F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	260
STA. 1200+00.00	TO STA. 1365+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (1516.1, 1717 & 1818) R-9

62695

DRAINAGE STRUCTURE SCHEDULE (CONT.)

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE		DIA.	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
			MH	CB							
91	NOT USED										
92	7415+04.00	9.6 LT	A		4′	T1F CL	16.17	10.19	10.59		
93	7415+08.83	18.6 LT		A(1)	4′	T1F OL	15.91				10.66
94	7414+67.82	18.6 LT		A(1)	4′	T1F OL	15.84				10.59
95	NOT USED										
96	1210+47.50	73.4 LT		C	2′	T1F OL	0.15		-2.47		
97	1210+37.33	80.6 LT	A		5′	T1F CL	1.55	-7.89	-9.89		
98	1212+07.56	80.6 LT	A		5′	T1F CL	-1.56	-7.64		-7.64	
99	1210+37.00	67.8 LT	A(2)		6′	T1F CL	0.56		-9.90		-9.90
910	1210+34.78	2.3 RT	A		7′	T1F CL	-1.33				-10.00
101	7414+27.81	18.6 LT		A(1)	4′	T1F OL	15.87			10.39	10.39
102	7413+88.11	19.0 LT		A(1)	4′	T1F OL	15.79				10.21
103	7413+13.06	18.0 LT		A(1)	4′	T1F OL	15.60				10.35
104	7413+13.06	7.1 LT	A		5′	T1F CL	15.90	7.37	10.32	9.37	
105	7412+61.98	18.0 LT		A(1)	4′	T1F OL	15.36				9.36
106	1215+39.25	139.0 LT		A(1)	4′	T1F OL	16.17		10.65		
107	1215+54.25	139.0 LT		A(1)	4′	T1F OL	16.20		10.95		
108	7411+72.14	18.0 LT		A	4′	T20 F&G	15.26				10.01
109	7411+76.16	4.0 RT		A	4′	T20 F&G	15.24		9.99		
1010	7410+95.16	4.0 RT		A	4′	T20 F&G	13.84	8.59			
1011	7410+75.16	4.0 RT		A	4′	T20 F&G	13.19	7.21	7.21	7.94	
1012	7410+55.16	4.0 RT		A	4′	T20 F&G	12.53			7.28	
1013	7410+32.08	8.0 LT	A		5′	T1F CL	12.08	2.10	5.25	4.10	
1014	7408+78.99	4.0 RT		A	4′	T20 F&G	6.87		1.62		
1015	7408+78.99	18.0 LT		A	4′	T20 F&G	7.23				1.23
1016	7410+37.03	18.0 LT		A	4′	T20 F&G	12.29				6.29
1017	1217+22.86	80.3 LT	A		5′	T1F CL	1.65	-6.72		-6.72	
1018	1213+83.86	80.3 LT	A		5′	T1F CL	-0.75	-7.38		-7.38	
1019	NOT USED										
1020	NOT USED										
1021	7414+19.99	10.3 LT	A		5′	T1F CL	16.01	9.83		9.83	9.18(S)
1022	7411+76.16	7.6 LT	A		5′	T1F CL	15.40	5.75	8.57	5.81	8.57
1023	7408+73.01	8.0 LT	A		5′	T1F CL	7.03	-0.63	0.20	-0.56	0.20
111	NOT USED										
112	7407+02.36	8.0 LT	A		5′	T1F CL	3.58		-5.30	-3.49	
113	7407+10.36	4.0 RT		A	4′	T20 F&G	3.36	-1.89			
114	1220+46.79	112.3 LT		C	2′	T1F OL	4.30	-1.01			
115	1220+57.86	114.6 LT	A		5′	T1F CL	4.75	-5.67	-2.08	-2.08	
116	7405+91.56	18.0 LT		A	4′	T20 F&G	2.63	-3.00	-3.00		
117	7405+82.85	4.0 RT		A	4′	T20 F&G	2.23		-3.77		-3.77
118	7405+07.86	4.0 RT		A	4′	T20 F&G	1.91		-3.34		-3.34
119	1222+92.59	102.3 LT	A		5′	T1F CL	1.00	-7.57	-4.30	-6.57	
1110	1221+74.07	72.0 LT		A	4′	T1F OL	2.42			-3.03	-3.03
1111	7403+47.79	4.0 RT		A	4′	T20 F&G	1.51		-4.49		-4.49
1112	1222+50.01	69.1 LT		A	4′	T1F OL	2.32				-2.93
1113	1220+56.70	77.7 LT	A		5′	T1F CL	4.17			-5.37	-5.37
1114	1221+68.40	105.2 LT		C	2′	T1F OL	1.94	-3.89			
1115	NOT USED	- -	-	-	-	-	-	-	-	-	-
1116	NOT USED										
1117	NOT USED	- -	-	-	-	-	-	-	-	-	-
1118	1219+01.53	78.4 LT	A		5′	T1F CL	3.59	-6.03		-6.03	
1119	NOT USED										
1120	1221+77.93	108.3 RT	A		5′	T1F CL	2.82	-6.13	-4.01	-6.13	-4.01(S)
1121	1224+11.23	94.6 LT	A		5′	T1F CL	1.05	-7.99		-7.98	

STORM SEWER SCHEDULE (CONT.)

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
92	7415+04.00	7414+19.99	2	12	80.0	0.45	50.6
93	7415+08.83	7415+04.00	2	12	5.0	1.46	5.1
94	7414+67.82	7414+27.81	2	12	36.0	0.55	36.6
95	NOT USED	-	-	-	-	-	-
96	1210+47.50	1210+37.33	2	12	9.0	8.70	0.0
97	1212+07.56	1210+37.33	2	36	166.0	0.50	0.0
98	NOT USED	-	-	-	-	-	-
99	1210+37.33	1210+37.00	2	36	8.0	0.15	0.0
910	1210+37.00	1210+34.78	2	36	64.0	0.16	0.0
101	7414+27.81	7414+19.99	2	12	7.0	20.17	7.1
102	7413+88.11	7413+88.11	2	12	5.0	10.20	5.1
103	7413+13.06	7413+13.06	2	12	5.0	0.60	5.1
104	7413+13.06	7411+76.16	2	24	132.0	1.18	117.0
105	7412+61.98	7412+53.46	2	12	11.0	0.44(3)	11.2
106	1215+39.25	1215+39.25	2	12	19.0	0.44(5)	19.3
107	1215+54.25	1215+39.25	2	12	15.0	0.44	15.3
108	7411+72.14	7411+76.16	2	12	5.0	28.80	5.1
109	7411+76.16	7411+76.16	2	12	6.0	23.66	6.1
1010	7410+95.16	7410+75.16	2	12	16.0	4.06	16.3
1011	7410+75.16	7410+75.16	2	12	9.0	0.44(4)	9.2
1012	7410+55.16	7410+75.16	2	12	16.0	0.44	16.3
1013	7410+32.08	7408+73.01	2	24	155.0	1.72	128.0
1014	7408+78.99	7408+73.01	2	12	8.0	5.25	8.1
1015	7408+78.99	7408+73.01	2	12	6.0	17.17	6.1
1016	7410+37.03	7410+32.08	2	12	5.0	20.80	5.1
1017	1217+22.86	1213+83.86	2	36	334.0	0.20	0.0
1018	1213+83.86	1212+07.56	2	36	172.0	0.15	99.2
1019	1219+01.53	1217+22.86	2	27	175.0	0.40	37.8
1020	NOT USED	-	-	-	-	-	-
1021	7414+19.99	7413+13.06	2	12	102.0	0.45	25.1
1022	7411+76.16	7410+32.08	2	24	140.0	1.18	118.4
1023	7408+73.01	7407+02.36	2	24	166.0	1.72	61.1
111	NOT USED	-	-	-	-	-	-
112	NOT USED	-	-	-	-	-	-
113	7407+10.36	1220+57.86	2	12	11.0	1.73	6.9
114	1220+46.79	1220+57.86	2	12	8.0	13.38	0.0
115	1220+57.86	1221+77.93	2	27	116.0	0.40	0.0
116	7405+91.56	1221+74.07	2	12	6.0	0.44	6.1
117	7405+82.85	1221+77.93	2	12	9.0	2.66	6.9
118	7405+07.86	7405+07.71	2	12	12.0	0.44(4)	2.6
119	1222+92.59	1224+11.23	2	27	114.0	0.36	0.0
1110	1221+74.07	7405+82.85	2	12	20.0	3.70	20.3
1111	7403+47.79	1224+11.23	2	18	9.0	14.33	2.6
1112	1222+50.01	7405+07.86	2	12	18.0	2.41	18.3
1113	7407+02.36	1220+56.70	2	27	11.0	0.64	10.3
1114	1221+68.40	1221+77.93	2	12	7.0	2.00	0.0
1115	NOT USED	-	-	-	-	-	-
1116	7404+80.10	1222+92.59	2	12	39.0	0.44	32.6
1117	7403+72.53	7403+47.79	2	18	26.0	2.50	26.4
1118	1220+56.70	1219+01.53	2	27	151.0	0.44	132.5
1119	NOT USED	-	-	-	-	-	-
1120	1221+77.93	1222+92.59	2	27	111.0	0.40	0.0
1121	1224+11.23	1225+71.76	2	27	156.0	0.36	0.0
1122	7405+98.31	7405+91.56	2	12	10.0	0.44	10.2

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″

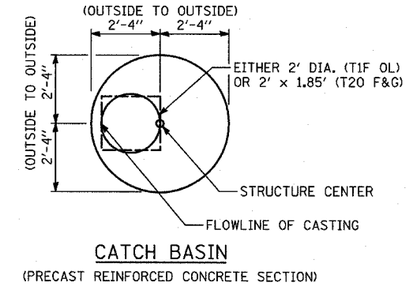
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

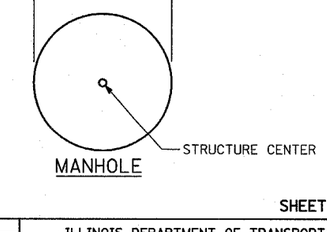
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 2 OF 10

REVISIONS	
NAME	DATE
REVISED	05/06/05
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

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

DRAINAGE SCHEDULE
PROPOSED STRUCTURES
PROPOSED STORM SEWERS

SCALE: NONE | DRAWN BY: NB

DATE: MARCH 25, 2005 | CHECKED BY: DA

TYLIN INTERNATIONAL

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