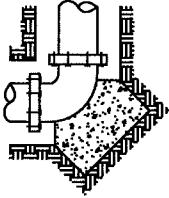
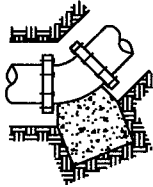
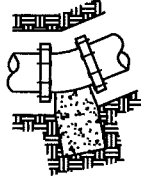
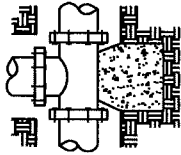
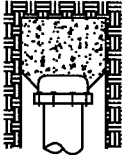
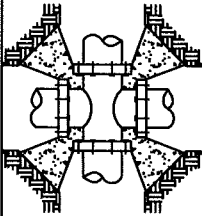


MINIMUM REQUIRED BEARING AREA - TOTAL SQUARE FEET							
TYPE OF FITTING	90° BEND	45° BEND	11 1/4" DR 22 1/2" BEND	TEE OR DEAD END	END OF LINE	CROSS	
TYPICAL INSTALLATION							
SIZE OF PIPE	4"	4	2	1	2	3	4
	6"	4	2	1	3	3	4
	8"	7	4	2	5	5	7
	10"	12	6	3	8	8	12
	12"	16	10	5	12	11	16

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. TRANSPORTING OR USE OF CONCRETE FOR THRUST BLOCKS IN NON-MIXING TRUCKS OR TRAILERS (BUGGIES) IS NOT PERMITTED.
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 AND SHALL BE INSPECTED BY CHWD PRIOR TO POURING CONCRETE.
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. Chumley

CITRUS HEIGHTS WATER DISTRICT

DATE:

5/8/13

DRAWN: 8 MAY 2013

REVISED:

SCALE: N.T.S.

DESIGN: P.A.D.

CAD FILE: TB_001.DWG

PAGE:

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