F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	265
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							
3227	1347+78.59	121.1 LT	A		5'	T1F CL	4.30	-7.63		-7.56	-4.06
341	1349+91.33	64.0 LT	PLUG						-6.58		
342	9432+79.28	20.0 RT		A	4'	T20 F&G	-0.84		-6.68		-6.68
343	1350+49.40	70.9 LT		A	4'	T1F OL	-0.07				-5.32
344	7132+25.25	18.0 LT		A	4'	T20 F&G	-0.48	-5.73		-5.71	
345	NOT USED										
346	7132+25.25	23.4 RT		A	4'	T20 F&G	-1.17	-6.45		-6.45	
347	7132+35.25	22.7 RT		A	4'	T20 F&G	-1.14	-6.47	-6.47		
348	7132+33.61	10.1 RT	A		6'	T1F CL	-0.46	-14.23	-7.36	-14.23	-7.36(W),-7.36(NW)
349	7130+85.41	9.8 RT	A		5'	T1F CL	-0.10	-13.44	-7.00	-13.94	-7.00
3410	1354+79.45	119.6 LT	A		5'	T1F CL	0.49	-12.27	-6.34	-12.77	
3411	NOT USED	- -	-	-	-	-	-	-	-	-	-
3412	9431+75.00	20.0 RT		A	4'	T20 F&G	-0.19			-5.44	
3413	NOT USED										
3414	7131+74.98	25.5 RT		A	4'	T20 F&G	-1.05		-6.30		
3415	NOT USED										
3416	1352+04.94	72.0 LT		A	4'	T20 F&G	0.60		-4.81		-4.81
3417	NOT USED	- -	-	-	-	-	-	-	-	-	-
3418	7131+00.99	27.9 RT		A	4'	T20 F&G	-0.61		-5.86		
3419	NOT USED										
3420	7132+15.25	23.9 RT		A	4'	T20 F&G	-1.18			-6.43	
3421	NOT USED										
3422	9430+66.20	4.1 LT		A	4'	T20 F&G	0.61		-4.82		-4.82
3423	NOT USED	- -	-	-	-	-	-	-	-	-	-
3424	NOT USED										
3425	NOT USED	- -	-	-	-	-	-	-	-	-	-
3426	NOT USED										
3427	9431+71.26	3.3 LT		A	4'	T1F OL	0.16	-5.09		-5.09	
3428	7129+49.98	33.0 RT		A	4'	T20 F&G	0.28		-4.97		
3429	NOT USED										
3430	1351+50.02	73.5 LT		A	4'	T1F OL	0.40			-4.85	
3431	1354+80.91	74.7 LT		A	4'	T20 F&G	1.08		-4.86		-4.86
3432	1354+81.16	72.0 LT		A	4'	T20 F&G	0.40		-4.85		-4.85
3433	7128+10.24	4.0 RT		A	4'	T20 F&G	0.77		-4.98		-4.98
361	1356+57.55	124.0 LT	A		5'	T1F CL	-1.44	-11.14		-11.75	-8.79
362	7126+32.44	4.0 RT		A	4'	T20 F&G	-1.11		-6.84		-6.84
363	1356+57.81	74.7 LT		A	4'	T20 F&G	-0.44		-6.69		-6.69
364	1356+57.81	72.0 LT		A	4'	T20 F&G	-0.41		-6.68		-6.68
365	NOT USED	- -	-	-	-	-	-	-	-	-	-
366	1358+68.62	139.4 LT		C	2'	T1F OL	-2.90		-7.85		
367	1358+68.81	132.2 LT	A		5'	T1F CL	-1.91		-9.96	-10.33	-8.70
368	1358+62.61	94.5 LT	A		5'	T1F CL	-1.89		-8.79	-8.79	-9.80
369	7125+61.67	4.0 RT		A	4'	T20 F&G	-2.01		-7.26		-7.26
3610	9425+23.85	5.4 LT		A	4'	T1F OL	-1.33				-6.58
3611	9424+23.82	3.3 RT		A	4'	T1F OL	-2.30				-7.55
3612	9424+24.98	20.0 RT		A	4'	T20 F&G	-2.70	-7.95	-7.95		
3613	7125+01.22	4.0 RT		A	4'	T20 F&G	-2.36	-8.36			
3614	7124+91.22	4.0 RT		A	4'	T20 F&G	-2.37	-8.38	-7.62	-8.38	-8.38
3615	7124+91.22	18.0 LT		A	4'	T20 F&G	-2.01		-7.26		-7.26
3616	7124+57.10	4.0 RT		A	4'	T20 F&G	-2.29				-8.29
3617	1358+62.30	64.0 LT	PLUG						-8.62		
3618	1359+35.00	85.8 LT		A	4'	T20 F&G	-3.67	-8.92			
3619	1360+00.36	82.2 LT		A	4'	T20 F&G	-4.10	-9.35		-9.35	
3620	1359+21.78	101.1 LT	A		4'	T1F CL	-0.84	-7.09			-6.64

STORM SEWER SCHEDULE (CONT.)

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
348	7132+33.61	1349+30.20	3	36	121.0	0.20	206.8
349	7130+85.41	7132+33.61	3	36	145.0	0.20	347.6
3410	1354+79.45	7130+85.41	3	36	270.0	0.25	510.7
3411	NOT USED	-	-	-	-	-	-
3412	9431+75.00	7132+25.25	2	12	29.0	1.00	29.5
3413	NOT USED	-	-	-	-	-	-
3414	7131+74.98	7131+74.14	2	12	26.0	0.44(3)	26.4
3415	NOT USED	-	-	-	-	-	-
3416	1352+04.94	9430+66.20	2	12	3.0	0.44	3.1
3417	NOT USED	-	-	-	-	-	-
3418	7131+00.99	7130+85.41	2	12	18.0	6.33	18.3
3419	NOT USED	-	-	-	-	-	-
3420	7132+15.25	7132+25.25	2	12	7.0	0.44	7.1
3421	NOT USED	-	-	-	-	-	-
3422	9430+66.20	7130+85.41	2	12	43.0	5.10	43.7
3423	NOT USED	-	-	-	-	-	-
3424	NOT USED	-	-	-	-	-	-
3425	NOT USED	-	-	-	-	-	-
3426	NOT USED	-	-	-	-	-	-
3427	9431+71.26	1350+49.40	2	12	47.0	0.49	47.8
3428	7129+49.98	7129+60.05	2	12	22.0	0.44(3)	22.4
3429	NOT USED	-	-	-	-	-	-
3430	1351+50.02	9431+71.26	2	12	47.0	0.51	47.8
3431	1354+80.91	7128+10.24	2	12	28.0	0.44	28.5
3432	1354+81.16	1354+80.91	2	12	3.0	0.44	3.1
3433	7128+10.24	1354+79.45	2	12	7.0	19.47	4.7
361	1356+57.55	1354+79.45	3	30	174.0	0.30	0.0
362	7126+32.44	1356+57.55	2	12	5.0	39.00	5.1
363	1356+57.81	7126+32.44	2	12	34.0	0.44	34.6
364	1356+57.81	1356+57.81	2	12	3.0	0.44	3.1
365	NOT USED	-	-	-	-	-	-
366	1358+68.62	1358+68.81	2	12	4.0	22.30	0.0
367	1358+68.81	1357+96.23	2	27	68.0	0.40	0.0
368	1358+62.61	1358+68.81	2	21	34.0	0.48	19.9
369	7125+61.67	7125+68.05	2	12	10.0	0.44(3)	6.1
3610	9425+23.85	7125+61.67	2	12	48.0	1.45	48.8
3611	9424+23.82	9424+24.98	2	12	18.0	2.35	18.3
3612	9424+24.98	1358+62.61	2	12	10.0	8.40	10.2
3613	7125+01.22	7124+91.22	2	12	6.0	12.29	6.1
3614	7124+91.22	1357+96.23	2	12	6.0	33.00	6.1
3615	7124+91.22	7124+91.22	2	12	14.0	2.77	14.2
3616	7124+57.10	7124+59.37	2	12	15.0	11.50	8.9
3617	1358+62.30	1358+62.61	2	12	28.0	0.44	28.5
3618	1359+35.00	1360+00.36	2	12	61.0	0.70	62.0
3619	1360+00.36	1360+79.63	2	12	77.0	1.39	78.3
3620	1359+21.78	1360+98.67	3	18	173.0	0.30	0.0
3621	7122+72.20	7123+70.52	2	12	95.0	2.56	96.6
3622	7123+70.88	1359+21.78	2	12	5.0	0.44	2.6
3623	1357+99.68	7124+91.22	2	12	29.0	0.75	29.5
3624	7123+70.52	7123+70.88	2	12	14.0	0.44	14.2
3625	7124+81.22	7124+91.22	2	12	6.0	11.71	6.1
3626	1357+96.23	1356+57.55	2	27	134.0	0.40	0.0
381	1364+61.63	1362+79.44	3	21	178.0	0.40	0.0
382	1362+79.44	1361+09.96	3	27	176.0	0.30	383.0

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"

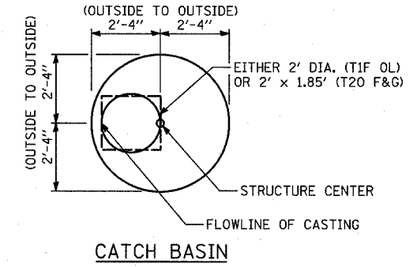
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

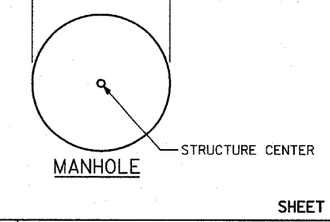
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 7 OF 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

05/06/2005 12:12:30 PM