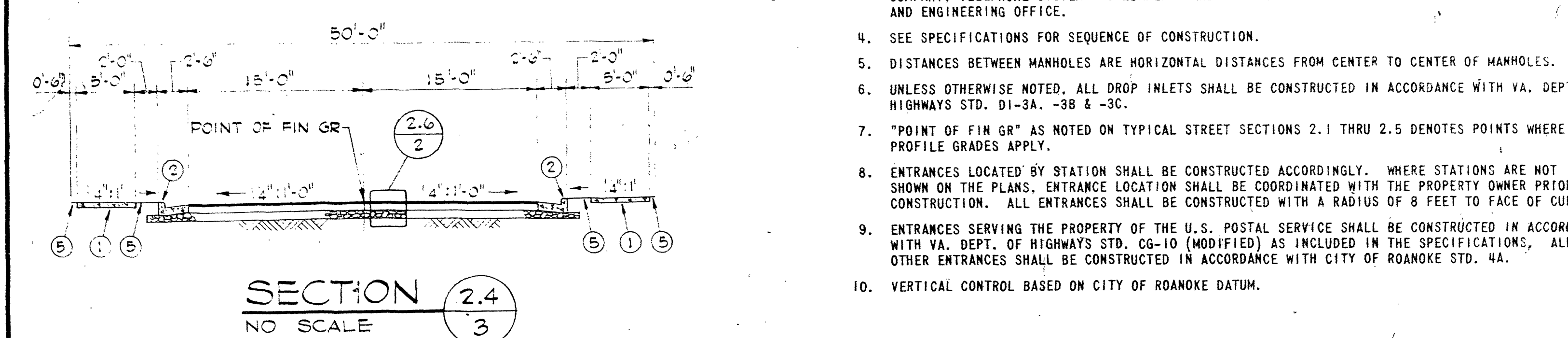
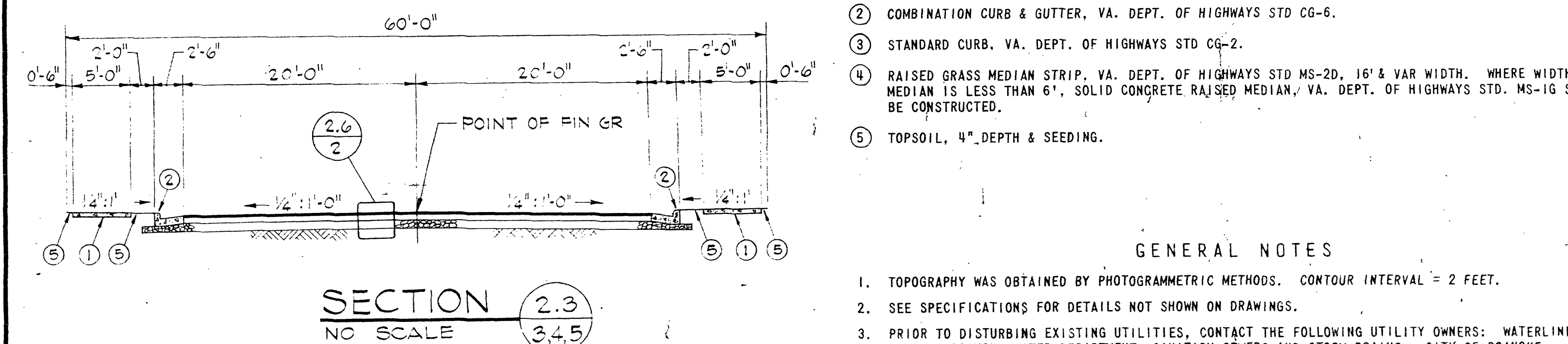
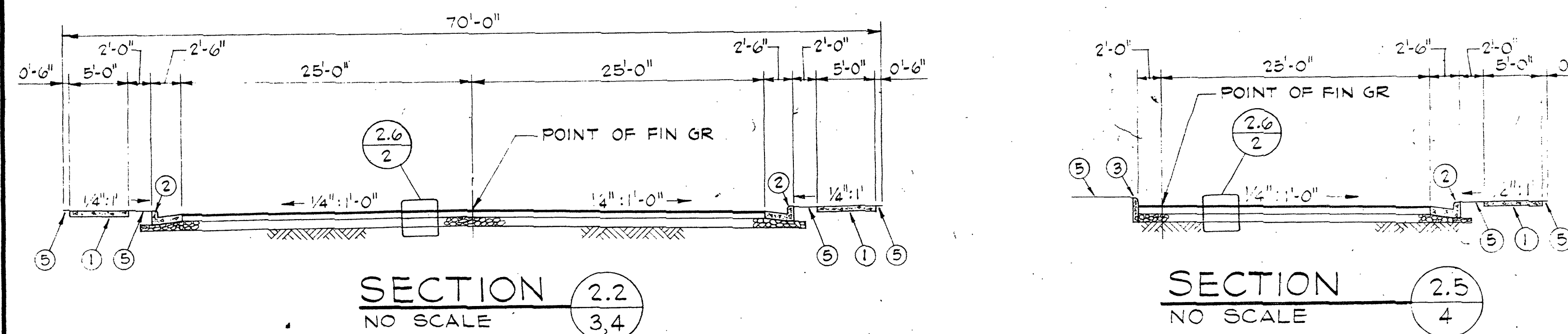
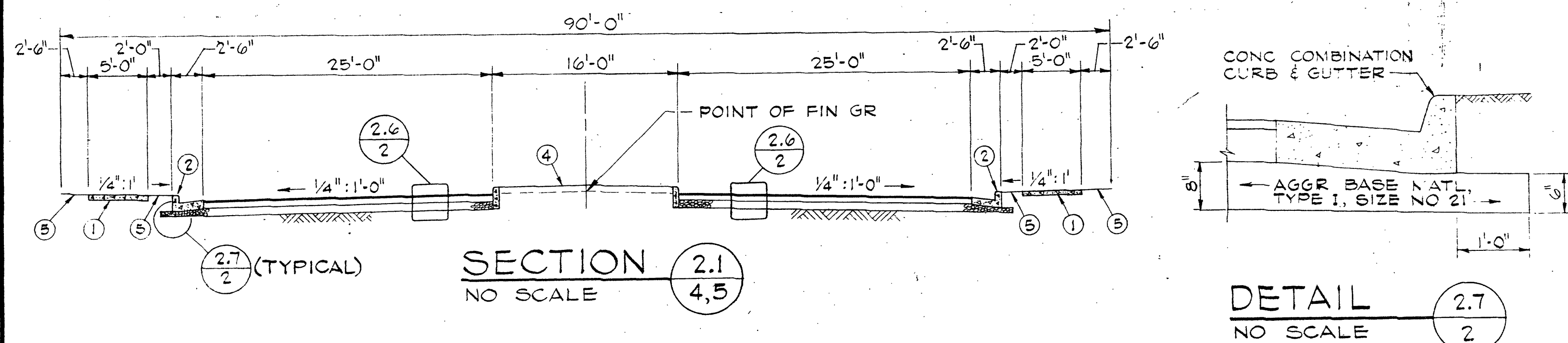


LEGEND

EXISTING	NEW	DESCRIPTION	EXISTING	NEW	DESCRIPTION
		BUILDING AND PORCH OR STOOP			FIELD SURVEY TRAVERSE POINT
		BUILDING TO BE DEMOLISHED			STORM DRAIN AND ENDWALL
		CONTOUR (INTERVAL INDICATED ON SITE PLAN)			SANITARY SEWER
		SPOT ELEVATION			GAS MAIN OR SERVICE LINE
		CONCRETE CURB			ABANDONED UTILITY LINE
		CONCRETE CURB AND GUTTER			GATE VALVE, CURB STOP, ETC. POST INDICATOR VALVE
		CONCRETE SIDEWALK			PIPE FITTINGS AND REACTION BLOCKING
		PAVEMENT			FIRE HYDRANT
		UNPAVED OR GRAVEL ROADWAY			WATER MAIN OR SERVICE LINE
		TREE LINE			CLEANOUT
		INDIVIDUAL TREE OR SHRUB			MANHOLE
		FENCE AND GATE			DROP INLET (CURB AND GRATING TYPES)
		Q OF DITCH OR SWALE			METER (GAS OR WATER)
		PROPERTY LINE (STREET RIGHT OF WAY LINE)			UTILITY POLE, GUY AND ANCHOR
		CENTER OR BASELINE			LIGHTING STANDARD
		LIMIT OF WORK LINE			TURNED DOWN CURB AND LENGTH (STD DET C-5.1)
		LIMIT OF SEEDING LINE (IF DIFFERENT FROM STREET R.O.W. LINE)			DIRECT BURIAL CABLE
					PROJECT BOUNDARY LINE



- 5'-4" CONC SIDEWALK, STD C-5.4.
 - COMBINATION CURB & GUTTER, VA. DEPT. OF HIGHWAYS STD CG-6.
 - STANDARD CURB, VA. DEPT. OF HIGHWAYS STD CG-2.
 - RAISED GRASS MEDIAN STRIP, VA. DEPT. OF HIGHWAYS STD MS-2D, 16' & VAR WIDTH. WHERE WIDTH OF MEDIAN IS LESS THAN 6', SOLID CONCRETE RAISED MEDIAN, VA. DEPT. OF HIGHWAYS STD. MS-1G SHALL BE CONSTRUCTED.
 - TOPSOIL, 4" DEPTH & SEEDING.
- GENERAL NOTES**
- TOPOGRAPHY WAS OBTAINED BY PHOTOGRAMMETRIC METHODS. CONTOUR INTERVAL = 2 FEET.
 - SEE SPECIFICATIONS FOR DETAILS NOT SHOWN ON DRAWINGS.
 - PRIOR TO DISTURBING EXISTING UTILITIES, CONTACT THE FOLLOWING UTILITY OWNERS: WATERLINES - CITY OF ROANOKE WATER DEPARTMENT; SANITARY SEWERS AND STORM DRAINS - CITY OF ROANOKE ENGINEERING DEPARTMENT; GAS LINES - ROANOKE GAS COMPANY; ELECTRIC SYSTEM - APPALACHIAN POWER COMPANY; TELEPHONE SYSTEM - CHESAPEAKE AND POTOMAC TELEPHONE COMPANY OF VIRGINIA. CONSTRUCTION AND ENGINEERING OFFICE.
 - SEE SPECIFICATIONS FOR SEQUENCE OF CONSTRUCTION.
 - DISTANCES BETWEEN MANHOLES ARE HORIZONTAL DISTANCES FROM CENTER TO CENTER OF MANHOLES.
 - UNLESS OTHERWISE NOTED, ALL DROP INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VA. DEPT. OF HIGHWAYS STD. DI-3A, -3B & -3C.
 - "POINT OF FIN GR" AS NOTED ON TYPICAL STREET SECTIONS 2.1 THRU 2.5 DENOTES POINTS WHERE PROFILE GRADES APPLY.
 - ENTRANCES LOCATED BY STATION SHALL BE CONSTRUCTED ACCORDINGLY. WHERE STATIONS ARE NOT SHOWN ON THE PLANS, ENTRANCE LOCATION SHALL BE COORDINATED WITH THE PROPERTY OWNER PRIOR TO CONSTRUCTION. ALL ENTRANCES SHALL BE CONSTRUCTED WITH A RADIUS OF 8 FEET TO FACE OF CURB.
 - ENTRANCES SERVING THE PROPERTY OF THE U.S. POSTAL SERVICE SHALL BE CONSTRUCTED IN ACCORDANCE WITH VA. DEPT. OF HIGHWAYS STD. CG-10 (MODIFIED) AS INCLUDED IN THE SPECIFICATIONS, ALL OTHER ENTRANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ROANOKE STD. 4A.
 - VERTICAL CONTROL BASED ON CITY OF ROANOKE DATUM.

STORM DRAINAGE SCHEDULE

STRUCTURES										PIPE		STRUCTURES										PIPE	
DOWNSTREAM					UPSTREAM							DOWNSTREAM					UPSTREAM						
NO.	INVERT	NO.	INVERT	TOP EL	DESCRIPTION	STATION	STREET	DIA	SLOPE	NO.	INVERT	NO.	INVERT	TOP EL	DESCRIPTION	STATION	STREET	DIA	SLOPE				
MH-14	925.40	MH-1	925.91	931.63	STD. MH	0+63.92	STREET NO. 1	30"	0.42%	DI-507	923.23	IN	---	---	6' STUBOUT (PLUG)	13+46.00	STREET NO. 5	15"	1.00%				
MH-1	927.16	DI-100	927.62	931.54	CURB INLET, L=20'	0+63.92		15"	2.00%	MH-23	922.95	DI-507	923.23	927.15	CURB INLET, L=16'	13+46.00		15"	1.08%				
MH-1	927.16	DI-101	927.62	931.54	CURB INLET L=16'	0+63.92		15"	2.00%	MH-24	916.95	MH-23	919.50	927.34	STD. MH	13+46.00		15"	1.38%				
MH-1	925.91	MH-2	927.69	933.40	STD. MH	2+17.00		24"	0.90%	MH-24	917.01	DI-508	917.71	924.34	CURB INLET, L=14'	15+30.04		15"	2.50%				
MH-2	928.94	DI-102	929.40	933.32	CURB INLET, L=20'	2+17.00		15"	2.00%	MH-25	914.05	MH-24	915.26	924.53	STD. MH	15+30.04		36"	0.35%				
DI-102	929.40	IN	---	---	6' STUBOUT (PLUG)	2+17.00		15"	1.00%	MH-25	915.79	DI-510	915.94	918.86	SAG CURB INLET, L=8'Ⓢ	18+75.00		15"	0.53%				
MH-2	928.94	DI-103	929.40	933.32	CURB INLET, L=14'	2+17.00		15"	2.00%	MH-16	913.91	MH-25	914.05	919.05	STD. MH	18+75.00	STREET NO. 5	36"	0.40%				
DI-103	929.40	IN	---	---	6' STUBOUT (PLUG)	2+17.00		15"	1.00%	---	---	---	---	---	---	---							
MH-2	928.19	MH-3	929.44	934.65	STD. MH	3+25.00		24"	1.16%	DI-600	930.71	IN	---	---	6' STUBOUT (PLUG)	1+52.25	STREET NO. 6	18"	0.80%				
MH-3	930.19	DI-104	930.65	934.57	CURB INLET, L=18'	3+25.00		15"	2.00%	MH-10	930.49	DI-600	930.71	937.84	CURB INLET, L=4'	1+52.25		18"	0.80%				
MH-3	930.19	DI-105	930.65	934.57	CURB INLET, L=12'	3+25.00		15"	2.00%	MH-10	933.36	DI-601	933.92	937.84	CURB INLET, L=10'	1+52.25		15"	2.00%				
MH-3	929.44	MH-4	930.72	935.93	STD. MH	4+35.00		15"	1.16%	MH-11	927.68	MH-10	929.99	938.03	STD. MH	1+52.25		24"	1.10%				
MH-4	931.47	DI-106	931.93	935.85	CURB INLET, L=18'	4+35.00		15"	2.00%	DI-602	931.80	IN	---	---	6' STUBOUT (PLUG)	3+62.58		15"	1.00%				
DI-106	931.93	IN	---	---	6' STUBOUT (PLUG)	4+35.00		15"	1.00%	MH-11	931.60	DI-602	931.80	936.49	CURB INLET, L=6'	3+62.58		15"	0.70%				
MH-4	931.47	DI-107	931.93	935.85	CURB INLET, L=12'	4+35.00		15"	2.00%	DI-601	933.92	IN	---	---	6' STUBOUT (PLUG)	3+12.00		15"	1.00%				
DI-109	933.22	IN	---	---	6' STUBOUT (PLUG)	4+35.00		15"	1.00%	---	---	---	---	---	---	---							
MH-4	931.22	MH-5	932.64	937.23	STD. MH	5+47.00		18"	1.27%	MH-11	931.60	DI-603	932.90	936.82	CURB INLET, L=12'	3+12.00		15"	2.32%				
MH-5	932.89	DI-108	933.22	937.14	CURB INLET, L=18'	5+47.00		15"	1.40%	MH-11	927.68	936.68	---	---	STD. MH	5+11.08		24"	1.10%				
MH-5	932.89	DI-109	933.22	937.14	CURB INLET, L=14'	5+47.00		15"	1.40%	DI-604	929.91	---	---	---	6' STUBOUT (PLUG)	5+11.08		15"	0.50%				
MH-6	933.69	MH-5	932.89	937.23	STD. MH	5+47.00		18"	0.45%	MH-12	929.63	DI-604	929.91	935.53	CURB INLET, L=8'	5+11.08		15"	1.00%				
MH-6	933.69	DI-111	934.15	938.27	CURB INLET, L=8'	7+62.23		15"	2.00%	DI-605	932.00	IN	---	---	6' STUBOUT (PLUG)	4+52.00		15"	1.00%				
DI-111	934.15	IN	---	---	6' STUBOUT (PLUG)	7+62.23		15"	1.00%	MH-12	930.88	DI-605	932.00	935.92	CURB INLET, L=16'	4+52.00		15"	2.00%				
MH-7	913.57	MH-7A	913.79	940.50	STD. MH	7+05.00		24"	0.11%	MH-13	923.31	MH-12	926.04	935.72	STD. MH	5+11.08		24"	2.20%				
MH-7	932.86	DI-113	933.48	937.40	CURB INLET, L=12'	8+82.08		15"	2.00%	DI-607	929.18	IN	---	---	6' STUBOUT (PLUG)	6+35.08		15"	1.00%				
DI-113	933.48	IN	---	---	6' STUBOUT (PLUG)	8+82.08		15"	1.00%	MH-13	928.62	DI-607	929.18	933.10	CURB INLET, L=14'	6+35.08		15"	2.00%				
MH-8	912.61	MH-7	913.07	937.29	STD. MH	9+00.00		30"	0.37%	MH-14	922.01	MH-13	923.31	933.28	STD. MH	6+35.08		24"	2.20%				
MH-8	931.99	DI-110	932.45	936.37	CURB INLET, L=10'	10+40.00		15"	2.00%	DI-606	927.42	IN	---	---	6' STUBOUT (PLUG)	6+94.00		15"	1.00%				
DI-110	932.45	IN	---	---	6' STUBOUT (PLUG)	10+40.00		15"	1.00%	MH-14	926.65	DI-606	927.42	931.58	CURB INLET, L=10'	6+94.00		15"	2.75%				
MH-8	934.99	DI-115	932.45	936.37	CURB INLET, L=12'	10+40.00		15"	2.00%	MH-15	916.89	MH-14	921.01	931.76	STD. MH	6+94.00		36"	1.58%				
DI-115	932.45	IN	---	---	6' STUBOUT (PLUG)	10+40.00		15"	1.00%	DI-608	920.94	IN	---	---	6' STUBOUT (PLUG)	9+54.58		15"	1.00%				
MH-9	911.97	MH-8	912.61	936.45	STD. MH	10+40.00		30"	0.37%	MH-15	920.38	DI-608	920.94	924.86	CURB INLET, L=14'	9+54.58		15"	2.00%				
MH-9	929.42	DI-112	929.65	933.57	CURB INLET, L=14'	12+10.00		15"	1.00%	MH-15	920.38	DI-609	920.94	924.86	CURB INLET, L=12'	9+54.58		15"	2.00%				
MH-9	929.42	DI-117	929.65	933.57	CURB INLET, L=18'	12+10.00		15"	1.00%	MH-16	913.91	MH-15	916.89	925.04	STD. MH	9+54.58		36"	0.94%				
MH-9A	911.41	MH-9	911.97	933.65	STD. MH	13+10.00		30"	0.37%	MH-16	915.66	DI-610	916.40	920.32	CURB INLET, L=8'	12+07.00		15"	1.00%				
MH-9A	921.74	DI-114	921.97	925.89	CURB INLET, L=18'	13+60.00		15"	1.00%	DI-611	915.89	IN	---	---	6' STUBOUT (PLUG)	12+71.47		15"	1.00%				
DI-114	921.97	IN	---	---	6' STUBOUT (PLUG)	13+60.00		15"	1.00%	MH-16	915.66	DI-611	915.89	919.81	SAG CURB INLET, L=14'	12+71.47		15"	0.75%				
MH-9A	921.74	DI-119	921.97	925.89	CURB INLET, L=18'	13+60.00		15"	1.00%	MH-26	912.57	MH-16	915.89	920.00	SPECIAL DESIGN MH	12+71.47	2-24"	0.42%					
DI-119	921.97	IN	---	---	6' STUBOUT (PLUG)	13+60.00		15"	1.00%	MH-26	914.82	DI-613	915.54	922.24	CURB INLET, L=14'	14+70.00		12"	2.00%				
MH-9B	910.68	MH-9A	911.41	925.98	STD. MH	13+60.00		30"	0.37%	MH-27	911.23	MH-26	912.57	923.08	SPECIAL DESIGN MH	14+70.00	2-24"	0.42%					
MH-9B	911.41	DI-116	911.49	914.61	CURB INLET, L=18'	15+56.00		15"	0.35%	DI-615	914.20	IN	---	---	6' STUBOUT (PLUG)	17+90.00		15"	1.00%				
MH-9B	911.41	DI-121	911.49	914.61	CURB INLET, L=14'	15+56.00		15"	0.35%	MH-27	913.48	DI-615	914.20	922.67	CURB INLET, L=14'	17+90.00		15"	2.00%				
MH-30	910.33	MH-9B	910.68	914.69	SPECIAL DESIGN MH	15+56.00	STREET NO. 1	2-24"	0.38%	MH-28	910.56	MH-27	911.23	923.52	SPECIAL DESIGN MH	17+90.00	2-24"	0.42%					
MH-41	932.05	DI-300	933.05	937.11	CURB INLET, L=6'	0+74.05	STREET NO. 3	15"	1.85%	MH-28	912.84	DI-612	913.56	918.66	CURB INLET, L=10'	19+50.00		15"	2.00%				
MH-41	932.05	DI-301	932.57	936.76	CURB INLET, L=4'	0+30.42		15"	4.00%	MH-28	912.84	DI-617	913.56	918.66	CURB INLET, L=16'	19+50.00		15"	2.00%				
MH-41	930.15	MH-42	936.16	941.20	STD. MH	3+37.92		15"	1.95%	MH-29	909.97	MH-28	910.56	919.52	SPECIAL DESIGN MH	19+50.00	2-24"	0.42%					
MH-42	936.56	DI-302	937.05	945.31	CURB INLET, L=6'	4+01.14		15"	1.10%	MH-29A	909.35	MH-29	909.61	915.42	SPECIAL DESIGN MH	20+78.00	STREET NO. 6	2-24"	0.24%				
MH-42	936.56	DI-303	937.07	940.99	CURB INLET, L=10'	3+37.92		15"	4.00%	MH-29B	909.08	MH-29A	909.35	914.85	SPECIAL DESIGN MH	1+10.37	TRAV. LINE "A"	2-24"	0.23%				
MH-43	933.27	DI-304	934.23	943.17	CURB INLET, L=6'	7+37.00		15"	2.40%	OUT	909.00	MH-29B	909.08	914.58	SPECIAL DESIGN MH	2+27.62	TRAV. LINE "A"	2-24"	0.23%				
DI-304	934.23	IN	---	---	6' STUBOUT (PLUG)	7+37.00		15"	0.30%	---	---	MH-30A	910.16	914.20	SPECIAL DESIGN MH	21+72.00	STREET NO. 6	4-24"	0.58%				
MH-43	937.89	DI-305	938.03	943.17	CURB INLET, L=8'	7+37.00		15"	2.40%	MH-30A	910.16	MH-30	910.33	914.49	SPECIAL DESIGN MH	21+82.00	2-24"	0.45%					
MH-44	928.46	MH-43	930.37	942.89	STD. MH	7+37.00		15"	1.80%	MH-30	911.08	DI-619	911.39	914.31	CURB INLET, L=12'	21+53.95		15"	0.66%				
MH-44	931.70	DI-306	932.24	936.16	CURB INLET, L=6'	8+89.54		15"	0.90%	MH-30A	910.16	MH-31	910.55	914.46	SPECIAL DESIGN MH	22+95.65	2-15"	0.31%					
DI-306	932.38	IN	---	---	6' STUBOUT (PLUG)	8+89.54		15"	1.00%	MH-31	910.55	DI-614	910.68	913.60	SAG CURB INLET, L=6'	22+95.65		15"	0.35%				
OUT	---	MH-44	928.46	938.02	EXST MH(ADJUST)	8+43.00		15"	EXST	MH-31	910.55	DI-621	910.68	913.60	SAG CURB INLET, L=6'	22+95.65		15"	0.35%				
MH-44	928.46	MH-45	929.00	933.96	EXST MH(ADJUST)	9+32.08		15"	EXST	MH-31	910.55	MH-32	911.02	915.23	STD. MH	24+05.00		15"	0.43%				
MH-45	929.05	DI-307	929.20	934.24	SAG CURB INLET, L=4'	9+32.08		15"	2.50%	MH-32	911.02	DI-616	911.34	914.38	CURB INLET, L=8'	24+05.00		15"	0.85%				
MH-45	929.05	DI-308	930.13	935.00	SAG CURB INLET, L=4'	9+41.31		15"	2.40%	DI-623	911.34	IN	---	---	6' STUBOUT (PLUG)	24+05.00		15"	1.00%				
MH-45	929.00	DI-309	929.32	934.52	SAG CURB INLET, L=4'	9+41.31	STREET NO. 3	15"	EXST	MH-32	911.02	DI-623	911.34	914.38	CURB INLET, L=16'	24+05.00	STREET NO. 6	15"	0.85%				
MH-21	927.01	DI-400	928.28	933.91	CURB INLET, L=12'	0+63.92	STREET NO. 4	15"	2.00%	MH-24	916.95	DI-509	917.71	922.79	SAG CURB INLET, L=16'	0+78.82	STREET NO. 7	18"	0.50%				
DI-400	929.53	DI-401	929.39	933.91	CURB INLET, L=6'	0+63.92	STREET NO. 4	15"	1.00%	MH-35	929.84	MH-41	930.15	936.64	STD. MH	0+62.00	SHEENANDAH AVE.	15"	0.44%				
DI-400	928.29	DI-402	931.23	935.16	CURB INLET, L=10'	2+15.00	STREET NO. 4	15"	1.95%	MH-36	928.01	MH-35	929.84	935.95	STD. MH	2+47.00		15"	0.99%				
END	936.00	DI-310	936.39	941.64	26' STUBOUT, L=6'	---	GILMER AVE.	15"	1.50%	---	---	---	---	---	---	---							
MH-20	936.35	DI-500	936.63	940.55	CURB INLET, L=4'	4+31.83	STREET NO. 5	15"	1.00%	MH-36	928.26	DI-801	928.69	932.69	CURB INLET, L=14'	2+47.00		15"	2.40%				
MH-20	934.23	DI-501	934.51	940.55	CURB INLET, L=4'	4+31.83		15"	1.00%	MH-37	924.93	MH-36	928.01	932.66	STD. MH	2+47.00		15"	1.95%				
DI-501	934.51	IN	---	---	6' STUBOUT (PLUG)	4																	