

DEAD END, TEE OUTLET, CROSS, & TAPPING SLEEVE

PIPE DIA.	STATIC WATER PRESSURE—P.S.I.										
	100	110	120	130	140	150	160	170	180	190	200
4"&6"	2.5	2.5	3.0	3.0	3.0	3.5	3.5	4.0	4.0	4.0	4.5
8"	4.0	4.5	4.5	5.0	5.5	6.0	6.0	6.5	7.0	7.5	7.5
10"	6.0	6.5	7.5	8.0	8.5	9.0	9.5	10.0	11.0	11.5	12.0
12"	8.5	9.5	10.5	11.0	12.0	13.0	14.0	14.5	15.5	16.5	17.0
16"	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.0	30.5

BENDS

PIPE DIA.	BEND	STATIC WATER PRESSURE—P.S.I.										
		100	110	120	130	140	150	160	170	180	190	200
4" & 6"	90°	3.0	3.5	4.0	4.0	4.5	4.5	5.0	5.5	5.5	6.0	6.0
	45°	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	3.5	3.5
	22½°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0
	11¼°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8"	90°	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.5	10.0	10.5	11.0
	45°	3.0	3.5	3.5	4.0	4.0	4.5	5.0	5.0	5.5	5.5	6.0
	22½°	1.5	2.0	2.0	2.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0
	11¼°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5
10"	90°	8.5	9.5	10.0	11.0	12.0	12.5	13.5	14.5	15.0	16.0	17.0
	45°	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.0
	22½°	2.5	2.5	3.0	3.0	3.5	3.5	4.0	4.0	4.5	4.5	5.0
	11¼°	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.5	2.5	2.5
12"	90°	12.0	13.5	14.5	16.0	17.0	18.0	19.5	20.5	22.0	23.0	24.0
	45°	6.5	7.5	8.0	8.5	9.5	10.0	10.5	11.0	12.0	12.5	13.0
	22½°	3.5	4.0	4.0	4.5	5.0	5.0	5.5	6.0	6.0	6.5	7.0
	11¼°	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	3.5	3.5
16"	90°	21.5	23.5	26.0	28.0	30.0	32.0	34.5	36.5	38.5	40.5	43.0
	45°	11.5	13.0	14.0	15.0	16.5	17.5	18.5	20.0	21.0	22.0	23.5
	22½°	6.0	6.5	7.5	8.0	8.5	9.0	9.5	10.0	11.0	11.5	12.0
	11¼°	3.0	3.5	3.5	4.0	4.5	4.5	5.0	5.0	5.5	6.0	6.0

NOTES:

1. AREA REQUIREMENTS ARE BASED UPON 1 ½ TIMES STATIC WATER PRESSURE, AND SOIL BEARING PRESSURE OF 2000 LBS/SQ FT. DESIGN ENGINEER SHALL DETERMINE SIZES FOR OTHER SOIL BEARING VALUES.
2. UNITS OF AREA REQUIREMENTS ARE "SQUARE FEET."
3. SEE STD. NO. W-140 FOR TYPICAL THRUST BLOCK DETAILS.
4. THRUST BLOCK WIDTH SHALL BE BETWEEN ONE AND TWO TIMES ITS HEIGHT.
5. DESIGN ENGINEER SHALL DETERMINE SIZES FOR PIPE LARGER THAN 12" AND SUBMIT TO UTILITIES FOR APPROVAL.

THRUST BLOCK AREA REQUIREMENTS

CITY OF MONTEREY PARK

PUBLIC WORKS DEPARTMENT—WATER DIVISION

STANDARD NO.

W-142

	BY	DATE
DRAWN	XX	XX/XX/XX
REVISED	XX	XX/XX/XX
CHANGED	XX	XX/XX/XX

APPROVED
WATER UTILITY MANAGER

[Signature]

DATE

12/10/24

APPROVED
CITY ENGINEER

DATE

12/11/24

SHEET 1 OF 1