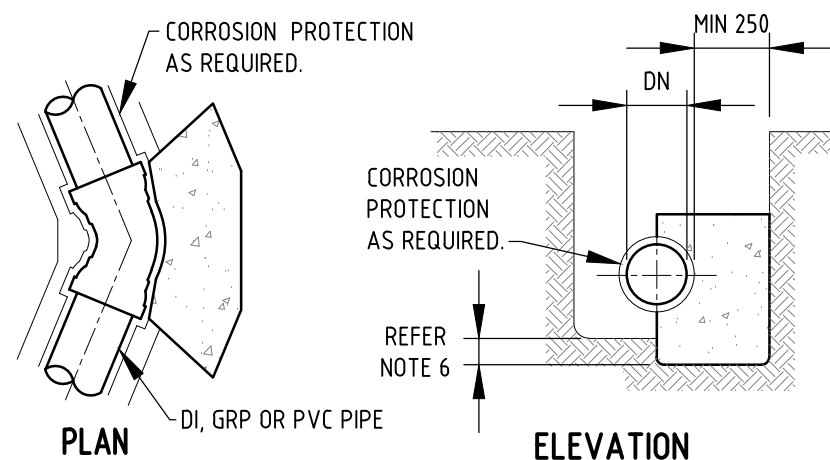
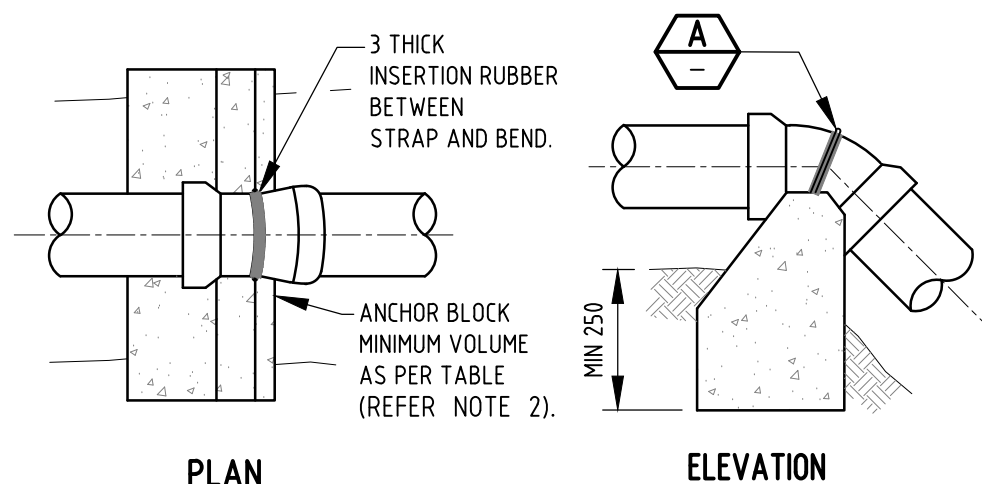


THRUST BLOCK FOR TEES
(FOR HORIZONTAL THRUST)



THRUST BLOCK FOR BENDS
(FOR HORIZONTAL THRUST)



VERTICAL BENDS

			AHBP kPa	TABLE 1					
				SOIL CLASSIFICATION REFER 4005-30003-05					
				50		100		200	
PRESSURE (kPa)				1000	1600	1000	1600	1000	1600
DN	100	HOR. BEND	11.25	N	N	N	N	N	N
			22.5	0.10	0.16	N	N	N	N
			45	0.18	0.29	N	N	N	N
			90	0.34	0.54	0.17	0.27	N	N
		TEE			0.24	0.38	0.12	0.19	N
	150	HOR. BEND	11.25	0.10	0.16	N	N	N	N
			22.5	0.20	0.32	0.10	0.16	N	N
			45	0.38	0.61	0.19	0.31	0.10	0.16
			90	0.70	1.12	0.35	0.56	0.18	0.29
		TEE			0.50	0.80	0.25	0.40	0.13
	200	HOR. BEND	11.25	0.17	0.27	N	N	N	N
			22.5	0.33	0.53	0.17	0.27	N	0.10
			45	0.65	1.04	0.33	0.53	0.17	0.27
			90	1.20	1.92	0.60	0.96	0.30	0.48
		TEE			0.85	1.36	0.43	0.69	0.22
	250	HOR. BEND	11.25	0.21	0.34	0.13	0.21	N	N
			22.5	0.51	0.82	0.26	0.42	0.13	0.21
			45	0.99	1.58	0.50	0.80	0.25	0.40
			90	1.82	2.91	0.91	1.46	0.46	0.74
		TEE			1.29	2.06	0.65	1.04	0.33
	300	HOR. BEND	11.25	0.37	0.59	0.19	0.30	0.10	0.16
			22.5	0.73	1.17	0.37	0.59	0.19	0.30
			45	1.43	2.29	0.72	1.15	0.36	0.58
			90	2.65	4.24	1.33	2.13	0.67	1.07
TEE			1.87	3.00	0.94	1.50	0.47	0.75	
375	HOR. BEND	11.25	0.56	0.90	0.28	0.45	0.14	0.22	
		22.5	1.12	1.79	0.56	0.90	0.28	0.45	
		45	2.18	3.49	1.09	1.74	0.55	0.88	
		90	4.03	6.45	2.02	3.23	1.01	1.61	
	TEE			2.85	4.56	1.43	2.29	0.72	1.15