F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	860	259
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							
2515	8815+11.00	4.0	RT		A	4'	T20 F&G	5.70				0.45
2516	8815+11.00	18.0	LT		A	4'	T20 F&G	5.74			0.49	
2517	2328+38.74	63.0	RT		A	4'	T20 F&G	-4.08		-9.33		
2518	2328+41.42	84.1	RT	A		5'	T1F CL	-2.36	-15.27		-13.27	-9.41
2519	2328+42.42	101.8	RT		A	4'	T20 F&G	2.29		-3.38		-3.38
2520	2328+43.30	123.8	RT		A	4'	T20 F&G	1.93				-3.32
2521	NOT USED	-	-	-	-	-	-	-	-	-	-	-
2522	8815+10.98	9.9	LT	A		4'	T1F CL	5.86	-5.88	0.28	-5.92	0.28
271	8816+12.39	8.1	RT		C	2'	T1F OL	8.67		3.42		
272	8816+08.51	8.0	LT	A		4'	T1F CL	8.28	-3.98	1.45	-4.48	1.93
273	8816+15.60	17.2	LT		A	4'	T20 F&G	7.76	1.96		1.96	
274	8817+21.71	17.0	LT		A(1)	4'	T1F OL	7.65		2.40		
275	2329+54.27	117.4	RT		A	4'	T20 F&G	-1.42				-6.67
276	2329+53.21	95.4	RT		A	4'	T20 F&G	-1.07		-6.73		-6.73
277	2330+10.63	76.3	RT		C	2'	T1F OL	-7.63		-12.48		
278	2330+24.65	63.0	RT		A	4'	T20 F&G	-6.56	-12.55		-12.55	
279	2330+65.41	110.0	RT		A	4'	T20 F&G	-5.69				-10.94
2710	2330+64.18	88.0	RT		A	4'	T20 F&G	-5.33		-11.00	-11.00	
2711	2331+89.75	100.3	RT		A	4'	T20 F&G	-9.43	-14.68			-14.68
2712	2331+87.70	75.2	RT	A		4'	T1F CL	-9.64		-15.22	-17.08	-15.22
2713	2331+94.65	63.0	RT		A	4'	T20 F&G	-8.75		-14.00		
2714	2333+14.80	68.2	RT		A	4'	T20 F&G	-10.93		-16.18		
2715	2333+15.17	90.3	RT		A	4'	T20 F&G	-11.28	-16.53			-16.53
2716	2333+66.04	61.1	RT	PLUG								-17.03
2717	2333+64.43	87.0	RT		A	4'	T20 F&G	-11.88		-17.13		-17.13
2718	2333+65.02	95.9	RT	A		4'	T1F CL	-9.91	-17.69		-17.16	-16.74
2719	2334+35.43	83.2	RT		A	4'	T20 F&G	-12.29		-17.54		
2720	2332+19.00	103.5	RT		C	2'	T1F OL	-9.32			-14.57	
2721	8816+68.57	17.0	LT		A(1)	4'	T1F OL	7.86		2.18		
2722	8817+71.71	17.0	LT		A(1)	4'	T1F OL	7.85	2.60			
2723	8818+21.71	17.0	LT		A(1)	4'	T1F OL	8.05	2.40	2.40	2.40	
2724	8818+68.21	17.0	LT		A(1)	4'	T1F OL	8.27			3.02	
2725	8818+18.34	9.6	LT	A		4'	T1F CL	8.17		2.38	-0.89	
291	2334+84.25	81.2	RT		A	4'	T20 F&G	-12.42	-17.67			
292	2334+94.24	80.9	RT		A	4'	T20 F&G	-12.44	-17.70		-17.70	
293	2335+04.23	80.5	RT		A	4'	T20 F&G	-12.44	-17.73		-17.73	
294	2335+24.91	87.6	RT		A	4'	T1F OL	-12.29			-17.54	
295	2335+14.57	88.1	RT	A		4'	T1F CL	-12.30	-17.88		-18.57	-19.07
296	2336+49.68	64.1	RT		C	2'	T20 F&G	-11.28				-16.13
311	2341+32.31	79.2	RT	A		5'	T1F CL	-8.14	-18.15	-15.14	-18.65	
312	2343+34.58	81.3	RT	A		4'	T1F CL	-6.45	-15.52	-12.03	-17.52	-12.03(N)
313	2343+67.99	74.7	RT		A	4'	T20 F&G	-5.95		-11.51		
314	8401+45.28	4.0	RT		A	4'	T20 F&G	6.18				0.93
315	8401+45.28	18.0	LT		A	4'	T20 F&G	6.22		0.87		0.87
316	2343+44.26	80.0	RT		C	2'	T1F OL	-6.35			-11.79	
317	8400+54.86	18.0	LT		A(1)	4'	T1F OL	7.16			1.91	
318	NOT USED	-	-	-	-	-	-	-	-	-	-	-
319	8400+08.88	18.0	LT		A(1)	4'	T1F OL	7.34	1.73			1.73
331	2344+83.98	81.0	RT		A	4'	T20 F&G	-5.28		-10.53		
332	8402+40.51	4.0	RT		A	4'	T20 F&G	1.98	-3.27			
333	2345+99.94	64.0	RT	PLUG						-9.73		
334	2345+14.97	92.0	RT	A		4'	T1F CL	-5.29		-10.87	-14.73	
335	8404+30.63	4.0	RT		A	4'	T20 F&G	-3.11				-8.36
336	2346+99.59	66.4	RT		A	4'	T1F OL	-3.10	-8.42			

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
2516	8815+11.00	8815+10.98	2	12	3	10.65	3.1
2517	2328+38.74	2328+41.42	2	15	19	0.44	2.1
2518	2328+41.42	2330+42.00	3	18	195	0.35	0.0
2519	2328+42.42	2328+41.42	2	12	16	37.03	2.1
2520	2328+43.30	2328+42.42	2	12	14	0.44	14.2
2521	NOT USED	-	-	-	-	-	-
2522	8815+10.98	8813+38.84	3	18	169	1.50	228.6
271	8816+12.39	8816+08.51	2	12	15	4.82	15.3
272	8816+08.51	8815+10.98	3	18	94	1.50	136.2
273	8816+15.60	8816+08.51	2	12	7	0.44	7.1
274	8817+21.71	8816+68.57	2	12	50	0.44	23.5
275	2329+54.27	2329+53.21	2	12	14	0.44	14.2
276	2329+53.21	2329+52.53	2	12	18	0.44(3)	2.1
277	2330+10.63	2330+24.65	2	12	17	0.44	4.3
278	2330+24.65	2330+41.99	2	15	21	7.23	2.1
279	2330+65.41	2330+64.18	2	12	14	0.44	14.2
2710	2330+64.18	2330+41.99	2	12	20	15.35	4.1
2711	2331+89.75	2331+87.70	2	12	20	27.15	20.3
2712	2331+87.70	2330+42.00	3	15	141	0.50	39.2
2713	2331+94.65	2331+87.70	2	15	12	10.17	2.6
2714	2333+14.80	2333+15.17	2	12	15	23.33	15.3
2715	2333+15.17	2333+65.02	2	12	47	0.44	18.3
2716	2333+66.04	2333+64.43	2	12	22	0.44	22.4
2717	2333+64.43	2333+65.02	2	12	7	0.44	2.1
2718	2333+65.02	2335+14.57	2	12	146	0.60	0.0
2719	2334+35.43	2334+35.46	2	12	9	5.18	2.1
2720	2332+19.00	2331+89.75	2	12	26	0.44	26.4
2721	8816+68.57	8816+15.60	2	12	49	0.44	49.8
2722	8817+71.71	8818+21.71	2	12	46	0.44	46.8
2723	8818+21.71	8818+18.34	2	12	3	0.44	3.1
2724	8818+68.21	8818+21.71	2	12	43	1.44	43.7
2725	8818+18.34	8816+08.51	3	12	206	1.50	300.1
291	2334+84.25	2334+94.24	2	12	6	0.44	6.1
292	2334+94.24	2335+04.23	2	12	6	0.44	6.1
293	2335+04.23	2335+14.24	2	12	6	0.44	6.1
294	2335+24.91	2335+14.57	2	12	8	4.29	0.0
295	2335+14.57	2335+14.24	2	18	5	0.60	4.3
311	2341+32.31	2340+22.49	3	24	105	0.55	0.0
312	2343+34.58	2341+32.31	2	18	198	0.32	0.0
313	2343+67.99	2343+67.99	2	15	10	0.44(3)	2.1
314	8401+45.28	8401+45.28	2	12	14	0.44	14.2
315	8401+45.28	2343+34.58	2	12	47	25.15	2.3
316	2343+44.26	2343+34.58	2	12	6	4.00	0.0
317	8400+54.86	8400+08.88	2	12	42	0.44	42.7
318	NOT USED	-	-	-	-	-	-
319	8400+08.88	2341+32.31	2	12	83	20.30	3.2
331	2344+83.98	2344+83.99	2	12	12	0.44(3)	2.1
332	8402+40.51	8403+35.05	2	12	91	3.52	12.0
333	2345+99.94	2345+99.94	2	12	19	0.44	19.3
334	2345+14.97	2343+34.58	2	15	177	0.45	0.0
335	8404+30.63	2346+37.27	2	12	59	3.29	12.6
336	2346+99.59	2347+49.48	2	12	46	0.44	46.8
337	2346+37.27	2347+81.52	2	42	141	0.15	329.9
338	8405+06.28	8405+16.10	2	12	6	0.44	6.1

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"

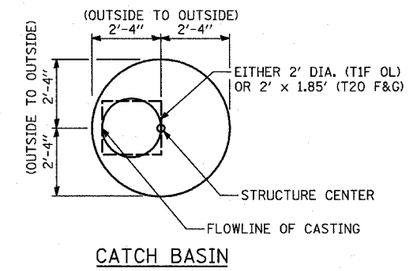
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

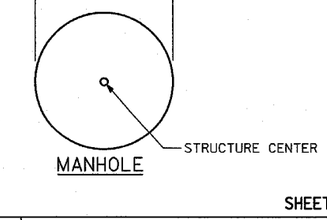
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 6 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

TYLIN INTERNATIONAL