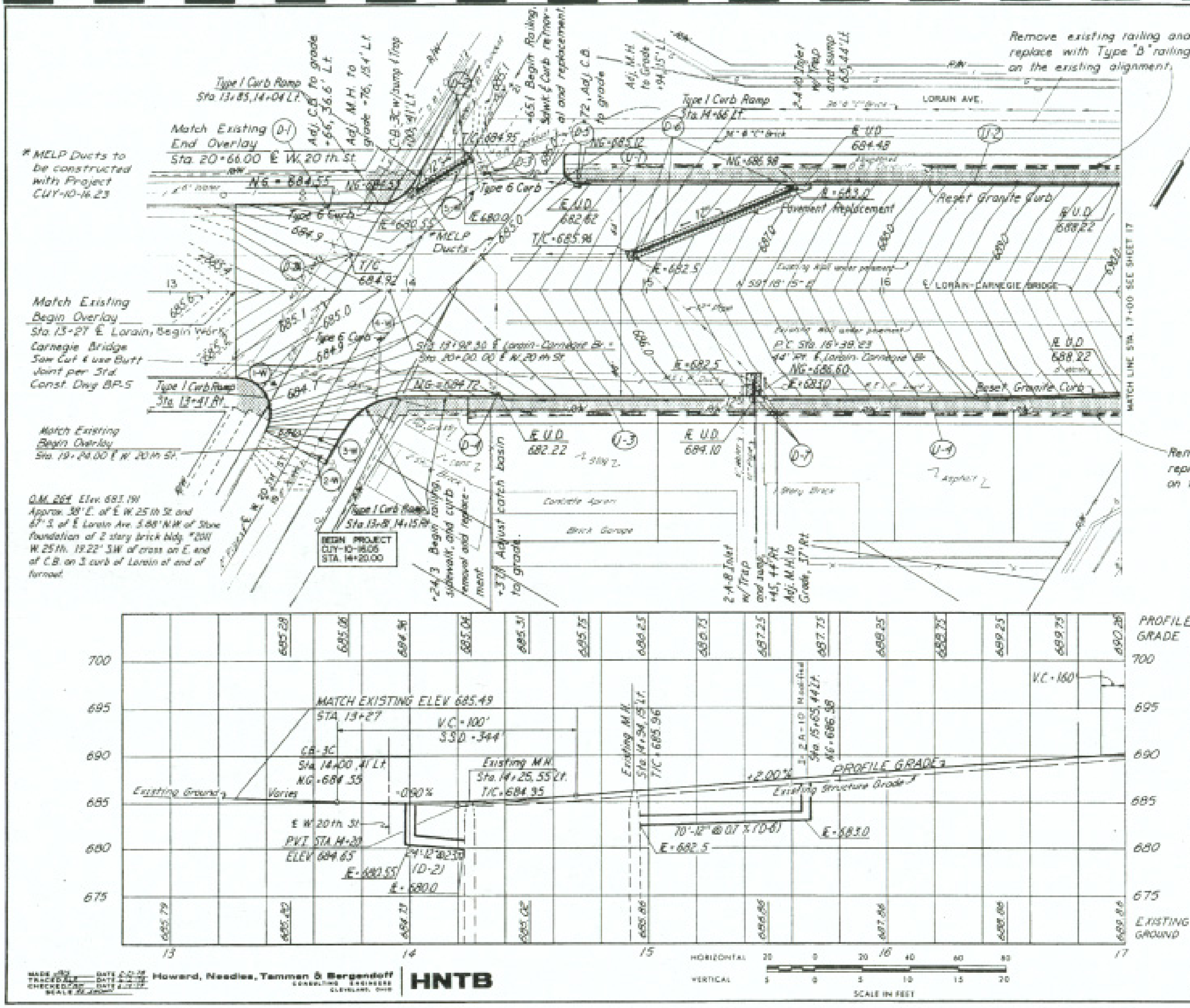
FHWA REGION	STATE	PROJECT	
5	OHIO		

16 / 107

CUYAHOGA COUNTY
CUY-10-16.05

QUANTITY CALCULATIONS

MADE BY MAT DATE 7-12-78
CHECKED BY TS DATE 7-13-78



REF. NO.	STATION		SIDE	605 6" PIPE UNDERDRAINS 706.08 PERFORATED AS PER PLAN		
	FROM	TO			Lin. Ft.	
U-1	14+72	15+60	Lt		88	
U-2	15+65	17+00	Lt		135	
U-3	14+37	15+40	Rt		103	
U-4	15+45	17+00	Rt		155	
			Totals		481	

UNDERDRAINS

ADJUST WATER VALVE TO GRADE			
SH. NO.	REF.	LOCATION	QUANTITY
16	1-W	13+43, 39' RT	1
"	2-W	W.20th ST. 19+25, 9' RT	1
"	3-W	W.20th ST. 19+31, 7' RT	1
"	4-W	13+88, 20' RT	1
"	5-W	14+27, 40' LT	1
17	6-W	17+26, 37' RT	1
TOTALS			6

SEWERS

REF. NO.	STATION FROM	STATION TO	SIDE	603 12" Conduit Type B	604 Standard No. 2-A-8 Inlet Modified As Per Plan	604 CUYAHOGA COUNTY No. 3C C.B.	604 M.H. ADJUSTED TO GRADE USING CUY. CO. MCSPR 28C AS PER PLAN	604 C.B. ADJUSTED TO GRADE	604 No. 2-A-10 Inlet Modified As Per Plan
				Lin. Ft.	Each	Each	Each	Each	Each
D-1	13+48		Lt					1	
D-2	14+00	14+35	Lt	29		1**	1		
D-3	14+11		Lt				1		
D-4	14+37		Rt					1	
D-5	14+72		Lt					1	
D-6	14+94	15+65	Lt	75			1		1**
D-7	15+45		Rt	9	1**		1		
D-7a	13+75		Lt				1		
	Totals			113	1	1	5	3	

Note: ** w/Trap and Sump

LEGEND

- Existing Conditions
- Project Curb
- Project Sidewalk
- Pavement Replacement
- Project Drainage Structures
- Manhole Adjusted To Grade
- Type A Railing
- Type B Railing

T/G = Top of Grate
T/C = Top of Cover
N/G = Normal Gutter
℄ = Flow Line
U/D = Underdrain

MADE BY MAT DATE 6-22-78
TRACED BY ... DATE 6-14-78
CHECKED BY TS DATE 6-15-78
SCALE AS SHOWN

Howard, Needles, Tammen & Bergendoff
CONSULTING ENGINEERS
CLEVELAND, OHIO

HNTB

PLAN-PROFILE STA. 13+00 TO STA. 17+00 (16)

LORAIN-CARNEGIE BRIDGE