F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	*	LAKE	469	114
STA.	TO STA.			
FED. ROAD DIST. NO. D-91-404-99	ILLINOIS	FED. AID PROJECT		

* 125X-HB-(1&2) R-1 CONTRACT # 608

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET		BASELINE	STRUCTURE TYPE		DIA.	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
					MH	CB							
11	604+09.74	6.0	LT	RampB1		A(6)	4	T20 F&G	698.09			693.97	
12	523+88.78	27.2	LT	NB41		A(6)	4	T1F OL	698.15	693.75			693.75
13	523+50.00	3.0	RT	NB41	A		4	T1F CL	697.95	693.29	693.29		
14	521+31.69	10.2	RT	NB41		DS 1(16)	3X6.83	T20 F&G	696.38	691.67			
15	521+34.01	11.7	LT	SB41		DS 1(16)		T20 F&G	696.60				
16	520+99.23	97.2	LT	NB41	FES(7)		27x42(7)		-			691.58	
17	520+21.26	118.5	LT	NB41	FES(7)		24(7)		-			692.60	
18	520+86.67	108.1	LT	NB41	FES(7)		24(7)		-	691.88			
19	512+17.49	47.2	LT	NB41	FES(7)		12(7)		-	690.86			
110	511+55.56	46.9	LT	NB41	FES(7)		12(7)		-			690.58	
111	101+08.06	3.0	RT	RampA	A(1)		6	T1F CL	694.91		690.70		690.70
112	101+07.70	12.1	RT	RampA	FES(7)		27x42(7)		-		690.64		
113	514+79.07	46.8	RT	SB41	FES(7)		12(7)		-	689.08			
114	514+28.83	46.0	RT	SB41	FES(7)		12(7)		-			688.92	
115	520+91.66	3.0	RT	NB41	A		6	T1F CL	696.50		690.99	691.40	690.99
-	-	-	-	-	-		-		-				
-	-	-	-	-	-		-		-				
118	521+26.88	3.0	RT	NB41	A(FS)		5	T1F CL	696.72	691.64		691.64	691.62
119	518+12.26	82.5	LT	NB41	FES(7)		15(7)		-	692.39			
120	517+68.76	77.9	LT	NB41	FES(7)		15(7)		-			692.24	
21	525+70.00	3.3	LT	SB41	A		4	T1F CL	697.31	691.64		691.35	691.57
22	528+42.64	3.0	LT	SB41	A		5	T1F CL	697.88	690.67		692.41	
23	527+02.31	3.0	LT	SB41	A		6	T1F CL	696.86	690.49	691.21	689.99	687.99
24	107+26.35	21.8	LT	RampA	DROP		7	T1F CL	695.47		687.75	680.25	
25	110+26.38	38.8	LT	RampA	DROP		6	T1F CL	685.02	679.52	682.44	674.73	679.40
26	305+50.65	30.3	LT	RampC	A		4	T1F CL	687.40			681.35	
27	537+99.95	4.0	RT	NB41	A		5	T1F CL	700.51			690.40	
28	209+40.00	36.9	RT	RampB	A		4	T1F CL	691.05		685.83	679.41	
29	210+78.00	34.7	RT	RampB	A		4	T1F CL	685.46	678.06		676.06	680.95
210	404+25.09	2.0	LT	RampD		A	4	T20 F&G	690.22				684.97
211	303+57.23	2.6	RT	RampC	A		5	T1F CL	682.58	675.20	675.95	676.08	
212	403+06.61	37.5	RT	RampD		A	4	T20 F&G	686.36		679.05		
213	403+50.00	42.8	RT	RampD	A		4	T1F CL	688.29	683.55		682.93	
214	304+58.69	6.0	RT	RampC		A	4	T20 F&G	685.57	677.06			
215	525+38.93	10.2	LT	SB41		DS 1(16)	3X6.83	T20 F&G	697.18			691.93	
216	525+38.95	10.2	RT	NB41		DS 1(16)		T20 F&G	697.17				
217	525+70.00	34.1	RT	SB41		A	4	T1F OL	697.16		691.91		
218	526+86.77	10.2	LT	SB41		DS 1(16)	3X6.83	T20 F&G	696.58			691.33	
219	526+96.77	10.2	LT	SB41		DS 1(16)	3X6.83	T20 F&G	696.58	691.26		691.26	
220	526+86.79	10.2	RT	NB41		DS 1(16)		T20 F&G	696.58				
221	526+96.79	10.2	RT	NB41		DS 1(16)		T20 F&G	696.58				
222	527+86.74	34.0	LT	NB41		A	4	T20 F&G	696.97				691.15
223	528+56.19	10.2	LT	SB41		DS 1(16)		T20 F&G	697.79	692.54			
224	528+56.21	10.2	RT	NB41		DS 1(16)		T20 F&G	697.79				
225	107+90.20	6.0	RT	RampA		A	4	T20 F&G	693.65		688.40		
226	527+72.48	34.0	RT	SB41		A	4	T20 F&G	696.86		690.91		
227	402+87.09	2.0	LT	RampD		A	4	T20 F&G	685.14	678.68			678.68
228	209+87.05	6.0	LT	RampB		A	4	T20 F&G	689.87				684.62
229	209+19.16	16.0	LT	RampB		C	2	T1F OL	690.87				686.37
230	211+30.05	6.3	LT	RampB		A	4	T20 F&G	683.57				678.32
231	NOT USED	-	-	NOT USED									
232	NOT USED	-	-	NOT USED									
233	303+57.58	34.4	LT	RampC		C	2	T1F OL	681.36				676.29
234	403+42.60	42.9	RT	RampD		C	2	T1F OL	688.10			683.60	
235	210+69.16	37.5	RT	RampB		C	2	T1F OL	685.52			681.02	
236	110+10.45	43.0	LT	RampA		C	2	T1F OL	684.80			682.57	

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
11	604+09.74	523+88.78	2	12	22	1.00	2.9
12	523+88.78	523+50.00	2	12	46	1.00	7.0
13	523+50.00	521+26.88	2	12	229	0.72	46.9
14	521+31.69	521+26.88	2	12	5	1.00	1.0
15	NOT USED	-	-	-	-	-	-
16	520+99.23	520+91.66	1	27X42	103	0.58	31.0
17	520+21.26	520+86.67	1	24	72	1.00	12.6
18	NOT USED	-	-	-	-	-	-
19	512+17.49	511+55.56	1	12	64	0.44	8.4
110	NOT USED	-	-	-	-	-	-
111	101+08.06	101+07.70	1	27x42	11	0.58	
112	NOT USED	-	-	-	-	-	-
113	514+79.07	514+28.83	1	12	49	0.32	10.0
114	NOT USED	-	-	-	-	-	-
115	520+91.66	101+08.06	1	27x42	50	0.58	
116	NOT USED	-	-	-	-	-	-
117	NOT USED	-	-	-	-	-	-
118	521+26.88	520+91.66	2	12	33	0.72	7.5
119	518+12.26	517+68.76	1	15	50	0.30	-
120	NOT USED	-					-
21	525+70.00	527+02.31	2	12	128	0.67	43.6
22	528+42.64	527+02.31	2(17)	18	135	0.50	92.3
23	527+02.31	107+26.35	2(17)	24	50	0.51	47.4
24	107+26.35	110+26.38	3	24	294	0.25	404.3
25	110+26.38	111+42.78	2	24	111	0.25	105.2
26	305+50.65	307+51.00	2	12	196	0.44	142.7
27	537+99.95	539+39.35	2	24	135	0.45	133.5
28	209+40.00	210+78.00	3	18	135	1.00	153.8
29	210+78.00	212+69.42	2	18	187	0.50	131.3
210	404+25.09	404+24.41	2	12	41	1.00(2)	9.7
211	303+57.23	301+13.45	2	21	241	0.25	79.8
212	403+06.61	402+87.09	2	12	37	1.00	24.0
213	403+50.00	407+00.00	2	15	345	0.44	286.7
214	304+58.69	303+57.23	2	12	98	1.00	72.9
215	525+38.93	525+70.00	2	12	29	1.00	7.8
216	NOT USED	-	-	-	-	-	-
217	525+70.00	525+70.00	2	12	34	1.00	9.1
218	526+86.77	526+96.77	2	15	7	1.00	1.7
219	526+96.77	527+02.31	2	15	5	1.00	1.4
220	NOT USED	-	-	-	-	-	-
221	NOT USED	-	-	-	-	-	-
222	527+86.74	527+86.85	2	12	50	1.00	15.0
223	528+56.19	528+42.64	2	12	13	1.00	3.3
224	NOT USED	-	-	-	-	-	-
225	107+90.20	107+87.92	2	12	31	1.00(2)	7.3
226	527+72.48	527+72.36	2	12	33	1.00	10.2
227	402+87.09	402+49.96	2	12	34	1.00	10.5
228	209+87.05	209+87.05	2	12	41	1.00(2)	9.7
229	209+19.16	209+40.00	2	12	54	1.00	11.1
230	211+30.05	211+30.33	2	12	38	1.00(2)	9.0
231	NOT USED	-	-	-	-	-	-
232	NOT USED	-	-	-	-	-	-
233	303+57.58	303+57.23	2	12	34	1.00	10.5
234	403+42.60	403+50.00	2	12	5	1.00	0.9
235	210+69.16	210+78.00	2	12	7	1.00	2.2
236	110+10.45	110+26.38	2	12	13	1.00	

(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.

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.

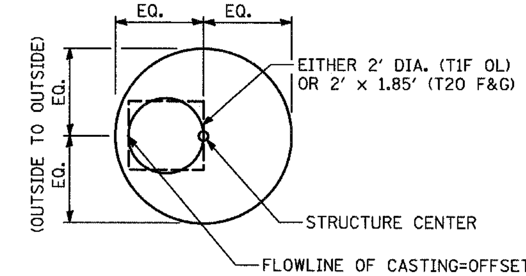
(7) FES: FLARED END SECTION. SIZE NOTED IN SCHEDULE IS GIVEN IN INCHES.

(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)

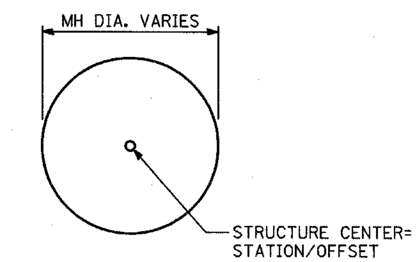
(11) FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

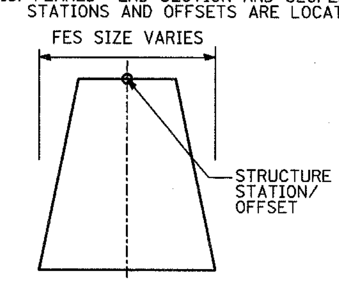
(PRECAST REINFORCED CONCRETE SECTION)

(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

SHEET 1 OF 4

REVISIONS	
NAME	DATE

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

PLAN — NOTE BOOK NO. — SURVEYED — PLOTTED — ALIGNMENT CHECKED — R/L OF WAY CHECKED — CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK NO. — SURVEYED — PLOTTED — GRADES CHECKED — B.M. NOTED — STRUCTURE NOTATIONS CHKD — BY — DATE