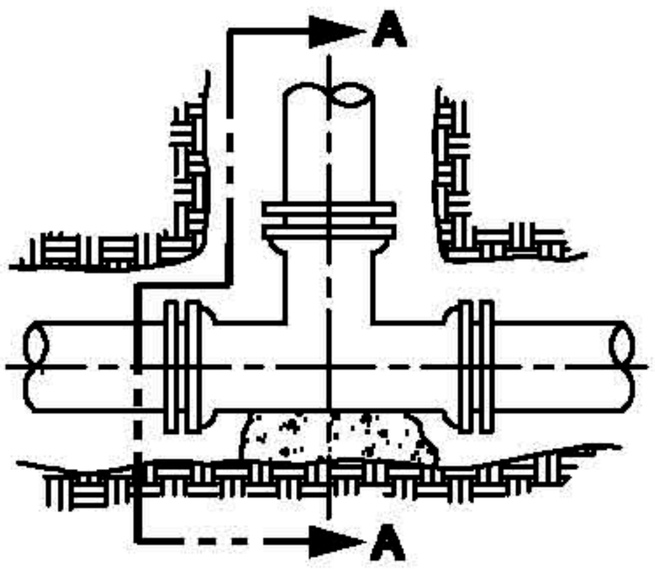
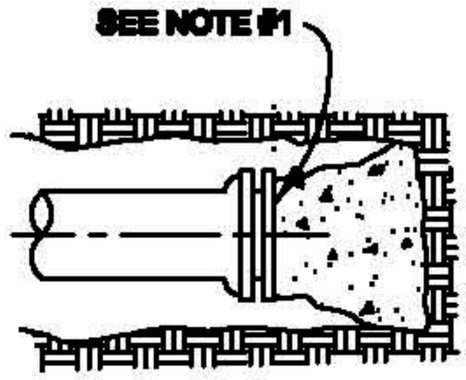
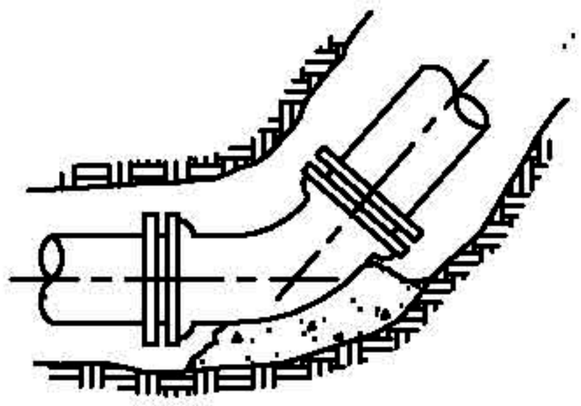
MEG-A-LUGS ARE REQUIRED UNLESS APPROVED BY CITY



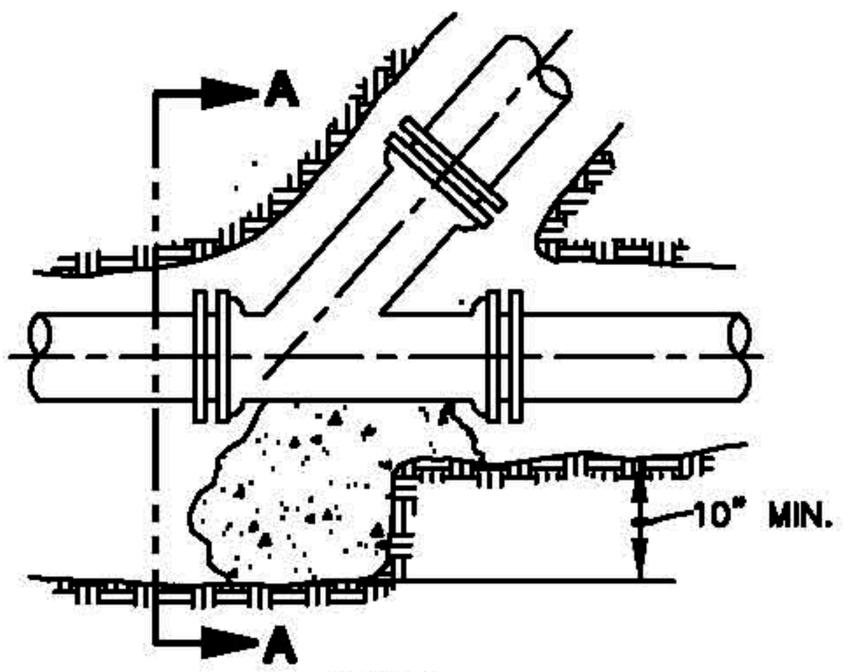
TEE



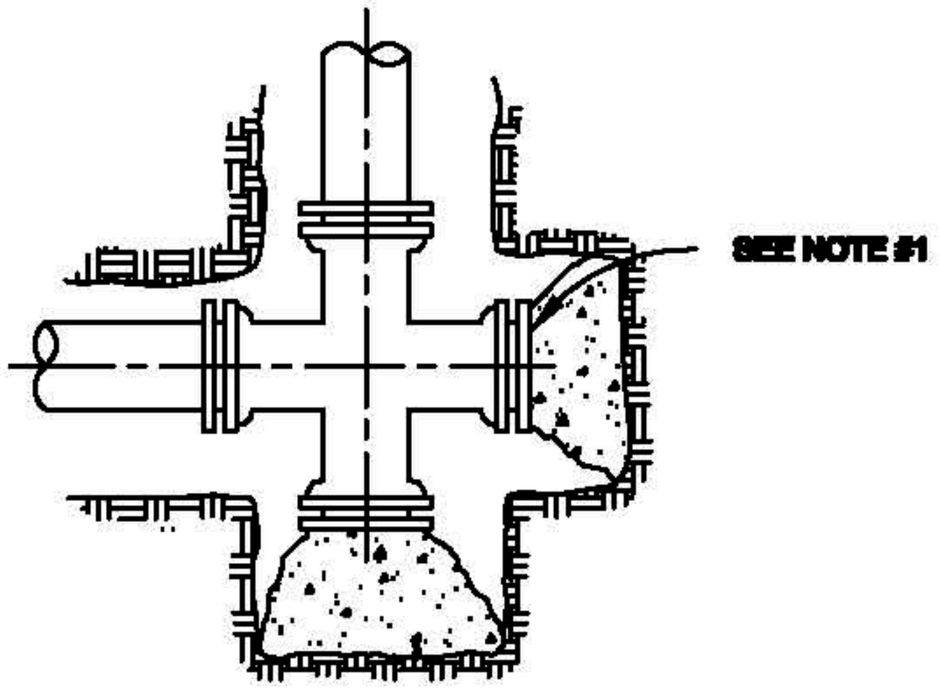
DEAD END



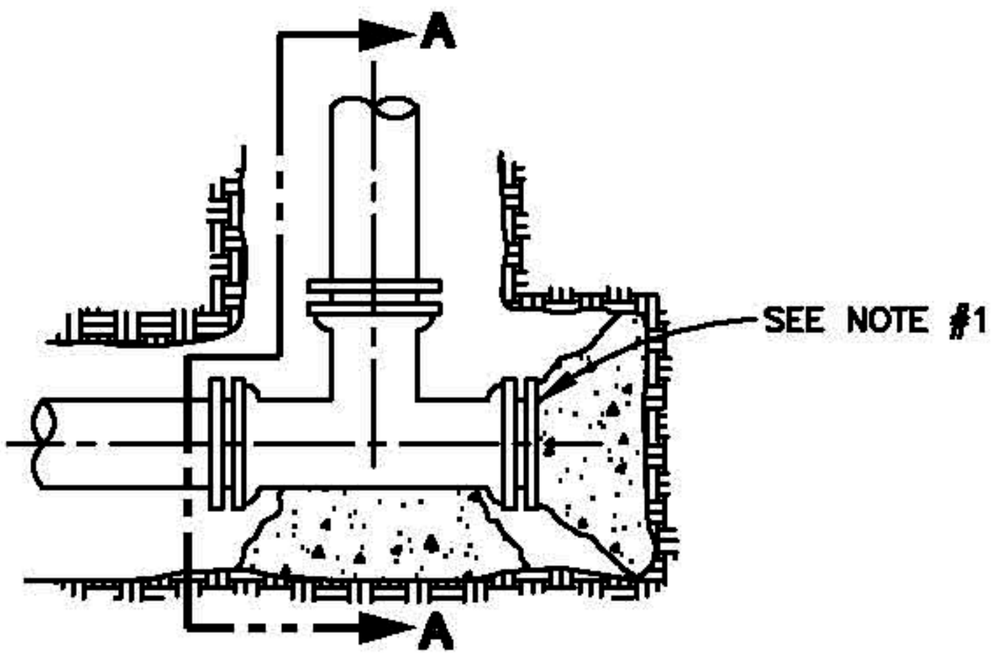
BEND HORIZONTAL OR BOTTOM OF VERTICAL



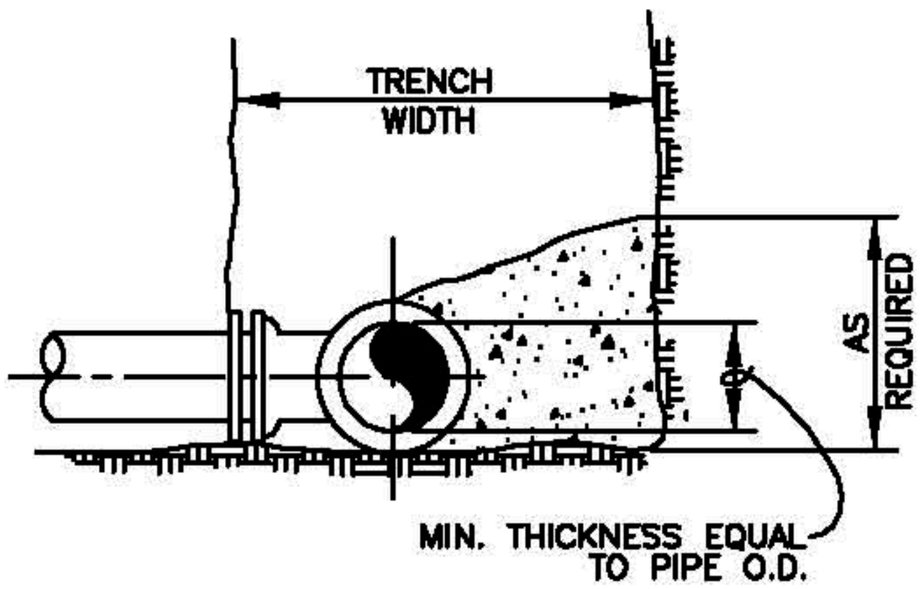
WYE



CROSS W/ DEAD END BRANCH



TEE W/ DEAD END BRANCH



SECTION A-A

NOTES

1. AT DEAD ENDS, WRAP FITTINGS WITH TAR PAPER, FELT, PLASTIC ETC. TO PROVIDE BOND BREAK BETWEEN CONCRETE AND FITTINGS.
2. ALL THRUST BLOCKING SHALL BE CAST–IN–PLACE CONCRETE HAVING A MINIMUM YIELD STRENGTH OF 2000 P.S.I.
3. THRUST BLOCKING SHALL BE CAST AGAINST UNDISTURBED EARTH. FORMS SHALL BE USED AS REQUIRED TO OBTAIN ADEQUATE BEARING AREA AND TO CONFINE THE CONCRETE THRUST BLOCKING SHALL BEAR ON THE FITTING OR END CAP ONLY AND SHOULD NOT BE ALLOWED TO SPILL OVER THE JOINT OR AGAINST THE PIPE.

CONSTRUCTION STANDARDS

THRUST BLOCKS

STANDARD No. D–210 SHEET 1 OF 2

CITY OF AZTEC

PUBLIC WORKS DEPARTMENT

MEG-A-LUGS ARE REQUIRED UNLESS APPROVED BY CITY

TABLE OF BEARING AREAS IN SQ. FT FOR CONCRETE THRUST BLOCKING

FOR 150 P.S.I. INTERNAL STATIC PRESSURE AND 2000 LBS. PER SQ. FT SOIL BEARING CAPACITY.

PIPE SIZE	BENDS				TEES	PLUGS
	90°	45°	22 1/2°	11 1/4°		
4	1.50	0.75	0.50	0.0	1.00	1.00
6	3.00	1.75	1.00	0.0	2.25	2.25
8	5.50	3.00	1.50	1.00	3.75	3.75
10	8.50	4.50	2.50	1.50	6.00	6.00
12	12.00	6.50	3.50	1.75	8.50	8.50
14	16.50	9.00	4.50	2.25	11.50	11.50
16	21.50	11.50	6.00	3.00	15.00	15.00
18	27.00	14.75	7.50	3.75	19.00	19.00
20	33.50	18.00	9.25	4.75	23.50	23.50
24	48.00	26.00	13.25	6.75	34.00	34.00
30	75.25	40.75	20.75	10.50	53.00	53.00
36	108.25	58.50	30.00	15.00	76.50	76.50

AREAS GIVEN IN TABLE ARE BASED UPON AN INTERNAL STATIC PRESSURE OF 150 P.S.I. AND A SOIL BEARING CAPACITY OF 2000 LBS. PER SQ. FT. BEARING AREAS FOR ANY PRESSURE AND SOIL BEARING CAPACITY MAY BE OBTAINED BY MULTIPLYING THE TABULATED VALUES BY A CORRECTION FACTOR "F".

$$F = \frac{\text{ACTUAL SPECIFIED TEST PRESSURE IN HUNDREDS OF LBS.}}{\text{ACTUAL SOIL BEARING CAPACITY IN THOUSANDS OF LBS.}}$$

EXAMPLE: TO FIND BEARING AREA FOR 8" – 90° BEND WITH A STATIC INTERNAL PRESSURE OF 100 P.S.I. AND WITH A SOIL BEARING CAPACITY OF 3000 LBS. PER SQ. FT.

F= 1÷3 = .33 TABULATED VALUE = 550 SQ. FT.
0.33 X 550 = 1.82 SAY 2 SQ. FT. OR 2 FT. LONG BY 1 FT. HIGH

CONSTRUCTION STANDARDS

THRUST BLOCKS

STANDARD No. D–210 SHEET 2 OF 2

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