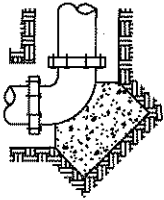
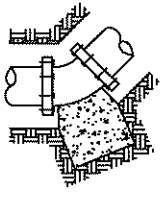
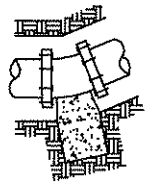
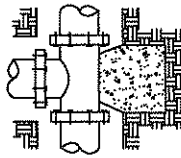
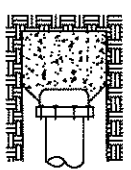
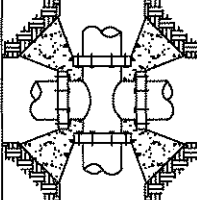


MINIMUM REQUIRED BEARING AREA - TOTAL SQUARE FEET

TYPE OF FITTING		90° BEND	45° BEND	11 1/4° OR 22 1/2° BEND	TEE OR DEAD END	END OF LINE	CROSS
TYPICAL INSTALLATION							
SIZE OF PIPE	4"	4	2	1	2	3	4
	6"	4	2	1	3	3	4
	8"	7	4	2	5	5	7
	10"	12	6	3	8	8	12
	12"	16	10	5	12	11	16

NOTES:

1. CONCRETE THRUST BLOCKS SHALL BE CONSTRUCTED OF TYPE II SIX-SACK PORTLAND CEMENT.
2. AREAS GIVEN ARE FOR CL235 DR 18 AWWA C900-07 PVC, CL305 DR 14 AWWA C900-07 PVC, AND PC350 DIP AT TEST PRESSURE OF 150 P.S.I. IN SOIL WITH MINIMUM 2,000 P.S.F. BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOIL TYPES REQUIRE ADJUSTMENT OF BEARING AREAS ACCORDINGLY.
3. CONCRETE THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.
4. PIPE, JOINTS, AND BOLTS SHALL BE KEPT CLEAR OF CEMENTITIOUS MATERIALS.
5. 10-MIL POLY WRAP SHALL BE INSTALLED BETWEEN FITTINGS AND CONCRETE THRUST BLOCKS.
6. THRUST BLOCKS ARE REQUIRED AT EVERY BEND, TEE, END, AND CROSS ON PIPELINES AND AS DEEMED NECESSARY BY THE DISTRICT INSPECTOR.
7. KEY-IN FROM THE VERTICAL WALL OF TRENCH SHALL BE A MINIMUM OF 8" INTO UNDISTURBED SOIL.
8. CONCRETE THRUST BLOCKS SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 24-HOURS PRIOR TO ANY PRESSURE LOADING OR TRENCH BACKFILLING.



**CITRUS
HEIGHTS
WATER
DISTRICT**

CONCRETE THRUST BLOCK DETAILS

CITRUS HEIGHTS WATER DISTRICT

APPROVED BY:

Robert A. Chubria

DATE: 4/13/2009

CITRUS HEIGHTS WATER DISTRICT

DRAWN: 13 APR 2009

REVISED:

SCALE: N.T.S.

DESIGN: P.A.D.

CAD FILE: TB_001.DWG

PAGE:

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