F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20R-5	LAKE	562	235
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.
1	100+046.230	18.25 RT	A			1200	T1F CL	216.333	214.000	213.209		214.876		1
2	100+161.000	12 RT	A			1200	T1F CL	215.033	213.221	212.390		212.540		2
3	100+235.580	12.3 RT	A			1200	T1F CL	214.009	212.350	211.800		211.953		2
4	100+340.000	12.3 RT	A			1200	T1F CL	213.227	211.547	211.177		211.177		2
5	100+444.960	12.2 RT	A			1500	T1F CL	212.307	210.798	210.397		210.564		2
6	100+496.840	12.05 RT	A			1500	T1F CL	211.947	210.410	210.246		210.246		3
7	100+621.910	11.87 RT	A			1500	T1F CL	211.798	210.339	210.339	210.339	210.339		3
8	100+665.000	11.91 RT	A			1200	T1F CL	212.368	210.790	211.346		210.750		3
9	100+748.470	11.86 RT	A			1200	T1F CL	213.572		211.553		211.553		3
10	100+850.000	15.91 LT	A			1200	T1F CL	213.965	1	209.195	211.674	209.195		4
● 11	100+954.870	15.27 LT	VORT.			4.6X2.7	(3) T1F CL	211.250		208.811		208.811		4
●● 12	100+993.990	15.27 LT	VORT.			4.3X2.4	(3) T1F CL	211.000		208.811		208.811		4
13	101+098.990	15.3 LT	A			1200	T1F CL	213.079		211.383		211.780		4
14	101+204.000	15.27 LT	A			1200	T1F CL	214.125		213.000		212.740		5
15	101+289.990	14 LT	A			1200	T1F CL	214.423	213.610	212.980				5
16	101+370.000	14 RT	A			1800	T1F CL	212.990	212.040	210.465		211.045		5
17	101+476.100	17.3 RT	A			1800	T1F CL	211.531	209.646	209.646		209.646		5
18	101+583.686	19 RT	A ✳			1800	(2) T1F CL	211.254	209.562	209.433		209.433		6
19	101+589.736	19 RT	A			1800	T1F CL	211.250	209.417		209.417	209.417		6
20	101+590.910	15 RT	A			1800	T1F CL	210.658	209.370		209.348	209.348		6
21	101+665.760	15 RT	A ✳			1800	(2) T1F CL	211.405	210.312	210.090	210.090	210.139		6
22	101+717.340	15 RT	A			1200	T1F CL	211.269	210.550			210.323		6
23	101+818.000	14 RT	A			1200	T1F CL	211.745	210.318	209.284				6
24	101+881.980	14 RT	A			1200	T1F CL	211.580	210.126	208.850		209.000		7
25	101+987.000	14 RT	A			1800	T1F CL	211.054		208.400	208.400	208.400		7
26	101+987.000	17 RT	A ✳			1800	(2) T1F CL	211.054	208.378		208.378			7
27	102+067.000	14 RT	A			1200	T1F CL	211.137	209.225			208.870		8
28	102+144.500	12.35 LT	A			1200	T1F CL	210.341	209.400	208.920				8
29	102+224.130	12.12 LT	A			1200	T1F CL	210.455		208.520	208.999	208.520		8
30	102+301.900	14 LT	A			1500	T1F CL	210.172		208.290	208.621	208.290		8
31	102+365.770	14 LT	A			1500	T1F CL	209.755		208.170		208.170		8
32	102+399.980	12.5 LT	A			1500	T1F CL	209.690		208.100	208.100	208.100		9
33	102+495.000	12.47 LT	A			1200	T1F CL	209.408		208.647	208.647	208.445		9
34	102+574.990	12 LT	A			1500	T1F CL	210.056		208.570		208.704		9
35	102+653.000	12.33 LT	A			1500	T1F CL	210.014		208.229	208.410	208.417		9
36	102+769.950	12 RT	A ✳			1800	(2) T1F CL	210.000	207.972		207.972			10
37	102+769.980	13.22 LT	A			1500	T1F CL	209.804	208.795	208.410	207.998	207.998		10
38	102+874.930	15.5 LT	A			1500	T1F CL	211.893		207.730		208.730		10
39	102+999.670	13 RT	A			1200	T1F CL	212.004		209.880		209.880		10
40	103+057.150	13.3 RT	A			1200	T1F CL	211.598	209.160	208.937		208.937		10
41	103+132.080	13.5 RT	A			1200	T1F CL	209.973	208.730	207.718		207.718		11
42	103+236.940	13.5 RT	A			1200	T1F CL	209.226	206.650	205.985		205.985		11
43	103+339.730	12 RT	A			1800	T1F CL	207.811	205.400	205.028	205.400	208.028		11
44	103+442.000	12 RT	A			1500	T1F CL	207.833	206.300	204.412		204.412		12
45	104+334.960	20.2 RT	A			2100	T1F CL	202.295		200.110		200.110		14
46	103+522.000	12 RT	A			1500	T1F CL	207.500	206.000	203.930		203.930		12
47	103+620.000	12 RT	A			1500	T1F CL	206.104	204.563	203.357		203.357		12
48	103+722.500	12.5 RT	A			1500	T1F CL	204.796	203.200	202.400		203.000		12

PROPOSED SEWERS TABLE

NO.	U/S STA.	TYPE	D/S STA.	DIA. (mm)	LENGTH (m)	TB (CU M)	SHEET NO.
1	100+046.23	2	100+121.56	300	73.8	285.7	1
2	100+161.00	2	100+235.58	450	72.8	252.2	2
3	100+235.58	2	100+340.00	600	103.8	322.9	2
4	100+340.00	2	100+382.78	600	41.3	95.7	2
5	100+444.96	2	100+496.84	1050X675	50.3	126.7	2
6	100+496.84	2	100+551.53	1050X675	53.2	109.9	3
7	100+621.91	2	100+579.30	750X475	41.0	41.7	3
8	100+665.00	2	100+621.91	750X475	40.7	100.9	3
9	100+748.47	2	100+665.00	450	82.8	208.2	3
10	100+850.00		100+950.00	300	98.8	631.3	4
11	100+954.87	2	100+966.00	450	9.9	25.7	4
12	100+993.99	2	100+982.00	450	10.7	23.5	4
13	101+098.99	2	101+007.77	450	89.7	182.9	4
14	101+204.00	2	101+098.99	300	103.8	175.4	4
15	101+289.99	2	101+370.00	450	78.3	76.3	5
16	101+370.00	2	101+476.10	1125X725	104.5	486.3	5
17	101+476.10	2	101+583.69	1125X725	106.7	332.2	6
18	101+583.69	2	101+589.74	1125X725	8.2	14.8	6
19	101+589.74	2	101+590.91	750	4.3	6.6	6
20	NOT USED		-				
21	NOT USED		-				
22	101+717.34	1	101+665.76	375	49.6	16.8	6
23	101+818.00	2	101+881.98	375	60.5	180.5	7
24	101+881.98	2	101+987.00	525	105.0	417.6	7
25	101+987.00	2	101+987.00	600	1.5	4.5	7
26	101+987.00	2	101+990.00	600	4.3	12.8	7
27	102+067.00	2	102+018.33	450	48.5	129.6	8
28	102+144.50	2	102+224.13	450	77.2	75.2	8
29	102+224.13	2	102+301.90	600	76.6	184.4	8
30	102+301.90	2	102+365.77	950X600	59.0	149.7	8
31	102+365.77	2	102+399.98	950X600	36.0	41.6	8
32	102+399.98	2	102+398.80	750	24.0	19.0	9
33	102+495.00	1	102+399.98	300	93.4	53.7	9
34	102+574.99	2	102+653.00	750X475	76.6	145.6	9
35	102+653.00	2	102+769.98	750X475	115.4	330.5	9
36	NOT USED		-				
37	102+769.98	2	102+769.95	750X475	23.8	56.7	10
38	102+874.93	3	102+769.98	750X475	105.0	765.2	10
39	102+999.67	2	103+057.15	300	53.6	124.5	10
40	103+057.15	2	103+132.08	375	73.9	248.1	10
41	103+132.08	2	103+236.94	450	105.0	322.1	11
42	103+236.94	2	103+269.45	450	31.0	124.6	11
43	103+339.73	2	103+442.00	1050	101.0	447.3	11
44	103+442.00	3	103+522.00	1050	79.0	449.7	12
45	104+334.96	2	104+343.41	1700X1075	7.5	17.9	14
46	103+522.00	3	103+620.00	1050	97.0	607.9	12
47	103+620.00	2	103+722.50	1050	102.0	451.8	12
48	103+722.50	2	103+781.55	1050	48.0	141.0	12

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 1 OF 11

SCALE: NONE DRAWN BY: MB

DATE: 03-22-2004 CHECKED BY: JNR

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

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

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