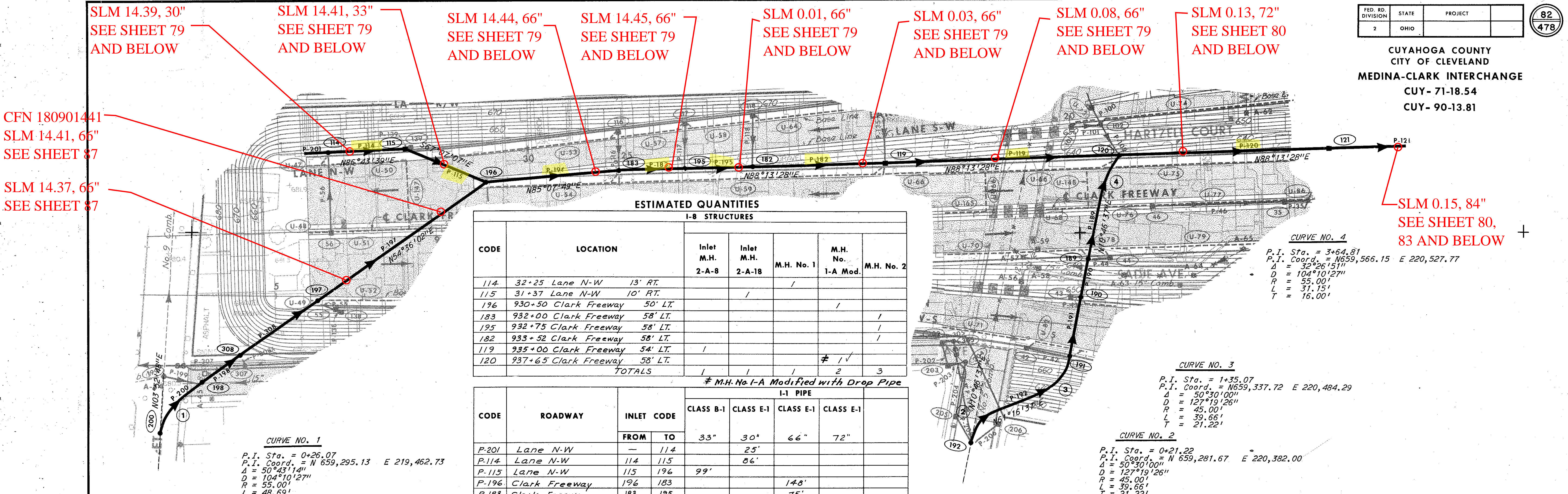


CUYAHOGA COUNTY
CITY OF CLEVELAND
MEDINA-CLARK INTERCHANGE
CUY- 71-18.54
CUY- 90-13.81



ESTIMATED QUANTITIES

I-B STRUCTURES

CODE	LOCATION	Inlet M.H. 2-A-8	Inlet M.H. 2-A-18	M.H. No. 1	M.H. No. 1-A Mod.	M.H. No. 2
114	32+25 Lane N-W 13' RT.					
115	31+37 Lane N-W 10' RT.					
196	930+50 Clark Freeway 50' LT.					
183	932+00 Clark Freeway 58' LT.					
195	932+75 Clark Freeway 58' LT.					
182	933+52 Clark Freeway 58' LT.					
119	935+00 Clark Freeway 54' LT.					
120	937+65 Clark Freeway 58' LT.					
TOTALS		1	1	1	2	3

I-1 PIPE

* M.H. No. 1-A Modified with Drop Pipe

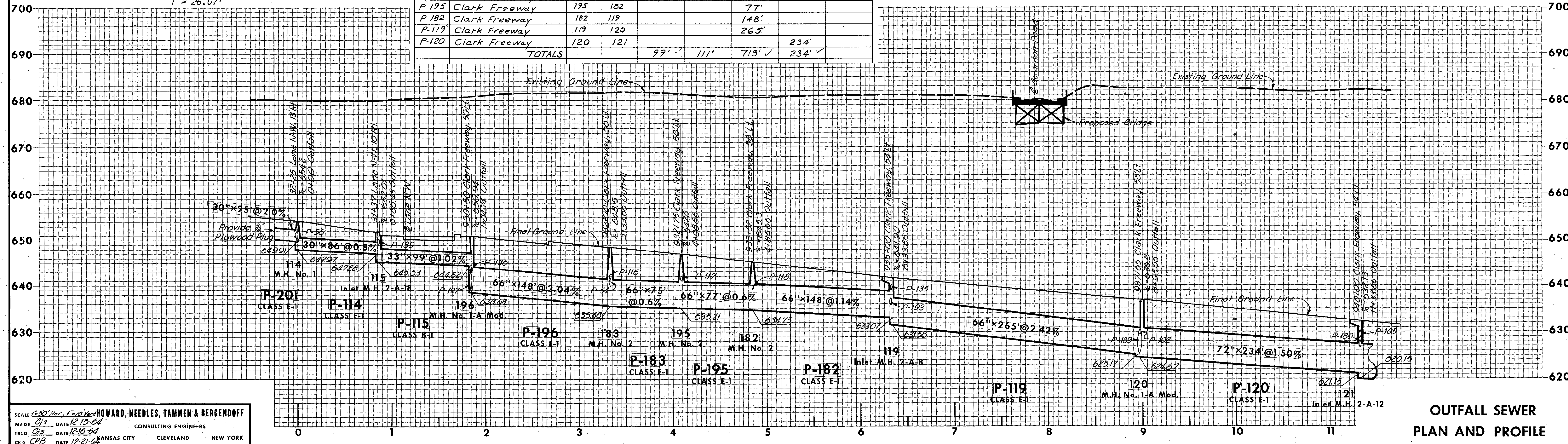
CODE	ROADWAY	INLET CODE		CLASS B-1	CLASS E-1	CLASS E-1	CLASS E-1
		FROM	TO	33"	30"	66"	72"
P-201	Lane N-W	-	114		25'		
P-114	Lane N-W	114	115		86'		
P-115	Lane N-W	115	196	99'			
P-196	Clark Freeway	196	183		148'		
P-183	Clark Freeway	183	195		75'		
P-195	Clark Freeway	195	182		77'		
P-182	Clark Freeway	182	119		148'		
P-119	Clark Freeway	119	120		265'		
P-120	Clark Freeway	120	121				234'
TOTALS				99'	111'	713'	234'

CURVE NO. 4
P.I. Sta. = 3+64.81
P.I. Coord. = N659,566.15 E 220,527.77
Δ = 32°26'15"
D = 104°10'27"
R = 55.00'
L = 31.15'
T = 16.00'

CURVE NO. 3
P.I. Sta. = 1+35.07
P.I. Coord. = N659,337.72 E 220,484.29
Δ = 50°30'00"
D = 127°19'26"
R = 45.00'
L = 39.66'
T = 21.22'

CURVE NO. 2
P.I. Sta. = 0+21.22
P.I. Coord. = N 659,281.67 E 220,382.00
Δ = 50°30'00"
D = 127°19'26"
R = 45.00'
L = 39.66'
T = 21.22'

CURVE NO. 1
P.I. Sta. = 0+26.07
P.I. Coord. = N 659,295.13 E 219,462.73
Δ = 50°43'14"
D = 104°10'27"
R = 55.00'
L = 48.69'
T = 26.07'



SCALE 1" = 20' Hor., 1" = 10' Ver.
MADE OF DATE 12-15-64
TRCD OF DATE 12-16-64
CKD CPB DATE 12-21-64
HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
KANSAS CITY CLEVELAND NEW YORK

**OUTFALL SEWER
PLAN AND PROFILE**