F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	764	353
STA. 88+60 (SB I-57) 1126+91 (SB FORD)		TO STA. 1313+00 (SB RYAN)		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (1516.1, 1717, & 1818) R-5

62593

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE MH	STRUCTURE TYPE CB	DIA.	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
302	1283+31.61	76.9 LT	A		5′	T1F CL	-7.21	-16.56		-17.06	-13.71
303	1283+32.11	10.0 RT		A(7)	4′	T20 F&G	-7.22				-13.12
304	1283+31.58	72.0 LT		A	4′	T20 F&G	-7.60		-13.45		-13.70
305	1284+23.08	72.0 LT		A	4′	T20 F&G	-8.75				-14.58
306	1285+15.03	10.0 RT		A(7)	4′	T20 F&G	-9.59				-15.38
307	1285+14.73	66.4 LT		A	4′	T20 F&G	-9.72		-15.68		-15.93
308	1286+94.37	10.0 RT		A(7)	4′	T20 F&G	-11.03				-16.19
309	1286+94.37	66.0 LT		A	4′	T20 F&G	-11.14	-16.74	-16.49		
3010	1287+42.13	73.3 LT	A		5′	T1F CL	-8.49	-17.30	-17.30	-16.93	-14.49(S)
3011	1287+31.95	10.0 RT		A(7)	4′	T20 F&G	-11.10	-16.94			
3012	1287+51.95	10.0 RT		A(7)	4′	T20 F&G	-11.10			-16.94	
3013	1287+41.95	10.0 RT		A(7)	4′	T20 F&G	-11.10	-16.97		-16.97	-16.97
3014	1287+35.56	76.0 LT		C	2′	T1F OL	-9.20	-14.47			
3015	NOT USED	- -	-	-	-	-	-				
3016	1287+41.87	67.9 LT		A	4′	T20 F&G	-11.28	-17.28	-17.28	-17.28	-17.28
3017	1287+31.88	67.5 LT		A	4′	T20 F&G	-11.27	-17.25			
3018	1287+51.88	68.2 LT		A	4′	T20 F&G	-11.30			-17.25	
3019	1288+43.66	71.8 LT		A	4′	T20 F&G	-11.10				-16.21 1
3020	1288+80.83	10.0 RT		A(7)	4′	T20 F&G	-10.54				-16.37
3021	1288+80.69	72.0 LT		A	4′	T20 F&G	-10.85	-16.70	-16.70		-16.95
3022	1285+21.50	73.1 LT		C	2′	T1F OL	-7.51			-12.25	
3023	1282+99.93	79.8 LT		C	2′	T1F OL	-7.80	-13.58			
311	1289+14.06	76.9 LT		C	2′	T1F OL	-10.81			-16.56	
312	1290+29.16	10.0 RT		A(7)	4′	T20 F&G	-9.43				-15.21
313	1290+28.97	72.8 LT		A	4′	T20 F&G	-9.71		-15.54		-15.54
314	1291+79.49	10.0 RT		A(7)	4′	T20 F&G	-8.30				-14.27
315	1293+55.00	10.0 RT		A(7)	4′	T20 F&G	-6.98				-12.86
321	1295+31.04	10.0 RT		A(7)	4′	T20 F&G	-5.83				-12.22
322	1297+00.56	10.0 RT		A(7)	4′	T20 F&G	-5.17				-10.91
323	1298+40.00	10.0 RT		A(7)	4′	T20 F&G	-4.96				-10.40
324	1300+24.56	10.0 RT		A(7)	4′	T20 F&G	-5.16				-10.99
331	1301+79.49	9.9 RT		A(7)	4′	T20 F&G	-5.73				-11.03
332	1303+29.51	8.4 RT		A(7)	4′	T20 F&G	-6.42				-11.78
333	1304+79.51	6.9 RT		A(7)	4′	T20 F&G	-7.11				-12.50
334	1306+29.52	6.5 RT		A(7)	4′	T20 F&G	-7.84				-13.17
341	1307+88.29	4.9 RT		A(7)	4′	T20 F&G	-8.57				-14.40
342	1309+46.87	5.0 RT		A(7)	4′	T20 F&G	-9.37				-14.73
343	1310+23.72	5.1 RT		A(7)	4′	T20 F&G	-9.72				-15.12
344	1310+47.13	5.1 RT		A(7)	4′	T20 F&G	-9.76	-16.08			
345	1310+63.64	5.1 RT		A(7)	4′	T20 F&G	-9.77	-16.14		-16.14	-16.14
346	1310+77.13	5.1 RT		A(7)	4′	T20 F&G	-9.76			-16.10	
347	1310+78.62	80.2 LT		C	2′	T1F OL	-10.25			-15.80	
348	NOT USED	- -	-	-	-	-	-				
349	1310+63.64	72.0 LT		A	4′	T20 F&G	-10.35	-16.45	-16.45	-16.45	-16.45
3410	1311+06.72	76.6 LT	A		5′	T1F CL	-9.78	-16.02		-18.93	
3411	1310+53.64	72.0 LT		A	4′	T20 F&G	-10.35	-16.42			
3412	1310+78.64	72.0 LT		A	4′	T20 F&G	-10.35			-16.40	
3413	1311+98.43	4.9 RT		A(7)	4′	T20 F&G	-9.15				-15.12
3414	1311+94.89	66.4 LT		A	4′	T20 F&G	-9.55		-15.40	-15.65	
561	1128+17.05	22.0 LT		A	4′	T20 F&G	3.44	-2.39			
562	1128+22.22	32.4 RT		A	4′	T20 F&G	3.67		-2.85	-2.60	
563	1128+06.09	41.0 RT	A		5′	T1F CL	3.58		-10.28	-2.92	-9.78
564	1127+64.85	46.4 RT	A(2)		6′	T1F CL	3.79		-10.47		-10.47
565	1129+76.05	22.0 LT		A	4′	T20 F&G	3.04				-3.04
566	1129+96.05	22.0 LT		A	4′	T20 F&G	3.06		-3.04		
567	1129+86.05	33.9 LT		C	2′	T1F OL	1.54	-3.02			

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
294	1279+69.43	1279+69.47	2	15	5	0.44	0.5
295	1281+49.12	1281+48.58	2	12	74	0.44	11.2
296	1281+48.58	1281+48.56	2	15	3	0.44	0.5
297	1281+48.56	1280+78.07	3	24	65	0.35	100.3
298	1277+87.59	1277+95.79	2	12	6	0.44	0.0
301	1285+07.25	1283+31.61	2	18	171	0.34	69.9
302	1283+31.61	1281+48.56	3	24	179	0.35	0.0
303	1283+32.11	1283+31.58	2	12	74	0.44	11.2
304	1283+31.58	1283+31.61	2	15	3	0.44	0.6
1 305	1284+23.08	1284+16.16	2	12	9	0.44(4)	1.4
306	1285+15.03	1285+14.73	2	12	69	0.44	10.5
307	1285+14.73	1285+07.25	2	15	11	0.44	4.5
308	1286+94.37	1286+94.37	2	12	68	0.44	6.1
309	1286+94.37	1287+42.13	2	15	45	0.44	12.7
3010	1287+42.13	1287+80.45	2	36	33	0.21	26.1
3011	1287+31.95	1287+41.95	2	15	6	0.44	0.9
3012	1287+51.95	1287+41.95	2	15	6	0.44	0.9
3013	1287+41.95	1287+41.87	2	15	70	0.44	10.0
3014	1287+35.56	1287+42.13	2	12	4	0.44	0.0
3015	NOT USED	-	-	-	-	-	-
1 3016	1287+41.87	1287+42.13	2	15	5	0.44	1.6 1
3017	1287+31.88	1287+41.87	2	15	6	0.44	0.9
3018	1287+51.88	1287+41.87	2	15	6	0.44	0.9
3019	1288+43.66	1288+43.74	2	12	7	0.44	0.4
3020	1288+80.83	1288+80.69	2	12	74	0.44	11.2
3021	1288+80.69	1288+80.68	2	15	9	0.44	0.8
3022	1285+21.50	1285+07.25	2	12	12	0.44	0.0
3023	1282+99.93	1283+31.61	2	12	29	0.44	0.0
311	1289+14.06	1288+80.69	2	12	32	0.44	4.5
312	1290+29.16	1290+28.97	2	12	75	0.44	10.7
313	1290+28.97	1290+28.93	2	12	16	0.44	0.6
314	1291+79.49	1291+79.91	2	12	66	0.44	10.8
315	1293+55.00	1293+54.89	2	12	66	0.44	9.4
321	1295+31.04	1295+30.02	2	12	66	0.44	14.9
322	1297+00.56	1297+00.49	2	12	66	0.44	10.8
323	1298+40.00	1298+08.16	2	12	74	0.44	9.8
324	1300+24.56	1300+24.43	2	12	66	0.44	11.4
331	1301+79.49	1301+79.36	2	12	66	0.44	8.7
332	1303+29.51	1303+29.38	2	12	56	0.44	7.4
333	1304+79.51	1304+79.20	2	12	54	0.44	6.6
334	1301+79.49	1306+30.84	2	12	63	0.44	7.0
341	1307+88.29	1307+89.78	2	12	61	0.44	9.3
342	1309+46.87	1309+47.46	2	12	62	0.44	6.9
343	1310+23.72	1310+26.15	2	12	62	0.44	6.9
344	1310+47.13	1310+63.64	2	15	13	0.44	2.7
345	1310+63.64	1310+63.64	2	15	70	0.44	13.3
346	1310+77.13	1310+63.64	2	15	10	0.44	2.0
347	1310+78.62	1310+70.46	2	12	9	0.44	0.0
348	NOT USED	-	-	-	-	-	-
349	1310+63.64	1310+70.46	2	15	5	0.44	30.5
3410	1311+06.72	1310+70.46	3	24	32	0.29	38.8
3411	1310+53.64	1310+63.64	2	15	6	0.44	1.0
3412	1310+78.64	1310+63.64	2	15	11	0.44	1.8
3413	1311+98.43	1311+94.89	2	12	64	0.44	10.7
3414	1311+94.89	1311+06.72	2	15	85	0.44	14.9
561	1128+17.05	1128+22.22	2	12	47	0.44	18.0

NOTES:

(1) INDICATES INLET TYPE A, 2′ DIAMETER, TYPE 20 FRAME & GRATE.

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

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

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

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

(6) INDICATES MANHOLE TYPE A WITH FLAT SLAB TOP, IDOT STANDARD 602601.

(7) INDICATES CATCH BASIN REQUIRING TEMPORARY SOIL RETENTION SYSTEM WITH INSTALLATION.

(8) ALL STRUCTURE ELEVATIONS IN RESURFACED AREAS COME FROM AERIAL SURVEY AND SHOULD BE VERIFIED IN THE FIELD AND ADJUSTED TO MATCH EXISTING CONDITIONS.

CASING SIZES

PIPE SIZE	CASING SIZE (OD)•	CASING WALL THICKNESS
12″	30″	0.500″
24″	42″	0.625″
30″	48″	0.688″
36″	48″	0.688″

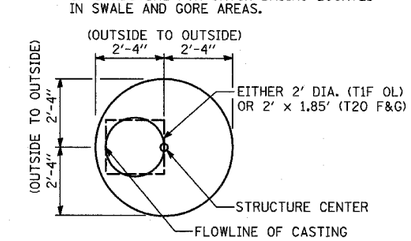
•ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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

CATCH BASIN STATIONS ARE MEASURED TO CENTER OF STRUCTURE.

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

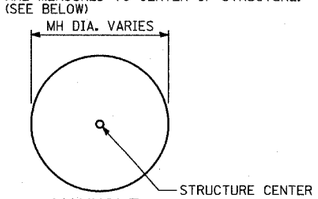
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 6 OF 8

REVISIONS NAME	DATE
1 ADDENDUM 1	05/08/06

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)

DRAINAGE STRUCTURE SCHEDULE

SCALE: NONE DRAWN BY: RD

DATE: MARCH 1, 2006 CHECKED BY: DA

TY·LIN INTERNATIONAL

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