F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	860	255
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							
611	2032+28.34	67.2	RT	A(6)		5′	T1F CL	-2.42	-10.65		-10.65	-6.99
612	2033+79.59	62.2	RT	A		5′	T1F CL	1.89	-11.46		-10.99	
613	8768+06.15	4.0	RT		A	4′	T20 F&G	-1.55		-6.80		-6.80
614	8769+12.88	4.0	RT		A	4′	T20 F&G	1.65		-3.60		
615	2032+69.79	28.7	RT	PLUG								-6.70
616	2030+74.53	43.2	RT	PLUG							-9.44	
617	NOT USED	-	-	-	-	-	-	-	-	-	-	-
618	8766+24.19	4.0	RT		A	4′	T20 F&G	-4.21				-9.46
71	2034+83.50	55.4	RT		C	2′	T1F OL	4.22	-0.63			
72	2035+02.90	60.2	RT	A		5′	T1F CL	5.31	-11.74		-11.74	-0.65
73	2035+02.88	48.3	RT		A	4′	T20 F&G	5.07		-0.27		-0.27
74	2035+92.40	58.1	RT	A(2)		6′	T1F CL	7.34	-11.97		-11.97	
75	2036+35.46	45.5	RT		A	4′	T20 F&G	8.05		2.69		
76	2038+14.48	52.2	RT	A		4′	T1F CL	10.05	5.67		-10.73	
77	2036+19.20	57.8	RT	A(2)		6′	T1F CL	7.89	-11.47	2.62	-11.47	
78	2037+55.18	43.0	RT		A	4′	T20 F&G	10.09		4.73		4.73
79	2038+44.71	40.0	RT		A	4′	T20 F&G	11.20			5.94	
710	2035+02.80	36.3	RT	PLUG								-0.23
711	2037+55.00	31.0	RT	PLUG								4.77
81	8739+87.68	18.0	LT		A(1)	4′	T1F OL	16.26	11.01			
82	8740+82.16	18.0	LT		A(1)	4′	T1F OL	16.45	11.20			
83	8741+71.82	18.0	LT		A	4′	T20 F&G	16.68		11.43		
84	8740+87.34	9.4	LT	A		4′	T1F CL	16.97	5.28	11.38	10.58	
85	8741+83.85	4.0	RT		A	4′	T20 F&G	16.52	11.27			
86	2212+23.40	133.3	RT		A(1)	4′	T1F OL	17.28				11.28
87	2212+38.40	133.3	RT		A(1)	4′	T1F OL	17.38			11.38	
88	8741+71.68	7.6	LT	A		4′	T1F CL	16.82	4.42	11.22	4.48	11.41
91	8742+75.22	8.0	LT	A		4′	T1F CL	14.43	3.18	9.10	3.43	
92	8742+67.53	4.0	RT		A	4′	T20 F&G	14.39	9.14			
93	8743+06.46	18.0	LT		A	4′	T20 F&G	13.35	8.06			
94	8745+58.94	18.0	LT		A	4′	T20 F&G	5.04	-0.21			
95	8745+68.05	8.0	LT	A		4′	T1F CL	4.78			-2.58	-2.83
96	2216+50.82	79.7	RT	A		4′	T1F CL	5.11		-2.94	-2.94	
97	NOT USED											
98	8746+67.73	4.0	RT		A	4′	T20 F&G	2.61		-2.68		-2.68
99	8745+12.63	4.0	RT		A	4′	T20 F&G	5.86	0.61			
910	NOT USED	-	-	-	-	-	-	-	-	-	-	-
911	2217+52.90	53.0	RT		A	4′	T20 F&G	2.02		-3.23		-3.23
912	8747+54.30	4.0	RT		A	4′	T20 F&G	1.68	-3.57			
101	8748+26.21	18.0	LT		A	4′	T20 F&G	1.90	-3.88			-3.88
102	8748+28.67	4.0	RT		A	4′	T20 F&G	1.38	-3.87			
103	8748+48.67	4.0	RT		A	4′	T20 F&G	1.40			-3.85	
104	8748+38.67	4.0	RT		A	4′	T20 F&G	1.38	-3.87		-3.89	-3.89
105	8749+08.59	4.0	RT		A	4′	T20 F&G	1.58	-3.67			
106	8749+90.65	4.0	RT		A	4′	T20 F&G	2.00	-4.01		-4.01	
107	2221+13.32	95.6	RT	A		4′	T1F CL	2.61	-4.74		-4.17	
108	8751+86.25	4.0	RT		A	4′	T20 F&G	1.86	-3.39			-3.39
109	2222+69.55	92.9	RT	A		5′	T1F CL	2.53	-6.52		-5.50	-4.30
1010	8752+56.99	4.0	RT		A	4′	T20 F&G	1.50	-3.75			
1011	8753+46.67	2.5	RT		A	4′	T20 F&G	1.13		-3.82		-3.82
1012	NOT USED	-	-	-	-	-	-	-	-	-	-	-
1013	NOT USED	-	-	-	-	-	-	-	-	-	-	-
1014	2222+69.56	65.9	RT	PLUG								-3.31
1015	2224+29.79	71.2	RT	PLUG								-3.78

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
611	2032+28.34	2033+79.59	2	27	142	0.24	0.0
612	2033+79.59	2035+02.90	3	27	115	0.24	0.0
613	8768+06.15	876+85.50	2	12	14	0.44(3)	4.1
614	8769+12.88	8769+12.91	2	12	9	14.94	5.1
615	2032+69.79	8768+06.15	2	12	22	0.44	22.4
616	8766+48.14	2030+74.53	2	12	19	0.44	19.3
617	2031+99.40	2032+28.34	2	12	52	2.31	2.0
618	8766+24.19	8766+31.64	2	12	6	0.44	6.1
71	2034+83.50	2035+02.90	2	12	15	9.87	0.0
72	2035+02.90	2035+92.40	4	27	82	0.28	0.0
73	2035+02.88	2035+02.90	2	12	10	19.00	4.1
74	2035+92.40	2036+05.79	2	27	8	0.24	0.0
75	2036+35.46	2036+35.00	2	12	21	0.44(5)	4.1
76	2038+14.48	2036+19.20	4	18	185	0.40	0.0
77	2036+19.20	2036+05.79	2	18	8	0.40	0.0
78	2037+55.18	8772+80.14	2	12	22	0.44(5)	5.1
79	2038+44.71	2038+14.48	2	12	28	0.96	9.0
710	2035+02.80	2035+02.88	4	12	8	0.44	8.1
711	2037+55.00	2037+55.18	4	12	8	0.44	8.1
81	8739+87.68	8740+87.34	2	12	97	0.44	39.6
82	8740+82.16	8740+87.34	2	12	5	3.67	5.1
83	8741+71.82	8741+71.68	2	12	5	0.44	5.1
84	8740+87.34	8742+75.22	3	12	80	1.00	146.4
85	8741+83.85	8741+71.68	2	12	12	0.44	6.1
86	2212+23.40	8741+40.17	2	12	17	0.44(3)	17.3
87	2212+38.40	8741+39.44	2	12	17	0.79	17.3
88	8741+71.68	8742+75.22	3	12	100	1.00	124.9
91	8742+75.22	8745+68.05	2	15	289	2.00	257.8
92	8742+67.53	8742+75.22	2	12	9	0.44	9.2
93	8743+06.46	8743+13.55	2	12	12	0.44(3)	12.2
94	8745+58.94	8745+68.05	2	12	8	0.44	8.1
95	8745+68.05	2216+50.82	2	18	12	1.00	7.8
96	2216+50.82	8743+13.55	2	18	76	1.13	19.9
97	NOT USED	-	-	-	-	-	-
98	8746+67.73	2217+52.90	2	12	45	1.22	23.6
99	8745+12.63	8745+12.63	2	12	9	0.44(3)	9.2
910	NOT USED	-	-	-	-	-	-
911	NOT USED	-	-	-	-	-	-
912	8747+54.30	8748+26.21	2	12	71	0.44	11.3
101	8748+26.21	8748+36.20	2	12	10	1.05	10.2
102	8748+28.67	8748+38.67	2	12	6	0.44	6.1
103	8748+48.67	8748+38.67	2	12	6	0.44	6.1
104	8748+38.67	8748+34.26	2	12	38	0.44	38.6
105	8749+08.59	8749+90.65	2	12	78	0.44	13.3
106	8749+90.65	2221+13.32	2	12	36	0.44	36.6
107	2221+13.32	2222+69.55	2	18	152	0.50	69.3
108	8751+86.25	2222+69.55	2	12	3	30.30	3.1
109	2222+69.55	2224+29.76	2	24	156	0.40	143.0
1010	8752+56.99	8752+64.08	2	12	9	34.11	9.2
1011	8753+46.67	2224+29.76	2	12	5	0.44	5.1
1012	NOT USED	-	-	-	-	-	-
1013	NOT USED	-	-	-	-	-	-
1014	2222+69.56	8751+86.25	2	12	18	0.44	18.3
1015	2224+29.79	8753+46.67	2	12	8	0.44	8.1

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″

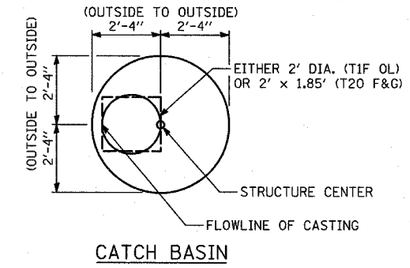
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

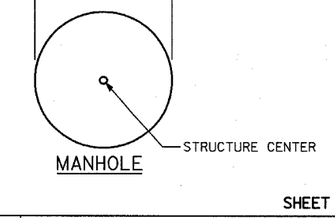
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 2 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 | DRAWN BY: NSB

DATE: MARCH 18, 2005 | CHECKED BY: DA

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