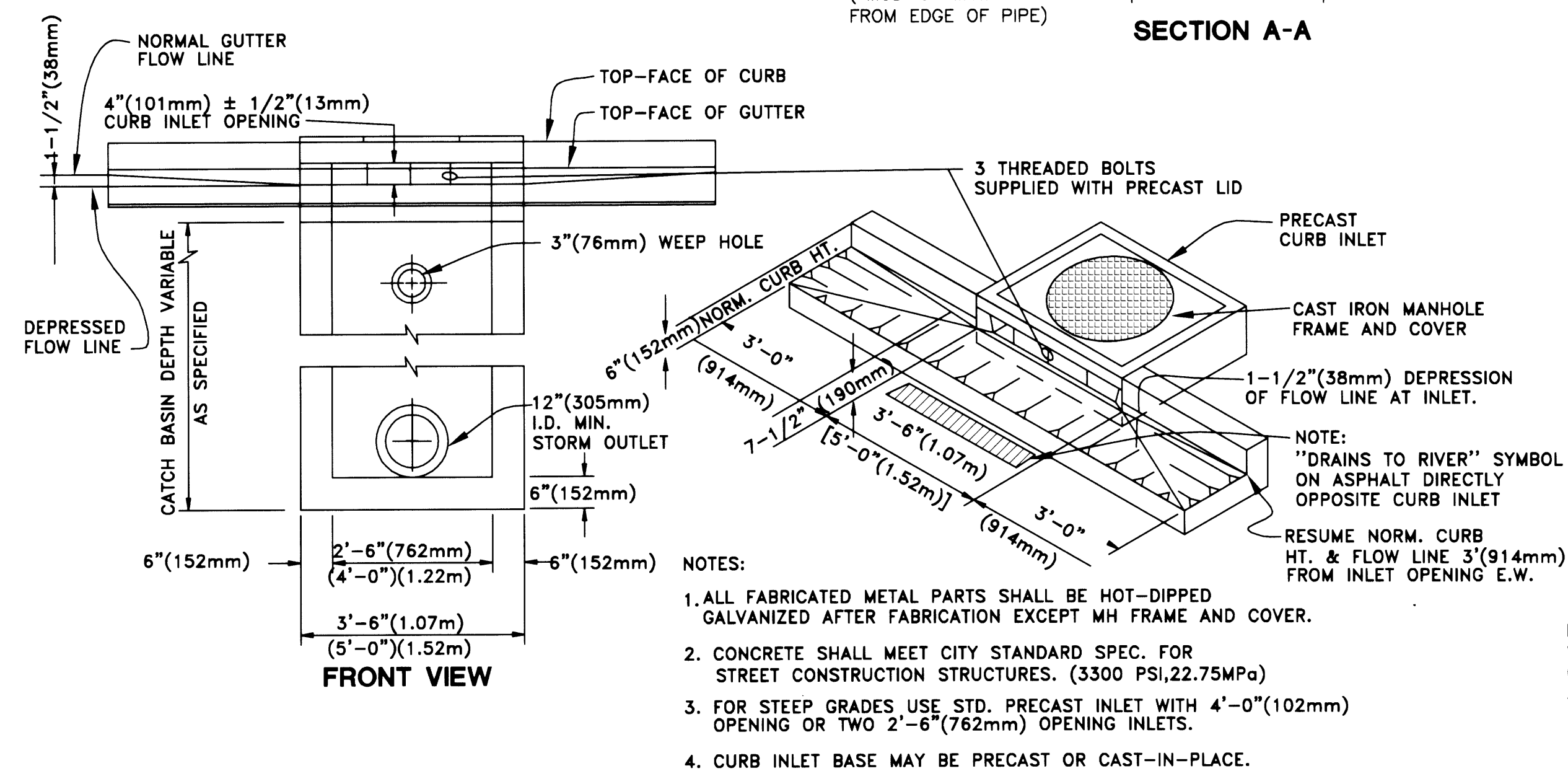
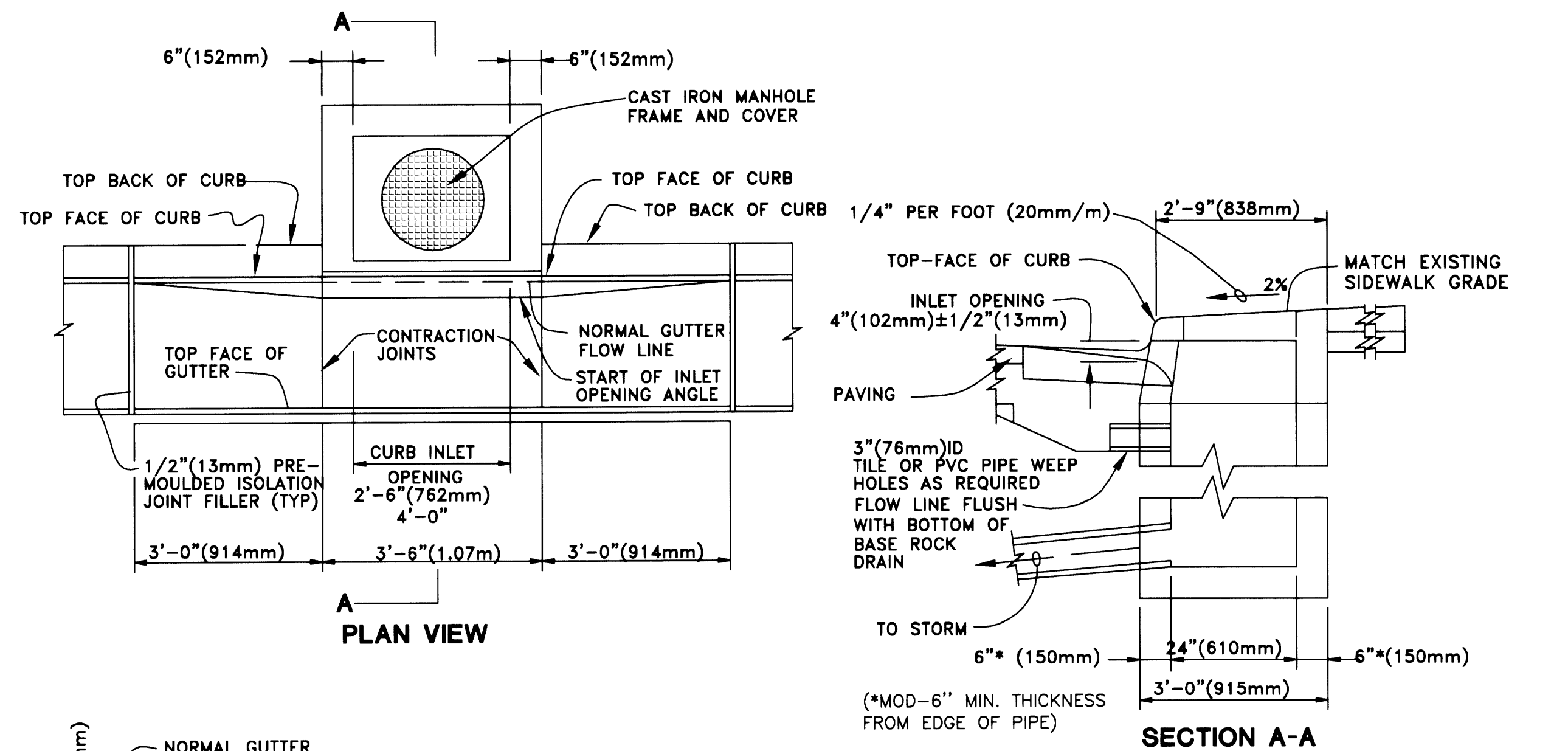
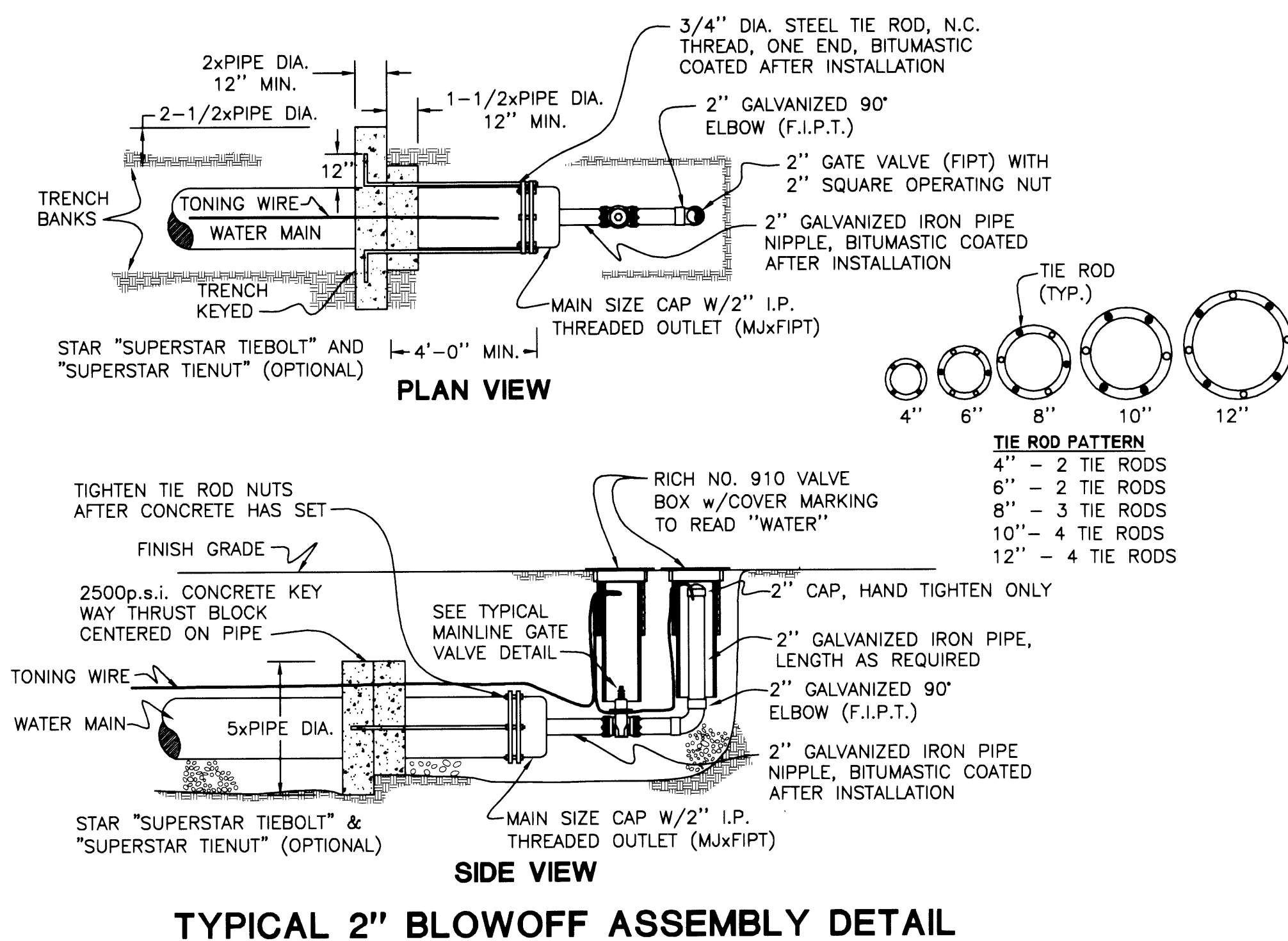
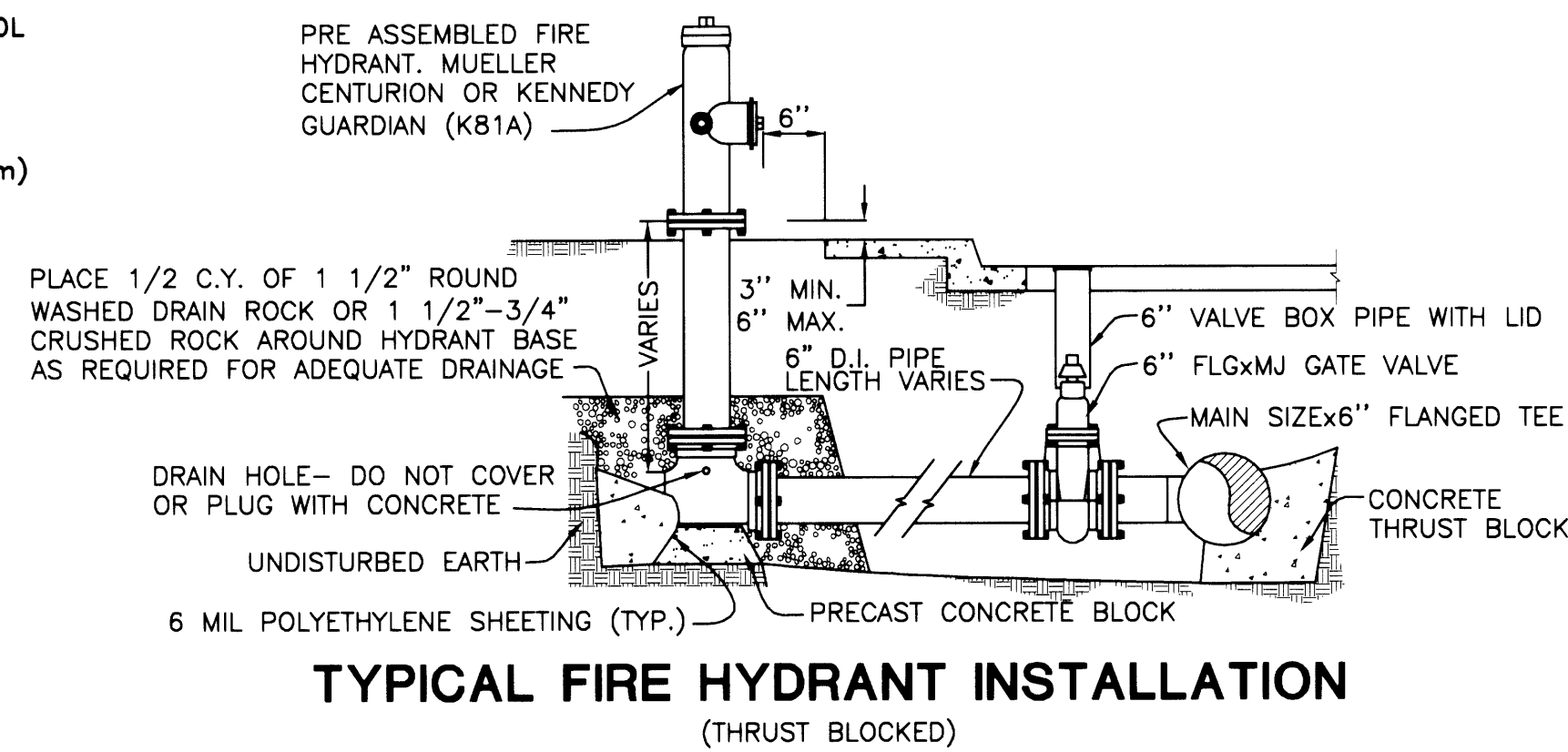
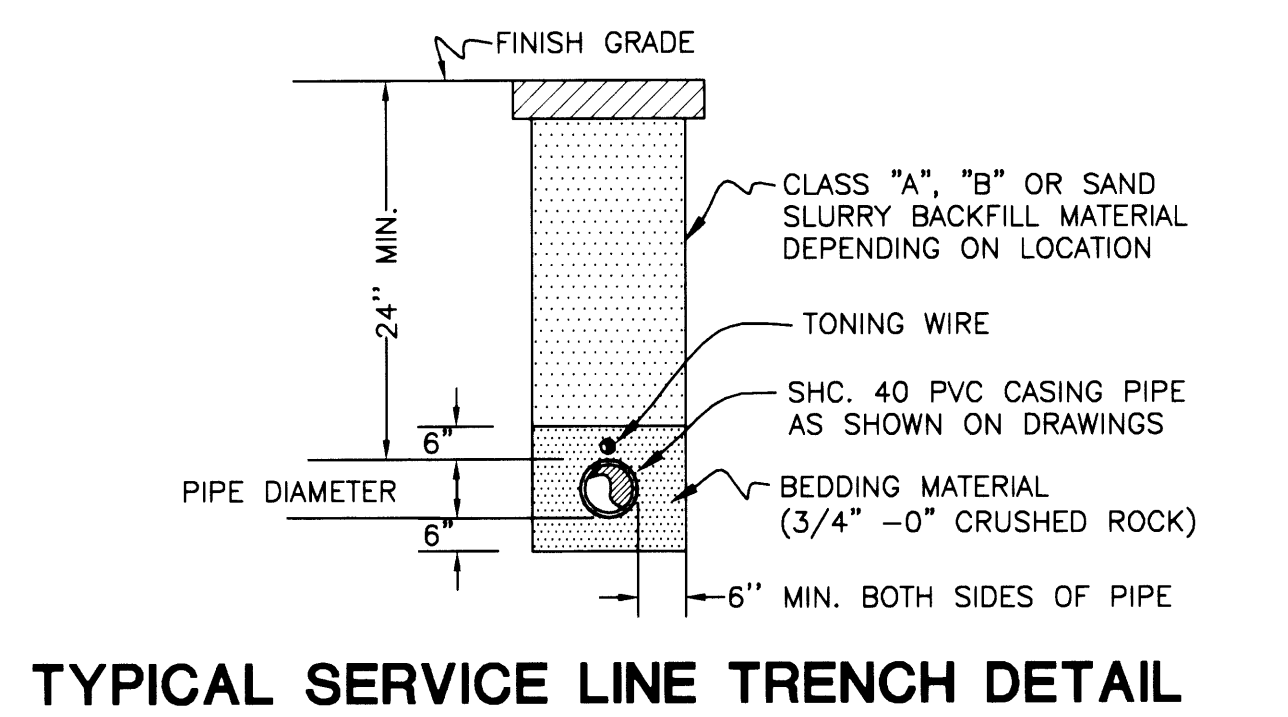
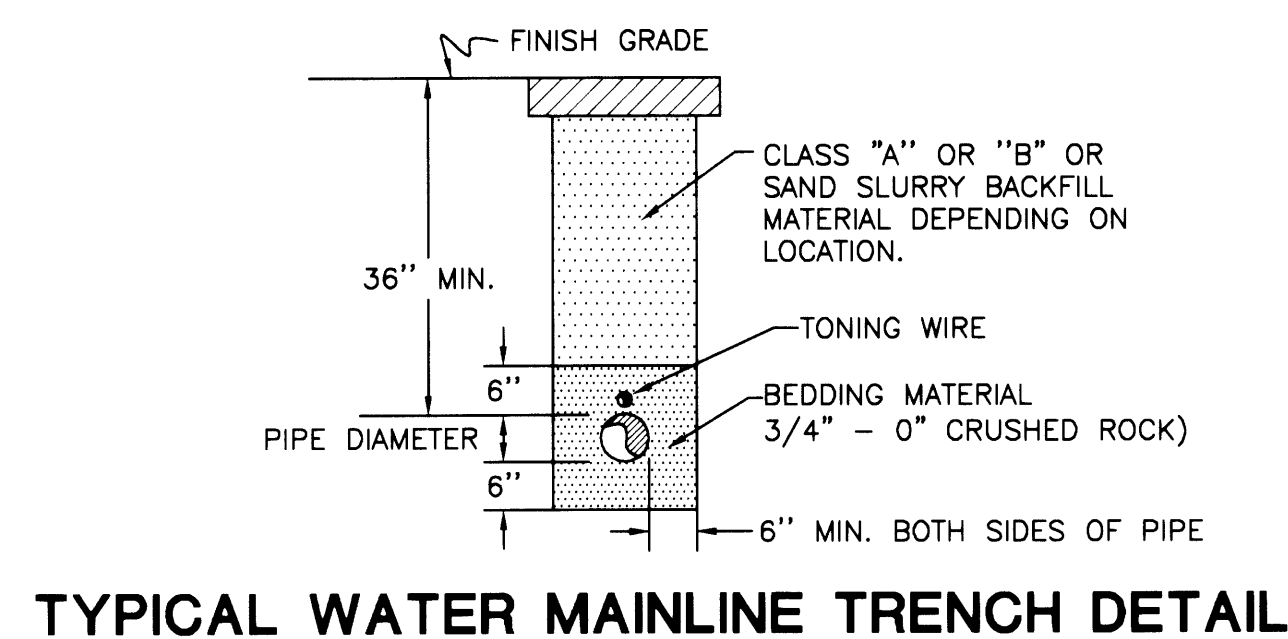




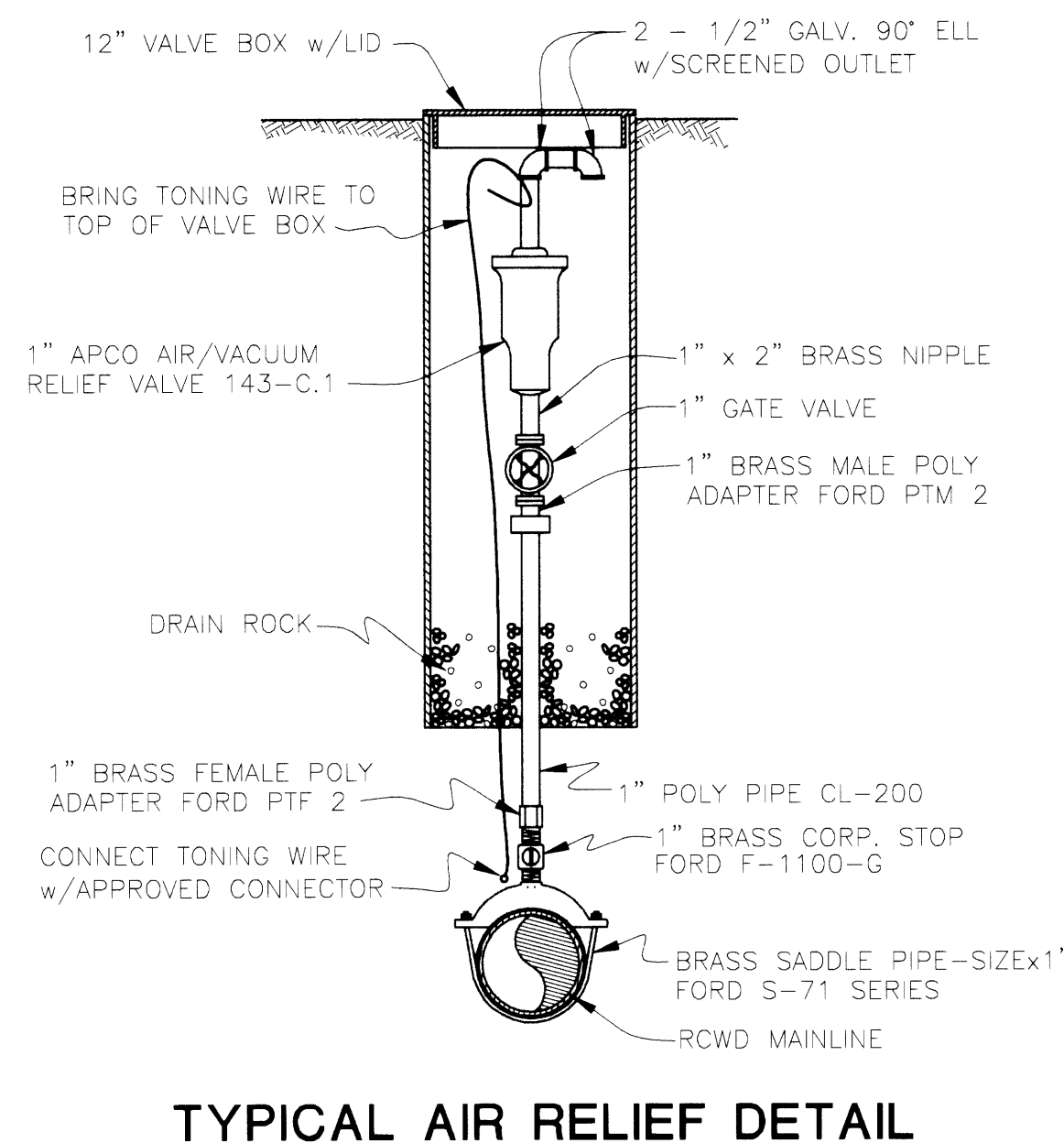
TYPICAL CG-3 INLET DETAIL



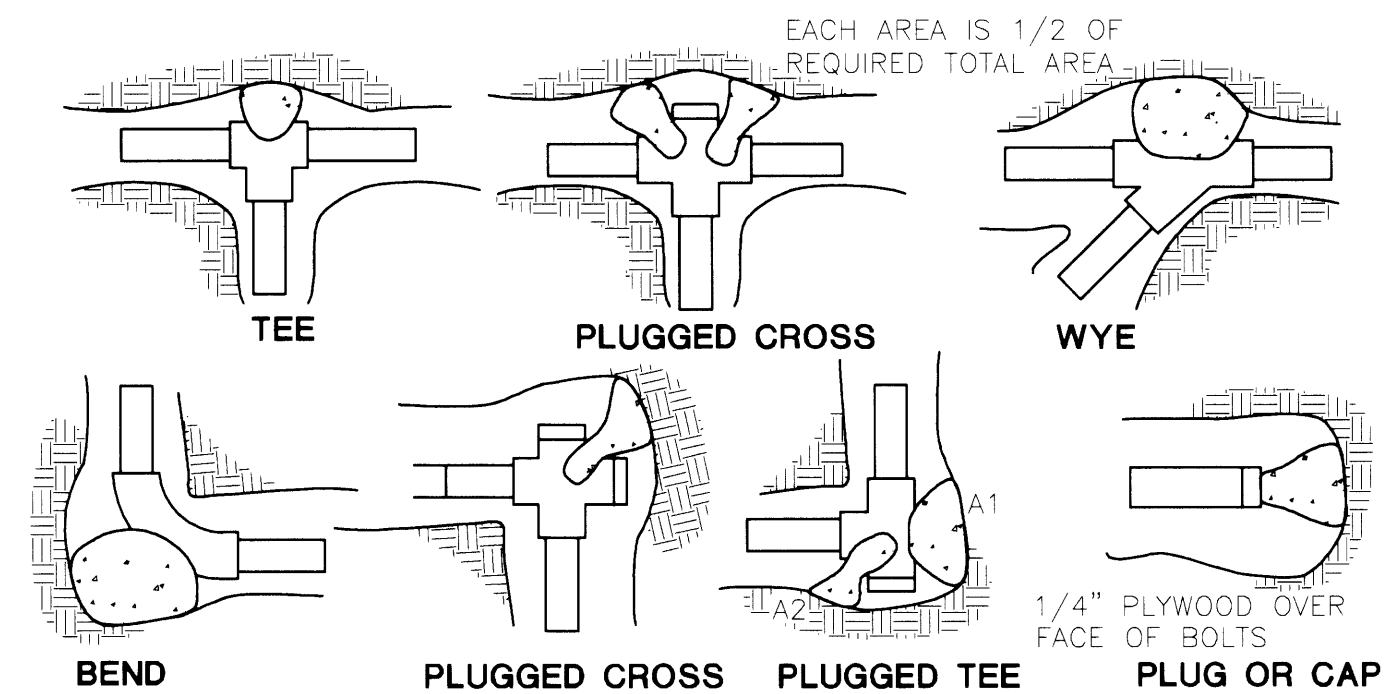
TYPICAL 2" BLOWOFF ASSEMBLY DETAIL



TYPICAL FIRE HYDRANT INSTALLATION



TYPICAL AIR RELIEF DETAIL



FITTING SIZE	TEE, WYE, PLUG, OR CROSS	90° BEND PLUGGED CROSS	TEE PLUGGED ON RUN A1	TEE PLUGGED ON RUN A2	45° BEND	22 1/2° BEND	11 1/4° BEND
2	0.2	0.4	0.6	0.4	0.2	--	--
3	0.5	0.8	1.2	0.8	0.5	0.2	--
4	1.0	1.4	1.9	1.4	1.0	0.4	0.2
6	2.1	3.0	4.3	3.0	1.6	1.0	0.5
8	3.8	5.3	7.6	5.4	2.9	1.5	1.0
10	5.9	8.4	11.8	8.4	4.6	2.4	1.2
12	8.5	12.0	17.0	12.0	6.6	3.4	1.7
14	11.5	16.3	23.0	16.3	8.9	4.6	2.3
16	15.0	21.3	30.0	21.3	11.6	6.0	3.0
18	19.0	27.0	38.0	27.0	14.6	7.6	3.8
20	23.5	33.3	47.0	33.3	18.1	9.4	4.7
24	34.0	48.0	68.0	48.0	26.2	13.6	6.8

NOTE: ABOVE BEARING AREAS BASED ON TEST PRESSURE OF 150 p.s.i. AND AN ALLOWABLE SOIL BEARING STRESS OF 2,000 lbs. PER SQUARE FOOT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION: BEARING AREA = (TEST PRESSURE/150) x (2000/SOIL BEARING STRESS) x (TABLE VALUE)

NOTES:

1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
2. KEEP CONCRETE CLEAR OF JOINT AND ACCESSORIES.
3. THE REQUIRED THRUST BEARING AREAS FOR SPECIAL CONNECTIONS ARE SHOWN ENCLOSED ON THE PLANS, e.g. (15) INDICATES 15 SQUARE FEET BEARING AREA REQUIRED.
4. IF NOT SHOWN ON PLANS REQUIRED BEARING AREAS AT FITTING SHALL BE AS INDICATED ABOVE, ADJUSTED IF NECESSARY, TO CONFORM TO THE TEST PRESSURE(S) AND ALLOWABLE SOIL BEARING STRESS(ES) STATED IN THE SPECIAL SPECIFICATIONS.
5. BEARING AREAS AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS. TAKE PRECEDENCE OVER BEARING AREAS AND BLOCKING DETAILS SHOWN ON THIS STANDARD DETAIL.

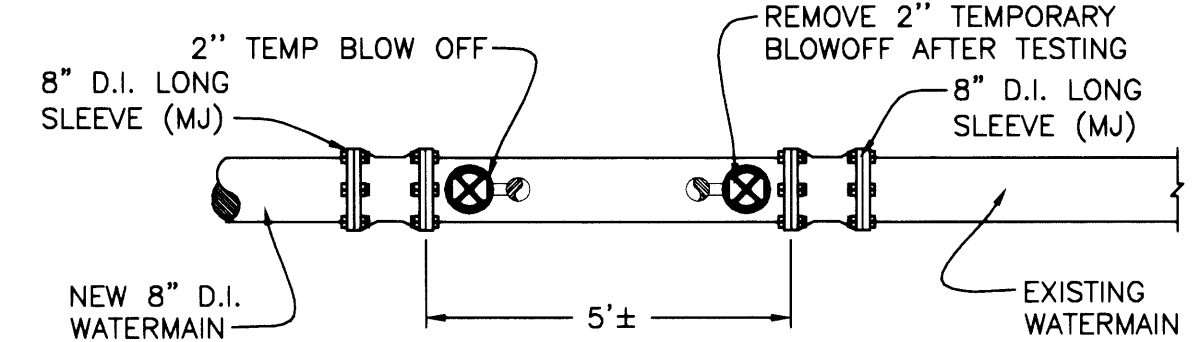
THRUST BLOCK DETAILS AND INFORMATION

NOTES:

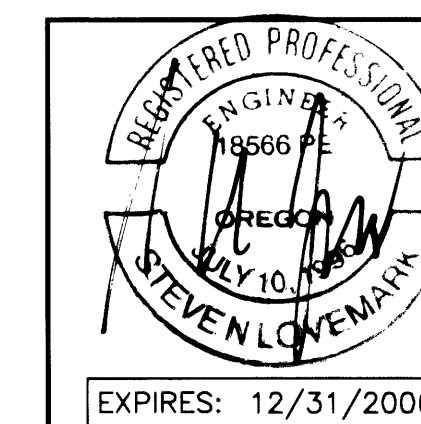
ALL PIPE AND FITTINGS FOR TIE-IN TO BE CLEAN AND WIPED w/CHLORINE PRIOR TO INSTALLATION

PIPE SIZES ARE SHOWN ON PLANS

CONTRACTOR TO ALIGN NEW MAINLINE IN BOTH ALIGNMENT AND GRADE w/EXISTING WATERLINE. CONNECTION TO EXISTING WATERLINE CAN ONLY BE MADE AFTER INSTALLATION, TESTING & DISINFECTION OF NEW WATERLINE HAS BEEN COMPLETED.



TYPICAL WATER TIE-IN DETAIL



Rev.	Date	Dwg	Description
1	6/2/04	BWC	COUNTY & AGENCY REVIEW
2	1/17/05	ANY	AS-BUILTS

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 OAR 952-001-0090

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 PHONE (541) 673-0166
 FAX (541) 440-9392
 email@ieengineering.com

Project Name: **RIVER CREST ESTATES**

Title: **DETAILS**

DES DMA PROJECT NO. 1944-0175

DWG BWC DATE: MAY 4, 2004

CHK SNL SCALE: AS SHOWN

APP SNL SHEET: 10 OF 13

Co. Rd. # 375 H, 375 J, 375 K

DO NOT DUPLICATE

R375DET1