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							
241	1247+22.76	10.0 RT		A(7)	4'	T20 F&G	0.38				-5.92
242	1249+10.84	9.9 RT		A(7)	4'	T20 F&G	-3.48				-9.39
243	1249+10.82	72.0 LT		A	4'	T20 F&G	-3.87		-9.72	-9.97	
244	1250+70.51	8.6 RT		A(7)	4'	T20 F&G	-6.84				-12.82
245	1250+70.49	72.0 LT		A	4'	T20 F&G	-7.29	-13.73	-13.14		
246	1252+30.19	7.3 RT		A(7)	4'	T20 F&G	-8.73				-14.72
247	1252+30.19	72.0 LT		A	4'	T20 F&G	-9.19	-15.29	-15.04		
251	1254+05.13	6.0 RT		A(7)	4'	T20 F&G	-9.61				-15.67
252	1254+00.37	72.0 LT		A	4'	T20 F&G	-10.14		-15.99		-16.24
253	1255+70.29	5.9 RT		A(7)	4'	T20 F&G	-10.44				-16.54
254	1255+70.54	72.0 LT		A	4'	T20 F&G	-11.00		-16.85		-17.10
255	1257+37.13	6.0 RT		A(7)	4'	T20 F&G	-11.14	-17.45			
256	1257+51.83	6.0 RT		A(7)	4'	T20 F&G	-11.14	-17.50		-17.50	-17.50
257	1257+67.26	6.0 RT		A(7)	4'	T20 F&G	-11.14			-17.45	
258	NOT USED	- -	-	-	-	-	-				
259	NOT USED	- -	-	-	-	-	-				
2510	1257+51.83	72.0 LT		A	4'	T20 F&G	-11.69	-17.81	-17.81	-17.81	
2511	1257+41.83	72.0 LT		A	4'	T20 F&G	-11.69	-17.84			-18.34
2512	1257+61.83	72.0 LT		A	4'	T20 F&G	-11.69			-17.78	
2513	1258+27.91	6.2 RT		A(7)	4'	T20 F&G	-10.98				-16.45
2514	1258+27.70	65.4 LT		A	4'	T20 F&G	-11.23		-16.73		-16.73
2515	1257+42.21	81.8 LT		C	2'	T1F OL	-12.02		-18.34		
261	1259+95.28	75.1 LT	A		5'	T1F CL	-6.51	-14.71	-15.60	-13.01	
262	1261+47.25	76.4 LT	A		5'	T1F CL	-5.24	-15.10	-13.75	-15.10	-11.74(N)
263	1263+16.28	77.8 LT	A		5'	T1F CL	-4.66	-16.02	-11.11	-15.53	-11.11(N)
264	1259+91.23	6.5 RT		A(7)	4'	T20 F&G	-9.50				-15.28
265	1259+91.01	65.4 LT		A	4'	T20 F&G	-9.73		-15.56		-15.56
266	1261+39.93	6.5 RT		A(7)	4'	T20 F&G	-7.18				-13.16
267	1261+39.85	71.1 LT		A	4'	T20 F&G	-7.62		-13.47		-13.72
268	1263+11.09	6.5 RT		A(7)	4'	T20 F&G	-4.46				-10.53
269	1263+11.09	72.0 LT		A	4'	T20 F&G	-4.99		-10.84		-11.09
2610	1264+78.73	6.5 RT		A(7)	4'	T20 F&G	-1.90				-7.92
2611	1264+78.73	72.0 LT		A	4'	T20 F&G	-2.43		-8.28	-8.53	
2612	1263+50.00	79.8 LT		C	2'	T1F OL	-4.70			-10.97	
2613	1259+80.54	69.9 LT		C	2'	T1F OL	-7.59	-12.95			
2614	1261+63.33	80.5 LT		C	2'	T1F OL	-7.13			-11.68	
271	1266+49.39	6.6 RT		A(7)	4'	T20 F&G	-0.09				-6.15
272	1266+49.38	72.0 LT		A	4'	T20 F&G	-0.61		-6.46		-6.71
273	1268+40.44	9.5 RT		A(7)	4'	T20 F&G	1.53				-4.38
274	1268+40.38	72.0 LT		A	4'	T20 F&G	1.14		-4.71		-4.96
275	1270+49.55	10.0 RT		A(7)	4'	T20 F&G	3.26				-2.64
276	1270+49.55	72.0 LT		A	4'	T20 F&G	2.88		2.97		-3.22
277	1266+41.39	79.8 LT		C	2'	T1F OL	-1.02	-6.70			
281	1274+96.27	10.0 RT		A(7)	4'	T20 F&G	3.02				-2.90
282	NOT USED	- -	-	-	-	-	-				
283	1276+42.84	10.0 RT		A(7)	4'	T20 F&G	1.69				-4.22
284	1276+42.84	72.0 LT		A	4'	T20 F&G	1.30	-4.80	-4.55		
291	1277+89.11	10.0 RT		A(7)	4'	T20 F&G	-0.16				-6.07
292	1277+89.11	72.0 LT		A	4'	T20 F&G	-0.55	-6.65	-6.40		
293	1279+69.43	10.0 RT		A(7)	4'	T20 F&G	-2.50				-8.41
294	1279+69.43	72.0 LT		A	4'	T20 F&G	-2.89		-8.74		-8.99
295	1281+49.12	10.0 RT		A(7)	4'	T20 F&G	-4.84				-10.74
296	1281+48.58	72.0 LT		A	4'	T20 F&G	-5.22		-11.07		-11.32
297	1281+48.56	76.9 LT	A		5'	T1F CL	-5.14	-17.68	-11.33	-17.68	
298	1277+87.59	79.9 LT		C	2'	T1F OL	-0.85	-6.65			
301	1285+07.25	77.0 LT	A		4'	T1F CL	-5.80	-12.30	-15.98	-15.98	

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
227	1237+44.76	1237+30.50	2	18	68	F.V.	24.3
231	1241+97.78	1241+97.73	2	12	77	0.44	22.3
232	1241+97.73	1241+91.16	2	12	8	0.44	2.3
233	1241+91.16	1240+13.29	2	18	174	0.45	2.8
234	1245+79.44	1241+97.73	2	12	84	0.44	24.3
235	1245+79.44	1245+79.44	2	12	79	0.44	22.8
241	1247+22.76	1247+22.75	2	12	72	0.44	20.8
242	1249+10.84	1249+10.82	2	12	74	0.44	21.4
243	1249+10.82	1249+02.97	2	15	5	0.44	1.6
244	1250+70.51	1250+70.49	2	12	73	0.44	21.1
245	1250+70.49	1250+79.96	2	15	9	2.00	3.0
246	1252+30.19	1252+30.19	2	12	72	0.44	20.8
247	1252+30.19	1252+41.48	2	15	9	0.44	3.0
251	1254+05.13	1254+00.37	2	12	71	0.44	20.5
252	1254+00.37	1254+00.37	2	15	5	0.44	1.0
253	1255+70.29	1255+70.54	2	12	70	0.44	20.2
254	1255+70.54	1255+78.46	2	15	6	0.44	2.0
255	1257+37.13	1257+51.83	2	15	11	0.44	3.6
256	1257+51.83	1257+51.83	2	15	70	0.44	23.0
257	1257+67.26	1257+51.83	2	15	12	0.44	3.9
258	NOT USED	-	-	-	-	-	-
259	NOT USED	-	-	-	-	-	-
2510	1257+51.83	1257+41.83	2	15	6	0.44	2.0
2511	1257+41.83	1257+42.19	2	21	2	0.44	0.8
2512	1257+61.83	1257+51.83	2	15	6	0.44	2.0
2513	1258+27.91	1258+27.70	2	12	64	0.44	18.5
2514	1258+27.70	1258+27.50	2	12	3	0.44	0.9
2515	1257+42.21	1257+42.19	2	12	3	0.44	0.0
261	1259+95.28	1261+47.25	2	18	148	0.26	29.3
262	1261+47.25	1263+16.28	2	18	165	0.26	181.1
263	1263+16.28	1264+53.18	3	24	132	0.25	74.0
264	1259+91.23	1259+91.01	2	12	64	0.44	18.5
265	1259+91.01	1259+95.28	2	12	9	0.44	1.4
266	1261+39.93	1261+39.85	2	12	70	0.44	20.2
267	1261+39.85	1261+47.25	2	15	6	0.44	2.0
268	1263+11.09	1263+11.09	2	12	71	0.44	20.5
269	1263+11.09	1263+16.28	2	15	5	0.44	1.6
2610	1264+78.73	1264+78.73	2	12	71	0.44	20.5
2611	1264+78.73	1264+53.18	2	15	22	0.44	7.2
2612	1263+50.00	1263+16.28	2	12	31	0.44	0.0
2613	1259+80.54	1259+95.28	2	12	13	0.44	0.0
2614	1261+63.33	1261+47.25	2	12	14	0.44	0.0
271	1266+49.39	1266+49.38	2	12	71	0.44	20.5
272	1266+49.38	1266+49.44	2	15	3	0.44	1.0
273	1268+40.44	1268+40.38	2	12	74	0.44	21.4
274	1268+40.38	1268+33.87	2	15	6	0.44	2.0
275	1270+49.55	1270+49.55	2	12	74	0.44	21.4
276	1270+49.55	1270+49.55	2	15	5	0.44	1.0
277	1266+41.39	1266+49.44	2	12	5	0.44	0.0
281	1274+96.27	1274+96.27	2	12	75	0.44	21.7
282	NOT USED	-	-	-	-	-	-
283	1276+42.84	1276+42.84	2	12	74	0.44	21.4
284	1276+42.84	1276+54.86	2	15	11	0.44	2.6
291	1277+89.11	1277+89.11	2	12	74	0.44	21.4
292	1277+89.11	1277+95.79	2	15	6	0.44	2.0
293	1279+69.43	1279+69.43	2	12	74	0.44	21.4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	764	352
STA. 88+60 (SB T-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

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"

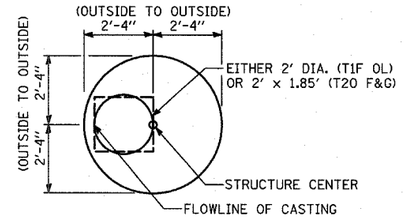
•ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

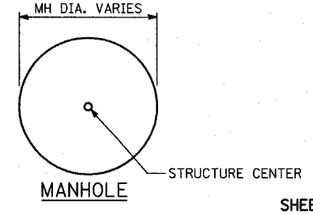
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

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

TY·LIN INTERNATIONAL