

NOTE: IF SITES ARE DEVELOPED IN CONJUNCTION WITH THE ROADWAY CONSTRUCTION, SOME DRAINAGE ITEMS WILL NOT BE REQUIRED. THE DELETION OF THOSE ITEMS MUST BE APPROVED BY THE ENGINEER.

FOR ALL UTILITY LINES LAID ON FILL, MATERIAL TO BE COMPACTED TO MINIMUM OF 95 %

12" WATERLINE TO BE 4' FROM BACK OF CURB.

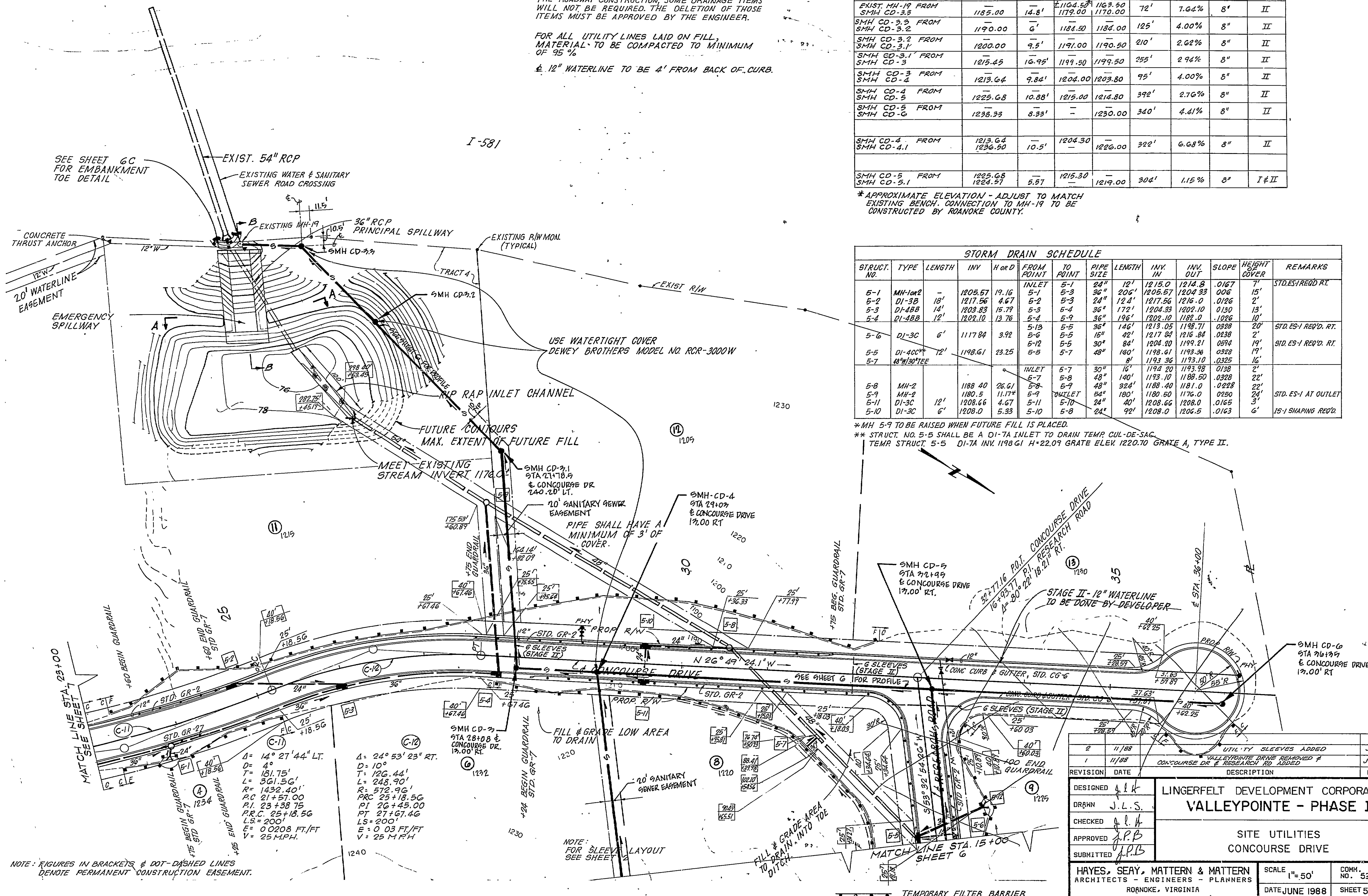
SANITARY SEWER SCHEDULE									
MH/LINE DESIGNATION	TOP ELEV.	MH DEPTH	INV. IN	INV. OUT	LENGTH (FT)	SLOPE (%)	PIPE SIZE	CONST. STAGE	
EXIST. MH-19 FROM SMH CD-3.3	1185.00	14.8'	1164.50	1163.50	72'	7.64%	8"	II	
SMH CD-3.3 FROM SMH CD-3.2	1190.00	6'	1184.50	1184.00	125'	4.00%	8"	II	
SMH CD-3.2 FROM SMH CD-3.1	1200.00	9.5'	1190.00	1190.50	210'	2.62%	8"	II	
SMH CD-3.1 FROM SMH CD-3	1215.45	16.95'	1199.50	1199.50	255'	2.94%	8"	II	
SMH CD-3 FROM SMH CD-4	1213.64	9.84'	1204.00	1203.80	95'	4.00%	8"	II	
SMH CD-4 FROM SMH CD-5	1225.68	10.88'	1215.00	1214.80	392'	2.76%	8"	II	
SMH CD-5 FROM SMH CD-6	1238.33	8.33'	1230.00	1230.00	340'	4.41%	8"	II	
SMH CD-4 FROM SMH CD-4.1	1213.64	10.5'	1204.30	1204.00	322'	6.68%	8"	II	
SMH CD-5 FROM SMH CD-5.1	1225.68	5.87'	1219.30	1219.00	304'	1.15%	8"	I & II	

* APPROXIMATE ELEVATION - ADJUST TO MATCH EXISTING BENCH CONNECTION TO MH-19 TO BE CONSTRUCTED BY ROANOKE COUNTY.

STORM DRAIN SCHEDULE															
STRUCT. NO.	TYPE	LENGTH	INV.	H or D	FROM POINT	TO POINT	PIPE SIZE	LENGTH	INV. IN	INV. OUT	SLOPE	HEIGHT COVER	REMARKS		
5-1	MH-10x2	-	1205.57	19.16	INLET	5-1	24"	12'	1215.0	1214.8	.0167	7'	STD. ES-1 REQ'D. RT.		
5-2	DI-3B	18'	1217.56	4.67	5-1	5-2	36"	206'	1205.57	1204.33	.006	15'			
5-3	DI-4B	14'	1203.83	15.79	5-2	5-3	24"	124'	1217.56	1216.0	.0126	2'			
5-4	DI-4B	12'	1202.10	13.76	5-3	5-4	36"	172'	1204.33	1202.10	.0130	13'			
5-5	DI-3C	6'	1117.84	3.92	5-4	5-5	36"	146'	1213.05	1198.71	.0328	20'	STD. ES-1 REQ'D. RT.		
5-6	DI-4C	12'	1198.61	23.25	5-5	5-6	30"	84'	1217.84	1216.84	.0094	19'	STD. ES-1 REQ'D. RT.		
5-7	DI-4C	12'	1198.61	23.25	5-6	5-7	48"	180'	1198.61	1193.36	.0328	16'			
5-8	MH-2	-	1188.40	26.61	INLET	5-7	30"	16'	1194.20	1193.98	.0138	2'			
5-9	MH-2	-	1180.5	11.77	5-7	5-8	48"	140'	1193.10	1188.50	.0328	22'			
5-11	DI-3C	12'	1208.66	4.67	5-8	5-9	48"	324'	1188.40	1181.0	.0228	22'	STD. ES-1 AT OUTLET		
5-10	DI-3C	6'	1208.0	5.33	5-9	5-10	24"	40'	1180.60	1176.0	.0250	24'			
					5-10	5-8	24"	92'	1208.0	1206.5	.0163	6'	IS-1 SHAPING REQ'D.		

* MH 5-9 TO BE RAISED WHEN FUTURE FILL IS PLACED.

** STRUCT. NO. 5-5 SHALL BE A DI-7A INLET TO DRAW TEMP. CUL-DE-SAC. TEMP. STRUCT. 5-5 DI-7A INV. 1198.61 H=22.09 GRATE ELEV. 1220.70 GRATE A, TYPE II.



DESIGNED	J.L.S.	LINGERFELT DEVELOPMENT CORPORATION VALLEYPONTE - PHASE I	
DRAWN	J.L.S.		
CHECKED	J.P.B.	SITE UTILITIES CONCOURSE DRIVE	
APPROVED	J.P.B.		
SUBMITTED	J.P.B.		
HAYES, SEAY, MATTERN & MATTERN ARCHITECTS - ENGINEERS - PLANNERS ROANOKE, VIRGINIA		SCALE 1"=50'	CONV. NO. 5268 B
		DATE: JUNE 1988	SHEET 50 (5)