

VERTICAL BENDS

NOMINAL PIPE SIZE (INCHES)	TEST PRESSURE (PSI)	BENDS LESS THAN OR EQUAL TO ANGLE												ALL BENDS
		11-1/4°			22-1/2°			45°			90°			
		D	E	F	D	E	F	D	E	F	D	E	F	
4" & 6"	200	1'-6"	3'-0"	1'-0"	2'-0"	4'-0"	1'-0"	3'-0"	5'-6"	1'-0"	4'-0"	7'-0"	2'-0"	8"
8"	200	2'-0"	4'-0"	1'-0"	2'-6"	5'-0"	1'-0"	3'-6"	7'-0"	2'-0"	5'-0"	10'-0"	3'-6"	10"
10"	200	2'-0"	4'-6"	1'-0"	3'-0"	6'-0"	1'-6"	4'-0"	9'-0"	3'-0"	6'-0"	12'-0"	5'-0"	1'-0"
12"	200	2'-6"	5'-0"	1'-0"	3'-6"	7'-0"	2'-0"	5'-0"	10'-0"	4'-0"	7'-0"	14'-0"	7'-0"	1'-0"

HORIZONTAL BENDS

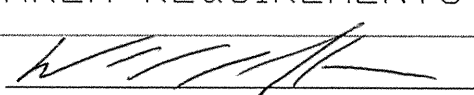
NOMINAL PIPE SIZE (INCHES)	TEST PRESSURE (PSI)	DEAD ENDS AND TEES			CROSSES			BENDS LESS THAN OR EQUAL TO ANGLE								ALL BENDS
		A	B	C	A	B	C	11-1/4°		22-1/2°		45°		90°		
								A	B	A	B	A	B	A	B	
4" & 6"	200	2'-6"	1'-6"	6"	2'-0"	1'-0"	6"	1'-0"	1'-0"	2'-0"	1'-0"	3'-0"	1'-0"	3'-6"	1'-6"	8"
8"	200	4'-6"	1'-6"	8"	2'-0"	1'-6"	8"	1'-6"	1'-0"	3'-0"	1'-0"	3'-6"	1'-6"	5'-0"	2'-0"	10"
10"	200	5'-6"	2'-0"	10"	2'-6"	2'-0"	10"	2'-0"	1'-0"	3'-0"	1'-6"	4'-0"	2'-0"	6'-0"	2'-6"	1'-0"
12"	200	7'-6"	2'-0"	1'-0"	3'-6"	2'-0"	1'-0"	2'-0"	1'-6"	3'-0"	2'-0"	4'-6"	2'-6"	7'-0"	3'-0"	1'-0"

NOTES:

- THRUST BLOCK SIZES ARE BASED ON A BEARING CAPACITY OF 1500 P.S.F., WITH A MINIMUM SOIL COVER OF 3'-0".  
FOR SOIL COVER OF 2'-0" TO 3'-0", MULTIPLY BEARING AREA BY A FACTOR OF 1.5  
FOR SOIL COVER OF 1'-0" TO 2'-0", MULTIPLY BEARING AREA BY A FACTOR OF 3
- DIMENSIONS SHOWN REFER TO THRUST BLOCK TYPES SHOWN ON DETAIL, AND ARE MINIMUM VALUES ONLY.
- CONCRETE MIX SHALL CONFORM TO SPECIFICATIONS FOR 3000 LBS. STRENGTH AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH ASTM C39.
- ALL THRUST BLOCKS SHALL BE POURED SOLIDLY AGAINST FIRM, UNDISTURBED SOIL.
- CONTRACTOR SHALL NOTIFY THE ENGINEERING DIRECTOR IF SOILS HAVE BEEN PREVIOUSLY EXCAVATED AND BACKFILLED. THE DIRECTOR MAY REQUIRE THAT THE DIMENSIONS SHOWN BE INCREASED BY A FACTOR OF 1.5.
- CONCRETE POURED AGAINST PIPE FITTINGS SHALL BE PLACED SO THAT VALVES AND FITTINGS ARE ACCESSIBLE FOR REPAIR.
- WHERE WATER MAIN DEAD ENDS ARE BLIND FLANGED OR CAPPED, THE THRUST BLOCK SHALL EXTEND A MINIMUM DISTANCE OF 6" INTO BOTH SIDES OF THE TRENCH.

ACCOMPANYING STD. W-300

CITY OF LOMITA - PUBLIC WORKS DEPARTMENT

DATE ISSUED AUG 1, 2007	THRUST BLOCK AREA REQUIREMENTS	STANDARD NO.  W-142
DRAWN BY: HIVDEV S. BRAR DATE: AUG 14, 2007	WENDELL E. JOHNSON, CITY ENGINEER CERTIFICATION NO. C 66340 	SHEET 1 OF 1