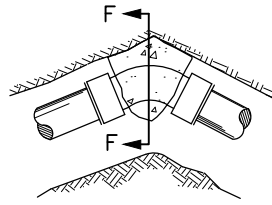
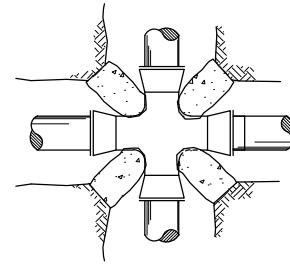


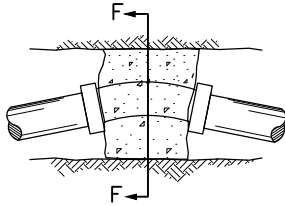
HORIZONTAL 90° BEND



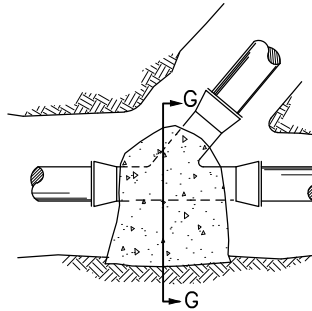
45° BENDS



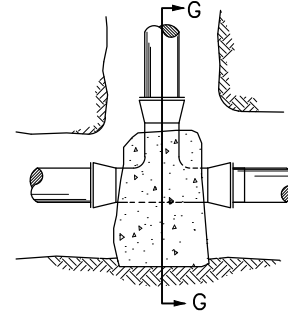
CROSS



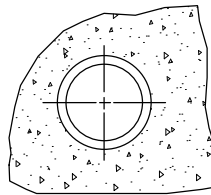
11.25° BEND



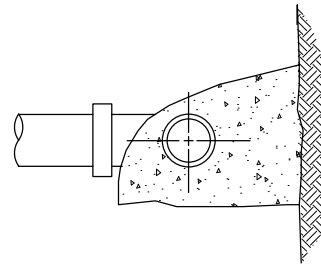
ANGLE TEE



TEE



SECTION F-F



SECTION G-G

REQUIRED THRUST BLOCK BEARING AREA (sq.m)

FITTINGS	PIPE DIA.	150	200	250	300	350	400	450	600
VALVES & DEAD END TEES		0.32	0.55	0.85	1.20	1.44	1.88	2.38	4.24
11.25° BENDS		0.10	0.11	0.17	0.24	0.29	0.38	0.48	0.85
22.5° BENDS		0.13	0.22	0.34	0.48	0.57	0.75	0.94	1.68
45° BENDS		0.25	0.42	0.65	0.92	1.11	1.44	1.82	3.25
90° BENDS		0.45	0.77	1.19	1.68	2.01	2.64	3.33	5.94

NOTES:

1. DESIGN ASSUMPTION
 - a. HYDRAULIC PRESSURE 1035 KPa
 - b. SOIL BEARING 72 KPa
2. TEMPORARY BLOCKING MUST BE APPROVED BY THE ENGINEER
3. CONCRETE SHALL BE 25 MPa AT 28 DAY STRENGTH
4. CONCRETE SHALL BE CLEAR OF BELLS AND PIPE AND UNDER ALL FITTINGS
5. ALL FITTINGS TO BE WRAPPED IN POLY PRIOR TO POURING



Engineering
Department

REACTION BLOCK DETAILS

DATE: OCTOBER, 2020

STD DWG

A2.2