

MIN. 7 CUBIC FEET OF

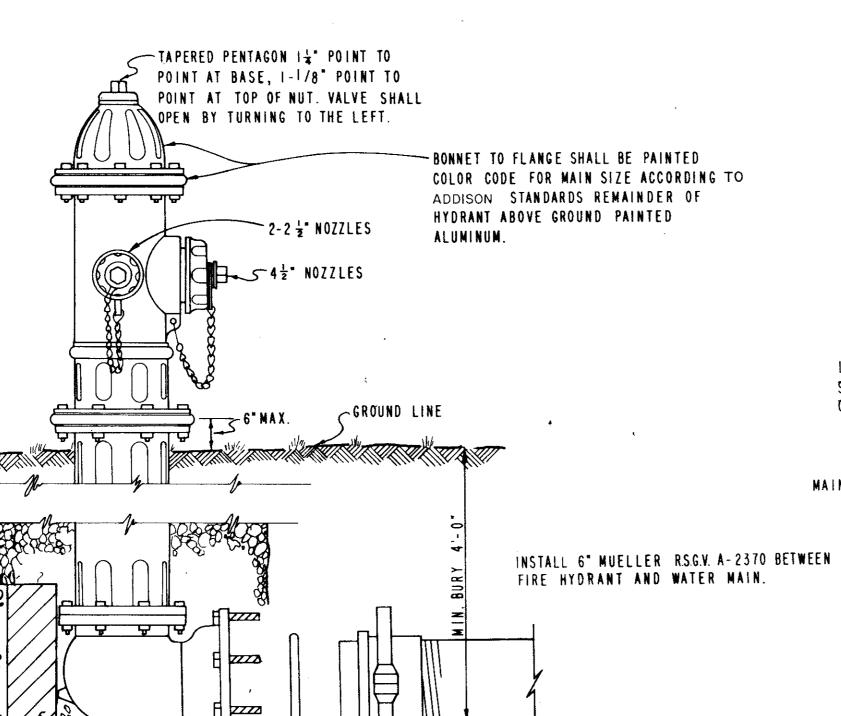
WASHED GRAVEL FILL

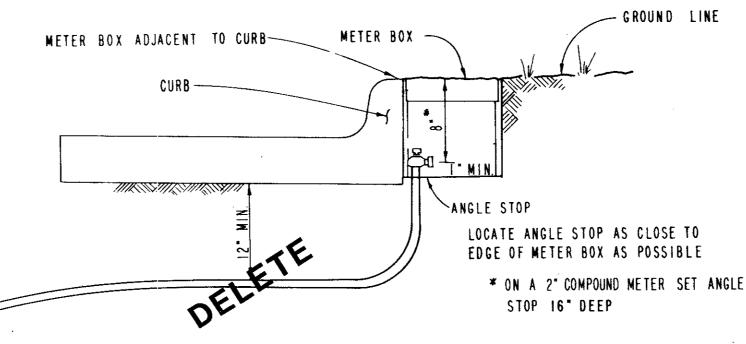
CLASS "B" CONC .-

NOT BLOCK WEEP

PRECAST CONC SLAB

THRUST BLOCK, MUST





" MIN. TYPE "K" COPPER (ASTM SPECIFICATION B 88-55 AND AWWA SPECIFICATION 75-CR)

FOR 1" OR SMALLER METER

METER BOX SHALL BE CORRUGATED METAL, 18" DIAMETER, 14" DEEP, SLOTTED FOR SERVICE PIPE FITTED WITH CAST IRON TOP AND LID. LID SHALL BE C.I. BASS & HAYS DOMESTIC MFG.LID WITH #3P HAIRPIN LOCK. WATER METER SHALL BE PLACED IN CENTER OF LOT WITH SANITARY SEWER HOUSE CONNECTION LOCATED 10 FEET DOWN STREAM. ALL TAPS SHALL BE MADE AT 45° ANGLE TO & OF PIPE.

USE 1/8 BENDS 2,000 LB. CONCRETE

2,000 LB. CONCRETE

HALF-SECTION TYPICAL CREEK CROSSING

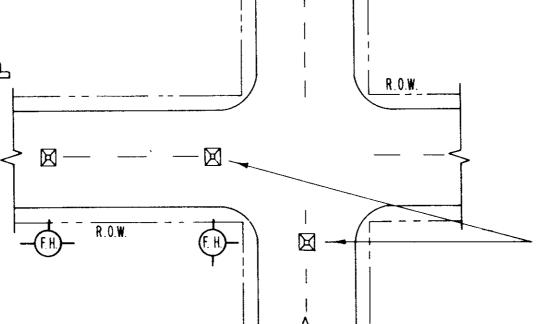
TYPICAL SERVICE CONNECTION WITH METER BOX

MUELLER TYPE K COPPER SERVICE PIPE SOFT ANNEALED	DOUBLE STRAP BRONZE SERVICE SADDLE WITH C.C. THREADS	MUELLER CORPORATION STOP	MUELLER ANGLE STOP	BASS & HAYS SLOTTED METER BOX
I INCH I½ INCH 2 INCH	1½ INCH 2 INCH	H-15008 H-15013 H-15013	H-14258 H-14286 H-14286	34 AS 55 A 55 A -W / H 15428 COU

MJ HYDRANT - LONG' SWIVEL BY SWIVEL ADAPTER - MJ VALVE - SWIVEL BY SOLID ADAPTER - MJ TEE

TYPICAL FIRE HYDRANT INSTALLATION

THRUST IN TONS FOR VERTICAL BENDS											
1. D.	\triangle										
IN	11.25°	15°	22.50°	30°	45°	60°	75°	90°			
12				A				:			
14		•									
16	2.94	3.90	5.78	7.54	10.66	13.06	14.56	15.0			
18	3.72	4.94	7.30	9.54	13.50	16.52	18.42	19.0			
20	4.60	6.10	9.02	11.78	16.66	20.40	22.76	23.5			
24	6.62	8.78	12.98	16.96	23.98	29.38	32.76	33.9			
30	10.34	13.72	20.28	26.52	37.50	45.92	51.22	53.0			



- A BLUE STIMSONITE FIRE-LITE REFLECTOR (OR APPROVED EQUAL) TO BE PLACED IN THE CENTER OF STREET OPPOSITE FIRE HYDRANTS. THE INSTALLATION OF THIS REFLECTOR SHALL BE AS PRESCRIBED BY THE MANUFACTURER.

TYPICAL FIRE HYDRANT REFLECTOR INSTALLATION (NO SCALE)

!" MIN. CORPORATION

COUPLING NUT.

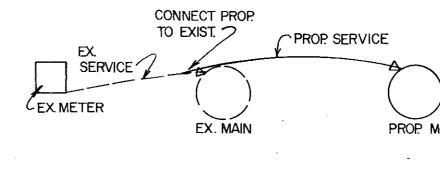
STOP WITH COMPRESSION

GENERAL NOTES:

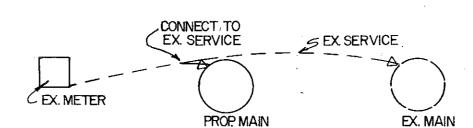
ALL CALCULATIONS ARE BASED ON TOTAL INTERNAL PRESSURE OF 150 P.S.I.

ALLOWABLE SOIL BEARING PRESSURES MUST BE AT LEAST ONE TON PER SQUARE FOOT FOR THE THRUST BLOCKS SHOWN. IN SOILS OF LESSER CAPACITY, INCREASE SIZE AND BEARING AREA PROPORTIONATELY. VOLUMES OF VERTICAL BEND THRUST BLOCKS ARE NET VOLUMES OF CONCRETE TO BE FURNISHED. AND THE CORRESPONDING WEIGHT OF THE CONCRETE (AT 4,000 #/C.Y.) EQUALS THE VERTICAL COMPONENT OF THRUST ON THE VERTICAL BEND. ALL BEARING SURFACES OF THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED EARTH.

CONCRETE FOR BLOCKING SHALL BE 2,000 CONCRETE. DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDI-TIONS WHERE AND AS DIRECTED BY THE ENGINEER. BUT SHALL NOT BE LESS THAN THE DIMENSIONS SHOWN HERE.

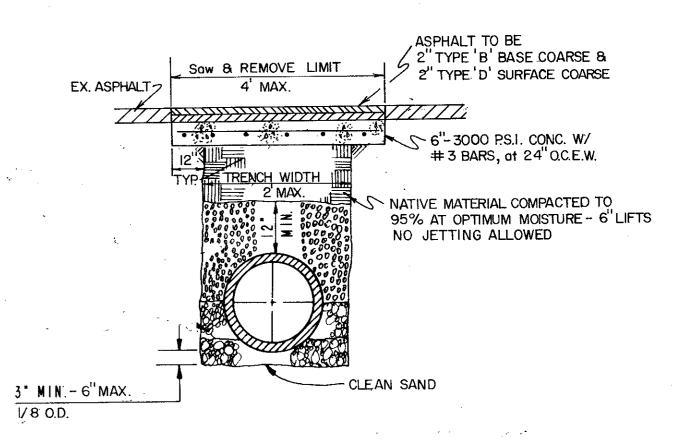


EXIST MAIN BTWN PROP & METER

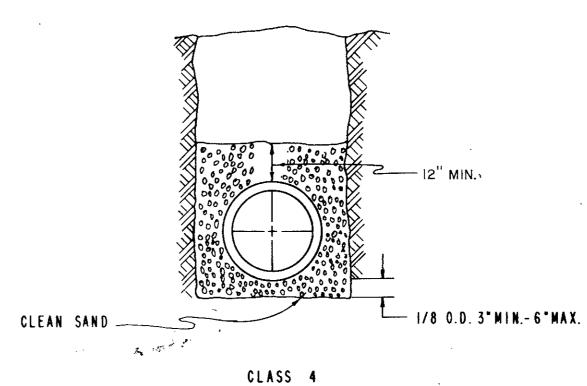


PROP. MAIN BTWN. EXIST. & METER

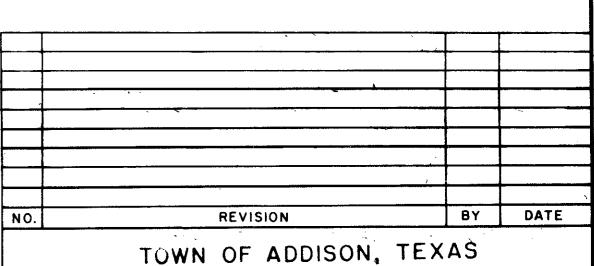
SERVICE CONNECTION



TYPICAL BACKFILL WATER MAIN



EMBEDMENT P.V.C. WATER PIPE



TOWN OF ADDISON, TEXAS DEPARTMENT OF ENGINEERING

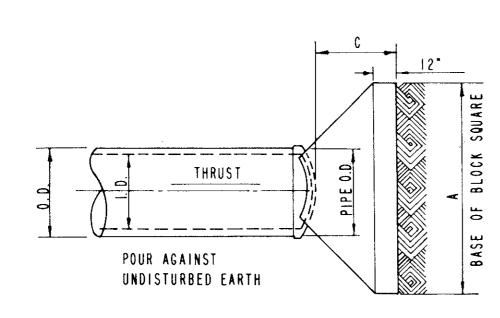
STANDARD CONSTRUCTION DETAILS WATER

FIRE HYDRANT - SERVICE CONNECTION

APPROVED -

H. WAYNE GINN, P.E. SHEET SD-16 DATE: MARCH, 1984

TEES & PLUGS THRUST C UNIT FT. FT. TONS 16* 3.87 1.57 | 15.08 1.77 | 19.09 4.37 4.86 1.97 23.56 5.82 2.36 33.93 30" 7.28 2.95 53.01



PLAN OF PLUG THRUST BLOCK

PLAN OF TEE THRUST BLOCK

POUR AGAINST

UNDISTURBED EARTH

THRUST

TYPICAL PLUG & TEE THRUST BLOCKS