

NOTE: IF SITES 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.

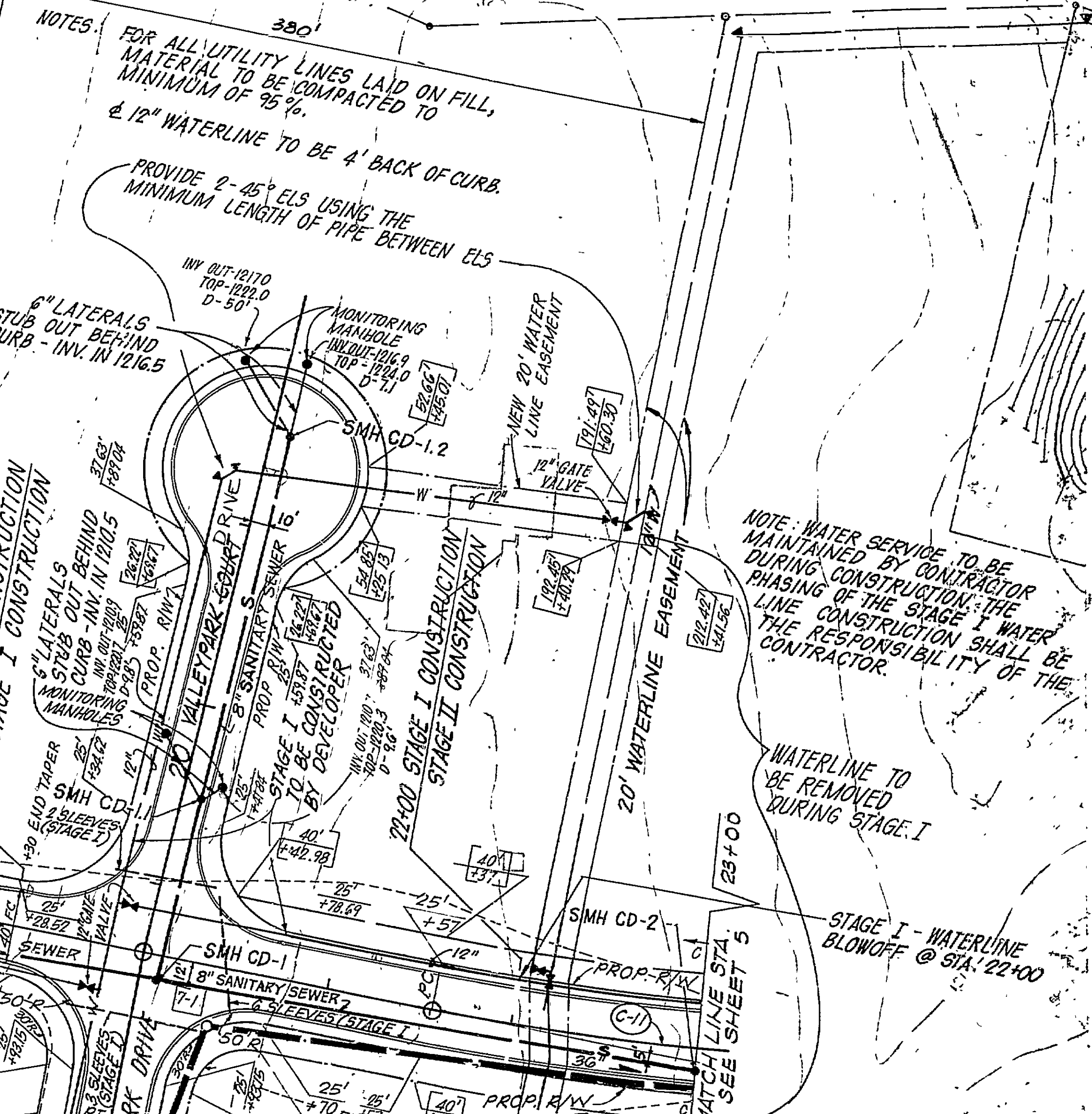
MH/LINE DESIGNATION	TOP ELEV.	MLDEPTH	INV. ELEV.	LENGTH (FT.)	SLOPE (%)	CONSTR. STAGE
SMH PC-3	1192.12	13.65	IN 1178.93 OUT 1178.47			**
SMH PC-3 TO SMH PC-2				309.4	4.10	**
SMH PC-2	1177.61	8.28	IN 1165.8, OUT 1164.3			**
SMH PC-2 TO SMH PC-1				306	4.52	**
SMH PC-1	1158.22	6.53	IN 1150.50 1150.00			**
SMH CD-2 (STA 23+00)	1226.00	6.0	OUT 1220			I
SMH CD-2 TO SMH CD-1			IN 1209.50	291	3.61	I
SMH CD-1 (STA 20+00)	1221.00	12.0	OUT 1209.00			I
SMH CD-1 TO SMH PC3			IN ± 1179.50	337	8.75	I
SMH CD-1.2 (STA 21+51.15)	1224.00	8.0	OUT 1216.00			I
SMH CD-1.2 TO SMH CD-1.1			IN 1210.10	200	2.25	I
SMH CD-1.1 (STA 19+51.15)	1222.00	12.0	OUT 1210.00			I
SMH CD-1.1 TO SMH CD-1			IN 1209.50	100	0.50	I

*CTR MH TO CTR MH
** AS BUILT
① APPROXIMATE ELEVATION-ADJUST TO MATCH EXISTING BENCH CONNECTION TO MH-PC3 TO BE CONSTRUCTED BY ROANOKE COUNTY

EXTENSION OF SANITARY SEWER CONCOURSE DRIVE

STRUCT. NO.	TYPE	LENGTH	INV.	FROM POINT	TO POINT	PIPE SIZE	LENGTH	INV. IN	INV. OUT	SLOPE	REMARKS
7-1	MH-10R2			1207.65	14.43	36"	34'	1207.65	1208.67	0.08	
7-3	D1-3.8	10'	1156.18	3.92	7-3	15"	14'	1156.18	1159.44	0.018	
7-2	D1-3.8	8'	1155.24	3.92	7-3	15"	12'	1156.24	1154.60	0.533	

7-4 94'-24" CONC. PIPE REQ'D. (4' COVER)
INV. IN 1157.0, INV. OUT 1153.60
SKEW = 37°
STD. ES-1 REQ'D. RT. & LT.



DESIGNED	J.L.S.	DATE	11/88	DESCRIPTION	UTILITY SLEEVES ADDED	BY	JCS	APP	USH
DRAWN	J.L.S.	DATE	11/88	DESCRIPTION	VALLEYPOINTE OR REMOVED, VALLEYPARK DR & RESEARCH RD ADDED	BY	JCS	APP	USH
CHECKED	J.L.S.	DATE		DESCRIPTION		BY		APP	
APPROVED	J.P.B.	DATE		DESCRIPTION		BY		APP	
SUBMITTED	J.P.B.	DATE		DESCRIPTION		BY		APP	
HAYES SEAY MATTERN & MATTERN ARCHITECTS ENGINEERS PLANNERS					LINGERFELT DEVELOPMENT CORPORATION VALLEYPOINTE - PHASE I				
ROANOKE, VIRGINIA					SITE UTILITIES CONCOURSE DRIVE				
SCALE: 1" = 50'					DATE: JUNE 1988				
SHEET 50 (7)					SHEET 50 (7)				

NOTE: FIGURES IN BRACKETS AND DOT-DASHED LINES DENOTE PERMANENT CONSTRUCTION EASEMENT

① 13° 52' 03" LT.
D = 9'
T = 105.78'
L = 209.64'
R = 630.62'
P.C. 15+57.51
P.T. 16+63.29
P.T. 17+07.15
L.S. = 200'
E = 0.0284 FT./FT.
V = 25 MPH

② 14° 21' 44" LT. TO BE DONE BY OTHERS
D = 4'
T = 181.75'
L = 361.56'
R = 1432.40'
P.C. 21+57.00
P.T. 23+38.75
P.C. 25+18.56
L.S. = 200'
E = 0.0208 FT./FT.
V = 25 MPH

NOTE: FOR SLEEVE LAYOUT SEE SH. 2

