F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	860	260
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							
337	2346+37.27	66.0	RT	A		6′	T1F CL	-3.47	-15.14	-10.30	-10.30	
338	8405+06.28	4.0	RT		A	4′	T20 F&G	-3.65	-8.90			
339	8405+16.10	18.0	LT		A	4′	T20 F&G	-3.30		-8.99		-8.99
3310	8405+16.10	4.0	RT		A	4′	T20 F&G	-3.66	-8.93	-8.93	-8.93	-8.93
3311	8405+26.28	4.0	RT		A	4′	T20 F&G	-3.65			-8.90	
3312	8403+35.05	18.0	LT		A	4′	T20 F&G	-0.86		-6.53		-6.53
3313	8403+35.05	4.0	RT		A	4′	T20 F&G	-1.22				-6.47
3314	2348+47.23	72.0	RT		A	4′	T1F OL	-2.11		-7.41		
3315	8406+44.26	4.0	RT		A	4′	T20 F&G	-2.85				-8.10
3316	2347+99.43	70.7	RT		A	4′	T1F OL	-2.20			-8.01	
3317	NOT USED	-	-	-	-	-	-	-	-	-	-	-
3318	8407+44.13	4.0	RT		A	4′	T20 F&G	-2.05			-7.36	-7.36
3319	2347+49.48	69.3	RT		A	4′	T1F OL	-2.70	-8.61		-8.61	
3320	2345+99.94	87.4	RT		A	4′	T20 F&G	-4.40	-9.81			-9.81
3321	8405+74.22	4.0	RT		A	4′	T20 F&G	-3.41	-8.66			-8.66
3322	2349+44.49	74.7	RT		A	4′	T20 F&G	-1.43			-6.68	
3323	8407+28.52	11.3	RT		C	2′	T1F OL	-2.49	-7.34			
3324	2349+24.80	76.7	RT	A		5′	T1F CL	-1.33	-15.47	-8.16	-15.47	-8.16
3325	2347+81.52	75.2	RT	A		5′	T1F CL	-2.38	-15.35	-9.21	-15.35	-9.21
3325									INVERT OF PIPE 3319		-9.21	
351	2349+88.80	72.0	RT		A	4′	T20 F&G	-1.00		-6.57		
352	NOT USED	-	-	-	-	-	-	-	-	-	-	-
353	8408+43.96	4.0	RT		A	4′	T20 F&G	-1.25	-6.50			
354	2350+83.30	80.0	RT	A		5′	T1F CL	-0.22	-14.66	-7.05(N)	-15.16	-7.05(S)
355	NOT USED	-	-	-	-	-	-	-	-	-	-	-
356	2351+85.60	79.8	RT	A		5′	T1F CL	0.62	-13.96	-6.12	-14.46	
357	NOT USED	-	-	-	-	-	-	-	-	-	-	-
358	2351+96.03	72.0	RT		A	4′	T20 F&G	0.37		-5.62		
359	2353+31.60	72.0	RT		A	4′	T20 F&G	0.95		-4.41		
3510	2351+95.79	74.7	RT		A	4′	T20 F&G	0.55			-5.63	-5.63
3511	NOT USED	-	-	-	-	-	-	-	-	-	-	-
3512	2354+83.43	97.0	RT	A		5′	T1F CL	0.64	-12.75	-6.19(S)	-13.25	-6.19
3513	2354+98.03	68.6	RT		A	4′	T1F OL	0.77		-4.55		-4.55
3514	2353+31.58	74.7	RT		A	4′	T20 F&G	0.97	-4.42	-4.42		-4.42
3515	8409+29.45	30.0	RT		A	4′	T20 F&G	-1.04	-6.29			-6.29
3516	8409+95.44	31.6	RT		A	4′	T20 F&G	-0.55			-5.80	
3517	NOT USED	-	-	-	-	-	-	-	-	-	-	-
3518	2353+50.00	71.7	RT		A	4′	T1F OL	1.12			-4.35	
3519	2354+19.54	70.3	RT		A	4′	T1F OL	1.03		-4.37		
3520	8412+86.41	18.0	LT		A	4′	T20 F&G	0.35	-4.90			
3521	NOT USED	-	-	-	-	-	-	-	-	-	-	-
3522	NOT USED	-	-	-	-	-	-	-	-	-	-	-
3523	8412+38.69	23.6	RT		A	4′	T20 F&G	-0.27	-5.52			
3524	8412+55.43	23.0	RT		A	4′	T20 F&G	-0.30	-5.58		-5.58	-5.58
3525	8412+70.23	20.1	RT		A	4′	T20 F&G	-0.28			-5.53	
3526	NOT USED	-	-	-	-	-	-	-	-	-	-	-
3527	2354+98.12	91.1	RT		A	4′	T20 F&G	0.35	-5.25		-5.25	-5.25
3528	NOT USED	-	-	-	-	-	-	-	-	-	-	-
3529	NOT USED	-	-	-	-	-	-	-	-	-	-	-
3530	2353+30.00	86.8	RT	A		5′	T1F CL	1.03	-13.61		-13.61	-5.80
3531	2354+17.75	92.6	RT	A		5′	T1F CL	0.80	-13.40	-6.03	-13.40	-6.03
371	2356+81.75	91.5	RT	A		5′	T1F CL	0.17	-11.72	-7.58	-12.17	-7.58
372	2356+91.50	86.6	RT		A	4′	T20 F&G	-0.51			-6.22	-6.22
373	2356+93.25	64.0	RT	PLUG						-6.14		

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
339	8405+16.10	2346+95.72	2	12	34	0.44(3)	34.6
3310	8405+16.10	8405+16.10	2	12	14	0.44	14.2
3311	8405+26.28	8405+16.10	2	12	7	0.44	7.1
3312	8403+35.05	2345+14.97	2	12	17	25.53	2.1
3313	8403+35.05	8403+35.05	2	12	14	0.44	14.2
3314	2348+47.23	2348+46.61	2	12	11	0.44(5)	11.2
3315	8406+44.26	8405+74.22	2	12	67	0.84	8.8
3316	2347+99.43	2347+81.52	2	15	15	8.00	15.3
3317	NOT USED	-	-	-	-	-	-
3318	8407+44.13	2349+24.80	2	12	26	3.09	26.4
3319	2347+49.48	2347+81.52	2	12	29	2.07	29.5
3320	2345+99.94	2346+37.27	2	12	39	0.44	39.7
3321	8405+74.22	2347+81.52	2	12	46	1.20	46.8
3322	2349+44.49	2349+24.80	2	12	16	4.58	16.3
3323	8407+28.52	8407+44.13	2	12	16	0.44	11.0
3324	2349+24.80	2348+98.80	3	42	19	0.20	43.6
3325	2347+81.52	2348+98.80	3	42	110	0.15	301.6
351	2349+88.80	2349+88.80	2	12	13	0.44(5)	4.1
352	NOT USED	-	-	-	-	-	-
353	8408+43.96	2350+83.30	2	12	61	0.90	13.1
354	2350+83.30	2348+98.80	3	42	154	0.20	354.0
355	NOT USED	-	-	-	-	-	-
356	2351+85.60	2350+83.30	3	36	98	0.20	223.0
357	NOT USED	-	-	-	-	-	-
358	2351+96.03	2351+95.79	2	12	3	0.44	3.1
359	2353+31.60	2353+31.58	2	12	3	0.44	3.1
3510	2351+95.79	2351+85.60	2	12	7	8.12	7.1
3511	NOT USED	-	-	-	-	-	-
3512	2354+83.43	2354+17.75	3	30	61	0.25	122.8
3513	2354+98.03	2354+98.12	2	12	19	3.69	19.3
3514	2353+31.58	2353+30.00	2	12	6	22.99	6.1
3515	8409+29.45	2350+83.30	2	12	57	1.33	12.2
3516	8409+95.44	8409+29.45	2	12	62	0.79	8.2
3517	NOT USED	-	-	-	-	-	-
3518	2353+50.00	2353+31.58	2	12	16	0.44	16.3
3519	2354+19.54	2354+17.75	2	12	18	9.22	18.3
3520	8412+86.41	2354+83.43	2	12	13	9.92	13.2
3521	NOT USED	-	-	-	-	-	-
3522	NOT USED	-	-	-	-	-	-
3523	8412+38.69	8412+55.43	2	12	13	0.44	13.2
3524	8412+55.43	2354+17.75	2	12	44	1.02	44.7
3525	8412+70.23	8412+55.43	2	12	12	0.44	12.2
3526	2354+98.03	2354+95.81	2	12	6	0.44	6.1
3527	2354+98.12	2354+83.43	2	12	12	7.83	12.2
3528	NOT USED	-	-	-	-	-	-
3529	NOT USED	-	-	-	-	-	-
3530	2353+30.00	2351+85.60	3	30	140	0.25	299.5
3531	2354+17.75	2353+30.00	3	30	83	0.25	174.0
371	2356+81.75	2356+04.49	3	27	73	0.30	113.2
372	2356+91.50	2356+81.75	2	15	8	16.25	8.1
373	2356+93.25	2356+91.50	2	15	19	0.44	19.3
374	2358+88.06	2357+94.60	2	18	90	0.40	79.9
375	2357+94.68	2357+94.60	2	12	5	0.44	2.1
376	2358+81.55	2358+88.06	2	15	7	2.62	3.2

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″

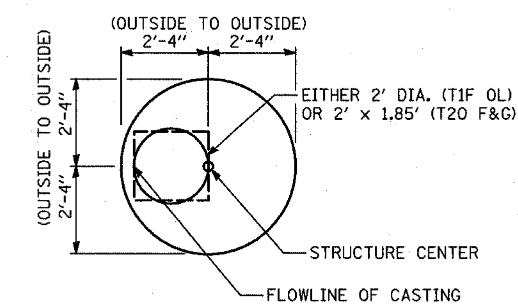
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

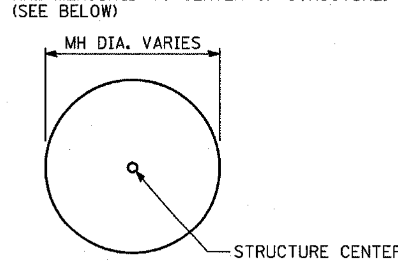
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 7 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

DATE: MARCH 18, 2005

DRAWN BY: NSB

CHECKED BY: DA

TY·LIN INTERNATIONAL