BEARING AREA OF THRUST BLOCKS = (SQ. FT.) PLUGGED CROSS & PLUGGED RUN TEE = 90° BEND							VOLUME = (CU. FT.)		
FITTING SIZE (INCHES)	TEE WYE	STRADDLE BLOCK	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND	45° GRAVITY BEND	22-1/2° GRAVITY BEND	11-1/4° GRAVITY BEND
2	*	*	*	*	*	*	*	*	*
4	1.7	2.1	2.4	1.3	*	*	13	8	5
6	3.7	4.9	5.3	2.9	1.5	*	29	15	8
8	6.7	8.7	9.5	5.1	2.7	1.3	51	27	13
10	10.5	13.6	14.8	8.0	4.1	2.0	80	41	20
12	15.1	19.6	21.3	11.6	5.9	2.9	116	59	29
14	20.5	26.6	29.0	15.8	8.0	3.9	158	80	39
16	26.8	34.8	37.9	20.5	10.4	5.2	205	104	52
18	33.9	44.0	47.9	25.9	12.8	6.7	259	128	67
20	41.8	54.3	59.1	32.0	15.8	8.3	320	158	83
24	60.3	78.2	85.1	46.0	45.5	11.9	460	455	119
LARGER	**	**	**	**	**	**	**	**	**

NOTES:

1. ALL VALUES ARE BASED ON THE FOLLOWING ASSUMPTIONS: AVG. PRESSURE - 100 PSI X 2 (SAFETY FACTOR); 1,500 PSF SOIL BEARING CAPACITY.

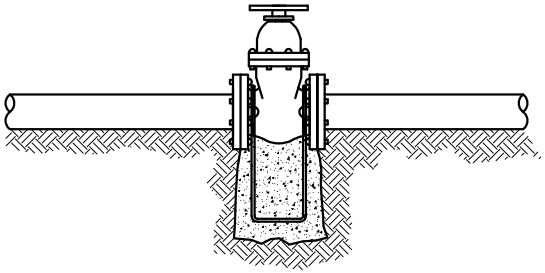
2. ALL FITTINGS SHALL BE WRAPPED IN PLASTIC PRIOR TO PLACEMENT OF CONCRETE.

3. BEARING SURFACE OF THRUST BLOCKING SHALL BE AGAINST UNDISTURBED SOIL.

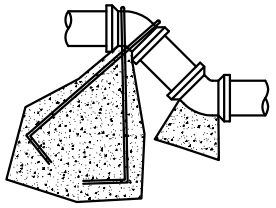
4. ALL CONCRETE MIX SHALL HAVE A MIN. 28 DAY STRENGTH OF 2,000 PSI.

* = BLOCK TO UNDISTURBED TRENCH WALLS.

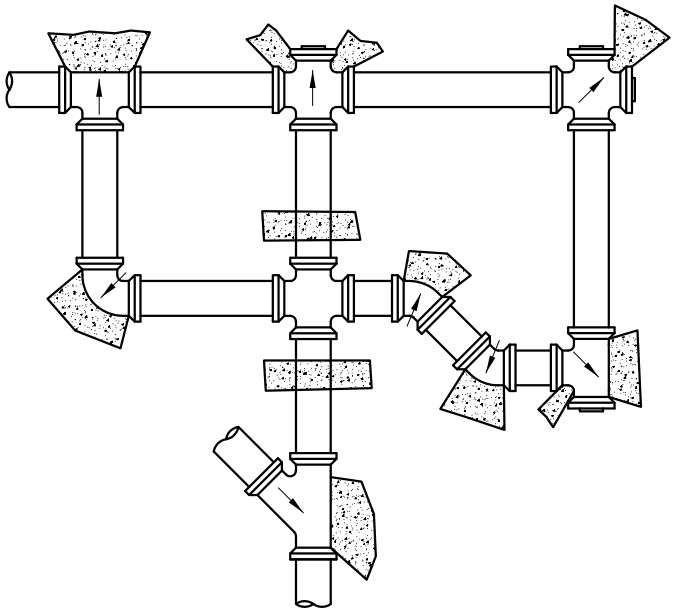
** = THRUST BLOCKS FOR LARGER PIPE WILL BE DESIGNED BY THE ENGINEER.



HIGH PRESSURE THRUST BLOCK



VERTICAL THRUST BLOCK



TYPICAL THRUST BLOCKING

ROCKWOOD WATER PEOPLE'S UTILITY DISTRICT

19601 NE HALSEY ST., PORTLAND, OR 97230-7489, OFFICE: (503) 665-4179, FAX: (503) 667-5108

DRAWN BY: J. HUDSON

DATE: JANUARY 2, 2015

SCALE: N.T.S.

DWG NO: SD-50