GRADE 4.6 GALVANISED MILD STEEL BOLTS WITH WASHERS UNDER HEAD AND NUT PERMITTED FOR USE ON ABOVE GROUND FLANGES (RATED TO PN16)
6. FOR POTABLE WATER, ALL ABOVE GROUND DUCTILE IRON FITTINGS MUST BE EPOXY COATED IN (RILSAN) BLUE.
7. FOR NON-POTABLE WATER, ALL ABOVE GROUND DUCTILE IRON FITTINGS MUST BE EPOXY COATED IN LILAC.
8. WHEN POURING CONCRETE AGAINST FITTINGS, PLACE GEOTEXTILE MATERIAL (MIN 6mm THICK) BETWEEN THE FITTING AND CONCRETE TO PREVENT DAMAGE TO THE FITTING. PIPE JOINTS TO BE CLEAR OF CONCRETE.
9. 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 CUSTOMER HANDOUT 3 - 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.
10. WHERE THE UPSTAND 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

ITEM	DESCRIPTION	UPSTAND		COMMENT
		100	150	
1	DI FLANGED 90° BEND	2	2	
2	DI FLANGED HYDRANT RISER	1	1	LENGTH DETERMINED ON SITE
3	RESILIENT SEATED GATE VALVE	1	1	
4	DI BLANK FLANGE *	1	1	
5	DI FLANGE PIPE	1	1	LENGTH TO WATER MAIN

7	ITEM 5 ADDITION	JC	SEP' 26	JC	MA
6	GENERAL AMENDMENTS 2020.	PW	JULY'20	JR	DC
5	DN80 REMOVED, GENERAL UPDATE.	AW	JUNE'18	JR	DC
4	NOTE ADDED 'SUITABLE FOR POTABLE & NON POTABLE WATER'.	AJM	MAR'11	RJ	RJ
3	NOTES 7 & 9 AMENDED. DEPTH TEXT CHANGED.	RGI	NOV'08	RJ	JP
2	RISER & TAPPED BOSS OPTION REMOVED. DN50 VALVE CHANGED.	RGI	AUG'08	RJ	JP
1	DRG TITLE CHANGED, DRG NUMBER CHANGED FROM 21-2-23B.	RGI	NOV'06	RJ	JP
NO	DESCRIPTION	DRN	DATE	CKD	APPD
AMENDMENTS					



DES	RJ	WATER STANDARD DRAWING			
DRN	RI	SERVICES			
CHK	MS	PROPERTY CONNECTION			
APPD	JP	DN100/DN150			
SCALE	N.T.S.				
ISSUED	NOV'08				
ALL DIM. IN mm		A3	DRAWING NUMBER	W1-1-24	7
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY			AMDT