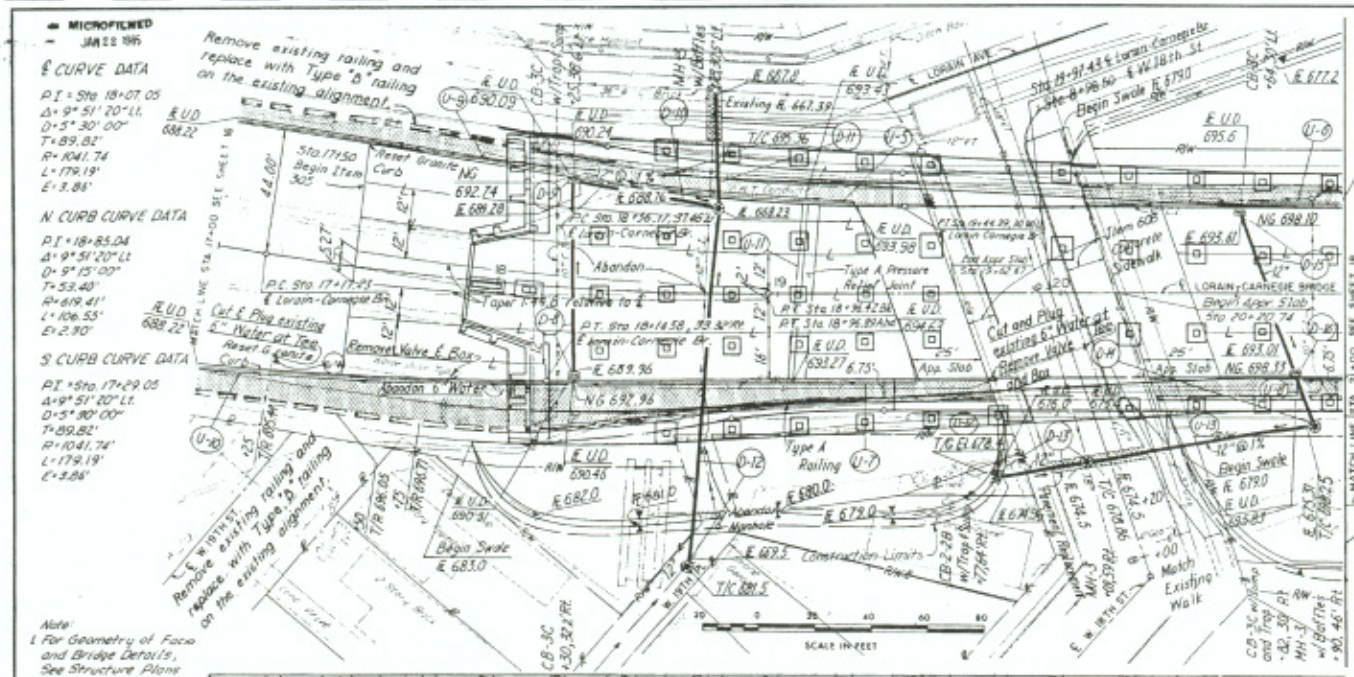
MICROFILMED
JAN 22 1996

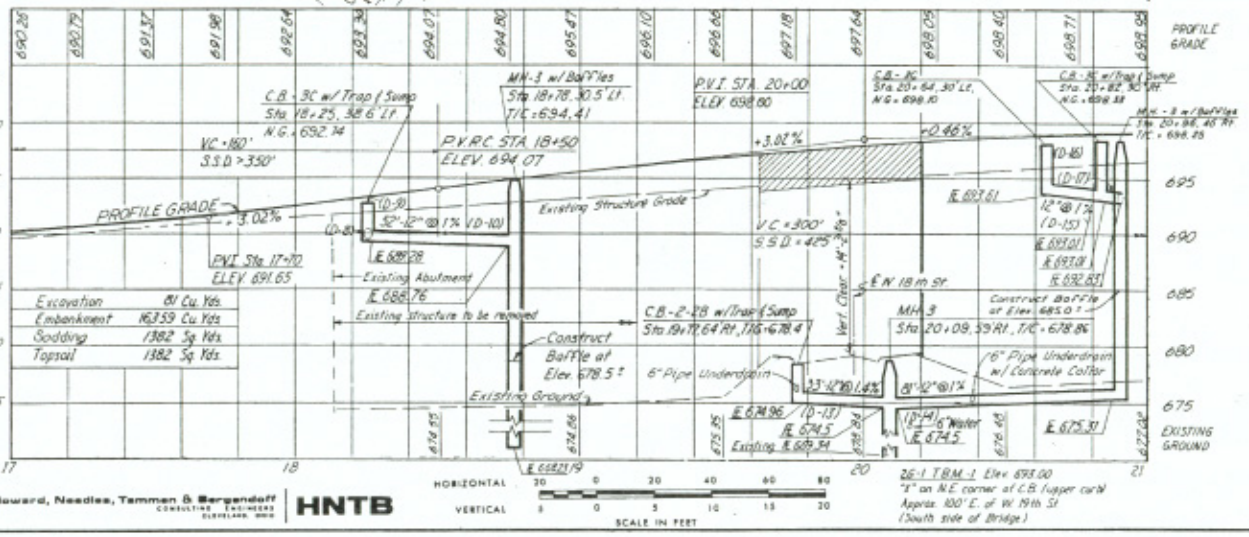


Note:
1. For Geometry of Face and Bridge Details, See Structure Plans
2. For Pavement Contours, See Sheet 13
3. For Pavement Removal See Sheet 26
4. For Profile (D-8, D-11(12)) See Sheet 27

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

Excavation	81 Cu. Yds.
Embankment	16359 Cu. Yds.
Sodding	1382 Sq. Yds.
Topsoil	1382 Sq. Yds.



MADE BY ____ DATE ____
TRACED BY ____ DATE ____
CHECKED BY ____ DATE ____
SCALE 1" = 20'

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

HNTB

QUANTITY CALCULATIONS
MADE BY MAT DATE 7-12-19
CHECKED BY TS DATE 7-12-19

APPROVED ____ DATE 4-26-19
ENGINEER OF DESIGN REVIEW

FHWA REGION	STATE	PROJECT	
5	OHIO		

17 IOT

CUYAHOGA COUNTY
CUY-10-16.05

ITEM 202 - MANHOLE ABANDONED

STATION FROM	STATION TO	SIDE	NUMBER	REMARKS
18+30		Rt	1	
18+78		Rt	1	
18+81		Rt		
Total			3	

UNDERDRAINS

REF. NO.	STATION FROM	STATION TO	SIDE	605 6" PIPE UNDERDRAINS 706.08 PERFORATED AS PER PLAN Lin. Ft.	603 6" PIPE 7.7 DI. F 707.01 Lin. Ft.
U-5	18+25	19+23	Lt	98	
U-6	20+64	21+00	Lt	36	
U-7	18+30	19+48	Rt	118	
U-8	20+60	21+00	Rt	38	
U-9	17+00	18+20	Lt	120	
U-10	17+00	18+26	Rt	126	
U-11	18+05	19+17.5	Crossing	66	
U-12	18+77		Rt		20
U-13	20+36	20+40	Rt		13
	Total			614	33

NOTE-FOR WATER WORK SUMMARY SEE SHEET 44

SEWERS 603 604

REF. NO.	STATION FROM	STATION TO	SIDE	603 12" CONDUIT TYPE B 707.02 D=2500 Each	603 STD NO. 2-09 C.B. AS PER PLAN Each	604 Standard No. 3 M.H. AS PER PLAN Each	604 CUYAHOGA COUNTY NO. 3C C.B. Each	604 12" TYPE C D.I. PIPE A.S.A. CL. 6 W PUSH-ON JOINTS Lin. Ft.	604 12" Conduit Type B Lin. Ft.
D-8	18+25	18+30	Lt				1		
D-9	18+27	18+30	Rt				1		
D-10	18+30	18+78	Rt				1	47	48
D-11	18+78	19+17	Lt				1	127	
D-12	19+17	19+64	Lt & Rt						49
D-13	19+64	20+09	Rt						33
D-14	19+77	20+09	Lt						32
D-15	20+09	20+60	Rt						51
D-16	20+64	20+82	Rt		1				168
D-17	20+82	20+98	Rt			1			231
			Totals		1	1	4	174	612
								Rt Sta 19+17 Trap and Sump	

26-1 TBM-1 Elev. 698.00
"X" on N.E. corner of C.B. (upper curb)
Approx. 100' E. of W. 19th St
(South side of Bridge.)

PLAN-PROFILE STA. 17+00 TO STA. 21+00 (17)

DRAIN-CARNEGIE BRIDGE