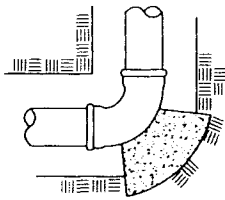
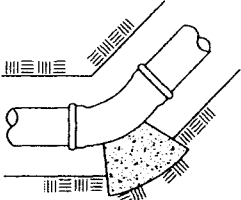
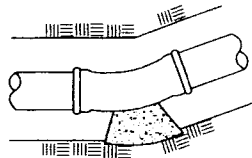
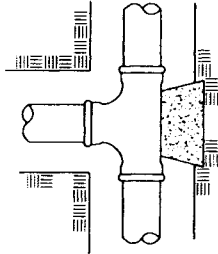
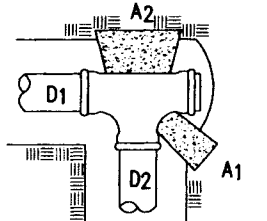
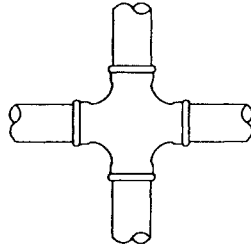


REQUIRED BEARING ~ TOTAL SQUARE FEET

| TYPE OF FITTING | | 90° BEND | 45° BEND | 11 1/2° OR 22 1/2° BEND | |
|----------------------|-----|---|--|---|--|
| TYPICAL INSTALLATION | |  |  |  | |
| SIZE OF PIPE | 4" | 2 | 1 | 1 | |
| | 6" | 4 | 2 | 1 | |
| | 8" | 7 | 4 | 2 | |
| | 10" | 12 | 6 | 3 | |
| | 12" | 16 | 10 | 5 | |
| | 24" | 60 | 30 | 16 | |
| | 30" | 90 | 45 | 25 | |


| TYPE OF FITTING | | TEE OR DEAD END | TEE WITH PLUG | | | | CROSS |
|----------------------|-----|--|---|------|-------|------|--|
| TYPICAL INSTALLATION | |  |  | | | |  |
| SIZE OF PIPE | 4" | 2 | D1 4" | A1 2 | D2 4" | A2 2 | SEE DETAIL W13 |
| | 6" | 3 | 6" | 4 | 6" | 3 | |
| | 8" | 5 | 8" | 6 | 8" | 5 | |
| | 10" | 8 | 10" | 10 | 10" | 8 | |
| | 12" | 12 | 12" | 14 | 12" | 12 | |
| | 24" | 40 | 24" | 55 | 24" | 40 | |
| | 30" | 60 | 30" | 80 | 30" | 60 | |

NOTES:

1. THRUST BLOCKS TO BE CONSTRUCTED OF MINOR CONCRETE.
2. AREAS GIVEN ARE FOR CLASS 150 PIPE AT TEST PRESSURE OF 150 P.S.I. IN SOIL WITH 2,500 P.S.F. BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOIL TYPES SHOULD ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL BY CITY ENGINEER.
3. THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL FOR THE FULL DEPTH OF PIPE.
4. JOINTS TO BE KEPT CLEAR OF CONCRETE.
5. THRUST BLOCKS TO BE IN PLACE 7 (SEVEN) DAYS BEFORE TESTING.
6. ALL PLUGS SHALL BE SECURED WITH THRUST BLOCKS.

THRUST BLOCKS

| | | |
|------|-----------|----|
| | | |
| | | |
| | | |
| DATE | REVISIONS | BY |

| | |
|---|---------|
| CITY OF YUBA CITY | |
| STANDARD DETAIL | |
| W3 | |
|  | 7/21/09 |
| APPROVED | DATE |