F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	263
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							
2019	7517+74.47	4.0 RT		A	4′	T20 F&G	6.78		0.78		
2020	7518+17.64	7.5 LT	A		4′	T1F CL	7.86	-6.23	2.25	-6.16	
2021	7517+12.95	8.0 LT	A		4′	T1F CL	4.95	-9.73	-0.56(N)	-9.67	-0.56(S)
221	1322+36.69	76.6 LT	A		5′	T1F CL	-0.56	-12.46		-14.46	-7.39
222	9462+67.17	10.0 RT	A		5′	T1F CL	-1.66	-15.08	-8.49	-15.08	-8.49
223	1318+82.71	91.3 LT	A		5′	T1F CL	-1.38	-15.67	-8.21(S)	-16.67	-14.67
224	7515+27.93	8.0 LT	A		4′	T1F CL	-0.22		-14.46	-12.46	-5.91
225	7515+28.04	4.0 RT		A	4′	T20 F&G	-0.63		-5.88		
226	7515+91.86	18.0 LT		A	4′	T20 F&G	1.25				-4.00
227	7513+79.75	4.0 RT		A	4′	T20 F&G	-2.20	-7.45			
228	7513+69.75	4.0 RT		A	4′	T20 F&G	-2.05	-7.48	-7.48	-7.48	
229	7513+59.75	4.0 RT		A	4′	T20 F&G	-2.20			-7.45	
2210	7512+27.09	4.0 RT		A	4′	T20 F&G	-1.60		-6.85		
2211	9460+77.65	2.0 LT		A	4′	T20 F&G	-1.25		-7.21		-7.21
2212	1320+55.69	63.0 LT		A	4′	T20 F&G	-0.77				-6.01
2213	7513+89.06	18.0 LT		A	4′	T20 F&G	-1.29	-7.17	-7.17		
2214	9462+99.99	2.0 LT		A	4′	T20 F&G	-1.75				-7.00
2215	1318+70.56	73.6 LT	PLUG						-3.54		
2216	1318+70.66	85.6 LT		A	4′	T20 F&G	-3.58		-8.83		-8.83
2217	NOT USED										
2218	7514+49.02	4.0 RT		A	4′	T20 F&G	-1.81		-7.06		
2219	7513+69.99	20.4 LT		A	4′	T20 F&G	-1.85				-7.10
2220	7512+97.99	4.0 RT		A	4′	T20 F&G	-1.95		-7.20		
2221	7511+68.99	4.0 RT		A	4′	T20 F&G	-1.30	-7.09	-7.09	-7.09	
2222	7511+10.82	4.0 RT		A	4′	T20 F&G	-1.01			-6.85	
2223	9463+08.17	13.9 RT	A		5′	T1F CL	-1.95	-15.21	-8.78	-15.22	-8.78
241	7505+61.18	7.6 LT	A		4′	T1F CL	2.25	-8.07	-3.33	-8.07	-4.35
242	1324+31.38	63.0 LT		A	4′	T20 F&G	-0.56				-5.81
243	1324+35.40	77.2 LT	A		5′	T1F CL	-0.40	-6.10	-5.98	-11.68	-5.98
244	7509+53.76	26.0 LT		A	4′	T20 F&G	0.29			-5.58	-5.58
245	7509+53.76	4.0 RT		A	4′	T20 F&G	-0.23	-5.48	-5.48		
246	1325+02.59	76.8 LT		C	2′	T1F OL	-0.97				-5.82
247	1326+19.05	63.0 LT		A	4′	T20 F&G	-1.96				-7.24
248	1326+35.39	81.4 LT	A		4′	T1F CL	-1.67	-15.09		-7.34	-7.34
249	9457+52.51	2.0 LT		A	4′	T20 F&G	0.07		-5.18		-5.18
2410	7507+79.65	4.0 RT		A	4′	T20 F&G	0.64		-5.12		
2411	1327+48.33	76.6 LT		C	2′	T1F OL	-3.24		-8.09		
2412	1327+60.84	81.5 LT	DROP		7′	T1F CL	-2.64	-16.31	-9.47(S)	-15.81	-10.28
2412	NOT USED								INVERT OF PIPE 2418		-9.47
2413	7506+69.65	4.0 RT		A	4′	T20 F&G	1.19	-4.06			
2414	7506+48.09	8.0 LT	A		4′	T1F CL	1.30	-9.31	-9.56	-4.28	
2415	1328+11.32	63.0 LT		A	4′	T20 F&G	-4.10				-9.35
2416	7510+32.50	4.0 RT		A	4′	T20 F&G	-0.62		-5.87		
2417	7508+67.00	4.0 RT		A	4′	T20 F&G	0.21			-5.04	
2418	9456+32.00	2.0 LT		A	4′	T20 F&G	0.45	-4.82			
261	7505+54.25	4.0 RT		A	4′	T20 F&G	2.35		-2.90		
262	7505+54.25	18.0 LT		A	4′	T20 F&G	2.07		-4.32		-4.32
263	9455+28.12	20.0 RT		A	4′	T20 F&G	0.95				-4.30
264	NOT USED										
265	7504+65.60	4.0 RT		A	4′	T20 F&G	-4.37		-0.88		
266	1330+05.21	63.0 LT		A	4′	T20 F&G	-6.49				-11.74
267	9453+76.20	2.0 LT		A	4′	T20 F&G	-2.57		-7.82		-7.82
268	9453+75.76	20.0 RT		A	4′	T20 F&G	-2.10		-7.35		
269	7503+41.21	6.8 LT	A		4′	T1F CL	6.32	0.68	0.68	-4.89	

STORM SEWER SCHEDULE (CONT.)

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
222	9462+67.17	9463+08.17	3	27	37.0	0.35	67.0
223	1318+82.71	1316+86.54	3	30	190.0	0.24	388.1
224	7515+27.93	1318+82.71	3	18	13.0	1.50	47.6
225	7515+28.04	7515+27.93	2	12	6.0	0.44	6.1
226	7515+91.86	7515+84.28	2	12	12.0	0.44(3)	12.2
227	7513+79.75	7513+69.75	2	12	6.0	0.44	6.1
228	7513+69.75	9462+67.17	2	12	31.0	3.28	31.5
229	7513+59.75	7513+69.75	2	12	6.0	0.44	6.1
2210	7512+27.09	7511+68.99	2	12	55.0	0.44	55.9
2211	9460+77.65	1322+36.69	2	12	8.0	2.25	5.1
2212	1320+55.69	9462+67.17	2	12	19.0	13.07	19.3
2213	7513+89.06	9463+08.17	2	12	11.0	14.64	11.2
2214	9462+99.99	9463+08.17	2	12	12.0	14.83	12.2
2215	1318+70.56	1318+70.66	2	12	8.0	0.44	8.1
2216	1318+70.66	1318+82.71	2	12	10.0	0.44	7.7
2217	NOT USED	-	-	-	-	-	-
2218	7514+49.02	7514+50.19	2	12	30.0	0.44(3)	30.5
2219	7513+69.99	7513+89.06	2	12	16.0	0.44	16.3
2220	7512+97.99	7512+99.63	2	12	35.0	0.44(3)	35.6
2221	7511+68.99	9460+77.65	2	12	27.0	0.44	27.5
2222	7511+10.82	7511+68.99	2	12	54.0	0.44	54.9
2223	9463+08.17	1318+82.71	3	27	127.0	0.35	176.5
241	7505+61.18	7506+48.09	2	18	83.0	1.50	120.3
242	1324+31.38	1324+35.40	2	12	13.0	1.31	13.2
243	1324+35.40	1322+36.69	2	24	194.0	0.40	0.0
244	7509+53.76	1324+35.40	2	12	27.0	0.44	5.6
245	7509+53.76	7509+53.76	2	12	22.0	0.44	22.4
246	1325+02.59	1324+35.40	2	12	64.0	0.44	0.0
247	1326+19.05	1326+35.39	2	12	23.0	0.44	15.8
248	1326+35.39	1327+60.84	3	12	122.0	0.60	0.0
249	9457+52.51	1326+35.39	2	12	22.0	9.82	2.7
2410	7507+79.65	9457+52.51	2	12	24.0	2.37	24.4
2411	1327+48.33	1327+60.84	2	12	9.0	15.33	0.0
2412	1327+60.84	1330+17.82	3	21	254.0	0.25	0.0
2413	7506+69.65	7506+48.09	2	12	20.0	1.12	20.3
2414	7506+48.09	1327+60.84	2	18	48.0	1.50	36.0
2415	1328+11.32	1328+11.27	2	12	22.0	0.44(3)	11.8
2416	7510+32.50	1323+78.09	2	12	42.0	0.44(3)	29.1
2417	7508+67.00	7509+53.76	2	12	83.0	0.53	84.4
2418	9456+32.00	1327+60.84	2	12	25.0	18.68	2.9
261	7505+54.25	7505+61.18	2	12	8.0	5.42	8.1
262	7505+54.25	7505+61.18	2	12	7.0	0.44	7.1
263	9455+28.12	7505+54.25	2	12	5.0	0.44	5.1
264	NOT USED	-	-	-	-	-	-
265	7504+65.60	7504+51.10	2	12	13.0	9.10	13.2
266	1330+05.21	1330+17.82	2	12	21.0	0.44	14.1
267	9453+76.20	1330+17.82	2	12	18.0	19.72	4.3
268	9453+75.76	9453+76.20	2	12	14.0	3.36	14.2
269	7503+41.21	7504+51.10	2	15	106.0	1.50	161.1
2610	7503+84.54	7503+84.58	2	12	11.0	0.44(5)	11.2
2611	1331+00.00	1329+93.84	2	12	9.0	0.44(3)	9.2
2612	7502+72.20	7503+09.33	2	12	34.0	0.88	34.6
2613	9452+06.08	9452+00.96	2	12	5.0	33.00	5.1
2614	9452+00.96	9452+00.96	2	12	14.0	0.44	14.2

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″

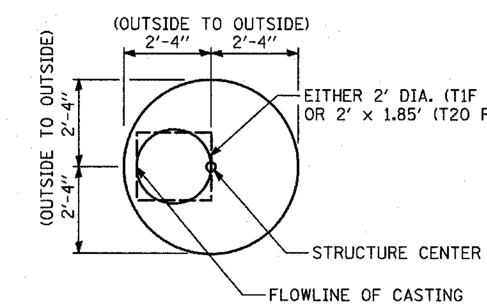
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

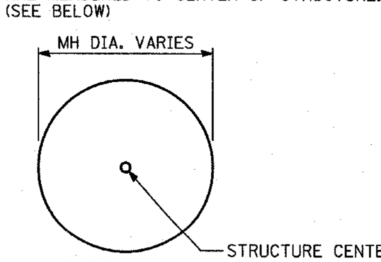
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

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

TY·LIN INTERNATIONAL