

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
		6"	6"	6"	6"	6"	6"
		Lin. Ft.			Each		
UNDERDRAINS							
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			310			
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		
U-75	SBOR Rt. 31+27 to 32+25	10		88			2
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 Mid Lt. 5+25				23		1
	Total	63	1444	2569	51	6	2

SLM 18.12, 15"
SEE SHEET 287

SLM 18.00, 15"
SEE SHEET 286

SLM 18.00, 15"
SEE SHEET 297

SLM 18.12, 12"
SEE SHEET 287

SLM 18.12, 15"
SEE SHEET 287

SLM 18.00, 15"
SEE SHEET 297

CFN 180711798
SLM 17.95, 48"
SEE SHEET 285

CFN 180711797
SLM 17.95, 84"
SEE SHEET 298

CFN 181761336
SLM 17.95, 84"
SEE SHEET 285

CFN 181761335
SLM 13.34, 84"
SEE SHEET 285

CFN 181761330
SLM 13.30, 84"
SEE SHEET 262
AND 285

CFN 180711803
SLM 18.00, 48"
SEE SHEET 286

CFN 180711810
SLM 18.10, 48"
SEE SHEET 286

CFN 180711815
SLM 18.12, 48"
SEE SHEET 286

DRAINAGE QUANTITIES		E-12		I-16		L-10	
CODE	LOCATION	Pipe Removed	Pipe Removed	M.H. Aband.	C.B. Aband.	Sodding	Spec. Slope
		15" & Under	over 15"			Sq. Yds.	of Berm Protection
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

LANE M-J

MEDINA-JENNINGS FRWY. TRUNK SEWER

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

SCALE IN FEET
100 50 0 50 100

- 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

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'

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