F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	860	254
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (1516.1, 1717 & 1818) R-8

62694

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	8798+59.00	6.5	LT		A(1)	4'	T1F OL	20.66		15.41		
12	8799+33.96	12.6	LT		A(1)	4'	T1F OL	19.62	14.37			14.37
13	194+28.25	17.1	RT	A		4'	T1F CL	1.71		-4.58	-2.79	
14	8801+28.73	4.0	RT		A	4'	T20 F&G	15.35	10.10			
15	8801+30.19	18.0	LT		A	4'	T20 F&G	15.32	10.03		10.03	
16	196+29.24	17.1	RT	A		4'	T1F CL	3.30		-5.93	-1.20	-5.43
21	8803+74.00	4.0	RT		A	4'	T20 F&G	6.72	1.47			
22	8803+74.00	18.0	LT		A	4'	T20 F&G	7.08	1.41		1.41	
23	199+57.51	17.1	RT	A		4'	T1F CL	4.62	-1.61		-7.22	-7.22
24	199+72.62	55.0	RT	A		5'	T1F CL	9.05	-7.36	-7.85		-1.80(E)
25	8806+22.01	4.0	RT		A	4'	T20 F&G	2.31	-2.95		-2.95	-2.95
26	201+09.83	6.3	RT	PLUG					-2.83			
27	8807+59.04	4.0	RT		A	4'	T20 F&G	1.69	-3.56		-3.56	
28	202+53.41	4.0	RT	PLUG					-3.47			
29	199+64.11	5.0	RT		A	4'	T20 F&G	3.69			-1.56	
210	202+54.42	38.0	RT	A		5'	T1F CL	1.86		-9.47		-8.96
211	201+00.50	38.4	RT		C	2'	T1F OL	5.51		0.66		
215	201+15.47	46.3	RT	A		5'	T1F CL	6.97		-8.42		-8.42
2119	8805+00.00	4.0	RT		A	4'	T20 F&G	3.54				-1.71
3A1	206+22.98	33.9	RT	DROP		7'	T1F CL	2.42	-13.38	-9.38		-10.38
3A2	208+10.42	29.4	RT	A		5'	T1F CL	1.27				-8.65
3A3	104+31.14	67.9	LT	DROP		6'	T1F CL	5.42		-9.35	-13.35	-9.79
3A4	206+23.00	64.5	LT	A		5'	T1F CL	-1.08	-13.57		-13.57	-15.07
3A5	206+08.00	64.5	LT	A(2)		6'	T1F CL	-0.98		-15.08		-15.08
3A6	205+18.00	64.5	LT	DROP		8'	T1F CL	-0.68		-15.18	-20.53	
3A7	8809+00.00	3.2	RT		A	4'	T20 F&G	0.84	-4.02		-4.02	
3A8	206+33.48	180.6	LT	PLUG						-9.32		
3A9	206+12.56	182.5	LT	PLUG								-9.76
3A10	203+92.15	13.6	RT	PLUG					-3.97			
3C1	216+58.04	51.9	LT	DROP		7'	T1F CL	-3.52		-9.97	-15.85	-11.47
3C2	216+57.96	30.8	RT	A		5'	T1F CL	1.82	-15.97			-16.97
3C3	216+48.30	30.8	RT	A(2)		6'	T1F CL	1.82		-16.98		-16.98
3C4	216+38.39	30.8	RT	DROP		7'	T1F CL	1.87	-22.69	-16.99		
3C5	216+68.54	51.9	LT	PLUG						-9.93		
3C6	216+47.54	51.9	LT	PLUG								-11.45
51	8760+88.01	4.0	RT		A	4'	T20 F&G	15.08			9.83	
52	8760+88.01	18.0	LT		A	4'	T20 F&G	15.12		9.77		9.77
53	2025+11.85	41.1	RT	A(6)		5'	T1F CL	-9.84	-14.34	-17.57	-14.34	-17.57
54	8763+31.37	4.0	RT		A	4'	T20 F&G	5.04			-0.21	
55	8763+31.29	18.0	LT		A	4'	T20 F&G	5.96	-0.27		-0.27	
56	2027+59.87	41.1	RT	A(6)		5'	T1F CL	-9.71	-15.72	-16.97	-15.72	
57	2027+48.63	41.4	RT	PLUG								-16.99
58	2025+23.08	41.5	RT	PLUG						-17.55		
59	2025+00.62	41.6	RT	PLUG								-17.59
61	2029+66.88	97.4	RT		C	2'	T1F OL	-2.90				-7.75
62	8765+28.14	4.0	RT		A	4'	T20 F&G	-2.90		-8.15		-8.15
63	8765+28.14	18.0	LT		A	4'	T20 F&G	-1.98		-7.23		
64	8765+28.14	8.0	LT	A		4'	T1F CL	-2.30	-9.07	-8.18		-7.25
65	8766+31.34	8.1	LT	A		4'	T1F CL	-3.62	-9.52	-9.52	-9.52	-8.64
66	8766+48.14	18.0	LT		A	4'	T20 F&G	-3.32			-8.57	
67	8766+53.02	4.0	RT		A	4'	T20 F&G	-4.23			-9.48	
68	8766+43.02	4.0	RT		A	4'	T20 F&G	-4.24	-9.51	-9.51		
69	2031+25.81	73.0	RT		C	2'	T1F OL	-4.52	-9.37			
610	2030+92.83	79.6	RT	A		5'	T1F CL	-2.75	-10.35		-9.60	-9.56

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
11	8798+59.00	8799+33.96	2	12	72	1.44	26.4
12	8799+33.96	194+28.25	2	12	48	35.75	2.0
13	194+28.25	196+29.24	2	12	197	0.44	72.6
14	8801+28.73	8801+30.19	2	12	15	0.44	15.3
15	8801+30.19	196+29.24	2	12	33	34.03	2.2
16	196+29.24	199+57.51	3	18	324	0.40	368.5
21	8803+74.00	8803+74.00	2	12	14	0.44	14.2
22	8803+74.00	198+66.19	2	12	18	0.44(3)	0.0
23	199+57.51	199+72.62	3	18	36	0.40	42.3
24	199+72.62	201+15.47	3	24	139	0.40	0.0
25	8806+22.01	201+15.47	2	12	11	0.44	2.1
26	201+09.83	8806+22.01	2	12	25	0.44	31.5
27	8807+59.04	202+54.42	2	12	8	0.44	2.3
28	202+53.41	8807+59.04	2	12	21	0.44	21.4
29	199+64.11	199+57.51	2	12	12	0.44	2.6
210	202+54.42	206+22.98	3	30	364	0.25	0.0
211	201+00.50	8806+22.01	2	12	13	27.77	13.2
215	201+15.47	202+54.42	2	24	135	0.40	0.0
2119	8805+00.00	199+72.62	2	12	20	0.44	20.3
3A1	206+22.98	206+23.00	4	36	94	0.20	0.0
3A2	208+10.42	206+22.98	3	18	183	0.40	0.0
3A3	104+31.14	206+23.00	4	36	112	0.20	0.0
3A4	206+23.00	206+08.00	3	42	10	0.10	0.0
3A5	206+08.00	205+18.00	4	42	85	0.12	0.0
3A6	205+18.00	205+17.99	5	42	13	0.12	0.0
3A7	8809+00.00	203+92.30	2	12	13	0.44(3)	0.0
3A8	206+33.48	104+31.14	4	18	8	0.40	0.0
3A9	206+12.56	104+31.14	4	24	8	0.40	0.0
3A10	203+92.15	8809+00.00	2	12	8	0.44	0.0
3C1	216+58.04	216+57.96	4	36	78	0.16	5.1
3C2	216+57.96	216+48.30	4	36	5	0.16	5.1
3C3	216+48.30	216+38.39	4	36	5	0.16	16.3
3C4	216+38.39	216+38.39	6	36	16	0.16	8.1
3C5	216+68.54	216+58.04	3	15	8	0.45	8.1
3C6	216+47.54	216+58.04	3	36	8	0.20	8.1
51	8760+88.01	8760+88.01	2	12	14	0.44	14.2
52	8760+88.01	2025+11.85	2	12	128	3.57	2.2
53	2025+11.85	2025+09.94	2	12	6	0.44	2.5
54	8763+31.37	8763+31.29	2	12	14	0.44	14.2
55	8763+31.29	2027+59.87	2	12	63	24.52	4.9
56	2027+59.87	2027+59.07	2	12	7	4.86	2.5
57	2027+59.87	2027+48.63	2	27	8	0.25	8.1
58	2025+23.08	2025+11.85	2	27	8	0.25	8.1
59	2025+11.85	2025+00.62	2	30	8	0.25	8.1
61	2029+66.88	8765+28.14	2	12	20	2.00	12.5
62	8765+28.14	8765+28.14	2	12	6	0.44	6.1
63	8765+28.14	8765+28.14	2	12	4	0.44	4.1
64	8765+28.14	8766+31.34	2	15	100	0.45	24.8
65	8766+31.34	2030+92.83	2	18	17	0.47	2.2
66	8766+48.14	8766+31.34	2	12	15	0.44	15.3
67	8766+53.02	8766+43.02	2	12	6	0.44	6.1
68	8766+43.02	2030+92.83	2	12	12	0.44	2.5
69	2031+25.81	2031+27.73	2	12	4	0.44	0.0
610	2030+92.83	2032+28.34	3	27	126	0.24	0.0

NOTES:

(1) INDICATES CATCH BASIN WITH HALF TRAP, 4' DIAMETER, TYPE 1 FRAME & OPEN LID OR 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.

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"

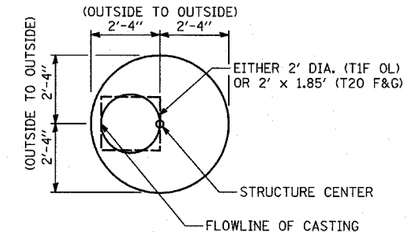
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

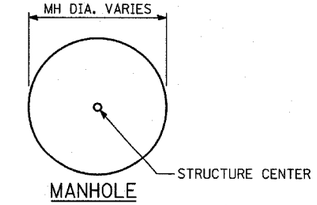
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



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
REVISED	05/06/05
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

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

DRAINAGE STRUCTURE SCHEDULE

SCALE: NONE

DATE: MARCH 18, 2005

DRAWN BY: NSB

CHECKED BY: DA

TYLIN INTERNATIONAL