F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	764	348
STA. 88+60 (SB I-57) TO STA. 1313+00 (SB RYAN)				
STA. 1126+91 (SB FORD)				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516.1, 1717, & 1818) R-5				62593

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE		DIA.	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
			MH	CB							
11	91+38.00	36.0 LT		A	4'	T20 F&G	2.27	-3.13	-3.13	-3.13	
12	92+36.42	36.0 LT		A	4'	T20 F&G	2.40			-2.72	
13	91+36.29	41.0 LT		C	2'	T1F OL	2.61			-3.11	
14	91+69.48	36.0 LT		A	4'	T20 F&G	2.24				-3.03
15	91+53.00	36.0 LT		A	4'	T20 F&G	2.25		-3.08		-3.08
21	94+30.87	36.0 LT		A	4'	T20 F&G	3.40			-1.70	
22	97+68.52	29.3 RT		A(7)	4'	T20 F&G	3.24	-2.59			
23	97+68.44	36.0 LT		A	4'	T20 F&G	3.68		-2.85	-2.85	
31	99+17.11	27.3 RT		A(7)	4'	T20 F&G	2.57	-3.01			
32	99+17.11	36.0 LT		A	4'	T20 F&G	2.99	-3.49		-3.26	-3.49
33	100+66.31	27.3 RT		A(7)	4'	T20 F&G	1.80	-4.03			
34	100+66.27	37.4 LT		A	4'	T20 F&G	2.23	-4.28		-4.28	
35	102+32.60	27.1 RT		A(7)	4'	T20 F&G	0.95	-4.88			
36	102+32.56	40.7 LT		A	4'	T20 F&G	1.30	-5.14	-5.14	-5.14	
37	103+42.28	27.3 RT		A(7)	4'	T20 F&G	0.37	-4.45			
38	104+74.28	27.2 RT		A(7)	4'	T20 F&G	-0.31	-5.28			
39	102+50.00	44.6 LT		C	2'	T1F OL	1.38				-5.07
310	104+88.38	54.1 LT		A	4'	T20 F&G	-0.21	-5.60		-5.60	
41	106+26.36	24.5 RT		A	4'	T20 F&G	-0.98	-6.13		-6.13	
42	106+26.37	42.1 LT		A	4'	T20 F&G	-0.68	-6.39		-6.39	
43	106+52.92	45.3 LT		C	2'	T1F OL	1.48				-6.31
44	108+80.55	58.6 LT	A		4'	T1F CL	0.84		-12.32	-8.58	
45	110+25.40	58.6 LT	A		4'	T1F CL	-0.59		-13.13	-9.34	-12.88
46	108+79.87	22.0 RT		A	4'	T20 F&G	-2.19	-8.02			
47	108+79.87	48.0 LT		A	4'	T20 F&G	-2.23	-8.54		-8.29	
48	110+25.35	22.0 RT		A	4'	T20 F&G	-2.95	-8.78			
49	110+25.35	48.0 LT		A	4'	T20 F&G	-3.03	-9.30		-9.05	
51	111+66.73	58.6 LT	A		5'	T1F CL	-1.24		-14.04	-9.82	-13.54
52	112+70.13	58.6 LT	A		5'	T1F CL	-1.56	-8.31(W)	-14.74	-10.96	-14.24
53	114+66.31	58.6 LT	A		6'	T1F CL	-0.79		-9.55	-15.62	-15.12
54	111+67.59	22.0 RT		A	4'	T20 F&G	-3.68	-9.51		-9.51	
55	111+67.59	48.0 LT		A	4'	T20 F&G	-3.76	-9.78		-9.78	
56	112+60.07	22.0 RT		A	4'	T20 F&G	-4.02		-10.12		
57	112+70.07	22.0 RT		A	4'	T20 F&G	-4.02	-10.15	-10.15		-10.15
58	112+80.07	22.0 RT		A	4'	T20 F&G	-4.02				-10.12
59	112+59.28	51.6 LT		C	2'	T1F OL	-3.90	-8.27			
510	NOT USED	- -	-	-	-	-	-				
511	112+60.07	48.0 LT		A	4'	T20 F&G	-4.10		-10.39		
512	112+70.07	48.0 LT		A	4'	T20 F&G	-4.10	-10.92	-10.42	-10.42	-10.42
513	112+80.07	48.0 LT		A	4'	T20 F&G	-4.10				-10.39
514	114+93.09	22.0 RT		A	4'	T20 F&G	-3.09	-8.92			
515	114+93.09	48.0 LT		A	4'	T20 F&G	-3.17			-9.19	-9.44
61	117+48.62	58.6 LT	A		4'	T1F CL	3.86		-7.51	-7.08	
62	119+02.28	58.6 LT	A		4'	T1F CL	3.10		-7.90	-7.65	-7.90
63	120+20.42	58.6 LT	A		5'	T1F CL	1.39	-5.36(E)	-8.45	-7.95	-8.20
64	121+92.51	57.2 LT	A		5'	T1F CL	1.17		-8.80	-6.96	-8.80
65	117+32.86	22.0 RT		A	4'	T20 F&G	-1.90	-6.73		-6.73	
66	117+32.78	43.3 LT		A	4'	T20 F&G	-1.75	-6.99		-6.99	-6.99
67	119+02.20	22.0 RT		A	4'	T20 F&G	-1.04	-7.09			
68	119+02.20	48.0 LT		A	4'	T20 F&G	-1.09	-7.61		-7.36	
69	117+25.44	48.0 LT		C	2'	T1F OL	0.52		-6.96		
610	120+20.42	22.0 RT		A	4'	T20 F&G	0.06	-7.39	-7.39		
611	120+20.31	48.0 LT		A	4'	T20 F&G	-1.14	-7.91		-7.66	
612	121+92.37	22.1 RT		A	4'	T20 F&G	1.74	-6.40			
613	121+92.35	48.0 LT		A	4'	T20 F&G	-0.83	-6.93		-6.68	
614	120+29.65	52.8 LT		C	2'	T1F OL	-0.95				-5.33

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
11	91+38.00	91+43.28	2	15	45	0.32	5.0
12	92+36.42	92+35.23	2	12	45	0.44	4.5
13	91+36.29	91+38.00	2	12	4	0.44	0.5
14	91+69.48	91+53.00	2	15	13	0.44	0.8
15	91+53.00	91+38.00	2	15	11	0.44	1.9
21	94+30.87	94+27.34	2	12	45	0.44	4.5
22	97+68.52	97+68.44	2	12	58	0.44	10.6
23	97+68.44	99+17.11	2	12	145	0.44	31.2
31	99+17.11	99+17.11	2	12	56	0.44	9.1
32	99+17.11	99+19.26	2	15	14	0.44	0.6
33	100+66.31	100+66.27	2	12	57	0.44	10.4
34	100+66.27	100+66.07	2	12	12	0.44	0.5
35	102+32.60	102+32.56	2	12	60	0.44	10.9
36	102+32.56	102+17.96	2	12	14	0.44	1.3
37	103+42.28	103+21.14	2	12	65	0.44	5.9
38	104+74.28	104+88.38	2	12	75	0.44	5.8
39	102+50.00	102+32.56	2	12	16	0.44	3.4
310	104+88.38	104+89.35	2	12	11	0.44(3)	0.4
41	106+26.36	106+26.37	2	12	59	0.44	6.5
42	106+26.37	106+26.20	2	12	6	0.44	1.3
43	106+52.92	106+26.20	2	12	24	0.44	4.0
44	108+80.55	110+25.40	3	15	141	0.40	0.0
45	110+25.40	111+66.73	3	18	137	0.30	0.0
46	108+79.87	108+79.87	2	12	62	0.44	10.1
47	108+79.87	108+80.55	2	15	9	0.44	1.5
48	110+25.35	110+25.35	2	12	62	0.44	10.1
49	110+25.35	110+25.40	2	15	9	0.44	0.7
410	106+25.21	106+26.36	2	12	4	0.44	0.4
51	111+66.73	112+70.13	3	24	99	0.20	0.0
52	112+70.13	114+66.31	3	30	191	0.20	0.0
53	114+66.31	114+66.19	JIP	36	115	0.20	0.0
54	111+67.59	111+67.59	2	12	62	0.44	10.1
55	111+67.59	111+66.73	2	12	9	0.44	1.6
56	112+60.07	112+70.07	2	15	7	0.44	1.3
57	112+70.07	112+70.07	2	15	62	0.44	11.8
58	112+80.07	112+70.07	2	15	6	0.44	1.0
59	112+59.28	112+70.13	2	12	10	0.44	0.0
510	NOT USED	-	-	-	-	-	-
511	112+60.07	112+70.07	2	15	6	0.44	1.1
512	112+70.07	112+70.13	2	21	9	0.44	0.8
513	112+80.07	112+70.07	2	15	6	0.44	1.1
514	114+93.09	114+93.09	2	12	62	0.44	10.1
515	114+93.09	114+66.31	2	15	25	0.44	22.8
518	111+57.51	111+67.59	2	12	11	0.44	1.6
519	112+59.53	112+70.07	2	12	12	0.44	1.7
61	117+48.62	119+02.28	2	18	150	0.26	0.0
62	119+02.28	120+20.42	2	18	114	0.26	0.0
63	120+20.42	121+92.51	2	21	166	0.21	0.0
64	121+92.51	123+31.04	2	21	130	0.21	0.0
65	117+32.86	117+32.78	2	12	58	0.44	4.0
66	117+32.78	117+48.62	2	12	20	0.44	3.1
67	119+02.20	119+02.20	2	12	62	0.44	11.4
68	119+02.20	119+02.28	2	15	9	0.44	3.6
69	117+25.44	117+32.78	2	12	7	0.44	1.4
610	120+20.42	120+20.31	2	12	62	0.44	16.6
611	120+20.31	120+20.42	2	15	9	0.44	1.2

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"

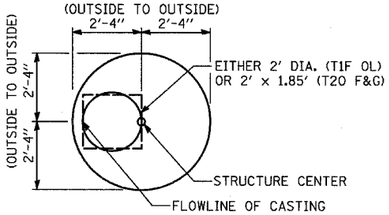
•ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

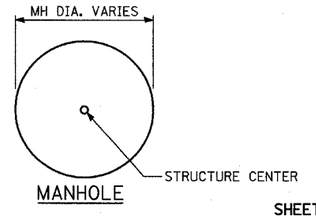
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 1 OF 8

REVISIONS NAME	DATE
⚠ 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

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