

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20R-5	LAKE	562	243
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.									
385	103+372.300	9.95 LT		CB A		1200	T24 FG	207.414		206.035	206.035			11
386	103+377.000	9.95 LT		CB A		1200	T24 FG	207.417		206.047		206.047		11
387	103+372.000	17.5 RT		CB A		1200	T24 FG	207.232	205.970	206.051				11
388	103+378.000	16 RT			INL A	600	T3 FG	207.266				206.086		11
389	103+414.710	17.69 LT			FES	900				205.980				12
390	103+385.000	9.95 LT			INL A	600	T3 FG	207.440				206.820		11
391	100+625.000	13.472 RT		CB A		1200	T8G	211.550	210.350					3
392	103+398.000	9.95 LT		CB A		1200	T24 FG	207.504		206.134				11
393	103+390.000	13 RT		CB A		1200	T24 FG	207.383	206.013					11
394	103+420.000	9.95 LT		CB A		1200	T24 FG	207.617		206.247				12
395	103+420.000	9.95 RT		CB A		1200	T24 FG	207.617	206.177	206.177				12
396	103+441.000	9.95 LT		CB A		1200	T24 FG	207.724		206.354				12
397	103+441.000	9.95 RT		CB A		1200	T24 FG	207.723	206.324	206.324				12
398	103+521.000	9.95 RT		CB A		1200	T24 FG	207.460	206.018	206.018				12
399	103+521.000	9.95 LT		CB A		1200	T24 FG	207.458		206.088				12
400	102+534.100	11.67 LT	A			1500	T8G	210.106	208.529	208.750	208.529			9
401	103+569.000	9.95 LT		CB A		1200	T24 FG	206.789		205.419				12
402	103+568.930	9.95 RT		CB A		1200	T24 FG	206.792	205.349	205.349				12
403	103+618.000	9.95 RT		CB A		1200	T24 FG	206.106	204.663	204.663				12
404	103+618.000	9.95 LT		CB A		1200	T24 FG	206.103		204.733				12
405	102+533.970	15 LT			FES	300				208.659				9
406	103+642.000	19.5 RT		CB A		1200	T24 FG	205.654	204.284					12
407	103+641.500	12 LT		CB A		1200	T24 FG	205.713		204.343				12
408	103+656.000	22 RT		CB A		1200	T24 FG	205.375	204.005		204.005			12
409	103+682.000	13.55 LT		CB A		1200	T24 FG	205.127		203.985				12
410	103+675.700	13.2 RT		CB A		1200	T24 FG	205.236	203.866					12
411	103+705.000	13.55 LT		CB A		1200	T24 FG	204.832		203.462				12
412	103+722.000	10.5 RT		CB A		1200	T21 FG	205.163	203.236	203.236				12
413	103+722.000	13.55 LT		CB A		1200	T21 FG	204.691		203.321	203.321			12
414	103+739.000	13.55 LT		CB A		1200	T21 FG	204.601	203.231					12
415	103+756.010	13.55 LT		CB A		1200	T21 FG	204.515		203.145	203.145			13
416	103+780.000	13.55 LT		CB A		1200	T21 FG	204.395		203.025				13
417	103+780.000	9.95 RT		CB A		1200	T21 FG	204.485	202.942	202.942				13
418	103+800.000	13.55 LT		CB A		1200	T21 FG	204.295		202.925				13
419	103+800.000	9.95 RT		CB A		1200	T21 FG	204.385	202.842	202.842				13
420	103+821.000	13.55 LT		CB A		1200	T21 FG	204.190		202.820				13
421	103+821.000	9.95 RT		CB A		1200	T21 FG	204.280	202.737	202.737				13
422	103+843.000	11.7 LT		CB A		1200	T21 FG	204.126		202.756				13
423	103+843.010	9.95 RT		CB A		1200	T21 FG	204.170	202.678	202.678				13
424	103+859.500	22.2 RT		CB A		1200	T21 FG	204.086	202.716					13
425	103+871.000	13.8 LT		CB A		1200	T21 FG	204.027			202.657			13
426	103+878.000	25.5 RT		CB A		1200	T21 FG	203.997	202.627		202.627			13
427	103+887.280	11.7 LT		CB A		1200	T24 FG	203.948		202.578	202.578			13
428	103+900.000	9.95 LT		CB A		1200	T21 FG	203.878		202.508				13
429	103+930.090	9.95 RT		CB A		1200	T24 FG	203.650	202.081	202.081	*REFΔ			13
430	103+930.000	9.95 LT		CB A		1200	T24 FG	203.651		202.281	*REFΔ			13
431	103+958.000	9.95 LT		CB A		1200	T24 FG	203.402		202.032	*REFΔ			13
432	103+958.000	9.95 RT		CB A		1200	T24 FG	203.403	201.962	201.962				13

PROPOSED SEWERS TABLE

NO.	U/S STA.	TYPE	D/S STA.	DIA. (mm)	LENGTH (m)	TB (CU M)	SHEET NO.
385	103+372.30	1	103+372.30	450	21.4	13.1	11
386	103+377.00	1	103+372.30	300	3.2	1.7	11
387	103+372.00	1	103+372.30	300	4.8	2.1	11
388	103+378.00	1	103+372.00	300	3.4	1.2	11
389	103+409.80	2	103+414.71	900	7.4	4.4	12
390	103+385.00	1	103+377.00	300	6.5	1.5	11
391	NOT USED						
392	103+398.00	1	103+390.00	300	21.4	13.2	11
393	103+390.00	1	103+390.00	300	1.0	0.5	11
394	103+420.00	1	103+420.00	300	19.0	11.7	12
395	103+420.00	1	103+420.00	300	1.0	0.6	12
396	103+441.00	1	103+441.00	300	19.0	11.7	12
397	103+441.00	1	103+442.00	300	.6	0.3	12
398	103+521.00	1	103+398.00	300	.7	0.4	12
399	103+521.00	1	103+521.00	300	19.0	11.7	12
400	102+534.10	2	102+535.37	750X475	24.0	24.4	9
401	103+569.00	1	103+568.93	300	19.0	11.7	12
402	103+568.93	1	103+569.00	300	1.0	0.6	12
403	103+618.00	1	103+620.00	300	.8	0.5	12
404	103+618.00	1	103+618.00	300	19.0	11.7	12
405	102+533.97		102+534.10	300	2.5	0.7	9
406	103+642.00	1	103+656.00	300	13.2	7.6	12
407	103+641.50	1	103+644.50	300	23.6	14.6	12
408	103+656.00	1	103+659.00	300	10.0	5.8	12
409	103+682.00	1	103+682.00	300	25.0	11.2	12
410	103+675.70	1	103+675.70	300	1.0	0.5	12
411	103+705.00	1	103+722.00	300	15.5	8.9	12
412	103+722.00	2	103+722.50	300	2.0	3.4	12
413	103+722.00	1	103+722.00	300	22.6	14	12
414	103+739.00	1	103+756.01	300	15.5	8.9	12
415	103+756.01	1	103+756.19	300	22.5	13.9	13
416	103+780.00	1	103+780.00	300	22.6	14	13
417	103+780.00	2	103+781.55	300	1.0	0.7	13
418	103+800.00	1	103+800.00	300	22.6	14	13
419	103+800.00	1	103+800.00	300	.5	0.3	13
420	103+821.00	1	103+821.00	300	22.6	14	13
421	103+821.00	2	103+821.00	300	.5	0.3	13
422	103+843.00	1	103+843.01	300	20.7	12.8	13
423	103+843.01	1	103+845.65	300	1.4	0.9	13
424	103+859.50	1	103+878.00	300	17.2	10.6	13
425	103+871.00	1	103+887.28	300	14.8	8.5	13
426	103+878.00	1	103+878.00	300	12.9	7.4	13
427	103+887.28	1	103+887.38	450	23.4	14.3	13
428	103+900.00	1	103+900.00	300	21.5	13.3	13
429	103+930.09	2	103+932.00	300	1.2	0.8	13
430	103+930.00	1	103+930.09	300	19.0	11.7	13
431	103+958.00	1	103+958.00	300	19.0	11.7	13
432	103+958.00	1	103+958.00	300	1.3	0.8	13

FINAL SURVEY NOTE BOOK NO. _____

DATE _____

BY _____

SURVEYED PLOTTED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY NOTE BOOK NO. _____

DATE _____

BY _____

SURVEYED PLOTTED TEMPLATE AREAS CHECKED

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 9 OF 11

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