

DRAINAGE QUANTITIES		I-1				I-5		
CODE	LOCATION	CI.F-4	CI.I-3	CI.I-3	CI.U-1	CI.I-3	CI.I-3	CI.I-3
		6"	6"	6"	6"	60" Bend	90" Bend	Tee
UNDERDRAINS		Lin. Ft.				Each		
U-64	Ramp 14-M Rt. 4+90 to 9+58			468				
U-65	Ramp 14-M Rt. 0+65 to 4+70	7		405			1	
U-66	Ramp 14-SBOR Lt. 0+65(N.M.) to 2+76			595		3		
U-67	S.B. Medina Lt. 920+00 to 923+20			370				
U-69	S.B. Medina Lt. 923+20 to 928+20	4	370	126		1		
U-70	S.B. Medina Lt. 928+20 to 929+50	6	130			1		
U-71	S.B. Medina Lt. 929+50 to 930+00	6	44			1		
U-72	SBOR Rt. 24+60 to 30+11		90	461				
U-73	SBOR Rt. 30+11 to 31+27			116				
U-74	SBOR Lt. 31+27				28		2	
U-75	SBOR Rt. 31+27 to 32+25	10		88				
U-76	Lane M-J Lt. 4+00 to 5+80		180					
U-77	N.B. Jennings Lt. 60+00 to 63+65		355					
U-78	Valentine Ave. Rt. 0+10 to 1+25	10		85				
U-79	Valentine Ave. Rt. 0+65(N.M.) to 1+25	20		60				
U-80	Valentine Ave. Lt. 0+30 to 1+21			105				
U-81	Valentine Ave. Lt. 1+21 to 1+45			25				
U-113	Lane M-J Lt. 5+25				23		1	
	Total	63	1444	2569	51	6	2	2

CFN 181761336
SLM xxxx, 84"
SEE SHEET 285

DRAINAGE QUANTITIES		E-12		I-16		L-10	
CODE	LOCATION	Pipe Removed	Pipe Removed	M.H. Aband.	C.B. Aband.	Sodding	Sodding
		15" & Under	over 15"			Sq. Yds.	Sq. Yds.
EXISTING STRUCTURES		Lin. Ft.		Each		Sq. Yds.	
E-36	Ramp 14-M Rt. 7+50			1			
E-37	Ramp 14-M Rt. 6+80			1			
E-38	Ramp 14-M Rt. 5+25			1			
E-39	Ramp 14-M Rt. 5+40			1			
E-40	Ramp 14-M Rt. 5+28			1			
E-41	Ramp 14-M Rt. 4+55			1			
E-42	Ramp 14-M Rt. 3+45			1			
E-43	Ramp 14-M Rt. 2+50			1			
E-44	Ramp 14-M Rt. 1+70			1			
E-45	Ramp 14-M Lt. 1+70			1			
E-46	Ramp 14-M Lt. 1+73			1			
E-47	S.B. Medina Lt. 920+80			1			
E-48	S.B. Medina Lt. 922+30			1			
E-49	S.B. Medina Lt. 925+05			1			
E-50	S.B. Medina 925+25 to 28+35 SBOR	203					
E-51	S.B. Medina Rt. 925+25			1			
E-52	S.B. Medina Rt. 925+28			1			
E-53	S.B. Medina Lt. 27+35			1			
E-54	S.B. Medina Lt. 28+15			1			
E-55	S.B. Medina Lt. 28+25			1			
E-56	SBOR Rt. 25+00			1			
E-57	SBOR Rt. 25+05			1			
E-58	SBOR Rt. 24+60			1			
E-59	SBOR Lt. 25+00			1			
E-60	S.B. Medina 922+55	140					
E-61	N.B. Jennings Lt. 62+25			1			
E-62	N.B. Jennings Rt. 62+25			1			
E-63	N.B. Jennings Rt. 62+40			1			
E-64	N.B. Jennings Rt. 63+20			1			
E-65	N.B. Jennings Rt. 63+70 to 66+15	300					
E-66	N.B. Jennings Rt. 64+90			1			
E-67	N.B. Jennings Rt. 66+15			1			
E-68	N.B. Jennings Rt. 66+15 to 68+95	275					
E-69	N.B. Jennings Rt. 68+95			1			
E-70	Valentine Ave. Rt. 0+15			1			
E-71	Valentine Ave. Lt. 0+20			1			
E-72	SBOR 31+20			1			
E-73	SBOR 30+50			1			
E-74	SBOR Lt. 28+35			1			
E-75	SBOR Lt. Rt. 920+80(S.B. Medina) to 26+10	785					
E-76	SBOR Rt. 27+20			1			
E-77	SBOR Rt. 26+10			1			
E-78	Ramp 14-M 4+55 to 7+50	300					
DITCH PROTECTION							
D-23	N.B. Jennings Rt. 60+00 to 64+50					140	
D-24	N.B. Jennings Rt. 63+53						30
D-25	N.B. Jennings Lt. 63+50						16
	Total	1728	275	9	28	140	46

MEDINA FRWY. TRUNK SEWER SOUTH BRANCH

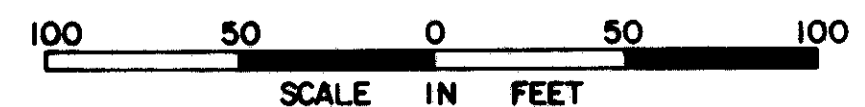
CFN 181761330
SLM xxxx, 84"
SEE SHEET 285

CFN 181761335
SLM xxxx, 84"
SEE SHEET 285

STORM SEWER RADIUS PIPE CURVE DATA

(P-76) & (P-187) PI. Sta. 920+53 @ S.B. Medina -34' Lt. Δ = 82°00'00" R = 70.00' T = 60.85' L = 100.18'	(P-74) PI. Sta. 60+00 @ N.B. Jennings -47' Rt. Δ = 62°00'00" R = 50.00' T = 30.04' L = 54.10'
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SCALE 1" = 50'
HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
KANSAS CITY CLEVELAND NEW YORK



- 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

E-36 & E-71 Seal Pipe at Catch Basin