F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20R-5	LAKE	562	237
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.
97	10+153.190	10.75 LT		CB A		1200	T24 FG	211.069		209.699				16
98	103+098.000	16 RT			FES	300						209.630		11
99	103+085.000	16 RT			FES	300				209.628				11
100	99+845.000	3.75 RT		CB A		1200	T21 FG	216.563			215.193			1
101	99+845.000	0.8 RT		CB A		1200	T21 FG	216.563	215.193					1
102	99+952.000	2.5 LT		CB A		1200	T24 FG	216.616			215.246			1
103	99+954.500	0.3 LT		CB A		1200	T24 FG	216.216	215.240		215.240			1
104	100+032.000	13.57 LT		CB A		1200	T24 FG	216.371			215.001			1
105	104+516.000	2.75 RT		CB A		1200	T24 FG	201.737	200.367					15
106	100+056.000	13.57 LT		CB A		1200	T24 FG	216.125			214.755			1
107	100+080.000	13.57 LT		CB A		1200	T24 FG	215.799			214.429			1
108	100+110.000	13.57 LT		CB A		1200	T24 FG	215.363			213.993			1
109	100+128.000	13.57 LT		CB A		1200	T24 FG	215.105			213.735			2
110	100+152.000	13.57 LT		CB A		1200	T24 FG	214.756			213.386			2
111	100+161.000	9.95 RT		CB A		1200	T24 FG	214.723	213.353		213.353			2
112	100+178.120	15.05 LT		CB A		1200	T24 FG	214.417			213.047			2
113	100+178.920	9.95 RT		CB A		1200	T24 FG	214.485	212.958		212.958			2
114	100+210.000	13.18 LT		CB A		1200	T24 FG	214.032			212.662			2
115	100+210.000	9.95 RT		CB A		1200	T24 FG	214.085	212.579		212.579			2
116	100+232.000	11.69 LT		CB A		1200	T24 FG	213.797			212.427			2
117	100+234.460	9.95 RT		CB A		1200	T24 FG	213.805	212.349		212.349			2
118	100+258.000	9.95 LT		CB A		1200	T24 FG	213.588			212.218			2
119	100+258.000	9.95 RT		CB A		1200	T24 FG	213.589	212.140		212.140			2
120	100+284.000	9.95 LT		CB A		1200	T24 FG	213.402			212.032			2
121	100+285.100	9.95 RT		CB A		1200	T24 FG	213.394	211.802		211.802			2
122	100+310.000	9.95 LT		CB A		1200	T24 FG	213.216			211.846			2
123	100+311.000	9.95 RT		CB A		1200	T24 FG	213.206	211.616		211.616			2
124	100+339.000	9.95 LT		CB A		1200	T24 FG	213.006			211.636			2
125	100+340.000	9.95 RT		CB A		1200	T24 FG	213.017	211.555		211.555			2
126	100+369.910	9.95 RT		CB A		1200	T24 FG	212.785	211.330		211.330			2
127	100+369.870	9.95 LT		CB A		1200	T24 FG	212.785			211.415			2
128	104+514.000	9.95 LT		CB A		1200	T24 FG	201.738	200.252		200.252			15
129	100+380.200	12.92 LT		CB A		1200	T8G	212.469		211.256	211.256			2
130	100+388.000	19.11 LT		CB A		1200	T24 FG	212.656				211.286		2
131	100+406.000	18.35 LT		CB A		1200	T24 FG	212.371		211.001				2
132	100+419.000	9.95 RT		CB A		1200	T24 FG	212.435	210.878		210.878			2
133	100+419.000	9.95 LT		CB A		1200	T24 FG	212.434			210.949	210.949		2
134	100+445.000	9.95 RT		CB A		1200	T24 FG	212.262	210.805		210.805			2
135	100+445.000	9.95 LT		CB A		1200	T24 FG	212.246			210.876			2
136	100+470.980	9.95 RT		CB A		1200	T24 FG	212.060	210.605		210.605			2
137	100+470.980	9.95 LT		CB A		1200	T24 FG	212.060			210.690			2
138	100+497.000	9.95 RT		CB A		1200	T24 FG	211.874	210.418		210.418			3
139	100+497.000	9.95 LT		CB A		1200	T24 FG	211.873			210.503			3
140	100+520.000	9.95 RT		CB A		1200	T24 FG	211.708			210.338			3
141	100+523.000	9.95 LT		CB A		1200	T24 FG	211.687	210.557				FST	3
142	100+551.530	9.95 RT		CB A		1200	T24 FG	211.483			210.303			3
143	100+549.000	9.95 LT		CB A		1200	T24 FG	211.501	210.371				FST	3
144	100+564.300	12.43 LT			FES-E	965X610					210.319			3

PROPOSED SEWERS TABLE

NO.	U/S STA.	TYPE	D/S STA.	DIA. (mm)	LENGTH (m)	TB (CU M)	SHEET NO.
97	10+153.19	1	10+153.19	300	22.3	13.8	16
98	NOT USED		-				
99	103+098.00		103+085.00	300	12.8	4.1	11
100	99+845.00	1	99+845.00	300	2.5	1.3	1
101	99+845.00	1	99+845.00	300	3.0	1.6	1
102	99+952.00	1	99+954.50	300	1.5	0.8	1
103	99+954.50	1	99+953.00	300	1.0	0.2	1
104	100+032.00	2	100+046.23	300	33.8	22.3	1
105	104+516.00	1	104+514.00	300	11.2	6.4	15
106	100+056.00	2	100+046.26	300	29.4	19.4	1
107	100+080.00	2	100+083.89	300	27.0	17.8	1
108	100+110.00	2	100+121.56	300	31.1	20.6	1
109	100+128.00	2	100+121.85	300	26.3	17.4	2
110	100+152.00	1	100+161.00	300	25.9	16	2
111	100+161.00	1	100+161.00	300	.5	0.3	2
112	100+178.12	1	100+178.92	300	24.1	14.9	2
113	100+178.92	2	100+179.00	300	1.0	0.7	2
114	100+210.00	1	100+210.00	300	22.2	13.7	2
115	100+210.00	2	100+210.00	300	1.0	0.7	2
116	100+232.00	1	100+234.46	300	21.0	13	2
117	100+234.46	1	100+235.58	300	2.0	1.2	2
118	100+258.00	1	100+258.00	300	19.0	11.7	2
119	100+258.00	1	100+258.00	300	1.6	1	2
120	100+284.00	1	100+285.10	300	19.0	11.7	2
121	100+285.10	2	100+285.00	300	1.5	1.1	2
122	100+310.00	1	100+311.00	300	19.0	11.7	2
123	100+311.00	2	100+311.00	300	1.5	1.1	2
124	100+339.00	1	100+340.00	300	19.0	11.7	2
125	100+340.00	1	100+340.00	300	.6	0.4	2
126	100+369.91	1	100+370.00	300	1.5	0.9	2
127	100+369.87	1	100+369.91	300	19.0	11.7	2
128	104+514.00	2	104+516.66	300	3.9	2.6	15
129	100+380.20	1	100+382.78	450	23.8	10.9	2
130	100+388.00	1	100+380.20	300	8.6	4.9	2
131	100+406.00	1	100+419.00	300	13.9	8	2
132	100+419.00	2	100+419.00	300	1.2	0.8	2
133	100+419.00	2	100+419.00	300	19.0	13.4	2
134	100+445.00	1	100+444.96	300	.5	0.3	2
135	100+445.00	1	100+445.00	300	19.1	11.8	2
136	100+470.98	1	100+471.00	300	1.1	0.7	2
137	100+470.98	1	100+470.98	300	19.0	11.7	2
138	100+497.00	1	100+496.84	300	.5	0.3	3
139	100+497.00	1	100+497.00	300	19.0	11.7	3
140	100+520.00	1	100+520.00	300	1.0	0.5	3
141	100+523.00	1	100+523.00	300	2.3	0.7	3
142	100+551.53	1	100+551.53	300	.5	0.2	3
143	100+549.00	1	100+549.00	300	2.6	0.8	3
144	100+564.30		100+564.30	965X610	24.3	24.2	3

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

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

DRAINAGE SCHEDULES

SHEET 3 OF 11

SCALE: NONE DRAWN BY: MB

DATE: 03-22-2004 CHECKED BY: JNR

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

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