



THRUST BLOCK BEARING AREA (sq. ft.)

TYPE OF FITTING	90° BEND	45° BEND	11 1/4° OR 22 1/2° BEND	TEE OR DEAD END
SIZE OF PIPE	4"	3	2	2
	6"	6	3	4
	8"	10	6	7
	10"	15	9	11
	12"	22	12	16
	14"	30	16	21
	16"	38	21	27
	18"	48	26	34
	24"	88	47	61
	30"	134	73	37

NOTE:

1. ALL WORK MUST BE INSPECTED PRIOR TO BACKFILL.
2. CONSTRUCT THRUST BLOCKS W/4000 PSI CONCRETE—CURE MINIMUM 5 DAYS
3. AREAS ARE BASED ON 200 PSI TEST PRESSURE AND 1500 PSF BEARING CAPACITY.
4. BEARING AREAS, VOLUMES, AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE.
5. BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.
6. WRAP ALL FITTINGS WITH 8-MIL POLYETHYLENE FILM AFTER APPLYING 2 FIELD COATS OF NO-OXIDE WAX TO NUTS & BOLTS BEFORE POURING THRUST BLOCKS.
7. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR BEARING CAPACITIES ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF ENGINEER.

REV. NO.	PREPARED BY:	SUMMIT WATER DISTRIBUTION CO.	STANDARD DWG. NO.
1. 8/20/97 2. 6/18/01 3. 12/31/15	 <b>Bowen Collins &amp; Associates, Inc.</b> CONSULTING ENGINEERS	<b>THRUST BLOCK DETAIL</b>	<b>3</b>