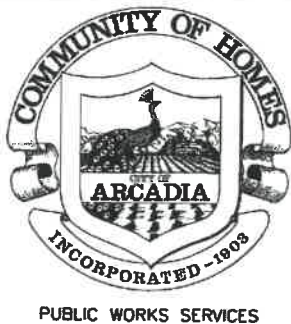
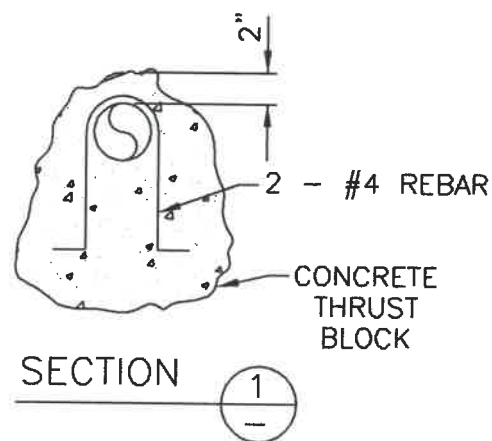
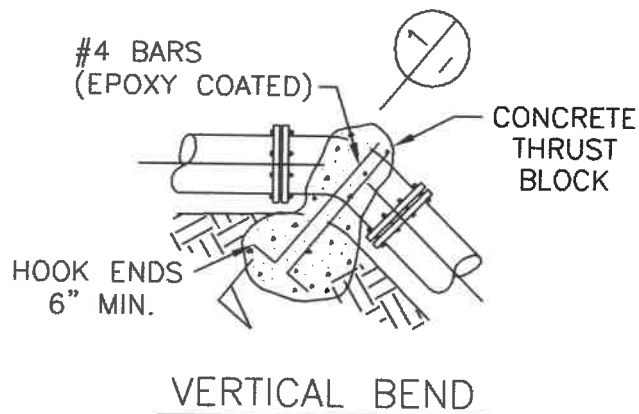
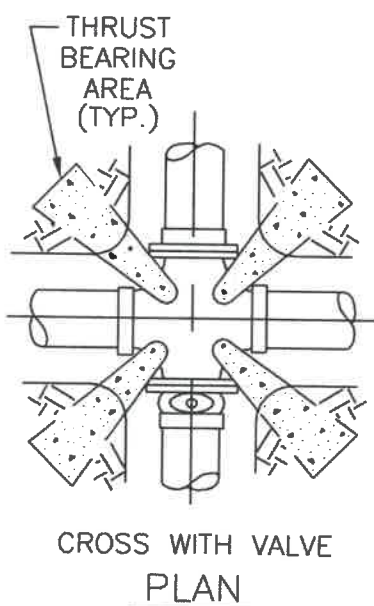
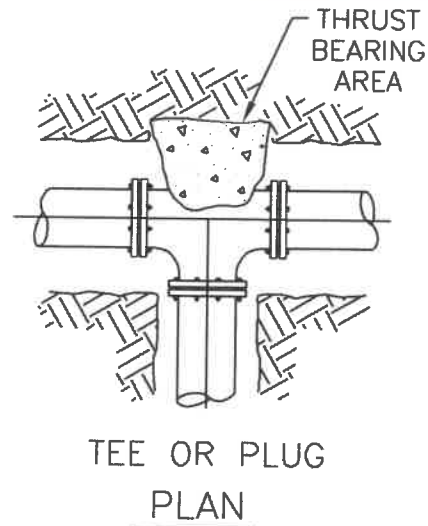
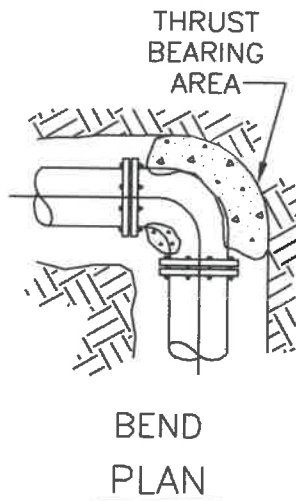
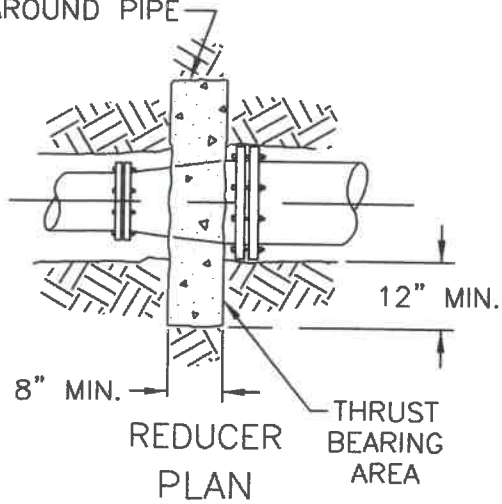


CONSTRUCT
SYMMETRICAL
AROUND PIPE



THRUST AND ANCHOR BLOCKS

APPROVED:

CITY OF ARCADIA - PUBLIC WORKS SERVICES DIRECTOR

8/15/00
DATE

APPROVED:

CITY OF ARCADIA - CITY ENGINEER

14527
RCE No.

7/27/00
DATE

REVISIONS:	DATE	REVISIONS:	DATE
1		2	
3		4	

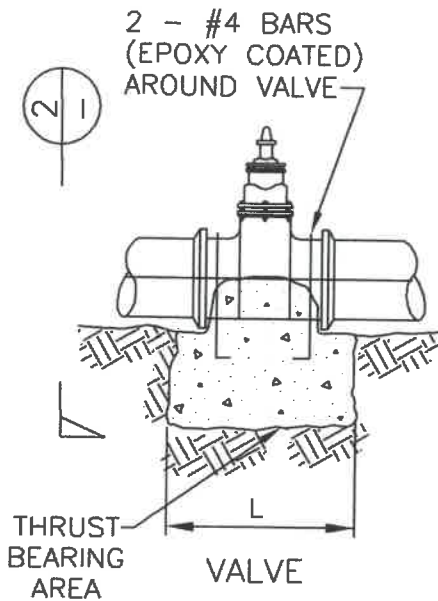
SCALE: NOT TO SCALE

STANDARD PLAN NUMBER

710

SHEET 1 OF 2

THRUST BEARING AREA (SQUARE FEET)

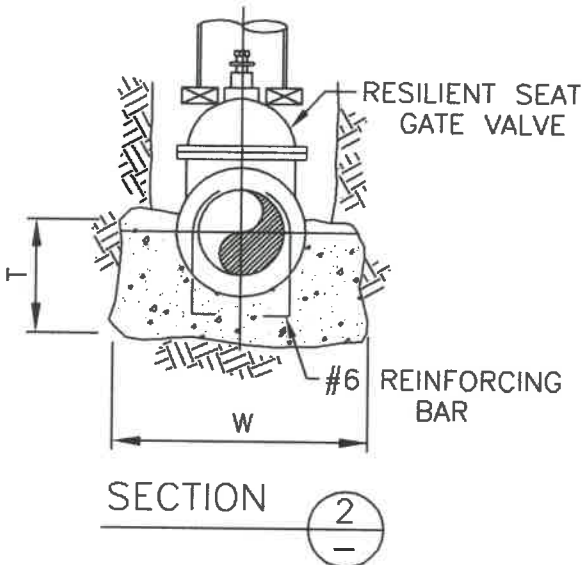


PIPE SIZE		6"	8"	10"	12"
TEST PRESSURE (PSI)		150	150	150	150
BENDS	90°	4.0	7.1	11.1	16.0
	45°	2.2	3.8	6.0	8.7
	22.5°	2.0	2.0	3.1	4.4
	11.25°	2.0	2.0	2.0	2.2
PLUG		5.7	10.1	15.7	22.6
TEE/VALVE		2.8	5.0	7.9	11.3
CROSS *		2.8	5.0	7.9	11.3
REDUCER		2.0	4.0	7.0	10.0

* WITH A VALVE

TABLE(S) BASED ON SOIL BEARING VALUE OF 1500 lb. PER SQUARE FOOT.

CALCULATIONS MUST BE SUBMITTED FOR OTHER SOIL BEARING VALUES OR OTHER TEST PRESSURE IN WATER MAIN.



VERTICAL ANCHOR (CUBIC FEET OF P.C.C.)

PIPE SIZE		6"	8"	10"	12"
TEST PRESSURE (PSI)		150	150	150	150
BENDS	90°	62	111	173	249
	45°	44	78	122	176
	22.5°	24	42	66	95
	11.25°	12	22	34	49

NOTES:

- THRUST BLOCKS MUST BEAR ON UNDISTURBED SOIL.
- CONCRETE FOR THRUST & ANCHOR BLOCKS SHALL BE OF CLASS 480-C-2000 IN ACCORDANCE WITH S.S.P.W.C. IT SHALL BE POURED (12" THICK MIN.) AGAINST UNDISTURBED SOIL. P.C.C. SHALL BE KEPT CLEAR OF JOINTS & BOLTS.
- WHEN BOLTED JOINTS ARE UTILIZED, SET FORMS TO SEPARATE BOLTS FROM P.C.C. TO ASSURE ACCESS TO BOLTS & JOINTS.

VALVE AND PIPE SIZE	(L) LENGTH	(W) WIDTH	(T) THICKNESS
6"	2'	2'-0"	12"
8"	3'	2'-2"	14"
10"	3'	2'-4"	14"
12"	4'	2'-6"	15"



PUBLIC WORKS SERVICES

THRUST AND ANCHOR BLOCKS

APPROVED:

CITY OF ARCADIA - PUBLIC WORKS SERVICES DIRECTOR

APPROVED:

CITY OF ARCADIA - CITY ENGINEER

8/15/00
DATE

14527
RCE No.

7/27/00
DATE

REVISIONS:	DATE	REVISIONS:	DATE
A		A	
A		A	
SCALE: NOT TO SCALE			
STANDARD PLAN NUMBER			
710			
SHEET 2 OF 2			