F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	262
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							
1614	1253+57.39	134.4 LT		A(1)	4'	T1F OL	6.49		1.24	1.24	
1615	7199+87.51	7.6 LT	A		4'	T1F CL	5.96	-2.20	0.38(N)	-3.74	
1616	7202+15.88	8.2 LT	A		4'	T1F CL	5.13	-5.95	-0.45	-5.95	-0.45
171	1266+49.44	77.1 LT	A		5'	T1F CL	-0.37	-15.11		-15.11	
172	1268+33.87	77.1 LT	A		5'	T1F CL	2.04	-12.57		-14.57	
173	7188+35.50	4.0 RT		A	4'	T20 F&G	7.92		2.67		
174	7188+35.50	18.0 LT		A	4'	T20 F&G	7.96		2.60		2.60
181	7184+40.45	26.0 RT		A	4'	T20 F&G	2.32	-2.93			
182	1269+55.73	76.9 LT	A		4'	T1F CL	3.64	-12.08		-12.10	-1.94
183	7186+10.28	18.0 LT		A	4'	T20 F&G	4.19		-1.48		-1.48
184	7184+47.97	18.0 LT		A	4'	T20 F&G	3.15		-2.10		
185	NOT USED										
186	1271+11.70	76.6 LT	A		4'	T1F CL	2.96	-2.62		-11.48	-2.62
187	7184+30.49	26.9 RT		A	4'	T20 F&G	2.31	-2.96	-2.96	-2.96	
188	7184+20.52	27.7 RT		A	4'	T20 F&G	2.32			-2.93	
189	NOT USED								-		
1810	1271+50.27	109.4 LT	A		4'	T1F CL	2.66	-11.96			-3.02
1811	NOT USED										
1812	NOT USED										
1813	NOT USED										
1814	1274+96.33	80.8 LT	A		4'	T1F CL	4.36	-15.17	-3.26	-13.67	
1815	1274+96.28	73.2 LT		A	4'	T20 F&G	2.86		-3.23		-3.23
1816	7182+35.74	41.8 RT		A	4'	T20 F&G	2.39			-2.86	
1817	7182+46.15	42.5 LT		A	4'	T20 F&G	2.37	-2.89	-2.89		
1818	1273+28.51	94.5 LT	A		4'	T1F CL	3.00	-12.85		-12.83	-2.99
1819	NOT USED	- -	-	-	-	-	-	-	-	-	-
1820	NOT USED										
1821	1274+96.27	60.8 LT	PLUG								-3.19
1822	NOT USED										
1823	7186+10.28	4.0 RT		A	4'	T20 F&G	3.83		-1.42		
1824	NOT USED										
1825	1271+92.45	70.7 LT		A	4'	T1F OL	3.42			-1.83	
191	1277+95.79	77.0 LT	A		5'	T1F CL	2.07	-17.64		-16.64	
192	1276+04.66	69.2 LT		C	2'	T20 F&G	2.01				-3.24
194	1276+54.86	78.6 LT	A		4'	T1F CL	3.59	-15.96		-15.96	
201	7519+46.70	11.5 LT	A		4'	T1F CL	8.42	-4.28		2.84	
202	7517+66.06	8.0 LT	A		6'	T1F CL	6.50	-8.93	-0.33(N)	-6.93	-0.33
202								INVERT OF PIPE 2019		-0.33	
203	1316+86.54	85.1 LT	A		5'	T1F CL	-3.49	-17.13	-10.32(N)	-17.13	
204	7519+52.20	17.7 LT		A	4'	T20 F&G	8.28	3.03		3.03	
205	7517+77.71	8.0 RT		A(1)	4'	T20 F&G	7.96	2.71			
206	7517+62.71	8.0 RT		A(1)	4'	T20 F&G	7.63	2.38	2.38	2.38	
207	7517+47.71	8.0 RT		A(1)	4'	T20 F&G	7.96			2.71	
208	7518+26.15	18.1 LT		A	4'	T20 F&G	7.74				2.49
209	7517+24.00	4.0 RT		A	4'	T20 F&G	5.13	-0.12			
2010	7517+21.96	16.0 LT		A	4'	T20 F&G	5.12				-0.13
2011	1317+07.79	74.6 LT		A	4'	T20 F&G	-5.07		-10.32	-10.32	
2012	1317+07.78	64.6 LT	PLUG						-10.28		
2013	NOT USED										
2014	7520+44.20	17.7 LT		A	4'	T20 F&G	8.64	3.39			
2015	7519+98.20	17.7 LT		A	4'	T20 F&G	8.46	3.21		3.21	
2016	7519+08.04	18.0 LT		A	4'	T20 F&G	8.06	2.81			
2017	7518+63.32	18.0 LT		A	4'	T20 F&G	7.87			2.62	2.62
2018	7517+74.47	18.0 LT		A	4'	T20 F&G	6.55				0.55

STORM SEWER SCHEDULE (CONT.)

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
171	1266+49.44	1264+64.18	3	24	191.0	0.30	522.6
172	1268+33.87	1266+49.44	3	24	180.0	0.30	0.0
173	7188+35.50	7188+35.50	2	12	14.0	0.50	14.2
174	7188+35.50	1267+34.57	2	12	41.0	40.39	2.7
181	7184+40.45	7184+30.49	2	12	6.0	0.44	6.1
182	1269+55.73	1268+33.87	3	18	118.0	0.40	0.0
183	7186+10.28	1269+55.73	2	12	17.0	2.71	2.6
184	7184+47.97	1271+11.70	2	12	6.0	8.66	6.1
185	NOT USED	-	-	-	-	-	-
186	1271+11.70	1269+55.73	3	18	151.0	0.40	0.0
187	7184+30.49	1271+50.27	2	12	13.0	0.44	13.2
188	7184+20.52	7184+30.49	2	12	6.0	0.44	6.1
189	NOT USED	-	-	-	-	-	-
1810	1271+50.27	1273+28.51	3	18	175.0	0.50	393.6
1811	NOT USED	-	-	-	-	-	-
1812	NOT USED	-	-	-	-	-	-
1813	NOT USED	-	-	-	-	-	-
1814	1274+96.33	1276+54.86	4	18	155.0	0.50	0.0
1815	1274+96.28	1274+96.33	2	12	6.0	0.44	3.0
1816	7182+35.74	7182+46.15	2	12	7.0	0.44	7.1
1817	7182+46.15	1273+28.51	2	12	24.0	0.44	24.4
1818	1273+28.51	1274+96.33	4	18	165.0	0.50	219.6
1819	NOT USED	-	-	-	-	-	-
1820	NOT USED	-	-	-	-	-	-
1821	1274+96.27	1274+96.28	2	12	8.0	0.44	8.1
1822	NOT USED	-	-	-	-	-	-
1823	7186+10.28	7186+10.28	2	12	14.0	0.44	14.2
1824	NOT USED	-	-	-	-	-	-
1825	1271+92.45	1271+11.70	2	12	77.0	1.03	61.2
191	1277+95.79	1280+89.06	4	24	277.0	0.30	665.2
192	1276+04.66	1276+04.71	2	12	21.0	0.44	21.4
194	1276+54.86	1277+95.79	4	18	137.0	0.50	0.0
201	7519+46.70	7518+17.64	3	12	125.0	1.50	191.4
202	7517+66.06	7517+12.95	3	18	49.0	1.50	95.9
203	1316+86.54	1316+12.93	3	30	79.0	0.24	0.0
204	7519+52.20	7519+46.70	2	12	3.0	6.26	3.1
205	7517+77.71	7517+62.71	2	12	11.0	3.00	11.2
206	7517+62.71	7517+66.06	2	12	14.0	19.38	14.2
207	7517+47.71	7517+62.71	2	12	11.0	3.00	11.2
208	7518+26.15	7518+17.64	2	12	8.0	3.00	8.1
209	7517+24.00	7517+12.95	2	12	11.0	4.00	11.2
2010	7517+21.96	7517+12.95	2	12	8.0	5.38	8.1
2011	1317+07.79	1316+86.54	2	12	20.0	0.44	20.3
2012	1317+07.78	1317+07.79	2	12	8.0	0.44	8.1
2013	NOT USED	-	-	-	-	-	-
2014	7520+44.20	7519+98.20	2	12	42.0	0.44	42.7
2015	7519+98.20	7519+52.20	2	12	42.0	0.44	42.7
2016	7519+08.04	7518+63.32	2	12	42.0	0.45	42.7
2017	7518+63.32	7518+57.86	2	12	13.0	0.44(5)	13.2
2018	7517+74.47	7517+66.06	2	12	7.0	12.57	7.1
2019	7517+74.47	7517+66.06	2	12	9.0	12.33	9.2
2020	7518+17.64	7517+66.06	3	12	47.0	1.50	75.0
2021	7517+12.95	7515+27.93	3	18	182.0	1.50	303.4
221	1322+36.69	9462+67.17	3	27	176.0	0.35	390.5

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"

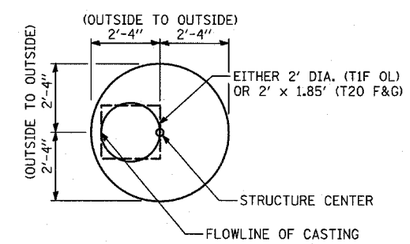
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

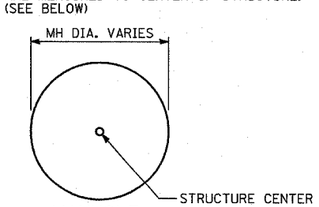
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 4 OF 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