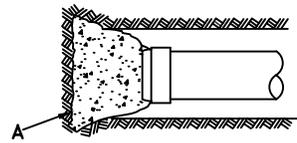
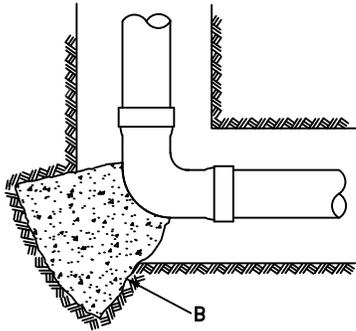


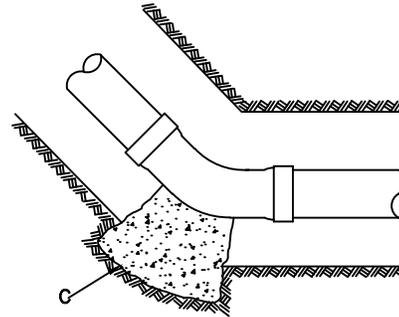
TYPICAL SECTION



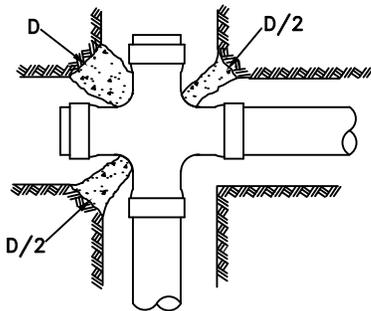
DETAIL A
PLUG



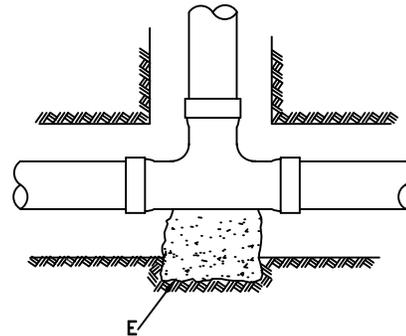
DETAIL B
90°



DETAIL C
C1=45°
C2=22 1/2°
C3=11 1/4°



DETAIL D



DETAIL E

REQUIRED BEARING AREAS - SQUARE FEET							
PIPE SIZE*	A	B	C1	C2	C3	D	E
4"	1.5	2.0	1.1	0.5	0.5	2.0	1.4
6"	3.0	4.0	2.2	1.1	1.0	4.0	2.9
8"	5.1	7.0	3.8	1.9	1.0	7.0	4.9
10"	8.3	11.4	6.2	3.1	1.5	11.4	8.1
12"	11.7	16.2	8.8	4.5	2.2	16.2	11.5
14"	15.9	22.0	11.9	6.0	3.0	22.0	15.6
16"	20.5	28.5	15.4	7.7	3.9	28.5	20.2

* FOR PIPE CLASS 150 (150 PSI)

NOTES:

1. ALL CONCRETE SHALL BE CLASS 'B' (2500 PSI)
2. ALL THRUST BLOCKS SHALL BE KEPT CLEAR OF LUGS.
3. ALL UNSUPPORTED SURFACES SHALL BE FORMED.
4. LETTERS ON DETAILS REFER TO MINIMUM REQUIRED BEARING AREA (SEE TABLE) WHICH IS BASED ON 150 PSI AND 2000 PSF SOIL BEARING. HIGHER PRESSURE SHALL REQUIRE PROPORTIONATELY LARGER BEARING AREAS.
5. THRUST BLOCKS FOR CASES NOT SHOWN SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.
6. ALL THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED EARTH.



CITY OF DALY CITY, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

WATER MAIN THRUST BLOCK

REVIEWED BY: *Richard Chao*
CITY ENGINEER

ADOPTED ON: DEC 10, 2018
CITY COUNCIL

STANDARD
DETAIL

W-13

DATE: NOV 2018