F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	264
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							
2610	7503+84.54	18.0 LT		A	4'	T20 F&G	5.55				0.30
2611	1331+00.00	76.1 LT		C	2'	T1F OL	-7.78				-12.63
2612	7502+72.20	18.0 LT		A	4'	T20 F&G	6.56			1.31	
2613	9452+06.08	23.8 RT		C	2'	T1F OL	-7.55		-12.72		
2614	9452+00.96	20.0 RT		A	4'	T20 F&G	-8.79		-14.04		-14.04
2615	9452+00.96	2.0 LT		A	4'	T20 F&G	-8.43			-14.10	-14.10
2616	1331+71.44	78.4 LT	A		4'	T1F CL	-8.02		-14.22	-15.69	-14.12
2617	1331+78.53	63.0 LT		A	4'	T20 F&G	-8.89				-14.15
2618	1333+59.61	94.3 LT	A		4'	T1F CL	-9.44	-17.15		-16.90	
2619	1333+47.39	59.0 LT	PLUG						-16.36		
2620	9450+26.74	20.0 RT		A	4'	T20 F&G	-11.62		-16.87		-16.87
2621	7504+78.78	12.6 RT		A(1)	4'	T20 F&G	5.88		0.63		
2622	7504+63.84	11.3 RT		A(1)	4'	T20 F&G	5.55	0.30		0.30	
2623	7504+48.90	9.9 RT		A(1)	4'	T20 F&G	5.88		0.25	0.25	
2624	7504+30.00	18.0 LT		A	4'	T20 F&G	4.95				-0.30
2625	7503+46.66	18.0 LT		A	4'	T20 F&G	5.96				0.71
2626	7503+09.33	18.0 LT		A	4'	T20 F&G	6.26	1.01		1.01	
2627	9450+30.68	2.0 LT		A	4'	T20 F&G	-11.15		-16.40		-16.40
2628	7504+51.10	7.0 LT	A		5'	T1F CL	4.77	-6.48	-2.06(N)	-6.48	-2.06
2628								INVERT OF PIPE 265		-2.06	
281	1334+90.52	76.5 LT		A	4'	T20 F&G	-12.13	-17.38			
282	1335+00.53	75.7 LT		A	4'	T20 F&G	-12.16	-17.41	-17.41	-17.41	-17.41
283	1335+00.35	82.7 LT	A		4'	T1F CL	-11.39	-17.89	-17.89	-17.89	
284	1335+10.53	74.8 LT		A	4'	T20 F&G	-12.13			-17.38	
285	1335+00.40	63.7 LT	PLUG						-17.37		
286	1335+49.66	73.4 LT		C	2'	T1F OL	-12.20			-17.05	
287	1336+31.02	64.2 LT		A	4'	T20 F&G	-11.20		-16.48		
303	1343+49.85	72.6 LT		A	4'	T20 F&G	-5.58	-10.83			
321	1345+81.79	79.2 LT		A	4'	T20 F&G	-3.97	-9.22			
322	1344+53.52	90.5 LT		C	2'	T1F OL	-5.42		-10.27		
323	1346+48.92	88.1 LT	A		5'	T1F CL	-3.62	-15.46	-9.22	-11.60	
324	1347+79.56	84.9 LT		A	4'	T20 F&G	-2.65		-7.91		-7.91
325	9434+15.15	20.0 RT		A	4'	T20 F&G	-2.00	-7.25			
326	7134+24.97	4.0 RT		A	4'	T20 F&G	1.97		-3.28		
327	7134+24.97	18.0 LT		A	4'	T20 F&G	2.33		-3.34		-3.34
328	7136+79.42	21.2 LT		A(1)	4'	T1F OL	6.63	1.38			
329	7133+51.14	5.0 RT		A	4'	T20 F&G	0.32		-4.93		
3210	1346+68.26	179.3 LT		A(1)	4'	T1F OL	7.14	1.89			
3211	1346+98.26	179.3 LT		A(1)	4'	T1F OL	7.14			1.89	
3212	1346+83.26	179.3 LT		A(1)	4'	T1F OL	6.81		1.56		
3213	7135+72.34	4.0 RT		A	4'	T20 F&G	6.05		0.80		
3214	7135+72.34	18.0 LT		A	4'	T20 F&G	6.09		0.74		0.74
3215	7135+30.47	4.0 RT		A	4'	T20 F&G	4.90	-0.35			
3216	7135+10.47	4.0 RT		A	4'	T20 F&G	4.35	-1.53	-1.53	-0.90	
3217	7134+90.47	4.0 RT		A	4'	T20 F&G	3.79			-1.46	
3218	1347+79.54	72.9 LT	PLUG						-7.86		
3219	1345+81.87	67.2 LT	PLUG						-9.16		
3220	9433+52.73	20.0 RT		A	4'	T20 F&G	-1.43			-6.68	
3221	1346+40.76	80.9 LT		A	4'	T20 F&G	-3.56	-8.81			
3222	1344+38.99	75.1 LT		A	4'	T20 F&G	-4.89	-10.35		-10.35	
3223	1349+30.20	97.8 LT	A		5'	T1F CL	-1.03	-14.48	-7.86	-14.48	-12.48
3224	7133+57.15	25.9 LT	A		5'	T1F CL	1.11		-12.40	-10.40	-5.72
3225	7136+00.95	27.2 LT	A		5'	T1F CL	6.60	-5.96			-0.23
3226	1347+79.53	90.7 LT	A		5'	T1F CL	-2.79	-15.71	-9.70	-15.71	

STORM SEWER SCHEDULE (CONT.)

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
2615	9452+00.96	1331+71.44	2	12	5.0	0.44	5.1
2616	1331+71.44	1330+17.82	2	12	151.0	0.50	0.0
2617	1331+78.53	1331+71.44	2	12	15.0	0.44	15.3
2618	1333+59.61	1335+00.35	2	15	136.0	0.54	125.8
2619	1333+47.39	9450+30.68	2	12	8.0	0.44	8.1
2620	9450+26.74	1333+59.61	2	12	7.0	0.44	7.1
2621	7504+78.78	7504+63.84	2	12	11.0	3.00	11.2
2622	7504+63.84	7504+48.90	2	12	11.0	0.44	11.2
2623	7504+48.90	7504+51.10	2	12	15.0	15.40	15.3
2624	7504+30.00	7504+51.10	2	12	19.0	9.26	19.3
2625	7503+46.66	7503+41.21	2	12	7.0	0.44	7.1
2626	7503+09.33	7503+41.21	2	12	30.0	1.10	30.5
2627	9450+30.68	9450+26.74	2	12	15.0	3.13	15.3
2628	7504+51.10	7505+61.18	2	18	106.0	1.50	159.3
281	1334+90.52	1335+00.53	2	12	7.0	0.44	7.1
282	1335+00.53	1335+00.35	2	12	5.0	9.60	5.1
283	1335+00.35	1335+31.63	2	15	28.0	0.54	26.6
284	1335+10.53	1335+00.53	2	12	7.0	0.44	7.1
285	1335+00.40	1335+00.53	2	12	8.0	0.44	8.1
286	1335+49.66	1335+31.63	2	12	16.0	6.19	16.3
321	1345+81.79	1346+48.92	2	12	64.0	3.72	33.1
322	1344+53.52	1344+38.99	2	12	20.0	0.44	4.2
323	1346+48.92	1347+79.53	2	42	126.0	0.20	89.2
324	1347+79.56	1347+79.53	2	12	4.0	44.75	4.1
325	9434+15.15	1348+91.93	2	12	21.0	8.10	21.4
326	7134+24.97	7134+24.97	2	12	14.0	0.44	14.2
327	7134+24.97	7134+17.60	2	12	13.0	0.44(3)	3.7
328	7136+79.42	7136+00.95	2	12	75.0	0.44	24.3
329	7133+51.14	7133+57.15	2	12	25.0	3.17	22.4
3210	1346+68.26	1346+85.90	2	12	23.0	4.30	23.4
3211	1346+98.26	1346+84.43	2	12	14.0	4.07	14.2
3212	1346+83.26	7136+00.95	2	12	37.0	4.19	32.6
3213	7135+72.34	7135+72.34	2	12	14.0	0.44	14.2
3214	7135+72.34	7135+64.58	2	12	14.0	0.44(3)	3.7
3215	7135+30.47	7135+10.47	2	12	16.0	3.67	16.3
3216	7135+10.47	1347+78.59	2	12	25.0	12.64	20.9
3217	7134+90.47	7135+10.47	2	12	16.0	0.44	16.3
3218	1347+79.54	1347+79.56	2	12	8.0	0.44	8.1
3219	1345+81.87	1345+81.79	2	12	8.0	0.44	8.1
3220	9433+52.73	1349+30.20	2	12	12.0	9.83	5.4
3221	1346+40.76	1346+48.92	2	12	8.0	5.13	4.4
3222	1344+38.99	1343+49.85	2	12	86.0	0.55	87.5
3223	1349+30.20	1348+91.93	3	36	45.0	0.20	44.8
3224	7133+57.15	1349+30.20	3	24	4.0	2.00	0.0
3225	7136+00.95	1347+78.59	3	24	86.0	1.86	0.0
3226	1347+79.53	1348+91.93	3	42	95.0	0.20	276.0
3227	1347+78.59	7133+57.15	2	24	149.0	1.86	0.0
341	1349+91.33	9432+79.28	2	12	24.0	0.44	24.4
342	9432+79.28	9432+81.73	2	12	14.0	0.44(3)	2.7
343	1350+49.40	7132+33.61	2	12	35.0	5.80	35.6
344	7132+25.25	7132+33.61	2	12	6.0	27.20	6.1
345	NOT USED	-	-	-	-	-	-
346	7132+25.25	7132+35.25	2	12	7.0	0.44	7.1
347	7132+35.25	7132+33.61	2	12	26.0	3.42	26.4

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 CONNECTION TO SEWER."

(4) INDICATES SEWER LATERAL WITH 30° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTION TO SEWER."

(5) INDICATES SEWER LATERAL WITH 60° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTION 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"

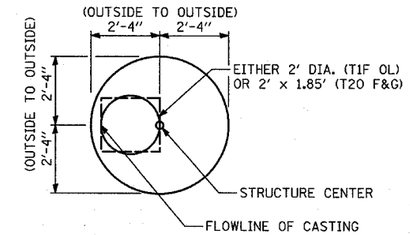
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

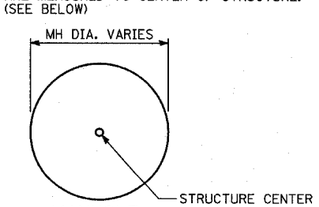
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 6 OF 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

TY·LIN INTERNATIONAL