

6

L-10

CONVENTIONAL SIGNS

SECTION LINE	---
CENTER LINE OF ROAD	---
PROPERTY LINE	---
LIMITED ACCESS & RIGHT OF WAY	LA-R/W
LIMITED ACCESS ONLY	LA
RIGHT OF WAY ONLY	RW
CORPORATION LINE	---
SLOPE EASEMENT	SL
GUARD RAIL	⊕
POWER POLE	⊕
TELEPHONE POLE	⊕
FIRE HYDRANT	⊕
FENCE LINE	-X-X-X-X-

MICROFILMED
FEB 13 1965

STATE OF OHIO DEPARTMENT OF HIGHWAYS

I-71-5(12)238

FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO	I-71-5(12)238	1963

CUYAHOGA COUNTY
CUY-71-5.72

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY, BY ACTION OF THE DIRECTOR OF HIGHWAYS IN ACCORDANCE WITH PROVISIONS OF SECTION 5511.02 OF THE REVISED CODE OF OHIO.

1963 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF HIGHWAYS, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

THE RIGHT OF WAY FOR THIS IMPROVEMENT WILL BE PROVIDED BY THE STATE OF OHIO.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAYS, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THESE PLANS AND ESTIMATES.

INDEX OF SHEETS

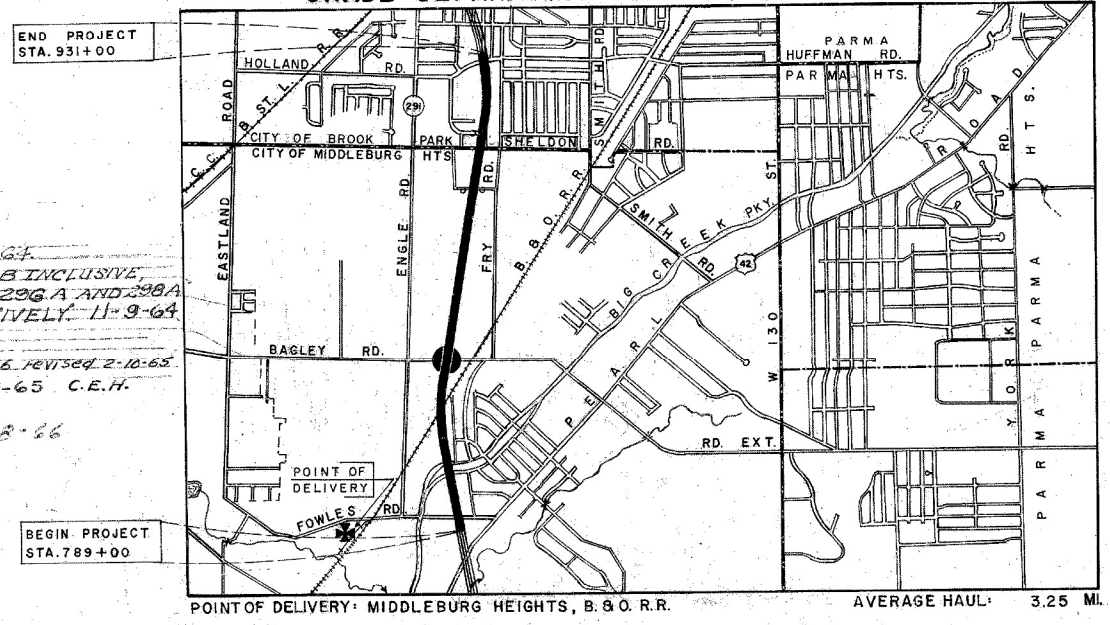
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SHEET 310 HAS BEEN DELETED

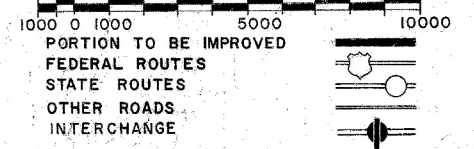
SHEETS 283, 284 & 285 REVISED 11-9-64
SHEETS 286 TO 292 AND 298 TO 300B INCLUSIVE, SUPERSEDED BY SHEETS 286A TO 292A AND 298A TO 300B INCLUSIVE, RESPECTIVELY 11-9-64
SHEET 240 REVISED 1-6-65
Sheet Nos. 265, 268, 278, 305, 315 and 316 revised 2-10-65
Sheet Nos. 12A and 13 revised 3-10-65 C.E.H.
Sheet No. 278 revised 3-16-65
Sheet Nos. 313 & 315 revised 2-8-66

LINE DATA

BEGIN PROJECT STATION	789+00
END PROJECT STATION	931+00
TOTAL LENGTH OF PROJECT	14,200 LIN. FT. OR 2.689 MI.
ADD FOR APPROACHES:	
MAIN LINE STATION 788+00 TO STATION 789+00	100.00
MAIN LINE STATION 931+00 TO STATION 932+40	140.00
FOWLES ROAD STATION 18+65 TO STATION 39+10	2,045.00
BIG CREEK PARKWAY STA. 4+39.85 TO STA. 19+20	1420.15
SEWAGE DISPOSAL PLANT RD. STA. 0+25 TO STA. 3+90	365.00
BAGLEY ROAD STA. 4+45 TO STA. 32+40	2795.00
SHELDON ROAD STA. 40+55.72 TO STA. 57+85	1729.28
BENEDICT DR. CONN. & DRAINAGE DITCH	
STA. 7+00 TO STA. 29+86	2286.00
BENEDICT DRIVE STA. 44+52.5 TO STA. 48+90	437.50
ADD FOR WORK	
STA. 51+08 TO STA. 57+39.31	631.31
TOTAL LENGTH OF WORK	26,149.24 LIN. FT. OR 4.952 MI.



LOCATION MAP



The following sheets were revised: 13 and 240
1-20-65 C.E.H.

PLAN	1" = 50'
PROFILE HORIZONTAL	1" = 50'
PROFILE VERTICAL	1" = 5'
CROSS SECTIONS	1" = 10'

SUPPLEMENTAL SPECIFICATIONS				STANDARD CONSTRUCTION DRAWINGS									
NUMBER	DATE	NUMBER	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE
CE-101.04	5-22-56	L-120	R12-62	FACT-1	2-25-64	HW No. 2	8-1-63	I-8 C.B No. 6	2-1-63	I-15 No. 5-B	2-1-63	AS-1-54	7-5-62
		I-212	R6-23-61	FACT-2	2-25-64	HW No. 3	8-1-63	I-8 C.B No. 8	2-1-63	I-15 No. 6	2-1-63	AR-1-57	4-2-62
		I-129	R4-5-61	B-T-70-71	11-15-60	HW-E	2-1-63	I-8 I No. 1	2-1-63	I-21-23	8-1-58	FSB-1-62	1-15-63
		M-106.11	1-26-61	B-T-71-R	3-2-53	SP-53	6-30-61	I-8 MH No. 1	2-1-63	RI-1	7-15-58	SD-1-63	11-12-63
		M-107.18	1-4-61	DR-1	1-3-55	I-1	11-15-60	I-8 MH No. 1A	2-1-63	L-1	4-1-50		
		I-125	R626-61	F-1	2-1-63	I-8 C.B 2-2A 8B	2-1-63	I-8 MH No. 2	2-1-63	L-3	4-1-50		
		S-307	8-23-60	F-3	2-1-63	I-8 C.B No. 3-A	2-1-63	I-12	2-1-63	L-3-A	4-1-50		
		T-335	10-28-63	G-707	4-1-64	I-8 C.B No. 4	2-1-63	I-15 No. 1	11-15-60	L-J No. 1	7-1-55		
		I-127	1-15-62	HW No. 1	8-1-63	I-8 C.B No. 5	2-1-63	I-15 No. 2-A	8-17-60	T-35	1-2-56		
		S-101	7-12-62	I-8 I No. 2-A	2-1-63					T-J	9-12-60		

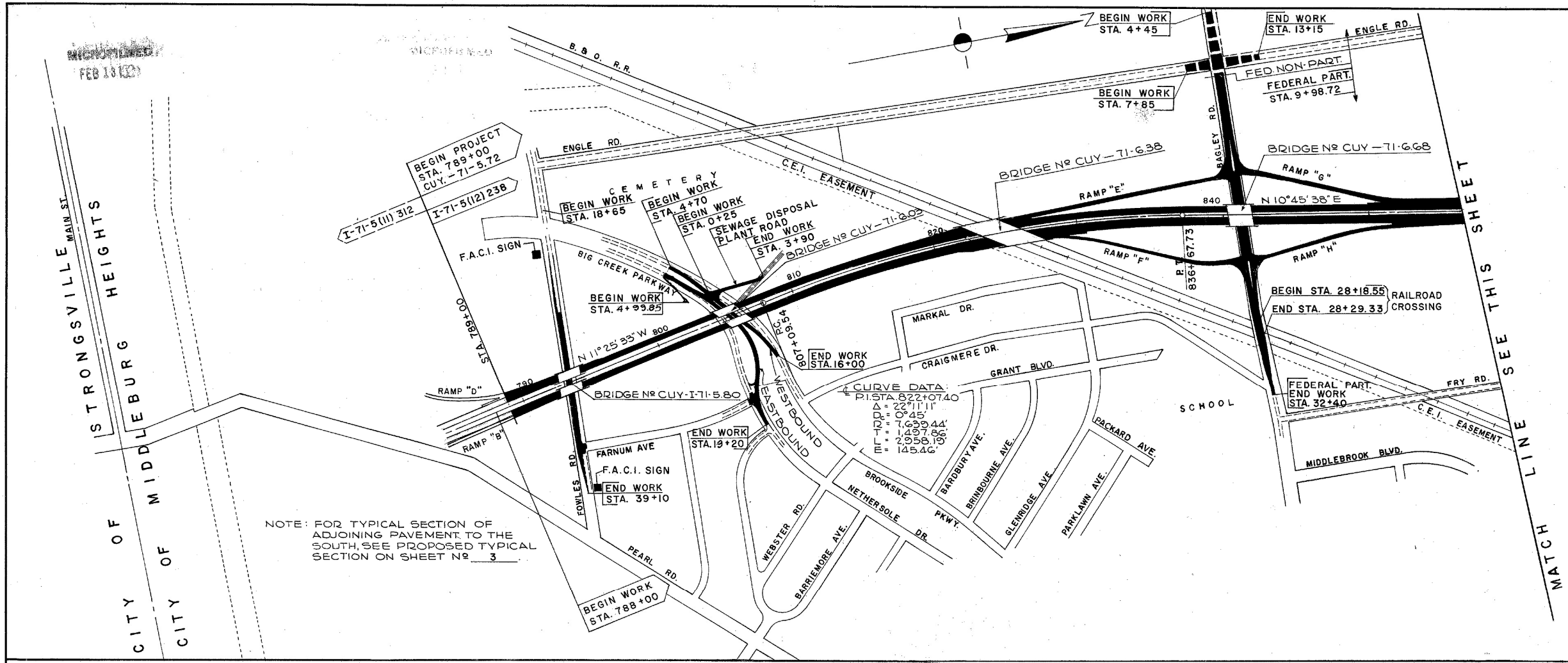
FILE NO.	CUYAHOGA COUNTY CUY-71-5.72
DATE OF LETTING	196
CONTRACT NO.	

PLANS PREPARED BY
PACE ASSOCIATES OF OHIO
CONSULTING ENGINEERS
CLEVELAND, OHIO

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED _____
DIVISION ENGINEER

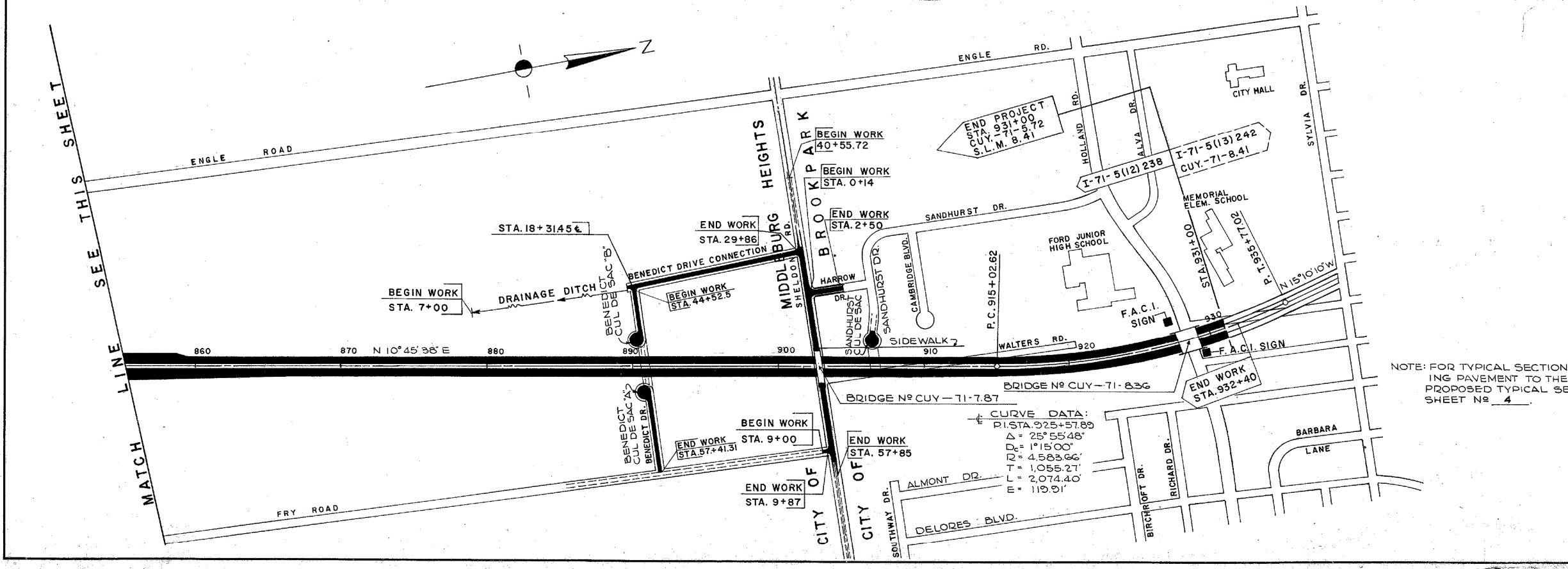
DATE _____



NOTE: FOR TYPICAL SECTION OF ADJOINING PAVEMENT TO THE SOUTH, SEE PROPOSED TYPICAL SECTION ON SHEET NO. 3.

I-127 DELINEATORS																					
STATION TO	STATION	SIDE	INTERVAL	A-1			C-2			C-3											
				POST	BRACKET	POST	BRACKET	POST	BRACKET	POST	BRACKET	POST									
MAIN LINE																					
N.B.	795+70	—	—																		
	796+75	820+75	200'	12	1																
	831+00	839+00	200'	5																	
	841+00	—	—																		
	843+00	849+00	200'	4																	
	861+50	—	—																		
	863+00	927+00	200'	33																	
	929+00	—	—																		
	931+00	—	—																		
S.B.	798+00	814+00	200'	9																	
	815+00	—	—																		
	827+00	839+00	200'	7																	
	841+00	—	—																		
	843+00	849+00	200'	4																	
	860+00	926+00	200'	34																	
	928+00	—	—																		
	930+00	—	—																		
I-71 & PEARL RD.																					
RAMP "B"	790+70	791+70	RT.	100'						2											
	792+70	793+70	RT.	100'							2										
	794+70	—	RT.	—								1									
RAMP "D"	789+75	791+75	RT.	100'									3								
	792+75	793+75	RT.	100'										2							
	794+75	796+75	RT.	100'											3						
I-71 & BAGLEY RD.																					
RAMP "F"	821+85	823+85	RT.	100'										3							
	824+85	825+85	RT.	100'											2						
	10+35	12+75	RT.	80'											4						
	13+55	—	RT. & LT.	—											2						
	14+35	15+15	LT.	80'											2						
	16+15	—	LT.	—											1						
	17+15	—	LT. & RT.	—											2						
	18+15	20+15	RT.	100'											3						
	20+95	—	RT.	—											1						
	21+45	22+95	RT.	50'											4						
	23+75	—	RT.	—											1						
RAMP "H"	1+00	11+00	RT.	100'												11					
	852+50	860+50	RT.	100'												9					
RAMP "G"	859+00	853+00	RT.	100'												7					
	11+60	12+40	RT.	80'												2					
	13+20	—	RT. & LT.	—												2					
	14+00	15+00	LT.	100'												2					
	16+00	—	LT. & RT.	—												2					
	17+00	20+00	RT.	100'												4					
	20+80	23+80	RT.	50'												7					
RAMP "E"	1+15	15+15	RT.	100'												15					
	824+00	822+00	RT.	100'												3					
	821+00	816+00	RT.	100'												6					
TOTALS																110	5	99	9	3	

FEDERAL NON-PARTICIPATING ITEMS.
FEDERAL FUNDS WILL NOT PARTICIPATE IN THE FOLLOWING ITEMS OF WORK ON THIS PROJECT:
(1) INTERSECTION OF BAGLEY AND ENGLE ROADS (SEE DETAIL SHEETS, INCLUDING WATER ITEMS)
(2) 18" SANITARY SEWER FOR FUTURE USE.

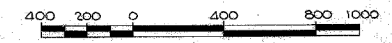


NOTE: FOR TYPICAL SECTION OF ADJOINING PAVEMENT TO THE NORTH, SEE PROPOSED TYPICAL SECTION ON SHEET NO. 4.

PACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

SCHEMATIC PLAN

SCALE: 1" = 400'



DESIGNED	DRAWN	CHECKED	DATE

T.B.M. No. 1
CHISEL POINT
CORNER OF
IN FRONT OF
#11200 LT. STA.
194+30 ON
FOWLES ROAD.

BEGIN PROJECT
I-71 STA. 789+00
S.L.M. 5.72
I-71-5 (12) 238

FOR DETAILS ON CULVERT
D-1 SEE SHT. 198

FOR PROFILE OF
STORM SEWER D-2,
D-3, D-4 SEE
SHEET 183

FOR DETAILS OF
STRUCTURE NO. CUY-71-580
SEE SHEETS 257 TO 270

FOR DETAILS ON
FOWLES ROAD SEE SHEETS 43 TO 44

CUYAHOGA COUNTY
CUY-71-5.72

DRAINAGE

REF. NO.	STATION	SIDE	I-1		I-8		I-2		L-120		E-12	
			6" PIPE CLASS J-1	12" PIPE CLASS J-1	STD. CATCH BASIN	STD. M.H.	MASONRY	JUTE MATTING	PIPE REMOVAL UNDER 15'			
FROM TO		LIN. FT.		EACH		C.Y.		S.Y.				
D-1	790+10	RT					8					
D-2	790+88	LT	300 *								300 *	
D-3	792+19	LT		130								
D-4	794+95	RT			116		0.23					
D-5	795+45	RT					1			63		
D-6	789+50	LT		305								
D-7	789+50	RT		265								
D-8	794+68	LT		432								
D-9	794+30	RT		470								
D-10	790+88	LT						1 *				
D-11	791+07	LT						1 *				
D-12	791+12	LT								84		
TOTAL			300 *	1472	130	116	2	2 *	8.23	147	300 *	

REF. NO.	STATION	SIDE	I-1		I-2		E-3		L-10		SPECIAL	
			27" PIPE CLASS J-1	MASONRY	CHANNEL EXCAVATION	SODDING	SOD FOR SPECIAL BERM AND SLOPE PROTECTION	DRILLED WELLS ABANDON				
FROM TO		L.F.		C.Y.		C.Y.		S.Y.		EA.		
D-1	790+10	RT	238	SEE ABOVE		19	7.5					
D-13	794+61	LT							21			
D-14	794+20	RT							35			
W-1	795+33	LT								1		
D-15	792+60	LT							34			
D-16	792+30	RT							34			
TOTALS			238			19	7.5		124	1		

* CODE Y060

AS PER PLAN

NOTE: THE PROPOSED DITCHES TO MEET THOSE OF THE ADJOINING PROJECT.

FOR GUARD RAIL DETAIL FOR SIGN PROTECTION SEE SIGNING PLANS

NOTE: PROPOSED TYPICAL SECTION OF ADJOINING PROJECT SAME AS SHOWN FOR THIS PROJECT ON SHEET 244

FOR SIGN PLAN SEE SHEET 244

BEGIN SHEET STA. 789+00

END SHEET STA. 799+00



DRAINAGE				
REF. NO.	STATION		SIDE	6" PIPE CLASS I-3
	FROM	TO		
D-17	789+50	792+48	M.	298
D-18	789+50	792+32	M.	282
D-19	794+55	799+00	M.	445
D-20	794+38	799+00	M.	462
TOTAL				1487

ITEM I-15 GUARD RAIL LIN. FT.					
REF. NO.	STATION		SIDE	STEEL BEAM (DEEP)	
	FROM	TO		STANDARD	BARRIER
GR-1	789+27	792+37	RT.	300	
GR-2	790+25	791+25	M.		100
GR-3	791+25	792+38	M.	112.5	
GR-4	794+19	794+69	RT.	50	
GR-5	88+98	92+68	LT.	369	
GR-6	794+42	795+55	M.	112.5	
GR-7	795+55	796+55	M.		100
GR-8	794+59.5	799+00	LT.	440.5	
GR-9	790+72	791+22	LT.		50
TOTAL				1384.5	200

PROPOSED STRUCTURE NO. CUY-71-0580
 TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
 SPANS: 45'-5" - 64'-10" - 45'-5" % BEARINGS
 ROADWAY: S.B. 62', N.B. VARIES 53.50' TO 56.44' % PARAPET LOAD FREQUENCY: C.F. 2000 (57)
 ADEQUATE FOR AASHO ALTERNATE LOADING
 SKEW: 13° 40' 17" LT. FORWARD
 WEARING SURFACE: 1" MONOLITHIC CONCRETE
 APPROACH SLAB: AS-1-54 (25' LONG)
 ALIGNMENT: TANGENT

PLAN & PROFILE — STA. 789+00 TO STA. 799+00

(D) DRAINAGE

REF. NO.	STATION	SIDE	I-1							I-2	I-5			
			8" PIPE CLASS E-1	12" PIPE CLASS E-1	12" PIPE CLASS J-1	12" PIPE CLASS F-4	15" PIPE CLASS E-1	24" PIPE CLASS F-4	24" PIPE CLASS I-1					
FROM TO		LIN. FT.							C.Y.					
D-2	800+43	802+00	RT.	158										
D-4	802+00	804+10	RT.						210					
D-6	804+10	805+05	RT.						95					
D-9	805+00	805+05	RT.		14									
D-11	801+50	802+00	RT.			124								
D-13	804+10	804+10	RT.			112								
D-15	802+00	803+95	LT.				195							
D-17	803+95	808+74	LT.				58							
D-18	807+00	807+00	LT.		93	31				0.23	2			
D-27	805+05	805+57	RT.						66					
D-28	2+80 S.D.P. ACCESS ROAD								34	3.40				
TOTAL				158	14	329	31	195	58	34	305	66	3.63	2

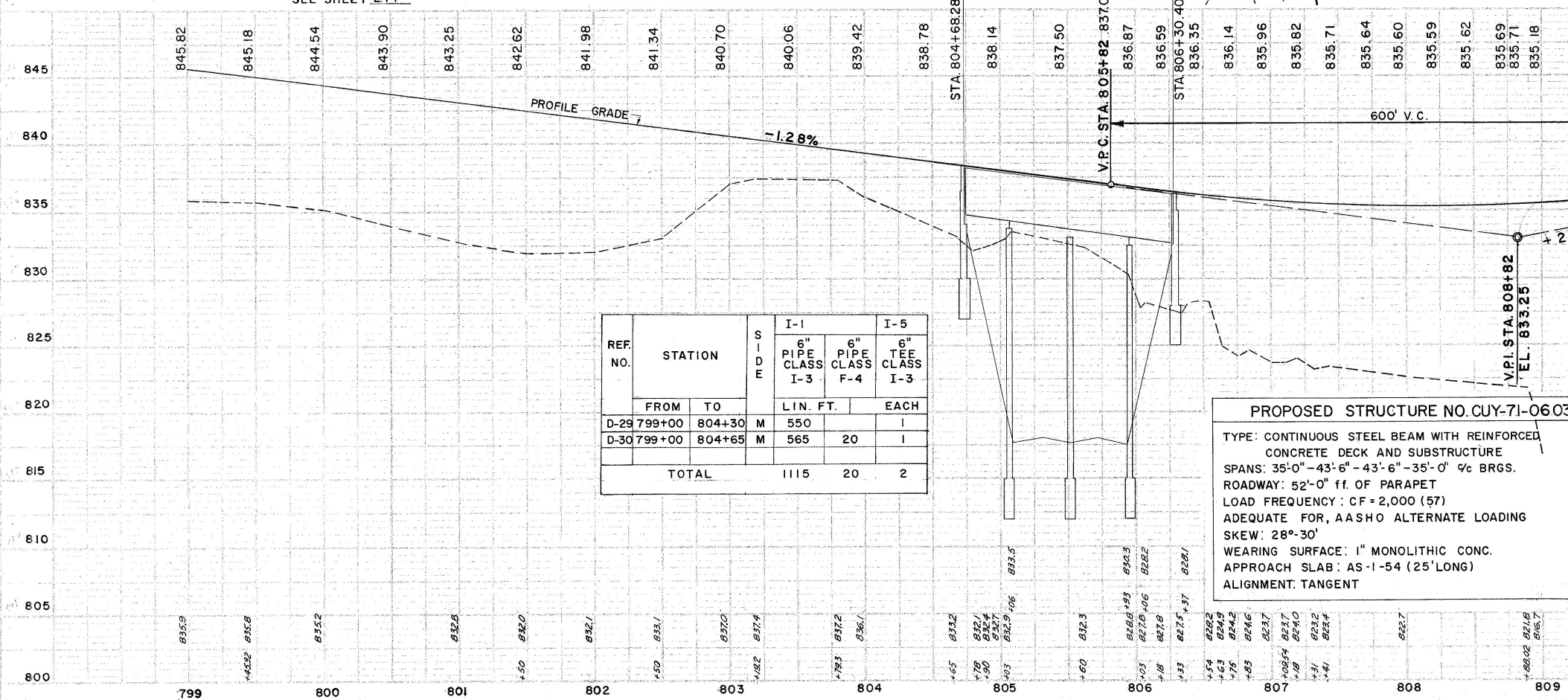
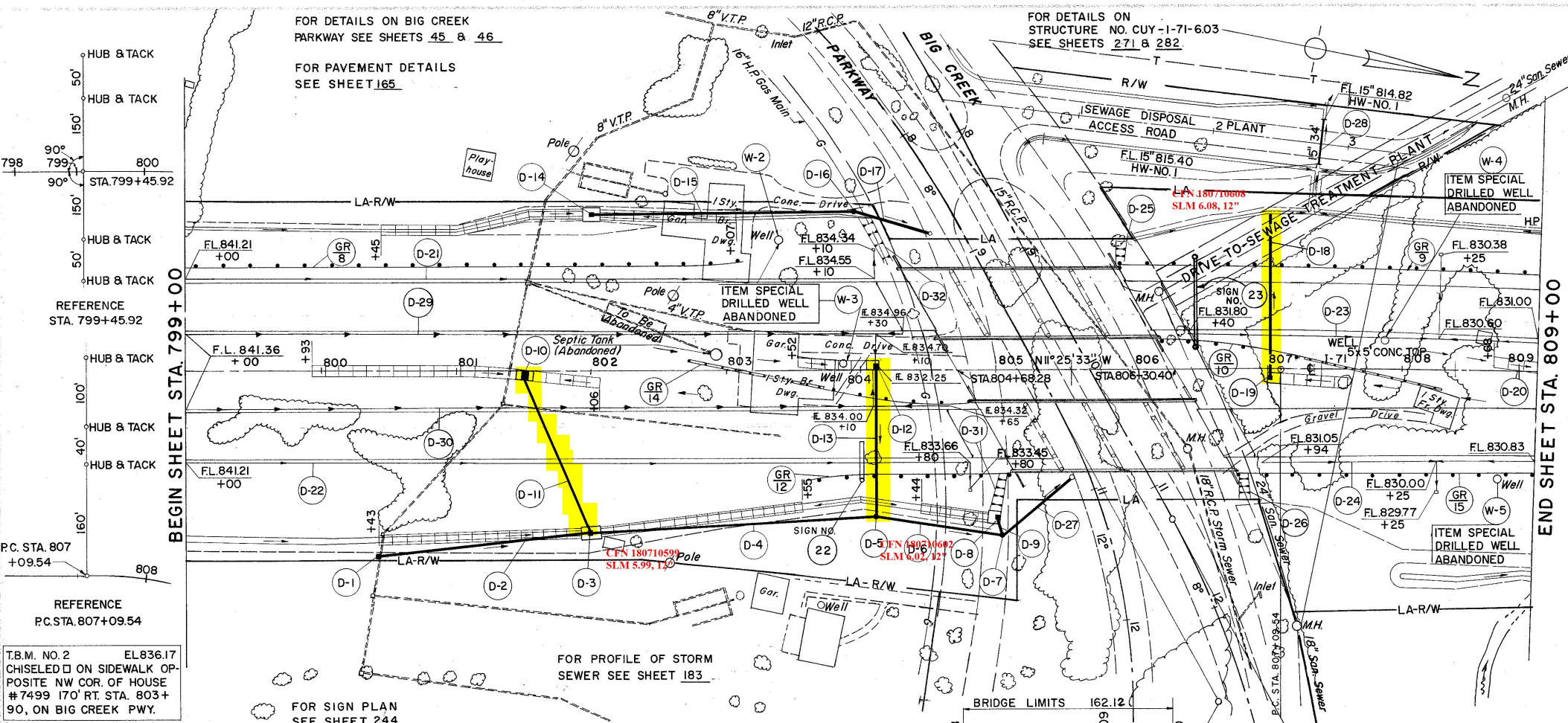
REF. NO.	STATION	SIDE	I-5					
			6" PIPE CLASS J-1 SEC. M-6.6(b) M-2.5(M 6.8(b))	6" PIPE CLASS I-3	6" PIPE CLASS F-4	6" x 90° BEND CLASS I-3	6" x 6" TEE CLASS I-3	
FROM TO		LIN. FT.						
D-21	799+00	804+10	LT.	520	10	1		
D-22	799+00	804+80	RT.	590	20	1		
D-23	806+36	809+00	LT.	42	276	10		1
D-24	806+94	809+00	RT.		219	10		1
TOTAL				42	1605	50	2	2

REF. NO.	STATION	SIDE	I-8				L-120	L-10	I-8	
			STD. NO. 1 MANHOLE	STD. NO. 4 CATCH BASIN	STD. NO. 5 CATCH BASIN	STD. NO. 8 CATCH BASIN				
FROM TO		EACH				S.Y.	S.Y.	EACH		
D-1	800+43	803+55	RT.					1		
D-3	800+43	803+55	RT.				256			
D-5	804+10	805+05	RT.	1						
D-7	805+05	805+00	RT.							
D-8	804+44	805+00	RT.				43			
D-10	799+98	802+06	RT.				170			
D-12	803+52	804+10	RT.				43			
D-14	800+45	803+07	LT.				208			
D-16	803+95	807+00	LT.					43		
D-19	807+00	807+58	LT.					27		
D-20	808+68	809+00	LT.					13		
D-25	805+91		LT.					23		
D-26	806+80		RT.					20		
D-31	805+05		RT.					30		
D-32	804+10		LT.					1		
TOTAL				3	1	3	2	790	86	1

ROADWAY				DRAINAGE			
ITEM NO.	STATION	SIDE	LIN. FT.	REF. NO.	EA.		
GR-8	799+00	803+095	LT.	409.5	W-2	803+32, 105' LT.	1
GR-9	805+91.5	809+00	LT.	311	W-3	803+89, 4' LT.	1
GR-10	806+13.5	808+85	M.	112.5	W-4	807+76, 24' LT.	1
					W-5	808+75, 80' RT.	1
GR-12	803+33	805+08	RT.	175	TOTAL		4
GR-14	802+74	804+865	M.	112.5			
GR-15	806+73	809+00	RT.	225			
TOTAL				1170.5			

ITEM	STATION	SIDE	LIN. FT.	REF. NO.	EA.		
GR-8	799+00	803+095	LT.	409.5	W-2	803+32, 105' LT.	1
GR-9	805+91.5	809+00	LT.	311	W-3	803+89, 4' LT.	1
GR-10	806+13.5	808+85	M.	112.5	W-4	807+76, 24' LT.	1
					W-5	808+75, 80' RT.	1
TOTAL				1170.5			4

* AS PER PLAN



PROPOSED STRUCTURE NO. CUY-71-0603

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
 SPANS: 35'-0" - 43'-6" - 43'-6" - 35'-0" 9% BRGS.
 ROADWAY: 52'-0" ff. OF PARAPET
 LOAD FREQUENCY: CF = 2,000 (57)
 ADEQUATE FOR, AASHO ALTERNATE LOADING
 SKEW: 28°-30'
 WEARING SURFACE: 1" MONOLITHIC CONC.
 APPROACH SLAB: AS-1-54 (25' LONG)
 ALIGNMENT: TANGENT

REF. NO.	STATION	SIDE	I-1		I-5	
			6" PIPE CLASS I-3	6" PIPE CLASS F-4		
FROM TO		LIN. FT.		EACH		
D-29	799+00	804+30	M	550	1	
D-30	799+00	804+65	M	565	20	1
TOTAL			1115	20	2	

T.B.M. NO. 2 EL. 836.17
 CHISELED D ON SIDEWALK OPPOSITE NW COR. OF HOUSE #7499 170' RT. STA. 803+90, ON BIG CREEK PWY.

FOR DETAILS ON BIG CREEK PARKWAY SEE SHEETS 45 & 46
 FOR PAVEMENT DETAILS SEE SHEET 165

FOR DETAILS ON STRUCTURE NO. CUY-1-71-6.03 SEE SHEETS 271 & 282

FOR PROFILE OF STORM SEWER SEE SHEET 183

FOR SIGN PLAN SEE SHEET 244

FOR DETAILS ON CULVERT D-1
SEE SHEET 199

FOR PAVEMENT DETAILS
SEE SHEET 165

FOR DETAILS ON CULVERT D-2
SEE SHEET 200

ROADWAY					
REF. NO.	STATION	TO	SIDE	STEEL BEAM (DEEP)	
	FROM			STANDARD	BARRIER
GR-15	809+00	819+00	RT.	991	-
GR-9	809+00	819+00	LT.	1009	-
GR-10	817+00	819+00	M	-	200
TOTAL				2000	200

FOR PROFILE OF STORM SEWER D-14, D-10, D-13
SEE SHEET 184

FED. RD. DIVISION 2	STATE OHIO	PROJECT	FISCAL YEAR
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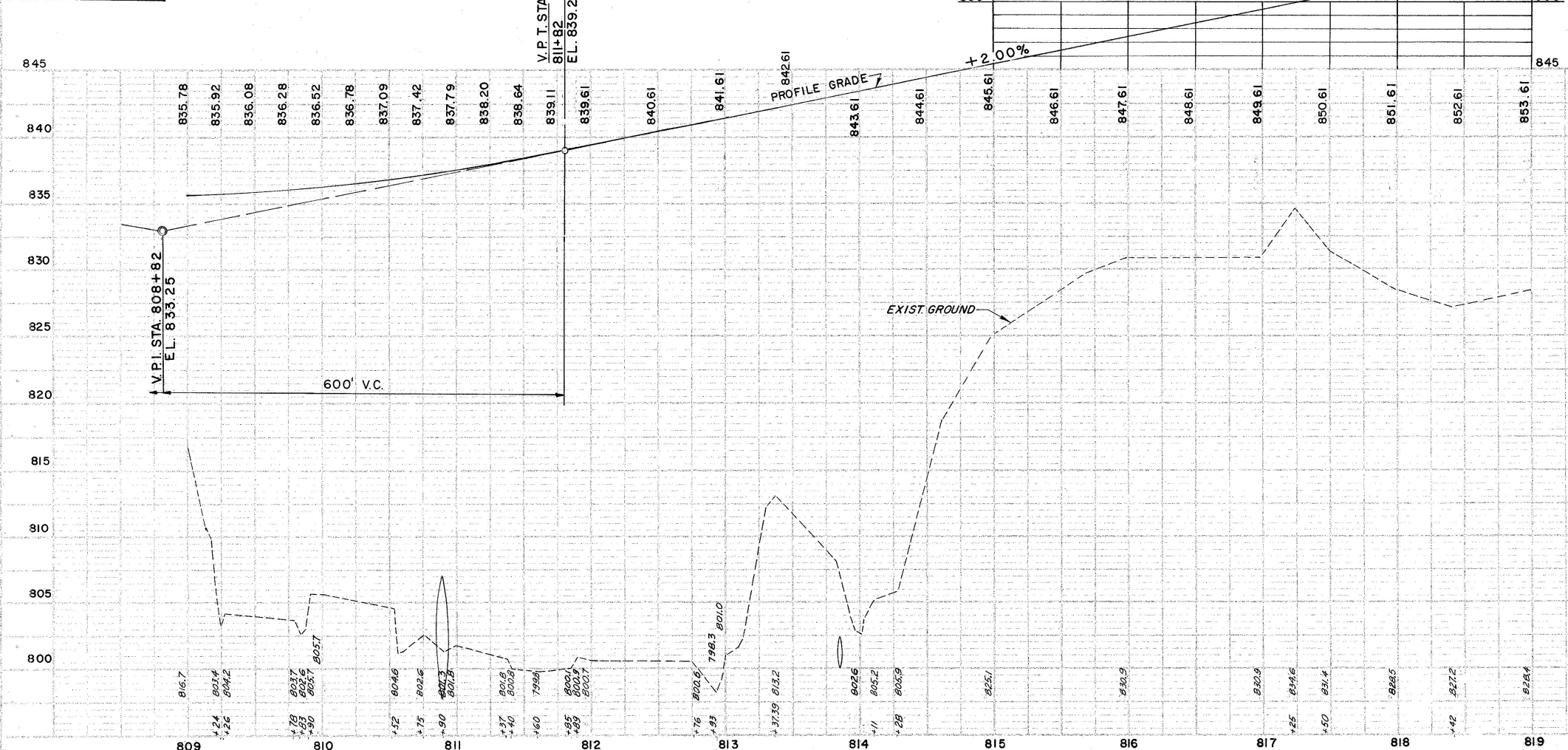
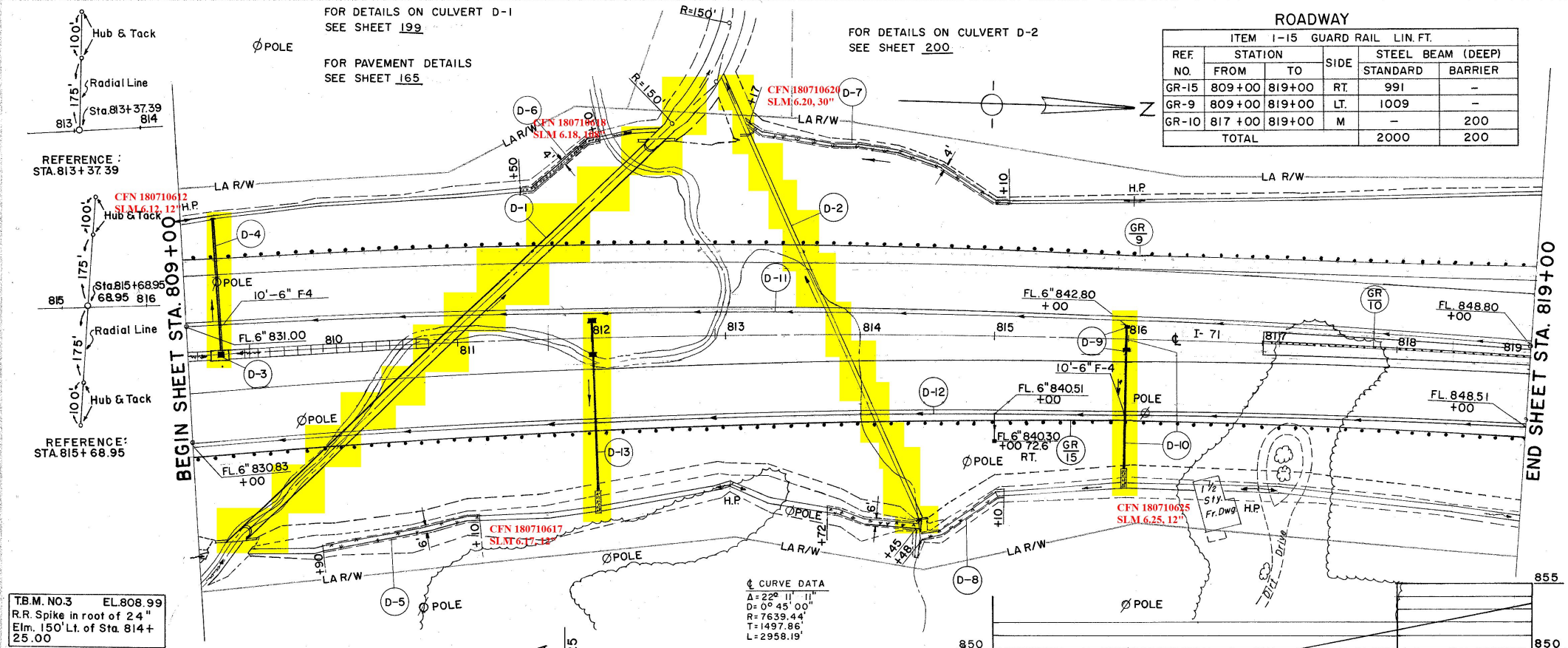
CUYAHOGA COUNTY
CUY-71-5.72

26
353

DRAINAGE

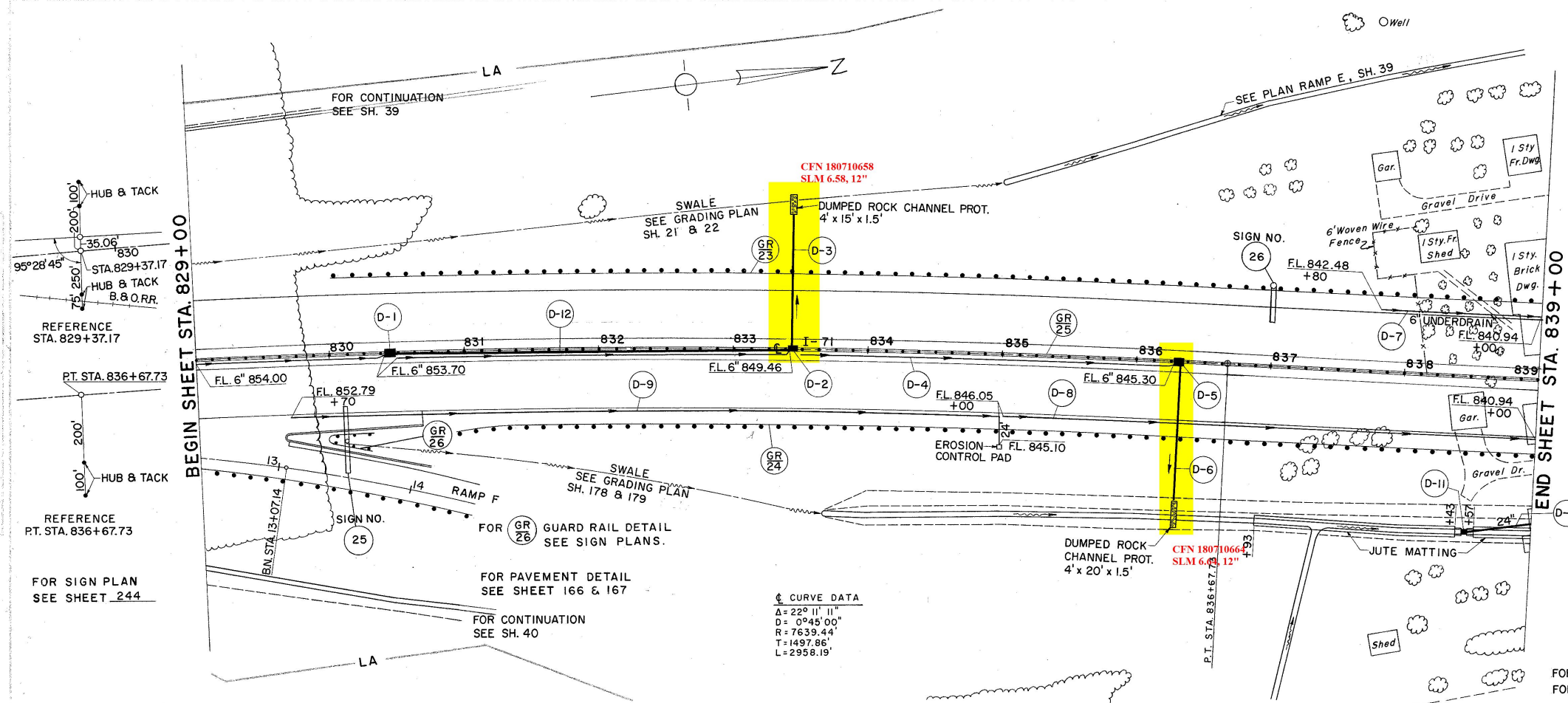
REF. NO.	STATION	SIDE	DRAINAGE																
			I-1		I-5		I-8		I-2		I-10		L-10		L-120		I-8		
			6" PIPE CLASS I-3	6" PIPE CLASS F-4	12" PIPE CLASS J-1	12" PIPE CLASS F-4	6"x90" BENDS I-3	12"x25" BENDS F-4	STD-8 CATCH BASIN	MASONRY	DUMPED ROCK	SODDING	JUTE MATTING	STD-2-A-8 PAVED SHLD INLET	INLET				
D-3	809+00	810+80	CL															142	
D-4	809+24	DITCH	LT		80	28		2			0.23								
D-5	809+90	811+10	RT.															80	
D-6	811+50	812+10	LT															32	
D-7	813+17	815+10	LT															94	
D-8	813+72	815+10	RT.															95	
D-9	816+00		CL																
D-10	816+00	DITCH	RT.			71	31		2		0.23	3.2						1	
D-11	809+00	819+00	LT.	1000	20														
D-12	809+00	819+00	RT.	1000	20														
D-13	812+00	DITCH	RT.			80	43		2		0.23	3.2						142	
TOTAL				2000	40	231	102		2	6	1	0.69	6.4				304	284	4

REF. NO.	STATION	SIDE	DRAINAGE									
			I-1		I-10		E-3		I-2		L-10	
			30" PIPE CLASS A-1 M-6.4(d) GAGE 10	12" PIPE CLASS J-1 GAGE 10	RIP-RAP 6" R.C. SLAB	DUMPED ROCK	CHANNEL EXC.	MASONRY	SOD			
D-1	809+23	812+515	LT.&RT.		436	70	74	590	22	35		
D-2	813+19	814+65	LT.&RT.		317			81	7.6	4		
TOTAL					317	436	70	74	671	29.6	39	



PLAN & PROFILE- STA. 809+00 TO STA. 819+00

CUYAHOGA COUNTY
CUY-71-5.72



(D) DRAINAGE

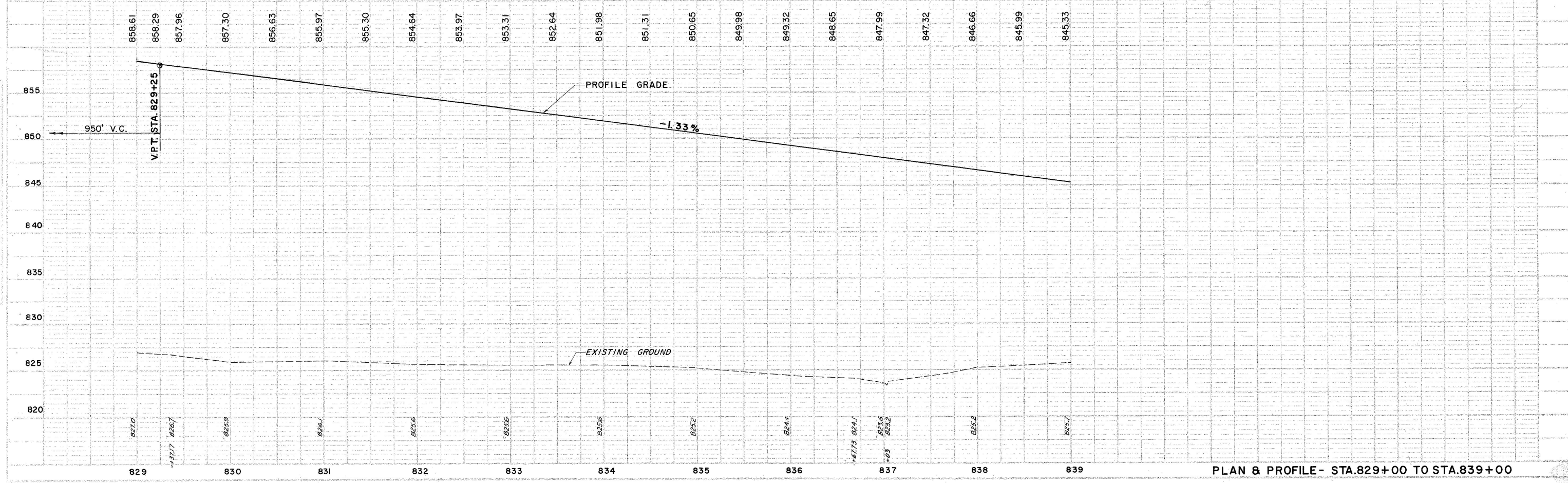
REF. NO.	STATION	ITEM I-1										I-2	I-1	I-5	I-8	I-10	L-10	L-120
		6" PIPE, CLASS J-1 SEC. M-6.6(b), M-6.8(b) OR M-6.5 (b) SHALLOW	6" PIPE, CLASS I-3 SHALLOW	6" PIPE, CLASS F-4 SHALLOW	12" PIPE, CLASS J-1 SHALLOW	12" PIPE, CLASS F-4 SHALLOW	24" PIPE, CLASS E-1	MASONRY	12" PIPE, CLASS E-1	6" - 90° BENDS CLASS I-3	12" - 25° BENDS CLASS F-4							
FROM	TO	L.F.	L.F.	L.F.	L.F.	L.F.	C.Y.	L.F.	EA.	EA.	EA.	EA.	EA.	C.Y.	S.Y.	S.Y.		
D-1	830+45																	
D-2	833+45																	
D-3	833+45	DITCH	LT.															
D-4	829+00	836+45		729		60	38	0.3			2				3.4	1.5		
D-5	836+45																	
D-6	836+45	DITCH	RT.			60	43	0.3			2				4.5	1.5		
D-7	837+80	839+00	LT.															
D-8	835+00	839+00	RT.			390	10											
D-9	829+70	835+00	RT.	100	444	10												
D-10	838+50	839+00	RT.								50							
D-11	838+50	118' RT.																
D-12	830+45	833+45									300							
TOTALS				100	1683	20	120	81	50	0.6	300	1	4	1	2	7.9	3.0	153

ROADWAY

REF. NO.	STATION	GUARD RAIL	STEEL BEAM (DEEP)
GR-23	830+04	839+00	LT. 902
GR-24	830+98.5	839+00	RT. 797.5
GR-25	829+00	839+00	M 1000
GR-26	830+03	830+28	RT. 50
TOTAL			1699.0

*AS PER PLAN

FOR DETAILS OF D-3 AND D-6 SEE SH. 184
FOR DETAILS OF D-10 SEE SH. 193



PLAN & PROFILE - STA. 829+00 TO STA. 839+00

FOR DETAILS ON STRUCTURE NO. CUY-I-71-6.68
SEE SHEETS 301 TO 310

FOR CONTINUATION SEE
RAMP G SH. 41

FOR DETAILS ON BAGLEY ROAD
SEE SHEETS 47 TO 48

FOR CONTINUATION SEE
RAMP H SH. 42

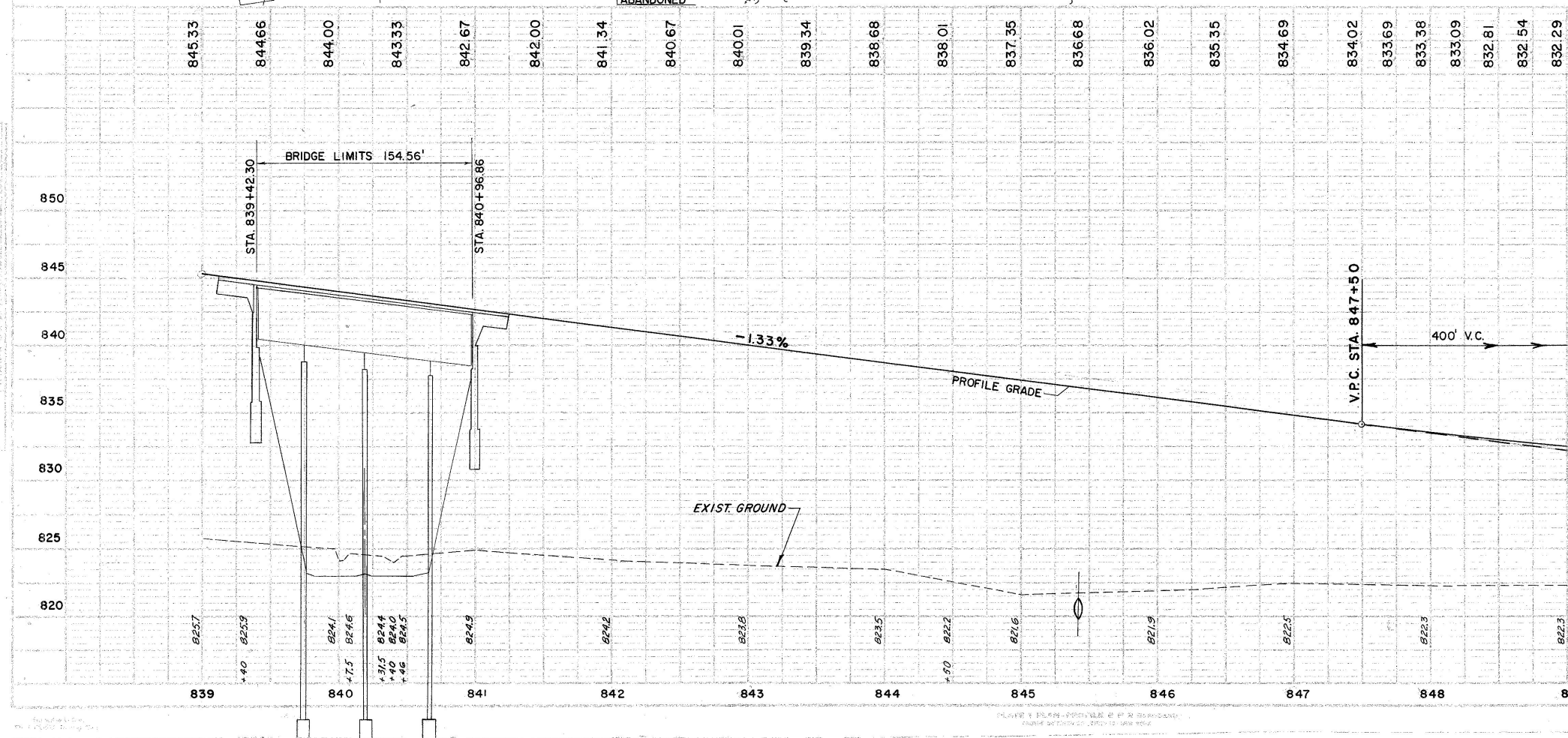
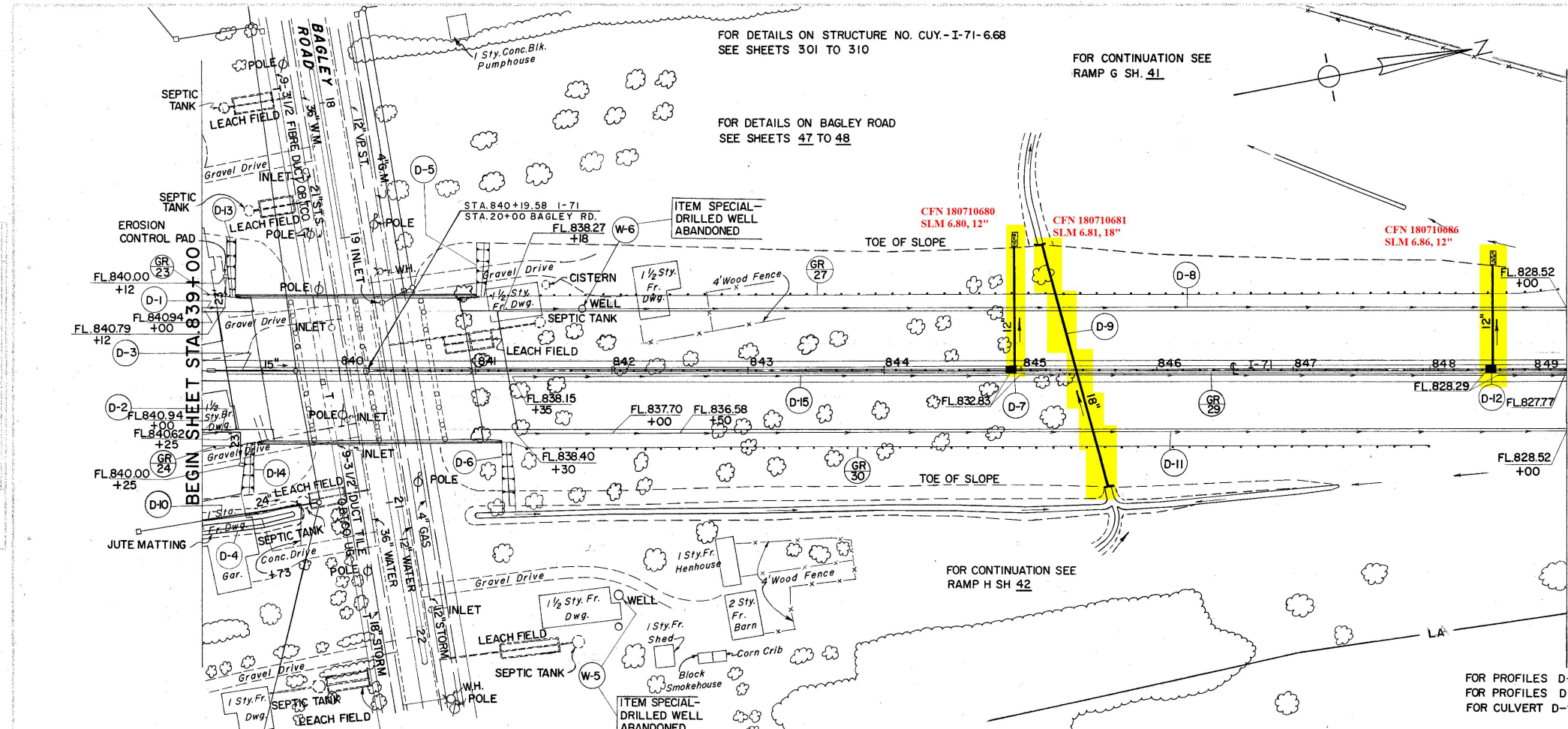
FOR PROFILES D-3 & D-10 SEE SH. 193
FOR PROFILES D-7 & D-12 SEE SH. 185
FOR CULVERT D-9 DETAILS SEE SH. 201

DRAINAGE

REF. NO.	STATION	FROM	TO	MATERIAL	ITEM I-1															
					6" PIPE CLASS I-3 SHALLOW	6" PIPE CLASS F-4 SHALLOW	12" PIPE CLASS J-1	12" PIPE CLASS F-4	15" PIPE CLASS F-4	18" PIPE CLASS A-1 SEC. M-66(C)	24" PIPE CLASS E-1	MASONRY	6"-90° BENDS CLASS I-3	12"-25° BENDS CLASS F-4	STD. 2'-A-8 PAVED SHOULDER INLET	MOD. 2'-A-8 PAVED SHOULDER INLET	DUMPED ROCK CHANNEL PROT.	SODDING	JUTE MATTING	CHANNEL EXCAV.
D-1	839+00	839+12	LT.	25																
D-2	839+00	839+25	RT.	38																
D-3	839+12	839+68	C.																	
D-4	839+00	839+73	RT.																	
D-12	848+45	DITCH	LT.																	
D-15	841+35	849+00	MD.	849																
D-7	844+85	DITCH	LT.																	
D-8	841+18	849+00	LT.	772	20															
D-9	845+40		C.																	
D-10	839+00	839+85	RT.																	
D-11	841+30	849+00	RT.	710	20															
D-14	839+30		LT.																	
TOTALS				2394	60	138	28	55	187	85	406	2	2	1	2	46	11	61	4	2

REF. NO.	STATION	FROM	TO	MATERIAL	L-10	
					STANDARD	BARRIER
D-5	841+10			LT.	40	
D-6	841+25			RT.	50	
D-13	839+15			LT.	50	
D-14	839+30			RT.	40	
TOTAL					180	

REF. NO.	STATION	FROM	TO	SLOPE	L-10	
					STANDARD	BARRIER
GR-23	839+00	839+23	LT.	23		
GR-24	839+00	839+40	RT.	40		
GR-27	841+00	849+00	LT.	800		
GR-29	839+00	849+00	M			845.5
GR-30	842+18.5	848+06	RT.	587.5		
TOTAL					1450.5	845.5



STRUCTURE NO. CUY-71-0668
 TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
 SPANS: 31'-0" - 44'-0" - 31'-0"
 ROADWAY: 108'-0" F/F OF PARAPETS 1'-0" CURBS
 LOAD FREQUENCY: C.F. = 2000 (57), ADEQUATE FOR A.A.S.H.O. ALTERNATE LOADING
 SKEW: 9°07'38"
 WEARING SURFACE: 1" MONOLITHIC CONCRETE
 APPROACH SLAB: AS-1-54 (25' LONG)
 ALIGNMENT: TANGENT

PLAN & PROFILE - STA. 839+00 TO STA. 849+00

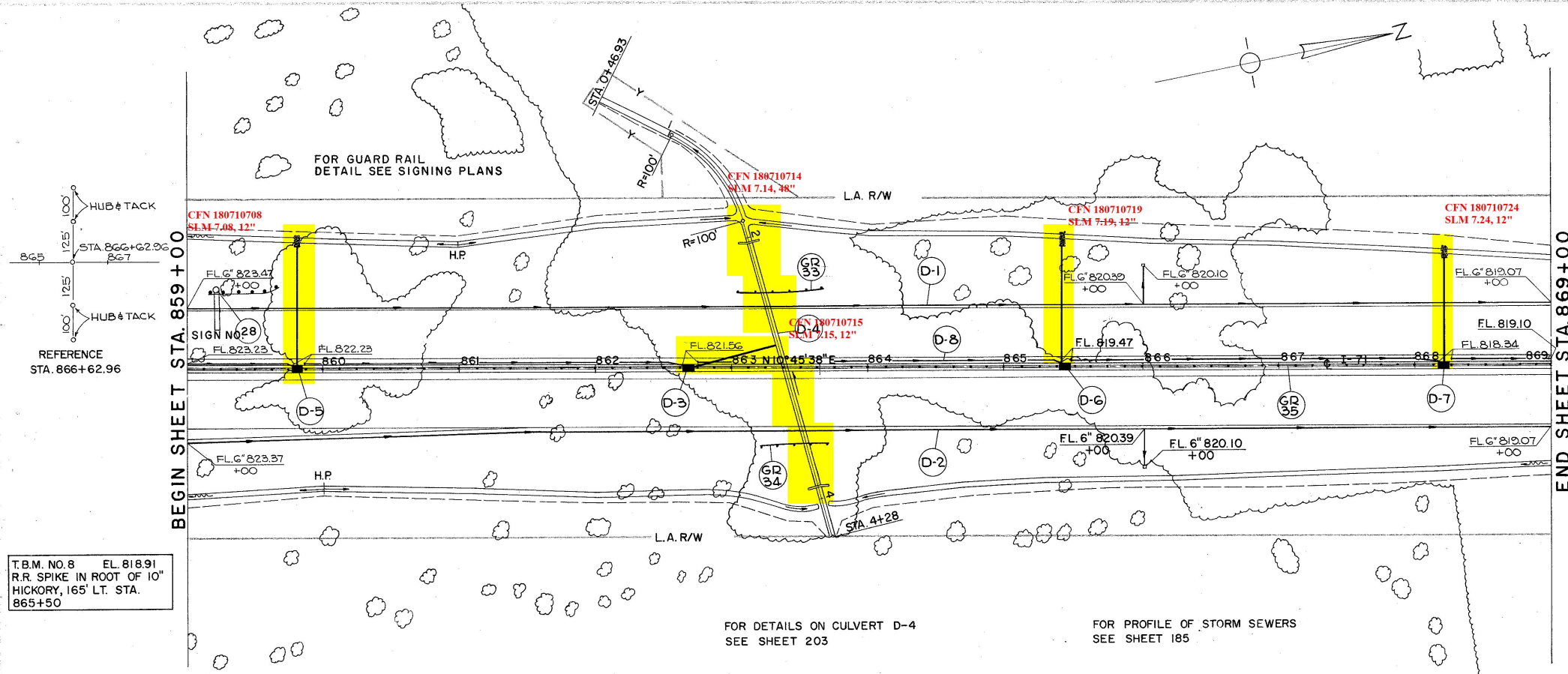
CUYAHOGA COUNTY
CUY-71-5.72

④ DRAINAGE

REF. NO.	STATION	S	D	M	I-1		I-2	I-5	I-8	I-10	L-10	E-3					
					6" PIPE CLASS I-3 SHALLOW	6" PIPE CLASS F-4 SHALLOW	12" PIPE CLASS J-1	48" PIPE CLASS A-1 SEC. 116(6B)	MASONRY	6" x 90" BEND CLASS I-3	48 X 12 TEE CLASS I-3	48 X 12 TEE CLASS I-3	PAVED SHOULDER INLET	RIP-RAP R.C. 6" SLAB DUMPED ROCK CHNL PROT.	SODDING	CHANNEL EXC.	
FROM	TO				LIN. FT.		C.Y.	EACH	EACH	S.Y.	C.Y.	S.Y.	C.Y.				
D-1	859+00	869+00	LT.		1018	50											
D-2	859+00	869+00	RT.		1018	10											
D-3	862+70	863+35	¢			64											
D-4	863+38						188	174			22	8.5	33				
D-5	859+80	DITCH	LT.			92		0.23				1.8					
D-6	865+45	DITCH	LT.			90		0.23				1.8					
D-7	868+20	DITCH	LT.			80		0.23				1.8					
D-8	859+00	869+00	M		976												
TOTAL						3012	60	326	188	1809	2	1	4	22	139	36	62

ROADWAY

REF. NO.	STATION	GUARD RAIL	SIDE	LIN. FT.	
				STEEL BEAM STANDARD	(DEEP) BARRIER
GR 33	863+04	863+665	LT.	62.5	
GR 34	863+085	863+71	RT.	62.5	
GR 35	859+00	869+00	M		1000
GR 36	859+20	859+70	L		50
TOTAL				125	1000

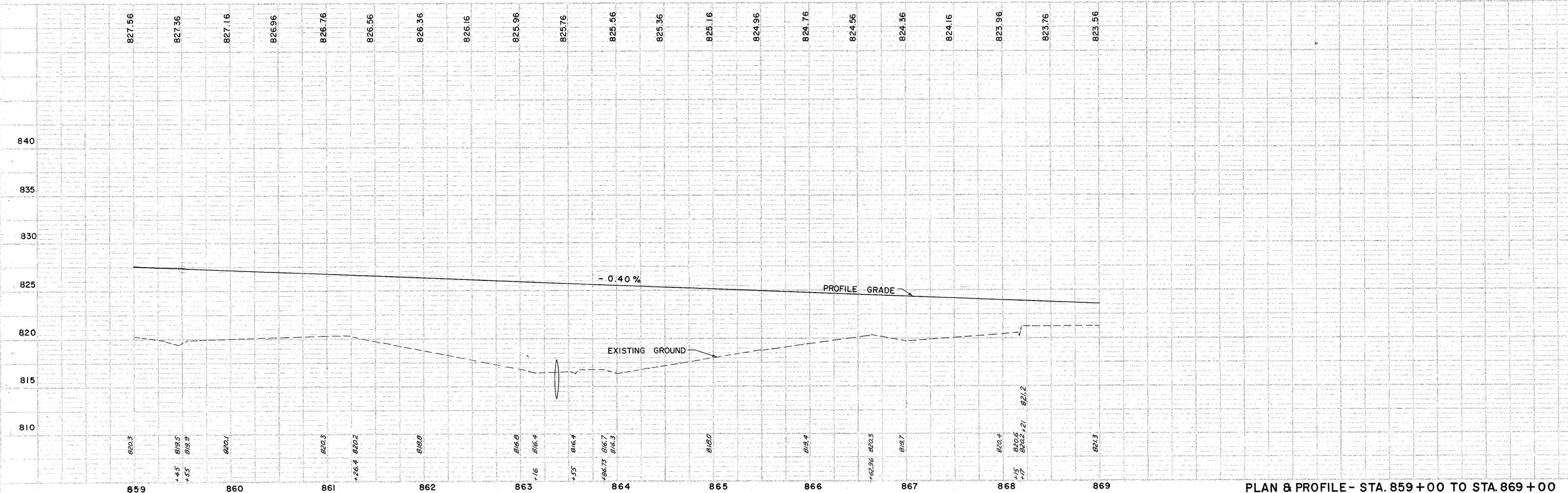


T.B.M. NO. 8 EL. 818.91
R.R. SPIKE IN ROOT OF 10\"/>

FOR SIGN PLAN SEE SHEET 244

FOR DETAILS ON CULVERT D-4
SEE SHEET 203

FOR PROFILE OF STORM SEWERS
SEE SHEET 185



PLAN & PROFILE - STA. 859+00 TO STA. 869+00

D DRAINAGE

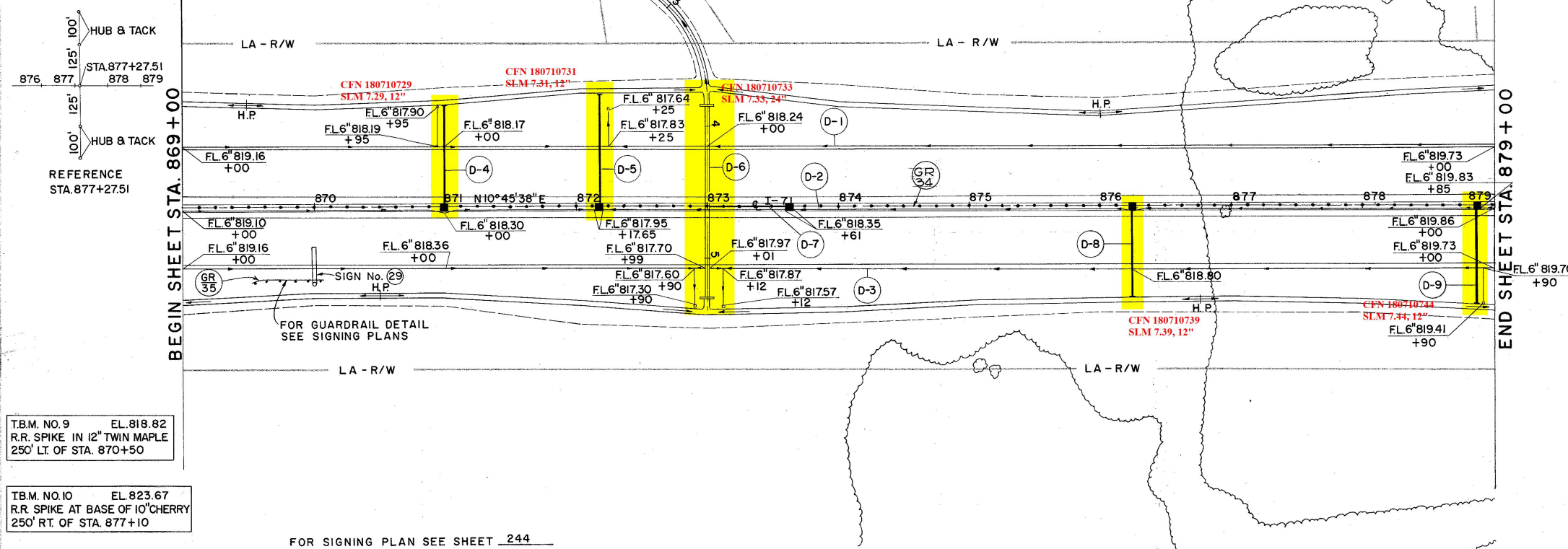
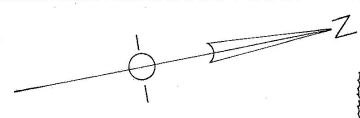
REF. NO.	STATION	SIDE	SHALLOW		I-1		I-5		I-8		I-2		L-10		I-10		E-3	
			6" PIPE CLASS I-3	6" PIPE CLASS F-4	12" PIPE CLASS J-1	12" PIPE CLASS E-1	24" PIPE CLASS A-1	6" x 6" TEE CLASS I-3	24" x 12" TEE CLASS A-1	MOD. 24" x 12" TEE CLASS A-1	MASONRY	SODDING	DUMPED ROCK CHANNEL PROTECT	CHANNEL EXCAVATION				
D-1	869+00	879+00	LT.	1018	40			2										
D-2	869+00	879+00	CL	940	60													
D-3	869+00	879+00	RT.	1044	40			3										
D-4	871+00		CL-LT.			76				1	0.23	2						
D-5	872+17.65		CL-LT.			85				1	0.23	2	2					
D-6	873+00		LT-RT.				148			1	6.6	7	65					
D-7	873+00	873+61	CL				61											
D-8	876+23		CL-RT.			71												
D-9	878+85		CL-RT.			76												
TOTAL				3002	140	308	61	148	5	1	5	7.52	15	4	65			

ROADWAY

REF. NO.	STATION	SIDE	ITEM I-15 GUARD RAIL LIN. FT.	
			STEEL BEAM (DEEP)	AS PER PLAN BARRIER
GR-34	869+00	879+00	CL	1000
GR-35	872+53	873+03	RT.	50
TOTAL				50

FOR DETAILS ON CULVERT D-6
SEE SHEET 204

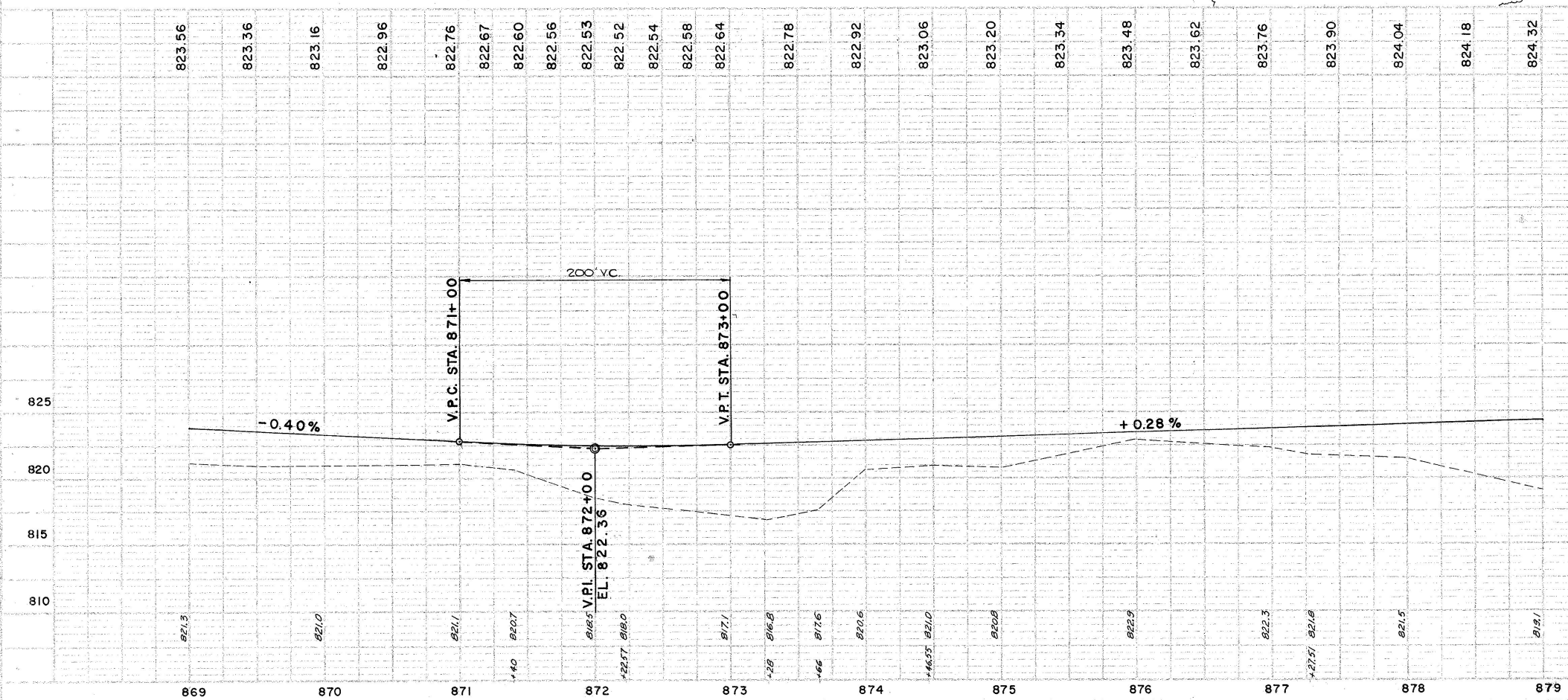
FOR PROFILE OF STORM
SEWER SEE SHEET 186



T.B.M. NO. 9 EL. 818.82
R.R. SPIKE IN 12" TWIN MAPLE
250' LT. OF STA. 870+50

T.B.M. NO. 10 EL. 823.67
R.R. SPIKE AT BASE OF 10" CHERRY
250' RT. OF STA. 877+10

FOR SIGNING PLAN SEE SHEET 244



PLAN & PROFILE - STA. 869+00 TO STA. 879+00

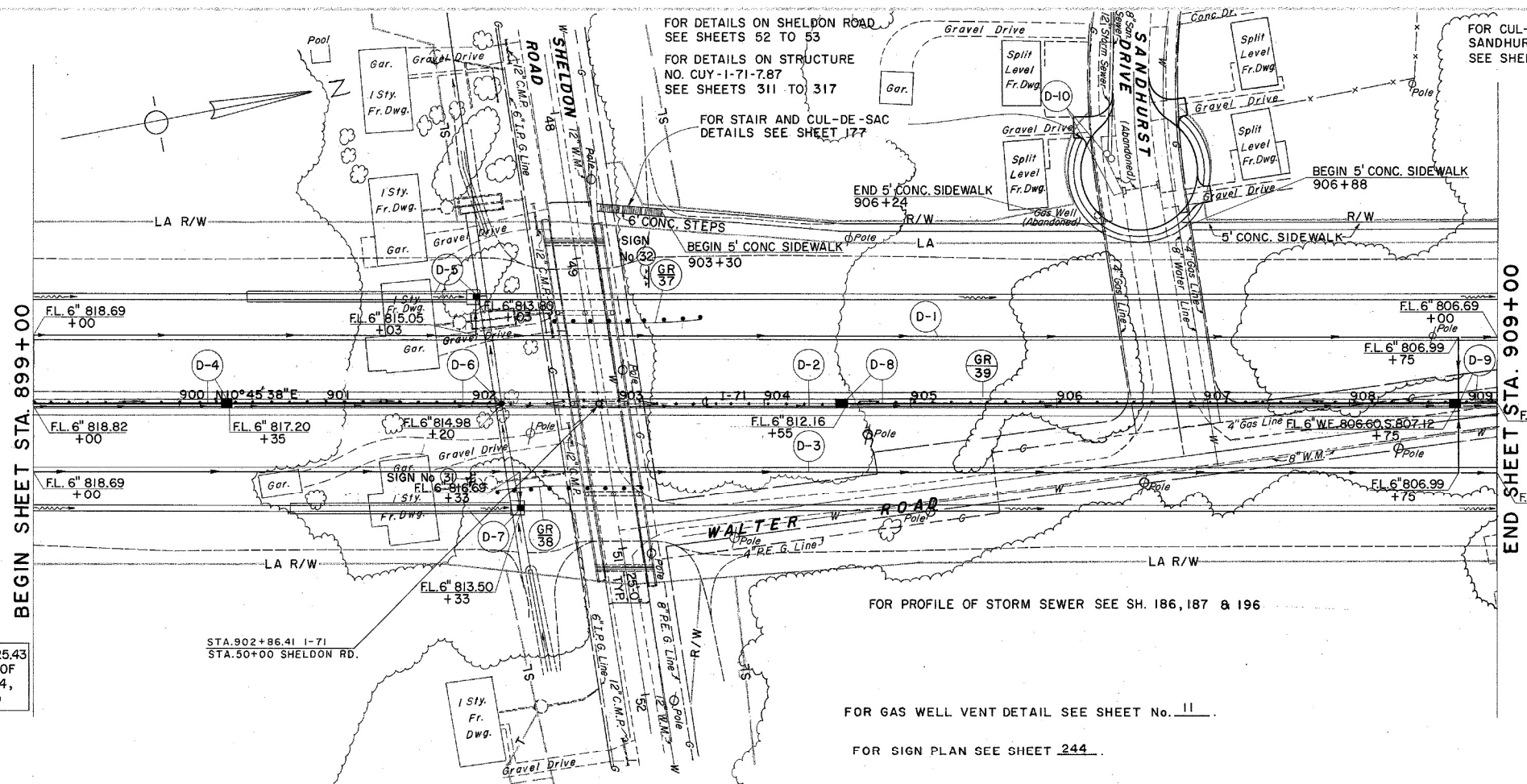
D DRAINAGE

REF. NO.	STATION		SIDE	LIN. FT.				EACH							
	FROM	TO		I-1	I-5	I-8	I-16	L-120	STD. MH NO. 1	STD. CB NO. 5	MOD 2'-A'-8 PAVED SHLR INLET	MH ADJUSTED TO GRADE	CB	ABANDONED	JUTE MATTING
D-1	899+00	909+00	LT.	1008	36	30	2								
D-2	899+00	909+00	℄	960		40									
D-3	899+00	909+00	RT.	1008	36		2								
D-4	899+00	900+35	℄				135								
D-5	900+46	902+10	LT.				6								125
D-6	900+35	902+20	℄				185								
D-7	900+76	902+33	RT.												125
D-8	904+55	908+75	℄				420								
D-9	908+75	909+00	℄				25								
D-10	SANDHURST DR 8+29	8+51	LT.&RT.												2
TOTAL				2976	72	70	771	4	1	2	3	2	2	2	250

ROADWAY

REF. NO.	STATION		SIDE	STEEL BEAM (DEEP)	
	FROM	TO		STANDARD	BARRIER
GR-37	902+57.5	903+57.5	LT.	100	
GR-38	902+15	903+15	RT.	100	
GR-39	899+00	909+00	M		1000
TOTAL				200	1000

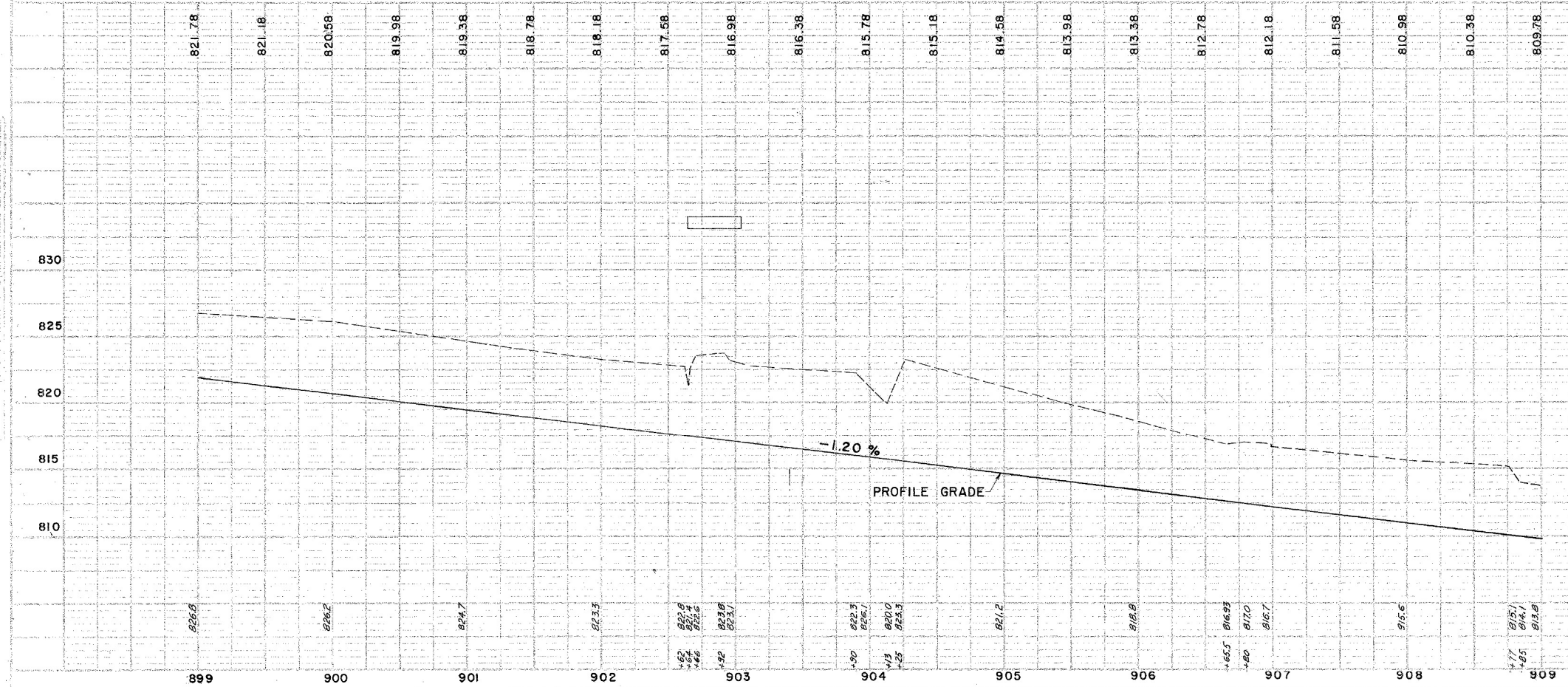
T.B.M. NO. 12 B.M. "C" EL. 825.43
R.R. SPIKE ON WEST SIDE OF
C.E.I. CO. POLE NO. 121424,
105' RT. OF STA. 903+20



FOR PROFILE OF STORM SEWER SEE SH. 186, 187 & 196

FOR GAS WELL VENT DETAIL SEE SHEET No. 11

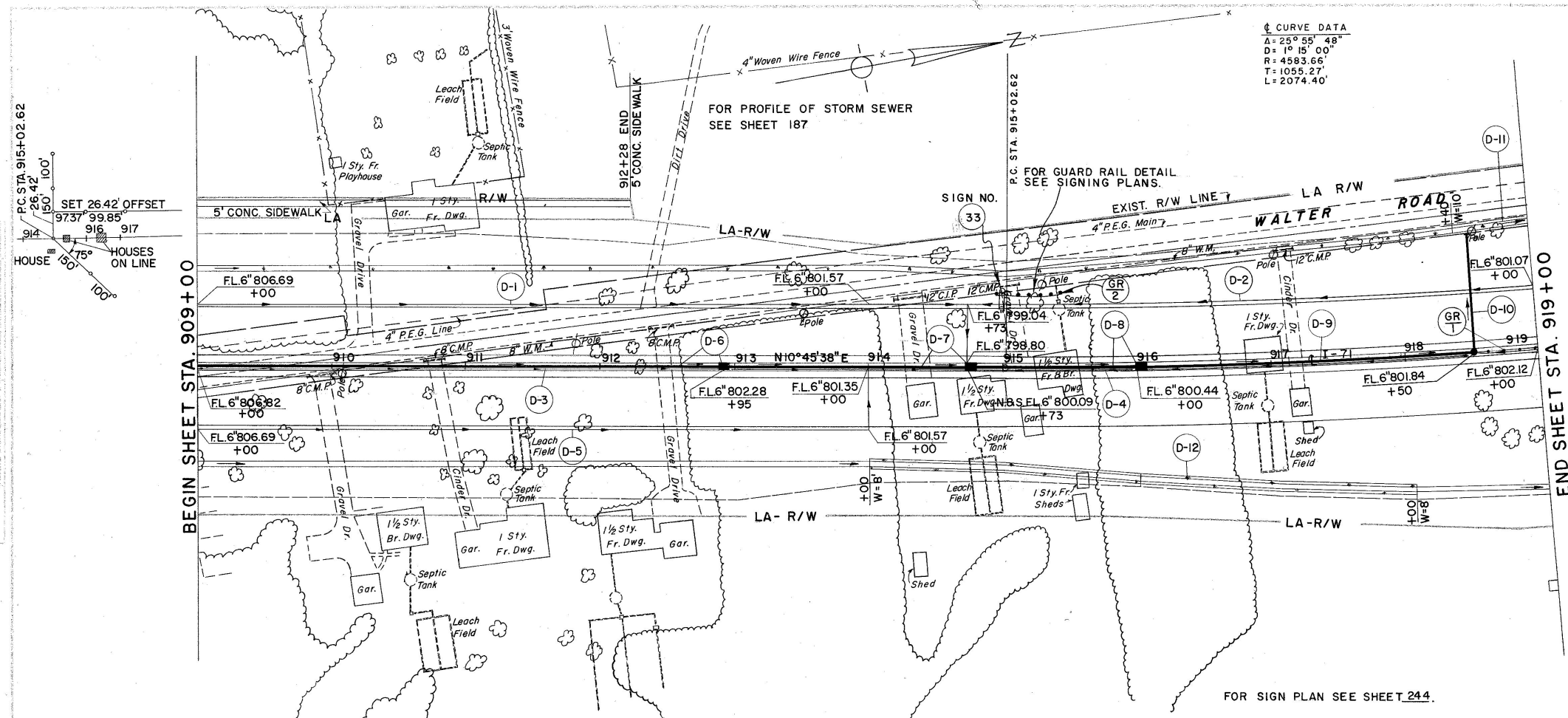
FOR SIGN PLAN SEE SHEET 244



STRUCTURE NO. CUY-71-0787
 TYPE: CONTINUOUS STEEL BEAM WITH
 REINFORCED CONCRETE DECK
 AND SUBSTRUCTURE
 SPANS: 50'-0" - 62'-6" - 62'-6" - 50'-0" C/C BRGS.
 ROADWAY: 28'-0" F.F. 5'-0" SIDEWALKS
 LOAD FREQUENCY: CF = 400
 SKEW: 8° 57' 07"
 WEARING SURFACE: 1" MONOLITHIC CONCRETE
 APPROACH SLAB: 25' LONG
 ALIGNMENT: TANGENT

PLAN & PROFILE - STA. 899+00 TO STA. 909+00

CUYAHOGA COUNTY
CUY-71-5.72



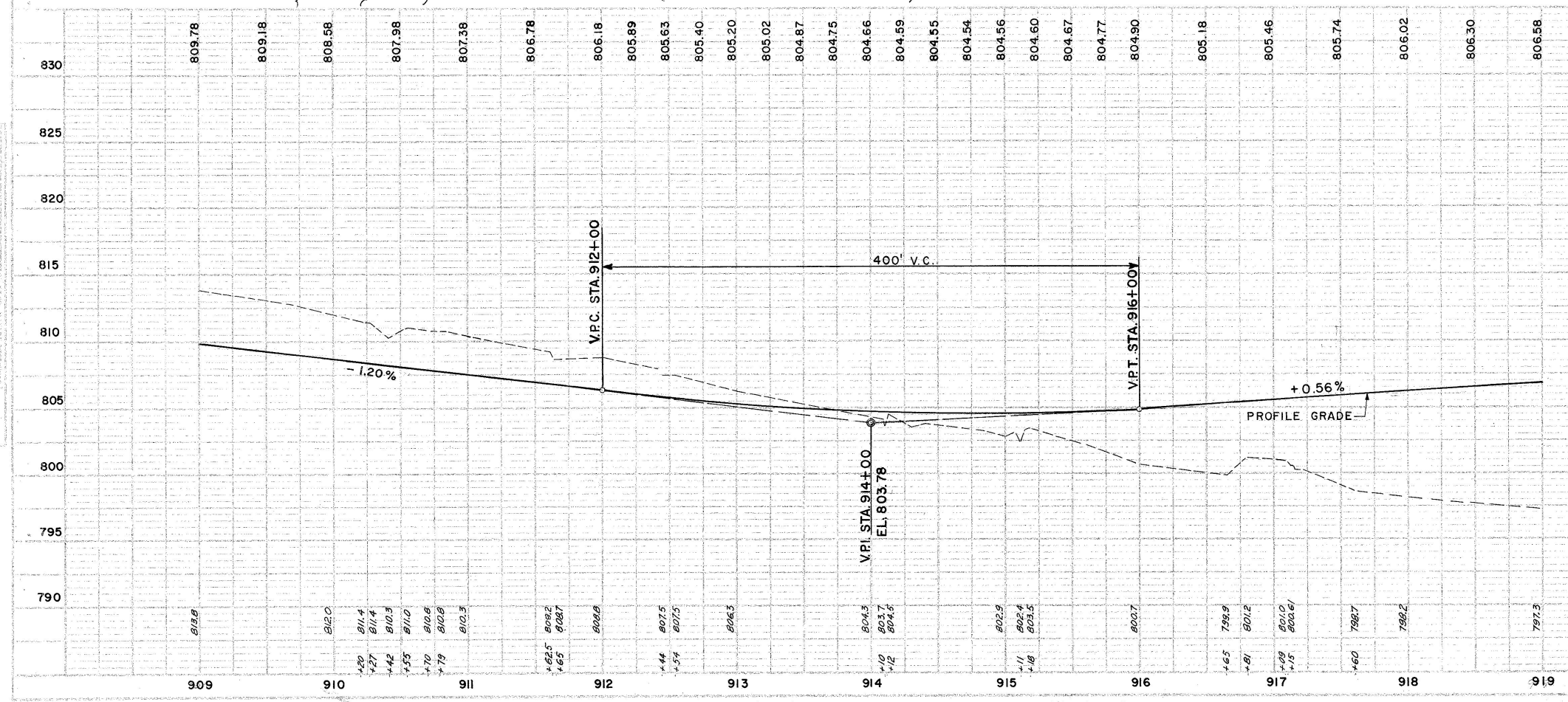
CURVE DATA
A = 230.55' 48"
D = 10° 15' 00"
R = 4583.66'
T = 1055.27'
L = 2074.40'

#0-M-G-5(b) (D) DRAINAGE

REF. NO.	STATION	S I D E	LIN. FT.																				
			I-1	I-5	I-8	I-2	I-10	L-10															
D-1	909+00	914+00	LT	500																			
D-2	914+00	919+00	LT	485	36	20																	
D-3	909+00	914+00	€	490		10																	
D-4	914+00	919+00	€	460		40																	
D-5	909+00	914+00	RT	500		36	10																
D-6	909+00	912+95	€					395															
D-7	912+95	914+73	€						178														
D-8	914+73	916+00	€							127													
D-9	916+00	918+50	€								250												
D-10	918+50	918+00	€-LT									88									0.36	2.7	2
D-11	918+40	919+00	LT																				67
D-12	914+00	918+00																					356
TOTAL				1490	945	72	80	395	178	127	250	88	1	2	1	3	0.36	2.7	425				

ROADWAY

REF. NO.	STATION		S I D E	LIN. FT.	
	FROM	TO		STEEL BEAM (DEEP)	AS PER PLAN BARRIER
GR-1	909+00	919+00	M		1000
GR-2	914+97	915+47	LT	50	
TOTAL				50	1000

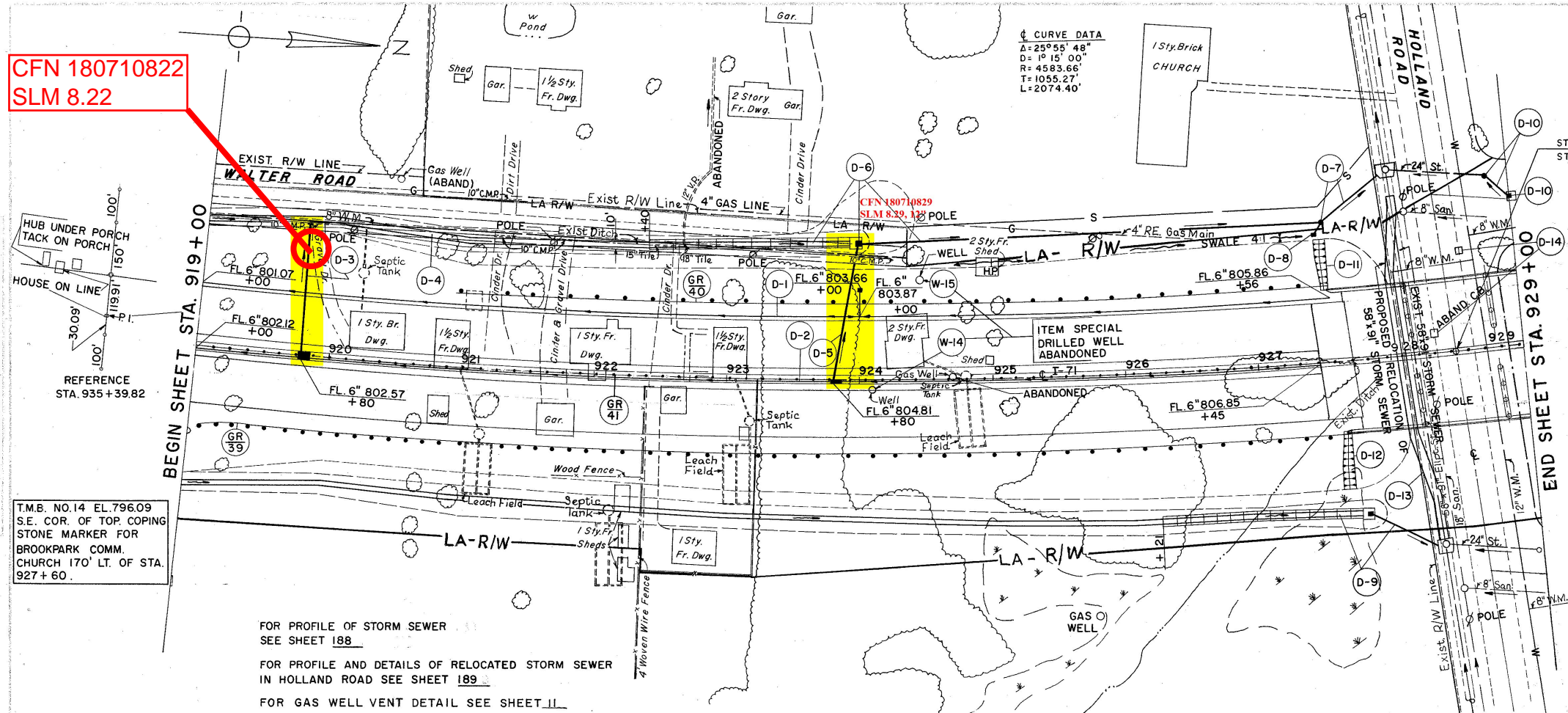


PLAN & PROFILE - STA. 909+00 TO STA. 919+00

CFN 180710822
SLM 8.22

FOR DETAILS ON STRUCTURE NO. I-71-836
SEE SHEETS 318 TO 327

CUYAHOGA COUNTY
CUY - 71 - 5.72

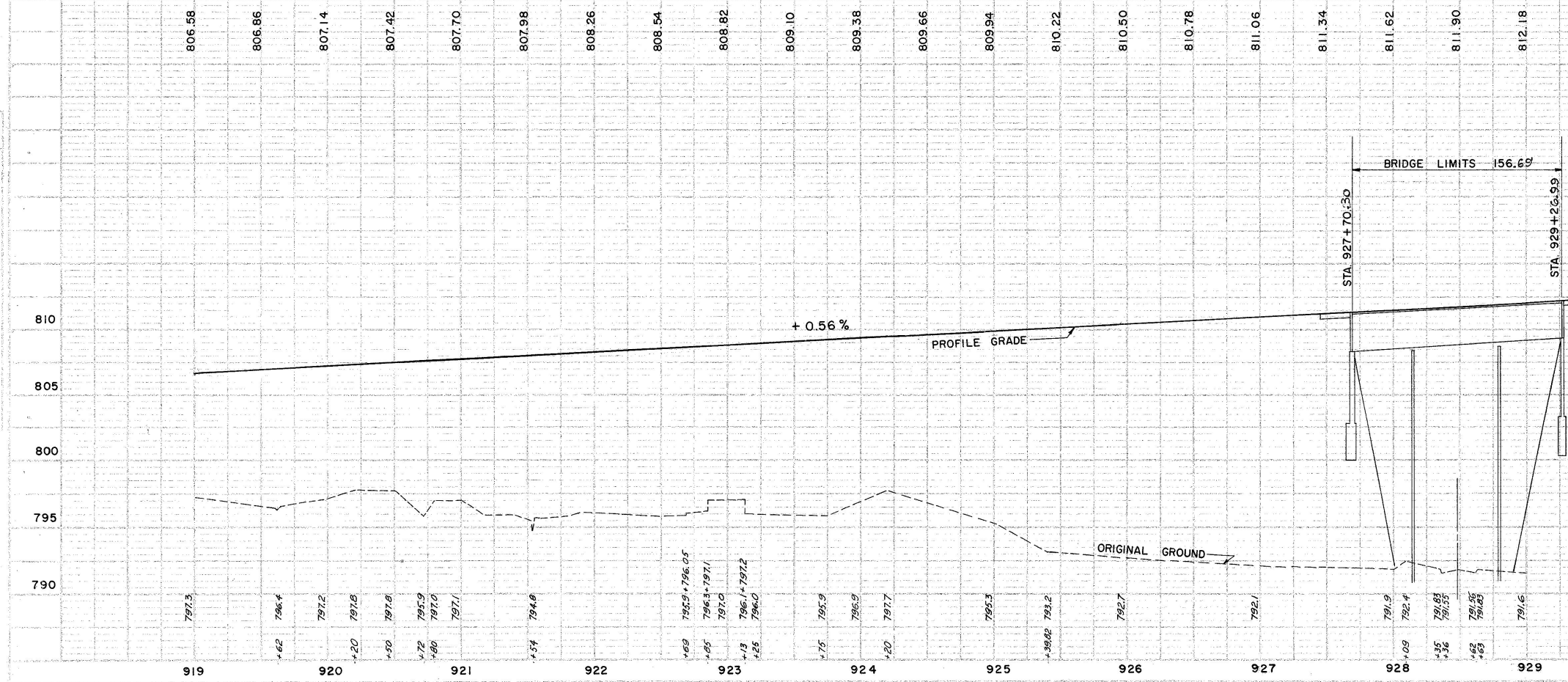


DRAINAGE

REF. NO.	STATION	S I D E	ITEM																		
			I-3	F-4	J-1	F-4	E-1	E-1	I-5	I-8	I-2	I-10	I-10	I-10							
FROM	TO		6" PIPE CLASS I-3 SHALLOW	6" PIPE CLASS F-4	12" PIPE CLASS J-1	12" PIPE CLASS F-4	12" PIPE CLASS E-1	24" PIPE CLASS E-1	6" x 6" TEE CLASS I-3	12" x 24" BEND CLASS F-4	STD. NO. 1 MANHOLE C.B.	STD. NO. 5 C.B.	STD. NO. 248 C.B.	MOD. NO. 248 P.V.D. SH. I.	MOD. NO. 248 P.V.D. SH. I.	MASONRY	DUMPED ROCK CHAN. PROT.	JUTE MATTING	SODDING	BERM & SLOPE PROTECTION	
			LIN. FT.										EACH		C.Y.		S.Y.				
D-1	919+00	927+56	LT.	857	20																
D-2	919+00	927+45	Q	825	20																
D-3	919+80		Q-LT			98										1	0.23	2			2
D-4	919+00	922+40	LT.																		378
D-5	923+80	924+00	Q-LT			62	46														
D-6	922+40	927+53	LT.																		125
D-7	927+53	928+04	LT.																		
D-8	927+48	927+53	LT.																		
D-9	926+21	928+24	RT.																		
D-10	928+83	929+00	LT.																		125
D-11	927+52		LT.																		
D-12	927+62		RT.																		
TOTAL				1682	40	160	46	38	466	1	2	2	3	1	1	1	0.23	2	250	380	71

DRAINAGE HOLLAND ROAD

REF. NO.	STATION	S I D E	ITEM	I-6		I-1		E-12		I-16		E-12		ITEM SPECIAL DRILLED WELLS ABAND.			
				58" x 91" ELLIPTICAL PIPE REL. LIN. FT.	58" x 91" RADIUS PIPE CL. G-1 W/TYPE 1 BELL M-6.7 (d) LIN. FT.	58" x 91" PIPE REMOVED FOR RE-USE LIN. FT.	ABAND. CB. EA.	PIPE REMOVED OVER 12" L.F.	REF. NO.	LOCATION	EA.						
D-13	8+20	10+74	RT.	208	48	208								W-14	924+07	7' RT.	1
D-14	8+67	9+26	RT.											W-15	924+40	75' LT.	1
TOTAL				208	48	208	2	46						TOTAL			2



ROADWAY

REF. NO.	STATION	S I D E	ITEM T-15 GUARD RAIL FENCE LIN. FT.		
			STEEL BEAM (DEEP)	BARRIER	
GR 39	919+095	927+61.5	RT.	862.5	-
GR 40	920+96	927+54	LT.	650	-
GR 41	919+00	929+00	M.	LESS STRUCTURE 129.7	870
TOTAL				1587.5	870

STRUCTURE NO. CUY-71-0836

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 44'-6" - 63'-2" - 44'-6" C/C BEARINGS

ROADWAY: 108'-0" F/F OF PARAPETS

LOAD FREQUENCY: C.F. = 2000 (57)

ADEQUATE FOR AASHTO ALTERNATE LOADING

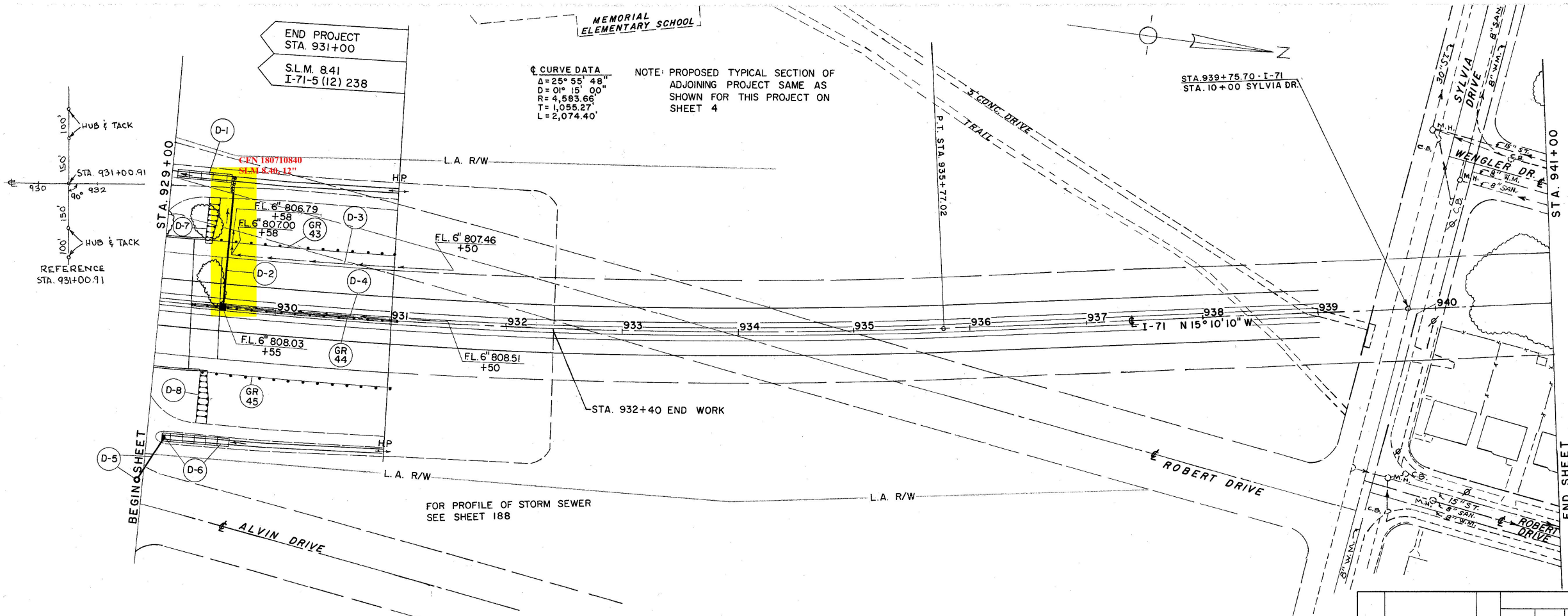
SKEW: 3° 31' 55"

WEARING SURFACE: 1" MONOLITHIC CONCRETE

APPROACH SLAB: AS-1-54 (25' LONG)

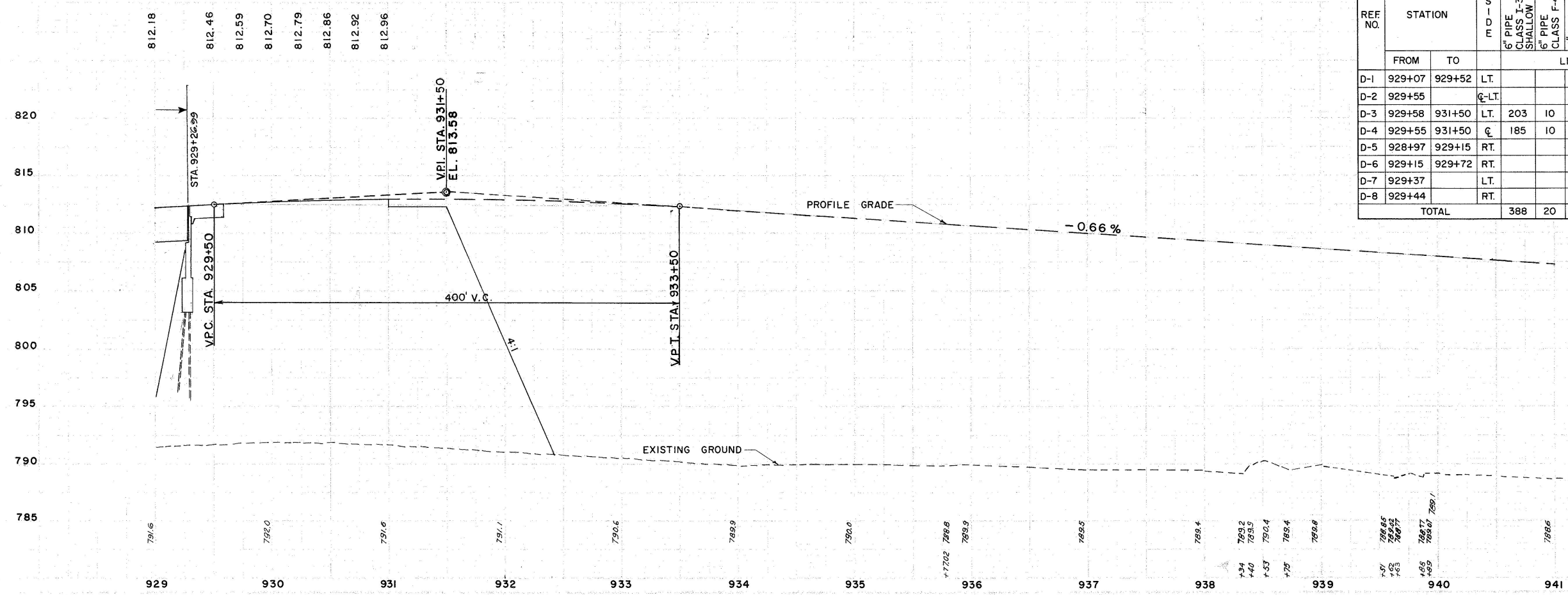
ALIGNMENT: 1° 15' CURVE LEFT

PLAN & PROFILE - STA. 919+00 TO STA. 929+00



ROADWAY

REF. NO.	STATION		SIDE	LIN. FT.	
	FROM	TO		STEEL BEAM STANDARD	(DEEP) BARRIER
GR-43	929+36.5	931+00	LT.	162.5	
GR-44	929+26.99	931+04.95	M		177.9
GR-45	929+42.5	931+03	RT.	162.5	
TOTAL				325	177.9



D DRAINAGE

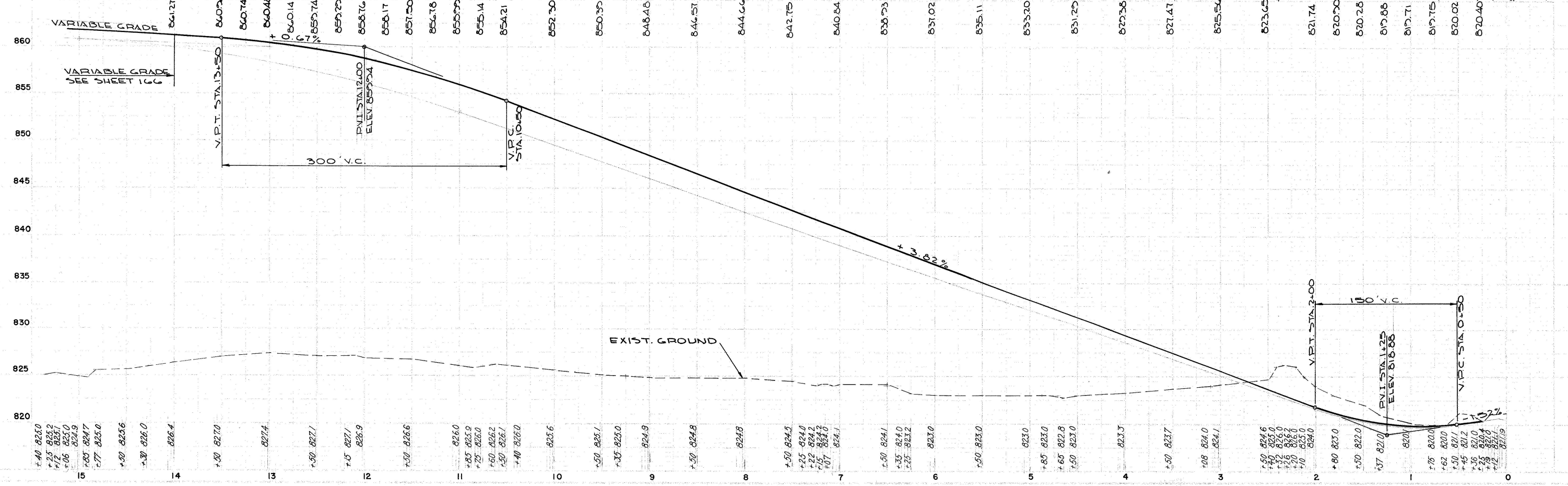
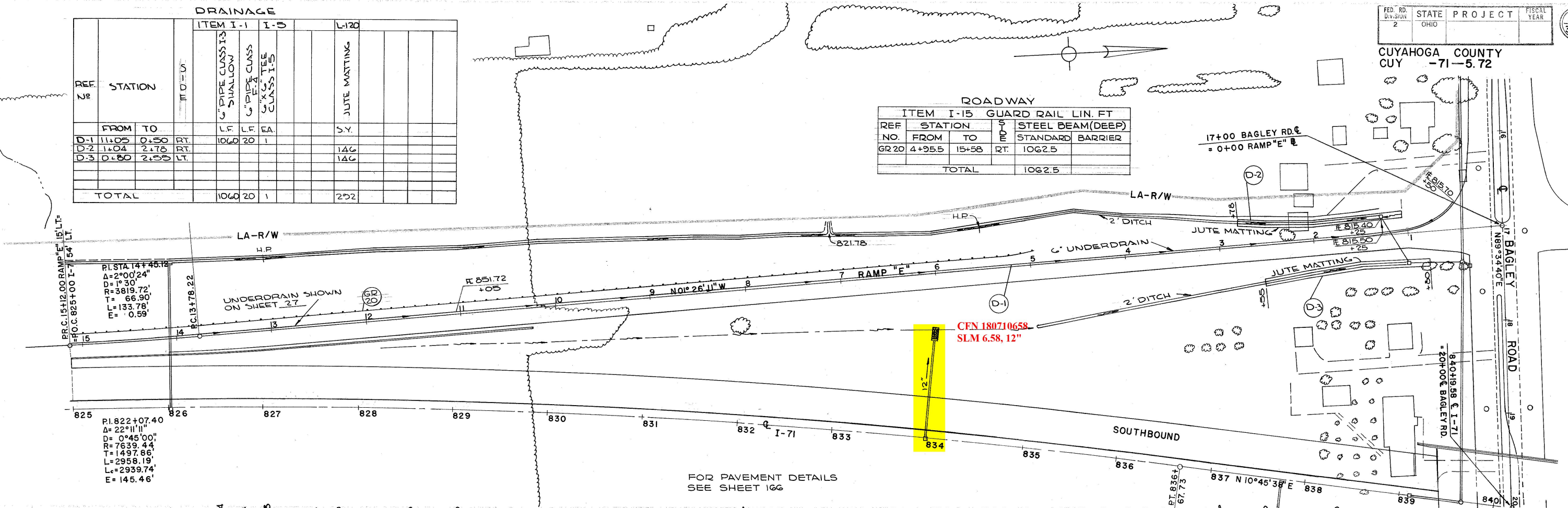
REF. NO.	STATION		M-D-S	I-1						I-5		I-8		I-2		I-10		L-10		L-120	
	FROM	TO		6" PIPE CLASS I-3 SHALLOW	6" PIPE CLASS F-4	12" PIPE CLASS E-1	12" PIPE CLASS F-4	12" PIPE CLASS J-1	24" PIPE CLASS E-1	6" x 90° BEND CLASS I-3	12" x 25" BEND CLASS F-4	STD. NO. 1 MANHOLE	STD. NO. 5 C.B.	MOD. NO. 2246 PAVED 3/4" R INLET	MASONRY	DUMPED ROCK CHANNEL PROTECTION	SODDING	SPECIAL BERM & SLOPE PROTECTION	JUTE MATTING		
				LIN. FT.						EACH		EACH		C.Y.		S.Y.		S.Y.			
D-1	929+07	929+52	LT.																		38
D-2	929+55		LT.			44	60			2			1	0.23	13	2					
D-3	929+58	931+50	LT.	203	10				1												
D-4	929+55	931+50	LT.	185	10																
D-5	928+97	929+15	RT.			43															
D-6	929+15	929+72	RT.																		42
D-7	929+37		LT.																		35
D-8	929+44		RT.																		42
TOTAL				388	20	43	44	60	4	1	2	1	1	1	0.23	13	2	77			80

PLAN & PROFILE - STA. 929+00 TO STA. 941+00

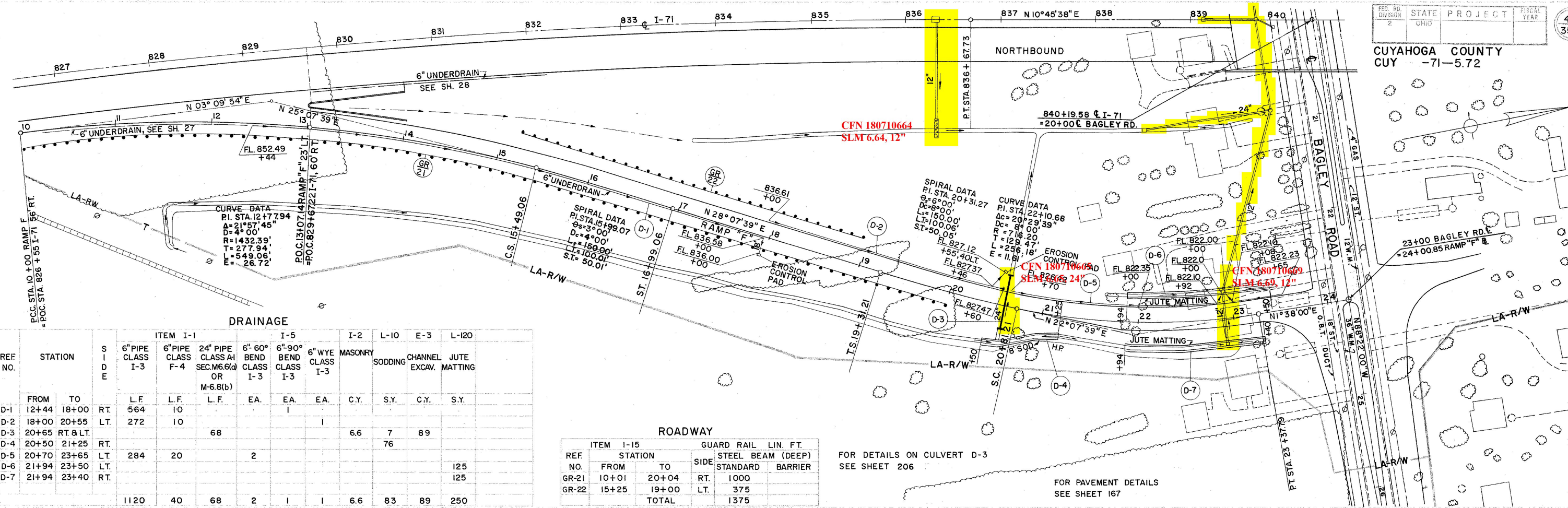
CUYAHOGA COUNTY
CUY -71-5.72

DRAINAGE		ITEM I-1			I-5			L-120		
REF. NO.	STATION	ITEM	C' PIPE CLASS 13 SHALLOW		C' PIPE CLASS 15		C' X'S TEE CLASS I-5		JUTE MATTING	
			L.F.	EA.	L.F.	EA.	L.F.	EA.	L.F.	EA.
D-1	11+05	0+50	RT.	1060	20	1				
D-2	14+04	2+78	RT.						146	
D-3	0+80	2+50	LT.						146	
TOTAL				1060	20	1			292	

ROADWAY					
ITEM I-15 GUARD RAIL LIN. FT					
REF. NO.	STATION	TO	SIDE	STEEL BEAM (DEEP)	
	FROM			STANDARD	BARRIER
GR 20	4+95.5	15+58	RT.	1062.5	
TOTAL				1062.5	



PLAN PROFILE RAMP "E"

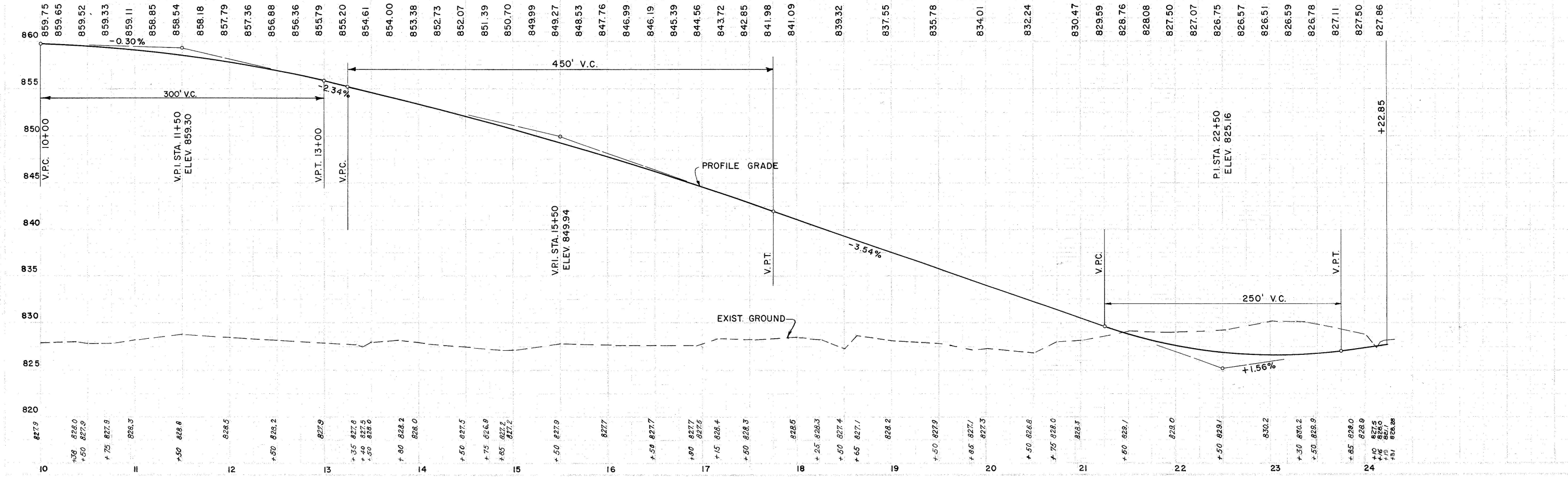


DRAINAGE

REF. NO.	STATION	SIDE	ITEM I-1		ITEM I-5		ITEM I-2	L-10	E-3	L-120			
			6" PIPE CLASS I-3	6" PIPE CLASS F-4	24" PIPE CLASS A1 OR M-6.8(b)	6" 60° BEND CLASS I-3					6" 90° BEND CLASS I-3	6" WYE CLASS I-3	
D-1	12+44	18+00	RT.	L.F. 564	L.F. 10								
D-2	18+00	20+25	LT.	272	10								
D-3	20+65	RT & LT			68		6.6	7	89				
D-4	20+50	21+25	RT.					76					
D-5	20+70	23+65	LT.	284	20								
D-6	21+94	23+50	LT.							125			
D-7	21+94	23+40	RT.							125			
				1120	40	68	2	1	1	6.6	83	89	250

ROADWAY

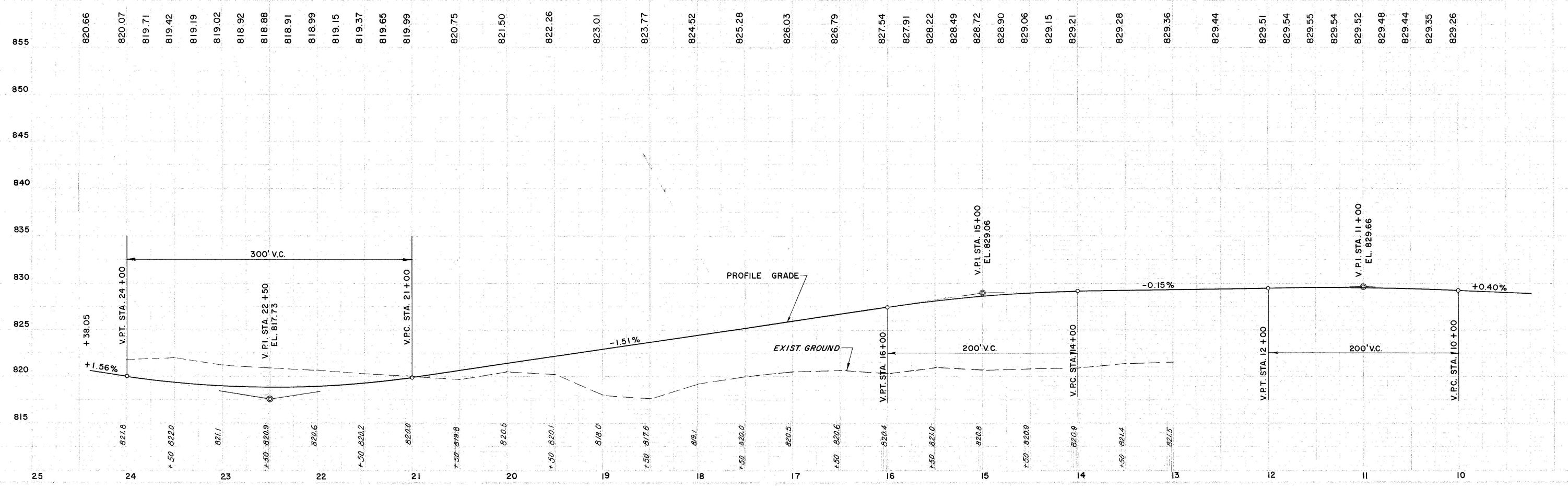
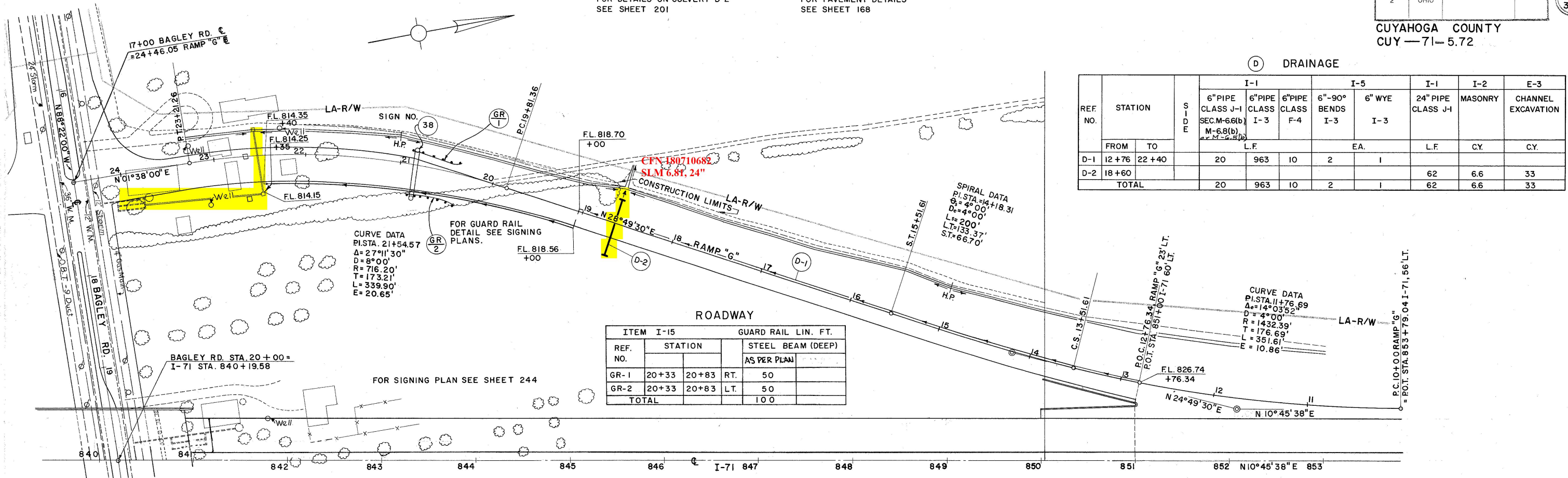
REF. NO.	STATION	SIDE	ITEM I-15		GUARD RAIL LIN. FT.
			STEEL BEAM (DEEP)	STANDARD BARRIER	
GR-21	10+01	20+04	RT.	1000	
GR-22	15+25	19+00	LT.	375	
		TOTAL		1375	



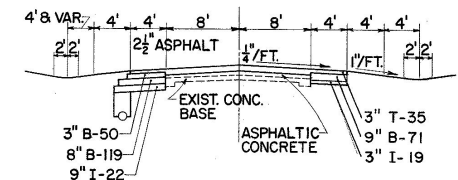
PLAN PROFILE RAMP "F"

FOR DETAILS ON CULVERT D-2 SEE SHEET 201 FOR PAVEMENT DETAILS SEE SHEET 168

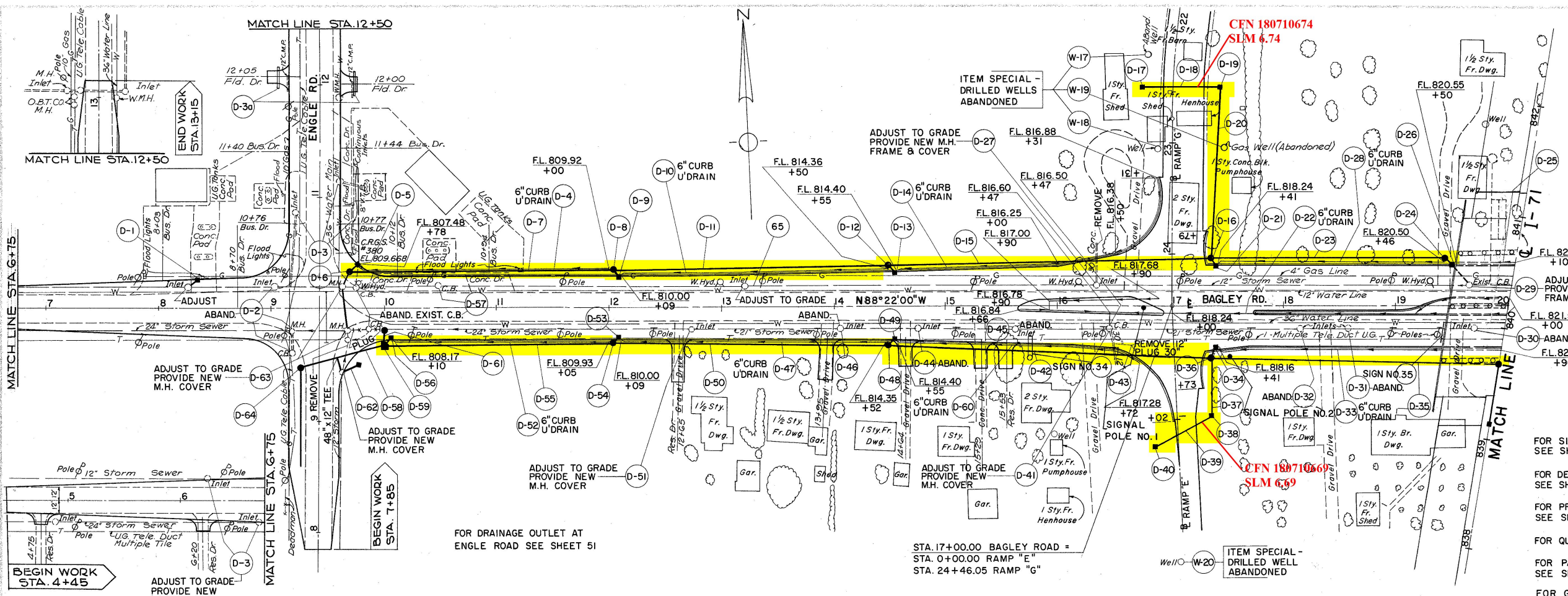
CUYAHOGA COUNTY CUY-71-5.72



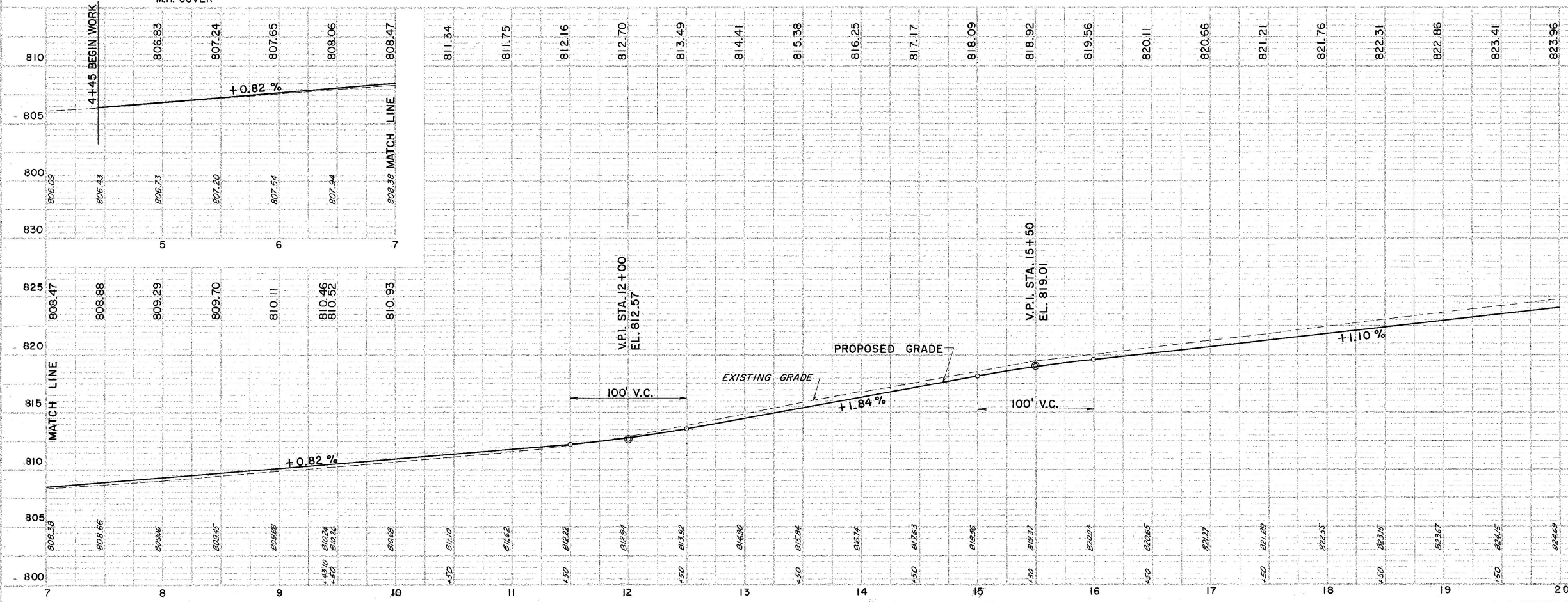
PLAN PROFILE RAMP "G"



TYPICAL SECTION
EXIST. BAGLEY ROAD



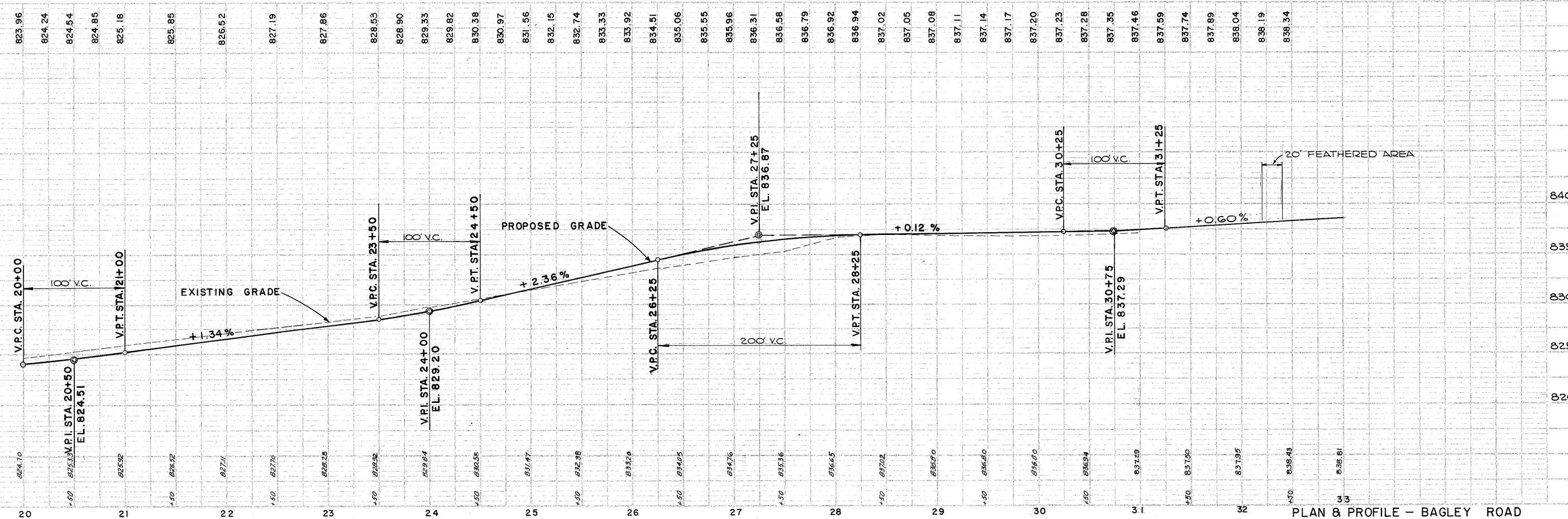
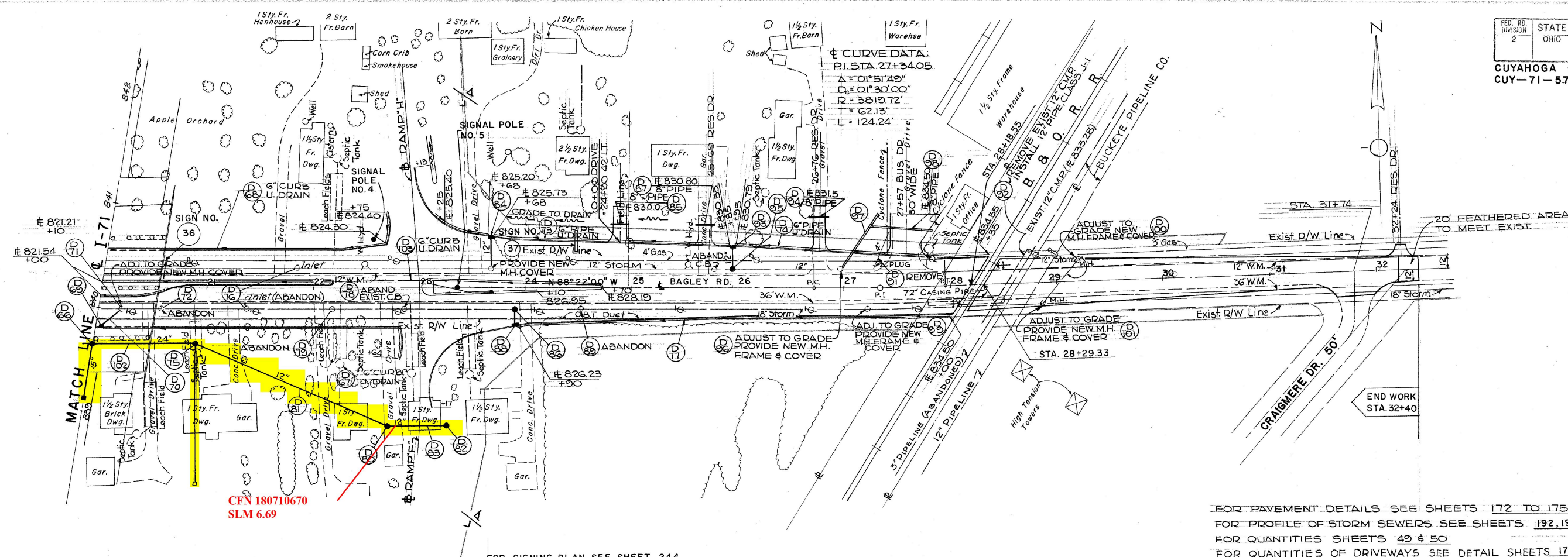
- FOR SIGNAL AND SIGN PLAN SEE SHEET 244.
- FOR DETAILS OF JUNCTION MANHOLE D-59 SEE SHEET 160
- FOR PROFILE OF STORM SEWERS SEE SHEET 192, 193 & 194
- FOR QUANTITIES SEE SHEET 49 & 50
- FOR PAVEMENT DETAILS SEE SHEETS 172 TO 175
- FOR GAS WELL VENT DETAIL SEE SHEET II.



PLAN & PROFILE - BAGLEY ROAD

DATE: 10/1/57
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]

PROJECT: [Name]
 LOCATION: [Name]
 SHEET NO.: [Number]



PLAN	DATE
REVISED	DATE
REVISED	DATE
REVISED	DATE

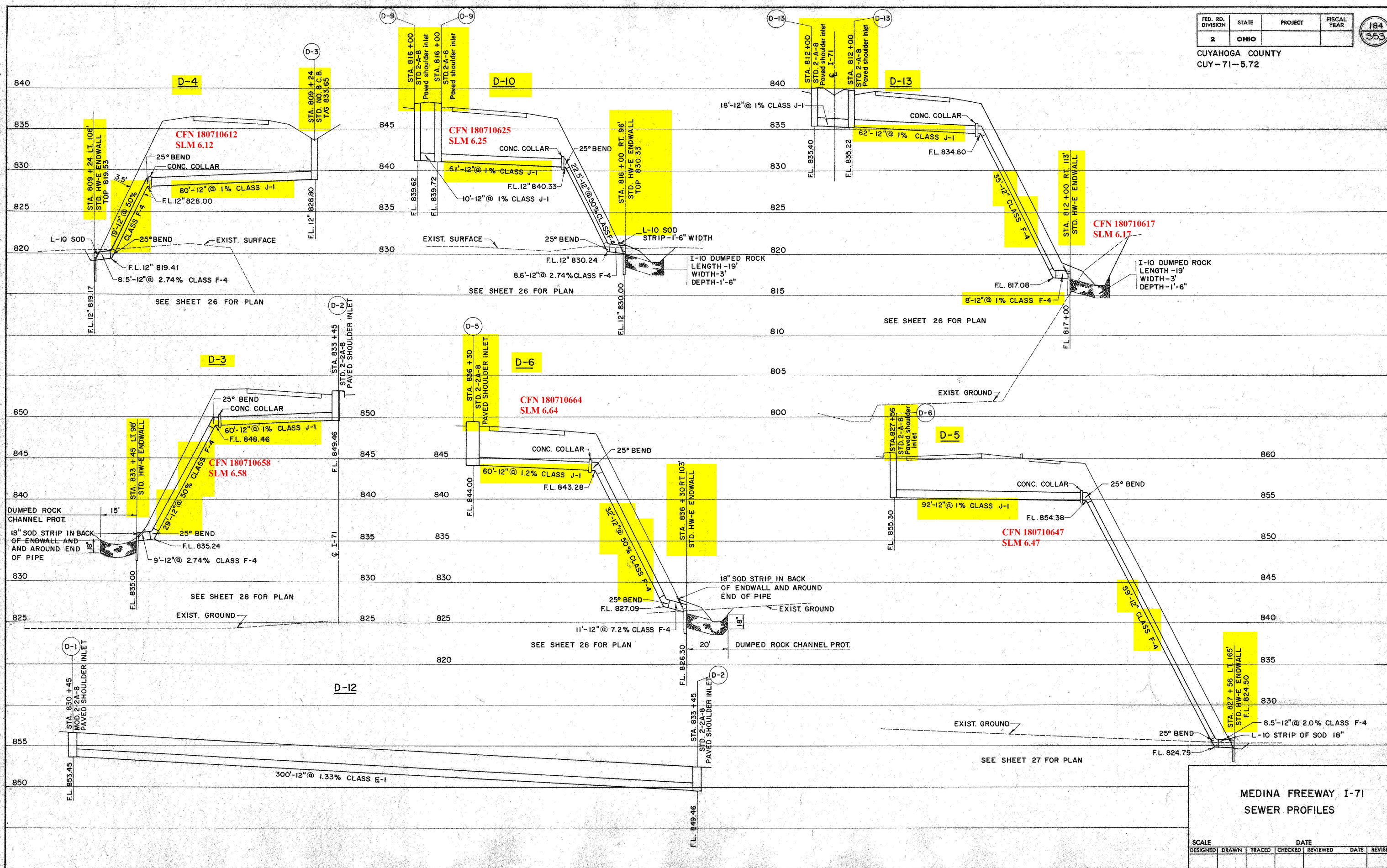
PHYSICAL	DATE
REVISED	DATE
REVISED	DATE
REVISED	DATE

CFN 180710670
SLM 6.69

FOR SIGNING PLAN SEE SHEET 244

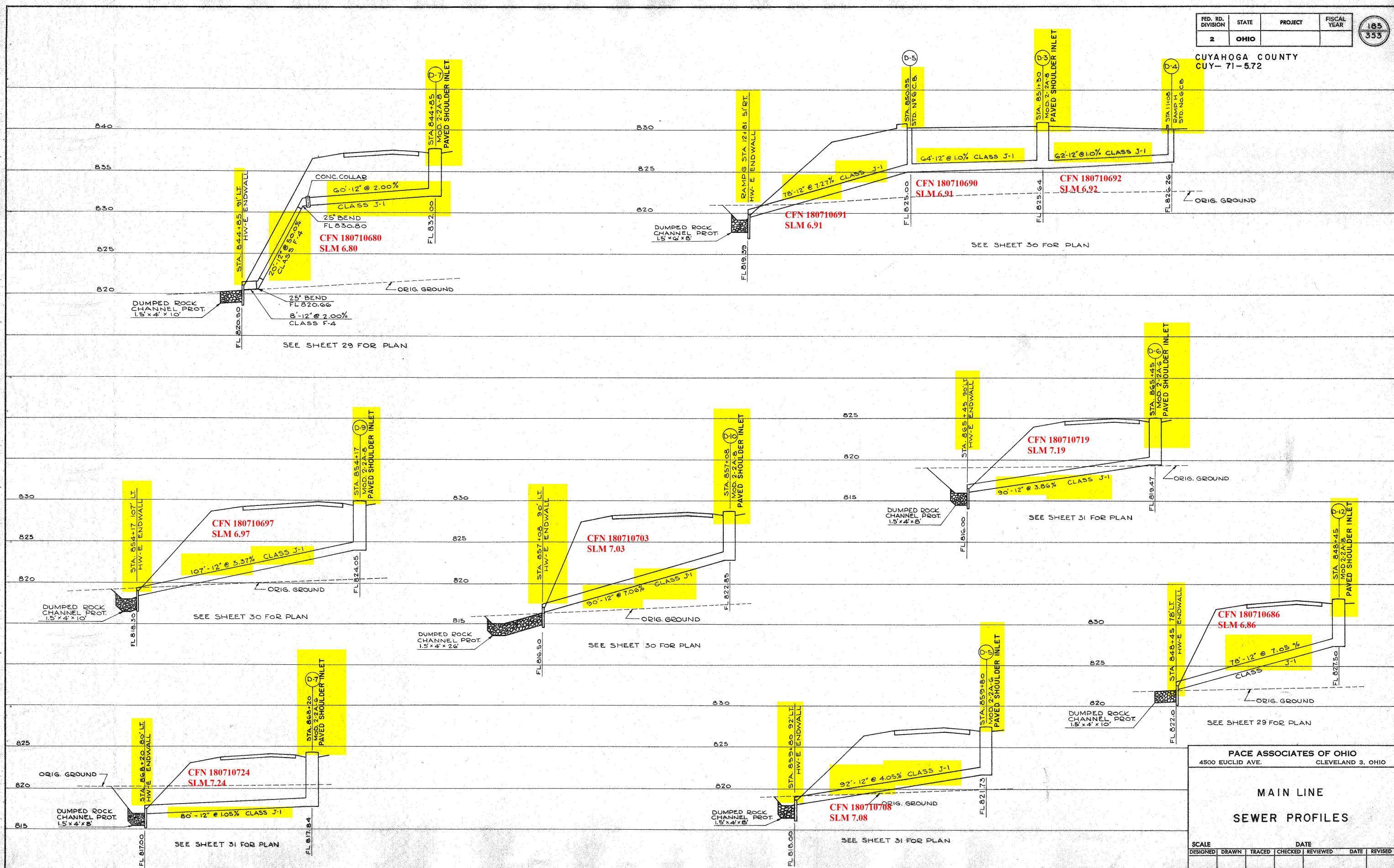
END WORK
STA. 32+40

PLAN & PROFILE - BAGLEY ROAD



MEDINA FREEWAY I-71
SEWER PROFILES

SCALE		DATE			
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE



SEE SHEET 30 FOR PLAN

SEE SHEET 29 FOR PLAN

SEE SHEET 31 FOR PLAN

SEE SHEET 30 FOR PLAN

SEE SHEET 30 FOR PLAN

SEE SHEET 31 FOR PLAN

FACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

MAIN LINE
SEWER PROFILES

SCALE	DATE
DESIGNED	DRAWN
TRACED	CHECKED
REVIEWED	DATE
	REVISED



PACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

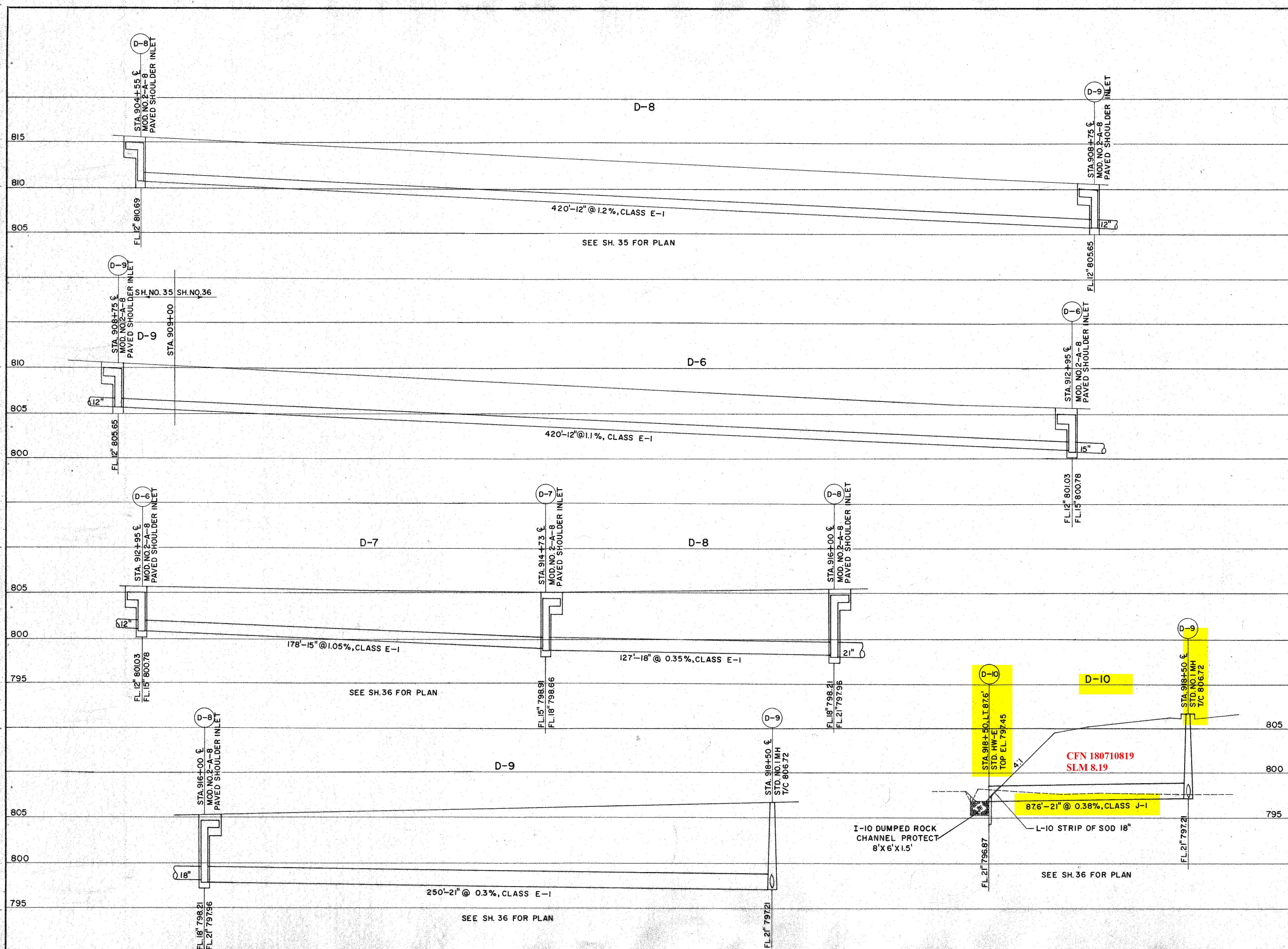
I-71
SEWER PROFILES

SCALE	DATE
DESIGNED	DRAWN
TRACED	CHECKED
REVIEWED	DATE
	REVISED

FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		

187
353

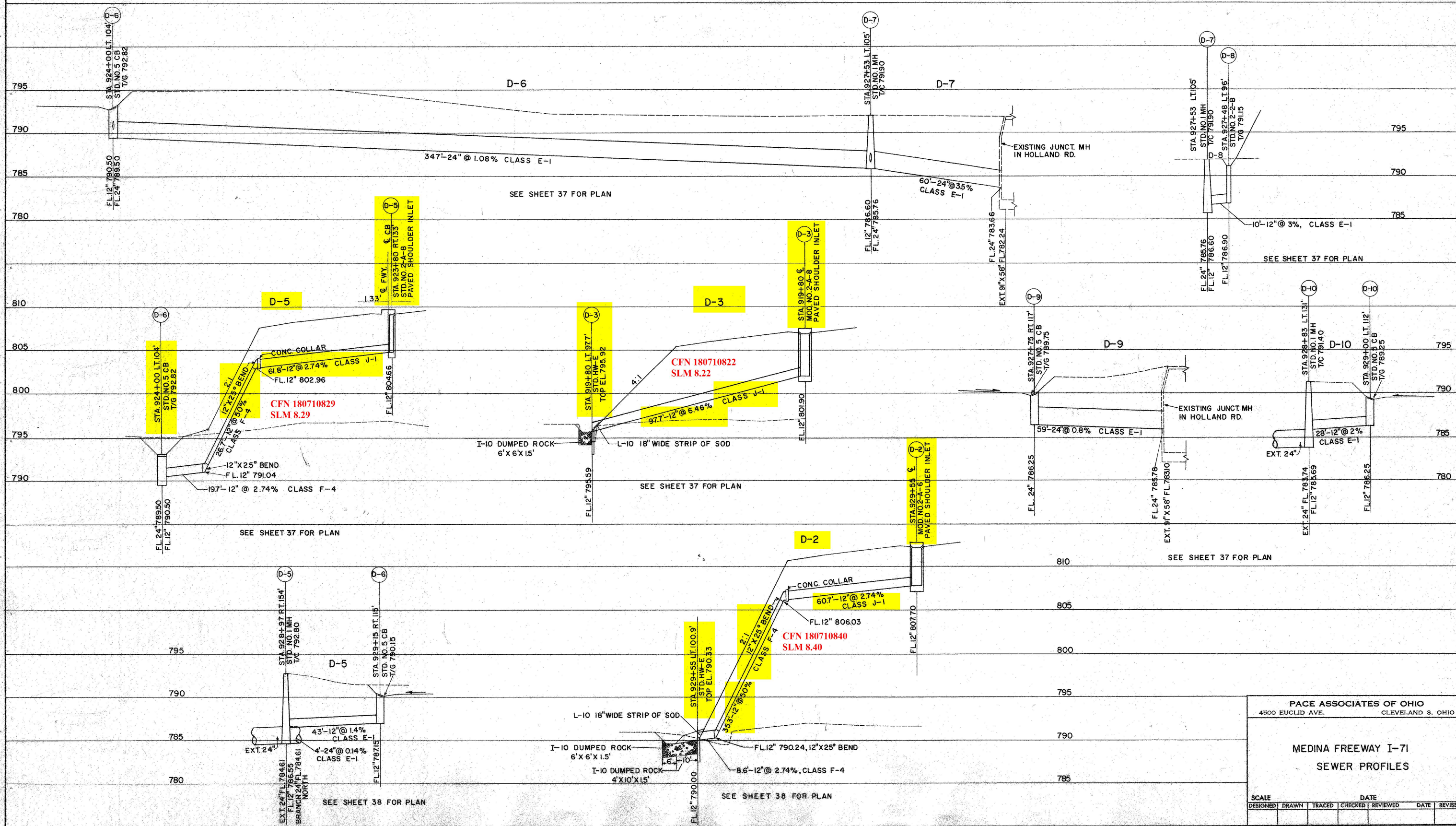
CUYAHOGA COUNTY
CUY-71-572



SCALE		DATE	
DESIGNED	DRAWN	TRACED	CHECKED
		REVIEWED	DATE

PACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

I-71
SEWER PROFILES



PACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

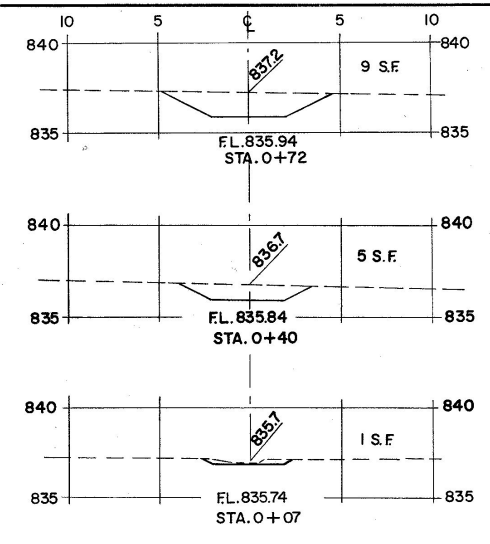
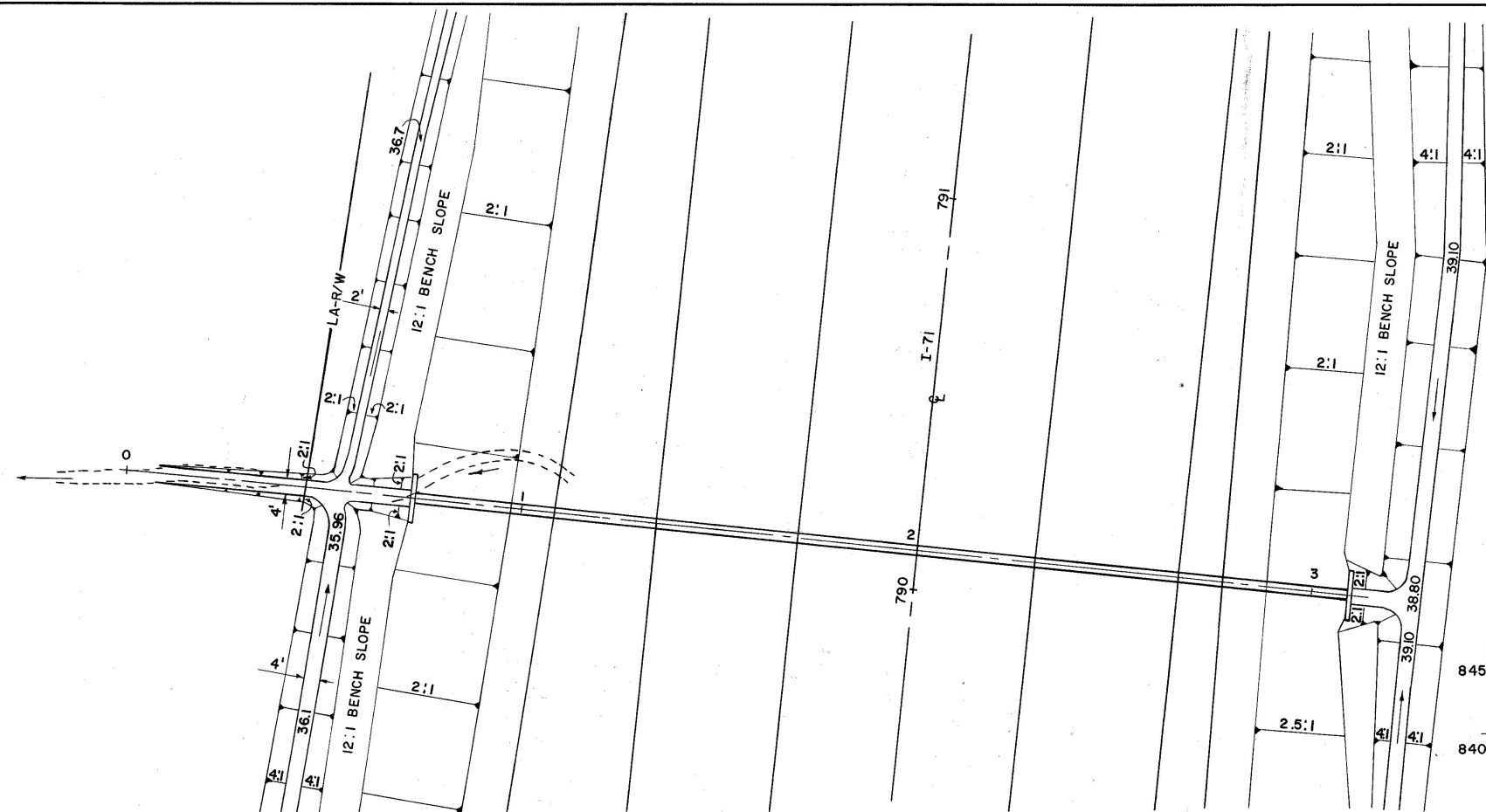
MEDINA FREEWAY I-71
SEWER PROFILES

SCALE		DATE			
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE

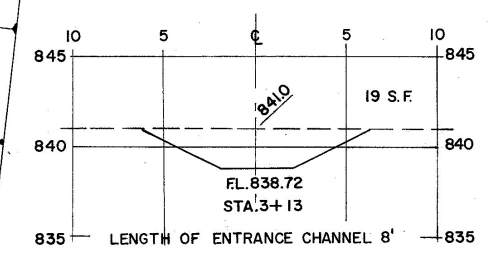
FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		

198
353

CUYAHOGA COUNTY
CUY - 71-5.72



AREA : 7.1 ACRES
Q₅₀ : 23 C.F.S.



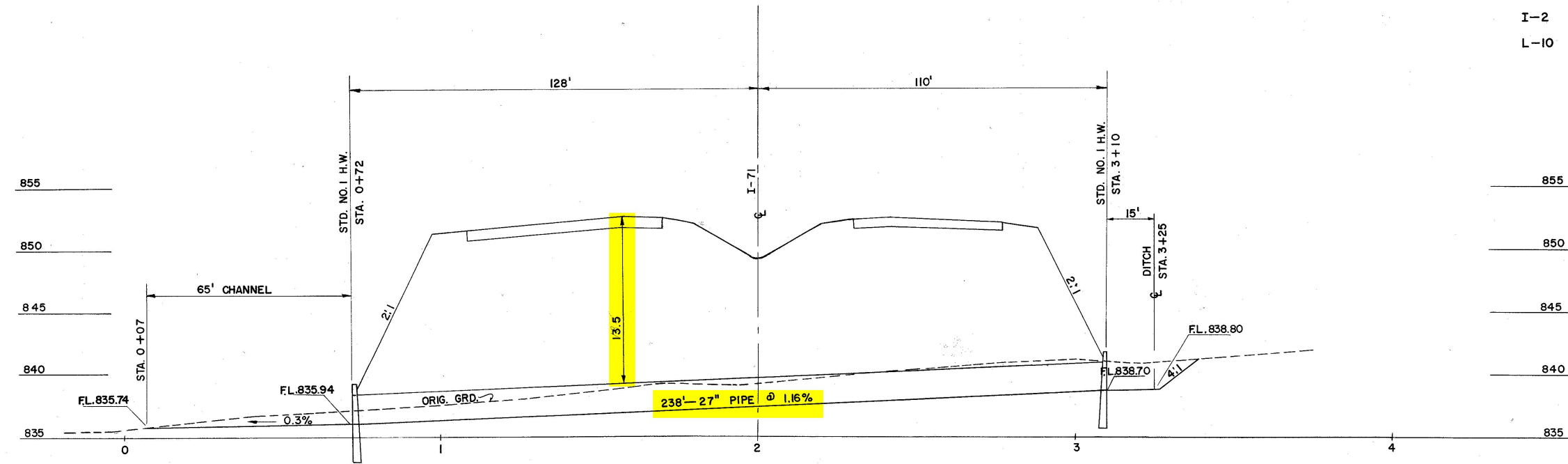
CULVERT DATA

TYPE : I-1 PIPE CLASS A-1 SEC. 6.6(b) OR 6.8(b) W/STD. H.W. NO. 1 HEADWALLS
SIZE : 27"

ESTIMATED QUANTITIES

- E-3 CHANNEL EXCAVATION 19 C.Y.
- I-1 27" PIPE - 238 L.F.
- I-2 MASONRY - 8.0 C.Y.
- L-10 SODDING - 7.5 S.Y.

NOTE: PLACE 18" SOD STRIP AROUND THE HEADWALLS

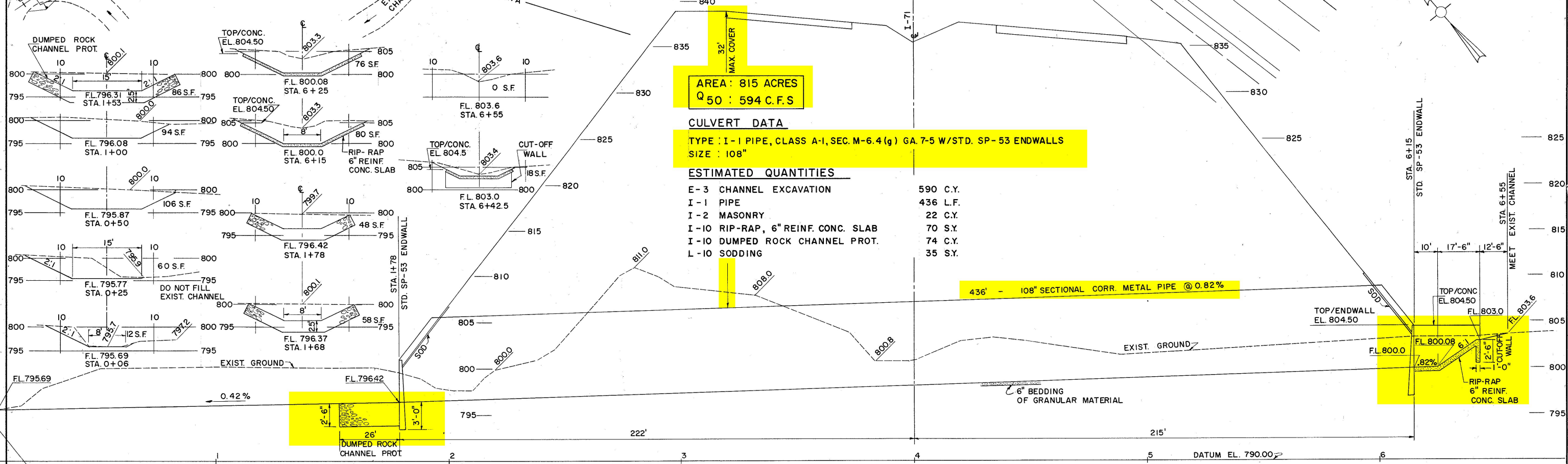
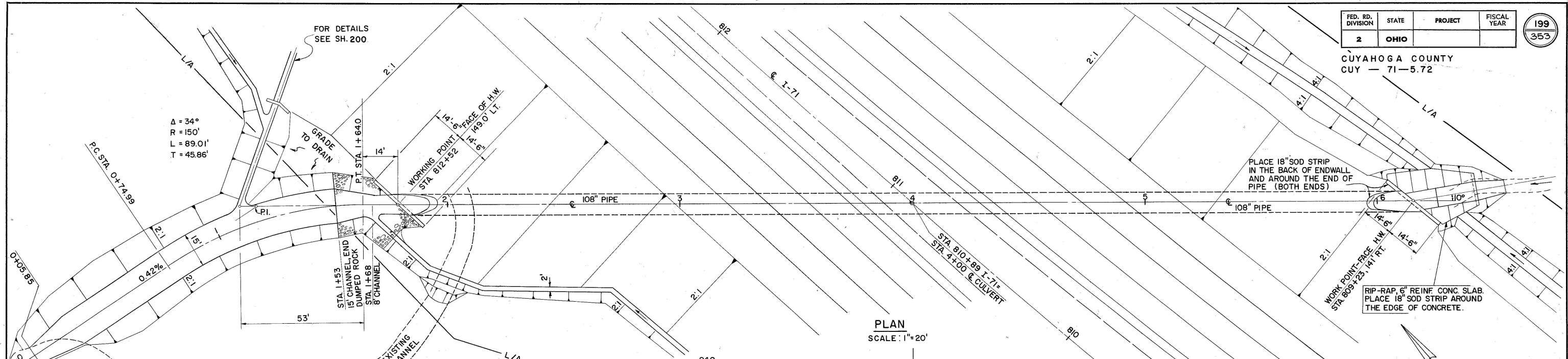


CFN 180710576
SLM 5.76

PACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

**MEDINA FREEWAY I-71
CULVERT DETAILS
STA. 790+10**

SCALE		DATE	
DESIGNED	DRAWN	TRACED	CHECKED
REVIEWED	DATE	REVIS	



AREA : 815 ACRES
Q 50 : 594 C.F.S

CULVERT DATA
TYPE : I-1 PIPE, CLASS A-1, SEC. M-6.4 (g) GA. 7-5 W/STD. SP-53 ENDWALLS
SIZE : 108"

ESTIMATED QUANTITIES

E-3 CHANNEL EXCAVATION	590 C.Y.
I-1 PIPE	436 L.F.
I-2 MASONRY	22 C.Y.
I-10 RIP-RAP, 6" REINF. CONC. SLAB	70 S.Y.
I-10 DUMPED ROCK CHANNEL PROT.	74 C.Y.
L-10 SODDING	35 S.Y.

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MEDINA FREEWAY I-71
CULVERT DETAILS
STA. 810 + 79

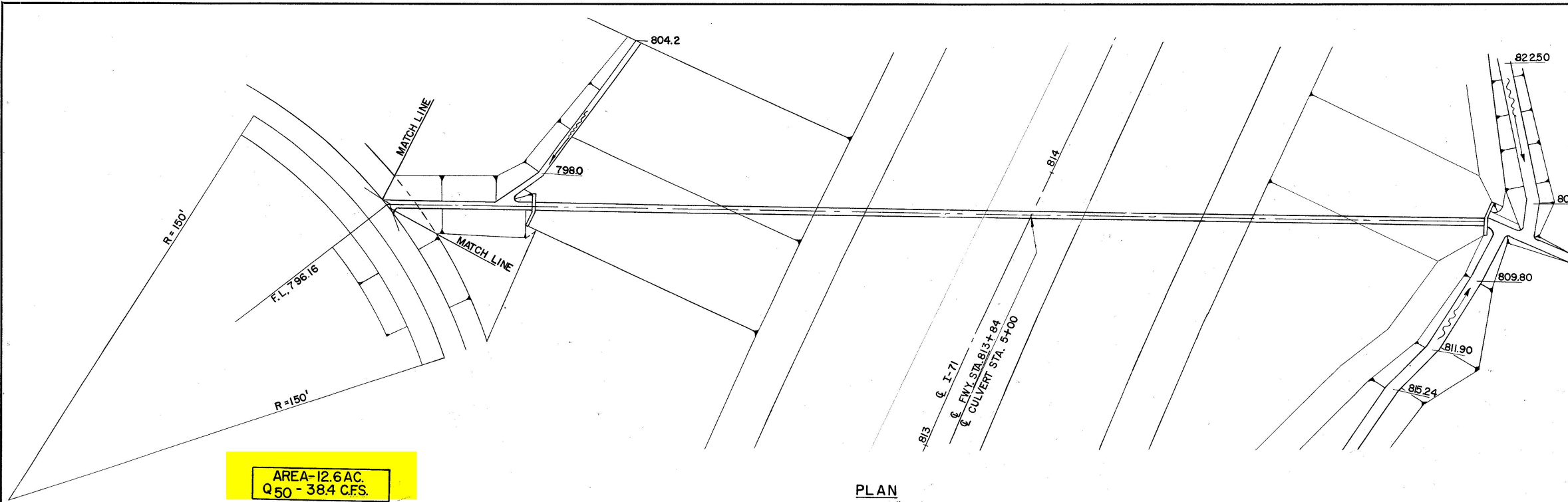
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DESIGNED	
DRAWN	
TRACED	
CHECKED	
REVIEWED	
DATE	
REVISED	

CFN 180710618
SLM 6.18

FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		

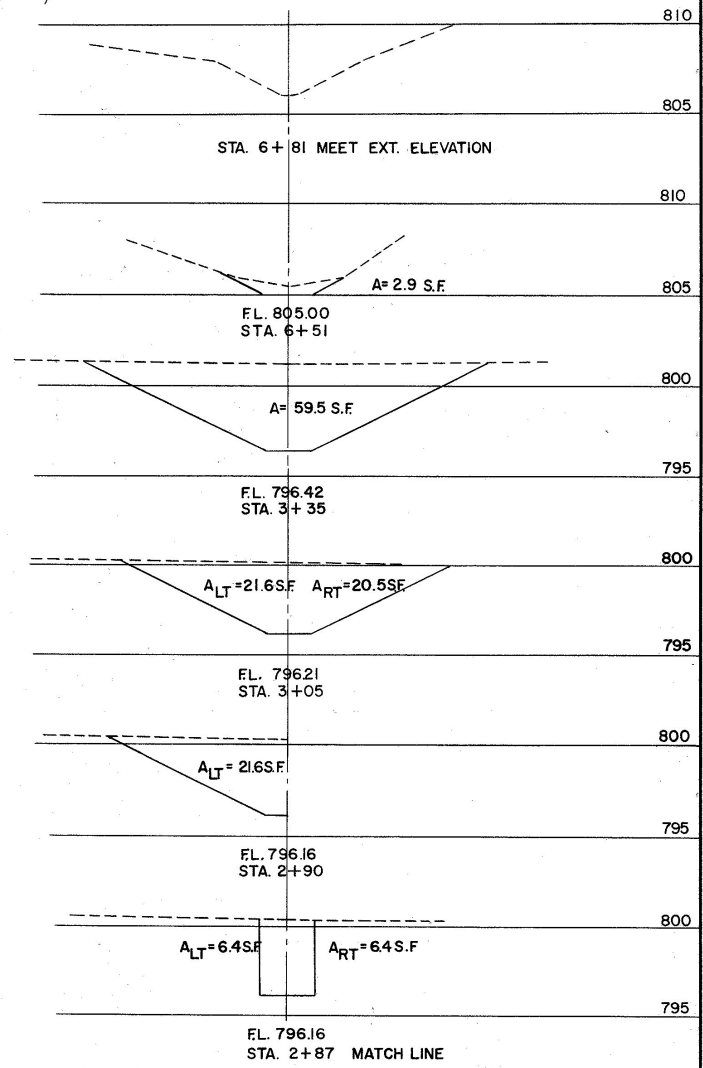
200
353

CUYAHOGA COUNTY
CUY — 71-5.72



AREA-12.6 AC.
Q₅₀ - 38.4 CFS.

PLAN
SCALE 1"=20'



CHANNEL CROSS SECTIONS
SCALE 1"=5'

CULVERT DATA

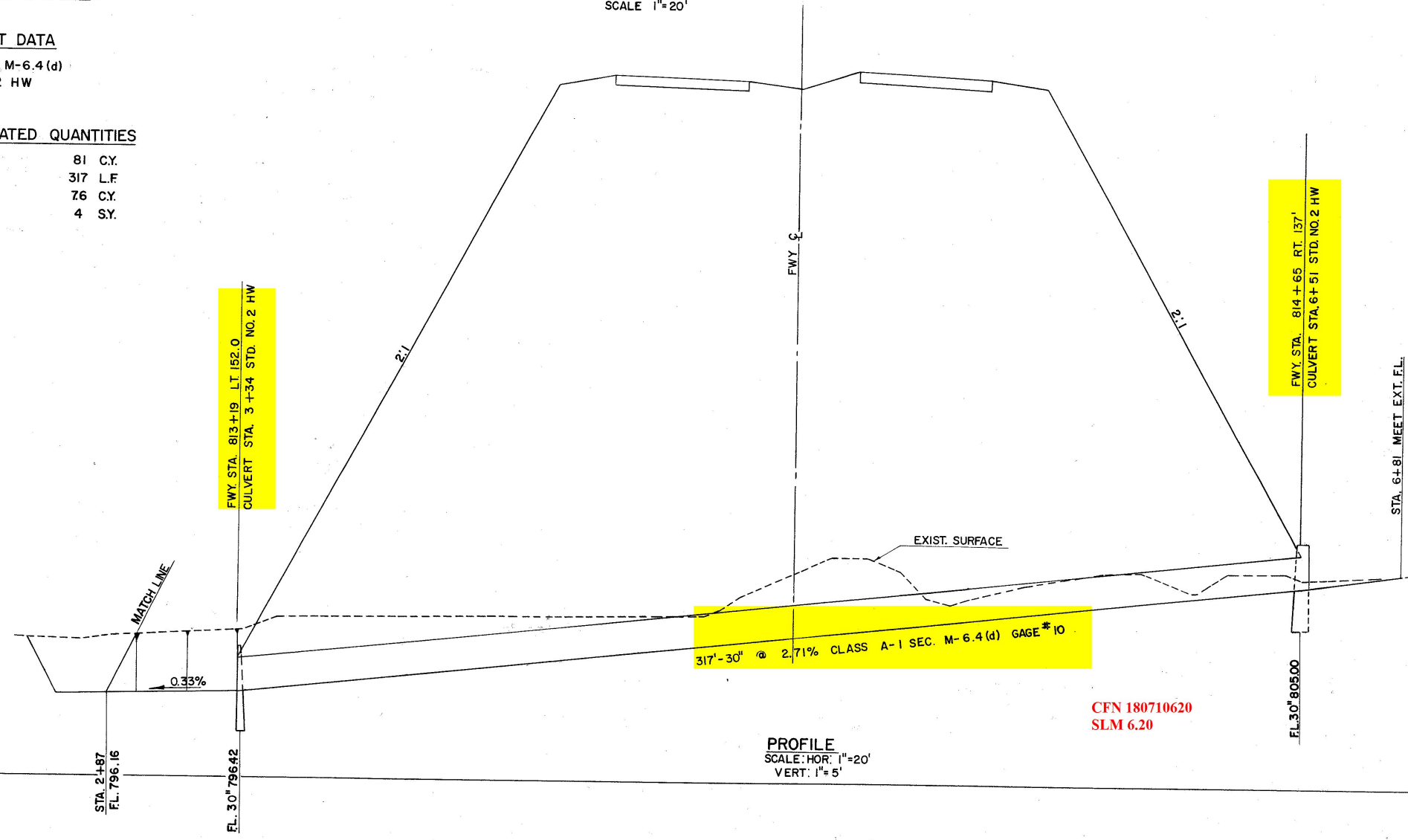
TYPE: I-1 PIPE CLASS A-1 SEC. M-6.4 (d)
GAGE #10 WITH STD. NO.2 HW

SIZE: 30"

ESTIMATED QUANTITIES

E-3	CHANNEL EXCAVATION	81 C.Y.
I-1	PIPE	317 L.F.
I-2	MASONRY	76 C.Y.
I-10	SOD	4 S.Y.

845
840
835
830
825
820
815
810
805
800
795
790



PROFILE
SCALE: HOR. 1"=20'
VERT. 1"=5'

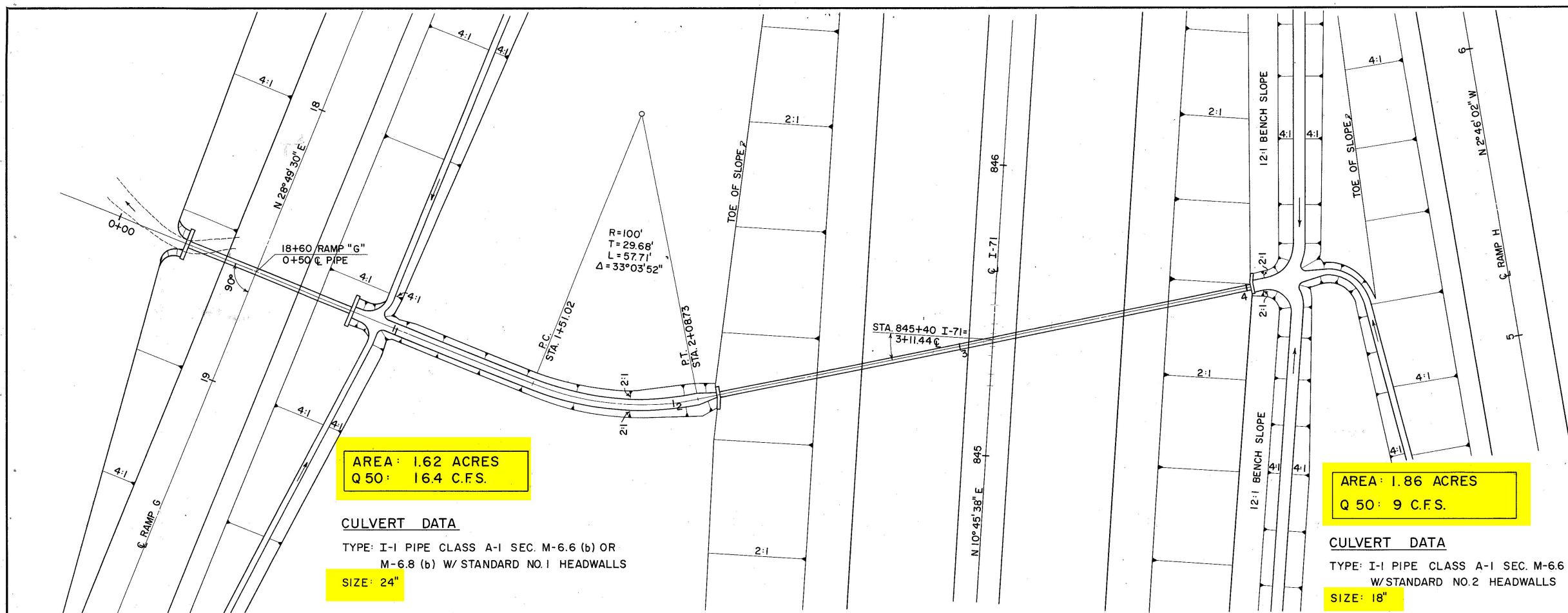
CFN 180710620
SLM 6.20

PACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

MEDINA FREEWAY I-71
CULVERT DETAILS
STA 813+84

SCALE		DATE			
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE

CUYAHOGA COUNTY
CUY — 71-5.72



AREA: 1.62 ACRES
Q 50: 16.4 C.F.S.

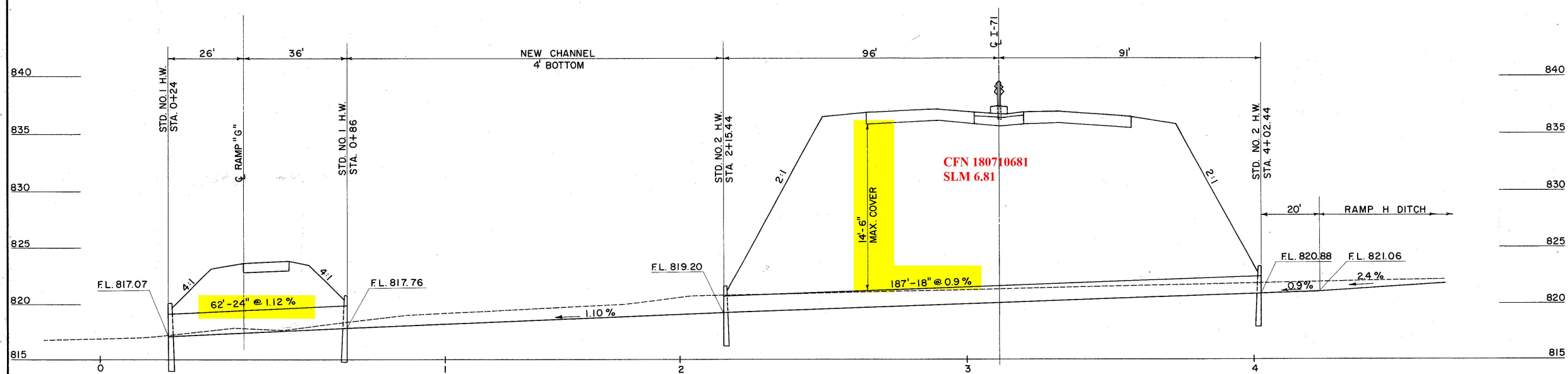
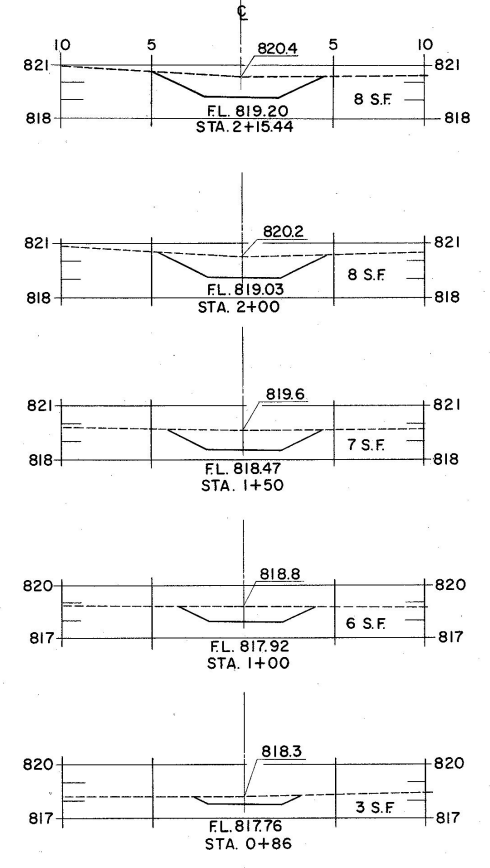
CULVERT DATA
TYPE: I-1 PIPE CLASS A-1 SEC. M-6.6 (b) OR M-6.8 (b) W/ STANDARD NO.1 HEADWALLS
SIZE: 24"

ESTIMATED QUANTITIES
E-3 CHANNEL EXCAVATION: 33 C.Y.
I-1 PIPE: 62 L.F.
I-2 MASONRY: 6.6 C.Y.
L-10 SODDING: 7 S.Y.

AREA: 1.86 ACRES
Q 50: 9 C.F.S.

CULVERT DATA
TYPE: I-1 PIPE CLASS A-1 SEC. M-6.6 (C) W/ STANDARD NO.2 HEADWALLS
SIZE: 18"

ESTIMATED QUANTITIES
E-3 CHANNEL EXCAVATION: 4 C.Y.
I-1 PIPE: 187 L.F.
I-2 MASONRY: 3.6 C.Y.
L-10 SODDING: 8 S.Y.



CFN 180710682
SLM 6.81

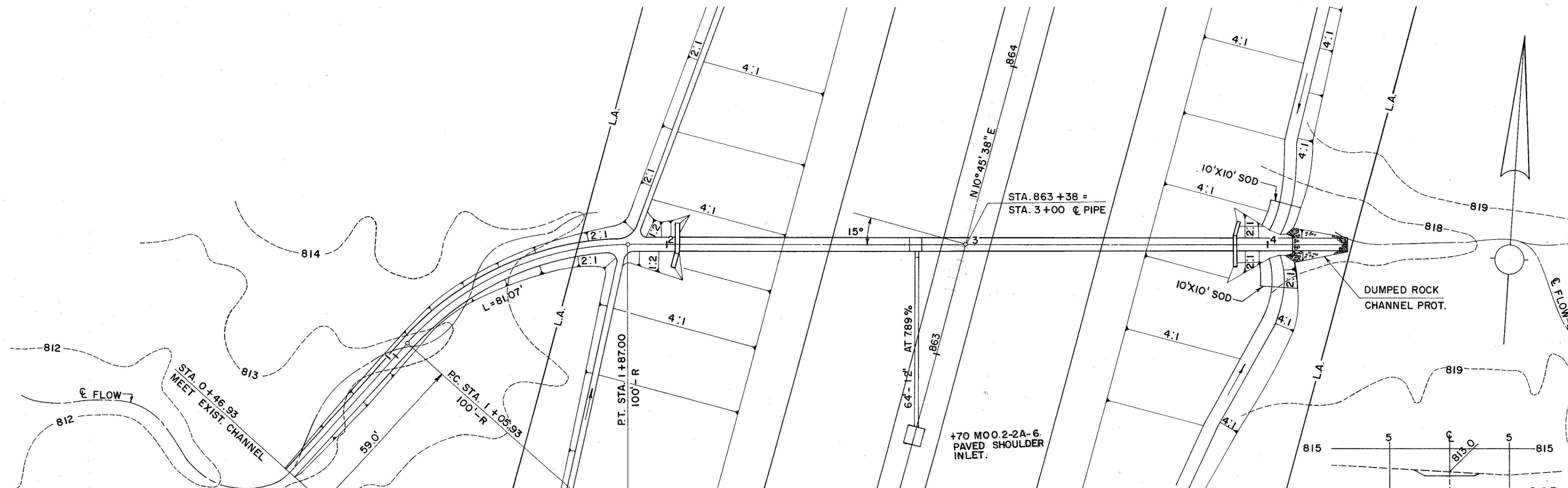
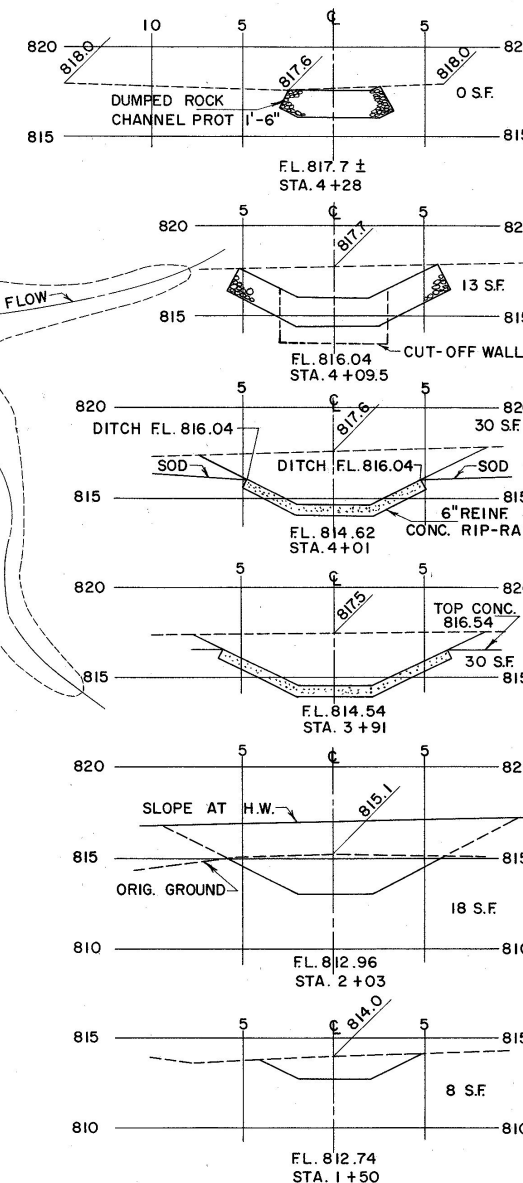
CFN 180710681
SLM 6.81

PACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

MEDINA FREEWAY
CULVERT DETAILS
STA. 18+60 RAMP G
STA. 845+40 I-71

SCALE	DATE
DESIGNED	
DRAWN	
TRACED	
CHECKED	
REVIEWED	
DATE	
REVISED	

CUYAHOGA COUNTY
CUY. - 71-5.72



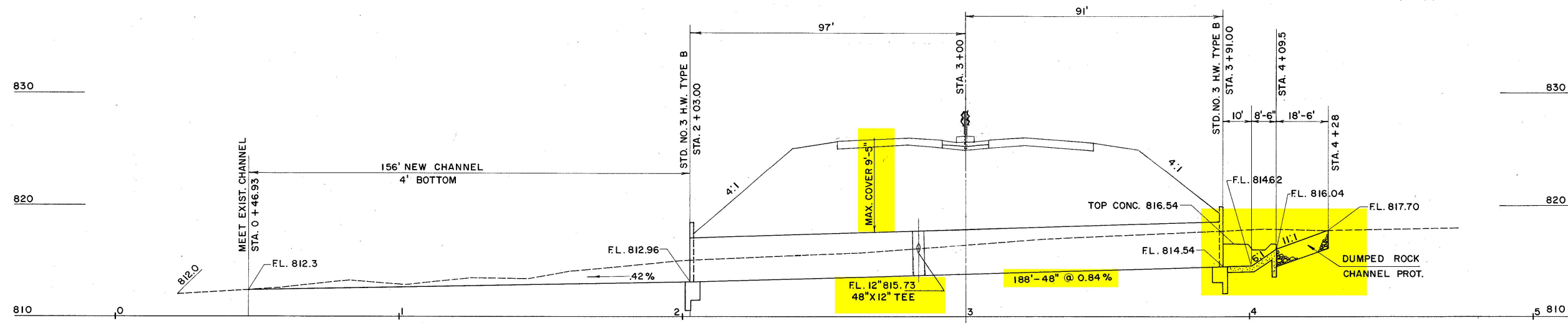
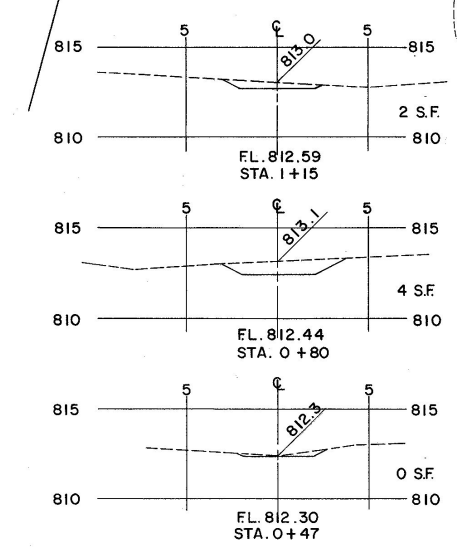
AREA : 56 ACRES
Q₅₀ : 100 C.F.S.

CULVERT DATA

TYPE : I-1 PIPE CLASS A-1 SEC. M-66 (b) W/STD. NO. 3 HW'S, TYPE B
SIZE : 48"

ESTIMATED QUANTITIES

E-3 CHANNEL EXCAVATION	62 CY.
I-1 PIPE	188 LF.
I-2 MASONRY	174CY.
I-10 6" REIF CONC. RIP-RAP	22 SY.
I-10 DUMPED ROCK CHANNEL PROT.	85CY.
L-10 SODDING	33 SY.
I-5 PIPE SPL 48"x12" TEE	1 E.A.



SCALE: HOR: 1" = 20'
VERT: 1" = 5'

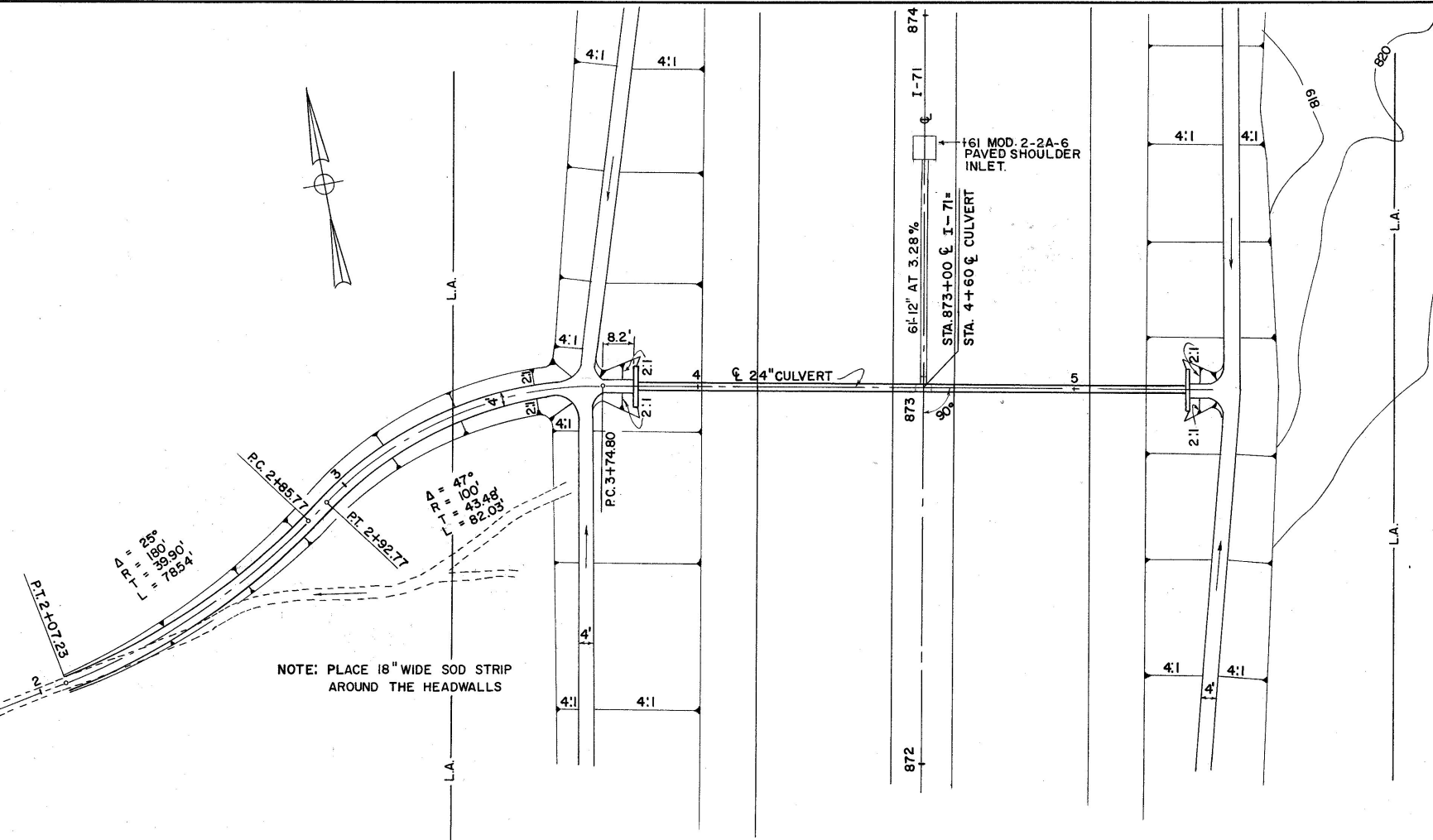
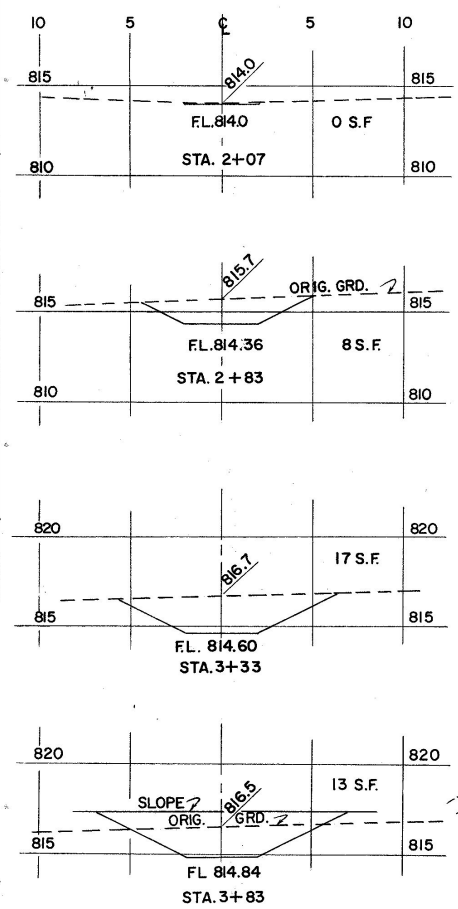
CFN 180710715
SLM 7.15

PACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

MEDINA FREEWAY I-71
CULVERT DETAILS
STA. 863 + 38

SCALE	DATE					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED

CUYAHOGA COUNTY
CUY - 71-5.72



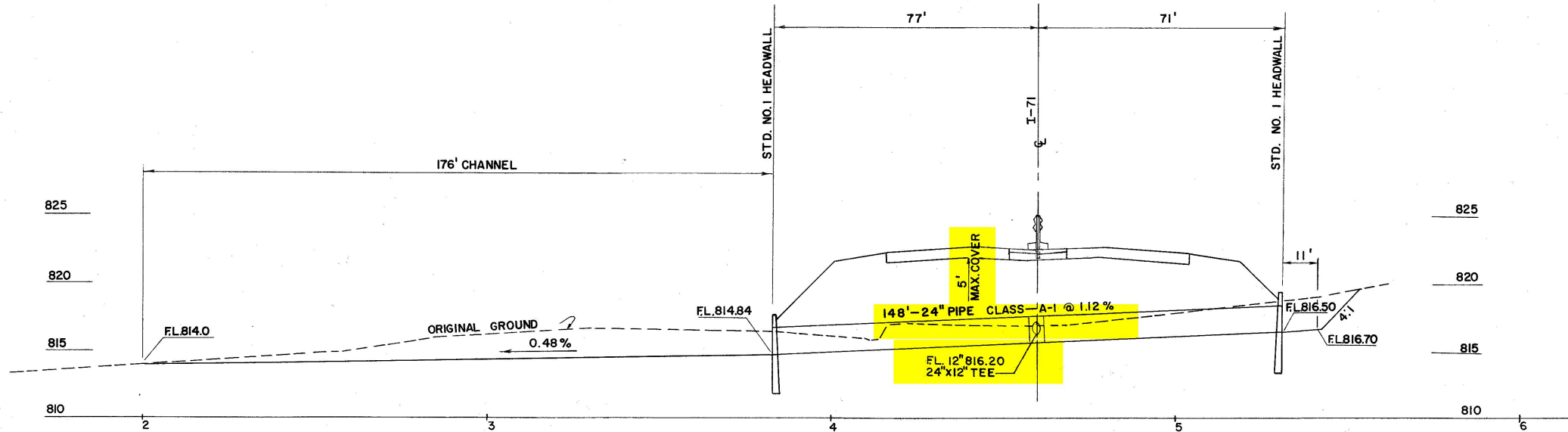
AREA : 54 ACRES
Q 50 : 214 C.F.S.

CULVERT DATA
TYPE : I-1 PIPE CLASS A-1 SEC. M-6.6(a) OR M-6.8(b)
WITH STD. NO. 1 HEADWALLS
SIZE : 24"

ESTIMATED QUANTITIES

E-3	CHANNEL EXCAVATION	65 C.Y.
I-1	PIPE	148 L.F.
I-2	MASONRY	6.6 C.Y.
L-10	SODDING	6.6 S.Y.
I-5	PIPE SPL 24"x12" TEE	1 E.A.

NOTE: PLACE 18" WIDE SOD STRIP AROUND THE HEADWALLS



SCALE: HOR. 1" = 20'
VERT. 1" = 5'

CFN 180710733
SLM 7.33

PACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

MEDINA FREEWAY I-71
CULVERT DETAILS
STA. 873+00

SCALE		DATE			
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE

CUYAHOGA COUNTY
CUY - 71 - 572

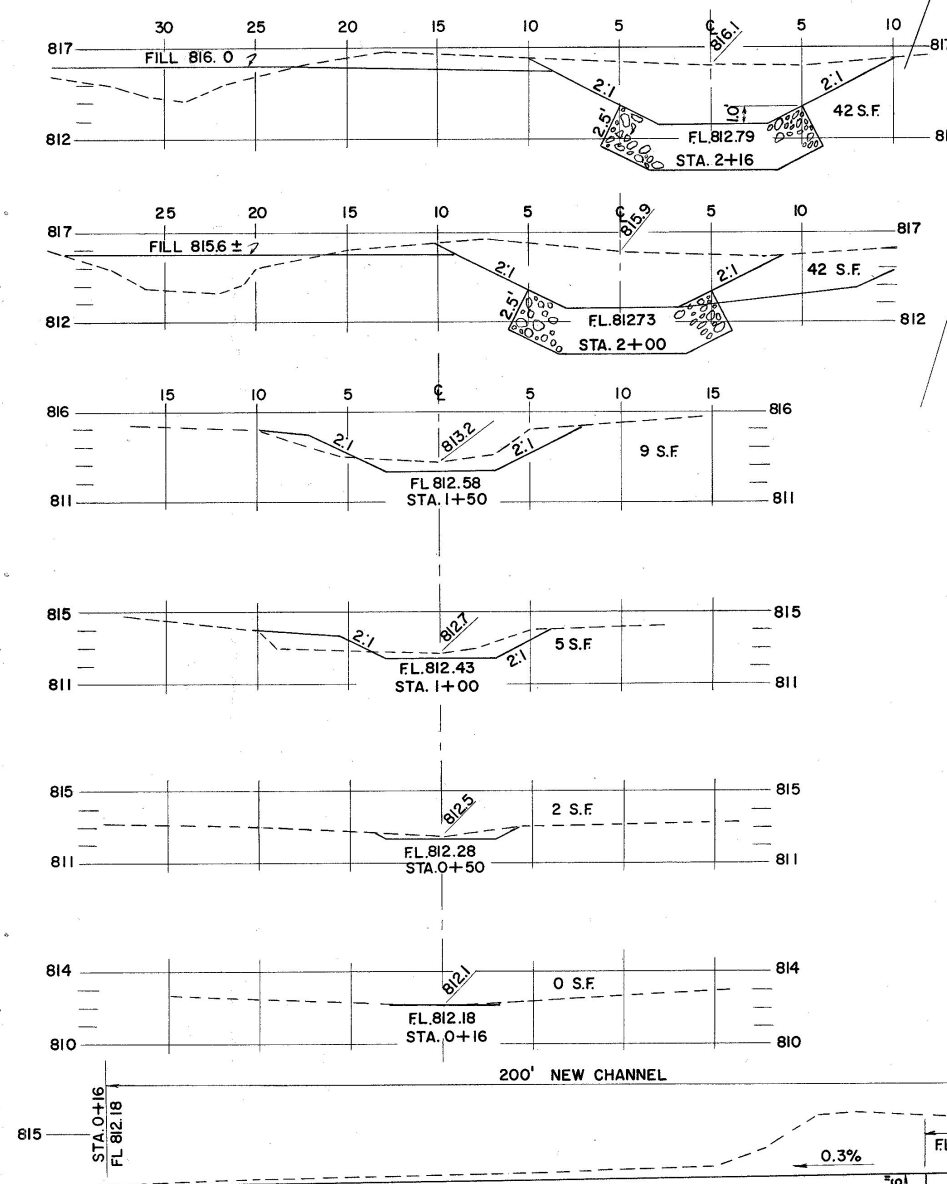
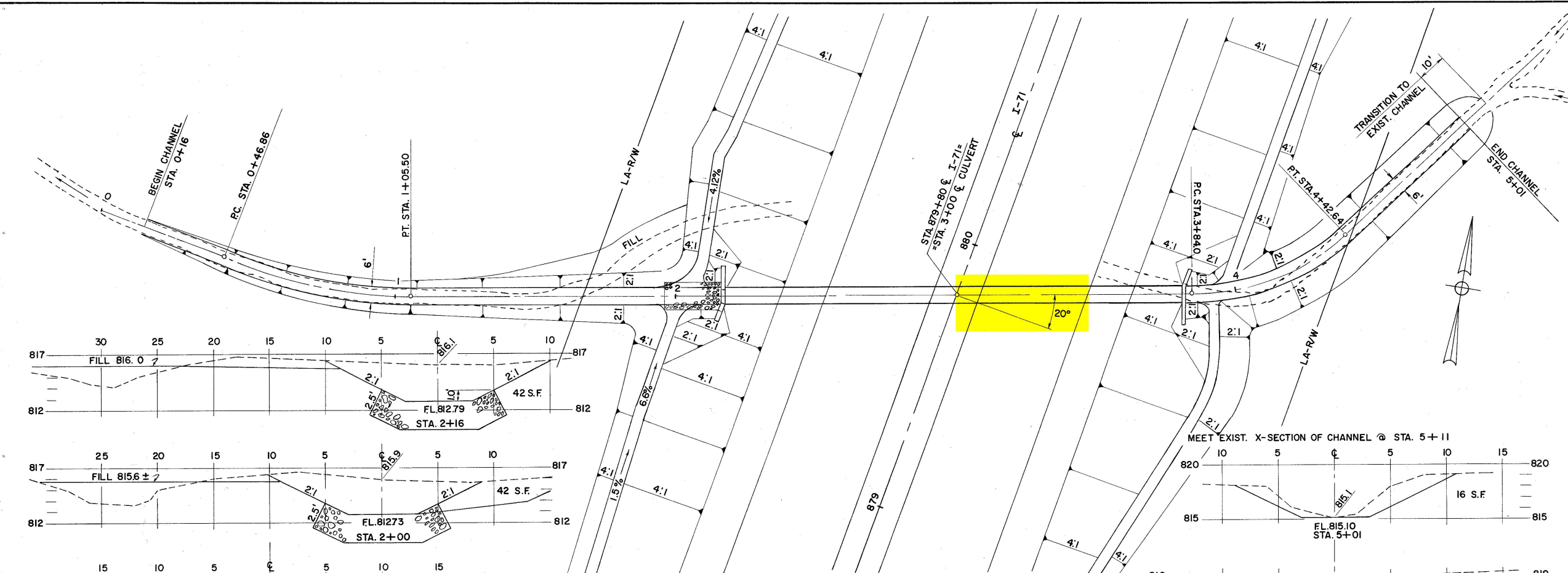
AREA : 148 ACRES
Q 50 178 C.F.S.

CULVERT DATA

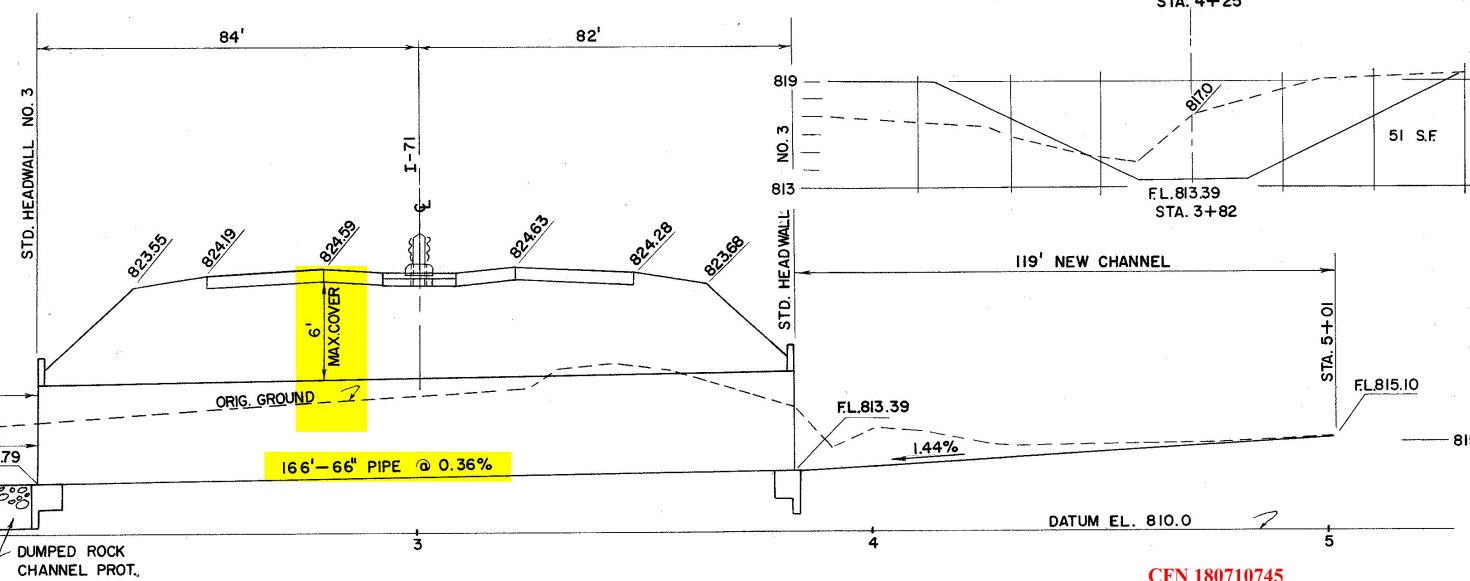
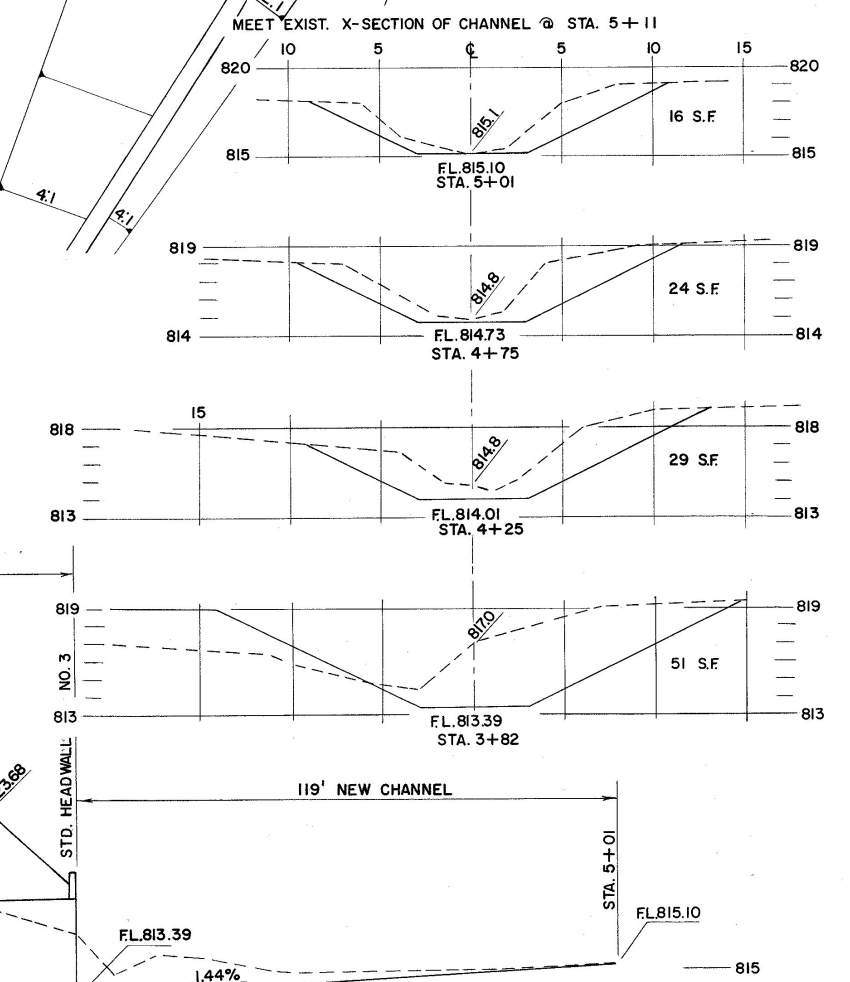
TYPE: I-1 PIPE CLASS A-1 SEC. M-6.6(a)
W/STD. NO. 3 HEADWALLS TYPE "B"
SIZE : 66"

ESTIMATED QUANTITIES

E-3	CHANNEL EXCAVATION	203 C.Y.
I-1	PIPE	166 L.F.
I-2	MASONRY	30 C.Y.
I-10	DUMPED ROCK CHANNEL PROTECTION	22 C.Y.
L-10	SODDING	15 SY.



NOTE :
PLACE 18" SOD STRIP AROUND THE HEADWALLS



SCALE: HOR. 1" = 20'
VERT. 1" = 5'

CFN 180710745
SLM 7.45

PACE ASSOCIATES OF OHIO
4500 EUCLID AVE. CLEVELAND 3, OHIO

**MEDINA FREEWAY I 71
CULVERT DETAILS
STA. 879+80**

SCALE	DATE
DESIGNED	DRAWN
TRACED	CHECKED
REVIEWED	DATE
	REVISED

