F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20R-5	LAKE	562	236
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

D-91-552-99 60881

DRAINAGE STRUCTURES TABLE

STRUCT. NO.	STA.	OFFSET	TYPE MH	TYPE CB	TYPE INL.	DIA.	FRAME	TOP OF GRATE	N. INV.	E. INV.	S. INV.	W. INV.	OTHER INV.	SHEET NO.
49	103+781.550	11.55 RT	A			1500	T1F CL	204.615	202.815	201.961		201.961		13
50	103+845.650	11.5 RT	A			1500	T1F CL	204.231		201.524		201.524	202.650	13
51	103+932.000	12.36 RT	A			2100	T1F CL	203.803	202.000	201.010		201.010		13
52	104+020.000	13 RT	A			2100	T1F CL	202.868	201.400	200.570		200.570		13
53	104+107.000	16.5 RT	A			2100	T1F CL	202.603	201.185	200.440		200.440		14
54	104+200.000	20.67 RT	A			2100	T1F CL	202.100	201.700	200.300		200.300		14
55	104+251.280	18.36 RT	A			2100	T1F CL	202.366	201.599	200.230		200.230		14
56	104+297.420	18.88 RT	A			2100	T1F CL	202.792		200.160		200.160		14
57	104+343.410	16.62 RT	A			2100	T1F CL	202.593	201.160	200.090		200.090		14
58	100+792.200	16.9 LT	A			1200	T1F CL	212.000		209.353				3
59	104+403.110	12 RT	A			2100	T1F CL	202.306	200.879	200.016		200.016		14
●●● 60	104+463.450	17 RT	VORT.			5.5X3.7	(3) T1F CL	201.734	199.946				199.946	15
61	102+398.795	11.5 RT	A ✳			2100	(2) T1F CL	209.613	207.980	207.802	OUTLET	207.802	208.163	9
62	103+269.450	11.5 RT	A			2100	T1F CL	208.602	205.500	205.473		205.473	207.000	11
63	104+461.970	11.77 RT	A, SP ✳			2100	(2) T1F CL	202.029		199.948	199.948	199.948		15
64	104+464.970	11.67 RT	A			2100	T1F CL	202.029	199.944	199.944	199.944	199.944		15
65	100+950.000	14.5 LT	A			1200	T1F CL	211.250		208.830	210.553	208.830		4
66	101+007.770	15.2 LT	A			1200	T1F CL	212.274 △1		209.553	210.529	208.953		4
67	100+121.560	16.55 RT	A			1200	T1F CL	215.333	213.630	212.766		212.766	213.300	1
68	100+551.530	12.05 RT	A ✳			1800	(2) T1F CL	211.590	210.139	210.139		210.139		3
69	100+579.300	11.87 RT	A ✳			1800	(2) T1F CL	211.471	210.255	210.255		210.255		3
70	102+018.330	13.61 RT	A			1200	T1F CL	210.681	208.582	208.582		208.582	208.582	7
71	100+382.780	12.28 RT	A			1200	T1F CL	212.840	211.150	210.929		210.929		2
72	10+046.000	6.59 LT	A			1200	T1F CL	201.996						
73	NOT USED													
74	NOT USED													
75	NOT USED													
76	NOT USED													
77	NOT USED													
78	NOT USED													
79	NOT USED													
80	NOT USED													
81	NOT USED													
82	NOT USED													
83	10+108.730	11.55 RT		CB A		1200	T24 FG	210.774		209.404		209.404		16
84	9+893.700	11.64 RT			FES	300			209.058					17
85	9+902.140	11.77 RT			FES	300					208.800			17
86	9+960.150	11.75 RT			FES	300			209.130					17
87	9+967.000	11.43 RT			FES	300					210.356			17
88	102+723.400	14.73 LT			FES	300				209.413				10
89	102+737.850	15.14 LT			FES	300						209.335		10
90	102+769.980	15.58 LT		CB A		1200	T8G	209.179			207.999			10
91	104+134.000	68.25 RT			INL A	600	T24 FG	202.050		201.430		201.430		14
92	104+598.970	3.33 LT			INL A	600	T1F OL	201.110				199.930		15
93	100+046.260	15.14 RT		CB A		1200	T24 FG		214.647		214.674			1
94	103+570.000	13.5 RT		CB A		1200	T8G	206.869	205.689					12
95	100+083.890	14 RT		CB A		1200	T24 FG	215.832	214.329		214.329			1
96	100+121.850	12.9 RT		CB A		1200	T24 FG	215.283	213.638		213.638			1

PROPOSED SEWERS TABLE

NO.	U/S STA.	TYPE	D/S STA.	DIA. (mm)	LENGTH (m)	TB (CU M)	SHEET NO.
49	103+781.55	2	103+845.65	1050	62.3	233.0	13
50	103+845.65	2	103+932.00	1325X850	85.0	347.2	13
51	103+932.00	2	104+020.00	1500X950	87.0	452.0	13
52	104+020.00	2	104+107.00	1700X1075	86.0	338.2	13
53	104+107.00	2	104+200.00		91.3	328.4	14
54	104+200.00	2	104+251.28	1700X1075	48.2	85.7	14
55	104+251.28	2	104+297.42	1700X1075	44.7	126.9	14
56	104+297.42	2	104+334.96	1700X1075	35.1	147.5	14
57	104+343.41	2	104+403.11	300	56.6	229.3	14
58	100+792.20	2	100+850.00	300	56.2	174.0	3
59	104+403.11	2	104+461.97	1700X1075	56.6	195.0	15
60	104+464.97	2	104+475.00	1700X1075	31.0	73.9	15
61	104+461.97	2	104+464.97	1700X1075	1.5	2.9	15
62	103+269.45	2	103+339.73	1050	73.0	356.8	11
63	104+461.97	2	104+463.45	1350	2.8	8.2	15
64	104+463.45	2	104+464.97	1350	2.8	8.2	15
65	100+950.00	2	100+954.87	450	1.7	4.3	4
66	101+007.77	2	100+993.99	450	10.9	43.8	4
67	100+121.56	2	100+161.00	300	37.7	108.6	1
68	100+551.53	1	100+561.56	1050X675	9.6	5.8	3
69	100+579.30	1	100+568.87	750X475	10.1	4.7	3
70	102+018.33	2	101+987.00	450	30.4	69.2	7
71	100+382.78	2	100+444.96	600	60.7	135.4	2
72	NOT USED	2	10+046.00	375	3.5		18
73	NOT USED		-				
74	NOT USED		-				
75	NOT USED		-				
76	NOT USED		-				
77	NOT USED		-				
78	NOT USED		-				
79	NOT USED		-				
80	NOT USED		-				
81	NOT USED		-				
82	NOT USED		-				
83	10+108.73	1	10+108.73	300	1.6	0.9	16
84	09+893.70		09+902.14	300	8.4	2.3	17
85	10+108.73	1	10+108.73	300	0.5	0.3	16
86	09+967.00		09+960.15	300	6.8	1.9	17
87	NOT USED		-				
88	102+723.40		102+737.85	300	13.0	4.1	10
89	104+598.97	1	104+596.76	300	1.5	0.5	15
90	102+769.98	1	102+769.98	300	1.0	0.4	10
91	104+136.30	1	104+134.00	300	2.1	0.5	14
92	104+134.00	1	104+132.30	300	1.6	0.4	14
93	100+046.26	2	100+046.23	300	1.3	1	1
94	103+570.00	1	103+570.00	300	1.0	0.4	12
95	100+083.89	2	100+083.89	300	2.3	1.5	1
96	100+121.85	2	100+121.56	300	1.8	1.4	1

LEGEND:

- FST — FLAT SLAB TOP
- FES — FLARED END SECTION
- FES-E — FLARED END SECTION, ELLIPTICAL EQUIVALENT ROUND SIZE
- ● — VORTEX MANHOLE LOCATION NO. 1
- ●● — VORTEX MANHOLE LOCATION NO. 2
- ●●● — VORTEX MANHOLE LOCATION NO. 3
- ✳ — RESTRICTOR PLATE

NOTES:

1. OFFSETS AND ELEVATIONS FOR CATCH BASINS AND INLETS IN CURB AND GUTTER ARE TO EDGE OF PAVEMENT.
2. OFFSETS AND ELEVATIONS TO ALL OTHER STRUCTURES ARE TO CENTER OF STRUCTURE.

REVISIONS	
NAME	DATE
△1 ADDENDUM #1	5/20/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL RTE 22 (FAP 337)
IL RTE 83 TO US 45 / IL 21 (MILWAUKEE AVE)

DRAINAGE SCHEDULES

SHEET 2 OF 11

SCALE: NONE DRAWN BY: MB

DATE: 03-22-2004 CHECKED BY: JNR

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		