F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20R-5	LAKE	562	242
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.
337	102+678.000	9.95 RT		CB A		1200	T21 FG	209.787	208.283				FST	9
338	102+602.000	14.3 LT			FES	300						209.572		9
339	102+707.000	9.95 RT		CB A		1200	T21 FG	209.672	208.237				FST	9
340	102+707.000	9.95 LT		CB A		1200	T21 FG	209.674	208.207		208.207		FST	9
341	102+715.000	9.95 LT			INL A	600	T3 FG	209.619		208.195			FST	9
342	102+720.230	9.95 LT		CB A		1200	T21 FG	209.606	208.098		208.098	208.183	FST	10
343	102+732.600	9.95 RT			INL A	600	T3 FG	209.601				208.981	FST	10
344	102+720.230	9.95 RT		CB A		1200	T21 FG	209.605	208.191				FST	10
345	102+727.600	9.95 RT		CB A		1200	T21 FG	209.598	208.213	208.213			FST	10
346	102+748.000	9.95 RT		CB A		1200	T21 FG	209.613	208.309				FST	10
347	102+748.000	9.95 LT		CB A		1200	T21 FG	209.652	208.238		208.238		FST	10
348	102+791.960	12 LT		CB A		1200	T24 FG	210.128	208.758		208.758			10
349	102+792.000	9.95 RT		CB A		1200	T24 FG	210.024	208.844					10
350	102+838.000	26 LT			FES	300						209.915		10
351	102+840.000	21.28 LT		CB A		1200	T24 FG	211.052			209.682			10
352	102+838.500	16.5 RT		CB A		1200	T24 FG	210.994		209.624				10
353	102+844.000	36 RT		CB A		1200	T24 FG	210.601		209.231				10
354	102+857.000	32 LT		CB A		1200	T24 FG	211.302		210.300	209.932			10
355	104+007.000	15.71 LT			FES	600				202.124				13
356	102+890.000	11.9 RT		CB A		1200	T24 FG	212.145	210.775					10
357	102+890.000	11.85 LT		CB A		1200	T24 FG	212.148			210.681	210.681		10
358	102+978.000	11.7 LT			INL A	600	T24 FG	212.221			211.041			10
359	102+978.000	9.95 RT		CB A		1200	T24 FG	212.246	210.773	210.773				10
360	103+015.000	11 LT			INL A	600	T24 FG	211.687			210.507			10
361	103+014.940	9.95 RT		CB A		1200	T24 FG	211.698	210.243		210.243			10
362	103+057.000	9.95 LT			INL A	600	T24 FG	211.011			209.831			10
363	103+057.000	9.95 RT		CB A		1200	T24 FG	211.012	209.571		209.571			10
364	102+535.370	13.7 RT	A			1500	T8G	210.106	208.493					9
365	103+100.000	9.95 LT			INL A	600	T24FG	210.324			208.954			11
366	103+100.000	9.95 RT		CB A		1200	T24 FG	210.324	208.884		208.884			11
367	103+133.710	9.95 LT			INL A	600	T24FG	209.889			208.519			11
368	103+133.710	9.95 RT		CB A		1200	T24 FG	209.887	208.450		208.450			11
369	103+165.000	9.95 RT		CB A		1200	T24 FG	209.544	208.100		208.100			11
370	103+165.000	10 LT			INL A	600	T24FG	209.537			208.167			11
371	103+206.000	9.95 RT		CB A		1200	T24 FG	209.108			207.738			11
372	103+202.830	15.64 LT		CB A		1200	T24 FG	209.060			207.690			11
373	103+234.000	9.95 LT			INL A	600	T24 FG	208.767			207.587			11
374	103+233.910	9.95 RT		CB A		1200	T24 FG	208.770	207.327		207.327			11
375	103+263.000	9.95 LT		CB A		1500	T24 FG	208.448	207.030		207.030			11
376	103+268.000	9.95 RT		CB A		1200	T24 FG	208.387			207.017			11
377	103+310.070	9.95 RT		CB A		1200	T24 FG	207.920	206.479		206.479			11
378	103+310.000	9.95 LT		CB A		1200	T24 FG	207.919			206.549			11
379	103+338.140	10 RT		CB A		1200	T24 FG	207.629			206.259			11
380	103+322.500	15 LT			FES	300				207.333				11
381	103+338.500	15.2 RT		CB A		1200	T8G	207.176	205.806					11
382	103+340.000	17 LT		CB A		1200	T24 FG	207.434		206.064				11
383	103+362.500	15.22 LT		CB A		1200	T24 FG	207.314			205.986	205.986		11
384	103+364.000	24 RT		CB A		1200	T24 FG	207.070	205.700					11

PROPOSED SEWERS TABLE

NO.	U/S STA.	TYPE	D/S STA.	DIA. (mm)	LENGTH (m)	TB (CU M)	SHEET NO.
337	102+678.00	2	102+678.00	300	22.0	16.4	9
338	100+625.00	1	100+621.91	300	2.0	0.8	3
339	102+707.00	2	102+707.00	300	19.0	12.6	9
340	102+707.00	1	102+707.00	300	1.6	1	9
341	102+715.00	1	102+720.23	300	3.2	1.8	9
342	102+720.23	2	102+720.23	450	2.1	1.4	10
343	102+732.60	1	102+727.60	300	3.2	0.7	10
344	102+720.23	2	102+720.23	450	19.0	12.6	10
345	102+727.60	1	102+727.60	300	22.7	14	10
346	102+748.00	1	102+748.00	300	19.0	10.1	10
347	102+748.00	1	102+748.00	300	2.5	1.4	10
348	102+791.96	1	102+792.00	300	1.2	0.6	10
349	102+792.00	1	102+791.96	300	21.0	9.4	10
350	102+838.00		102+791.78	300	10.5	3.3	10
351	102+840.00	1	102+837.54	300	2.4	1.3	10
352	102+838.50	1	102+844.69	300	5.5	2.9	10
353	102+844.00	1	102+845.78	300	.5	0.3	10
354	102+857.00	1	102+859.00	300	16.4	10.1	10
355	104+007.00		104+013.31	600	3.5	6.8	13
356	102+890.00	1	102+890.00	300	22.8	14.1	10
357	102+890.00	2	102+874.93	300	13.9	9.2	10
358	102+978.00	1	102+978.00	300	20.7	9.3	10
359	102+978.00	2	102+999.67	300	19.6	13.8	10
360	103+015.00	1	103+014.94	300	20.0	8.9	10
361	103+014.94	1	103+015.00	300	2.1	1.3	10
362	103+057.00	1	103+057.00	300	19.0	8.5	10
363	103+057.00	1	103+057.15	300	1.5	0.9	10
364	102+971.00	2	102+971.00	600	38.6	106.5	10
365	103+100.00	1	103+100.00	300	19.0	11.7	11
366	103+100.00	1	103+100.00	300	2.0	1.2	11
367	103+133.71	1	103+133.71	300	19.0	11.7	11
368	103+133.71	1	103+132.08	300	2.1	1.2	11
369	103+165.00	1	103+165.00	300	1.9	1.2	11
370	103+165.00	1	103+165.00	300	19.1	11.8	11
371	103+206.00	1	103+206.00	300	1.8	1	11
372	103+202.83	1	103+202.83	300	1.0	0.5	11
373	103+234.00	1	103+233.91	300	19.0	8.5	11
374	103+233.91	1	103+236.94	300	2.7	1.7	11
375	103+263.00	2	103+269.45	900	21.4	9.4	11
376	103+268.00	1	103+269.45	300	.5	0.3	11
377	103+310.07	1	103+310.00	300	1.0	0.6	11
378	103+310.00	1	103+310.07	300	19.0	11.7	11
379	103+338.14	1	103+339.73	300	2.6	1.4	11
380	103+322.50		103+340.00	300	16.5	5.2	11
381	103+338.50	1	103+339.73	300	1.0	0.5	11
382	103+340.00	1	103+362.50	300	21.2	13.1	11
383	103+362.50	1	103+362.50	300	26.5	16.4	11
384	103+364.00	1	103+364.00	300	11.7	6.7	11

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 8 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 ___