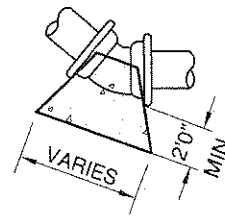


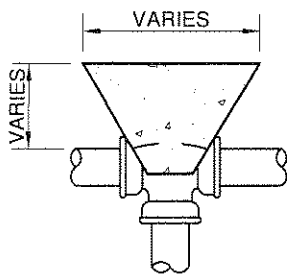
90° BEND

PIPE DIA	BEARING AREA
16"	38 S.F.
14"	28 "
12"	22 "
10"	15 "
8"	9 "
4"-6"	5 "



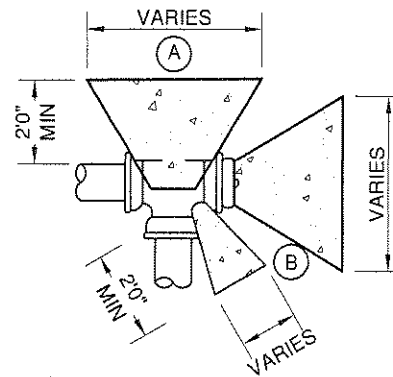
45° BEND

PIPE DIA	BEARING AREA
16"	20 S.F.
14"	16 "
12"	12 "
10"	8 "
8"	5 "
6"	3 "
4"	2 "



90° BEND

PIPE DIA	BEARING AREA
16"	27 S.F.
14"	20 "
12"	15 "
10"	10 "
8"	7 "
4"-6"	4 "



BLIND FLANGE TEE

PIPE DIA	BEARING AREA	
	(A)	(B)
16"	27 S.F.	12 S.F.
14"	20 "	8 "
12"	15 "	6 "
10"	10 "	4 "
8"	7 "	3 "
4"-6"	4 "	2 "

NOTES:

1. BEARING AREAS DESIGNED FOR MAX. 1000 PSF SOIL BEARING PRESSURE
2. BEARING AREAS MAY BE INCREASED AT THE OPTION OF CITY ENGINEER IF ALLOWABLE SOIL BEARING IS LESS THAN 1500 PSF
3. CONCRETE SHALL BE CLASS 5-B-2000 (207-14.7) BEARING AREAS OF BLOCK IN LINE OF RESULTANT THRUST SHALL BE AGAINST UNDISTURBED EARTH

APPROVED:

Mawin Youssef
P.W. DIRECTOR / CITY ENGINEER



REVISED DATE: 5/15/08

City of Westminster

DEPARTMENT OF PUBLIC WORKS

WATER MAIN
THRUST BLOCK

STANDARD NUMBER

402