

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	118
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(L-2[W,R];6,6A & 6 EXT) WRS-1				

STA 262+00 TO 274+00

STRUCT NO	LOCATION		STRUCTURE TYPE	FRAME & LID OR GRATE	RIM ELEV	INVERT ELEVATION			
	STATION	OFFSET				NORTH	SOUTH	EAST	WEST
218	263+00.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	782.81			779.56	
219	263+00.00	27.00 FT RT	MH, TY A, 5 FT DIA	TY 1 FR & CL	782.95	778.18	778.18		779.52
220	263+65.00	39.00 FT RT	FES, 30 IN	HWY STD 542311			778.11		
230	263+90.00	39.00 FT RT	FES, 12 IN			779.10			
231	264+80.00	27.00 FT RT	MH, TY A, 4 FT DIA	TY 1 FR & CL	784.00	779.92	779.92		780.72
232	264+80.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	783.76			780.76	
233	266+00.00	27.00 FT RT	CB, TY A, 4 FT DIA	TY 1 FR & CL	785.26		781.08		781.08
234	266+00.00	19.00 FT RT	INLET, TY A	TY 24 FR & GR	785.12			781.12	
235	263+79.60	40.80 FT LT	FES, EL, 42 IN EO	HWY STD 542311				776.85	
236	263+79.69	37.20 FT RT	FES, EL, 42 IN EO	HWY STD 542311					776.37
240	271+00.00	19.00 FT RT	INLET, TY A	TY 24 FR & GR	787.06				783.06
241	271+00.00	12.50 FT RT	CB, TY A, 4 FT DIA	TY 1 FR & CL	787.19	782.94		783.04	
242	273+00.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	782.79				778.79
243	273+00.00	12.50 FT RT	MH, TY A, 4 FT DIA	TY 1 FR & CL	782.92	778.62	778.72	778.77	

STA 262+00 TO STA 274+00

PIPE NO	LOCATION				SIZE in	LENGTH ft	TYPE	SLOPE	TRENCH BACKFILL cu yd	CONCRETE COLLAR cu yd
	FROM		TO							
	STATION	OFFSET	STATION	OFFSET						
217	261+83.00	27.00 FT RT	263+00.00	27.00 FT RT	30	113.1	1	0.13%	10.1	
218	263+00.00	19.00 FT RT	263+00.00	27.00 FT RT	12	3.7	1	1.00%	0.2	
219	263+00.00	27.00 FT RT	263+65.00	39.00 FT RT	30	57.7	1	0.13%	0.0	
230	264+80.00	27.00 FT RT	263+90.00	39.00 FT RT	12	82.4	1	1.00%	0.0	
231	264+80.00	19.00 FT RT	264+80.00	27.00 FT RT	12	4.2	1	1.00%	0.1	
232	266+00.00	27.00 FT RT	264+80.00	27.00 FT RT	12	116.2	2	1.00%	0.0	
233	266+00.00	19.00 FT RT	266+00.00	27.00 FT RT	12	4.2	2	1.00%	0.6	
235	263+79.60	40.80 FT LT	263+79.63	15.20 FT LT	42 EQ	17.7	1	1.00%		1.5
236	263+79.66	16.20 FT RT	263+79.69	37.20 FT RT	42 EQ	12.9	1	1.00%		1.5
240	271+00.00	19.00 FT RT	271+00.00	12.50 FT RT	12	2.3	1	1.00%	0.3	
241	271+00.00	12.50 FT RT	273+00.00	12.50 FT RT	12	196.2	2	2.15%	27.9	
242	273+00.00	19.00 FT RT	273+00.00	12.50 FT RT	12	2.3	1	1.00%	0.3	
243	273+00.00	12.50 FT RT	274+50.00	12.50 FT RT	12	146.2	2	1.45%	21.1	

STA 274+00 TO STA 286+00

STRUCT NO	LOCATION		STRUCTURE TYPE	FRAME & LID OR GRATE	RIM ELEV	INVERT ELEVATION			
	STATION	OFFSET				NORTH	SOUTH	EAST	WEST
244	274+50.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	780.56				776.56
245	274+50.00	12.50 FT RT	MH, TY A, 4 FT DIA	TY 1 FR & CL	780.69	776.40	776.50	776.54	
246	275+45.00	19.00 FT RT	CB, TY C	TY 24 FR & GR	780.28		776.53		
247	275+35.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	780.27	776.46			776.27
248	275+35.00	12.50 FT RT	MH, TY A, 5 FT DIA	TY 1 FR & CL	780.40	775.75	776.03	776.25	
249	276+60.00	38.70 FT RT	FES, 12 IN						775.40
250	276+70.45	39.30 FT LT	FES, EL, 48 IN EO	HWY STD 542311				775.15	
251	276+68.91	38.70 FT RT	FES, EL, 48 IN EO	HWY STD 542311					774.90
252	276+48.00	12.50 FT RT	MH, TY A, 6 FT DIA	TY 1 FR & CL	780.73	775.53*	775.53		
253	276+58.00	12.50 FT RT	STU V550	SEE DETAILS	780.74		775.50	775.50	
258	276+82.00	12.50 FT RT	STU V550	SEE DETAILS	780.73		775.50	775.50	
259	276+92.00	12.50 FT RT	MH, TY A, 6 FT DIA	TY 1 FR & CL	780.71	775.53	775.53*		
260	276+80.00	38.70 FT RT	FES, 12 IN						775.40
261	277+75.00	12.50 FT RT	MH, TY A, 4 FT DIA	TY 1 FR & CL	780.25	775.77	775.77	776.10	
262	277+75.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	780.12				776.12
263	278+53.00	12.50 FT RT	MH, TY A, 4 FT DIA	TY 1 FR & CL	779.99	776.29	775.99	776.22	
264	278+53.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	780.24	776.43			776.24
265	278+63.00	19.00 FT RT	CB, TY C	TY 24 FR & GR	780.25		776.50		
266	279+75.00	12.50 FT RT	MH, TY A, 4 FT DIA	TY 1 FR & CL	780.66	776.86	776.76	776.76	
267	279+75.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	780.53				776.78
268	281+87.00	12.50 FT RT	CB, TY A, 4 FT DIA	TY 1 FR & CL	783.09		778.94	778.94	
269	281+87.00	19.00 FT RT	INLET, TY A	TY 24 FR & GR	782.96				778.96

- * NORTH OUTLET PIPE FROM 6' RESTRICTOR MANHOLE 252 SHALL BE 1.5' EAST OF STRUCTURE CENTERLINE TO ALIGN WITH INLET FOR STORMWATER TREATMENT STRUCTURE 253.
- * SOUTH OUTLET PIPE FROM 6' RESTRICTOR MANHOLE 259 SHALL BE 1.5' EAST OF STRUCTURE CENTERLINE TO ALIGN WITH INLET FOR STORMWATER TREATMENT STRUCTURE 258.

STA 274+00 TO STA 286+00

PIPE NO	LOCATION				SIZE in	LENGTH ft	TYPE	SLOPE	TRENCH BACKFILL cu yd	CONCRETE COLLAR cu yd
	FROM		TO							
	STATION	OFFSET	STATION	OFFSET						
244	274+50.00	19.00 FT RT	274+50.00	12.50 FT RT	12	2.3	1	1.00%	0.3	
245	274+50.00	12.50 FT RT	275+35.00	12.50 FT RT	12	81.2	2	0.45%	12.4	
246	275+45.00	19.00 FT RT	275+35.00	19.00 FT RT	12	7.4	1	1.00%	0.7	
247	275+35.00	19.00 FT RT	275+35.00	12.50 FT RT	12	2.3	1	1.00%	0.3	
248	275+35.00	12.50 FT RT	276+48.00	12.50 FT RT	24	108.0	2	0.20%	19.0	
250	276+70.45	39.30 FT LT	276+70.00	16.30 FT LT	48 EQ	15.0	1	0.32%	3.9	1.5
251	276+69.38	15.20 FT RT	276+68.91	38.70 FT RT	48 EQ	15.5	1	0.32%	2.8	1.5
252*	276+48.00	14.00 FT RT	276+58.00	14.00 FT RT	12	5.0	2	0.50%	1.2	
253	276+59.50	12.50 FT RT	276+60.00	38.70 FT RT	12	20.0	2	0.50%	2.2	
258	276+80.50	12.50 FT RT	276+80.00	38.70 FT RT	12	20.0	2	0.50%	2.2	
259**	276+92.00	14.00 FT RT	276+82.00	14.00 FT RT	12	5.0	2	0.50%	1.2	
261	277+75.00	12.50 FT RT	276+92.00	12.50 FT RT	18	79.0	2	0.30%	15.3	
262	277+75.00	19.00 FT RT	277+75.00	12.50 FT RT	12	2.3	1	1.00%	0.3	
263	278+53.00	12.50 FT RT	277+75.00	12.50 FT RT	18	74.0	1	0.30%	9.2	
264	278+53.00	19.00 FT RT	278+53.00	12.50 FT RT	12	2.3	1	1.00%	0.2	
265	278+63.00	19.00 FT RT	278+53.00	19.00 FT RT	12	7.4	1	1.00%	0.7	
266	279+75.00	12.50 FT RT	278+53.00	12.50 FT RT	12	118.2	1	0.40%	11.5	
267	279+75.00	19.00 FT RT	279+75.00	12.50 FT RT	12	2.3	1	1.00%	0.2	
268	281+87.00	12.50 FT RT	279+75.00	12.50 FT RT	12	208.2	1	1.00%	24.1	
269	281+87.00	19.00 FT RT	281+87.00	12.50 FT RT	12	2.3	1	1.00%	0.3	

NOTE:
PIPES LISTED IN TABLES AS "EQ" REFER TO HORIZONTAL ELLIPTICAL PIPE.
THIS PIPE IS TO BE PAID FOR AS: PIPE CULVERTS, CLASS A, TYPE 1,
OF THE EQUIVALENT ROUND SIZE SHOWN

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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 83 FROM THE WISCONSIN STATE LINE TO NORTH OF PETITE LAKE ROAD DRAINAGE TABLES ILLINOIS ROUTE 83 STA 262+00 TO STA 298+00 DATE: 1/30/09 DRAWN BY: GP CHECKED BY: MW
NAME	DATE	

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
CHICAGO, ILLINOIS