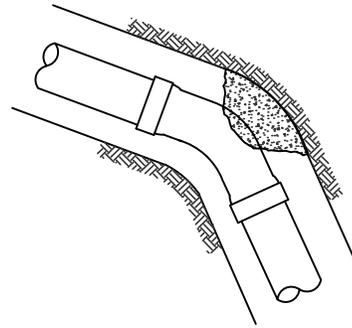
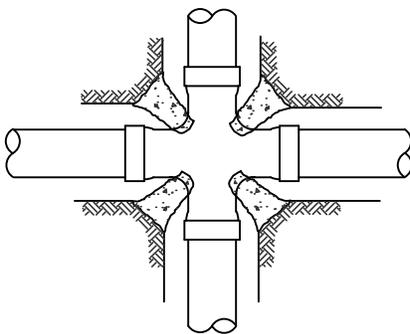


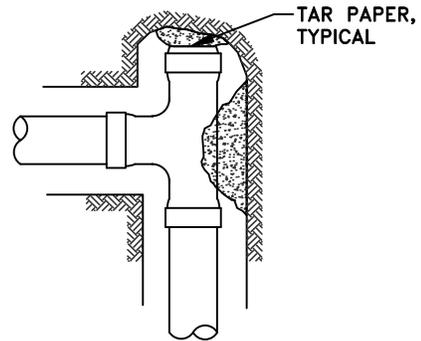
90° ELBOW



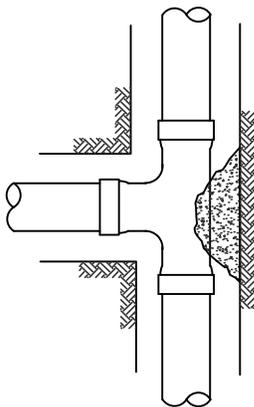
45° ELBOW AND 22-1/2° ELBOW



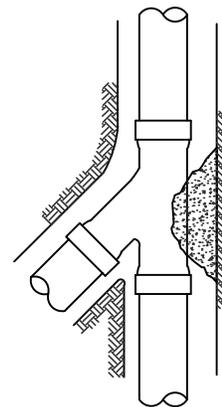
CROSS



PLUG



TEE



WYE

**NOTES:**

1. THRUST BLOCKS ARE TO BE POURED AGAINST UNDISTURBED SOIL.
2. ALL CONCRETE SHALL BE STATE CLASS 'B' CONTAINING 5 SACK OF CEMENT PER CUBIC YARD.
3. ALL CONCRETE THRUST BLOCKS SHALL BE POURED IN PLACE WITHOUT DIRECT THRUST CONTACT TO THE PIPE OR FITTING. TAR PAPER OR OTHER PROTECTIVE MATERIAL SHALL BE PLACED BETWEEN THE CONCRETE AND PIPE OR FITTING.

PIPE SIZE	THRUST BLOCK SCHEDULE					
	BEARING AREAS IN SQUARE FEET					
	TEE	PLUG	WYE	90°	45°	22-1/2°
6"	3	3	3	4	2	1
4" OR LESS	1.5	1.5	1.5	2	1.1	0.5



CITY OF DALY CITY, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

STANDARD  
DETAIL

**IRRIGATION THRUST BLOCKS FOR MAIN LINES**

**PR-9**

REVIEWED BY: *Richard Chao*  
CITY ENGINEER

ADOPTED ON: DEC 10, 2018  
CITY COUNCIL

DATE: NOV 2018