F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	115
STA.		TO STA.		
FED. ROAD DIST. NO. D-91-404-99		ILLINOIS	FED. AID PROJECT	

* 125X-HB-(1&2) R-1 CONTRACT # 6082

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	BASELINE	STRUCTURE TYPE MH	STRUCTURE TYPE CB	DIA.	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
237	110+27.04	5.96 RT	RampA		A	4	T20 F&G	685.038	0	679.79	0	0
240	210+85.50	45 RT	RampB		C	2	T1F CL	685.79	0	682.46	0	0
241	110+29.00	52 RT	RampA		C	2	T1F CL	683.23	0	0	0	679.9
242	403+25.50	47 RT	RampD		C	2	T1F CL	686.98	683.65	0	0	0
243	303+40.00	45 LT	RampC		C	2	T1F CL	687.56	0	677.22	0	0
31	407+00.00	24.23 RT	RampD	A		4	T1F CL	691.88	681.41	0	0	681.31
32	540+99.84	7.63 RT	NB41	A		5	T1F CL	691.944	682.97	681.12	680.97	0
33	543+87.01	16.53 RT	NB41	A		5	T1F CL	686.012	679.7	0	679.7	680.27
34	546+91.40	13.13 LT	SB41	A		6	T1F CL	683.981	678.35	678.35	678.35	0
35	307+51.00	23.27 LT	RampC	A		4	T1F CL	689.092	680.49	686.23	680.24	0
36	310+16.35	7.53 LT	RampC	A		4	T1F CL	686.63	679.4	681.2	679.15	0
37	313+05.52	8 LT	RampC	A		4	T1F CL	684.116	678.28	0	678.28	0
38	539+77.73	34 LT	NB41		A	4	T20 F&G	695.203	0	0	689.95	0
39	543+09.45	28.3 LT	NB41		A	4	T1F OL	687.91	0	0	0	682.66
310	547+09.15	16.88 RT	NB41		C	2	T1F OL	682.341	678.52	0	0	0
311	312+62.54	7.85 LT	RampC	A		4	T1F CL	684.385	678.4	679.16	678.4	678.55
312	539+39.36	13 RT	NB41		DS 1(16)	3X6.83	T20 F&G	696.257	0	691.01	0	0
313	539+01.07	34 RT	SB41		A	4	T20 F&G	697.66	0	0	691.54	0
314	540+93.09	34 RT	SB41		A	4	T20 F&G	691.54	0	0	0	686.29
315	541+64.76	19.77 RT	NB41		DS 1(16)	3X6.83	T20 F&G	689.915	0	0	684.67	0
316	541+65.14	10.17 LT	SB41		DS 1(16)	0	T20 F&G	689.609	0	0	0	0
317	543+87.55	27.08 RT	NB41		DS 1(16)	3X6.83	T20 F&G	685.583	0	680.33	0	0
318	543+88.03	10.17 LT	SB41		DS 1(16)	3X6.83	T20 F&G	686.052	0	0	0	0
319	543+59.04	29.49 RT	SB41		A	4	T1F OL	686.55	0	0	0	681.3
320	309+06.30	6 RT	RampC		A	4	T20 F&G	687.804	0	682.55	0	0
321	310+85.71	6 RT	RampC		A	4	T20 F&G	685.718	0	680.47	0	0
322	544+89.04	28.52 RT	SB41		A	4	T1F OL	685.64	0	0	0	680.39
323	312+69.94	6 RT	RampC		A	4	T20 F&G	683.82	0	678.65	0	0
324	546+05.50	27.35 RT	SB41		A	4	T1F OL	684.49	0	0	0	679.24
325	313+22.65	9.24 RT	RampC	HW		0	0	-	0	677.73	0	0
326	539+39.35	2.95 RT	NB41	DROP		5	T1F CL	696.659	689.79	0	683.67	690.95
327	544+94.85	11 RT	NB41	A		5	T1F CL	684.506	0	0	678.96	0
328	546+92.92	11.17 RT	NB41	A		6	T1F CL	683.346	678.38	0	678.38	678.38
329	547+02.94	3 LT	SB41	A(1)		6	T1F CL	685.16	678.31	0	678.31	0
330	313+17.00	3 RT	RampC	A(1)		6	T1F CL	683.654	678.25	0	678.25	0
331	539+39.51	10.17 LT	SB41		DS 1(16)	0	T20 F&G	696.347	691.01	0	0	0
51	5+08.16	79.81 LT	IL132	JC		0	0	682.071	0	670.83	670.83	674.76
52	701+18.48	16.34 LT	Greenleaf	JC		0	0	676.16	670.1	0	670.1	670.1
53	4+94.87	84.79 LT	IL132	A		5	T1F CL	682.923	0	674.82	0	674.82(18)
54	701+18.96	27.65 LT	Greenleaf	A		5	T1F OL	673.5	0	670.09	0	0
61	10+49.24	24 LT	IL132	A		10	T1F CL	685.743	0	671.69	0	671.69
62	5+38.60	68.34 LT	IL132	A		10	T1F CL	681.535	0	670.86	0	670.86
63	11+47.61	32.86 LT	IL132		C	2	T20 F&G	685.493	0	0	0	680.24
71	21+69.39	10.73 LT	IL132	A		8	T1F CL	680.118	675.37	673.43	675.16	673.43
72	22+38.74	2.87 LT	IL132	A		8	T1F CL	680.453	675.88	674.12	674.78	673.54
73	21+28.46	15.38 LT	IL132	A		8	T1F CL	680.128	673.94	673.37	0	673.37
74	20+58.69	15.43 LT	IL132	A		10	T1F CL	680.435	673.94	673.27	674.1	673.27
75	19+00.65	15.54 LT	IL132	A		10	T1F CL	683.355	0	673.03	676.02	673.03
76	16+57.60	16.4 LT	IL132	A		10	T1F CL	686.61	0	672.65	0	672.65
77	13+92.93	17.67 LT	IL132	A		10	T1F CL	686.09	0	672.23	0	672.23
78	401+08.98	7.88 LT	RampD		C	2	T1F OL	678.88	675.35	0	0	0
79	22+46.27	23.35 LT	IL132		A(6)	4	T20 F&G	680.016	0	0	676.02	0
710	400+90.19	6 RT	RampD	A		5	T1F CL	679.55	675.15	675.15	675.15	675.15
711	22+58.71	23.5 RT	IL132		A	4	T20 F&G	680.065	675.26	0	0	0
712	401+49.14	2 LT	RampD		A(6)	4	T20 F&G	679.999	0	0	0	675.49
713	302+06.19	37.08 LT	RampC		C	2	T1F OL	677.11	0	0	0	675.08

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
237	110+27.04	110+26.38	2	12	39	1.00	10.5
240	210+85.50	210+89.00	1	12	10	1.00	56.3
241	110+29.00	110+26.38	1	12	10	1.00	285.5
242	403+25.50	403+06.61	1	12	20	1.00	
243	303+40.00	303+22.50	1	12	48	1.00	3.5
31	407+00.00	540+99.84	2	15	43	0.44	56.3
32	540+99.84	543+87.01	2	24	283	0.45	285.5
33	543+87.01	546+91.40	2	24	300	0.45	
34	546+91.40	547+02.94	2	24	10	0.45	3.5
35	307+51.00	310+16.35	2	15	263	0.32	227.5
36	310+16.35	312+62.54	2	18	243	0.31	128.3
37	313+05.52	313+17.00	2	18	11	0.30	3.1
38	539+77.73	405+96.32	2	12	15	1.00(4)	3.5
39	543+09.45	543+08.71	2	12	42	1.00(3)	10.4
310	547+09.15	546+92.92	2	12	14	1.00	2.1
311	312+62.54	313+05.52	2	18	39	0.30	12.5
312	539+39.36	539+39.35	2	12	6	1.00	1.6
313	539+01.07	539+39.51	2	12	53	1.00	15.3
314	540+93.09	307+51.00	2	12	6	1.00	0.7
315	541+64.76	541+77.30	2	12	8	1.00(4)	1.9
316	NOT USED	-	-	-	-	-	-
317	543+87.55	543+87.01	2	12	6	1.00	1.6
318	NOT USED	-	-	-	-	-	-
319	543+59.04	310+16.35	2	12	10	1.00	2.5
320	309+06.30	309+07.39	2	12	16	1.00(2)	3.8
321	310+85.71	310+85.68	2	12	10	1.00(3)	2.4
322	544+89.04	311+46.25	2	12	12	1.00(3)	2.8
323	312+69.94	312+62.54	2	12	10	1.00	2.7
324	546+05.50	312+62.54	2	12	8	1.00	1.9
325	313+34.19	313+22.65	-	72X48	18.1	0.21	
326	539+39.35	540+99.84	3	24	156	0.45	233.7
327	544+94.85	546+92.92	2	30	192	0.30	30.3
328	546+92.92	546+91.40	2	30	10	0.30	1.8
329	547+02.94	547+09.27	2	24	6	0.45	3.9
330	313+17.00	313+20.95	1	18	3	0.33	0.8
331	NOT USED	-	-	-	-	-	-
51	5+08.16	701+18.48	1	36X72	450	0.16	544.5
52	701+18.48	701+18.96	1	30	3	0.13	0.4
53	4+94.87	5+08.16	2	36	6	1.00	7.7
54	4+93.42	4+94.87	2	36	7	0.10	6.2
61	10+49.24	5+38.60	2(17)	78	521	0.16	1069.6
62	5+38.60	5+08.16	2(17)	78	22	0.14	32.0
63	11+47.61	11+38.61	2	12	13	1.00(2)	3.6
71	21+69.39	21+28.46	2	38X60	33	0.18	24.6
72	22+38.74	21+69.39	2	38X60	62	0.18	48.2
73	21+28.46	20+58.69	2	38X60	62	0.16	50.2
74	20+58.69	19+00.65	2(17)	43X68	150	0.16	207.8
75	19+00.65	16+57.60	2(17)	60	238	0.16	486.2
76	16+57.60	13+92.93	2(17)	72	260	0.16	677.0
77	13+92.93	10+49.24	2(17)	72	339	0.16	908.5
78	401+08.98	400+99.88	2	12	8	1.00	1.1
79	22+46.27	22+38.74	2	12	14	1.00	2.6
710	400+90.19	22+38.74	2	18	72	0.52	18.4
711	22+58.71	22+59.13	2	12	22	1.00	5.2
712	401+49.14	401+43.64	2	12	7	1.00	1.4
713	302+06.19	302+04.09	2	12	26	1.00	

NOTES:

(1) INDICATES MANHOLE, TYPE A, 6′ DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE.

(2) INDICATES SEWER LATERAL WITH 45° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."

(3) INDICATES SEWER LATERAL WITH 30° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."

(4) INDICATES SEWER LATERAL WITH 60° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."

(5) INDICATES CATCH BASIN TYPE C, SPECIAL.

(6) INDICATES STRUCTURE WITH FLAT SLAB TOP, IDOT STANDARD 602601.

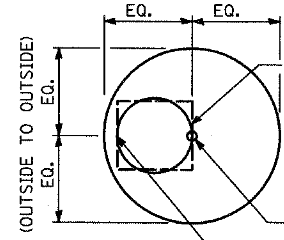
(7) FES: FLARED END SECTION. SIZE NOTED IN SCHEDULE IS GIVEN IN INCHES.

(8) SEE THE DRAINAGE & UTILITY PLANS FOR LOCATION OF ALL STRUCTURES.

(9) CATCH BASIN STATIONS ARE MEASURED TO CENTER OF STRUCTURE.

(10) CATCH BASIN OFFSETS ARE MEASURED TO FLOWLINE OF CASTING. (SEE BELOW)

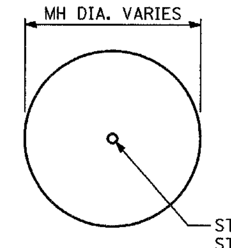
(11) FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

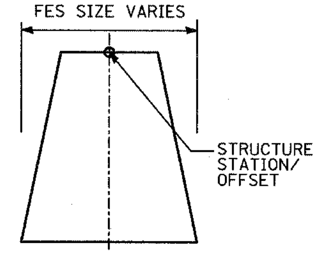
(PRECAST REINFORCED CONCRETE SECTION)

(12) MANHOLE STATIONS AND OFFSETS ARE MEASURED TO CENTER OF STRUCTURE. (SEE BELOW)



MANHOLE

(15) FLARED END SECTION AND SLOPED HEADWALL STATIONS AND OFFSETS ARE LOCATED AS SHOWN.



FES

(16) INDICATES A DRAINAGE STRUCTURE, TYPE I IDOT STANDARD 602101-01.

(17) PROPOSED STORM SEWER (WATERMAIN REQUIREMENTS) FOR STATED SIZE.

(18) THE CONTRACTOR SHALL VERIFY THE ELEVATION IN THE FIELD PRIOR TO ORDER OF MATERIAL. THE EXISTING SURVEY (I.E. MEASURE DOWNS) IS NOT AVAILABLE.

REVISIONS	
NAME	DATE
AZ	6/17/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. 41 (SKOKIE HIGHWAY)

AT IL ROUTE 132

DRAINAGE SCHEDULE

PROPOSED STRUCTURES

PROPOSED STORM SEWERS

SCALE: NONE DRAWN BY: NSB

DATE: MAY 12, 2008 CHECKED BY: DA