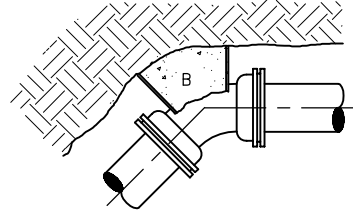
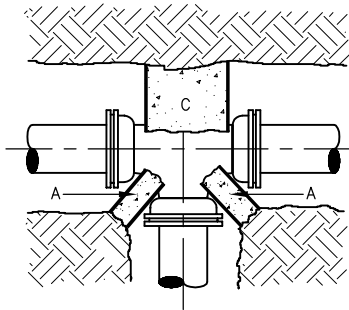


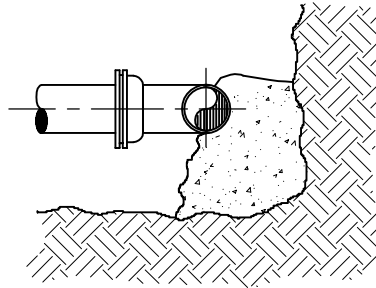
90° BEND



45° BEND



TEE



TYPICAL SECTION

THRUST BLOCK										
THRUST BLOCKS	MINIMUM CU. YDS. CONC.					MIN. SQ. FT. OF BEARING				
	4"	6"	8"	10"	12"	4"	6"	8"	10"	12"
A	.50	.50	.50	.75	.75	4.0	4.0	5.0	8.0	8.0
B	.75	.75	.75	1.0	1.0	6.0	6.0	6.0	8.0	8.0
C	.75	.75	1.25	1.5	1.5	6.0	6.0	7.5	12.0	12.0
D	.75	.75	1.25	1.5	1.5	6.0	6.0	7.5	16.0	16.0

NOTES:

- THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED MATERIAL, WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE ALL LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
- IN THE CASE OF FIRE HYDRANTS, WOOD SHEETING AND COMPACTED ROCK BACKING MAY BE OMITTED WHERE SOLID BEARING CAN BE OBTAINED.
- ON TEES AND BENDS, EXTEND THRUST BLOCK FULL LENGTH. PUT WOOD BLOCKING IN FRONT OF PLUG BEFORE POURING CONCRETE THRUST BLOCK.
- BACKFILL SHALL CONSIST ENTIRELY OF CLEAN SAND AND ROCK FRAGMENTS. ANY MUCK ENCOUNTERED SHALL BE REPLACED WITH ACCEPTABLE BACKFILL.

**JCWSA STANDARD DETAIL C-13
THRUST BLOCKS**

**SCALE: NTS
DATE OF LAST REVISION: 12/06**

**JACKSON COUNTY
WATER & SEWERAGE AUTHORITY**

