

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20R-5	LAKE	562	239
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
D-91-552-99		60881		

DRAINAGE STRUCTURES TABLE

STRUCT. NO.	STA.	OFFSET	TYPE			DIA.	FRAME	TOP OF GRATE	N. INV.	E. INV.	S. INV.	W. INV.	OTHER INV.	SHEET NO.
			MH	CB	INL.									
193	101+152.000	9.95 LT		CB A		1200	T24 FG	214.168	212.567		212.567			4
194	101+152.000	9.95 RT		CB A		1200	T24 FG	214.167	212.797					4
195	101+182.000	9.95 RT		CB A		1200	T24 FG	214.550	213.180					5
196	101+182.000	9.95 LT		CB A		1200	T24 FG	214.550	212.950		212.950			5
197	101+212.000	10.37 LT		CB A		1200	T24 FG	214.893			213.293	213.293		5
198	101+212.000	9.95 RT		CB A		1200	T24 FG	214.893	213.523					5
199	101+288.000	9.95 LT			INL A	600	T24 FG	214.873			213.693			5
200	101+288.000	9.95 RT		CB A		1200	T24 FG	214.869	213.621			213.621		5
201	101+330.000	9.95 LT			INL A	600	T24 FG	214.281			213.101			5
202	104+597.000	4.2 RT		CB A		1200	T24 FG	201.173	199.803					15
203	101+330.010	9.95 RT		CB A		1200	T24 FG	214.284	213.029		213.029			5
204	101+370.000	10.9 LT			INL A	600	T24 FG	213.403			212.223			5
205	101+370.000	9.95 RT		CB A		1200	T24 FG	213.424	212.050		212.050			5
206	101+415.000	11.95 LT			INL A	600	T24 FG	212.428			211.248			5
207	101+415.000	10 RT		CB A		1200	T24 FG	212.427	211.060		211.060			5
208	101+449.000	11.95 LT			INL A	600	T24FG	211.797			210.427			5
209	101+449.000	12.1 RT		CB A		1200	T24 FG	211.858	210.191		210.191			5
210	101+476.000	13.8 RT		CB A		1200	T24 FG	211.632	210.100		210.100			5
211	101+476.000	11.95 LT			INL A	600	T24 FG	211.523			210.343			5
212	104+596.960	11.5 LT		CB A		1200	T24 FG	200.909	199.539		199.539			15
213	101+508.000	11.95 LT			INL A	600	T24 FG	211.355			210.175			5
214	101+507.000	15.55 RT		CB A		1200	T24 FG	211.518	209.850		209.850			5
215	10+053.000	11 LT			FES	300					210.484			10
216	101+537.000	11.95 LT			INL A	600	T24 FG	211.210			210.030			6
217	101+537.000	15.55 RT		CB A		1200	T24 FG	211.368	209.570		209.570			6
218	104+100.000	19.8 RT			FES-E	1325X850					201.380			14
219	101+545.000	11.95 LT			INL A	600	T3 FG	211.190			210.010			6
220	101+550.390	11.95 LT		CB A		1200	T24 FG	211.147			209.777	209.777		6
221	101+545.600	15.55 RT			INL A	600	T3 FG	211.101			209.921			6
222	101+550.410	15.55 RT		CB A		1200	T24 FG	211.098	209.558		209.558	209.728		6
223	101+562.000	12.35 LT			INL A	600	T24 FG	211.155			209.975			6
224	101+562.000	15.55 RT		CB A		1200	T21 FG	211.362	209.557		209.557			6
225	101+580.000	14.32 LT			INL A	600	T24 FG	211.194			210.014			6
226	101+580.000	15.55 RT		CB A		1200	T21 FG	211.444	209.586		209.586			6
227	10+244.680	13.31 LT		CB A		1200	T24 FG	210.829	209.459					16
228	101+590.000	16.4 RT		CB A		1200	T21 FG	211.865			210.495			6
229	101+627.110	30.85 RT		CB A		1200	T21 FG	211.120			209.750			6
230	101+638.000	12.52 LT			INL A	600	T21 FG	211.555	210.375					6
231	102+050.000	10.28 LT		CB A		1200	T21 FG	210.507			209.137			8
232	102+050.000	1.16 LT		CB A		1200	T24 FG	210.637	209.037		209.037			8
233	103+756.190	9.95 RT		CB A		1200		204.604	203.060		203.060			13
234	10+091.500	6.5 LT			INL A	600	T24 FG	210.990			210.440			17
235	10+099.000	8 LT			FES	300					210.750			17
236	10+115.500	8.5 LT			FES	300					211.062			17
237	10+053.000	4.2 RT			INL A	600	T24 FG	211.149			210.529			17
238	10+126.000	7 LT			FES	300					210.906			17
239	10+159.000	6 LT			FES	300					211.100			17
240	101+638.000	16 RT			INL A	600	T24 FG	211.493			210.313			6

PROPOSED SEWERS TABLE

NO.	U/S STA.	TYPE	D/S STA.	DIA. (mm)	LENGTH (m)	TB (CU M)	SHEET NO.
193	101+152.00	2	101+152.00	300	4.3	3.2	4
194	101+152.00	1	101+152.00	300	19.0	11.7	4
195	101+182.00	1	101+182.00	300	19.0	11.7	5
196	101+182.00	2	101+182.00	300	4.3	3.2	5
197	101+212.00	2	101+204.00	300	7.7	5.8	5
198	101+212.00	1	101+212.00	300	19.4	12	5
199	101+288.00	1	101+288.00	300	19.5	8.7	5
200	101+288.00	1	101+289.99	300	2.7	1.2	5
201	101+330.00	1	101+330.01	300	19.6	8.8	5
202	104+597.00	1	104+596.96	300	14.2	8.8	15
203	101+330.01	1	101+330.00	300	3.0	1.3	5
204	101+370.00	1	101+370.00	300	20.5	9.2	5
205	101+370.00	1	101+370.00	300	2.3	1.2	5
206	101+415.00	1	101+415.00	300	21.6	9.7	5
207	101+415.00	1	101+415.00	300	4.3	2.3	5
208	101+449.00	1	101+449.00	300	23.3	14.4	5
209	101+449.00	2	101+449.00	300	3.2	2.5	5
210	101+476.00	2	101+476.10	300	1.6	1.1	5
211	101+476.00	1	101+476.00	300	25.0	12.3	5
212	104+596.96	1	104+597.00	300	6.8	3.9	15
213	101+508.00	1	101+507.00	300	27.1	13.3	5
214	101+507.00	2	101+507.00	300	1.1	0.9	5
215	102+860.00	2	102+857.00	300	1.5	1.2	10
216	101+537.00	1	101+537.00	300	27.0	13.2	6
217	101+537.00	2	101+537.00	300	1.5	1.4	6
218	103+409.00	1	103+409.80	750X475	24.0	9.5	12
219	101+545.00	1	101+550.39	300	3.2	1.2	6
220	101+550.39	2	101+550.41	450	26.6	17.7	6
221	101+545.60	1	101+550.41	300	3.2	1.2	6
222	101+550.41	2	101+550.39	450	1.7	1.1	6
223	101+562.00	1	101+562.00	300	27.5	13.5	6
224	101+562.00	2	101+562.00	300	2.0	1.8	6
225	101+580.00	1	101+580.00	300	29.7	14.6	6
226	101+580.00	2	101+580.00	300	1.2	1.9	6
227	10+244.68	1	10+245.00	300	22.3	13.8	16
228	101+590.00	1	101+589.74	300	1.0	0.5	6
229	101+627.11	1	101+626.18	300	14.5	8.3	6
230	101+638.00	1	101+638.00	300	2.0	0.7	6
231	102+050.00	1	102+050.00	300	8.0	4.6	8
232	102+050.00	2	102+050.00	300	13.6	3.2	8
233	103+756.19	2	103+756.00	300	1.0	0.7	12
234	10+091.50	1	10+091.50	300	10.8	2.5	17
235	10+115.50		10+099.00	300	16.4	5.2	17
236	103+774.50	2	103+776.32	750X475	32.0	28.1	13
237	10+053.00	1	10+053.00	300	1.0	0.2	17
238	10+159.00		10+126.00	300	12.5	4	17
239	103+774.50	2	103+776.32	750X475	32.0	28.1	13
240	101+638.00	1	101+647.00	300	7.7	3.1	6

DATE	
BY	
FINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
TEMP. PLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
TEMP. PLATE	
AREAS CHECKED	
NO.	

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 5 OF 11
 SCALE: NONE DRAWN BY: MB
 DATE: 03-22-2004 CHECKED BY: JNR