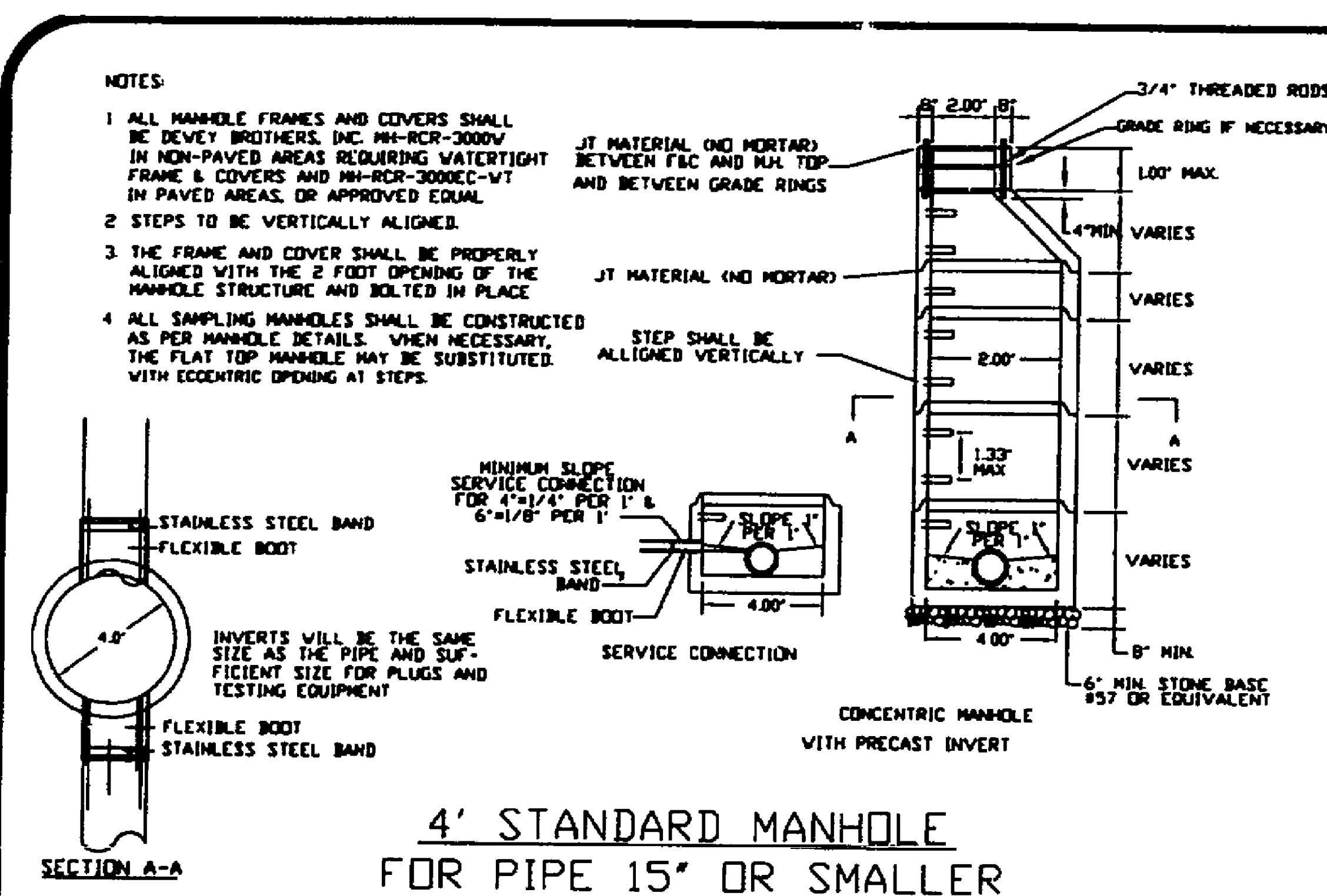
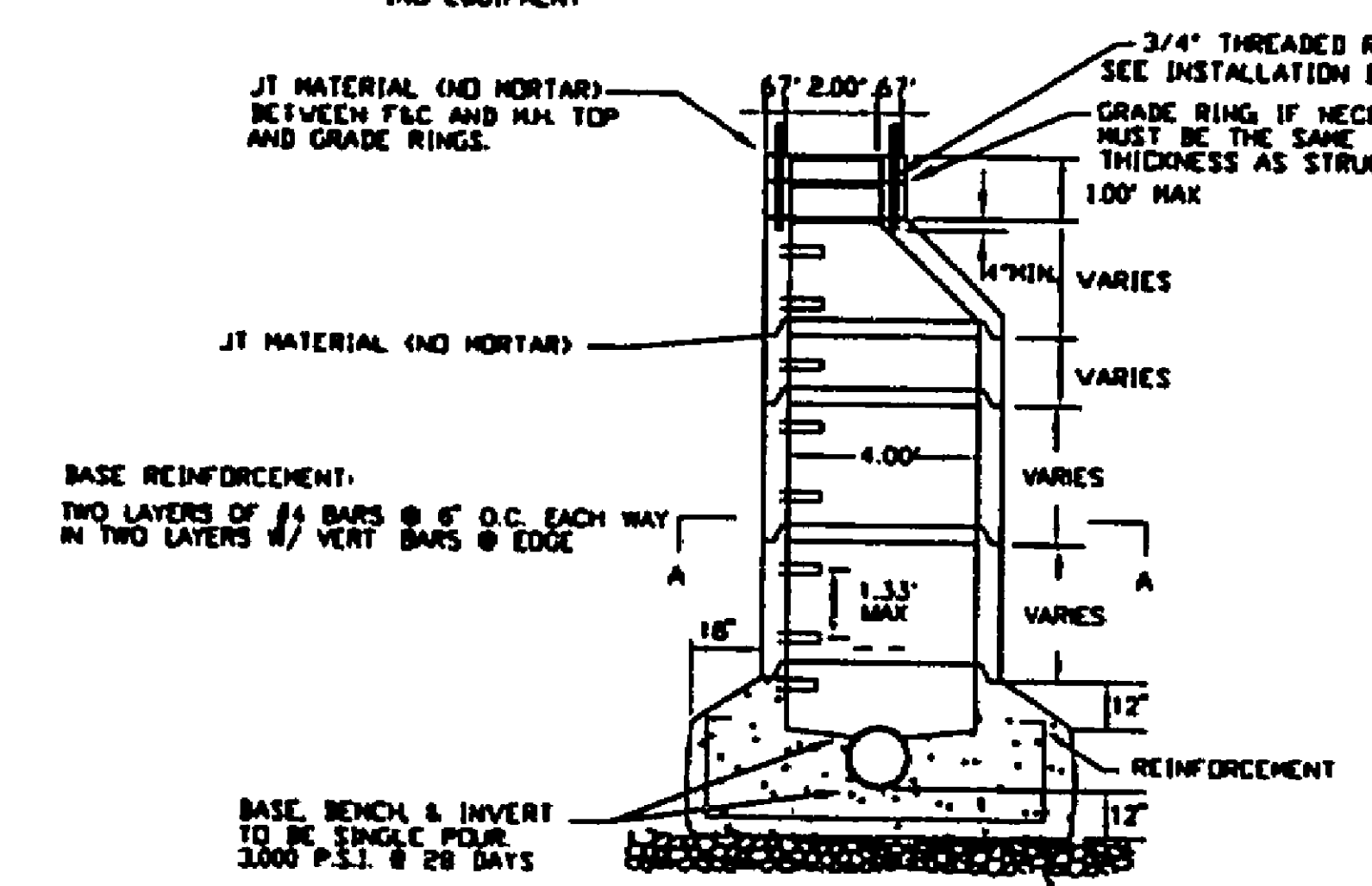
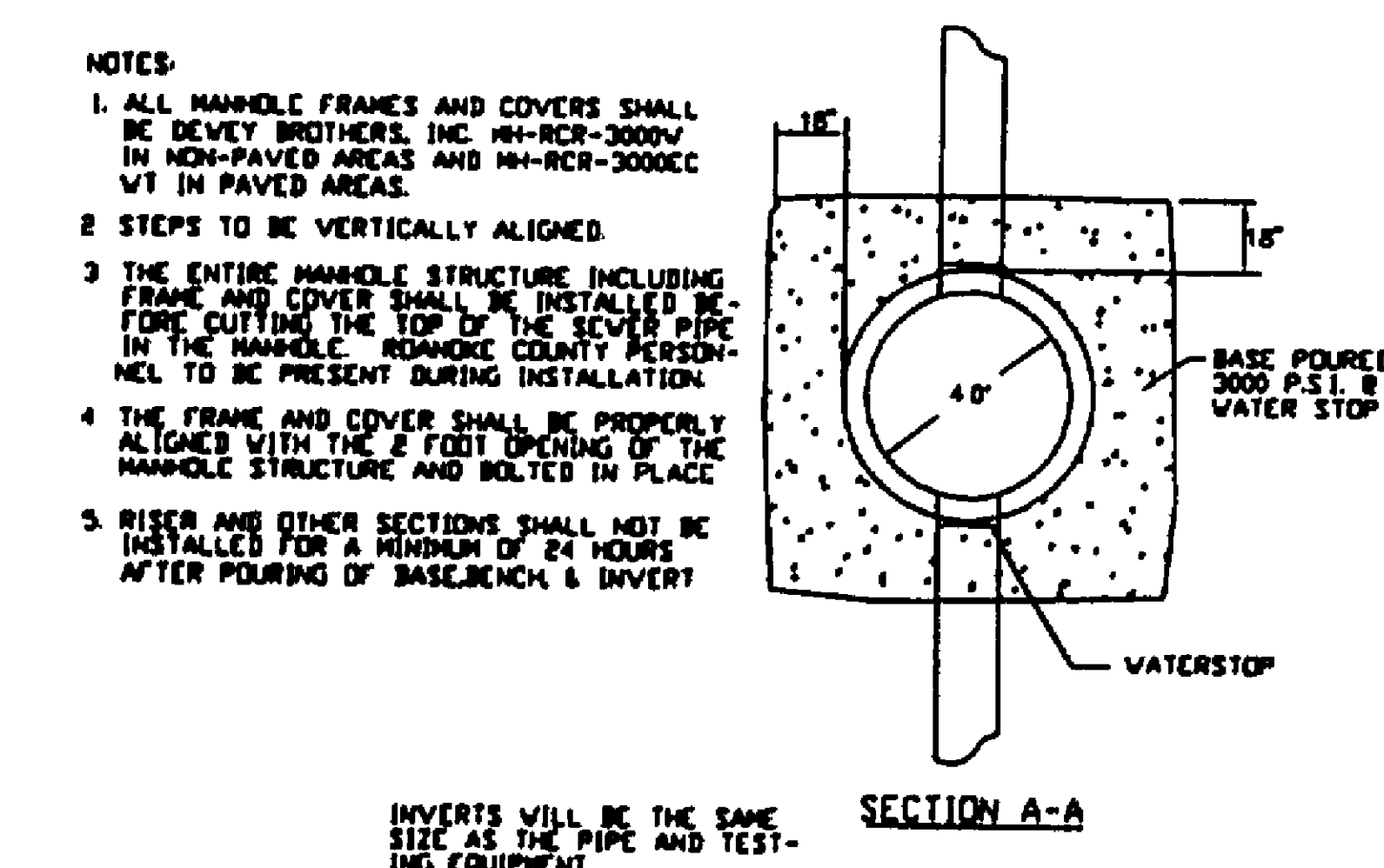




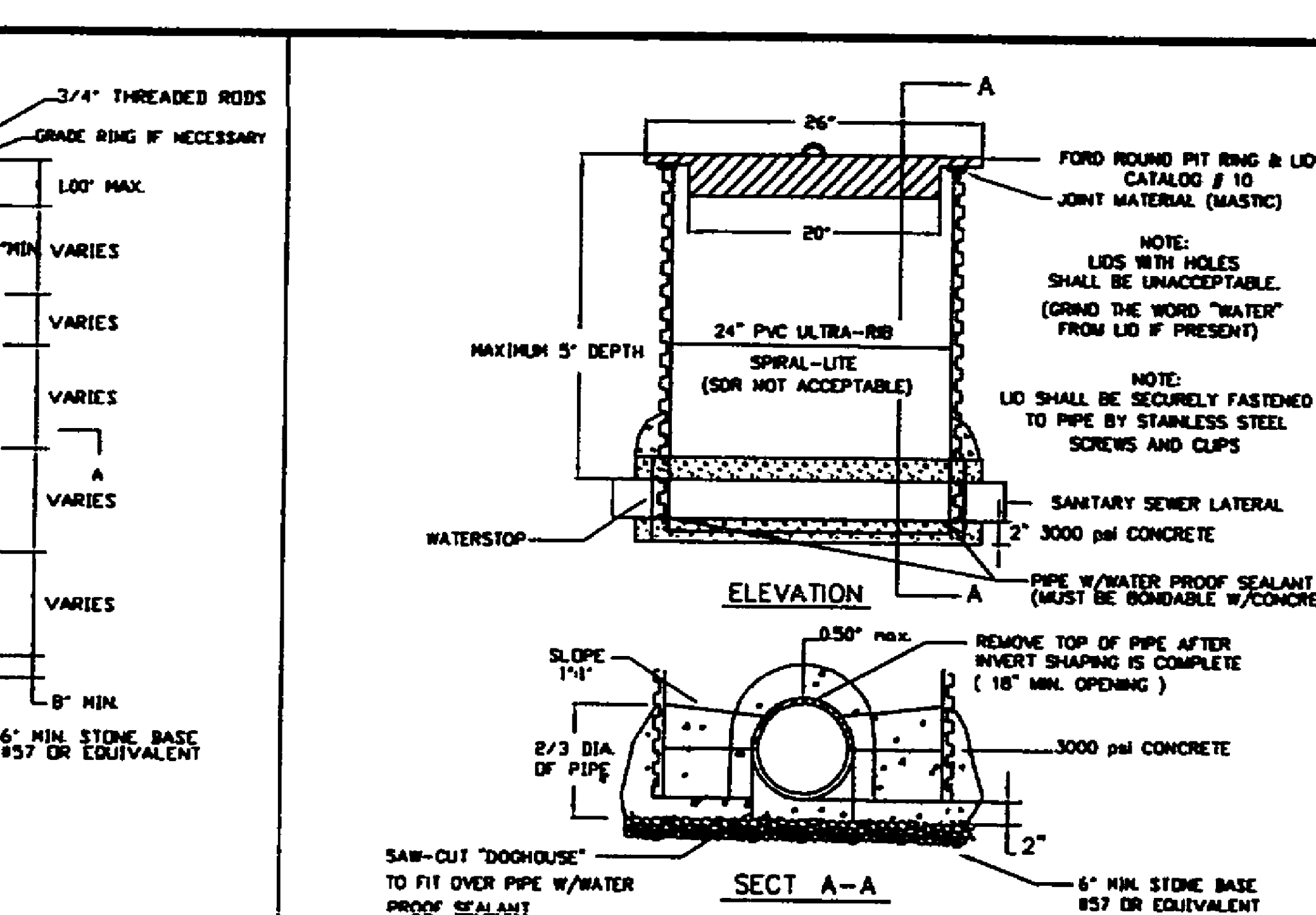
Pipe Diameter (in.)	Min Time (min/sec)	Length (ft)	Time for Longer Length (min/sec)	Specified Time for Length (L) Shown (murses)									
				100 ft	150 ft	200 ft	250 ft	300 ft	350 ft	400 ft	450 ft		
4	3:48	587	280 L	3:48	3:48	3:48	3:48	3:48	3:48	3:48	3:48	3:48	
6	5:40	260	854 L	5:40	5:40	5:40	5:40	5:40	5:40	5:40	5:42	6:24	
8	7:34	296	1,520 L	7:34	7:34	7:34	7:34	7:38	8:52	10:08	11:24	11:24	
10	9:28	239	2,374 L	9:28	9:28	9:28	9:53	11:52	13:51	15:39	17:48	17:48	
12	11:20	288	3,418 L	11:20	11:20	11:24	14:15	17:05	19:56	22:47	25:38	25:38	
15	14:10	156	5,342 L	14:10	14:10	17:48	22:15	26:42	31:09	35:36	40:04	40:04	
18	17:00	133	7,897 L	17:00	19:13	25:38	32:03	38:27	44:52	51:16	57:41	57:41	
21	19:50	114	10,470 L	19:50	26:20	34:54	43:37	52:21	61:00	69:48	78:31	78:31	
24	22:40	99	13,874 L	22:47	34:11	46:50	56:56	66:22	76:48	86:41	96:13	102:33	
27	25:30	88	17,306 L	25:51	43:16	57:41	72:07	86:33	100:57	115:32	129:58	129:58	
30	28:20	80	21,366 L	30:37	53:25	71:13	89:02	106:50	124:38	142:26	160:15	160:15	
33	31:10	72	25,852 L	43:05	64:38	86:10	107:43	129:16	150:43	172:21	193:53	193:53	
36	34:00	60	30,788 L	51:11	78:05	102:34	126:13	150:19	173:29	200:37	220:46	220:46	



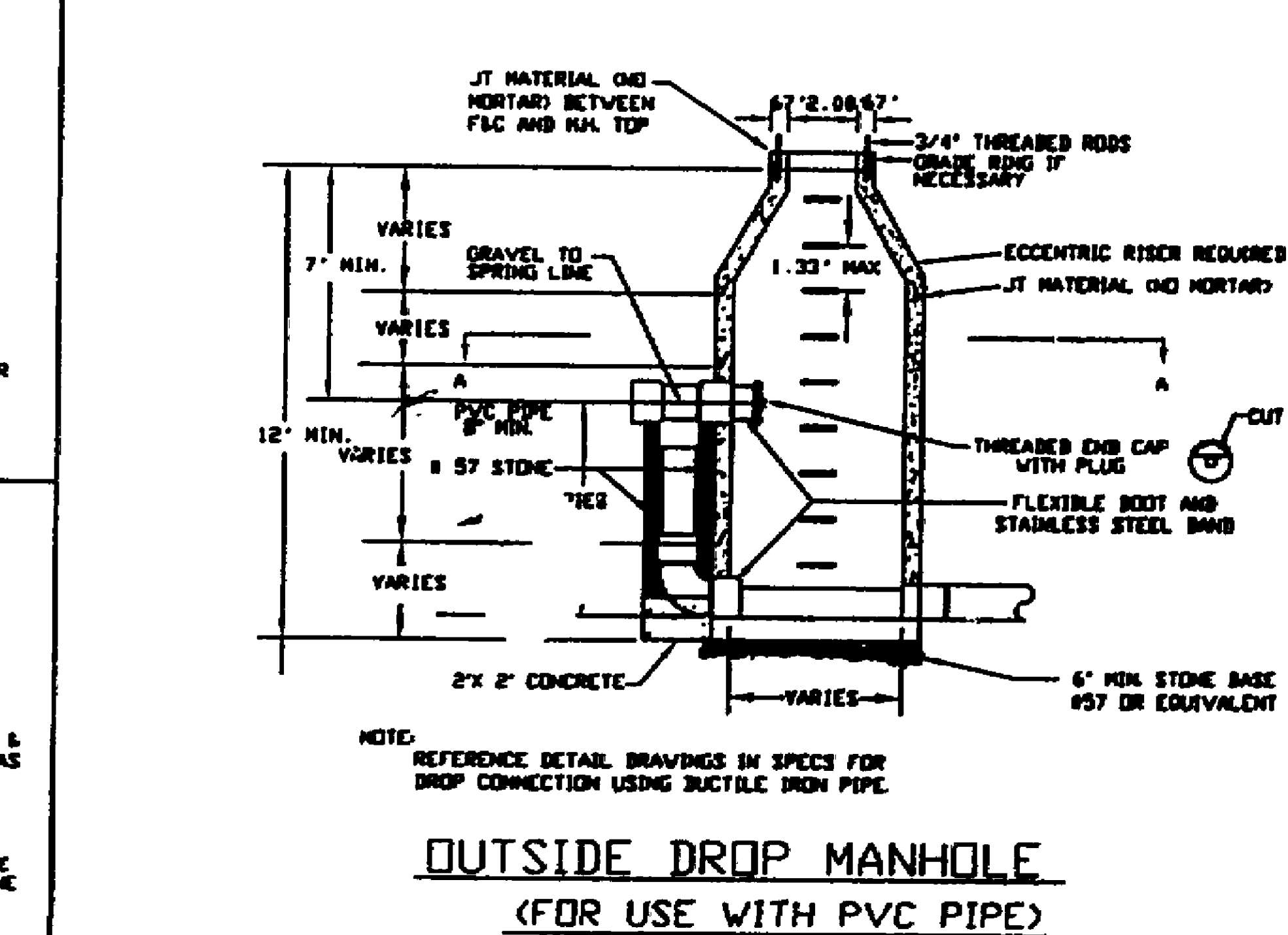
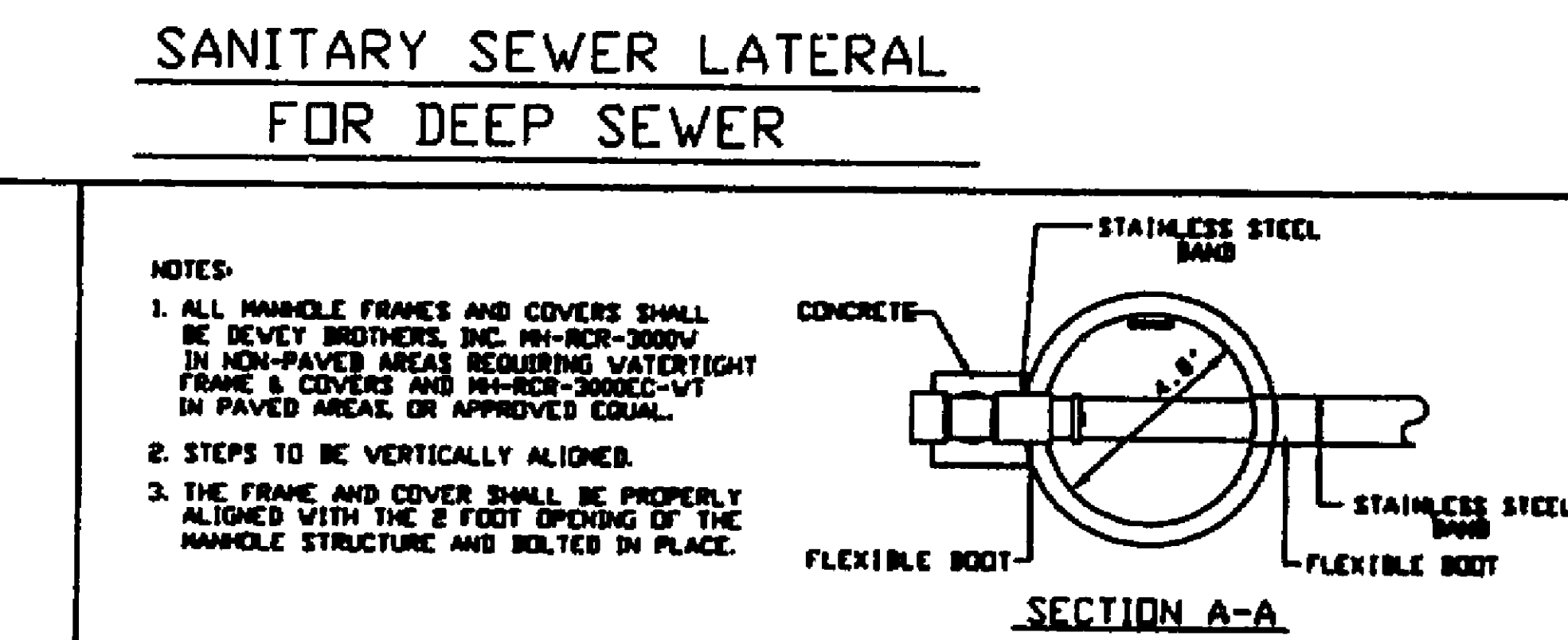
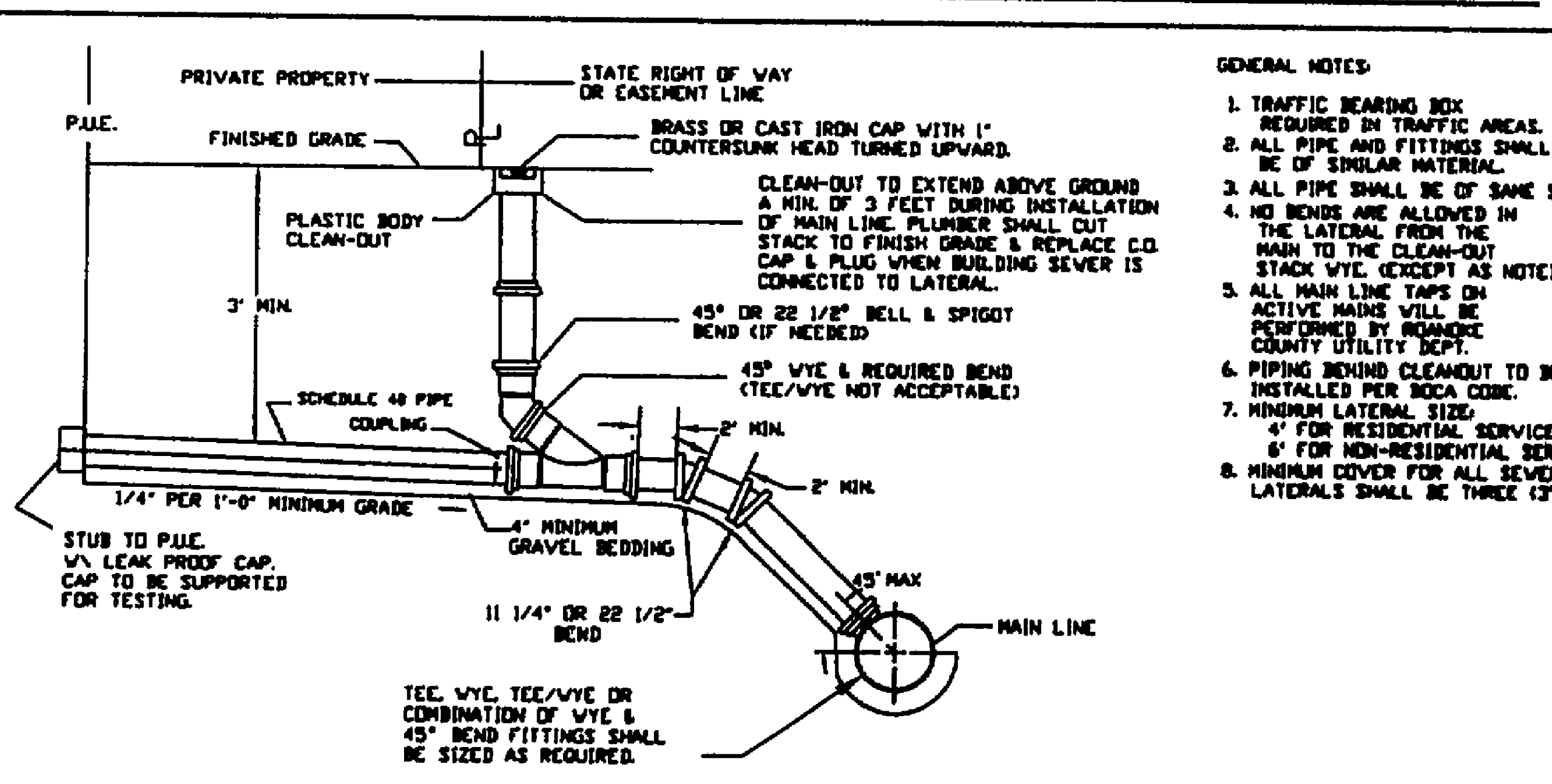
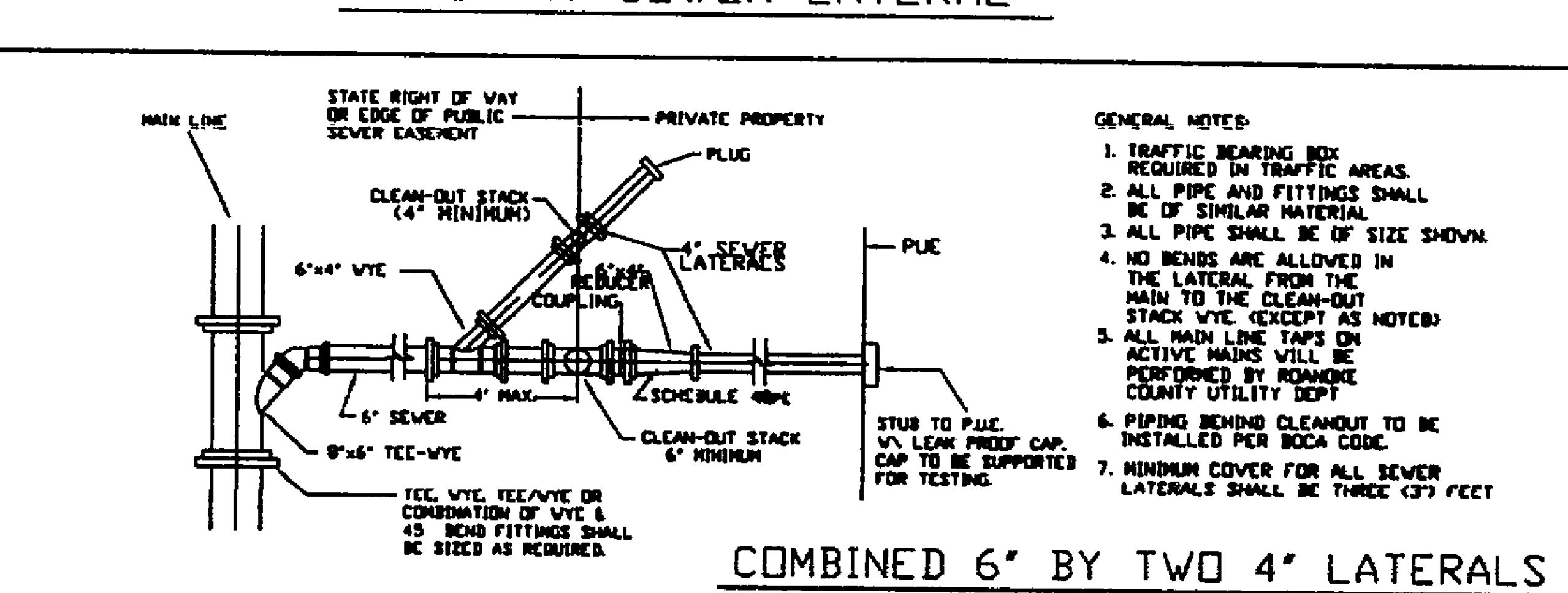
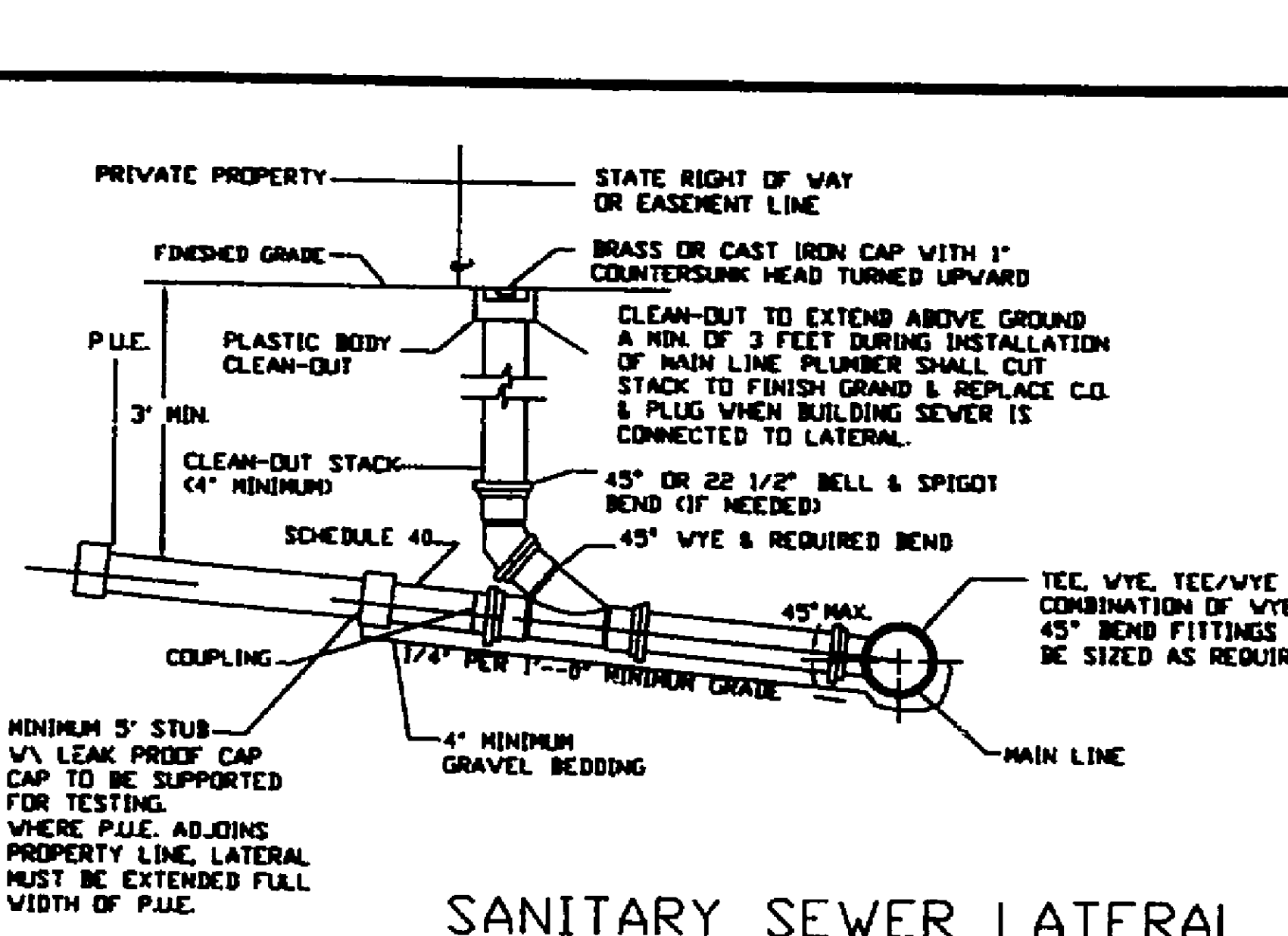
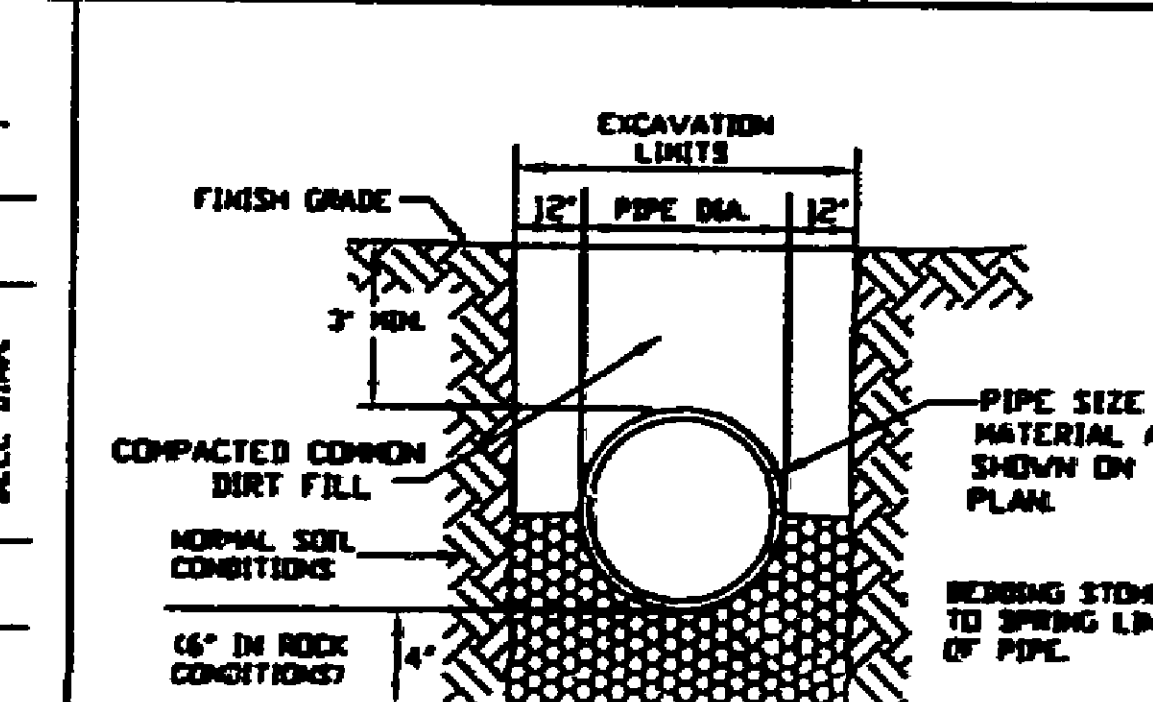
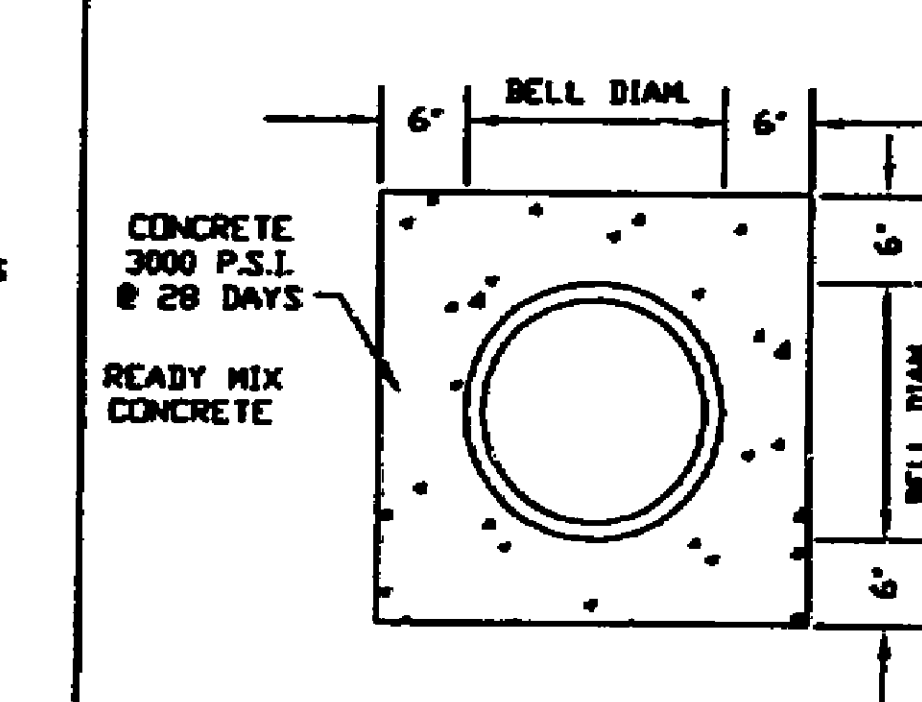
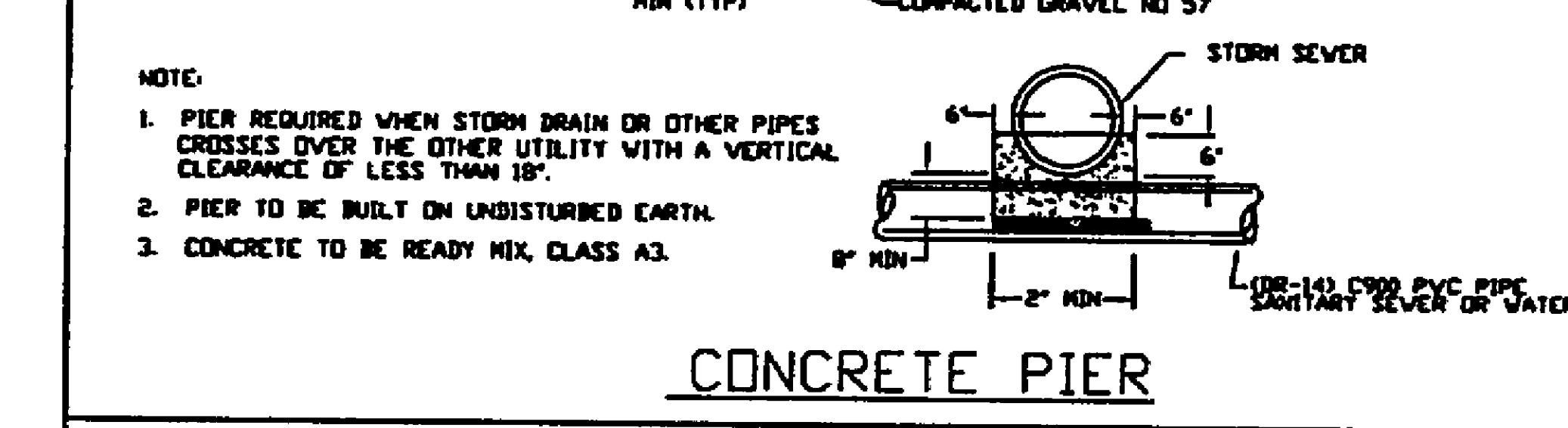
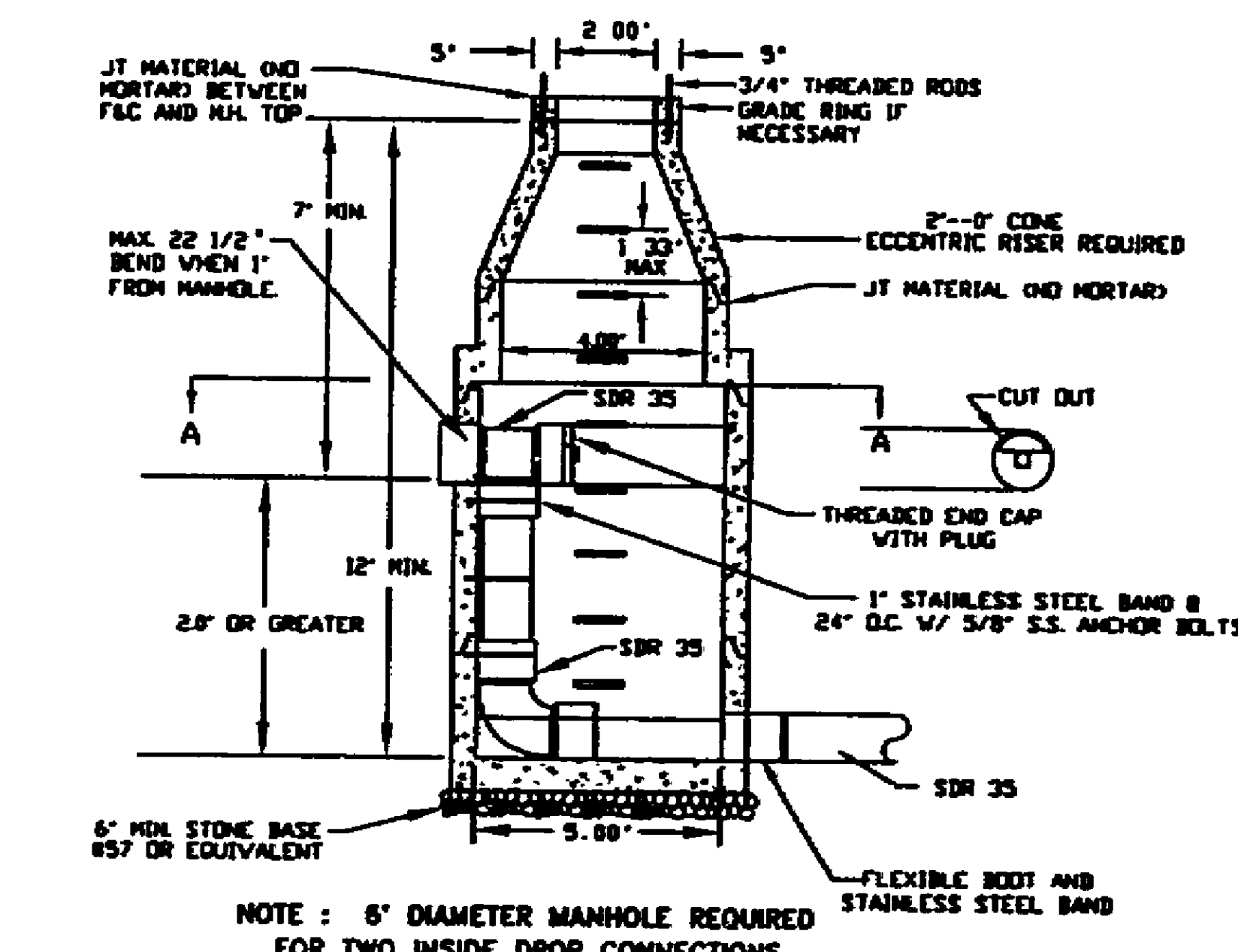
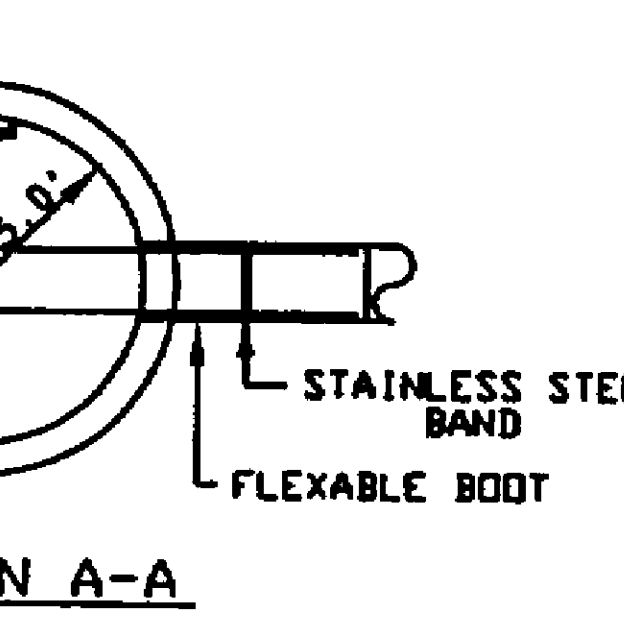
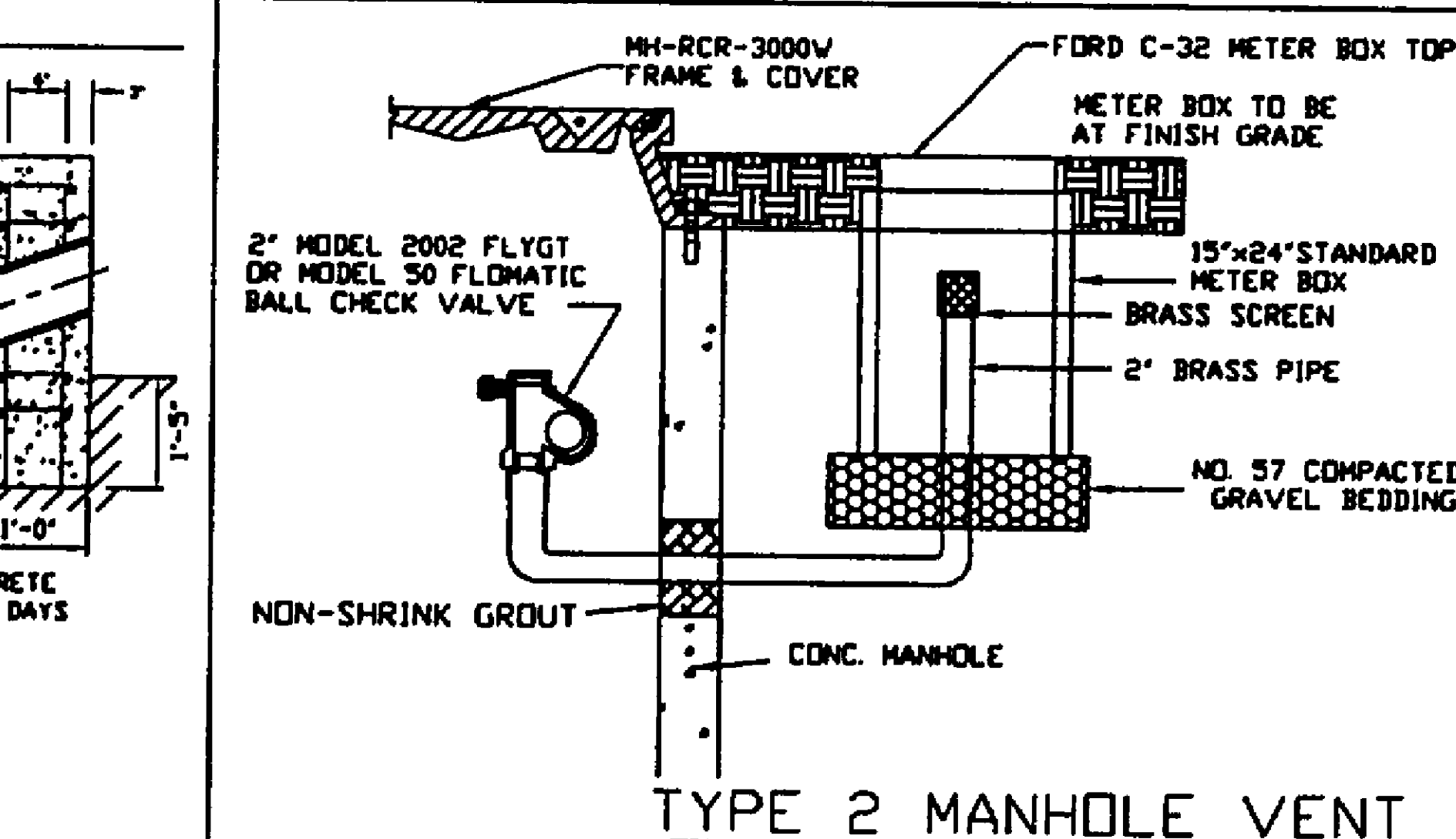
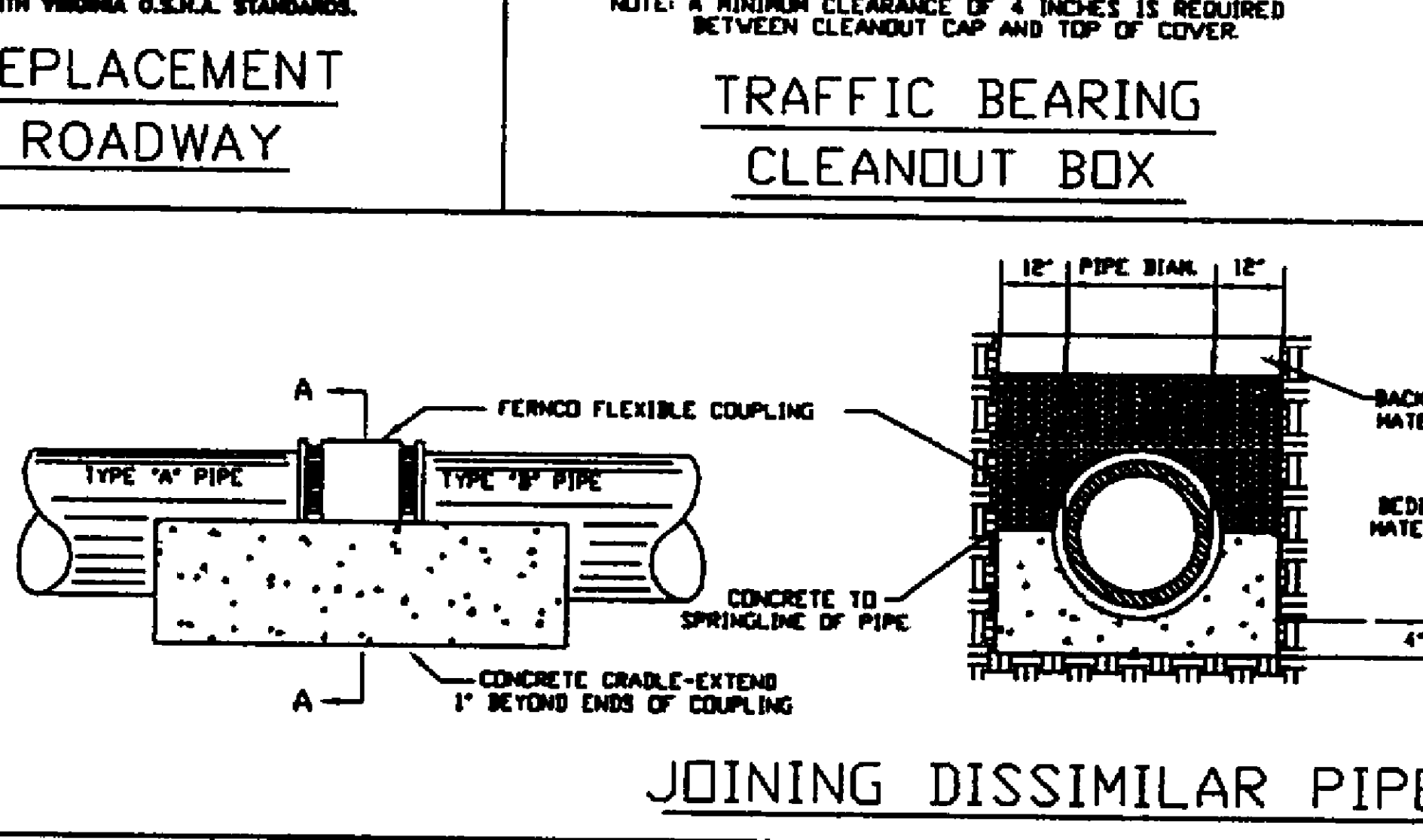
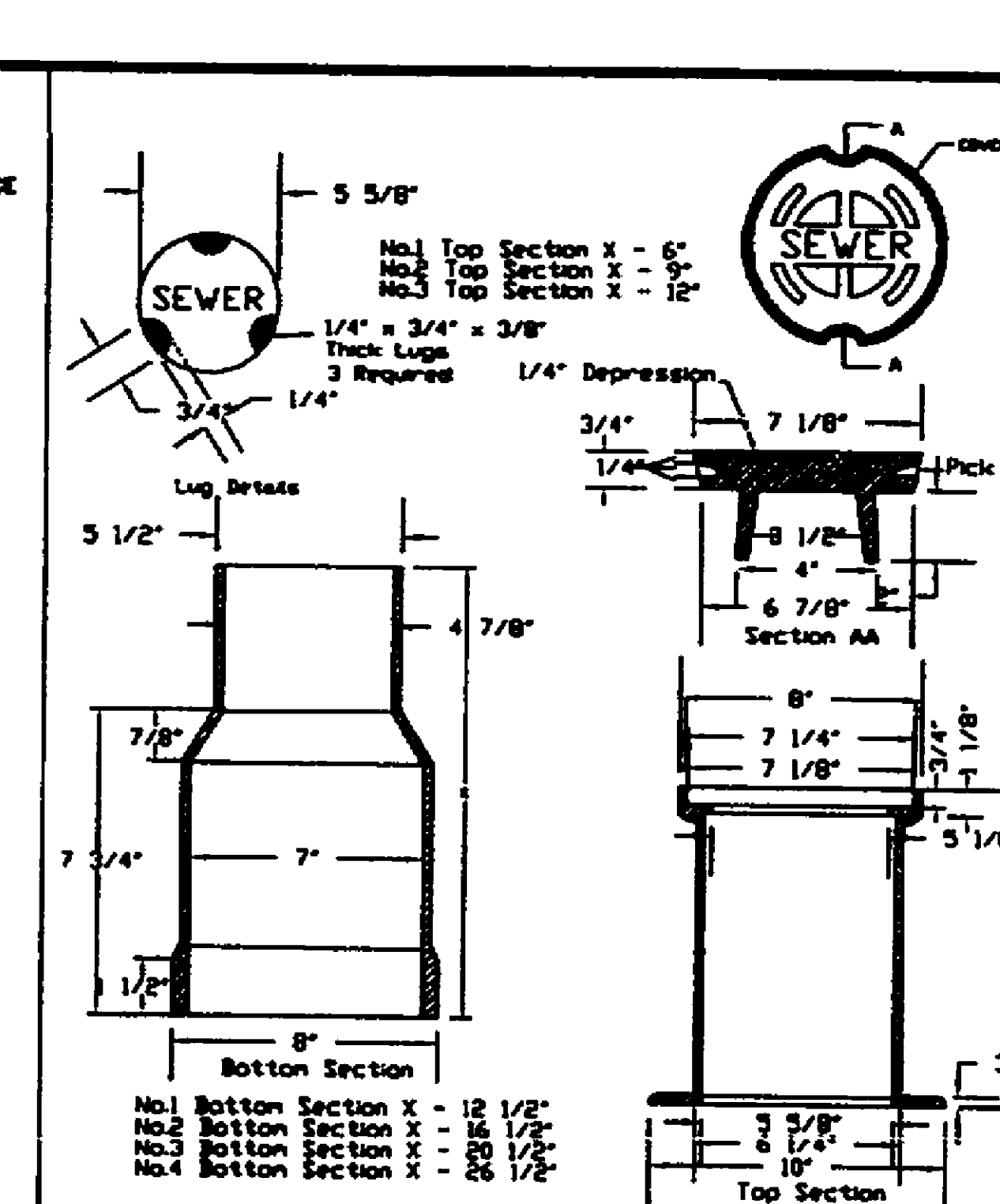
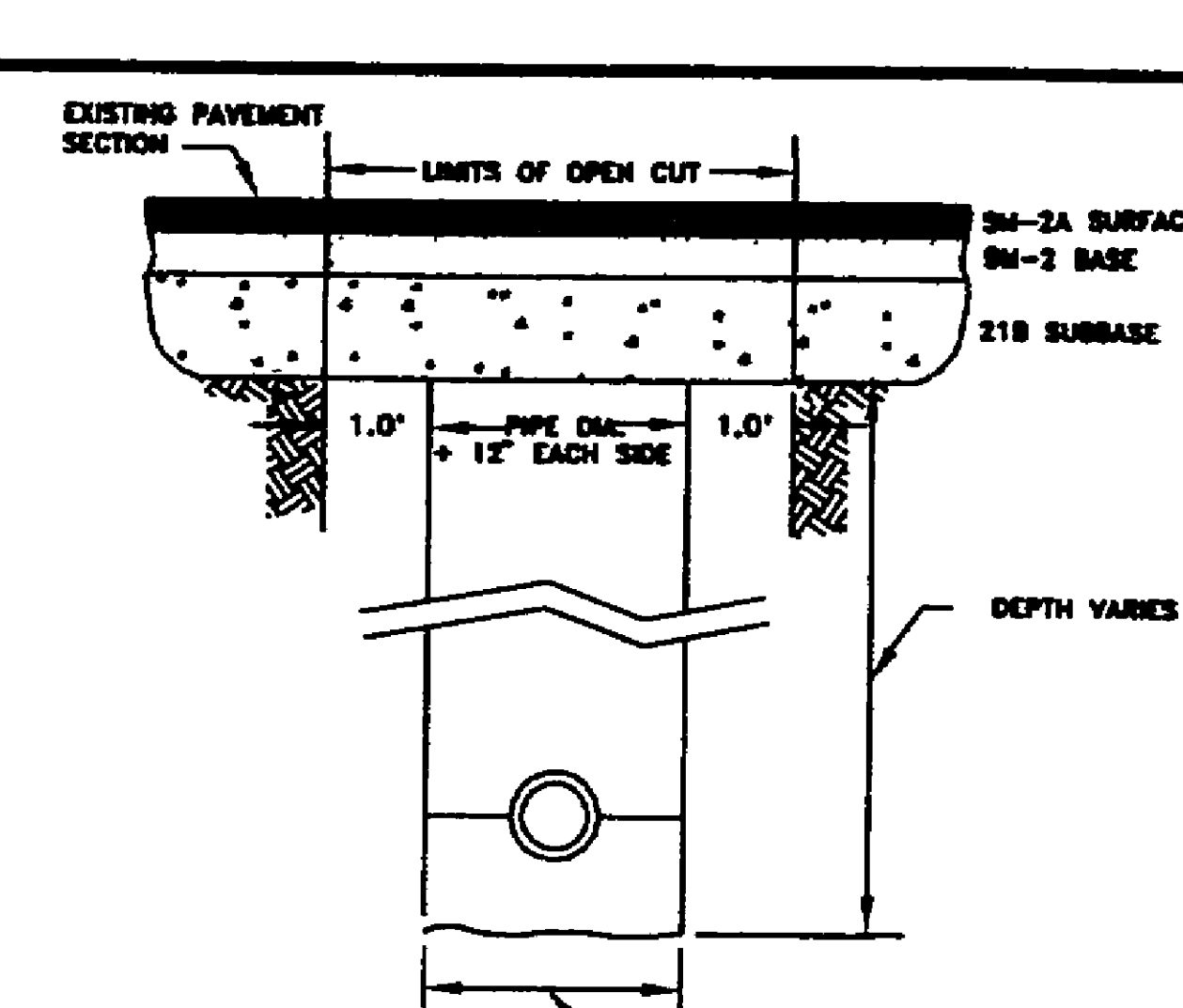
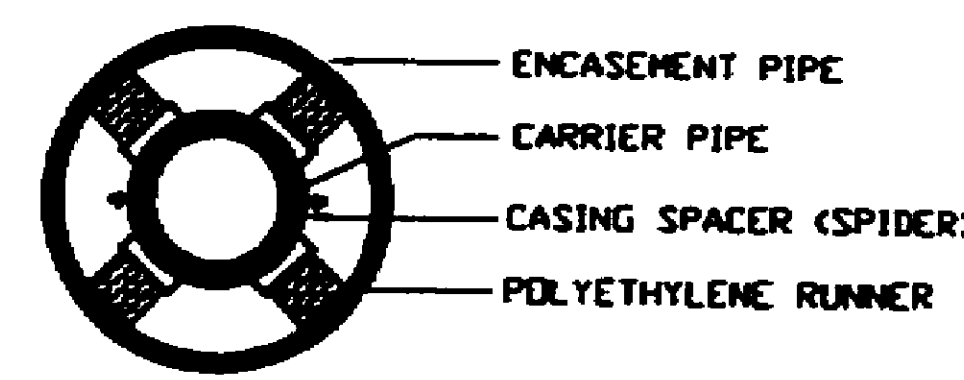
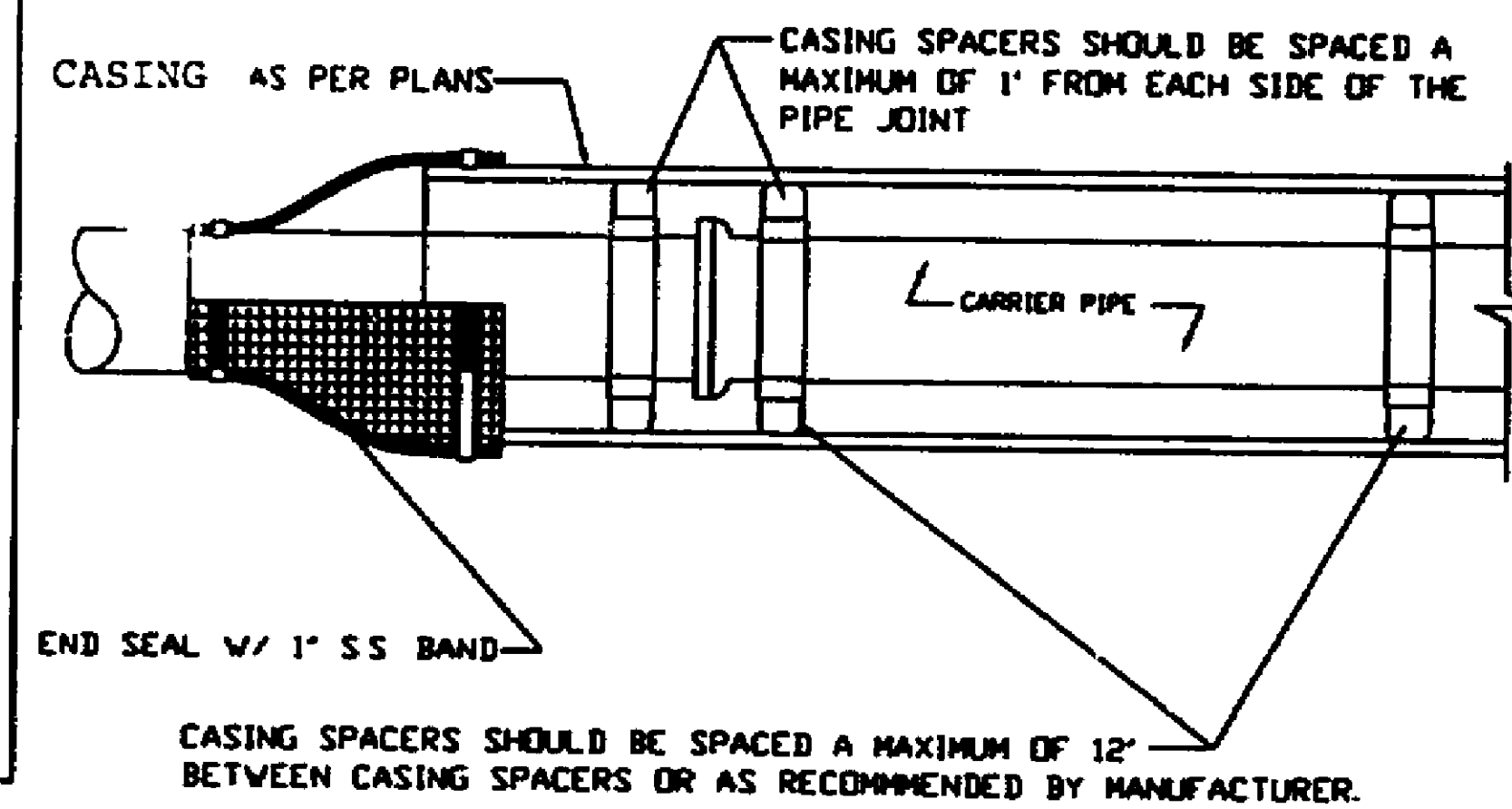
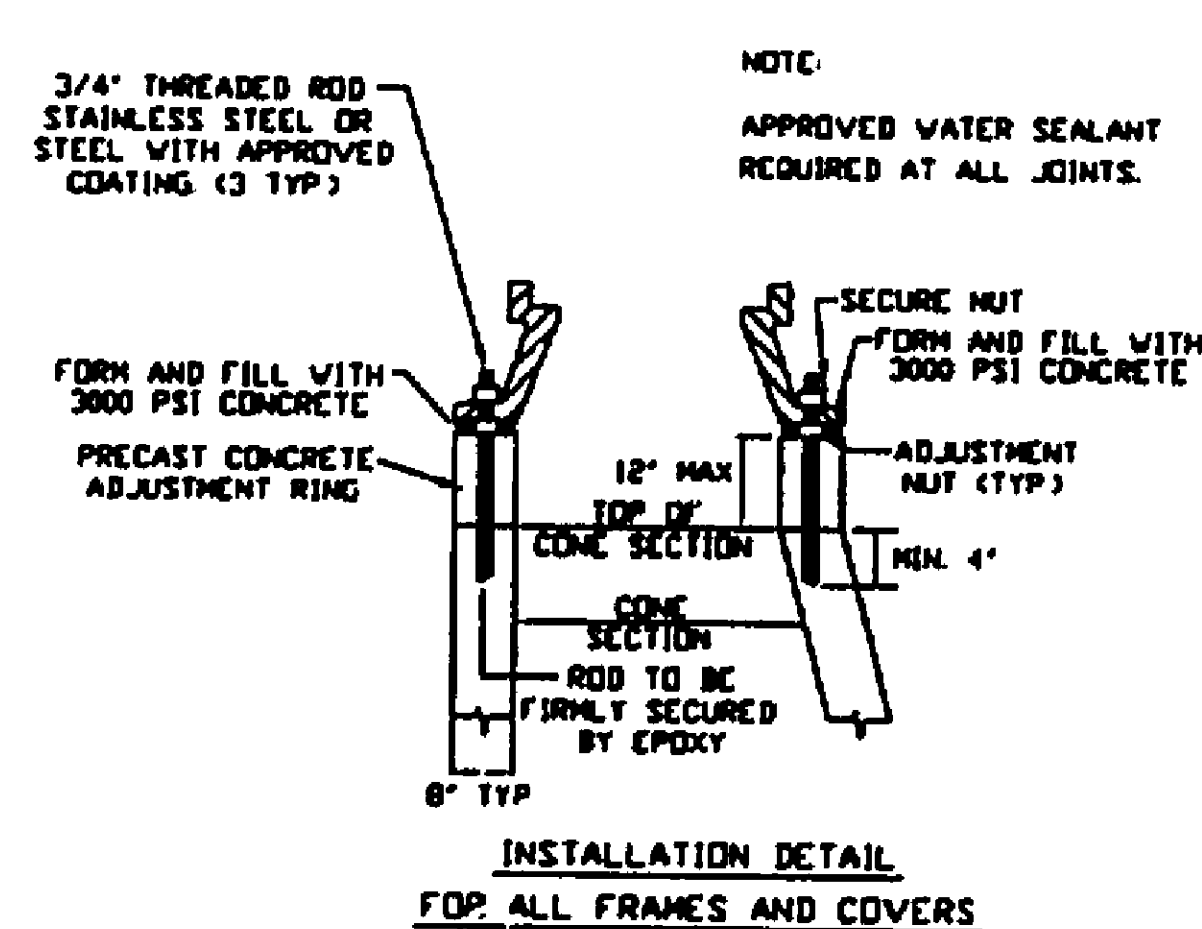
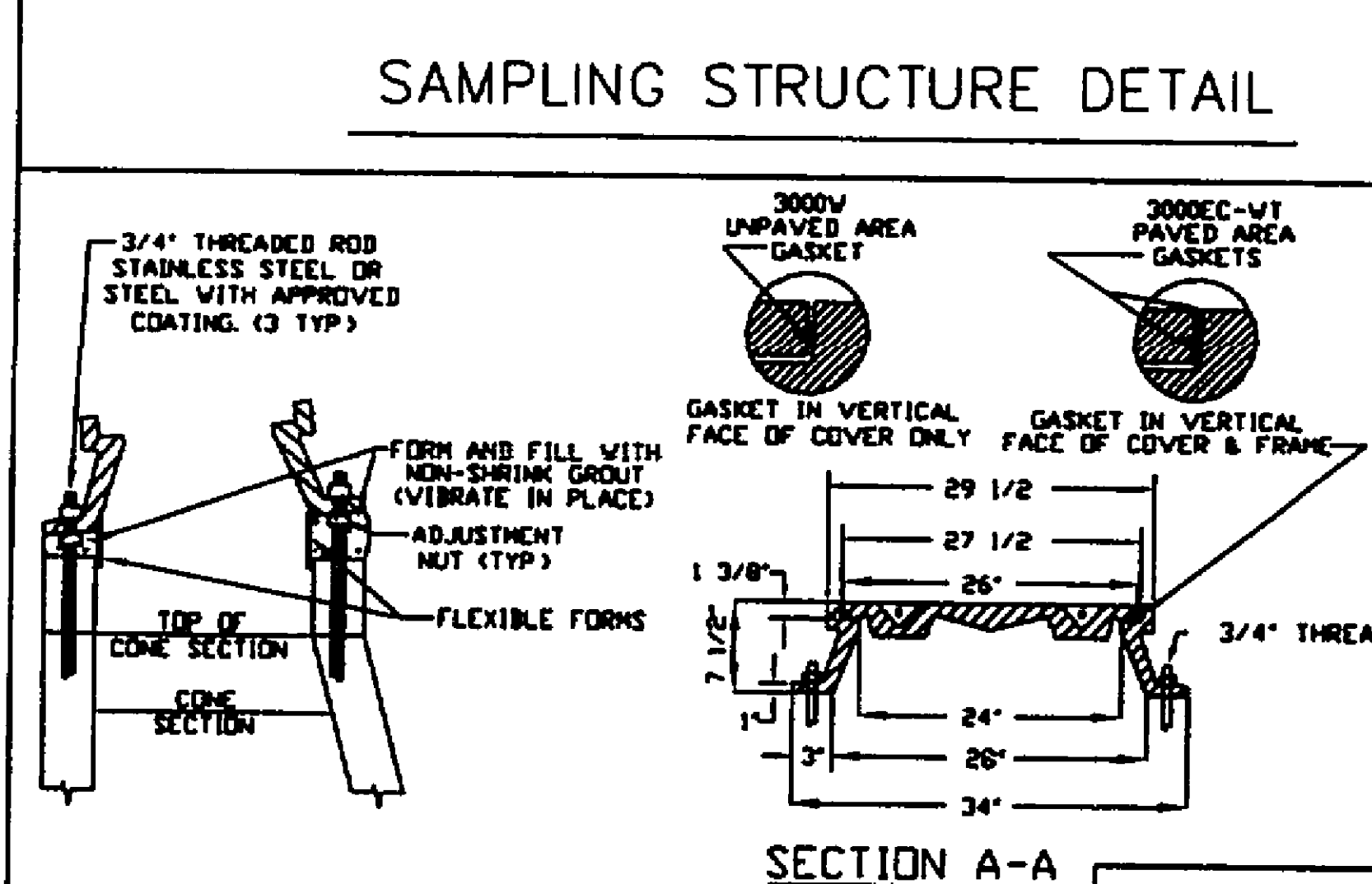
ALTERNATE PIPE SUPPORT IN CASING PIPE

DO NOT TREATED THIN SKIDS OF APPROPRIATE WIDTH DO THAT BELLS OR FLANGES
DO NOT REST OR CLASH WITH WEDS THAT 2" FREE PLAY SKIDS TO BE PLACED AT
4'-0" OC AND SECURED WITH 2" 1/4" GALV. STEEL STRAPS OR 1" S.S. BANDS. SOAP-
FLAX LUBRICANT MAY BE USED FOR SLIDING OF SKID WITH DUCTILE IRON PIPE AND
FLAX-BASED LUBRICANT MAY BE USED FOR SLIDING OF SKID WITH PVC PIPE.

NOTE: A 1" DRAIN WILL BE REQUIRED ON THE LOWER END OF THE CASING
IF THE CASING ENDS ARE SEALED WITH MORTAR AND BRICK



NOTE: NOT ACCEPTABLE FOR USE IN TRAFFIC
AREAS OR AREAS SUBJECT TO FLOODING



FOR ADDITIONAL REFERENCE, SEE DETAIL
DRAWINGS IN SEWER STANDARDS.