

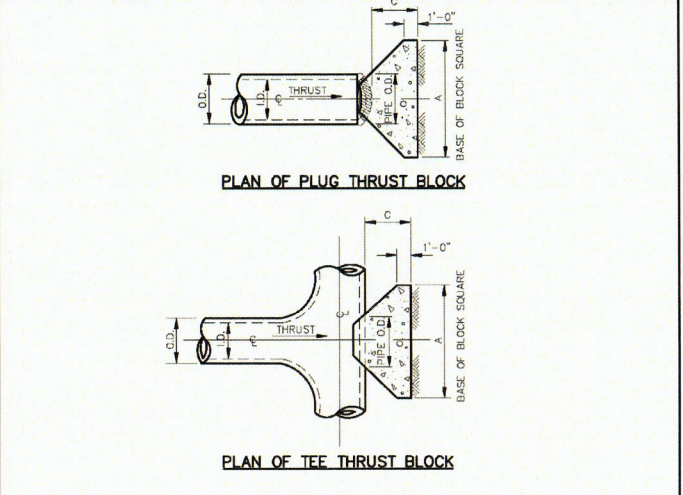
Addison!

TYPICAL FIRE HYDRANT INSTALLATION

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-W16

PUBLIC WORKS DEPARTMENT



I.D. (IN.)	THRUST (TONS)	EARTH		ROCK		
		C (FT.)	A (FT.)	VOL. (C.Y.)	A (FT.)	VOL. (C.Y.)
4.6,8	5.1	1.5	2.5	0.3	2.0	0.2
10,12	11.3	1.5	3.5	0.6	2.5	0.3
16,18	25.5	2.0	5.5	1.6	4.0	0.9
20	31.5	2.0	6.0	1.9	4.0	0.9
24	45.2	2.5	7.0	3.1	5.0	1.7
30	53.0	3.0	7.5	4.1	5.5	2.4
36	76.3	4.0	9.0	7.3	6.5	4.2
42	104.0	4.5	10.5	11.0	7.5	6.2
48	136.0	5.0	12.0	15.6	8.5	8.7

TABLES OF DIMENSIONS AND QUANTITIES

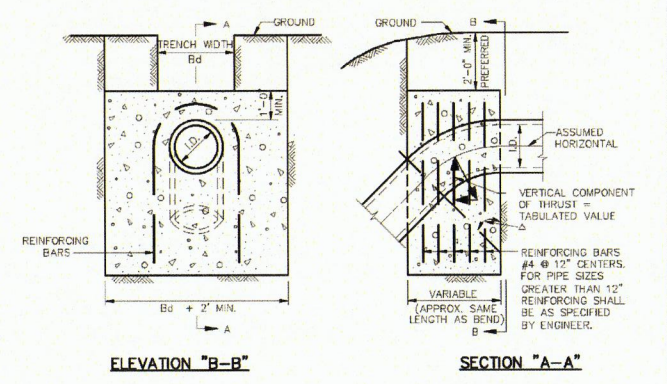
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HORIZONTAL THRUST BLOCK AT TEES & PLUGS

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-W07

PUBLIC WORKS DEPARTMENT



A	11.25"	22.50"	30"	45"	67.50"	90"	A						
I.D. (IN.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	I.D. (IN.)						
4.6,8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4.6,8
10,12	2.2	1.1	4.3	2.2	5.7	2.8	8.0	4.0	10.5	5.2	11.3	5.7	10,12
16,18	5.0	2.5	6.7	4.9	12.7	6.4	18.0	9.0	23.5	11.8	25.5	12.7	16,18
20	6.1	3.1	12.0	6.0	15.7	7.9	22.2	11.1	29.2	14.5	31.4	15.7	20
24	8.2	4.4	17.3	8.7	22.6	11.3	32.0	16.0	41.8	20.9	45.2	22.6	24
30	10.5	5.2	20.3	10.1	26.5	13.3	37.5	18.8	49.0	24.5	53.1	26.5	30
36	14.9	7.5	29.2	14.6	38.2	19.1	54.0	27.0	70.5	35.3	76.4	38.2	36
42	20.3	10.1	39.8	19.9	52.0	26.0	73.5	36.7	96.0	48.0	104.0	52.0	42
48	26.5	13.2	51.9	26.0	67.9	33.9	96.0	48.0	126.0	62.7	136.0	67.9	48
54	33.5	16.8	65.7	32.9	85.9	42.9	122.0	60.7	156.0	79.4	172.0	85.9	54
60	41.4	20.7	81.2	40.6	106.0	53.0	150.0	75.0	196.0	98.0	212.0	106.0	60
66	50.1	25.0	98.2	49.1	128.0	64.2	182.0	90.7	237.0	119.0	257.0	128.0	66
72	59.6	29.8	117.0	58.4	153.0	76.3	216.0	108.0	282.0	141.0	305.0	153.0	72
78	69.9	35.0	137.0	68.6	179.0	90.0	254.0	127.0	331.0	166.0	358.0	179.0	78
84	81.1	40.5	159.0	79.5	208.0	104.0	294.0	147.0	384.0	192.0	416.0	208.0	84
90	93.1	46.5	183.0	91.3	239.0	119.0	337.0	169.0	441.0	221.0	477.0	239.0	90
96	106.0	53.0	208.0	104.0	272.0	136.0	384.0	192.0	502.0	251.0	543.0	272.0	96

VERTICAL THRUST BLOCK AT PIPE BEND

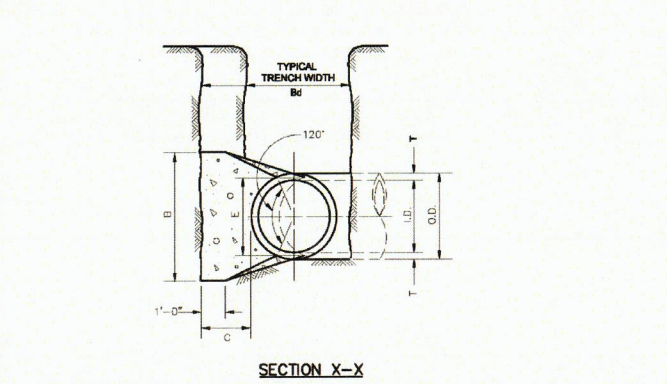
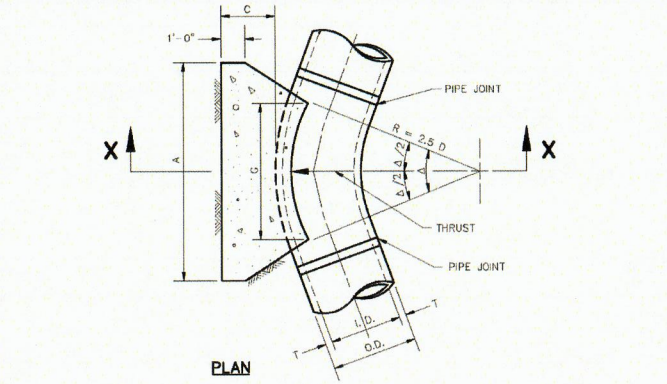
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VERTICAL THRUST BLOCK AT PIPE BEND

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-W08

PUBLIC WORKS DEPARTMENT



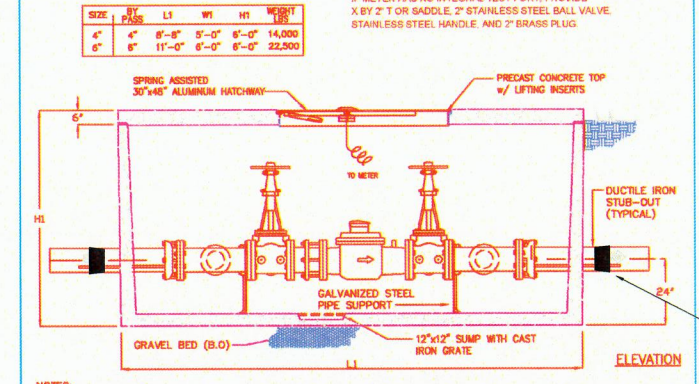
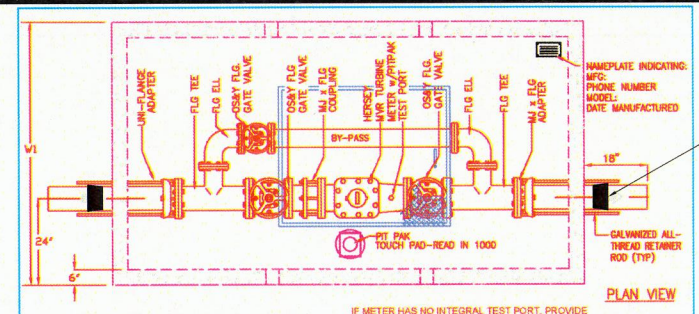
Addison!

HORIZONTAL THRUST BLOCK AT PIPE BEND

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-W04

PUBLIC WORKS DEPARTMENT



NOTES:

- ALL CONCRETE SHALL BE CLASS 1 CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNITS ARE OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.
- ALL REINFORCEMENT SHALL BE GRADE 60 REINFORCED STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
- ALL HATCHWAYS SHALL BE 1/2" ALUMINUM DIAMOND PLATE COVER, WITH 1/2" EXTRUDED ALUMINUM FRAME. HATCH TO BE FURNISHED WITH 316 STAINLESS STEEL SNAP LOCK AND HINGES.
- THE METER ASSEMBLY SHALL BE FACTORY ASSEMBLED IN VAULT AND HYDROSTATICALLY TESTED PRIOR TO DELIVERY. PIPE, VALVES AND FITTINGS OF THE ASSEMBLY SHALL BE IN ACCORDANCE WITH THE TOWN OF ADDISON WATER SYSTEM REQUIREMENTS.

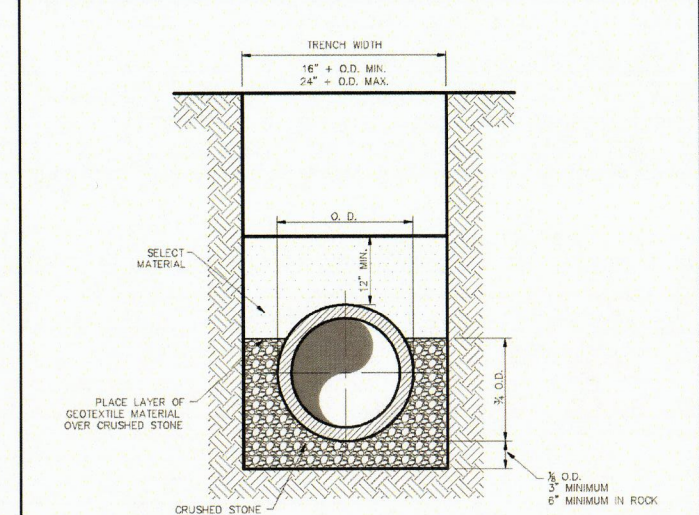
Addison!

TURBINE WATER METER ASSEMBLY

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2009 REV. DATE: SHEET: SD-W01

DEPARTMENT OF PUBLIC WORKS



CLASS "B+" EMBEDMENT

CRUSHED STONE SHALL BE 3/4", PASSING # 4 SIEVE

Addison!

P.V.C. WATER MAIN EMBEDMENT

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-W01

PUBLIC WORKS DEPARTMENT

4" x 3" REDUCER SHALL BE 6" AWAY FROM THE OUTSIDE WALL OF VAULT AT BOTH ENDS. REDUCER IS 7" LONG.

4" x 3" REDUCER SHALL BE 6" AWAY FROM THE OUTSIDE WALL OF VAULT AT BOTH ENDS. REDUCER IS 7" LONG.

Benchmark

Town of Addison Control Point No. COA-5. 190 feet south from the intersection of Edwin Lewis Dr & Quorum Drive. Then 2 feet from the west edge of sidewalk, 50.5 feet from the west side of median in Quorum Dr & 76 feet from fire hydrant. NAVD 88 Elevation = 630.10'

25

Piburn & Carson, LLC

WATER DETAILS

HOME 2 SUITES by HILTON

SITE DEVELOPMENT

PUBLIC WORKS DEPARTMENT

TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
RC	JRG	2/6/15	1"=20'	PC	-	-

Filename: \\HD-HITGL1\AFShare\Drawings\2013\13164-Home 2 Suites Addison\Design Data\Sheets\13164-CDET01.dwg Date: Friday, February 06, 2015 Time: 2:08 PM Plotted by: Jorge Gonzalez