

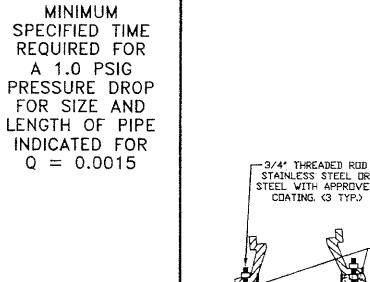
ACTIVE MAINS WILL BE PERFORMED BY ROANDKE COUNTY UTILITY DEPT. 6. PIPING BEHIND CLEANOUT TO BE INSTALLED PER BOCA CODE.

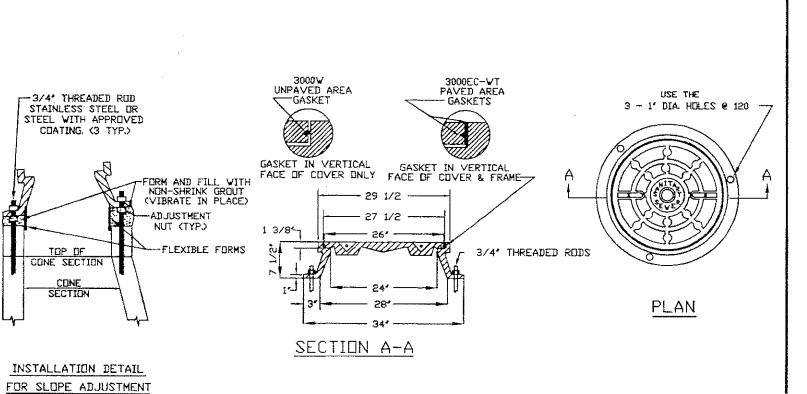
7. MINIMUM LATERAL SIZE) 4' FDR RESIDENTIAL SERVICE 6' FOR NON-RESIDENTIAL SERVICE

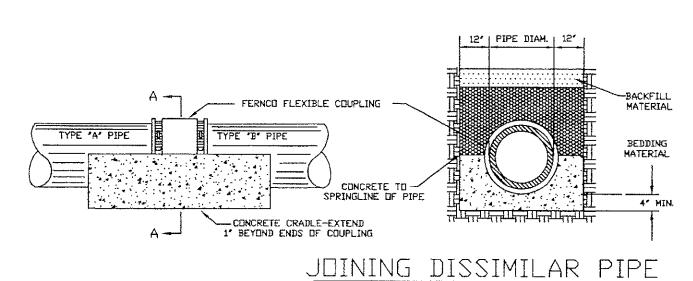
GENERAL NOTES:

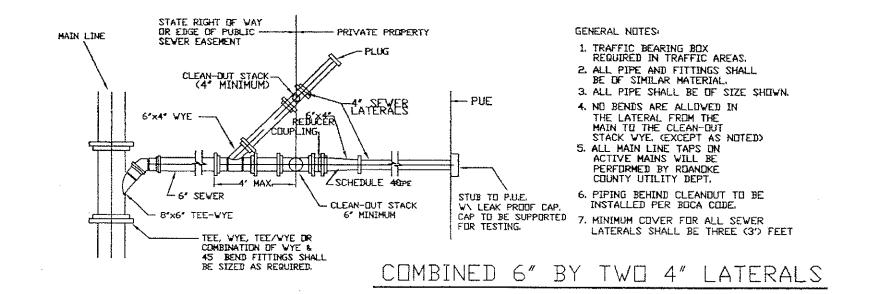
8. MINIMUM COVER FOR ALL SEVER LATERALS SHALL BE THREE (3') FEET

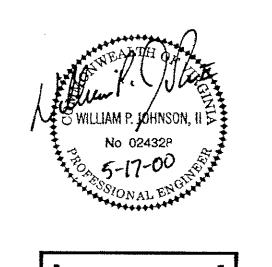
Pipe Diameter (in.)	Min. Time (min: sec)	Length for Min, Time (ft)	Time for Longer Length (sec)	Specified Time for Length (L) Shown (min:sec)							
				100 ft	150 ft	200 ft	250 ft	300 ft	350 ft	400 ft	450 ft
4	3:46	597	.380 L	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46
6	5:40	398	.854 L	5:40	5:40	5:40	5:40	5:40	5:40	5:42	6:24
8	7:34	298	1.520 L	7:34	7:34	7:34	7:34	7:36	8:52	10:08	11:24
10	9:26	239	2.374 L	9:26	9:26	9:26	9:53	11:52	13:51	15:49	17:48
12	11:20	199	3.418 L	11:20	11:20	11:24	14:15	17:05	19:56	22:47	25:38
15	14:10	159	5.342 L	14:10	14:10	17:48	22:15	26:42	31:09	35:36	40:04
18	17:00	133	7.692 L	17:00	19:13	25:38	32:03	38:27	44:52	51:16	57:41
21	19:50	114	10.470 L	19:50	26:10	34:54	43:37	52:21	61:00	69:48	78:31
24	22:40	99	13.674 L	22:47	34:11	45:34	56:58	68:22	79:46	91:10	102:33
27	25:30	88	17.306 L	28:51	43:16	57:41	72:07	86:32	100:57	115:22	129:48
30	28:20	80	21.366 L	35:37	53:25	71:13	89:02	106:50	124:38	142:26	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
36	34:00	66	30.768 L	51:17	76:55	102:34	128:12	153:50	179:29	205:07	230:46

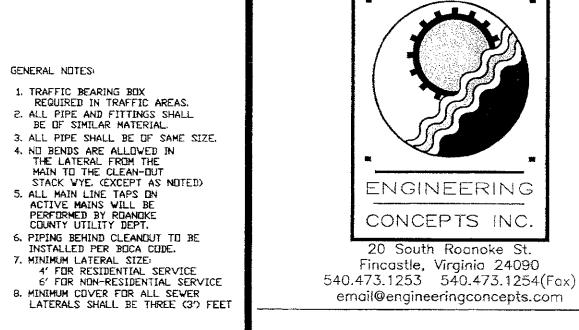


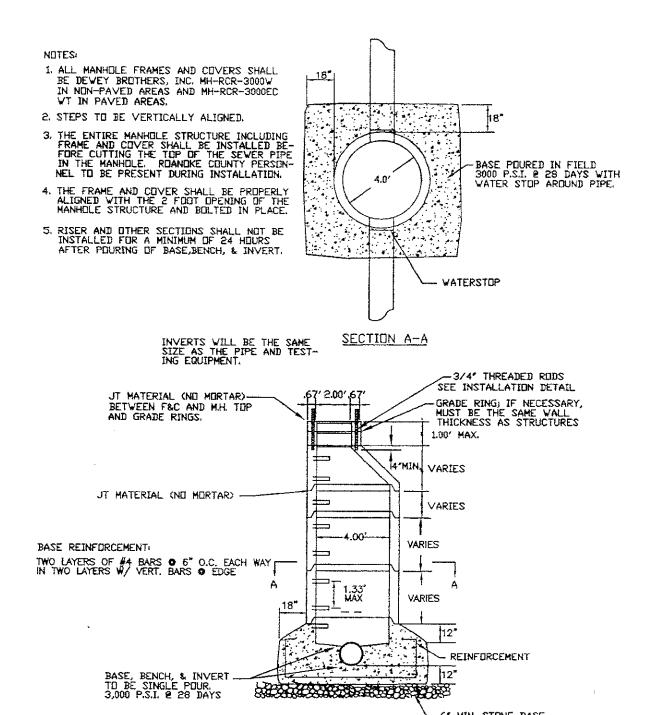


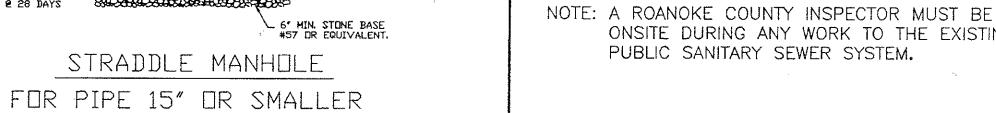


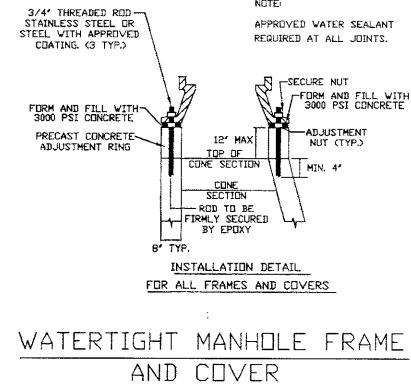






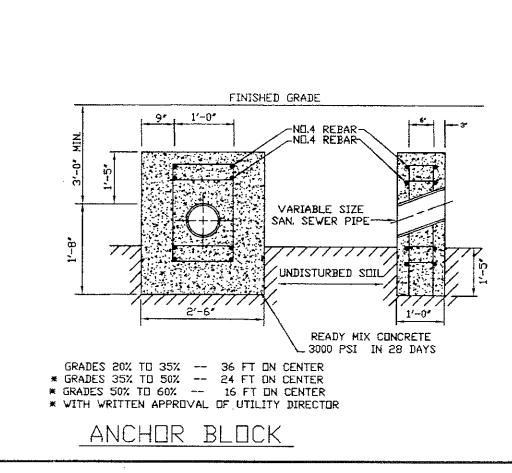


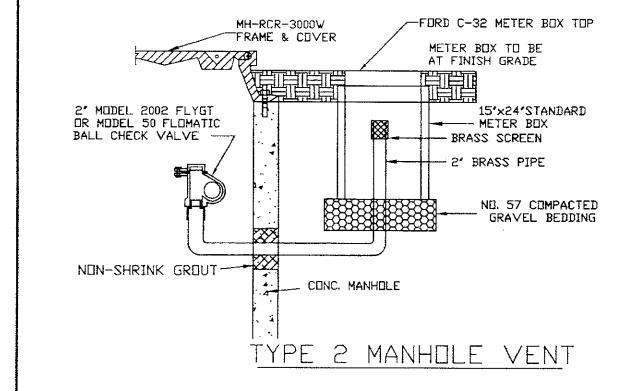




INSTALLATION DETAIL





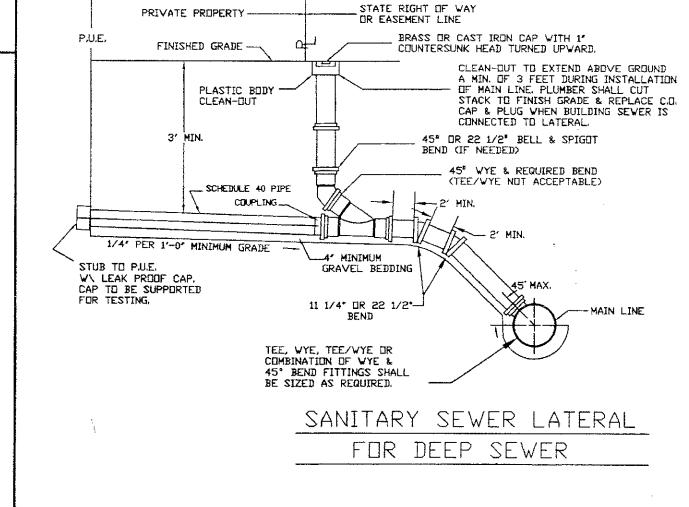


1. PIER REQUIRED WHEN STORM DRAIN OR OTHER PIPES

2. PIER TO BE BUILT ON UNDISTURBED EARTH,

3. CONCRETE TO BE READY MIX, CLASS A3.

CROSSES OVER THE OTHER UTILITY WITH A VERTICAL CLEARANCE OF LESS THAN 18'.



1. ALL MANHOLE FRAMES AND COVERS SHALL

2. STEPS TO BE VERTICALLY ALIGNED.

BE DEWEY BRITHERS, INC. MH-RCR-3000W
IN NON-PAVED AREAS REQUIRING VATERTIGHT
FRAME & CUVERS AND MH-RCR-3000EC-WT
IN PAVED AREAS, OR APPROVED EQUAL.

3. THE FRAME AND COVER SHALL BE PROPERLY ALIGNED WITH THE 2 FOOT OPENING OF THE MANHOLE STRUCTURE AND BOLTED IN PLACE.

12' MIN. VARIES # 57 STONE-

**VARIES** 

JT MATERIAL (NO -

MORTAR) BETWEEN

GRAVEL TO -SPRING LINE

EARLY SITE PACKAGE MAY 17, 2000





ROANOKE COUNTY, VIRGINIA

Architecture Engineering Planning

STAINLESS STEEL BAND

FLEXIBLE BOOT

--- ECCENTRIC RISER REQUIRES

\_\_\_\_JT MATERIAL (NO MORTAR)

THREADED END CAP VITH PLUG

#57 DR EQUIVALENT

SECTION A-A

1. 33' MAX.

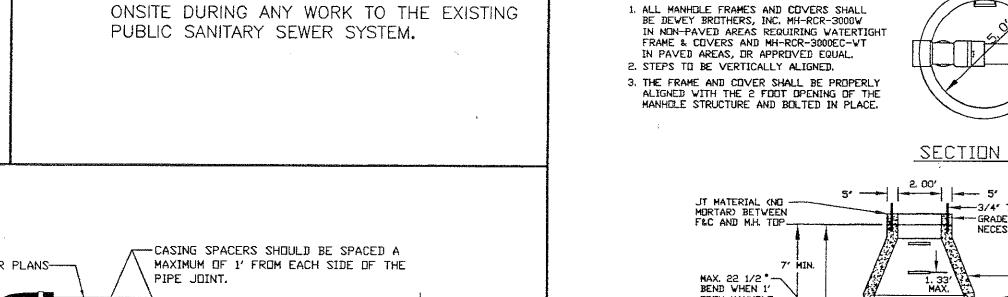
## nteriors

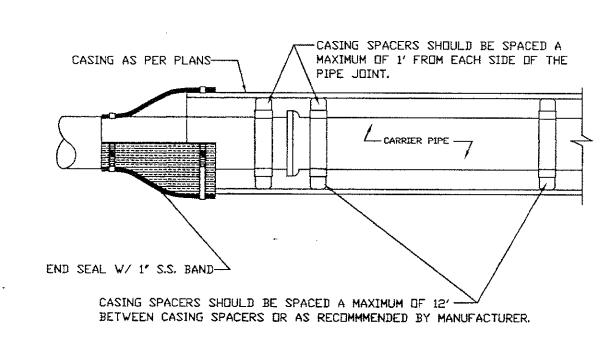
305 S. Jefferson St., Roanoke, VA 2401 Phone 540 344-6664

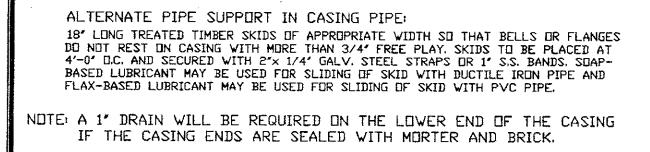
	.com	<b>3</b> ∠			
PROJECT DESIGN	NER	:	SFC5		
PROJECT ARCHIT	ECT	:	SFCS		
PROJECT ENGINE	EER	:	ECI		
DRAWN BY		:	ECI		
CHECKED BY		:	ECI		
APPROVED BY		:	ECI		
NO.	REVISION	DE	ESCRIPTION	DA	T

ROANOKE COUNTY STANDARD SEWER

	*
COMM. NO. 99001	DATE MAY 17, 2000
DRAWING	SHEET
C22	





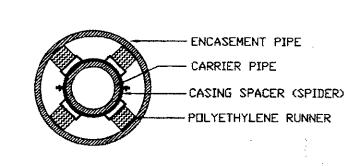


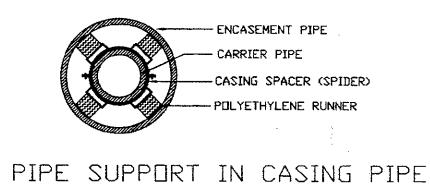
CADD VERSION

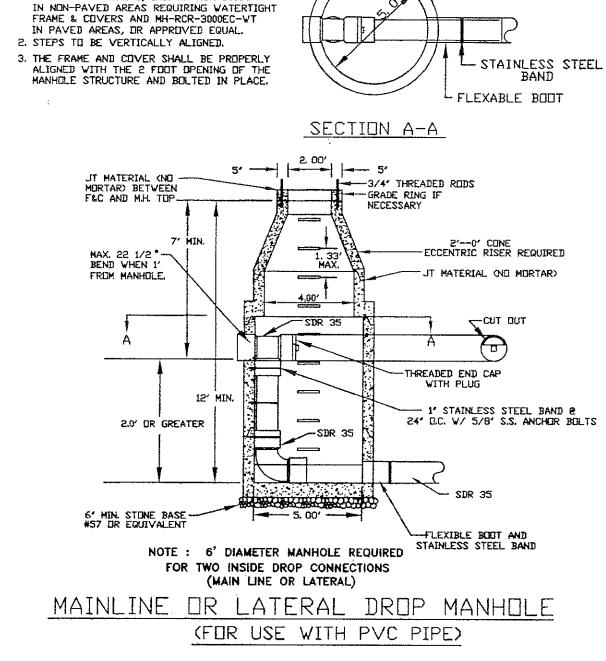
ACADR-14

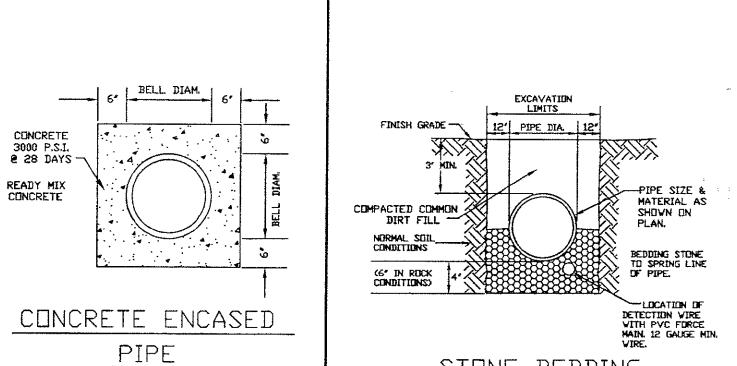
PLOT SCALE

DRAWING NO.









L = LENGTH OF PIPE SECTION

SANITARY SEVER OR WATER (DR-14)

COMPACTED GRAVEL NO 57

CONCRETE PIER

STONE BEDDING

L-(DR-14) C900 PVC PIPE SANITARY SEWER DR WATER

FOR ADDITIONAL REFERENCE, SEE DETAIL DRAWINGS IN SEWER STANDARDS.

REFERENCE DETAIL DRAWINGS IN SPECS FOR

DROP CONNECTION USING DUCTILE IRON PIPE.

DUTSIDE DROP MANHOLE

(FOR USE WITH PVC PIPE)