F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	1818 R-6	COOK	290	145
STA. 1313+00		TO STA. 1367+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

60B18

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							
475	1347+79.53	10.0 RT		A(7)	4′	T20 F&G	-1.97				-7.53
491	1349+91.33	10.0 RT		A(7)	4′	T20 F&G	-0.27				-6.27
492	1351+77.81	10.0 RT		A(7)	4′	T20 F&G	0.98				-4.46
493	1354+81.41	10.0 RT		A(7)	4′	T20 F&G	1.22				-4.52
516	1356+81.57	10.0 RT		A(7)	4′	T20 F&G	0.13				-6.34
517	1358+61.71	10.0 RT		A(7)	4′	T20 F&G	-1.71				-8.36
531	1360+79.63	10.0 RT		A(7)	4′	T20 F&G	-4.30				-10.15
532	1362+79.80	10.0 RT		A(7)	4′	T20 F&G	-6.68				-13.94
533	1362+79.46	80.0 LT		A	4′	T20 F&G	-7.21		-14.30		-14.30
534	1364+64.66	10.3 RT		A(7)	4′	T20 F&G	-8.90				-14.77
535	1364+64.80	80.0 LT		A	4′	T20 F&G	-9.38		-15.13		-15.13
551	1366+11.98	10.0 RT		A(7)	4′	T20 F&G	-9.79	-16.60			
552	1366+31.98	10.0 RT		A(7)	4′	T20 F&G	-9.79			-16.60	
553	1366+21.98	10.0 RT		A(7)	4′	T20 F&G	-9.79	-16.63		-16.63	-16.63
554	1366+12.32	85.0 LT		C	2′	T1F OL	-8.11	-14.55			

STORM SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE %	T.B. (CU.YD)
491	1349+91.33	1349+91.33	2	12	70	0.44	12.9
492	1351+77.81	1352+04.92	2	12	79	0.44	8.8
493	1354+81.41	1354+81.13	2	12	74	0.44	10.5
516	1356+81.57	1356+57.85	2	12	78	0.44	17.6
517	1358+61.71	1358+62.30	2	12	70	0.44	17.3
531	1360+79.63	1360+79.64	2	12	72	0.44	10.9
532	1362+79.80	1362+79.46	2	12	82	0.44	23.7
533	1362+79.46	1362+79.43	2	12	3	0.44	0.8
534	1364+64.66	1364+64.80	2	12	82	0.44	11.6
535	1364+64.80	1364+61.61	2	15	3	0.44	0.4
551	1366+11.98	1366+21.98	2	18	6	0.44	1.5
552	1366+31.98	1366+21.98	2	18	6	0.44	1.5
553	1366+21.98	1366+22.22	2	18	85	0.44	25.0
554	1366+12.32	1366+21.43	2	12	6	0.44	0.0

1

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″

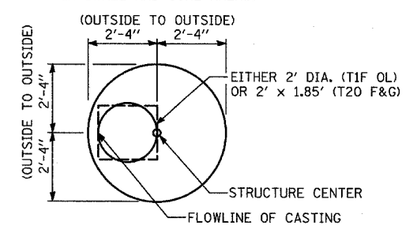
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

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)

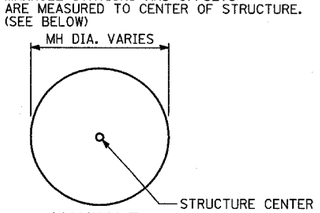
FLOWLINE OF CASTING IS LOCATED AT ℄ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

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



MANHOLE

SHEET 2 OF 2

REVISIONS	
NAME	DATE
1 ADDENDUM 1	05/08/06

ILLINOIS DEPARTMENT OF TRANSPORTATION

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

DRAINAGE STRUCTURE SCHEDULE

SCALE: NONE

DATE: MARCH 1, 2006

DRAWN BY: RD

CHECKED BY: DA

TY·LIN INTERNATIONAL