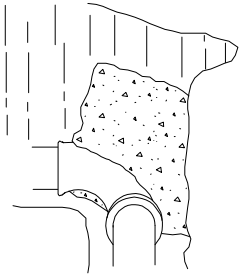
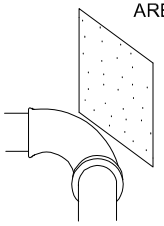
TYPICAL BLOCKING FOR 90° BEND



AREA IN SQ. FT. FOR EACH OF THE FOLLOWING PIPE SIZES.

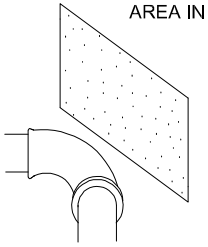
AREA IN SQ. FT.



2 SQ. FT. IN ROCK & 4 SQ. FT. IN OTHER SOILS.

6" CLASS 200

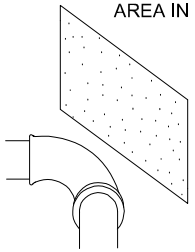
AREA IN SQ. FT.



4 SQ. FT. IN ROCK & 6 SQ. FT. IN OTHER SOILS.

8" CLASS 200

AREA IN SQ. FT.



9 SQ. FT. IN ROCK & 14 SQ. FT. IN OTHER SOILS.

12" CLASS 200

SQUARE FEET OF BLOCKING REQUIRED FOR OTHER THAN ROCK EXCAVATION

PIPE SIZE	TEES & DEAD ENDS	90° BENDS	45° BENDS	22 1/2° BENDS
6"	3	4	2	1
8"	4	6	4	2
12"	10	14	8	4
16"	18	25	14	7

SQUARE FEET OF BLOCKING REQUIRED FOR ROCK EXCAVATION

PIPE SIZE	TEES & DEAD ENDS	90° BENDS	45° BENDS	22 1/2° BENDS
6"	2	2	1	1
8"	3	4	2	1
12"	6	9	5	2
16"	11	15	8	4

ON BASIS OF 200 PSI WATER PRESSURE USED FOR TESTS, THE BLOCKING REQUIRED FOR TWO TYPES OF SOILS ARE NOTED BELOW. IN ONE CASE, A SOIL PRESSURE OF 5000 PSI IS USED FOR ROCK EXCAVATION AND FOR SOILS OTHER THAN ROCK A 3000 PSI BEARING SOIL PRESSURE IS USED. THE DISTRIBUTION ON SYSTEM IS DESIGNED TO OPERATE WITH A MAXIMUM WATER PRESSURE OF 175 PSI ALL CALCULATIONS APPLY TO ALL TYPES OF PIPE APPROVED FOR USE BY CLWSC AND MEETING CLWSC SPECIFICATIONS AND STANDARDS.

TRANSIT 2500 PSI CONCRETE MIX SHALL BE USED HOWEVER FOR SMALL VOLUME REQUIREMENTS CONCRETE MIXED AT JOB SITE WILL BE ACCEPTABLE ONLY IF A CONCRETE MIXER IS USED, ALL AGGREGATE SHALL BE CLEAN AND THE FIELD MIX SHALL BE IN THE RATIO OF 1:3:4 AND CONTAIN NOT LESS THAN 4 SACKS OF CEMENT PER CUBIC YARD.

BLOCKING AREA FOR 200 PSI TESTS AND 175 PSI WORKING PRESSURE

GENERAL NOTES:

BY	REVISION	DATE	CK	AP	OPS

CLWSC
CANYON LAKE
WATER SERVICE COMPANY
1399 Sattler Road
Canyon Lake, Texas 78133
(830) 964-3854

THRUST BLOCKING DETAIL

BY: M.HOMER
DATE: 04-29-10
CK:
SCALE: NONE

OPERATIONS / DATE

ENGINEERING / DATE

DIRECTOR OF ENGINEERING / DATE

REF. NOS.

DWG. NO. TB-HP

SHEET: 1 OF 1