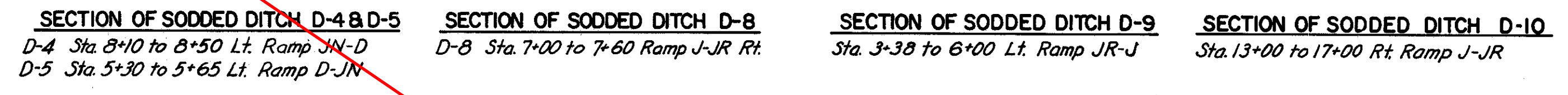


SLM 12.84, 15"
SEE SHEET 275

M.H. ADJUSTED TO GRADE		
Ref. No.	Existing T/C Elev.	Adjusted T/C Elev.
E-16*	672.96	672.45

*Reconstructed to grade



CFN 1968170
SLM 12.85, 15"
SEE SHEET 276

DRAINAGE QUANTITIES		I-1		I-8		I-16		L-10	
CODE	LOCATION	CL E-1	CL E-1	Std.	M.H.	C.B.	M.H.	Sodding	Sodding
		M 6.8(b)	M 6.8(b)	No.1 M.H.	Reconst. to Grade	Aband.	Aband.	Spec. Slope & Berm Protection	Spec. Slope & Berm Protection
		18"	21"	Mod.				Sq. Yd.	Sq. Yd.
EXISTING STRUCTURES									
E-11 Redman Ave.		Lin. Ft.		Each					
E-12 Redman Ave.				/					
E-13 Redman Ave.				/					
E-14 West 14th St.				/					
E-15 West 14th St.				/					
E-16 Redman Ave.				/					
E-17 Redman Ave.				/					
E-18 Redman Ave.				/					
E-19 Redman Ave.				/					
E-20 Redman Ave.				/					
E-21 Redman Ave.				/					
DITCH PROTECTION									
D-4 Ramp JN-D Lt.								29	
D-5 Ramp D-JN Lt.								25	
D-6 S.B. Jennings Frwy. Lt.								25	
D-7 N.B. Jennings Frwy. Rt.								25	
D-8 Ramp J-JR Lt.								47	
D-9 Ramp JR-J Lt.								189	
D-10 Ramp J-JR Rt.								334	
SANITARY SEWERS									
SP-3 Ramp JN-D Rt.				304					
SP-5 Reloc. Redman Ave.		135							
SP-6 Reloc. Redman Ave.		149							
SS-3 Ramp JN-D Rt.				/					
SS-4 Reloc. Redman Ave.		/							
SS-5 Reloc. Redman Ave.		/							
SS-6 Reloc. Redman Ave.		/							
TOTAL		284		304		4		1	
		9		1		624		50	

15" SEE SHEET 276

30+00 NORTHBOUND JENNINGS SEE SH.8

40+00 NORTHBOUND JENNINGS SEE SH.11

SLM 12.81, 15"
SEE SHEET 274

15" SEE SHEET 276

SLM 12.84, 30"
SEE SHEET 275

CFN 1968159
SLM 12.85, 15"
SEE SHEET 276

SLM 12.85, 30"
SEE SHEET 275

CFN 1968163
SLM 12.84, 15"
SEE SHEET 276

SLM 12.84, 15"
SEE SHEET 275

SLM 12.85, 15"
SEE SHEET 275

30" SEE SHEETS
276 AND 277

- DRAINAGE LEGEND**
- ⊕ PROPOSED STORM SEWER MANHOLE
 - ⊙ PROPOSED SANITARY MANHOLE
 - PROPOSED PAVED SHOULDER INLET
 - ▣ PROPOSED DITCH CATCH BASIN
 - ▤ PROPOSED PAVEMENT CATCH BASIN
 - PROPOSED STORM OR SANITARY SEWER
 - EXISTING MANHOLE
 - EXISTING CATCH BASIN
 - EXISTING STORM OR SANITARY SEWER
 - ▨ JUTE MATTING
 - ▧ SODDED DITCH

DRAINAGE QUANTITIES		I-1					I-5				
CODE	LOCATION	CL I-4	CL I-3	CL I-3	CL I-1	CL I-4	CL I-3	CL I-3	CL I-3	CL I-3	
		6"	6"	M 6.4(h)	6"	M 6.4(c)	25° Bend	60° Bend	90° Bend	Tee	
		Lin. Ft.					Each				
UNDERDRAINS											
U-3	Ramp JN-D Rt. 4+87 to 8+50	7	365							1	
U-4	Ramp JN-D Rt. 3+10 to 4+83	17	163							1	
U-5	S.B. Jennings Frwy. Lt. 33+00 to 33+95	10	85							1	
U-6	S.B. Jennings Frwy. Rt. 33+00 to 34+70	20	150								
U-7	S.B. Jennings Frwy. Rt. 34+70 to 35+00	10	20								
U-8	N.B. Jennings Frwy. Rt. 33+00 to 34+60	20	140								
U-9	Ramp D-JN Rt. 5+30 to 7+50	7	220								
U-10	Ramp D-JN Rt. 7+57 to 9+87	21	210								
U-11	S.B. Jennings Frwy. Lt. 37+15 to 39+95		280								
U-12	S.B. Jennings Frwy. Rt. 36+80 to 38+75	10	185								
U-13	N.B. Jennings Frwy. Lt. 38+75 to 40+00		125								
U-14	N.B. Jennings Frwy. Rt. 36+40 to 40+00		360								
U-15	Ramp J-JR Rt. 6+55 to 9+25	10	280		21						
U-16	Ramp J-JR Lt. 9+27 to 13+00	20	370					3		3	
U-17	Ramp J-JR Rt. 12+00 to 12+98	7	98					1			
U-18	Ramp J-JR Rt. 13+02 to 17+00		398								
U-19	Ramp JR-J Rt. 16+70(JR) to 6+70		820								
U-37	Ramp JN-D Rt. 3+20 to 8+50		530							1	
U-38	Ramp J-JR Rt. 9+00 to 10+50		200								
U-39	Ramp J-JR Rt. 10+50	87				8	2				
U-40	Ramp J-JR Rt. 13+50 to 17+00		360								
TOTAL		252	4269	1090	21	8	2	6	4	3	

E-12, L 14 & E-15 Seal Pipe at Catch Basin
For Sanitary Sewer Profiles See Sh.54

SCALE 1"=50'
HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
KANSAS CITY CLEVELAND NEW YORK

