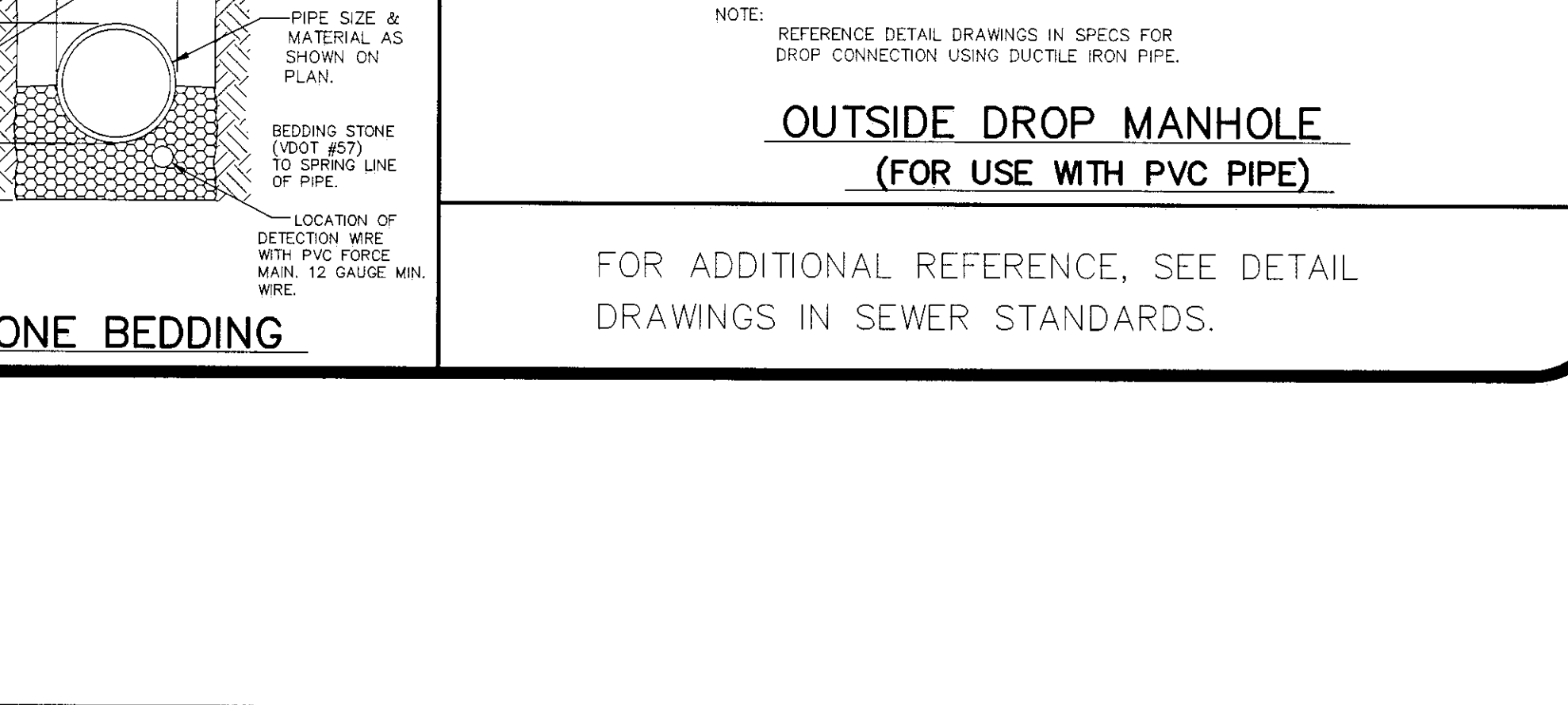
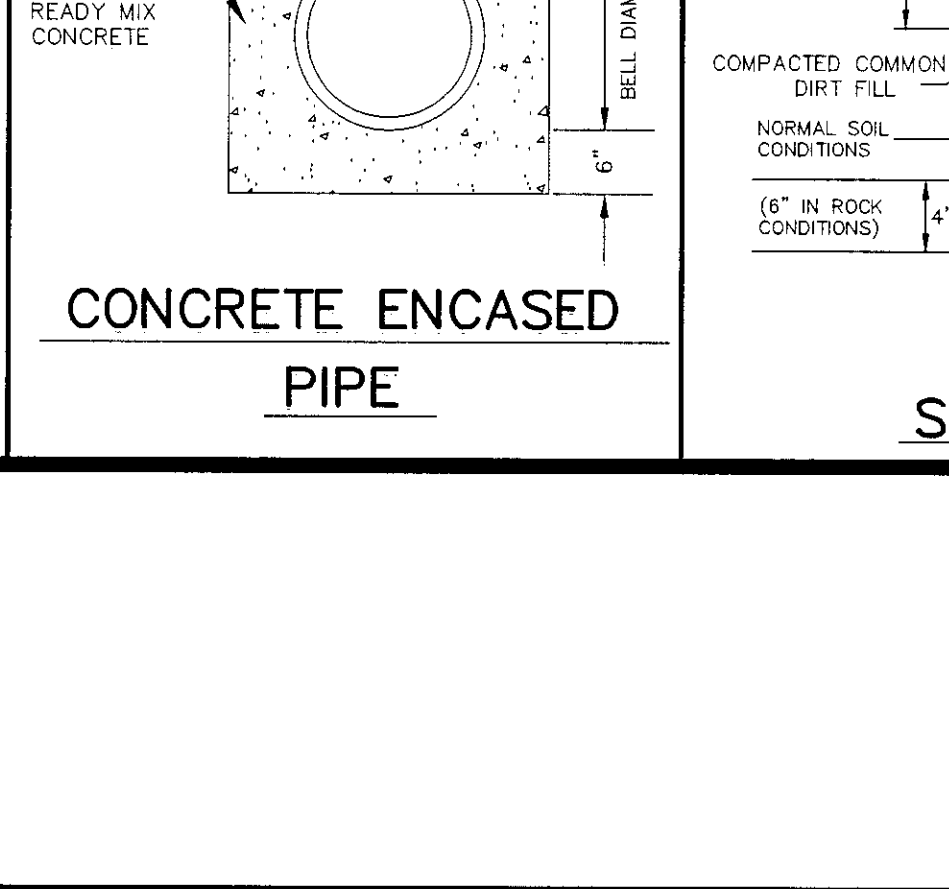
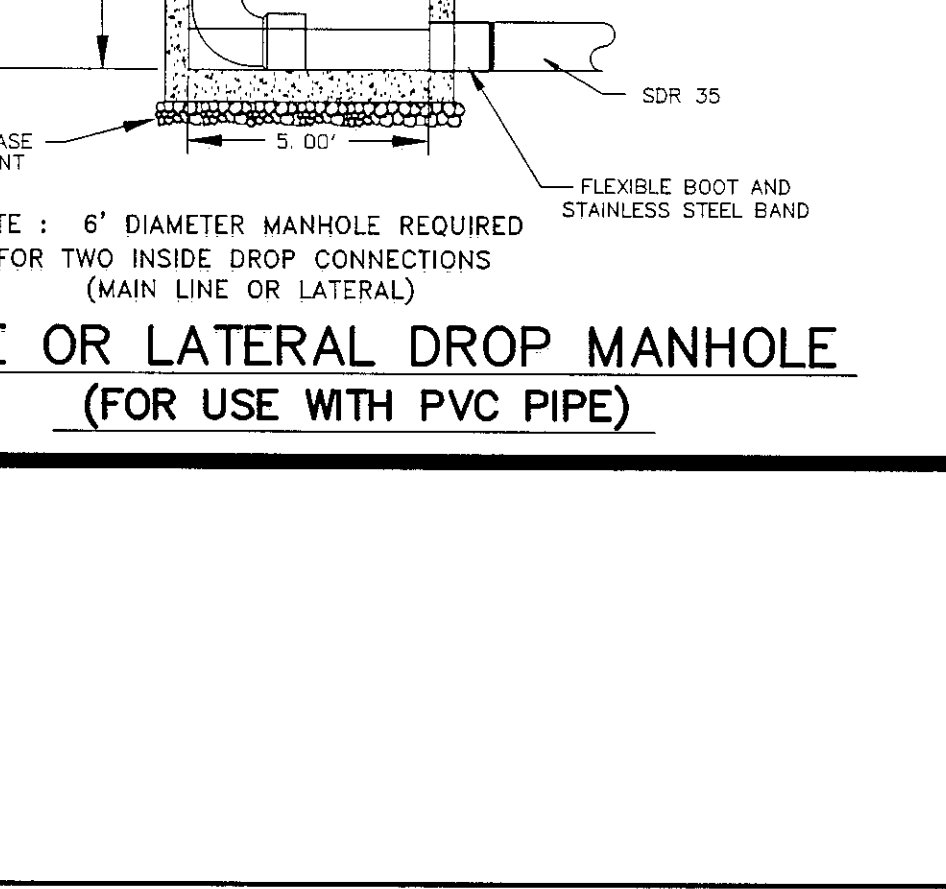
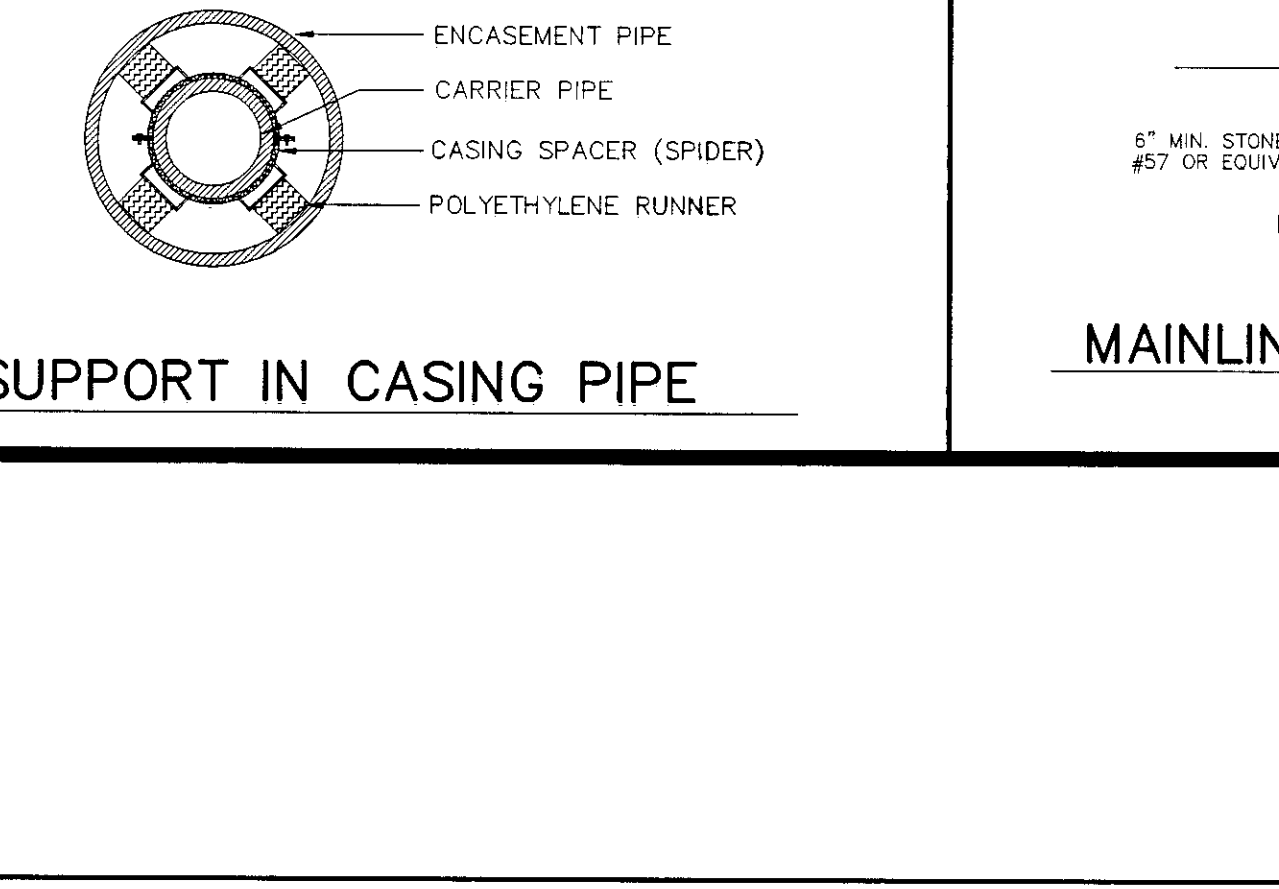
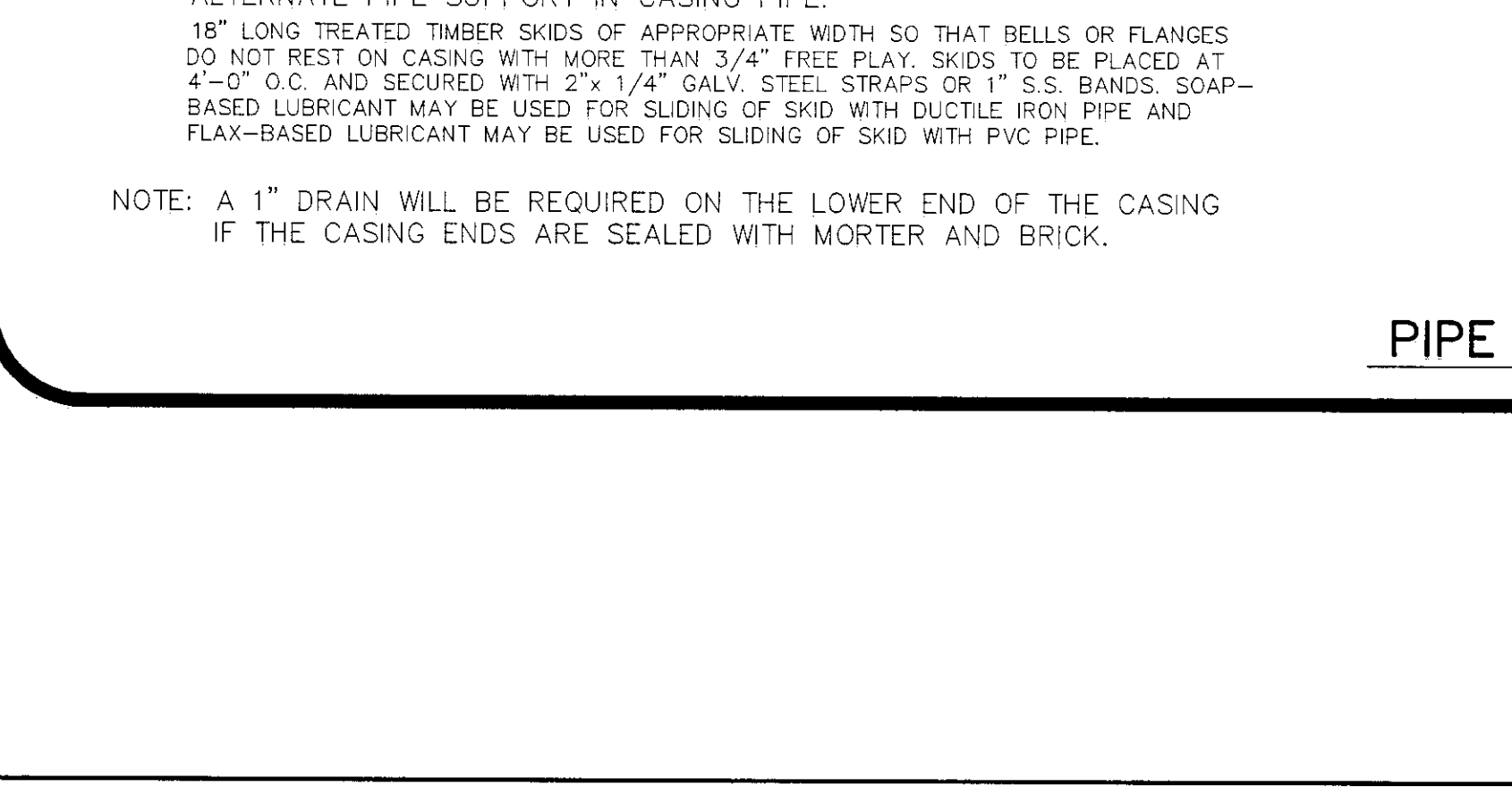
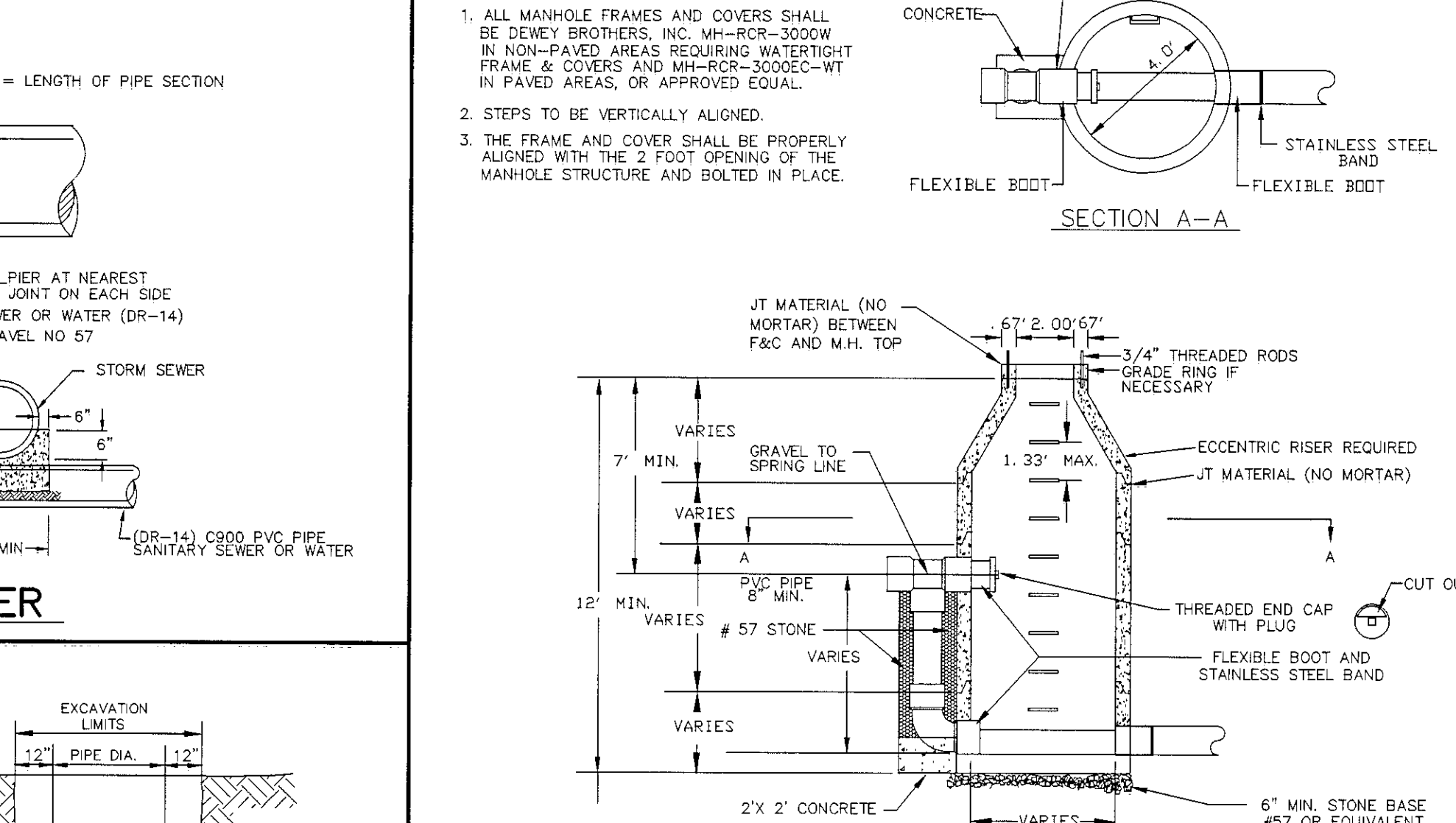
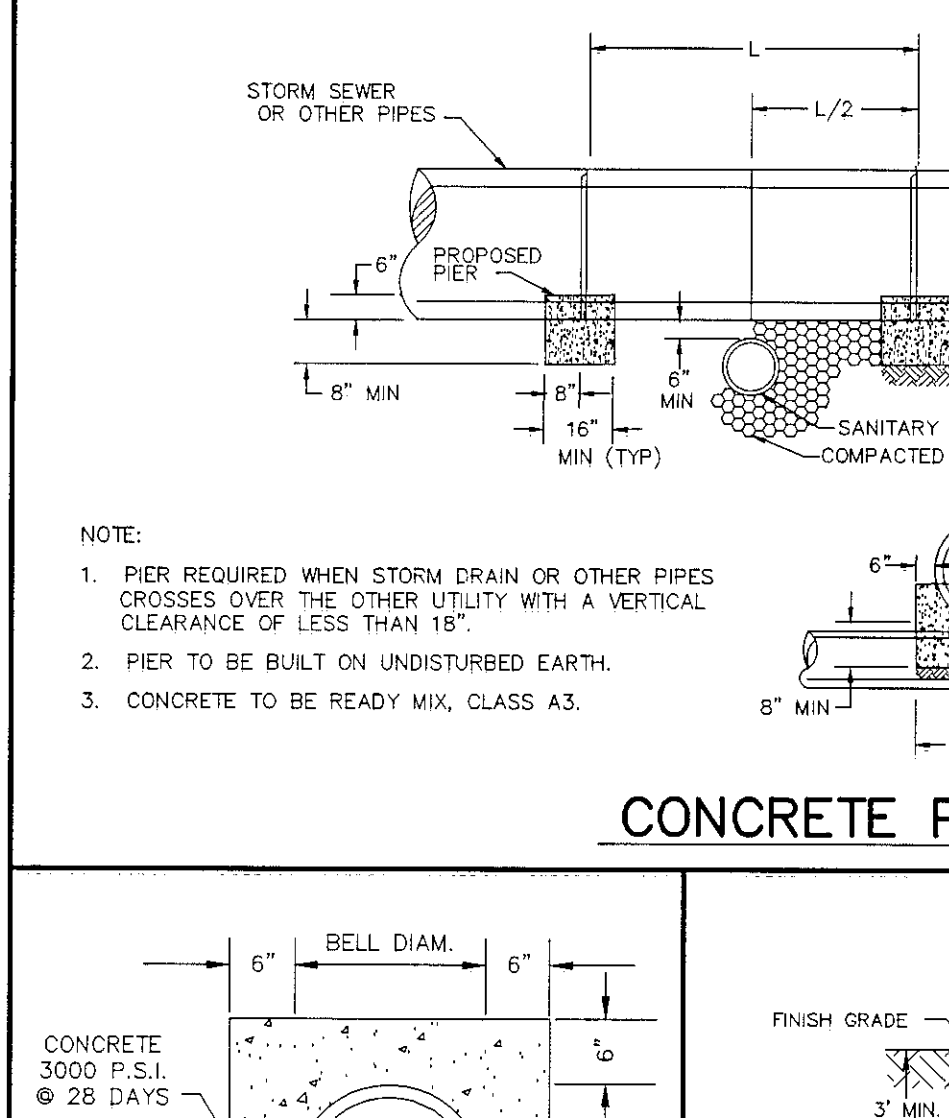
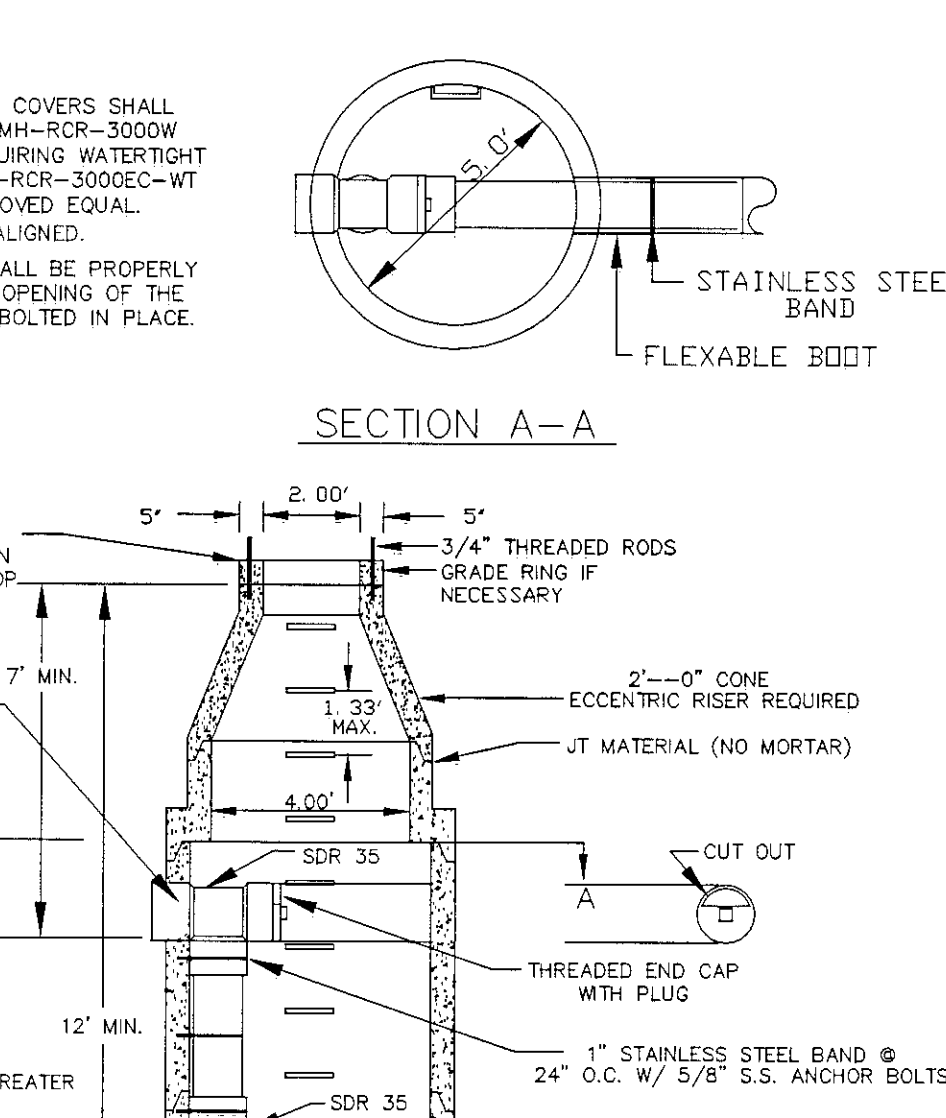
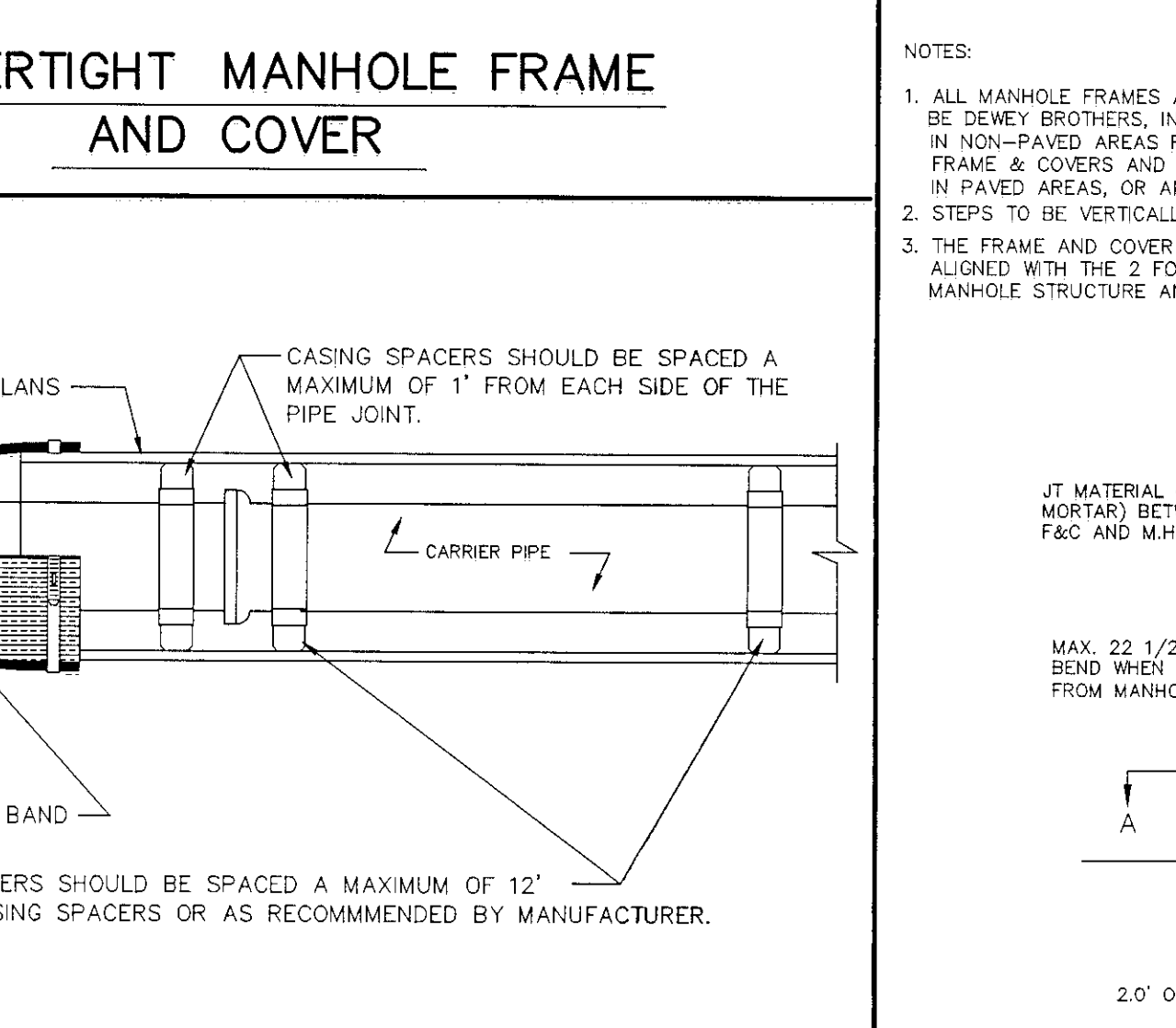
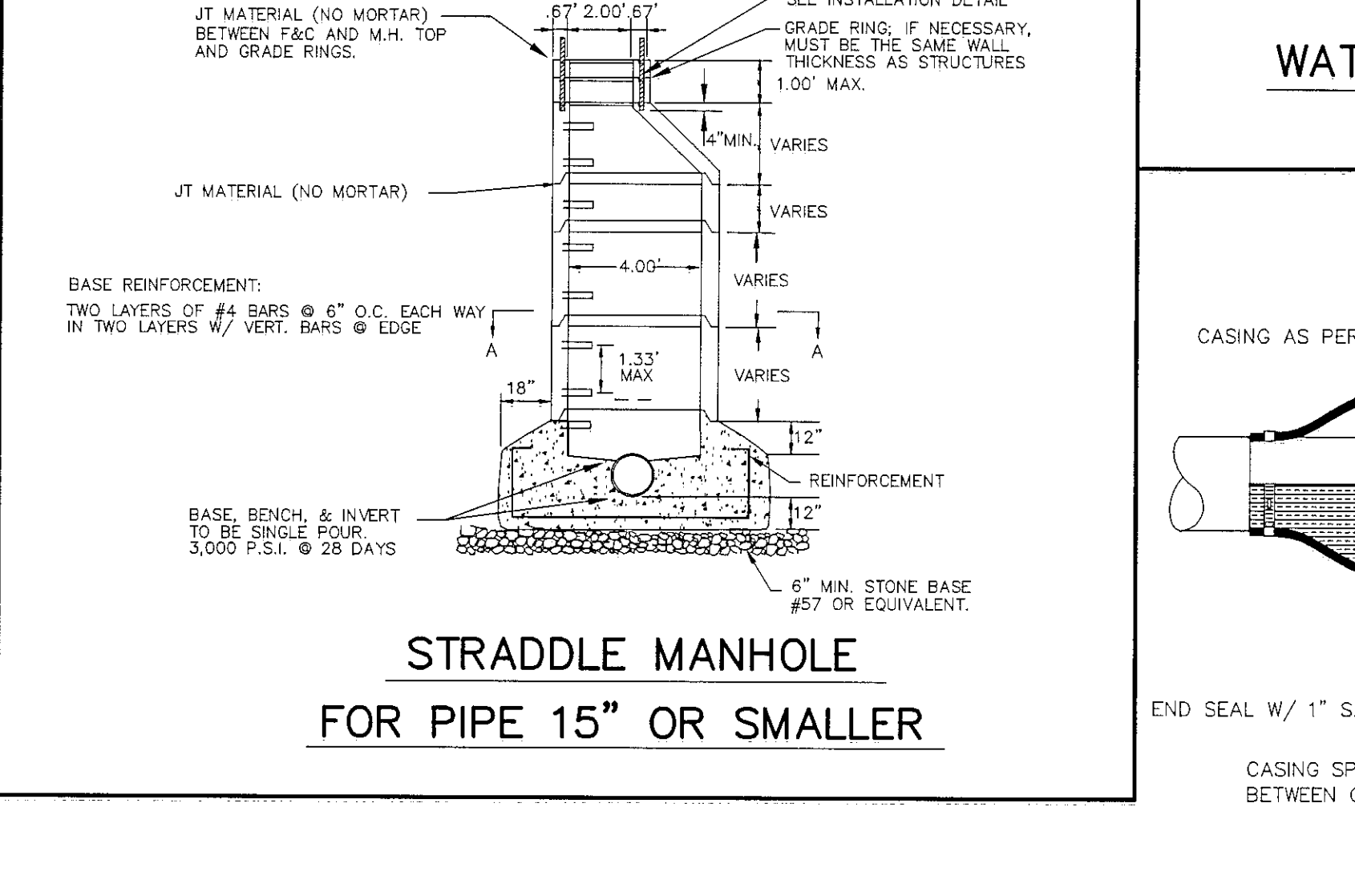
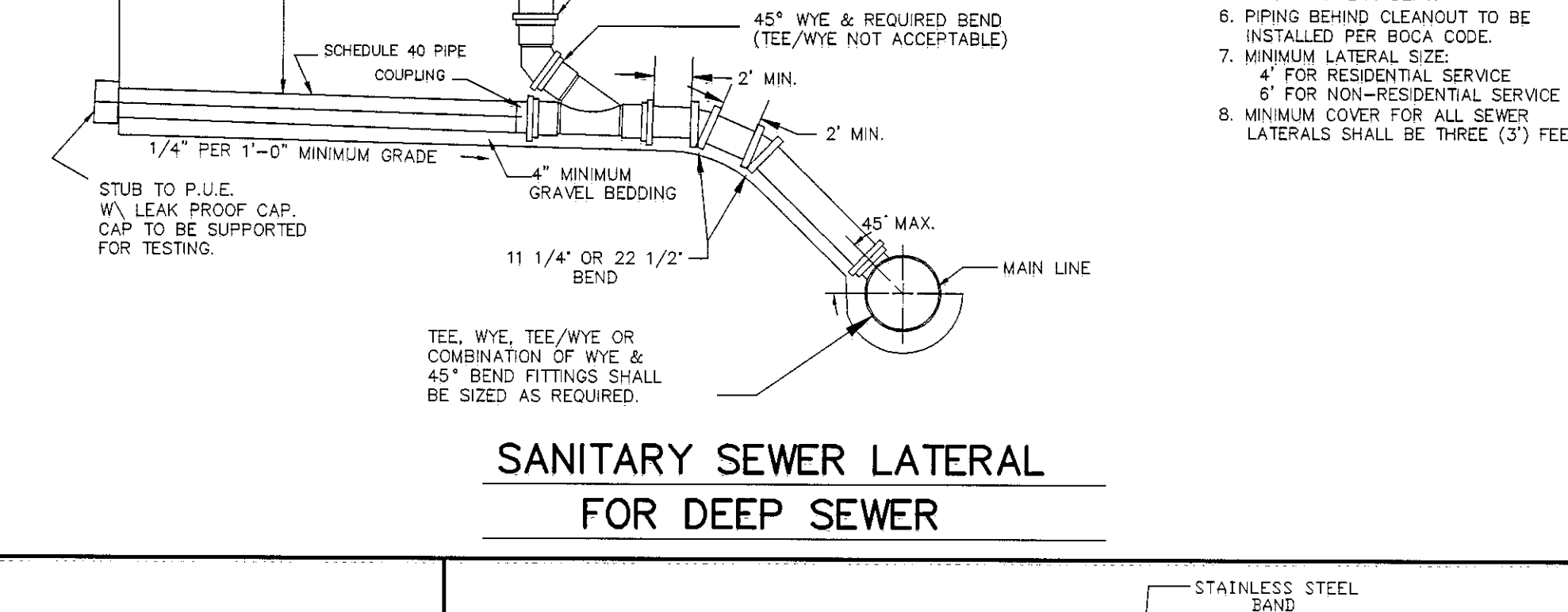
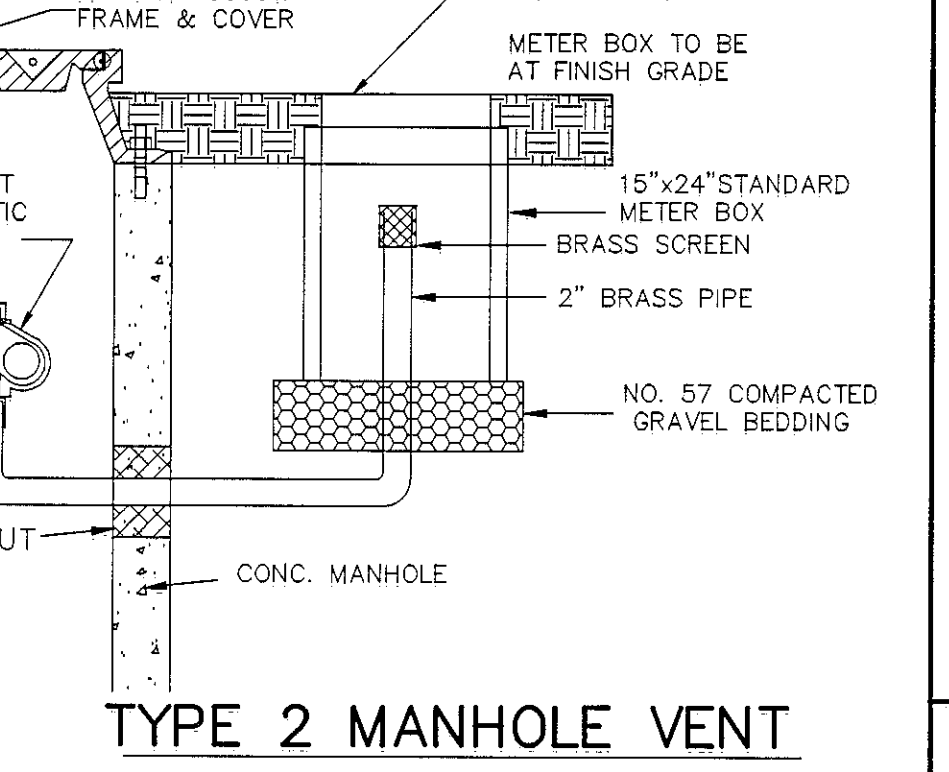
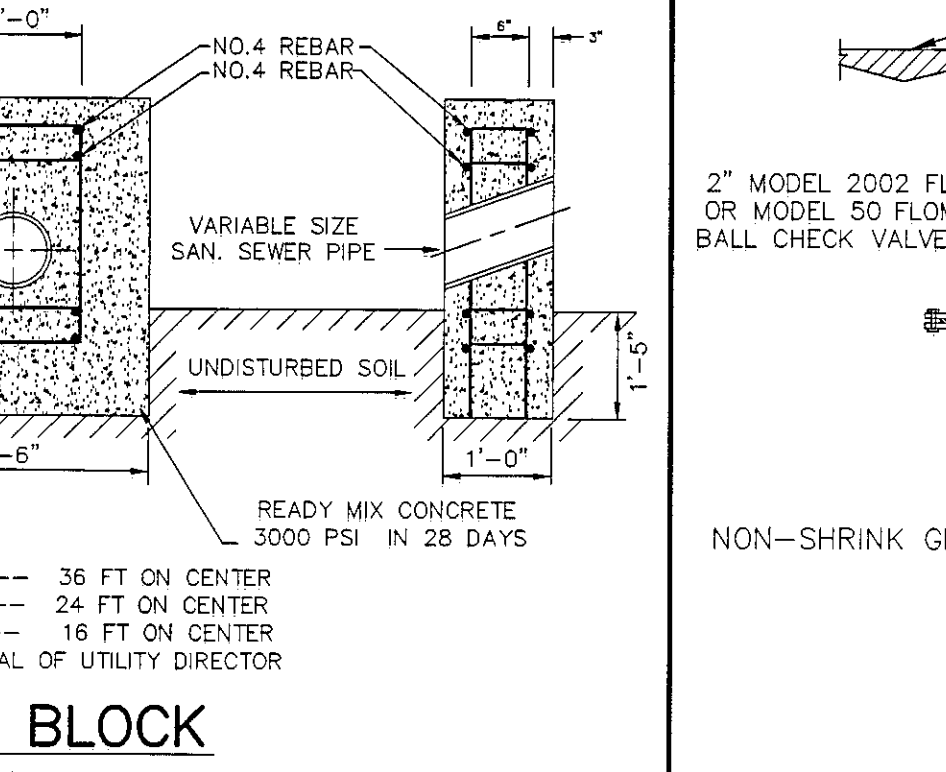
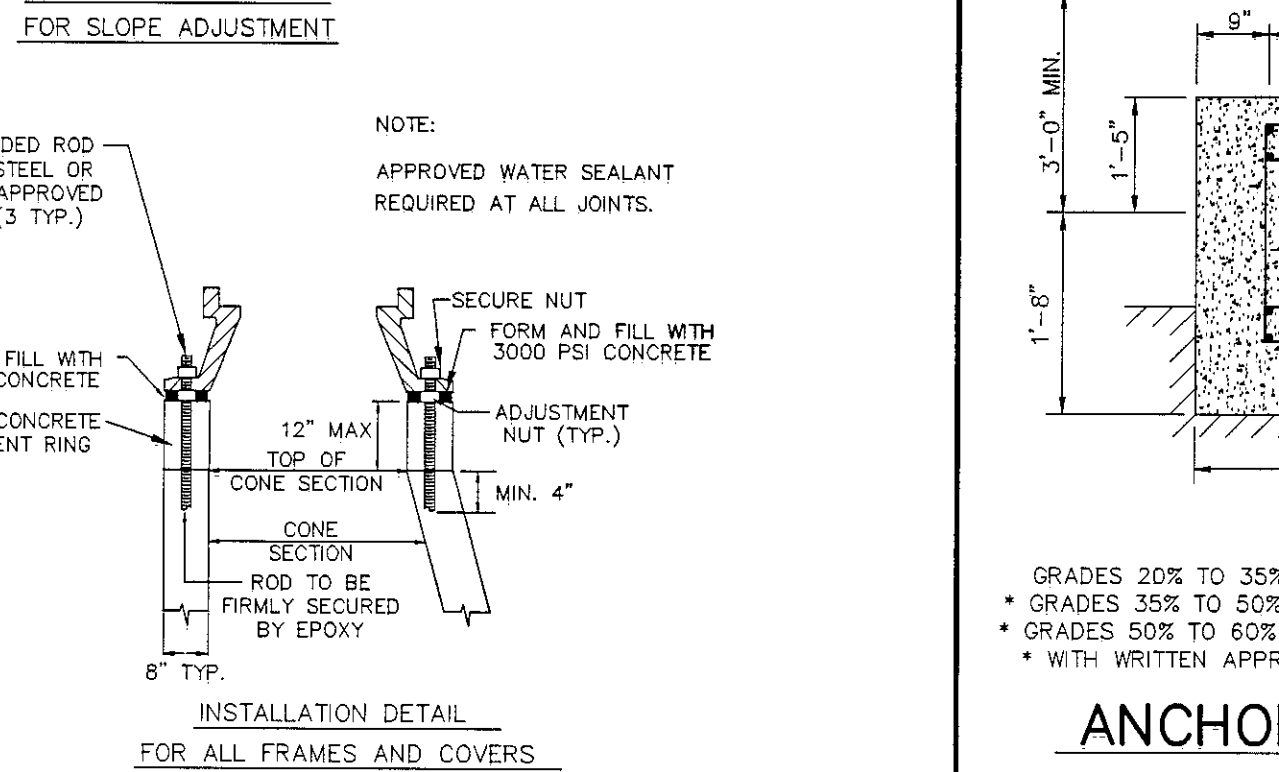
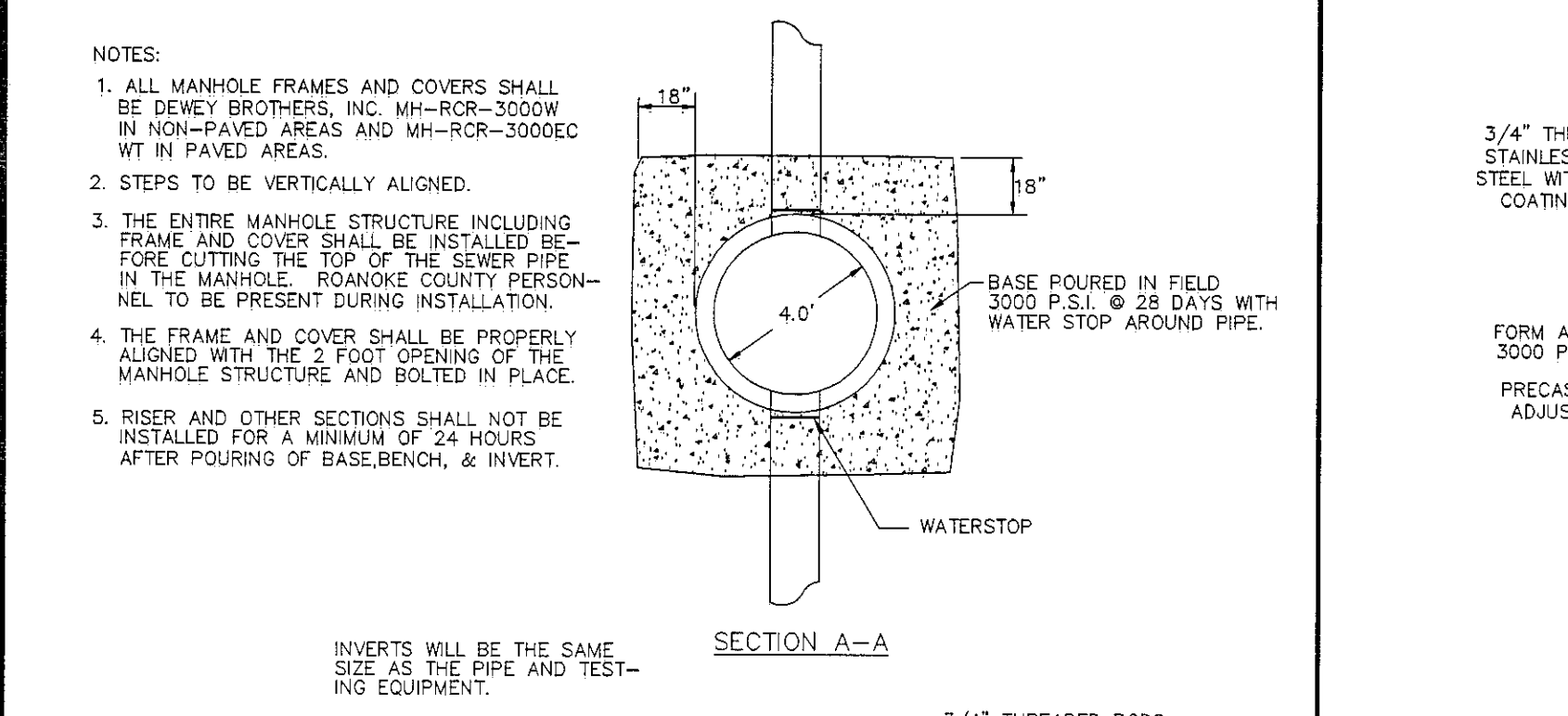
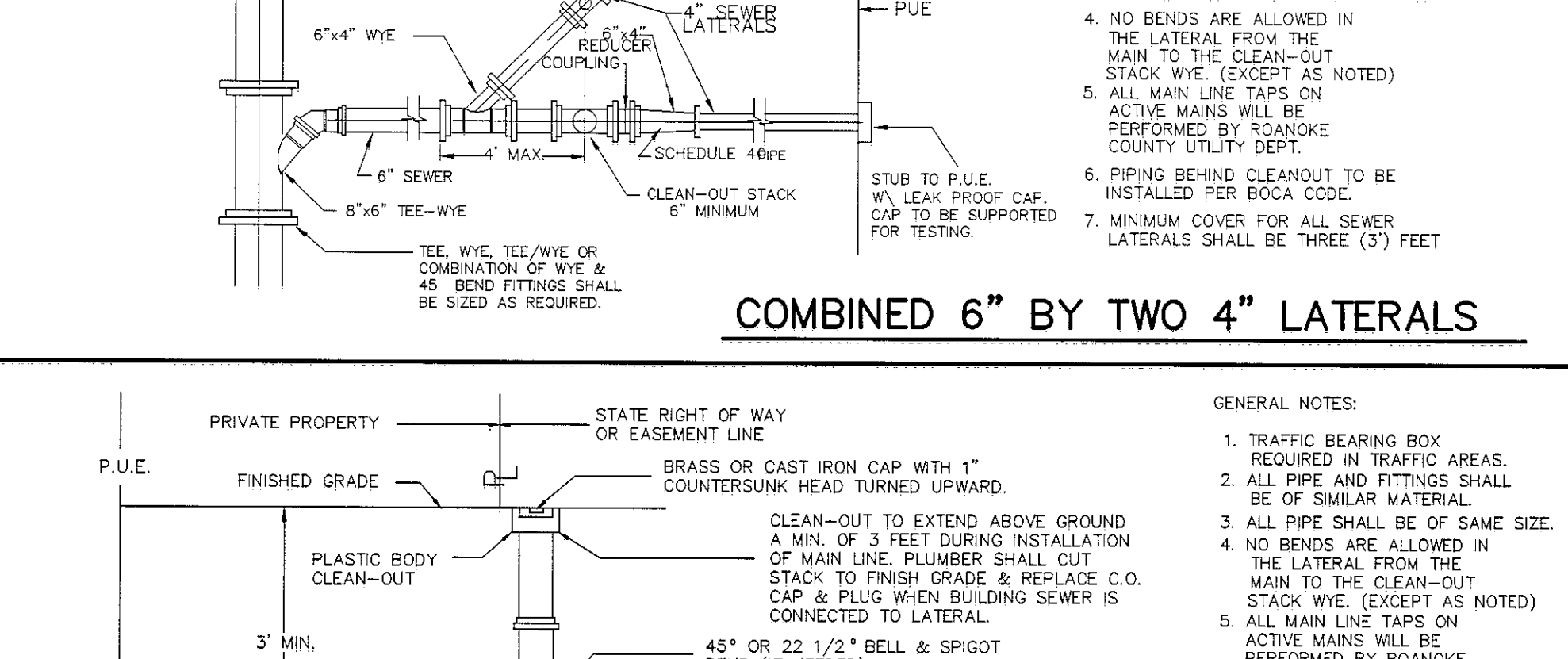
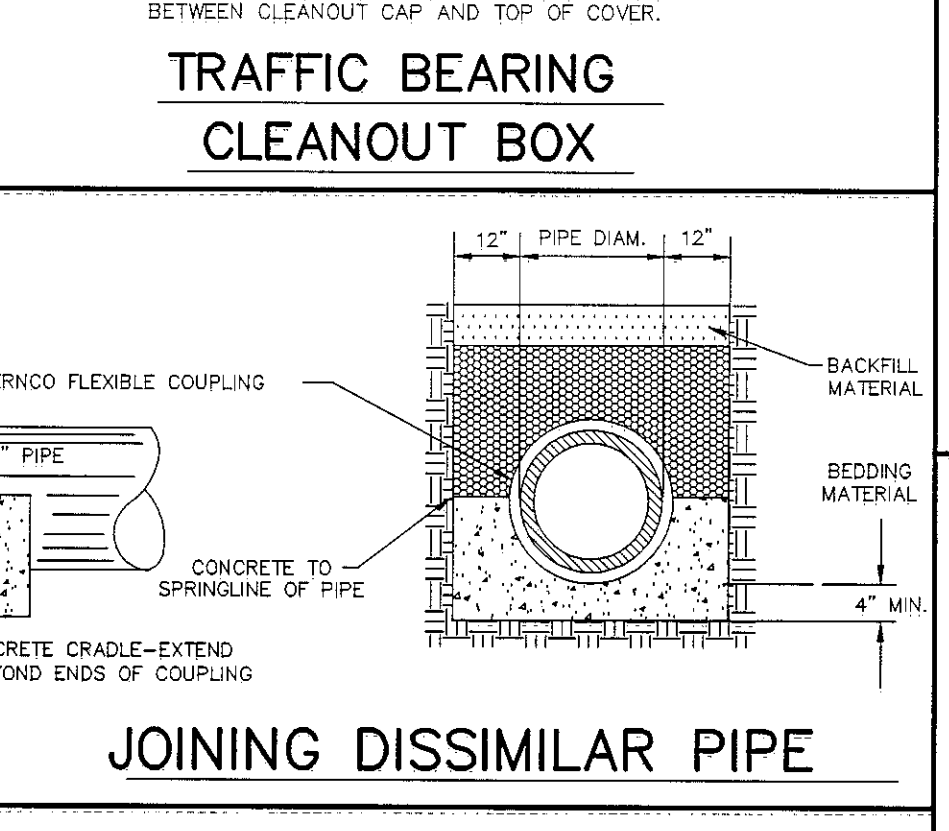
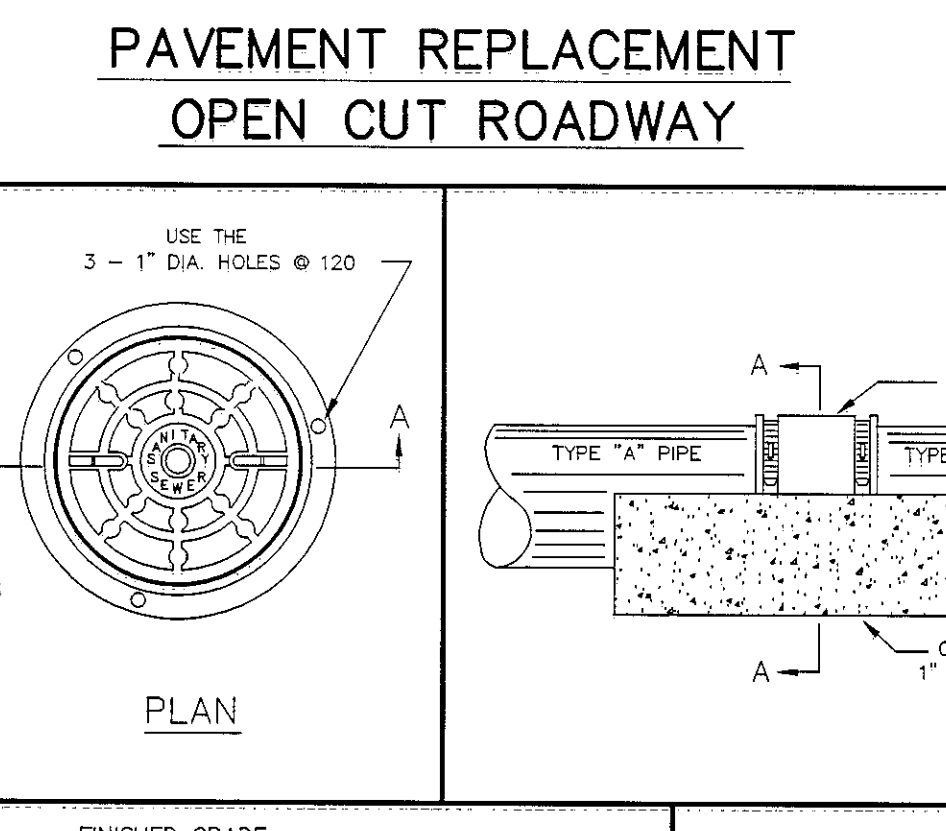
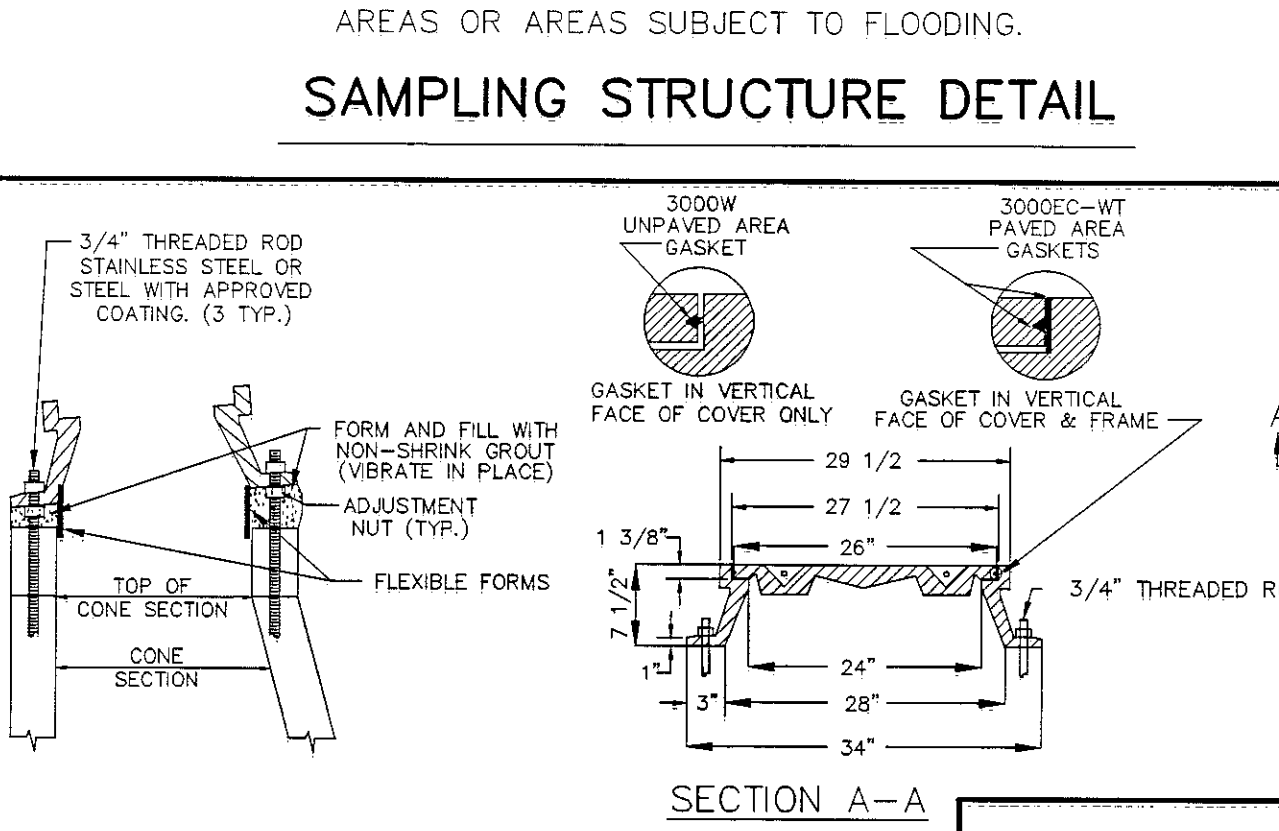


Pipe Diameter (in.)	Min. Time (min.)	Length for Min. Time (ft.)	Specified Time for Length (L) Shown (minutes)															
			100 ft.	150 ft.	200 ft.	250 ft.	300 ft.	350 ft.	400 ft.	450 ft.								
4	3:46	597	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46		
6	5:40	398	8:54	5:40	5:40	5:40	5:40	5:40	5:40	5:40	5:40	5:40	5:40	5:40	5:40	5:40		
8	7:34	298	1:52.0	7:34	7:34	7:34	7:34	7:34	7:34	7:36	8:52	10:08	11:24					
10	9:26	239	2:37.4	9:26	9:26	9:26	9:26	9:53	11:52	13:51	15:49	17:48						
12	11:20	199	3:41.8	11:20	11:20	11:20	11:24	14:15	17:05	19:56	22:47	25:38						
15	14:10	159	5:34.2	14:10	14:10	17:48	22:15	25:42	30:09	34:36	39:03	40:04						
18	17:00	133	7:69.2	17:00	19:13	25:38	32:03	38:27	44:52	51:16	57:41							
21	19:50	114	10:47.0	19:50	26:10	34:54	43:37	52:21	61:05	69:48	78:31							
24	22:40	99	13:67.4	22:47	34:11	45:34	56:58	68:32	79:46	91:10	102:33							
27	25:30	88	17:06.1	28:51	43:16	57:41	72:07	86:32	100:57	115:22	129:48							
30	28:20	80	21:36.6	35:37	53:25	71:13	89:02	106:50	124:38	142:26	160:15							
33	31:10	72	25:85.2	43:05	64:38	86:10	107:43	129:16	150:50	172:23	193:53							
36	34:00	66	30:76.8	51:17	76:55	102:34	128:12	153:50	179:29	205:07	230:46							

MINIMUM
SPECIFIED TIME
REQUIRED FOR
A 1.0 PSIG
PRESSURE DROP
FOR SIZE AND
LENGTH OF PIPE
INDICATED FOR
Q = 0.0015



Commission No.: 1823
 Drawn By: JFR
 Checked By: WTA
 Date: 9/28/01
 Project Coordinator: WTA

Mattem & Craig
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Vertical Scale: N/A
 Horizontal Scale: N/A
 Issue Date: 9/28/01
 Sheet No.: C-32