F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	764	355
STA. 88+60 (SB I-57) 1126+91 (SB FORD)		TO STA. 1313+00 (SB RYAN)		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (1516.1, 1717, & 1818) R-5

62593

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							
606	1151+04.97	72.8 LT	A		4′	T1F CL	0.53	-4.59	-8.94		
607	1151+24.42	12.0 LT		A	4′	T20 F&G	2.51	-4.33		-4.33	
615	1154+98.49	31.8 RT		A(7)	4′	T20 F&G	5.14				-0.69
616	1154+88.88	29.0 LT	A		4′	T1F CL	5.68	-5.34	-0.94	-5.59	
617	1156+16.66	28.5 RT		A(7)	4′	T20 F&G	5.54				-0.29
618	1156+17.52	31.0 LT	A		4′	T1F CL	6.75		-0.53	-4.71	
619	1159+54.59	31.2 RT		A(7)	4′	T20 F&G	5.80				-0.03
6110	1159+52.51	29.5 LT	A(6)		4′	T1F CL	2.37	-8.19	-0.27		
621	1160+77.05	28.0 LT	A		4′	T1F CL	4.42	-8.80	-1.06	-8.80	
622	1162+52.28	23.3 LT	A		4′	T1F CL	4.75	-10.95	-2.45	-9.67	
623	1163+28.94	20.3 LT	A(2)		6′	T1F CL	4.68	-11.28		-11.28	
624	1160+77.72	31.7 RT		A(7)	4′	T20 F&G	5.01				-0.82
625	1162+55.23	31.5 RT		A(7)	4′	T20 F&G	3.60				-2.23
626	1163+71.16	31.5 RT		A(7)	4′	T20 F&G	3.14				-2.69
627	1163+69.24	21.3 LT	A		4′	T1F CL	4.38		-2.90	-5.23	
628	1163+54.12	21.6 LT	A(2)		6′	T1F CL	4.79	-5.28		-5.28	
631	416+48.10	45.2 RT		C	2′	T1F OL	3.30	-2.54			
632	416+48.27	34.0 RT		A	4′	T20 F&G	3.24	-2.59		-2.59	
633	416+48.26	10.0 LT		A	4′	T20 F&G	5.25	-2.75		-2.75	
634	416+64.24	20.4 LT	A		4′	T1F CL	4.50		-5.69	-2.82(W)	-5.44
635	414+73.12	21.9 LT	A		4′	T1F CL	6.30		-4.59		
651	418+86.29	17.4 LT	DROP		7′	T1F CL	3.01	-16.18	-7.07	-5.13	-6.57
652	420+24.12	15.3 LT	A		6′	T1F CL	1.82	-3.68	-6.66	-6.11	-6.66
653	421+23.69	22.3 LT	A		6′	T1F CL	2.43	-5.87		-3.71	-6.37
654	418+72.12	34.0 RT		A	4′	T20 F&G	0.89	-4.94			
655	418+86.29	10.0 LT		A	4′	T20 F&G	2.90	-5.11		-5.11	
656	420+36.21	41.1 RT		C	2′	T1F OL	-1.01	-5.88			
657	420+38.43	34.1 RT		A	4′	T20 F&G	0.22			-5.91	-5.91
658	420+17.99	34.0 RT		A	4′	T20 F&G	0.12		-5.91		
659	420+28.19	34.0 RT		A	4′	T20 F&G	0.16	-5.94	-5.94		-5.94
6510	420+23.76	22.8 LT		C	2′	T1F OL	1.34			-3.66	
6511	420+27.50	8.5 LT		A	4′	T20 F&G	2.35	-6.09	-6.09	-6.09	-6.09
6512	420+17.56	8.8 LT		A	4′	T20 F&G	2.34		-6.06		
6513	420+37.45	8.4 LT		A	4′	T20 F&G	2.35				-6.06
6514	421+41.14	34.4 RT		A	4′	T20 F&G	0.56	-3.48			
6515	421+41.07	8.1 LT		A	4′	T20 F&G	2.89	-3.63		-3.63	
6516	418+59.70	204.1 LT	A(2)		6′	T1F CL	-8.84	-18.02		-18.02	
6517	418+58.03	217.4 LT	DROP		8′	T1F CL	-10.93	-26.40		-18.04	

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
5920	1144+91.96	1145+01.79	2	15	6	0.44	2.0
601	1149+82.09	1149+65.79	2	15	65	0.44	21.4
602	1149+65.79	1149+65.47	2	15	18	0.44	1.0
603	1149+65.47	1148+11.33	2	24	154	0.30	0.0
604	1153+13.27	1151+31.85	2	12	178	0.44	51.4
605	1151+34.48	1151+24.42	2	15	39	0.44	12.8
606	1151+04.97	1149+65.47	2	18	141	0.36	0.0
607	1151+24.42	1151+04.97	2	15	60	0.44	14.8
615	1154+98.49	1154+88.88	2	12	56	0.44	14.5
616	1154+88.88	421+23.69	2	18	70	0.40	0.0
617	1156+16.66	1156+17.52	2	12	54	0.44	14.7
618	1156+17.52	1154+88.88	3	15	127	0.50	0.0
619	1159+54.59	1159+52.51	2	12	55	0.44	15.6
6110	1159+52.51	1160+77.05	3	15	123	0.50	0.0
621	1160+77.05	1162+52.28	3	15	174	0.50	254.9
622	1162+52.28	1163+28.94	3	18	73	0.45	0.0
623	1163+28.94	1163+41.76	3	18	8	0.50	0.0
624	1160+77.72	1160+77.05	2	12	54	0.44	15.3
625	1162+55.23	1162+52.28	2	12	49	0.44	13.9
626	1163+71.16	1163+69.24	2	12	47	0.44	12.4
627	1163+69.24	1163+54.12	2	15	11	0.50	0.0
628	1163+54.12	1163+41.76	2	15	7	0.50	0.0
631	416+48.10	416+48.27	2	12	11	0.44	0.9
632	416+48.27	416+48.26	2	12	36	0.44	10.4
633	416+48.26	416+64.24	2	12	17	0.44	2.0
634	416+64.24	418+86.29	2	18	221	0.40	0.0
635	414+73.12	416+64.24	2	15	190	0.50	0.0
651	418+86.29	418+59.70	4	30	184	1.00	0.0
652	420+24.12	418+86.29	2	24	135	0.30	327.2
653	421+23.69	420+24.12	2	24	96	0.30	0.0
654	418+72.12	418+86.29	2	12	39	0.44	11.3
655	418+86.29	418+86.29	2	12	4	0.44	1.2
656	420+36.21	420+38.43	2	12	7	0.44	1.4
657	420+38.43	420+28.19	2	15	6	0.44	2.0
658	420+17.99	420+28.19	2	15	6	0.44	2.0
659	420+28.19	420+27.50	2	15	35	0.44	11.5
6510	420+23.76	420+24.12	2	12	4	0.44	0
6511	420+27.50	420+24.12	2	15	5	0.44	1.6
6512	420+17.56	420+27.50	2	15	6	0.44	2.0
6513	420+37.45	420+27.50	2	15	6	0.44	2.0
6514	421+41.14	421+41.07	2	12	35	0.44	10.1
6515	421+41.07	421+23.69	2	12	19	0.44	2.6
6516	418+59.70	418+58.03	2	30	7	0.20	0.0
6517	418+58.03	1157+72.53	3	30	5	1.00	0.0

NOTES:

(1) INDICATES INLET TYPE A, 2′ DIAMETER, 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.

(7) INDICATES CATCH BASIN REQUIRING TEMPORARY SOIL RETENTION SYSTEM WITH INSTALLATION.

(8) ALL STRUCTURE ELEVATIONS IN RESURFACED AREAS COME FROM AERIAL SURVEY AND SHOULD BE VERIFIED IN THE FIELD AND ADJUSTED TO MATCH EXISTING CONDITIONS.

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″

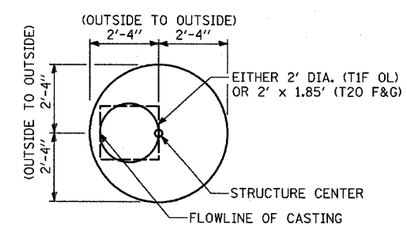
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

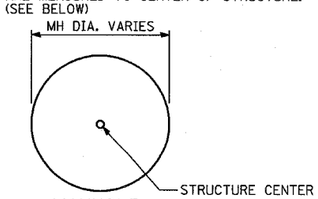
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 8 OF 8

TY·LIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)

DRAINAGE STRUCTURE SCHEDULE

SCALE: NONE — DRAWN BY: RD

DATE: MARCH 1, 2006 — CHECKED BY: DA