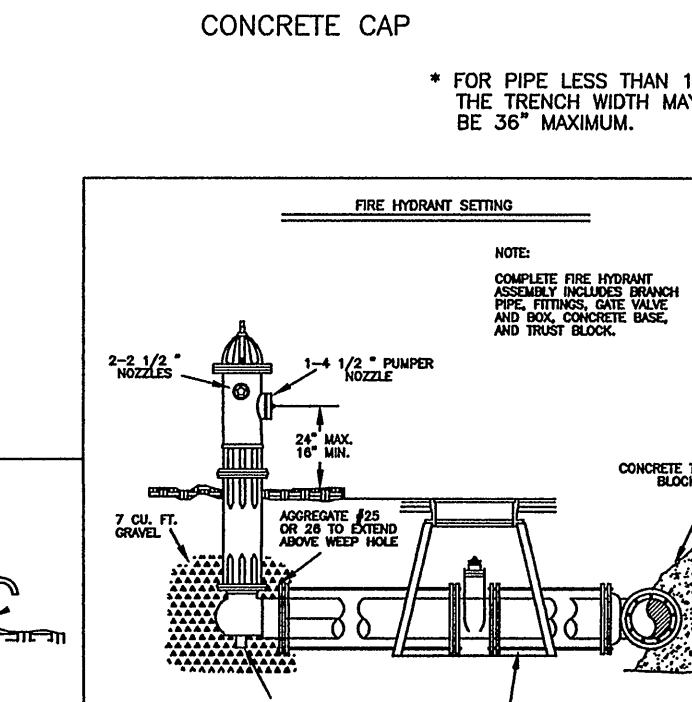
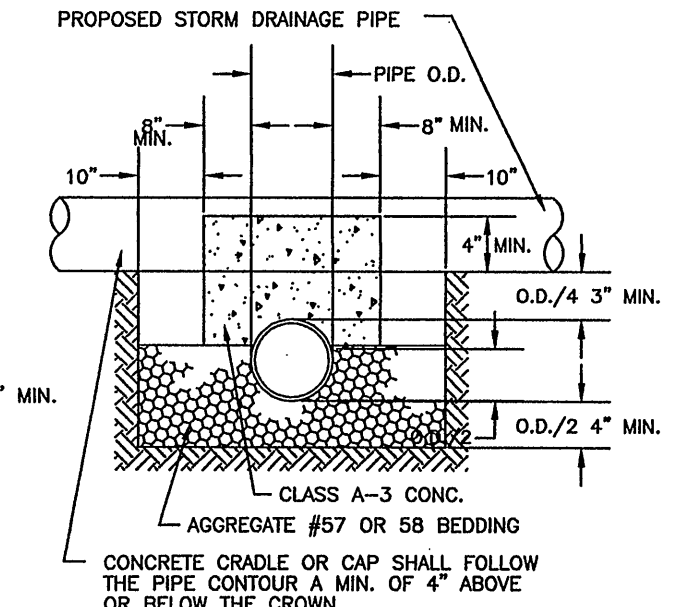
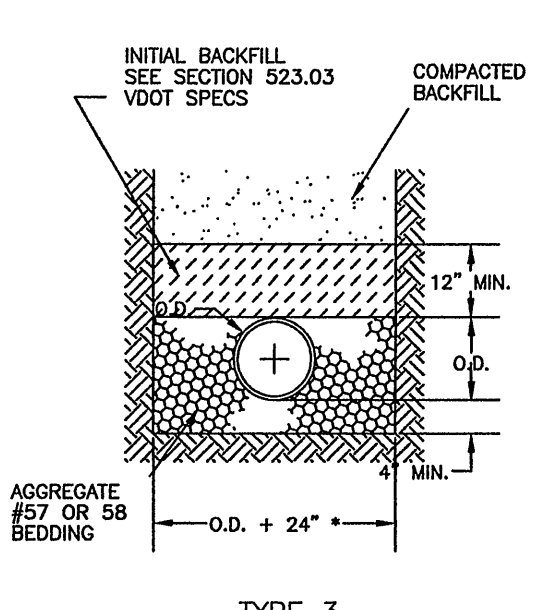
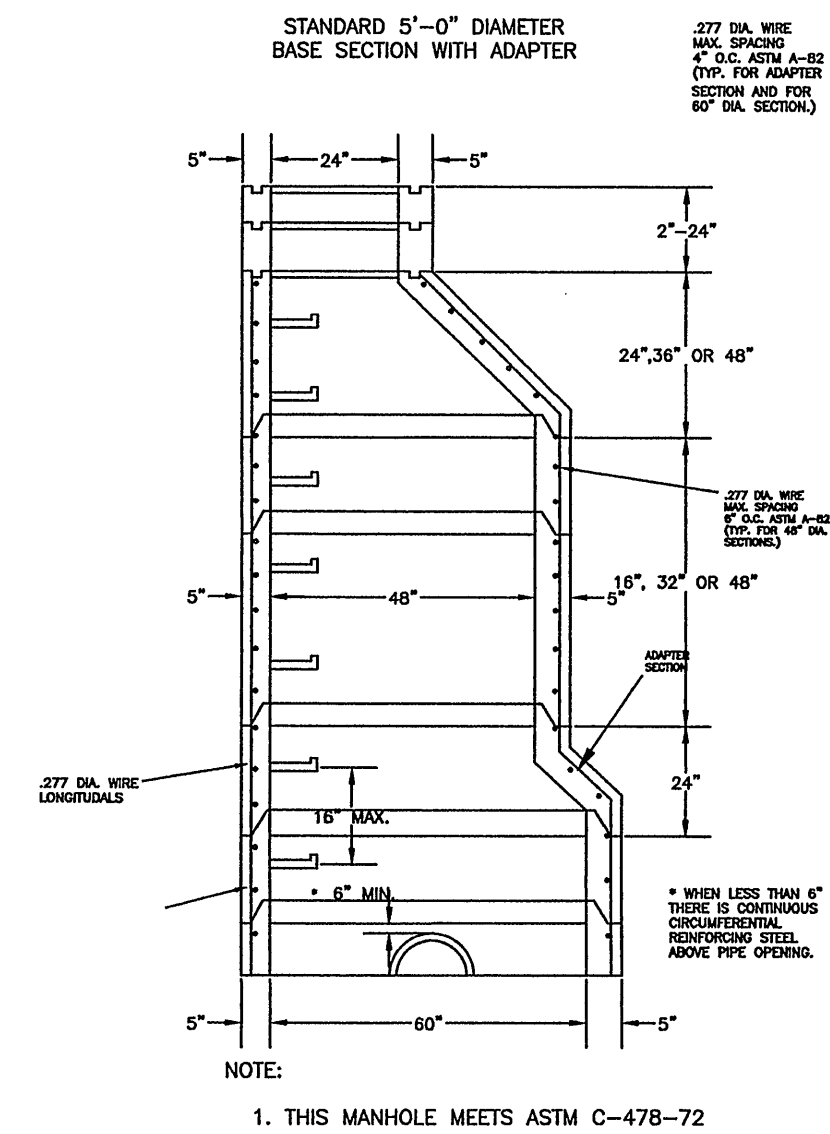


BENDS																																							
DIA.	HORIZONTAL BENDS															UPPER VERTICAL BENDS									PLUGS					HORIZ. BENDS					TEE BRANCH				
	11 1/4"			22 1/2"			45°			11 1/4"			22 1/2"			45°						90°			BRANCH														
	A	B	C	A	B	C	A	B	C	E	F	G	E	F	G	E	F	G	L	M	N	O	P	R	S	T	U	V	W										
4"	.50	.58	.75	.75	.58	.75	1.25	.58	.75	.50	.58	.58	.75	.58	.58	1.25	.58	.58	.50	1.17	1.50	1.17	1.17	1.67	.42	.75	.67	.75	.50										
6"	.50	.58	.75	.75	.58	.75	1.25	.58	.75	.50	.58	.58	.75	.58	.58	1.25	.58	.58	.50	1.17	1.50	1.17	1.17	1.67	.42	.75	.67	.75	.50										
8"	.67	.75	1.00	.67	1.00	.67	2.00	.67	.75	.67	.67	1.00	.67	.67	2.00	.75	.83	.67	1.50	2.25	1.50	1.50	1.75	.50	.75	.83	1.00	.67											
10"	.83	.75	1.00	.75	.83	2.50	.75	.83	.75	.67	1.00	.83	.67	2.08	.75	.83	.67	2.00	2.50	1.67	2.08	1.75	.50	.75	.83	1.00	1.25	.67											
12"	1.00	.83	.75	1.25	.92	2.92	.92	1.17	1.00	.83	.67	1.25	.83	.67	2.50	.92	.83	2.33	3.25	2.00	2.92	2.50	1.92	.58	1.00	1.25	1.42	.67											
16"	1.33	1.00	.75	1.33	1.00	1.17	3.67	1.25	1.42	1.33	1.00	.75	2.25	.83	.75	3.30	1.25	1.25	1.00	2.92	4.17	2.08	3.00	2.75	.83	1.17	1.67	1.83	.83										
20"	1.67	1.17	1.00	1.37	1.17	1.33	4.75	1.67	1.67	1.17	.83	1.00	1.17	1.00	4.17	1.50	1.50	1.33	3.75	5.17	3.00	3.67	3.42	1.00	1.33	2.08	2.25	1.17											
24"	2.00	1.33	1.00	1.50	1.33	5.00	6.00	1.67	1.92	2.00	1.33	1.00	1.37	1.00	5.00	1.75	1.75	1.67	4.33	6.25	4.00	4.33	4.00	1.00	1.50	2.50	2.67	1.33											
30"	2.50	1.67	1.00	1.50	1.50	7.75	7.92	2.00	3.04	2.50	1.50	1.00	1.67	1.00	6.42	2.25	2.25	2.00	5.42	7.45	5.00	5.42	3.83	1.17	1.75	3.50	3.92	1.83											
36"	3.00	1.92	1.17	.875	2.00	2.00	8.92	2.50	3.33	3.00	1.56	1.17	1.53	2.50	1.17	2.50	2.50	2.50	6.50	9.00	6.83	6.00	.42	1.17	2.00	3.75	3.92	1.83											

ENCASEMENT PIPE I.D. (IN.)	STEEL ENCASEMENT PIPE MINIMUM THICKNESS	
	COVER TO 15 FEET	COVER 15' & OVER
12"	1/4"	USE MIN. 5/16"
16"	1/4"	
18"	1/4"	
24"	1/4"	
30"	3/8"	3/8"
36"	3/8"	3/8"
48"	7/16"	7/16"
54"	7/16"	7/16"
60"	7/16"	7/16"

2-8-02

SCALE: AS SHOWN

SHEET NO.

6 OF 7

JOB NO.

R0000338.01