F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20R-5	LAKE	562	244
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.									
433	103+988.000	9.95 LT		CB A		1200	T24 FG	203.136			201.766			13
434	103+988.000	9.95 RT		CB A		1200	T24 FG	203.139	201.696		201.696			13
435	104+013.310	14.65 LT	JC			1900X5000	T1F CL	203.068	201.988	201.988	201.988	201.988		13
436	104+020.000	9.95 LT		CB A		1200	T24 FG	202.853			201.483			13
437	104+019.910	9.95 RT		CB A		1200	T24 FG	202.855	201.413		201.413			13
438	104+052.000	9.95 LT		CB A		1200	T24 FG	202.580			201.210			13
439	104+052.000	11.82 RT		CB A		1200	T24 FG	202.533	201.143		201.143			13
440	104+066.000	9.95 LT			INL A	600	T3 FG	202.523		201.343				13
441	104+070.800	9.95 LT		CB A		1200	T21 FG	202.519			201.149	201.149		13
442	104+066.000	12.73 RT			INL A	600	T3 FG	202.453		201.273				13
443	104+070.830	13 RT		CB A		1200	T21 FG	202.442	201.066		201.066	201.072		13
444	104+085.000	9.95 LT		CB A		1200	T21 FG	202.554			201.184			13
445	104+085.000	13.55 RT		CB A		1200	T21 FG	202.464	201.101		201.101			13
446	104+107.000	13.55 RT		CB A		1200	T21 FG	202.571	201.201		201.201			14
447	104+107.000	9.95 LT		CB A		1200	T21 FG	202.689			201.319			14
448	104+127.930	13.55 RT		CB A		1200	T21 FG	202.673	201.303		201.303			14
449	104+123.800	2.75 LT		CB A		1200	T21 FG	202.908			201.538			14
450	103+906.380	10.38 RT		CB A		1200	T24 FG	203.828			202.458			13
451	NOT USED													
452	104+170.110	19.73 RT		CB A		1200	T21 FG	202.937			201.567			14
453	104+516.660	14 LT			FES	300					199.383			15
454	104+199.000	0.85 LT			INL A	600	T3 FG	203.176			201.806			14
455	104+199.000	10.34 RT		CB A		1200	T21 FG	203.087	201.717		201.717			14
456	104+252.000	0.5 LT		CB A		1200	T21 FG	203.319			201.949			14
457	104+250.000	10.3 RT		CB A		1200	T21 FG	203.101	201.731		201.731			14
458	104+280.000	1.7 LT		CB A		1200	T21 FG	203.131			201.761			14
459	104+284.000	13.12 RT		CB A		1200	T21 FG	202.729	201.359		201.359			14
460	104+558.000	18 LT			FES	300					199.276			15
461	104+313.970	2.75 LT		CB A		1200	T21 FG	202.938			201.568			14
462	104+314.220	13.55 RT		CB A		1200	T21 FG	202.687	201.317		201.317			14
463	104+344.000	2.75 LT			INL A	600	T3 FG	202.787			201.417			14
464	104+344.000	13.55 RT		CB A		1200	T21 FG	202.538	201.168		201.168			14
465	104+597.000	19.5 LT			FES	300					199.204			15
466	104+363.500	18.6 RT		CB A		1200	T21 FG	202.301	200.931					14
467	104+384.000	19 RT		CB A		1200	T21 FG	202.210	200.840					14
468	104+403.000	1.5 LT		CB A		1200	T21 FG	202.399			201.029			14
469	104+435.020	0.85 RT		CB A		1200	T24 FG	202.212			200.842			15
470	104+434.850	9.95 RT		CB A		1200	T24 FG	202.136	200.766		200.766			15
471	104+462.000	0.85 LT		CB A		1200	T24 FG	202.035			200.665			15
472	104+462.000	9.95 RT		CB A		1200	T24 FG	201.955	200.563		200.563			15
473	104+482.000	0.5 RT		CB A		1200	T24 FG	201.825			200.455			15
474	104+482.280	9.95 RT		CB A		1200	T24 FG	201.754	200.384		200.384			15
475	100+561.560	14.42 RT			FES-E	1050x675						210.130		3
476	100+523.000	14 LT			FES	300					210.548			3
477	NOT USED													
478	100+568.865	14.42 RT			FES-E	750x475			210.245					3
479	100+549.000	16.24 LT			FES	300					210.362			3
480	NOT USED													

PROPOSED SEWERS TABLE

NO.	U/S STA.	TYPE	D/S STA.	DIA. (mm)	LENGTH (m)	TB (CU M)	SHEET NO.
433	103+988.00	1	103+988.00	300	19.0	11.7	13
434	103+988.00	1	103+988.00	300	1.5	0.9	13
435	104+013.31	1	104+013.31	750X475	28.6	11.3	13
436	104+020.00	1	104+019.91	300	19.0	11.7	13
437	104+019.91	1	104+020.00	300	1.3	0.7	13
438	104+052.00	1	104+052.00	300	20.8	12.9	13
439	104+052.00	1	104+052.00	300	1.2	0.6	13
440	104+066.00	1	104+070.80	300	3.2	1.2	13
441	104+070.80	1	104+070.83	450	22.1	13.5	13
442	104+066.00	1	104+070.83	300	3.3	1.2	13
443	104+070.83	1	104+070.80	450	1.0	0.5	13
444	104+085.00	1	104+085.00	300	22.6	14	13
445	104+085.00	1	104+085.00	300	1.0	0.5	13
446	104+107.00	1	104+107.00	300	1.5	0.8	14
447	104+107.00	1	104+107.00	300	22.6	14	14
448	104+127.93	1	104+128.00	300	3.0	1.6	14
449	104+123.80	1	104+127.93	300	15.3	8.8	14
450	103+906.38	1	103+906.38	300	1.0	0.5	13
451	NOT USED		-				
452	104+170.11	1	104+170.11	300	2.0	1.1	14
453	NOT USED		-				
454	104+199.00	1	104+199.00	300	.8	0.4	14
455	104+199.00	1	104+200.00	300	8.8	5.1	14
456	104+252.00	1	104+250.00	300	8.8	5.1	14
457	104+250.00	1	104+251.28	300	6.6	3.8	14
458	104+280.00	1	104+284.00	300	13.8	7.9	14
459	104+284.00	1	104+284.00	300	4.7	2.5	14
460	NOT USED		-				
461	104+313.97	1	104+314.22	300	14.8	8.5	14
462	104+314.22	1	104+314.00	300	5.0	2.7	14
463	104+344.00	1	104+344.00	300	.8	0.4	14
464	104+344.00	1	104+343.41	300	1.3	0.7	14
465	NOT USED		-				
466	104+363.50	1	104+363.50	300	1.4	0.7	14
467	104+384.00	1	104+384.00	300	2.4	1.3	14
468	104+403.00	1	104+403.11	300	13.0	7.5	14
469	104+435.02	1	104+434.85	300	7.7	4.4	15
470	104+434.85	1	104+435.00	300	3.5	1.9	15
471	104+462.00	1	104+462.00	300	7.7	4.4	15
472	104+462.00	1	104+464.97	300	3.5	2	15
473	104+482.00	1	104+471.56	300	7.9	4.5	15
474	104+482.28	1	104+482.00	300	4.5	2.4	15
475	100+792.20		100+783.00	300	11.7		3
476	NOT USED		-				
477	103+774.50	2	103+776.32	750X475	32.0	28.1	13
478	103+766.75	1	103+776.32	1050	6.2	6.8	13
479	104+353.50		104+391.27	600	37.0	85.8	14
480	NOT USED		-				

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 10 OF 11

SCALE: NONE DRAWN BY: MB

DATE: 03-22-2004 CHECKED BY: JNR

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

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