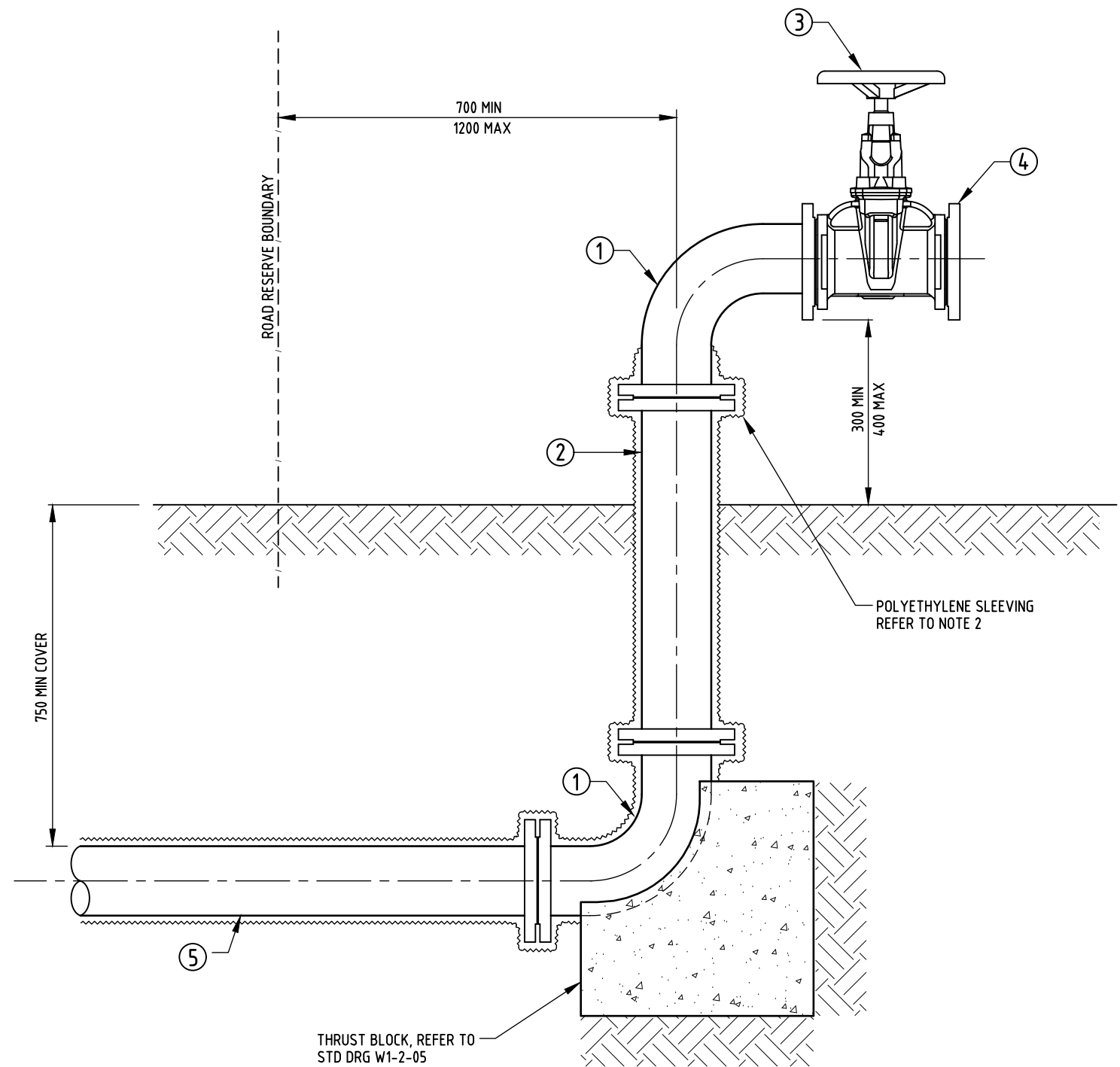


FOR POTABLE AND NON POTABLE WATER



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