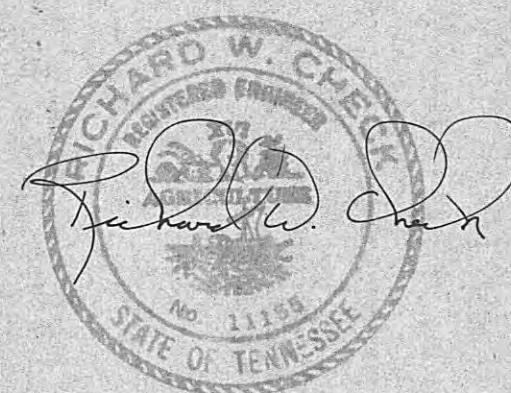
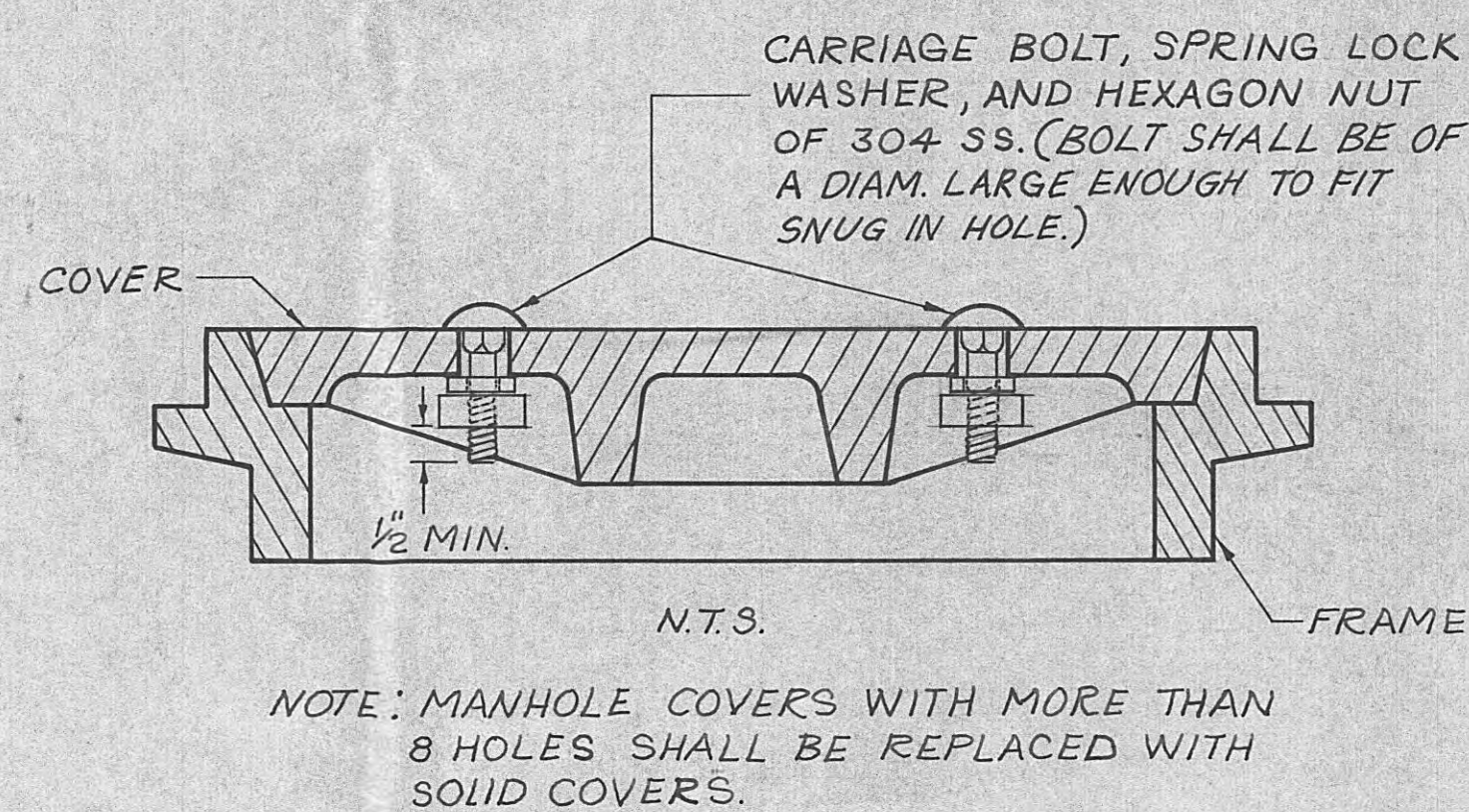


[illegible]Revisions Drawn by M.S. HALES Date 10-85

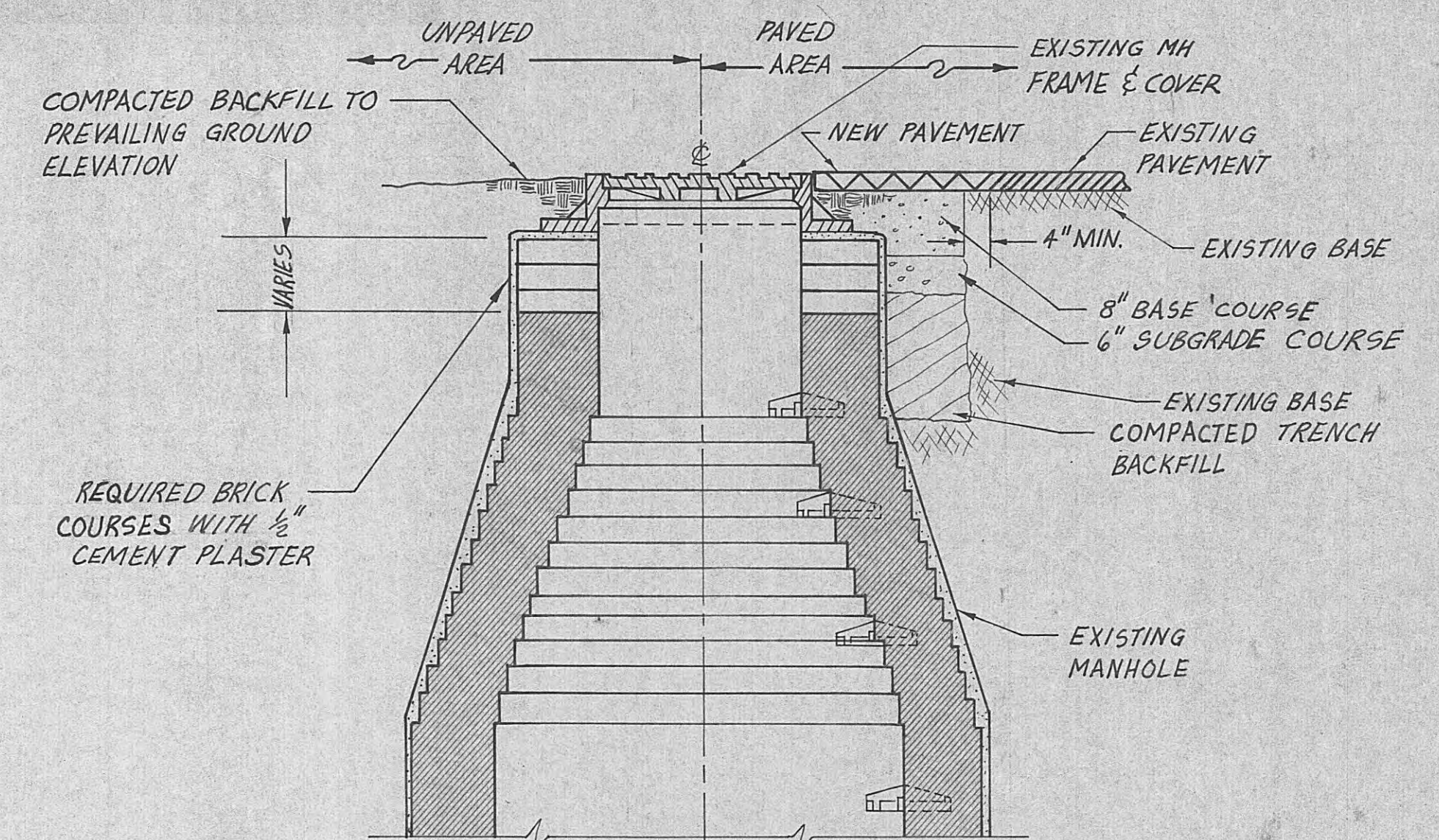
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.

SMOKE TESTED ENTIRE MEADOWVIEW SYSTEM 4TH QTR '94



[illegible]

MANHOLE COVER
SEALING DETAIL

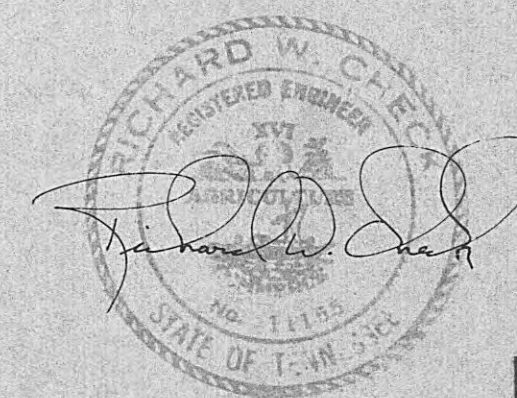


RAISING MANHOLE FRAME AND COVER DETAIL

RECORD DRAWINGS

Revisions Drawn by M.S. HALES Date 10-83

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.



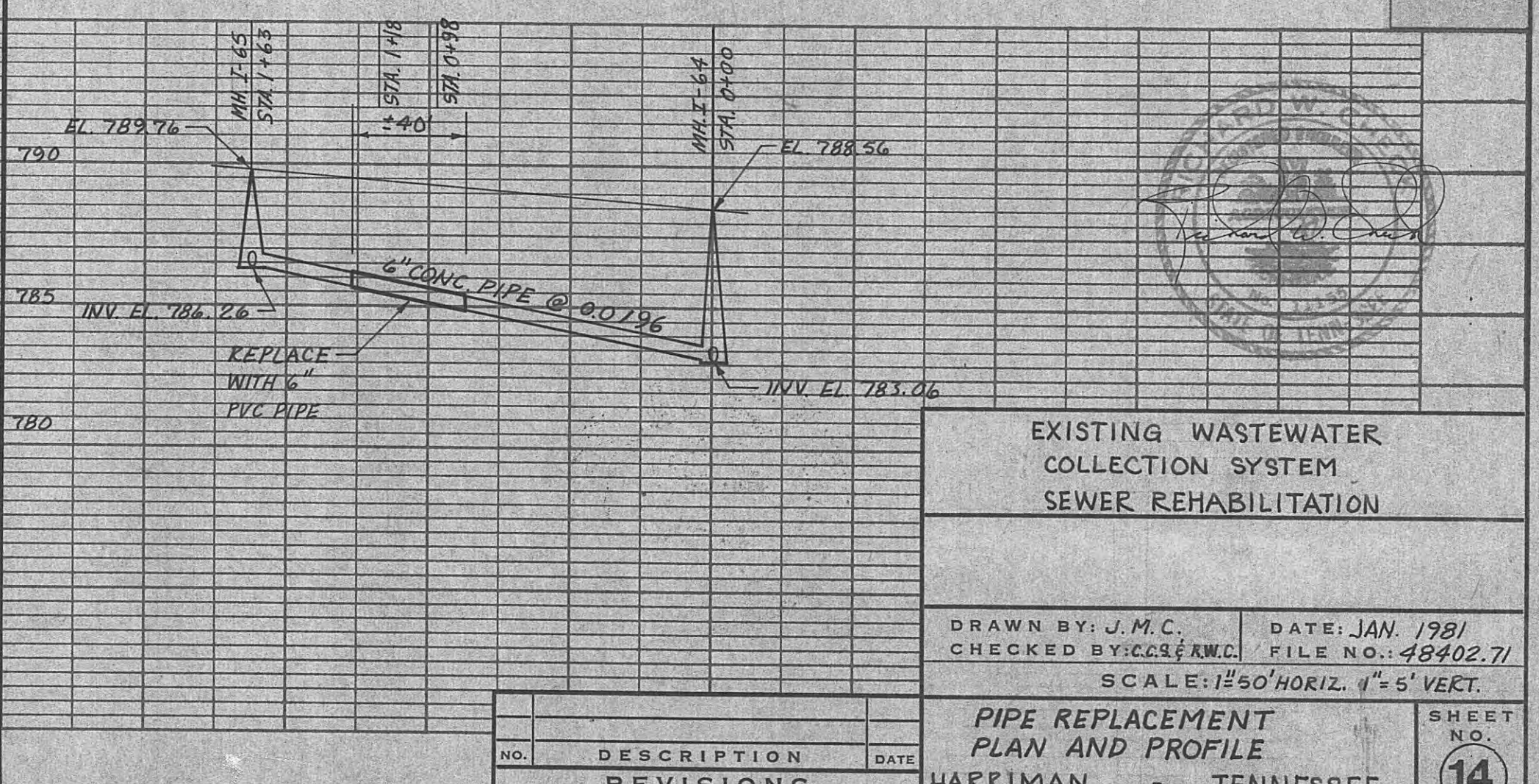
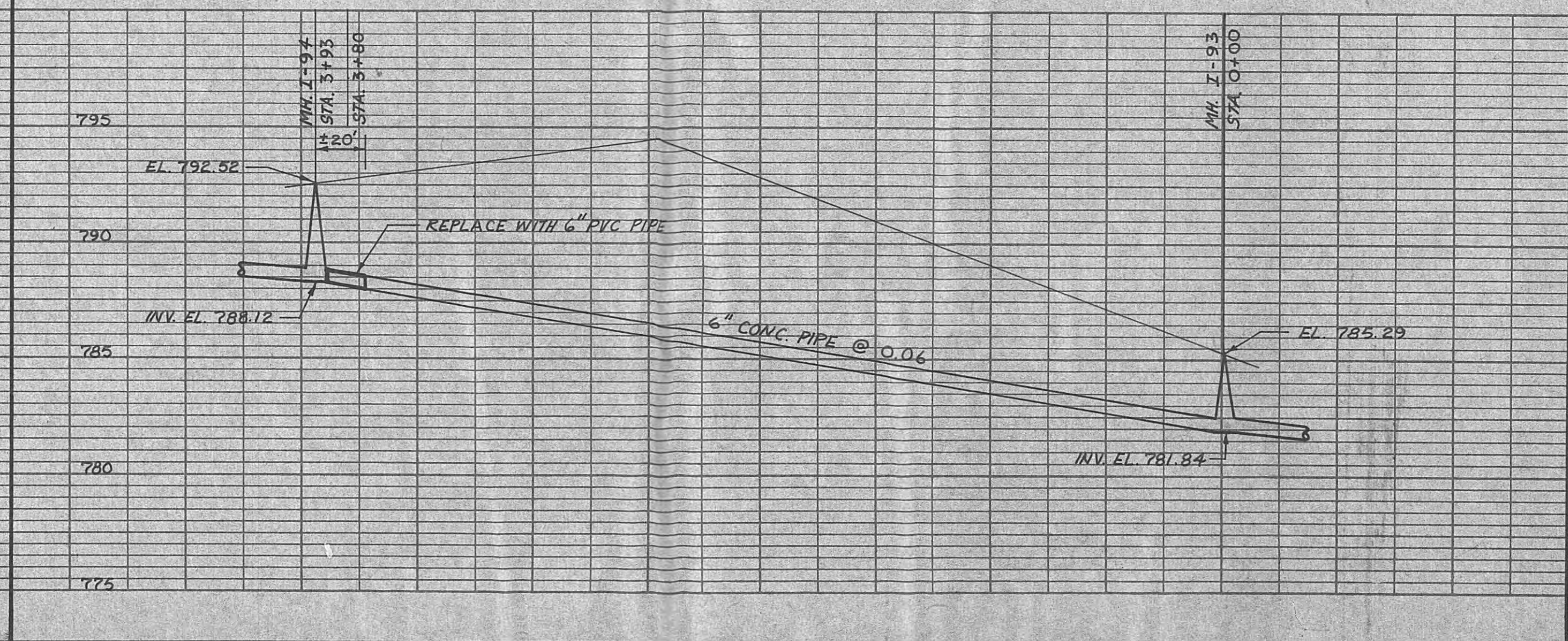
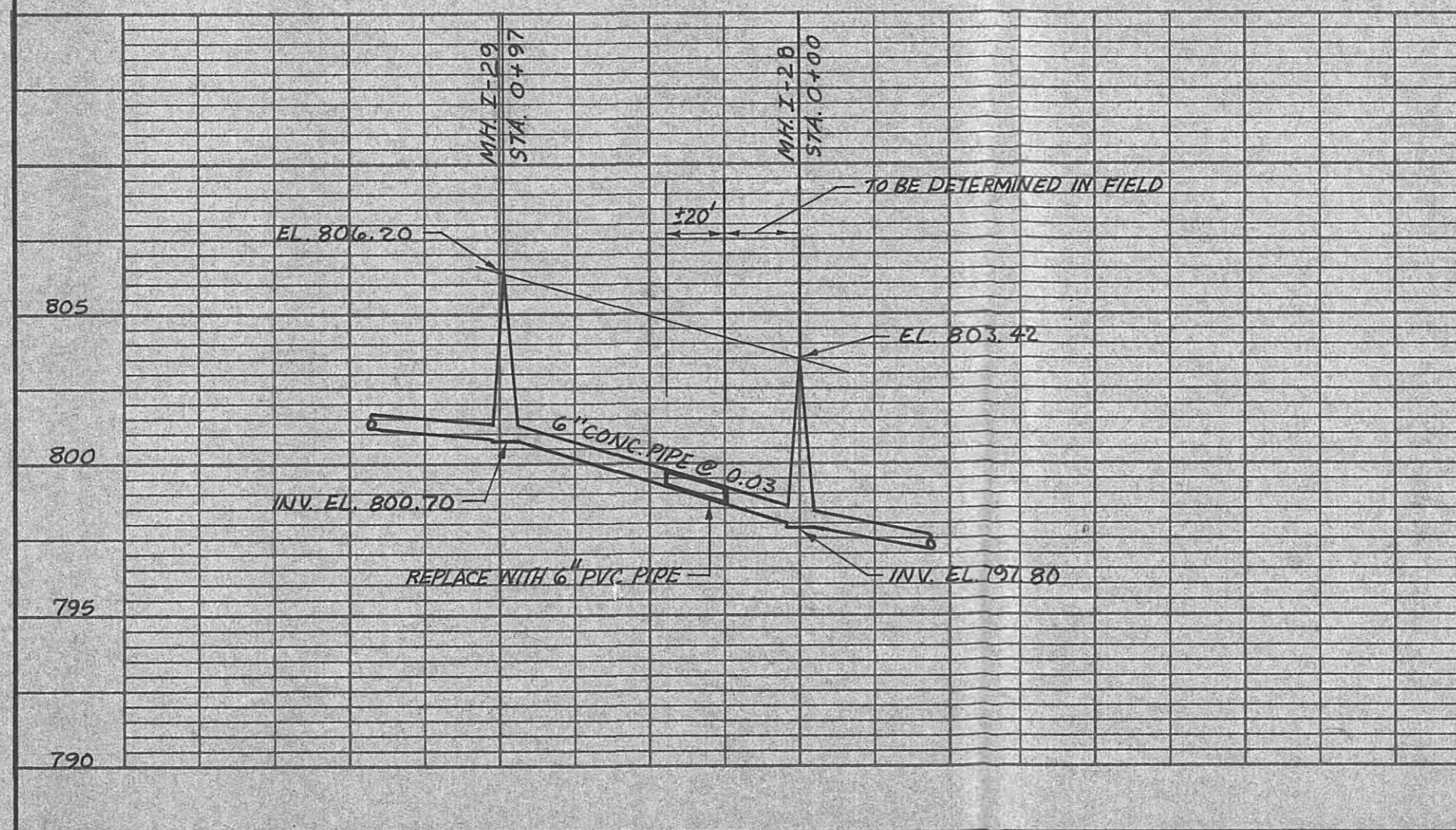
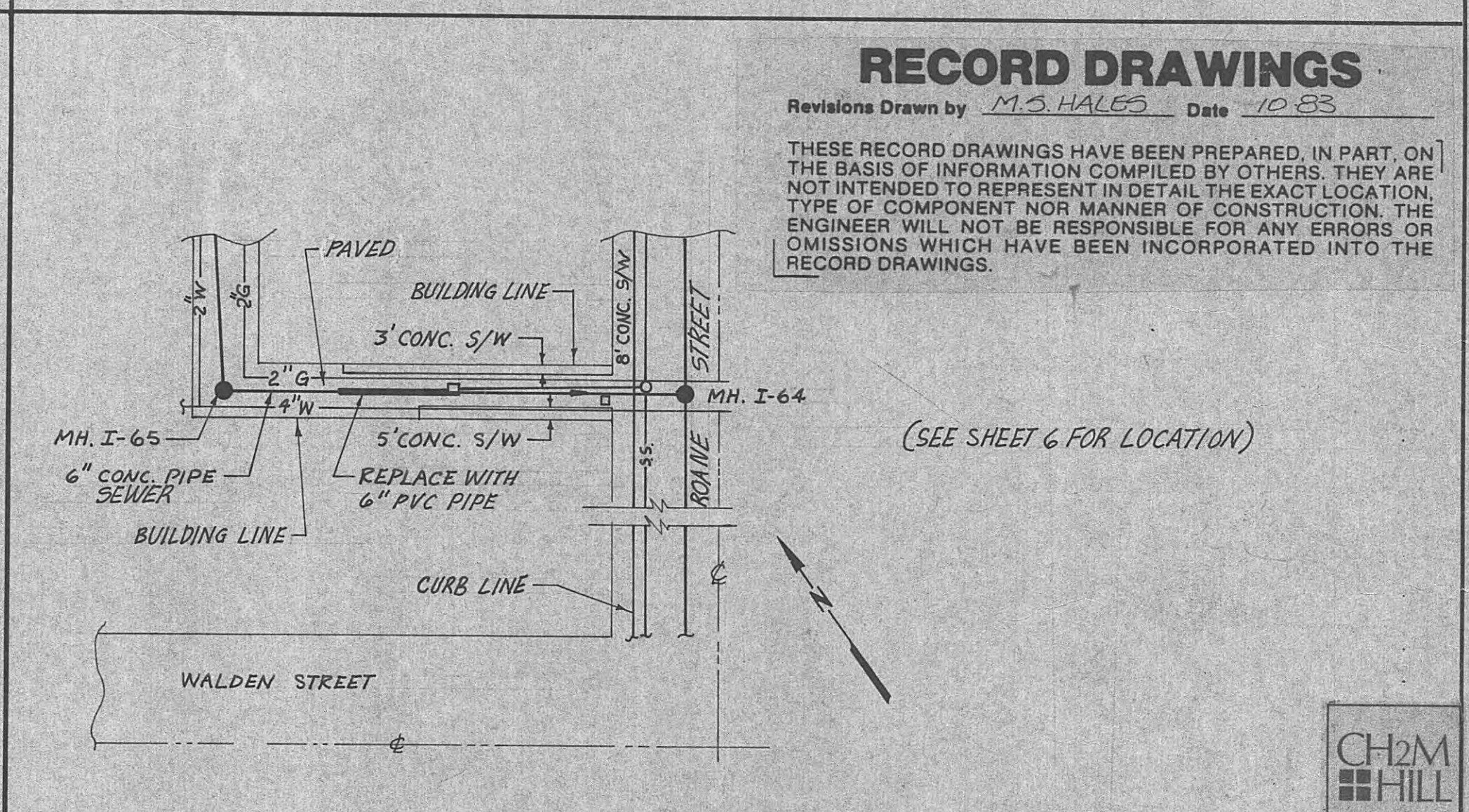
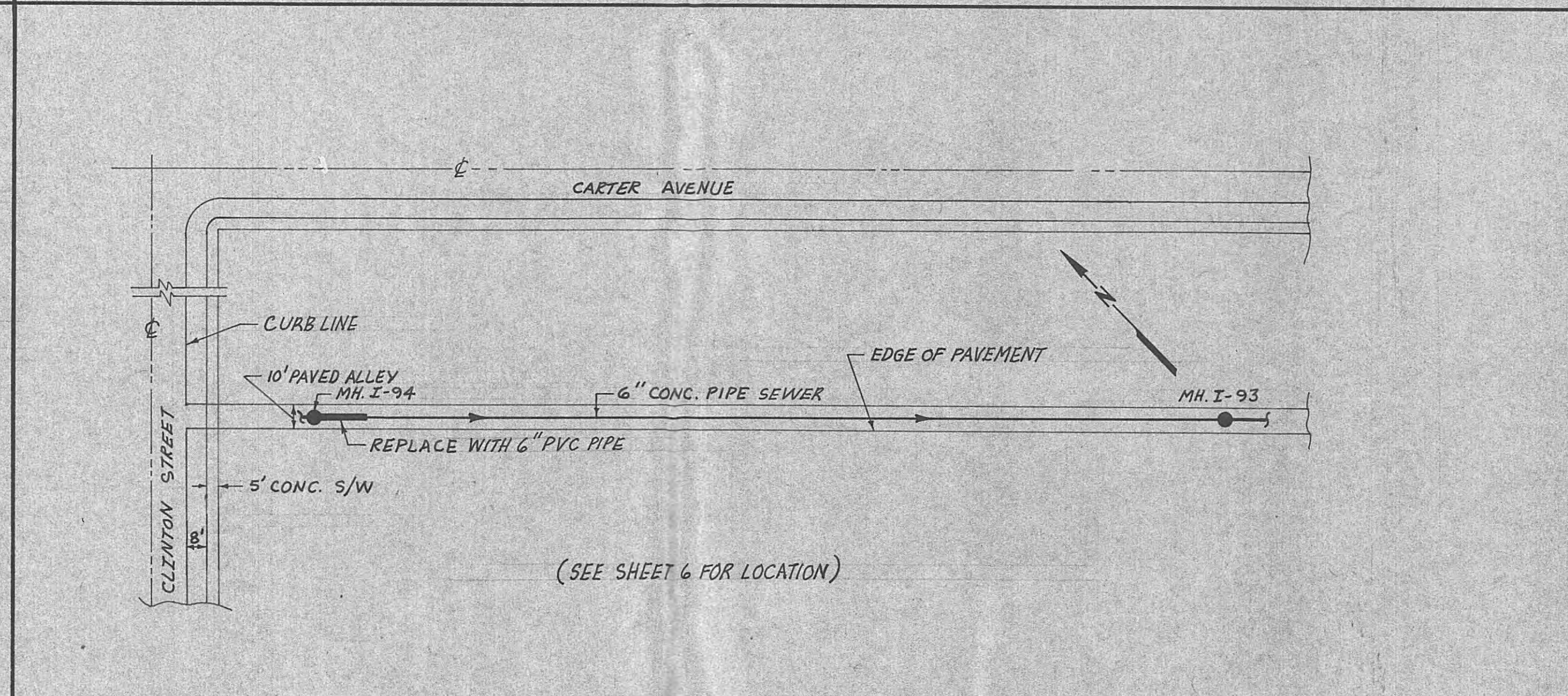
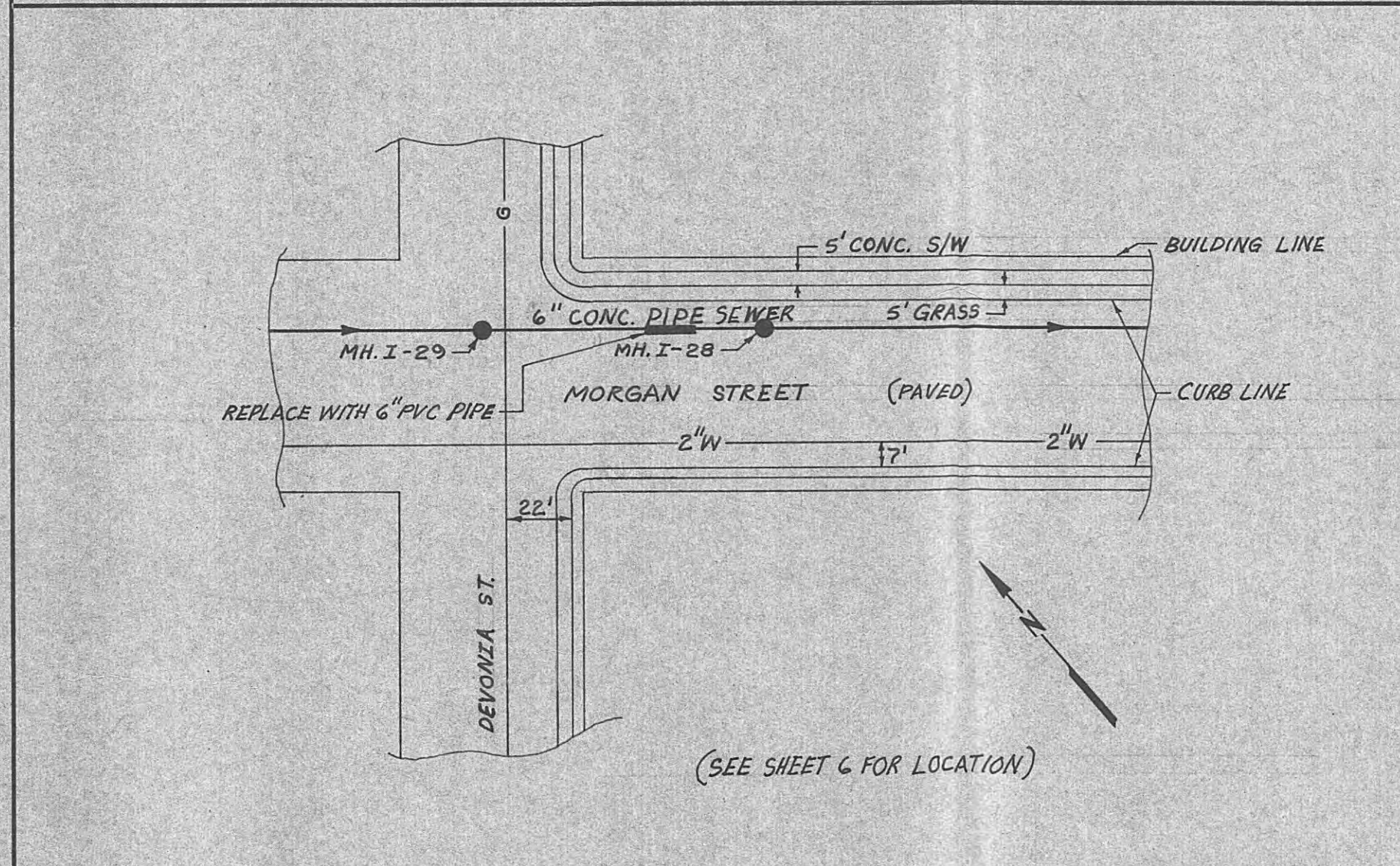
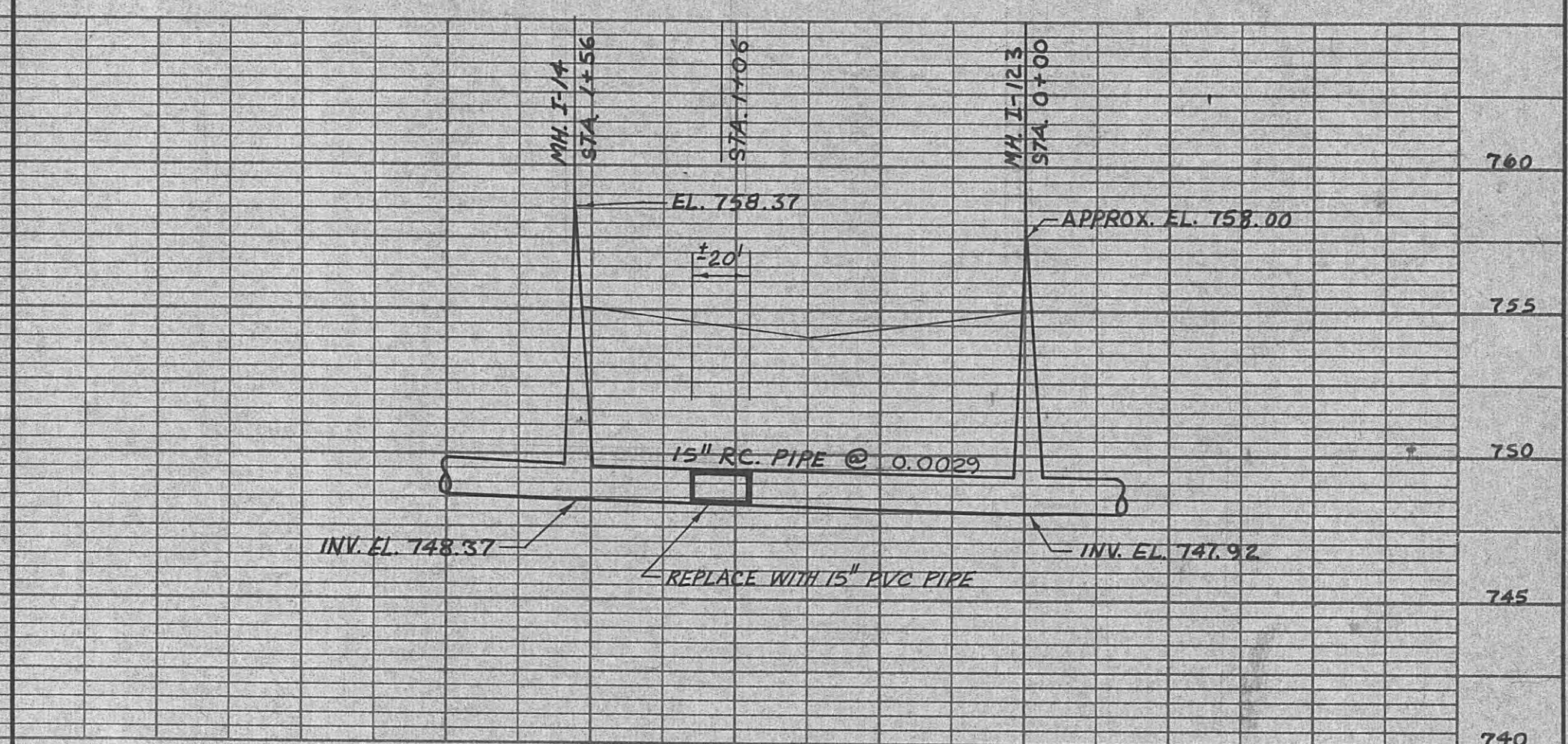
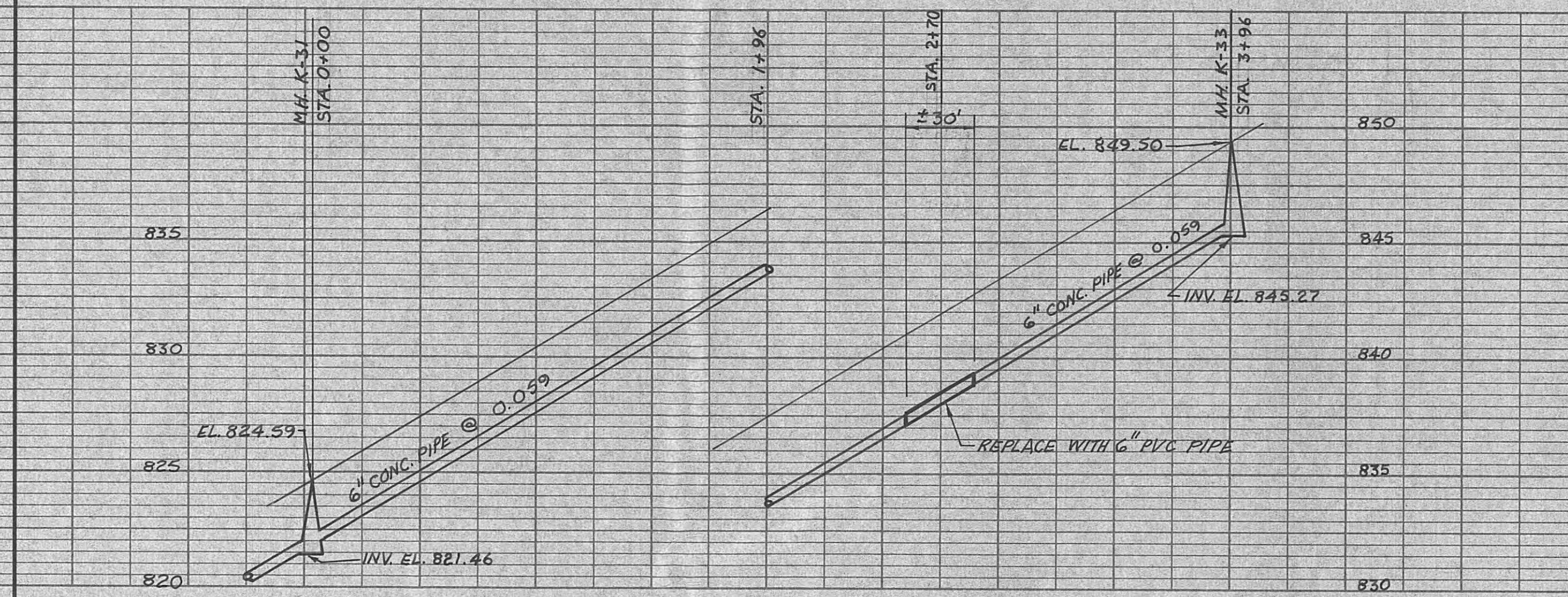
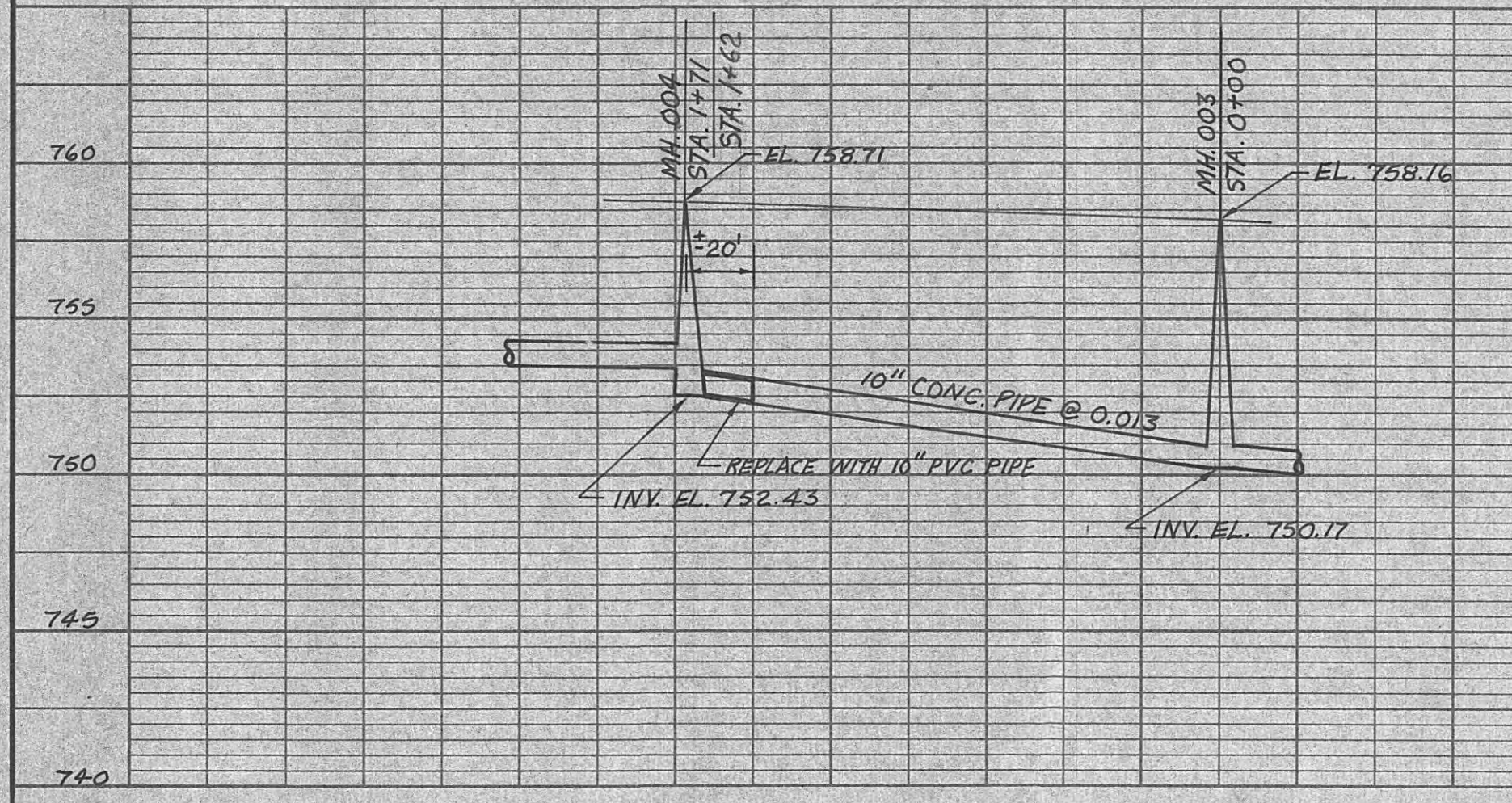
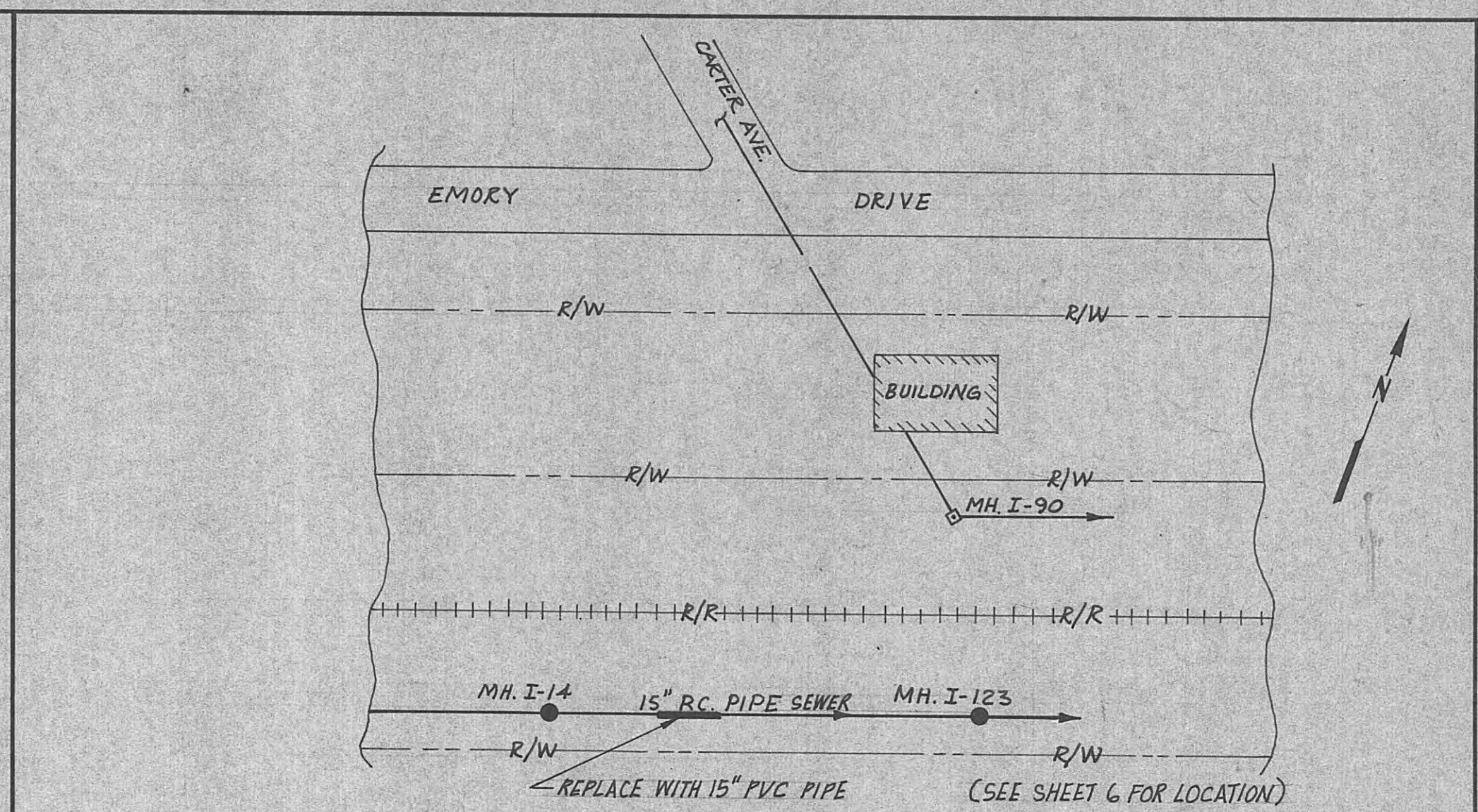
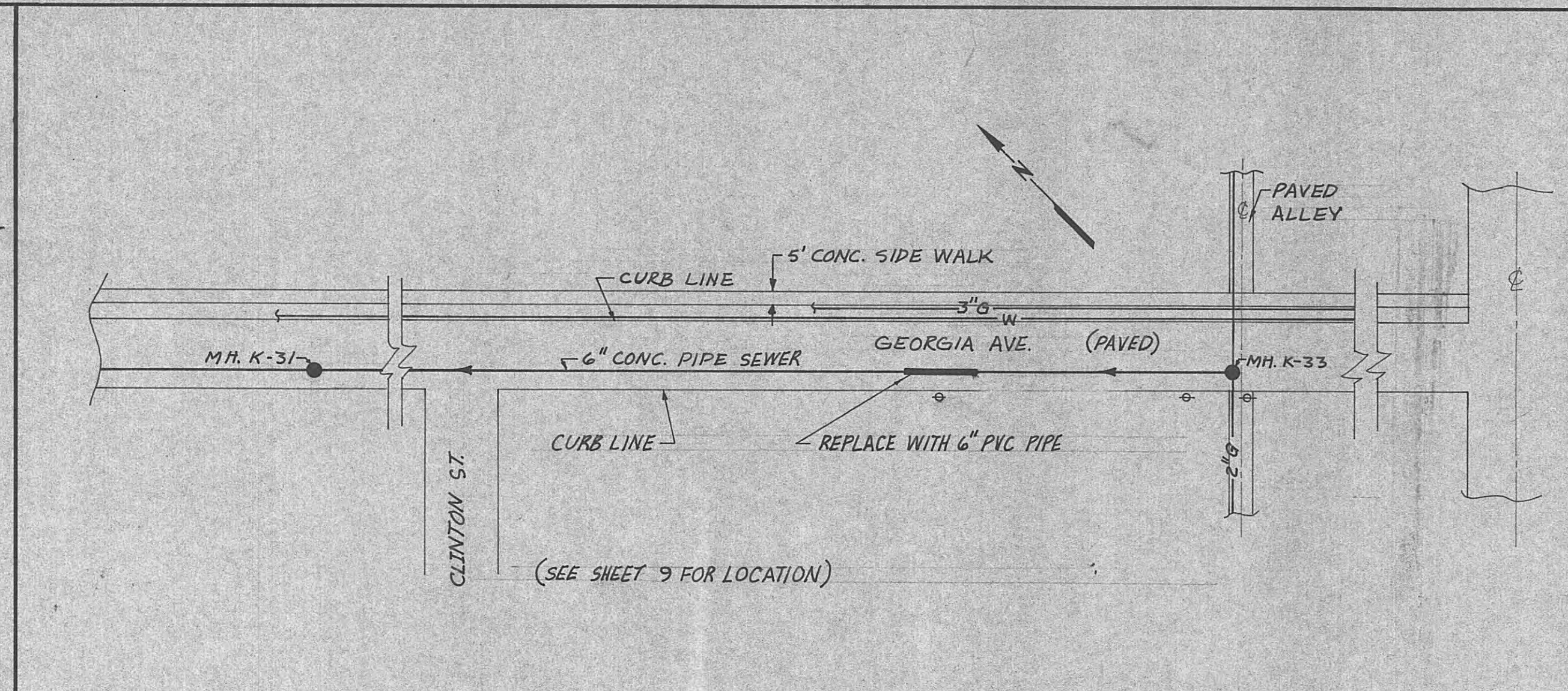
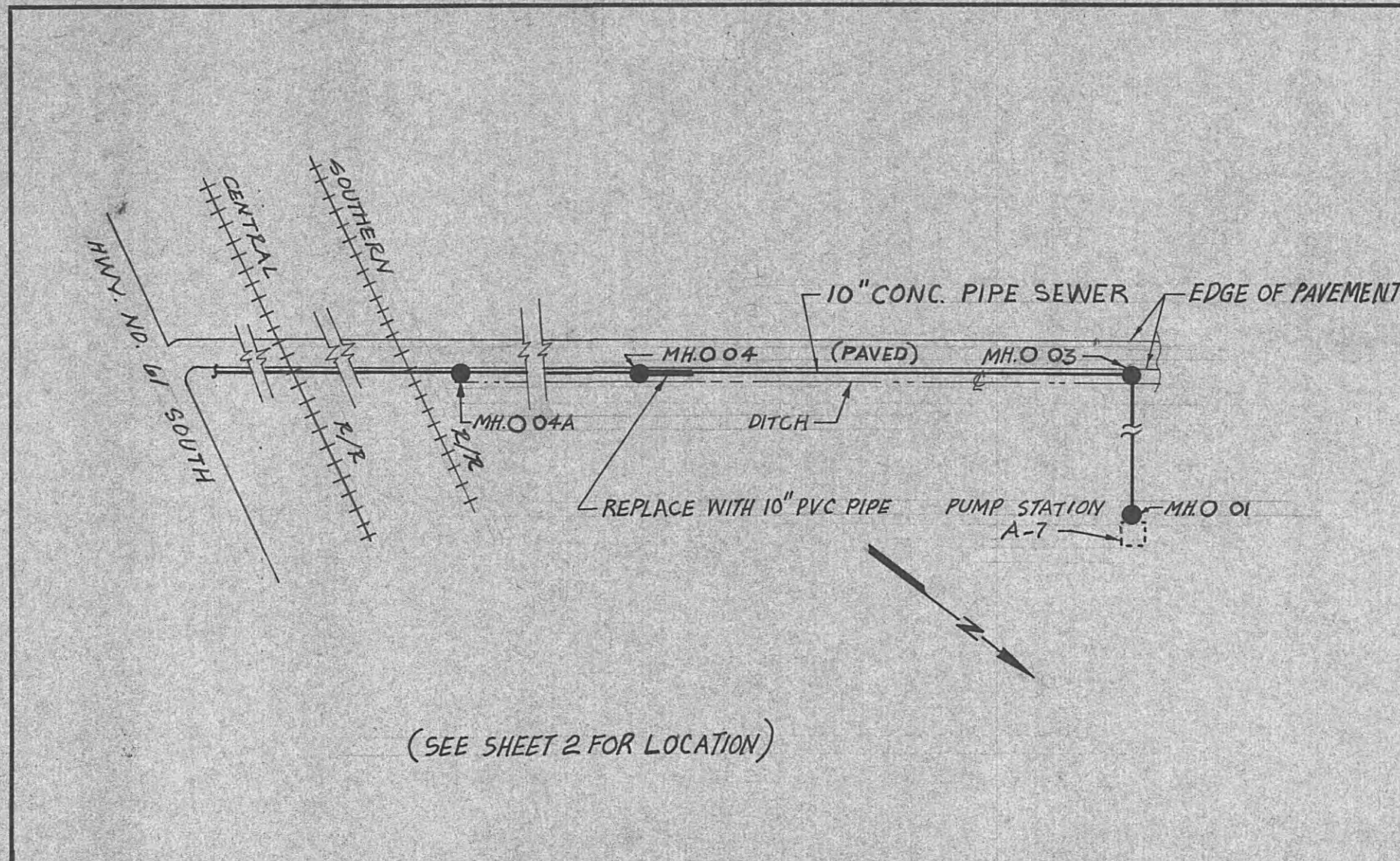
EXISTING WASTEWATER COLLECTION SYSTEM SEWER REHABILITATION

DRAWN BY: J. M. C.	DATE: JAN. 1981
CHECKED BY: C. C. S. & R. W. C.	FILE NO. 48402.71
SCALE: 1" = 200'	

CH₂M
HILL

PLAN AND SCHEDULE
STANDARD DETAILS
HARRIMAN - TENNESSEE

SHEET
NO.
12



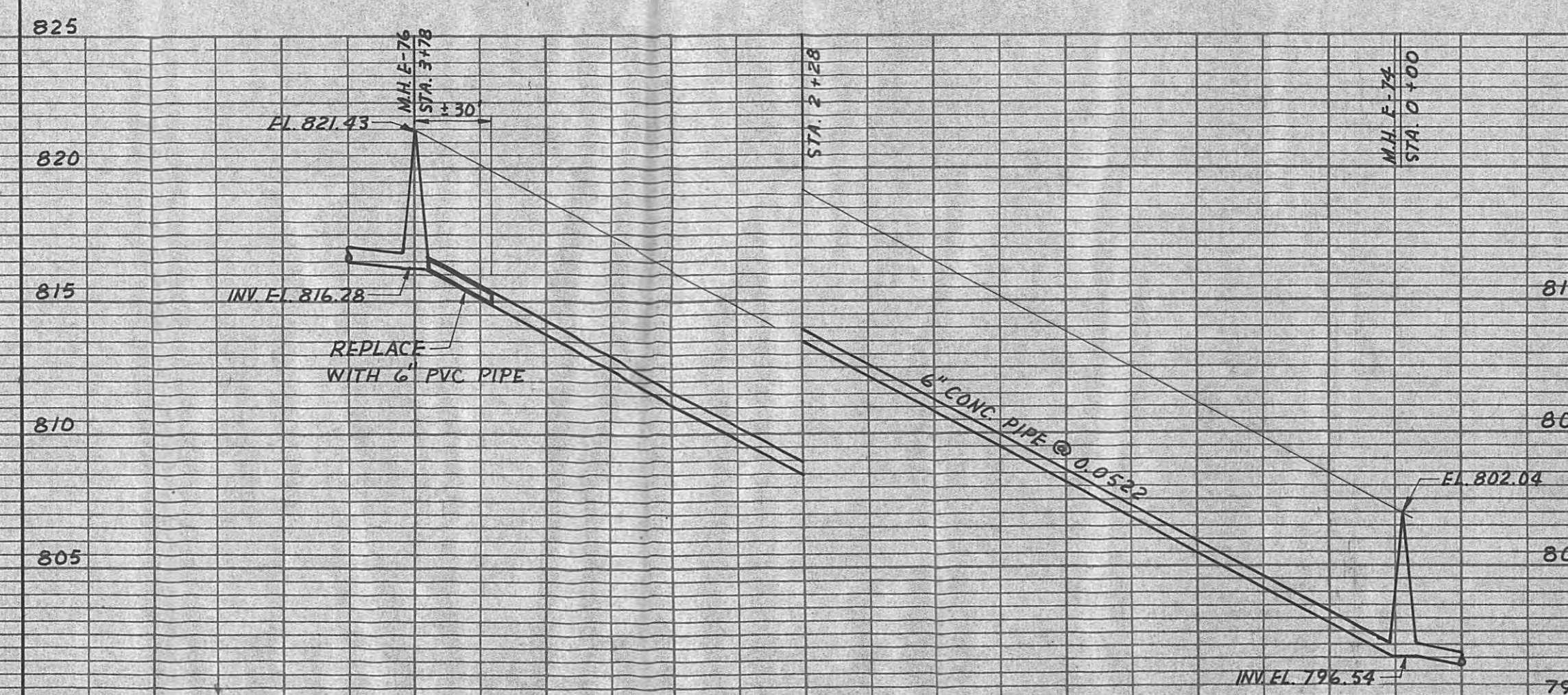
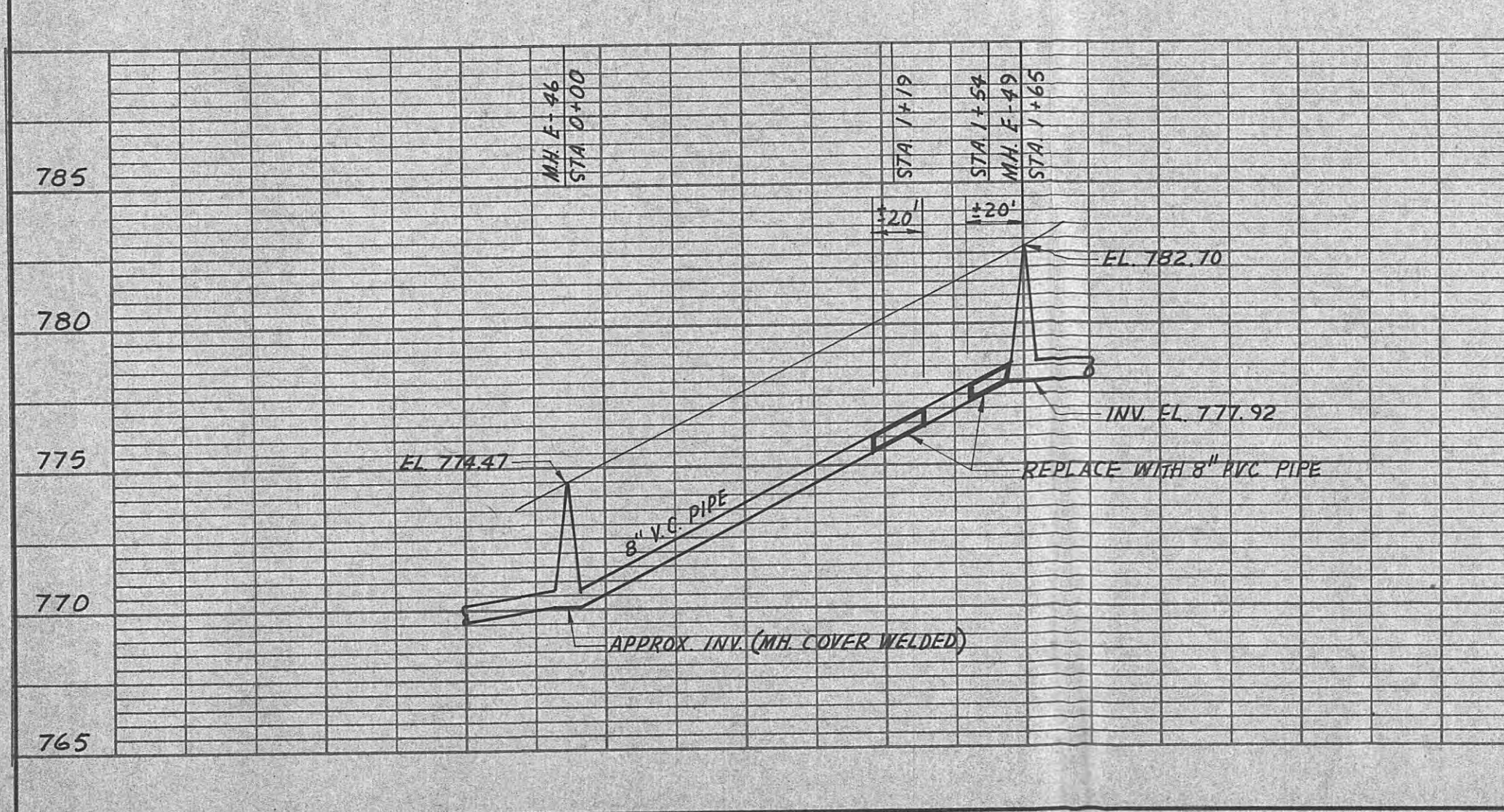
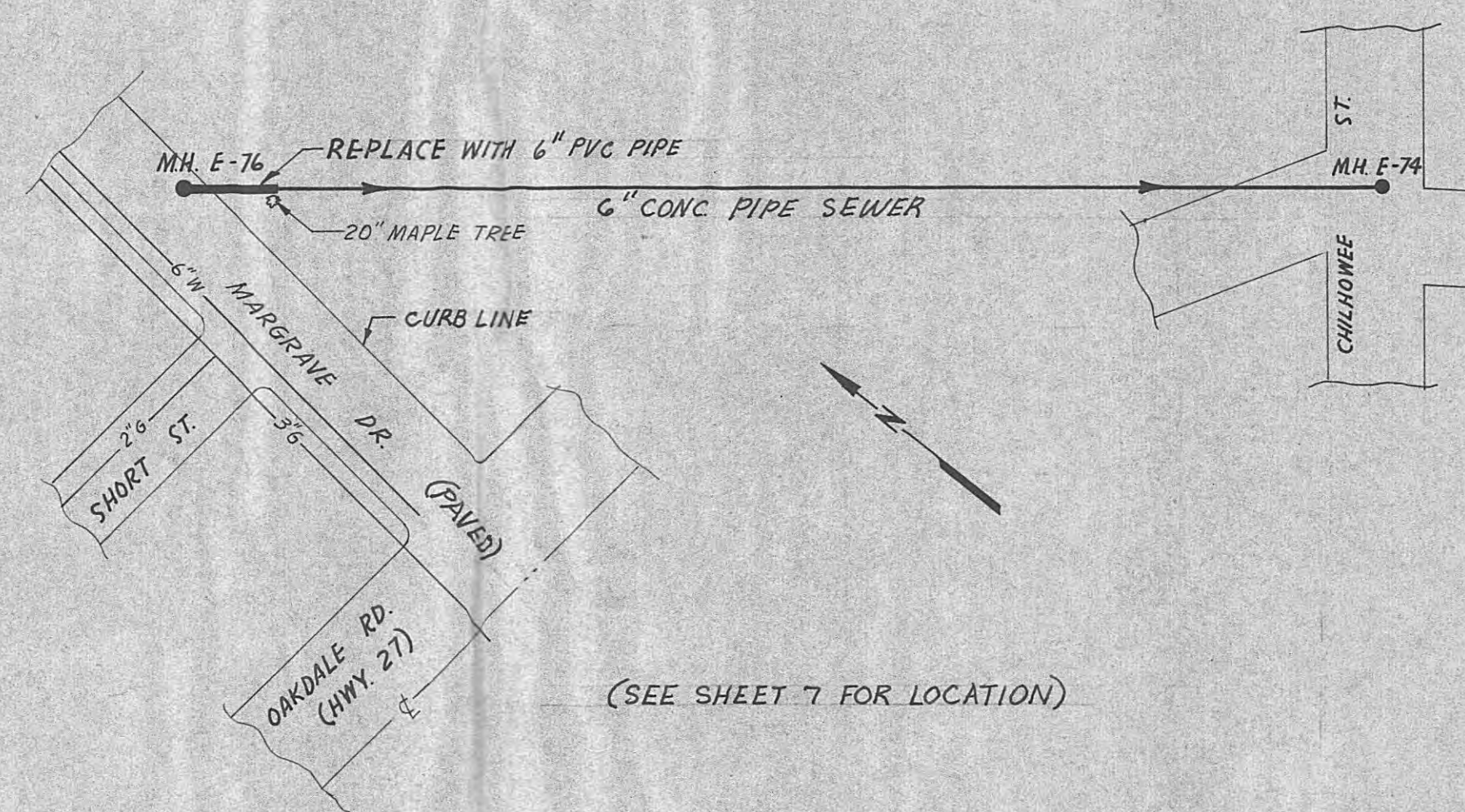
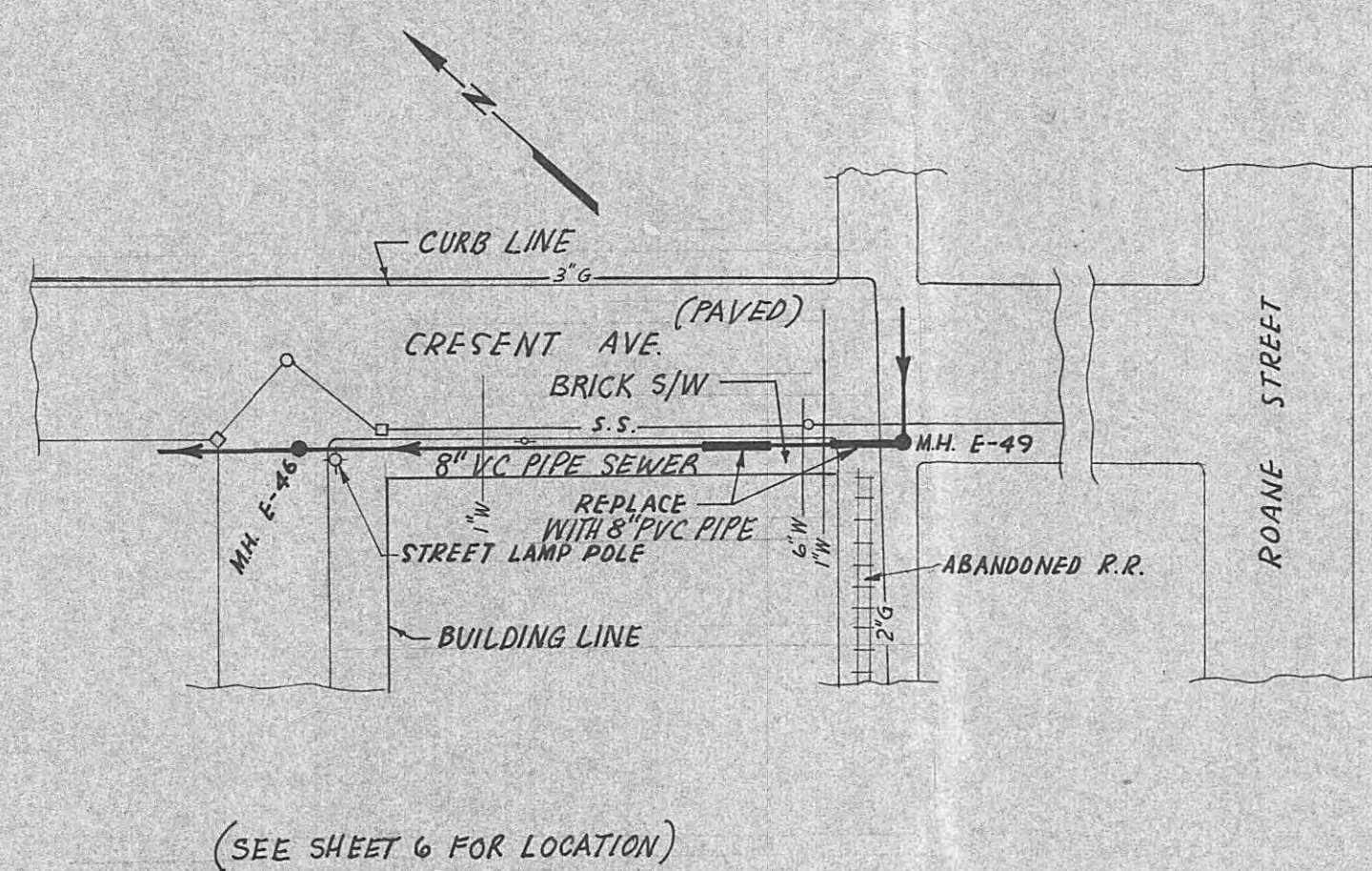
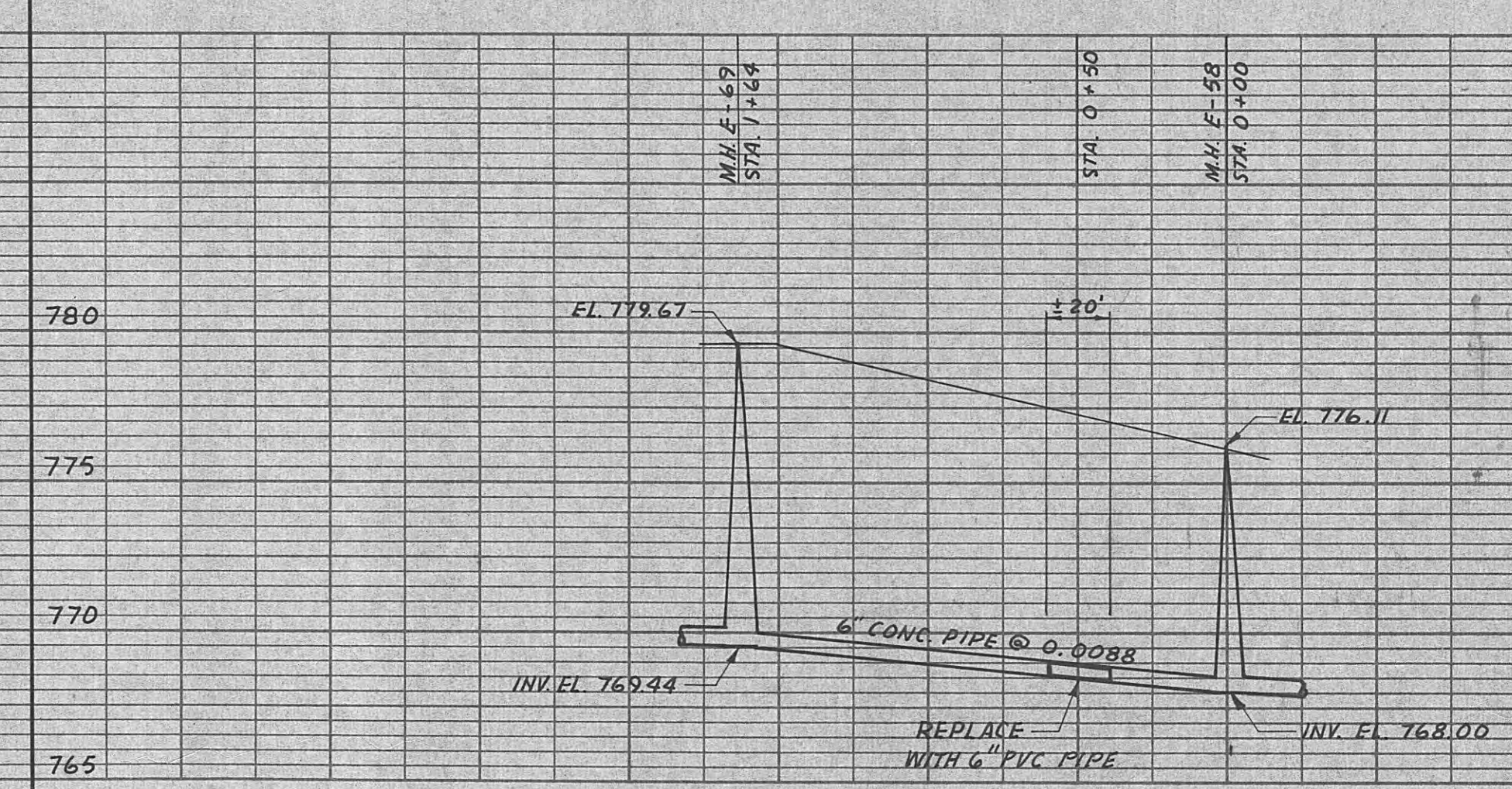
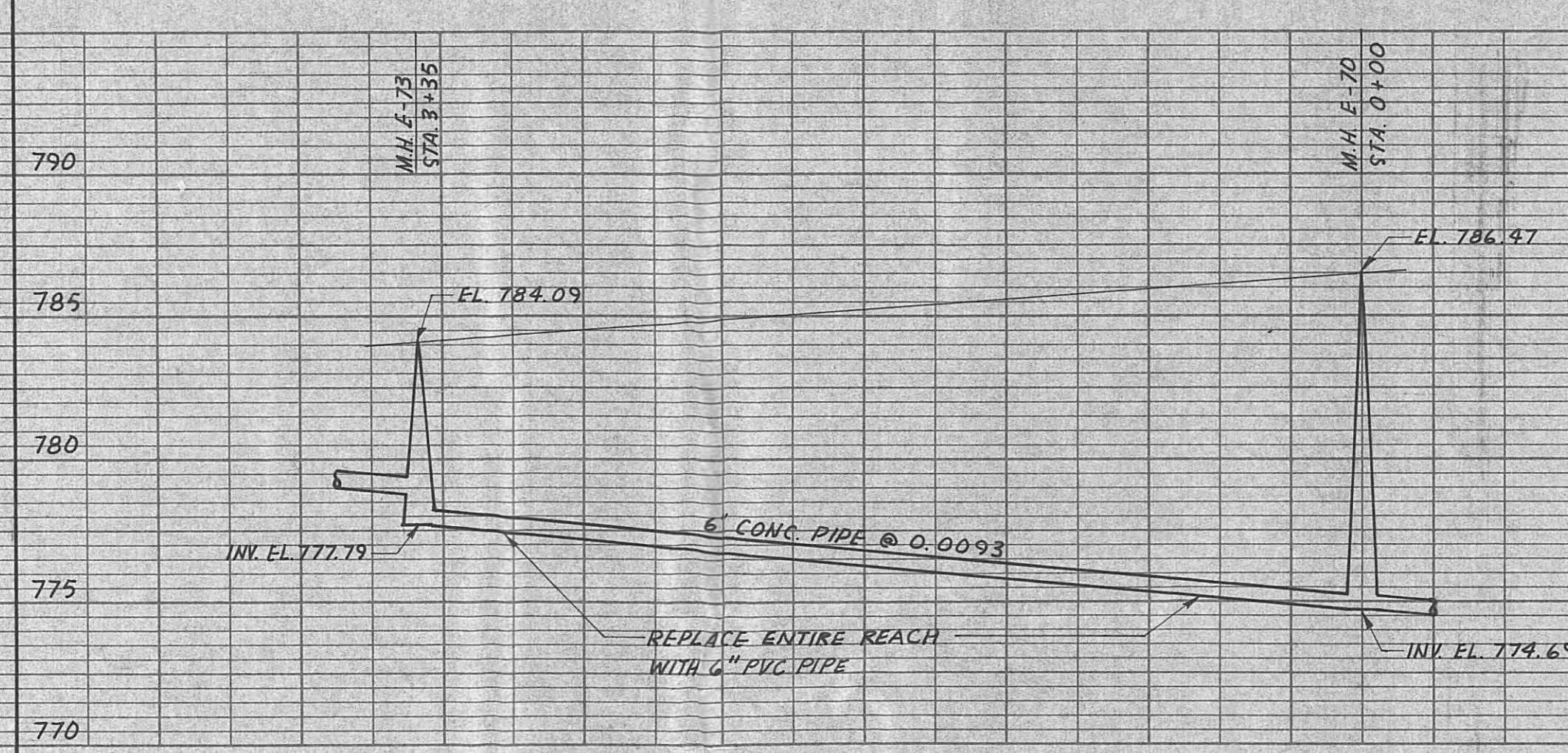
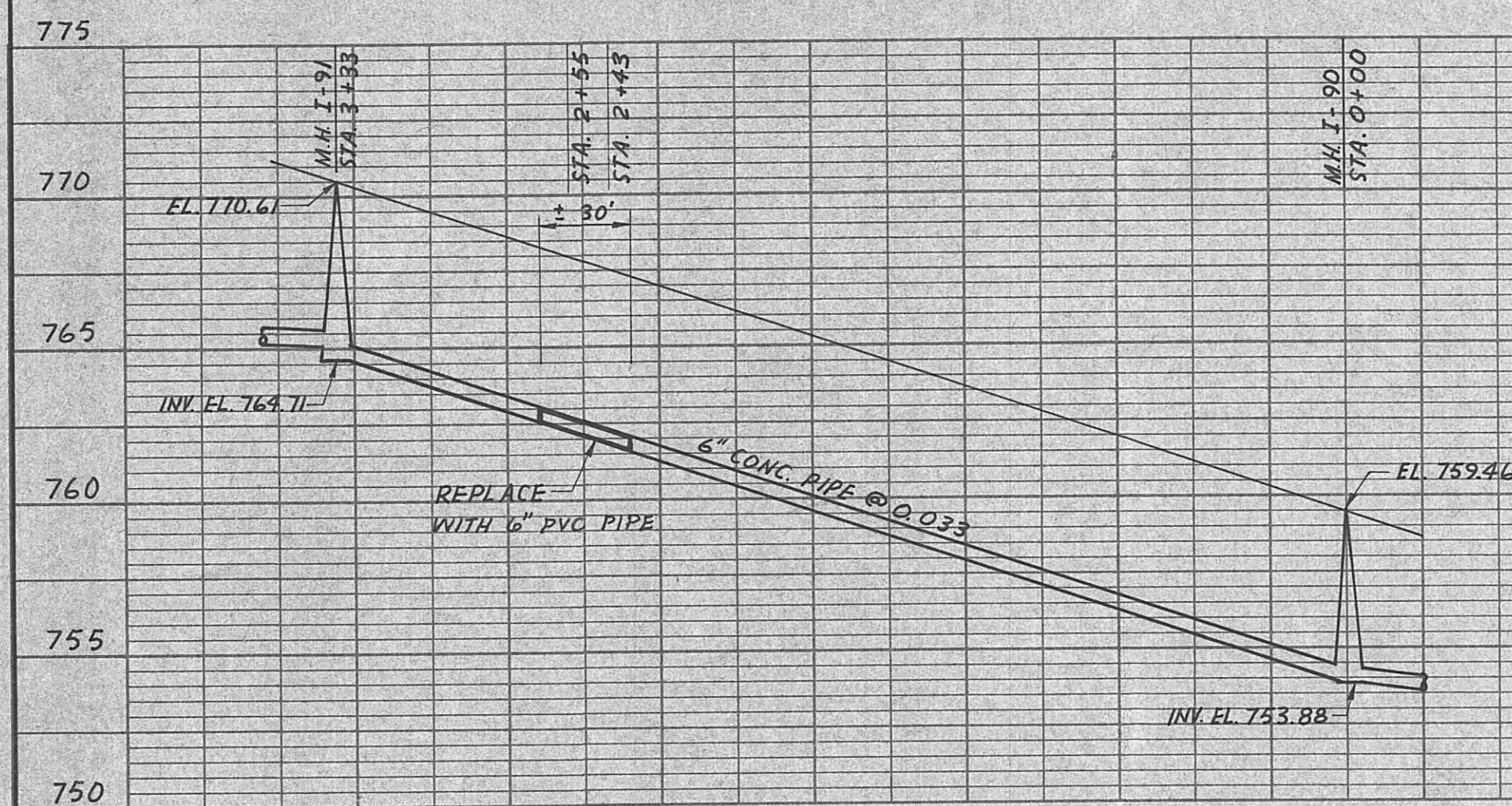
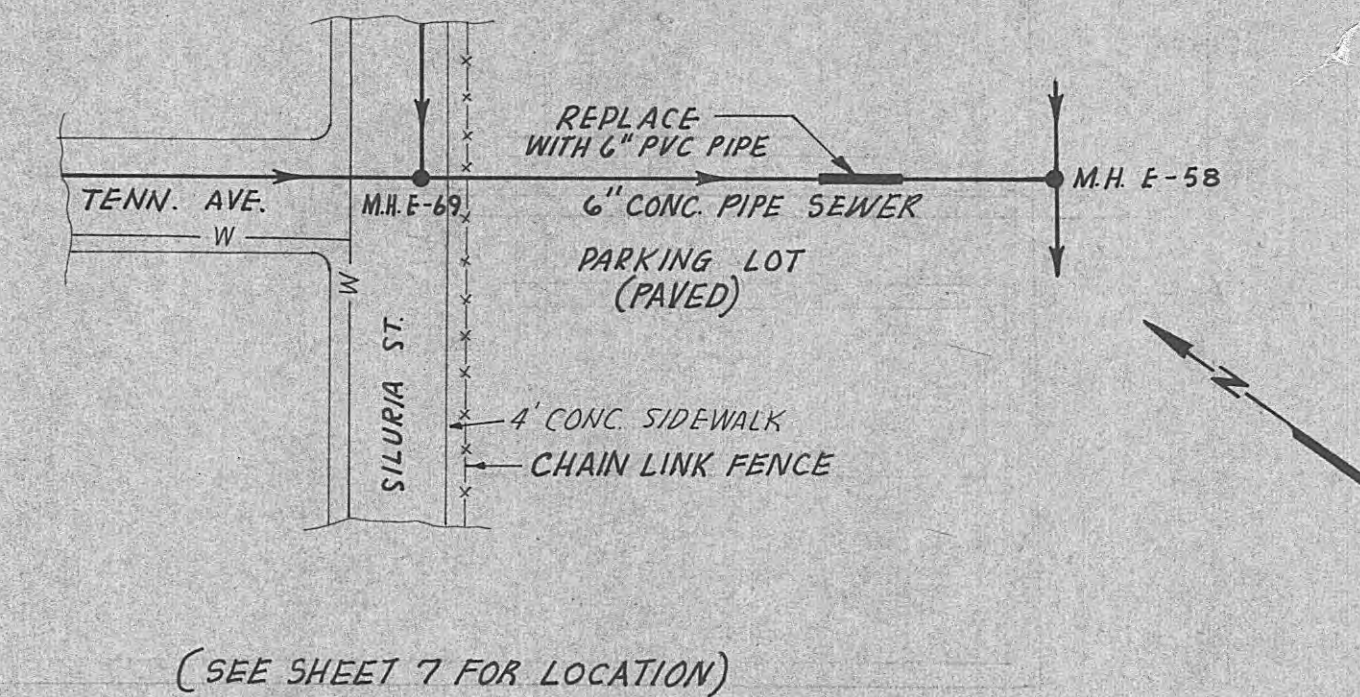
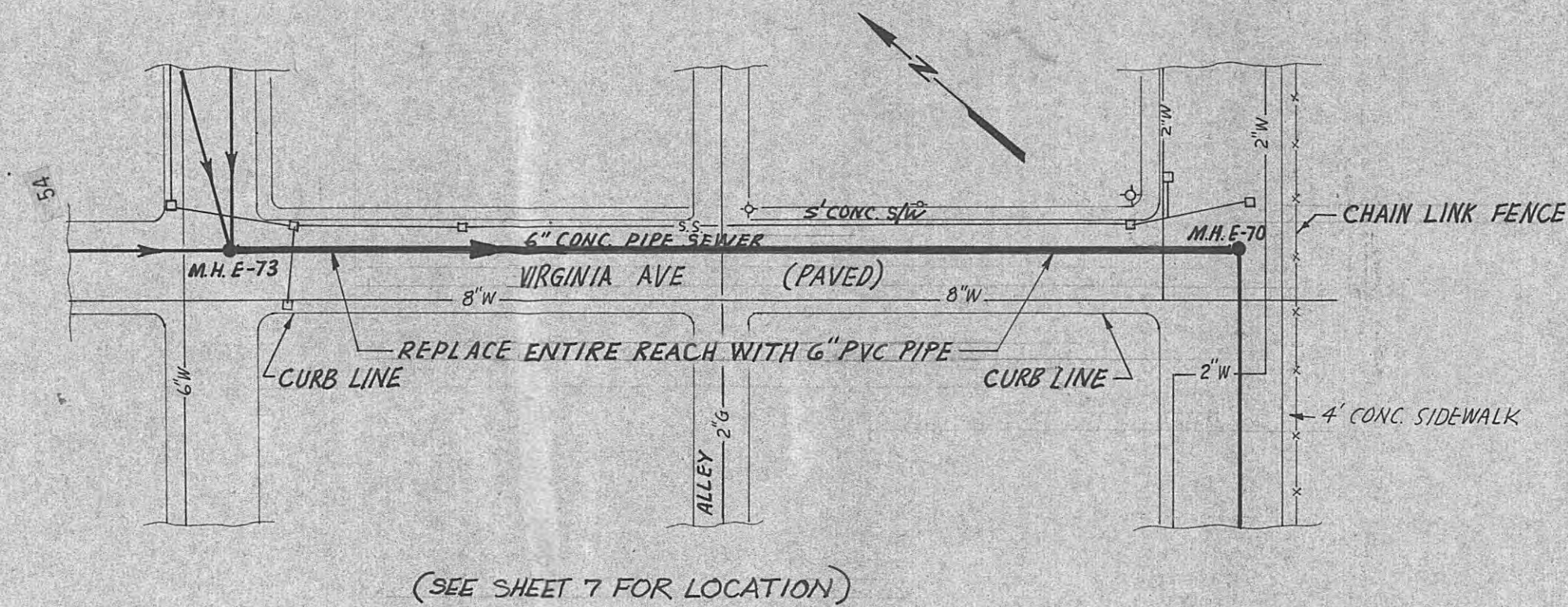
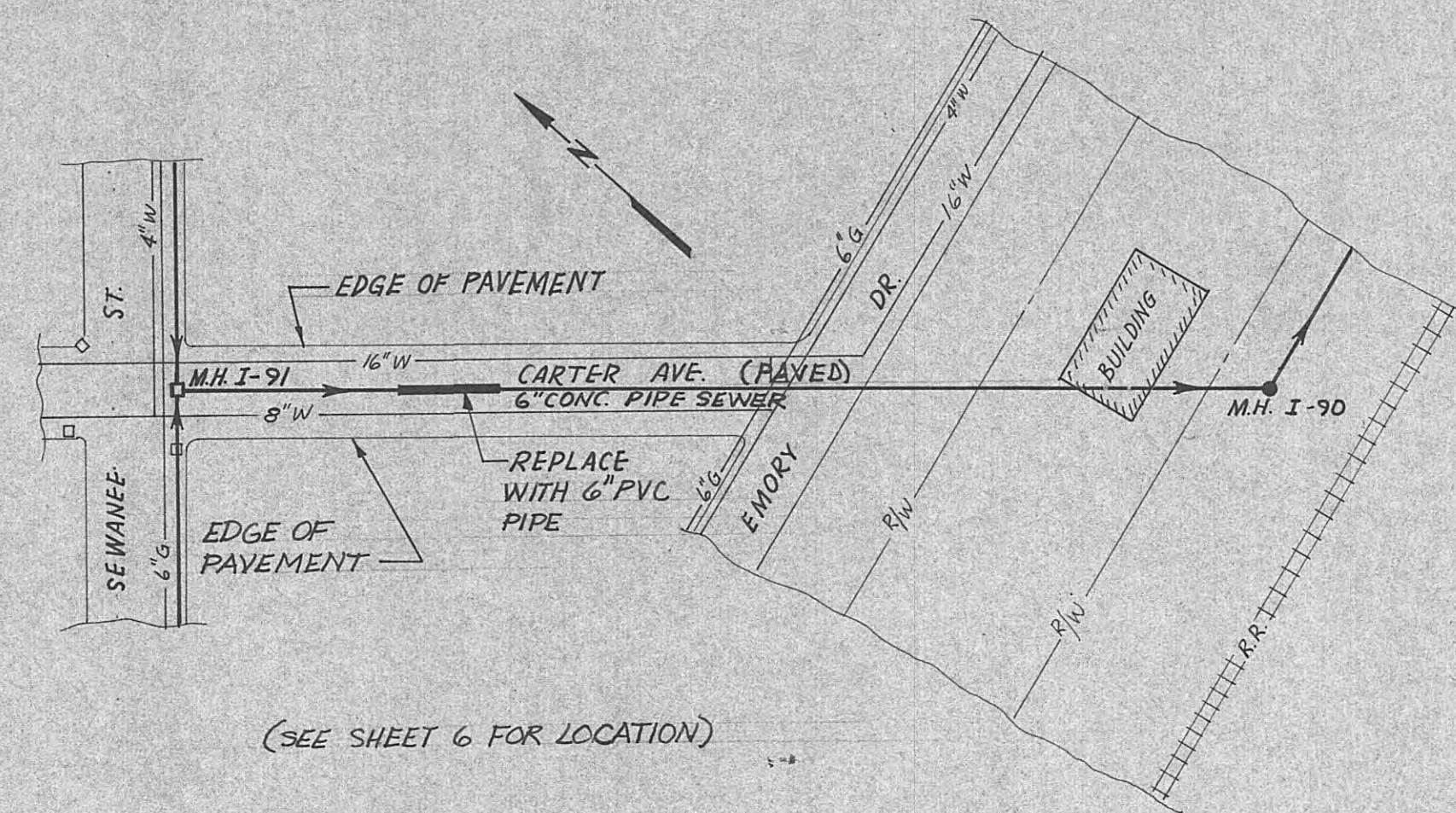
RECORD DRAWINGS
 Revisions Drawn by M.S. HALE Date 10-83
 THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.



EXISTING WASTEWATER COLLECTION SYSTEM SEWER REHABILITATION
 DRAWN BY: J.M.C. DATE: JAN. 1981
 CHECKED BY: C.E.R. FILE NO.: 48402.71
 SCALE: 1"=50' HORIZ. 1"=5' VERT.
PIPE REPLACEMENT PLAN AND PROFILE
 HARRIMAN - TENNESSEE

NO.	DESCRIPTION	DATE
1	REVISIONS	

SHEET NO. **14**



RECORD DRAWINGS

Revisions Drawn by M.S. HALES Date 10-83

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.

CH₂M
HIL

EXISTING WASTEWATER
COLLECTION SYSTEM
SEWER REHABILITATION

DRAWN BY: C.M.G.	DATE: JAN. 1981
CHECKED BY: CCS. F.R.W.C.	FILE NO.: 48402.7
SCALE: 1"=50' HORIZ. 1"=5' VERT.	

PIPE REPLACEMENT
PLAN AND PROFILE
HARRIMAN - TENNESSEE

SHEET
NO.
15

REHABILITATION SCHEDULE

SEWER SECTION (Manhole)-(Manhole)	PIPE TYPE & DIAMETER (Inches)	LENGTH OF SECTION (Feet)	ESTIMATED NUMBER OF JOINTS	ESTIMATED CHEMICAL GROUTING (No. Joints)	ROOT TREATMENT (Feet)	EXCAVATE AND REPLACE (Feet)	MANHOLE SEALING (Manhole)	AVERAGE MANHOLE DEPTH (Feet)	MANHOLE COVER REPLACEMENT (Manhole)	MANHOLE SEALING (Manhole)	MANHOLE STRUCTURAL REHAB. (Manhole)	TV INSPECTION (Feet)
E3 - E4	12 CP	51	0	0				10.5	E15, E28	120	E49, E110	51
E4 - E5	10 CP	113	0	0				10.5	E103, E107	123	128, 127	109
E5 - E6	12 VCP	341	83	5				17.0	E33, E43	124	148, E46	341
E6 - E7	8 VCP	72	0	0				15.5	E44	125	135, 138	
E7 - E8	6 VCP	163	0	0		27.91, 11 TOTAL 47		5.0	E49	129	139, 145	163
E8 - E9	6 VCP	82	20	1				10.5	E115, E114	132	136	82
E9 - E10	15 CIP	156	69	10		22		6.5	E109	133		156
E10 - E11	6 VCP	273	0	0	6			10.0	114, 192	144		110
E11 - E12	6 VCP	243	0	0	6	25		7.0	E32	156		243
E12 - E13	8 VCP	326	51	3	6			4.0	19	165		326
E13 - E14	8 VCP	162	0	0		38, 30, 62 TOTAL 130		4.5		167		162
E14 - E15	6 VCP	340	0	0		21		5.5				340
E15 - E16	6 VCP	168	0	0	15			5.0				168
E16 - E17	6 VCP	388	0	0		19		4.0				97
E17 - E18	6 VCP	129	0	0								72
E18 - E19	6 VCP	155	0	0								157
E19 - E20	6 VCP	157	0	0								182

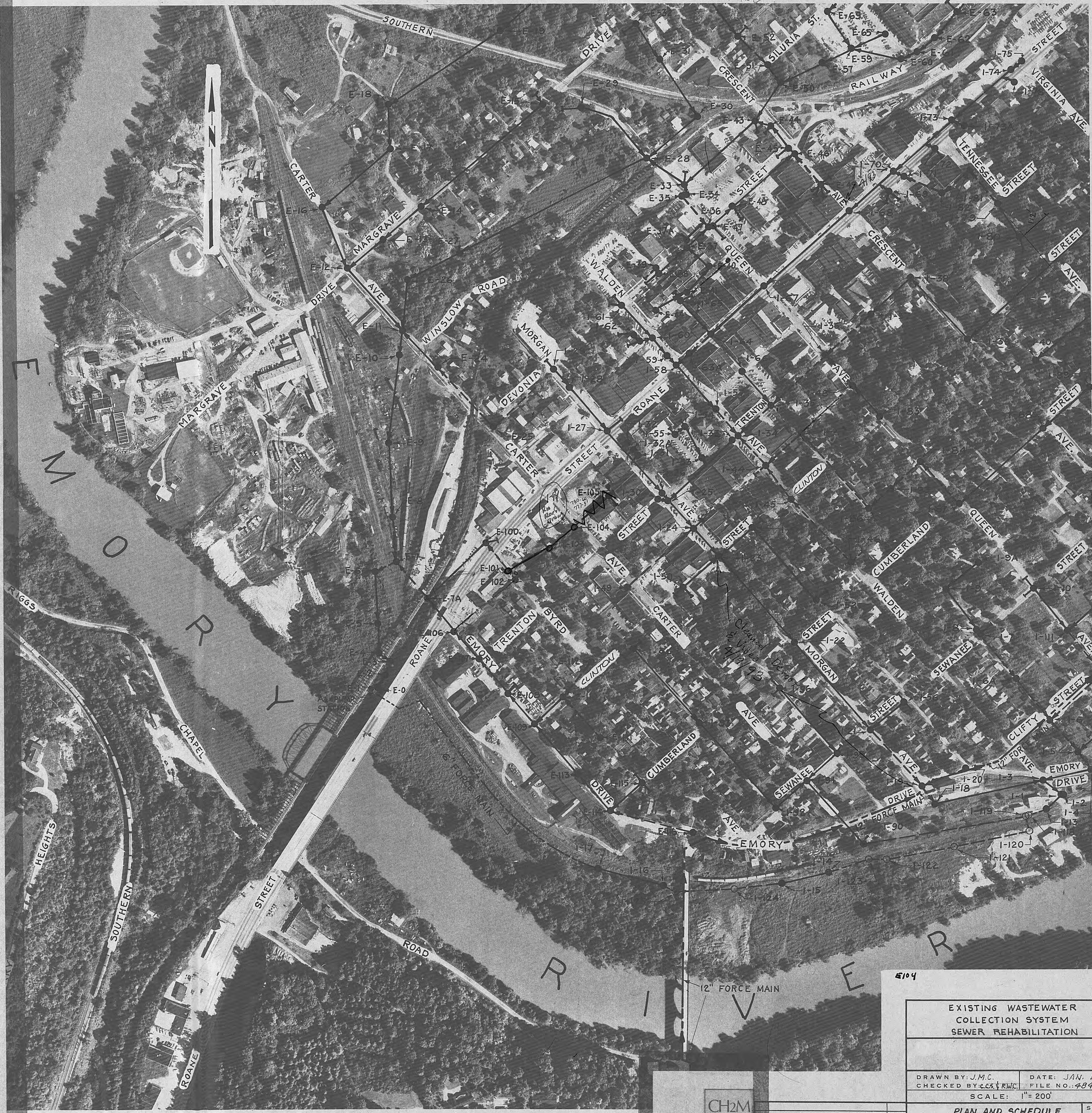
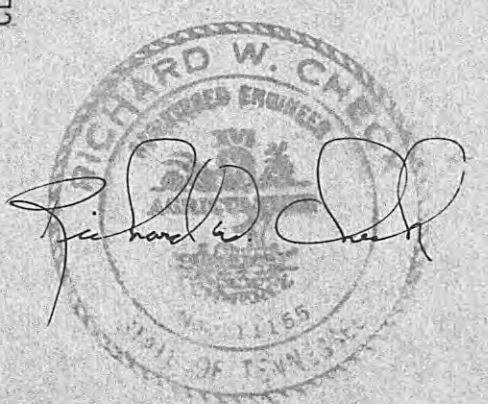
CLEAN & TV ONLY

Note: For additional manhole grouting, cover replacement and manhole cover sealing see schedule on sheet no. 4

See Sheet Nos. 14 and 15

NOTE: The Following Manholes Raised To Grade:
127
139
119
E108
E108

RECORD DRAWINGS
Revisions Drawn by M.S. HALE Date 10 83
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.



DESCRIPTION	DATE
REVISIONS	

EXISTING WASTEWATER COLLECTION SYSTEM SEWER REHABILITATION	
DRAWN BY: J.M.C.	DATE: JAN. 1981
CHECKED BY: C.C. & R.M.C.	FILE NO.: 48402.71
SCALE: 1" = 200'	
PLAN AND SCHEDULE	
HARRIMAN - TENNESSEE	SHEET NO. 6

[illegible]

E69

Revisions Drawn by M. S. HALES Date 10.83

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.



PLAN AND SCHEDULE		SHEET NO.
HARRIMAN	-	7
TENNESSEE		

NO.	DESCRIPTION	DATE
REVISIONS		

SEWER SECTION (Manhole)–(Manhole)	PIPE TYPE & DIAMETER (Inches)	LENGTH OF SECTION (Feet)	ESTIMATED NUMBER OF JOINTS	ESTIMATED CHEMICAL GROUTING (No. Joints)	MANHOLE STRUCTURAL REHAB (Manhole)	EXCAVATE ⁰ AND REPLACE (Feet)	MANHOLE SEALING (Manhole)	AVERAGE MANHOLE DEPTH (Feet)	TV INSPECTION (Feet)	MANHOLE COVER SEALING (Manhole)
					F53					
					K30					
					F26					
K23 - K24	6 CP	106	0	0				11.5	106	
K28 - K30	6 VCP	171	0	0		150		5.0	171	
K31 - K33	6 VCP	402	0	0		32;21 TOTAL 53		3.5	370	
										K15,
F2 - F1A	8 VCP	129				126				K27
										K31,
F31 - F30	4 VCP	336								
F30 - F29	4 VCP	249								
F29 - F22	4 VCP	388								
F22 - F21	6 VCP	280							280	
F21 - F20	6 VCP	268								
F20 - F18	6 VCP	193		Heavy Cleaning					268 209	
F18 - F17	8 VCP	160							160	
F2 - F1A	8 VCP	129							129	
F1A - F1	8 VCP	200							122	
F52A - F52	8 VCP	329							329	
F52 - F12	8 VCP	241							241	
F12 - F2	8 VCP	181								

NOTE: The Following Manholes Raised To Grade:

Revisions Drawn by M.S. HALES Date 10-83

DRAWN BY: J.M.C.	DATE: JAN. 198
CHECKED BY: CCS, P.W.C.	FILE NO.: 4840

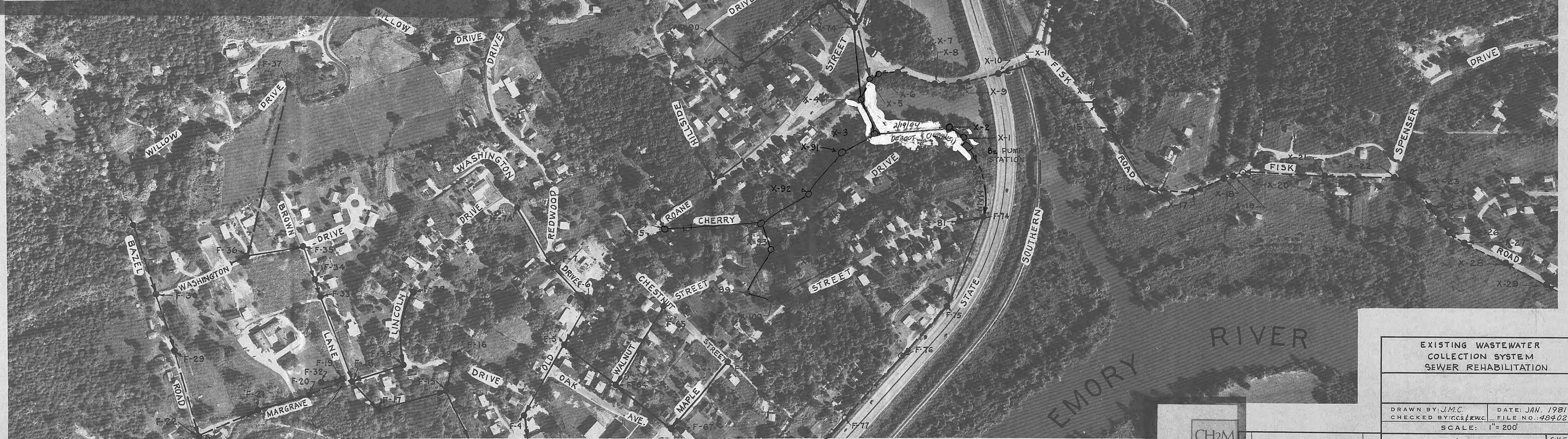
SCALE: 1" = 200'

PLAN AND SCHEDULE

HARRIMAN - TENNESSEE

[illegible]Revisions Drawn by M.S. HALES Date 10-83

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.



CLEANED, DEROOT, TW
4/93

4-12⁹³ Replaced MH F-17
E 150' of 8" line

EXISTING WASTEWATER COLLECTION SYSTEM SEWER REHABILITATION

DRAWN BY: J.M.C.	DATE: JAN. 1981
CHECKED BY: C.C.S./R.W.C.	FILE NO.: 48402.71
SCALE: 1" = 200'	

PLAN AND SCHEDULE

HARRIMAN - TENNESSEE (10

HEET
NO.
10

CH₂M
HIL