F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	860	256
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							
1016	NOT USED	-	-	-	-	-	-	-	-	-	-	-
1017	2224+29.76	89.8	RT	A		5′	T1F CL	2.20	-7.15		-7.14	-3.84
111	2225+97.73	86.8	RT	A		5′	T1F CL	0.32	-9.72		-7.74	-5.09
112	2225+86.24	75.2	RT		C	2′	T20 F&G	0.05		-4.65		
113	2227+43.60	64.1	RT		C	2′	T20 F&G	-1.40		-5.94		
114	NOT USED	-	-	-	-	-	-	-	-	-	-	-
115	2229+07.22	80.7	RT	A		5′	T1F CL	-1.77	-10.85		-10.85	-8.60
116	2229+06.85	62.9	RT		C	2′	T20 F&G	-2.76		-7.51		
117	2227+43.44	83.8	RT	A		5′	T1F CL	-0.29	-10.29		-10.27	-9.29
118	NOT USED	-	-	-	-	-	-	-	-	-	-	-
119	NOT USED	-	-	-	-	-	-	-	-	-	-	
121	2233+92.12	76.8	RT		C	2′	T1F OL	-6.19	-11.04	-11.04		
122	NOT USED	-	-	-	-	-	-	-	-	-	-	-
123	2235+71.80	2.2	LT	A		7′	T1F CL	-6.68	-18.34	-18.34	-18.34	
124	2235+56.49	85.0	RT	PLUG								-18.67
131	NOT USED	-	-	-	-	-	-	-	-	-	-	-
132	2239+87.87	75.3	RT	A		5′	T1F CL	-0.19		-17.75		-17.75
133	2240+40.79	70.0	RT		A	4′	T20 F&G	-0.14		-7.47		-7.47
134	2240+40.73	60.0	RT	PLUG								-7.44
135	2240+32.27	75.5	RT	A		5′	T1F CL	0.52	-8.33	-7.50 (N)	-9.76	
136	2238+55.75	62.3	RT		A	4′	T20 F&G	2.49	-2.76			
137	NOT USED	-	-	-	-	-	-	-	-	-	-	-
138	2239+64.08	75.3	RT		A	4′	T1F CL	-1.10	-9.74		-6.70	
141	2242+15.44	68.9	RT	PLUG								-4.20
142	2242+15.90	80.9	RT		A	4′	T20 F&G	1.66		-4.24		-4.24
143	8726+14.93	26.8	RT		A	4′	T20 F&G	1.72	-3.53			
144	8724+04.05	37.6	RT		A	4′	T20 F&G	1.78	-3.89			-3.89
145	8724+13.99	38.5	RT		A	4′	T20 F&G	1.81			-3.87	
146	8724+29.27	13.5	RT	A		5′	T1F CL	2.42	-7.01		-7.01	-3.58
147	2244+89.63	71.6	RT		A	4′	T1F OL	2.68		-2.84	-2.84	
148	8726+11.09	13.6	RT	A		5′	T1F CL	2.02	-4.81		-6.13	-4.81
149	NOT USED	-	-	-	-	-	-	-	-	-	-	-
1410	8727+56.85	8.0	LT	A		4′	T1F CL	3.02	-10.19	-2.56	-10.41	-2.56
1411	2244+25.01	69.2	RT		A	4′	T1F OL	2.93	-2.57			
1412	8727+05.52	8.0	LT	A		4′	T1F CL	2.60	-11.01			-11.01
1413	8726+39.45	18.0	LT		A	4′	T20 F&G	2.49		-3.16		
1414	NOT USED	-	-	-	-	-	-	-	-	-	-	-
1415	8726+24.91	26.2	RT		A	4′	T20 F&G	1.72	-3.55		-3.55	-3.55
1416	8726+34.89	25.6	RT		A	4′	T20 F&G	1.72			-3.53	
1417	2246+45.19	76.3	RT	A		4′	T1F CL	2.54	-11.40	-11.15		
1418	NOT USED	-	-	-	-	-	-	-	-	-	-	-
1419	NOT USED	-	-	-	-	-	-	-	-	-	-	-
1420	2243+68.12	64.0	RT	PLUG								-3.43
1421	8725+21.27	13.7	RT	A		4′	T1F CL	2.38	-6.56		-6.57	-3.20
151	8727+64.85	18.0	LT		A	4′	T20 F&G	3.14			-2.40	
152	8727+69.13	4.0	RT		A	4′	T20 F&G	2.83				-2.42
153	2249+29.83	77.0	RT	A		5′	T1F CL	-4.41	-15.22		-13.22	
154	2250+98.90	77.1	RT	A		5′	T1F CL	-8.03	-15.96	-12.53	-15.96	
155	2252+20.27	77.1	RT	A		5′	T1F CL	-9.48	-17.48	-16.31	-16.48	
156	8729+55.93	18.0	LT		A	4′	T20 F&G	6.45	1.20		1.20	
157	8729+56.03	4.0	RT		A	4′	T20 F&G	6.41				1.16
158	NOT USED											
159	8730+33.66	8.0	LT	A		4′	T1F CL	7.26	-6.77		-6.77	1.49
1510	8731+15.41	18.3	LT		A(1)	4′	T1F OL	7.08			1.83	

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
1016	NOT USED	-	-	-	-	-	-
1017	2224+29.76	2225+97.73	2	24	147	0.40	120.1
111	2225+97.73	2229+07.22	2	30	158	0.35	139.3
112	2225+86.24	2225+97.73	2	12	9	0.44	9.2
113	2227+43.60	2227+43.44	2	12	11	0.44	11.2
114	NOT USED	-	-	-	-	-	-
115	2229+07.22	2231+59.83	3	36	248	0.30	249.6
116	2229+06.85	2229+07.22	2	12	14	7.79	14.2
117	2227+43.44	2229+07.22	2	30	159	0.35	123.3
118	NOT USED	-	-	-	-	-	-
119	NOT USED	-	-	-	-	-	-
121	2233+92.12	2234+49.61	2	12	59	0.44	2.8
122	2235+61.76	2235+71.80	3	24	56	0.50	0.0
123	NOT USED	-	-	-	-	-	-
131	NOT USED	-	-	-	-	-	-
132	2239+87.87	2239+88.31	4	36	4	0.30	4.1
133	2240+40.79	2240+32.27	2	15	6	0.44	6.1
134	2240+40.73	2240+40.79	2	15	8	0.44	8.1
135	2240+32.27	2239+80.04	3	24	46	0.30	15.9
136	2238+55.75	2239+64.08	2	15	106	3.70	46.1
137	2239+80.04	2239+87.87	4	36	3	0.30	0.0
138	2239+64.08	2239+80.04	3	15	11	1.50	0.0
141	2242+15.44	2242+15.90	2	12	8	0.44	8.1
142	2242+15.90	2242+16.09	2	12	8	0.44(3)	4.1
143	8726+14.93	8726+24.91	2	12	6	0.44	6.1
144	8724+04.05	8724+13.99	2	12	6	0.44	6.1
145	8724+13.99	8724+29.27	2	12	24	0.44	24.4
146	8724+29.27	2240+32.27	2	18	331	0.40	293.8
147	2244+89.63	8725+21.27	2	12	42	0.87	42.5
148	8726+11.09	8725+21.27	2	18	86	0.50	99.5
149	NOT USED	-	-	-	-	-	-
1410	8727+56.85	8727+05.52	3	15	48	1.25	48.8
1411	2244+25.01	2244+89.63	2	12	61	0.44	31.7
1412	8727+05.52	2246+45.19	3	15	15	1.00	24.5
1413	8726+39.45	8726+11.09	2	12	37	5.56	37.7
1414	NOT USED	-	-	-	-	-	-
1415	8726+24.91	8726+11.09	2	12	13	2.00	13.3
1416	8726+34.89	8726+24.91	2	12	6	0.44	6.1
1417	2246+45.19	2249+29.83	3	18	281	0.65	362.5
1418	NOT USED	-	-	-	-	-	-
1419	NOT USED	-	-	-	-	-	-
1420	2243+68.12	8724+29.27	2	12	33	0.44	33.6
1421	8725+21.27	8724+29.27	2	18	88	0.50	112.0
151	8727+64.85	8727+56.85	2	12	8	2.00	8.1
152	8727+69.13	8727+56.85	2	12	12	1.19	12.2
153	2249+29.83	8731+61.72	2	24	165	0.45	157.0
154	2250+98.90	2252+20.27	2	24	117	0.44	14.1
155	2252+20.27	2254+21.96	2	30	197	0.30	117.4
156	8729+55.93	8729+56.14	2	12	4	17.25	4.1
157	8729+56.03	8729+56.14	2	12	6	10.83	6.1
158	NOT USED	-	-	-	-	-	-
159	8730+33.66	8729+56.14	3	12	74	1.25	116.1
1510	8731+15.41	8731+05.41	2	12	6	0.50	6.1
1511	8731+05.41	8731+05.48	2	12	3	1.11	3.1

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″

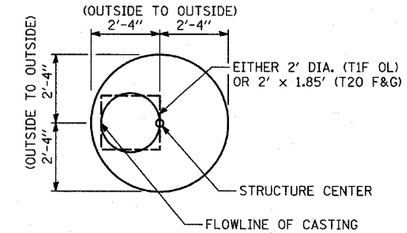
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

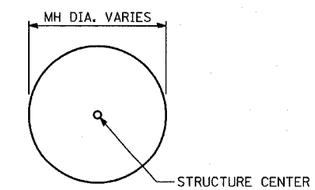
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 3 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

TY·LIN INTERNATIONAL