F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	860	257
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							
1511	8731+05.41	18.2 LT		A(1)	4'	T1F OL	7.07	1.80	1.80		
1512	8730+64.01	18.0 LT		A(1)	4'	T1F OL	6.99			1.63	
1513	8730+32.95	18.0 LT		A(1)	4'	T1F OL	6.94	1.51	1.51		
1514	NOT USED	- -	-	-	-	-	-	-	-	-	-
1515	8729+98.85	18.0 LT		A	4'	T20 F&G	6.91			1.66	
1516	8730+05.08	10.3 RT		A	4'	T1F OL	7.91				2.66
1517	8729+56.14	8.0 LT		A	4'	T1F OL	6.57	-7.70	0.51	-7.74	0.51
1518	8731+05.48	9.8 LT		A	4'	T1F OL	7.35			-5.92	1.77
161	NOT USED	- -	-	-	-	-	-	-	-	-	-
162	2254+21.96	79.0 RT	A		5'	T1F CL	-10.55	-18.07		-18.07	
163	2255+92.16	79.0 RT	A		5'	T1F CL	-11.06	-18.57		-18.57	
164	2257+84.02	85.1 RT	A		5'	T1F CL	-2.34	-18.93	-9.17	-18.93	
165	2257+62.34	90.1 RT		C	2'	T1F OL	-1.10	-5.95			
166	2256+73.35	81.6 RT	A		5'	T1F CL	-8.49	-18.73		-18.72	
171	8699+63.62	16.0 LT		A(1)	4'	T1F OL	7.88	2.63			
172	8700+61.63	18.0 LT		A(1)	4'	T1F OL	8.07	2.82			
173	8700+70.84	8.0 LT	A		4'	T1F CL	8.30	0.67	2.71	2.18	
174	8701+21.55	18.0 LT		A(1)	4'	T1F OL	7.90	2.65			
175	8701+59.21	18.0 LT		A	4'	T20 F&G	7.77	2.52			
176	NOT USED	- -	-	-	-	-	-	-	-	-	-
181	8702+16.24	4.0 RT		A	4'	T20 F&G	7.34				2.09
182	8702+19.11	18.0 LT		A	4'	T20 F&G	7.37	2.12			
183	8704+02.36	18.0 LT		A	4'	T20 F&G	2.95	-2.30			
184	8704+48.37	4.0 RT		A	4'	T20 F&G	1.98				-3.27
185	8704+09.12	8.0 LT	DROP(6)		6'	T1F CL	2.80	-11.30	-2.33 (W)	-1.27	-13.30
186	2267+10.74	77.9 RT	A		5'	T1F CL	0.45		-13.36	-15.36	
187	8707+24.68	8.0 LT	A		4'	T1F CL	2.71		-9.74	-9.74	
188	8705+28.39	4.0 RT		A	4'	T20 F&G	1.51	-3.74			
189	8705+38.33	4.0 RT		A	4'	T20 F&G	1.50	-3.77		-3.77	-3.77
1810	8705+38.33	18.0 LT		A	4'	T20 F&G	1.86		-3.39		
1811	8706+00.01	4.0 RT		A	4'	T20 F&G	1.70				-3.55
1812	8706+56.48	21.8 LT		A	4'	T1F OL	2.25		-3.00		
1813	2270+20.92	99.2 RT	A		4'	T1F CL	1.99	-7.68		-4.84	-9.68
1814	8706+66.31	4.0 RT		A	4'	T20 F&G	2.03				-3.22
1815	2270+68.14	91.6 RT		A	4'	T20 F&G	2.55		-2.96		-2.96
1816	8705+48.33	4.0 RT		A	4'	T20 F&G	1.51			-3.74	
1817	2270+66.00	66.0 RT	PLUG								-2.86
1818	8705+64.55	26.3 LT	PLUG								-4.59
1819	2268+67.95	55.0 RT		C	2'	T20 F&G	1.84				-3.01
1820	8705+38.33	8.0 LT	A		4'	T1F CL	1.82	-10.65	-3.80	-10.68	-3.41
1821	2270+12.34	97.8 RT		C	2'	T1F OL	3.30	-2.86			
1822	8702+26.69	8.0 LT	A		4'	T1F CL	7.33	-0.49	1.75	0.00	1.75
191	8708+70.96	4.0 RT		A	4'	T20 F&G	3.04		-2.21		
192	2276+25.47	72.4 RT		C	2'	T20 F&G	1.54				-3.10
193	2271+67.02	93.9 RT	A		4'	T1F CL	2.81			-6.83	-2.23
194	2274+47.00	79.2 RT		C	2'	T20 F&G	2.76				-1.74
201	227+89.80	65.6 RT		C	2'	T20 F&G	-0.27	-5.03			
212	8803+44.42	18.0 LT		A(1)	4'	T1F OL	7.77	2.52			
213	8803+67.21	5.1 RT		A(1)	4'	T1F OL	8.40				3.15
214	8803+73.22	8.5 LT	A		5'	T1F CL	7.70	-4.14	0.86	-3.64	0.86(S)
216	2316+84.19	73.5 RT		A	4'	T20 F&G	-4.22		-10.71		-10.71
217	8804+20.00	18.0 LT		A	4'	T20 F&G	6.29				0.87
218	8804+20.00	2.8 RT		A	4'	T20 F&G	6.26				0.89
219	2316+36.29	74.7 RT		C	2'	T1F OL	-5.00			-9.85	

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
1512	8730+64.01	8730+32.95	2	12	27	0.44	27.5
1513	8730+32.95	8730+33.66	2	12	4	0.44	4.1
1514	NOT USED	-	-	-	-	-	-
1515	8729+98.85	8729+55.93	2	12	39	0.44	39.7
1516	8730+05.08	8730+03.95	2	12	21	0.44(3)	21.4
1517	8729+56.14	8727+56.85	3	12	196	1.25	318.9
1518	8731+05.48	8730+33.66	3	12	68	1.25	109.0
161	NOT USED	-	-	-	-	-	-
162	2254+21.96	2255+92.16	2	30	166	0.30	34.6
163	2255+92.16	2256+73.35	2	36	77	0.19	14.4
164	2257+84.02	2258+16.24	3	36	25	0.20	0.0
165	2257+62.34	2257+84.02	2	12	19	16.90	0.0
166	2256+73.35	2257+84.02	3	36	106	0.16	0.0
171	8699+63.62	8700+70.84	2	12	103	0.44	42.0
172	8700+61.63	8700+69.53	2	12	8	1.38	8.1
173	8700+70.84	8702+26.69	4	12	152	0.44	55.5
174	8701+21.55	8701+27.64	2	12	9	0.44(3)	9.2
175	8701+59.21	8701+65.93	2	12	10	0.44(3)	10.2
176	NOT USED	-	-	-	-	-	-
181	8702+16.24	8702+16.24	2	12	11	3.12	11.2
182	8702+19.11	8702+26.69	2	12	7	5.33	7.1
183	8704+02.36	8704+09.12	2	12	6	0.44	6.1
184	8704+48.37	8704+48.38	2	12	13	0.44(5)	13.2
185	8704+09.12	2267+10.74	3	24	17	0.37	23.7
186	2267+10.74	2264+77.61	3	24	222	0.40	343.8
187	8707+24.68	8704+09.12	3	18	183	0.50	271.8
188	8705+28.39	8705+38.33	2	12	6	0.44	6.1
189	8705+38.33	8705+38.33	2	12	6	0.44	6.1
1810	8705+38.33	8705+38.33	2	12	4	0.44	4.1
1811	8706+00.01	8706+00.01	2	12	12	0.44(5)	12.2
1812	8706+56.48	8706+56.22	2	12	15	0.44(3)	15.3
1813	2270+20.92	8707+24.68	3	18	14	0.50	14.2
1814	8706+66.31	8706+66.31	2	12	12	0.44(5)	12.2
1815	2270+68.14	8707+72.38	2	12	6	0.44	4.1
1816	8705+48.33	8705+38.33	2	12	6	0.44	6.1
1817	2270+66.00	2270+68.14	2	12	22	0.44	22.4
1818	8705+64.55	8706+66.31	2	12	19	0.44	12.8
1819	NOT USED	-	-	-	-	-	-
1820	8705+38.33	8704+09.12	3	18	125	0.50	205.0
1821	2270+12.34	2270+20.92	2	12	6	33.00	6.1
1822	8702+26.69	8704+09.12	2	12	178	0.44	304.7
191	8708+70.96	2271+67.02	2	12	4	0.44	4.1
192	2276+25.47	2276+25.47	2	12	7	0.44	7.1
193	2271+67.02	2270+20.92	2	15	143	0.60	136.1
194	2274+47.00	2274+47.00	2	12	7	0.44	7.1
201	227+89.80	2278+09.35	2	12	8	0.44	8.1
212	8803+44.42	8803+73.22	2	12	26	6.38	26.4
213	8803+67.21	8803+73.22	2	12	13	17.62	13.2
214	8803+73.22	8804+20.00	3	18	43	1.50	49.1
216	2316+84.19	2316+84.14	2	12	4	0.44	4.1
217	8804+20.00	8804+20.00	2	12	4	2.00	4.1
218	8804+20.00	8804+20.00	2	12	5	2.00	5.1
219	2316+36.29	2316+31.58	2	12	15	0.44	0.0
2110	8801+19.47	8801+56.14	2	12	33	0.67	33.6

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"

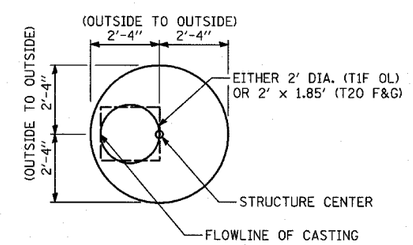
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

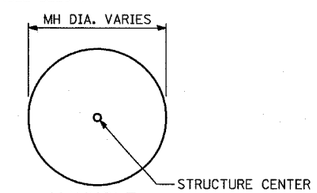
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 4 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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