

DRAINAGE STRUCTURE SCHEDULE

STRUCT NO.	LOCATION		DESCRIPTION	RIM ELV.	INVERT ELEVATION			
	STA.	LT/RT (FT)			NORTH	SOUTH	EAST	WEST
1	1252+99		OUTLET AT RETAINING WALL	-	645.84			
1A	1252+99	0	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	653.66	646.16	645.84	646.48	647.25
1B	1252+99	66.7 RT	INLET BOX, STANDARD 542536	-		646.54		
2	1252+75	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	653.76	649.07	649.07	647.45	647.58
2A	1252+75	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	653.24		649.16		
2B	1252+75	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	653.24		649.16		
3	1251+60	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	654.19	649.53		648.6	648.79
3A	1251+60	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	653.67		649.59		
4	1250+35	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	654.67	650.01	650.01	650.00	
4A	1250+35	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	654.15		650.07		
4B	1250+35	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	654.15	650.07			
5	1253+85	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	653.34	648.68		647.1	646.89
5A	1253+85	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	652.82		648.74		
6	1254+90	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	652.94	648.28	648.28		648.15
6A	1254+90	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	652.42		648.34		
6B	1254+90	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	652.42	648.34			
7	1255+90	63.3 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		647.60		
7A	1255+90	9.0 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	652.04		647.96		
8A	1256+85	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.68		647.60		
8B	1256+85	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.68	647.60			
8	1256+85	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID		647.5	647.56	647.53	
9A	1257+98	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.32		647.24		
9B	1257+98	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.32	647.24			
9	1257+98	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	651.84	647.21	647.21	647.54	647.16
10A	1257+70	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.36		647.28		
10B	1257+70	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	651.88	647.22	646.94	647.04	646.96
10	1257+70	66.0 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"			646.58		
11	1258+26	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	651.88	647.72	647.72	647.91	647.66
11A	1258+26	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.36		647.78		
11B	1258+26	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.36	647.78			
12	1258+93	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	652.26	647.63		648.5	648.54
12A	1258+93	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.74		647.66		
13	1260+15	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	654.03	649.40	649.40		649.30
13A	1260+15	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	653.51		649.43		
13B	1260+15	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	653.51	649.43			
14	1254+50	65 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"			646.65		
14A	1254+50	56.5 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 10 FRAME AND GRATE	653.65	646.74			
15	1256+46	83.0 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"			647.60		
15A	1256+46	60.5 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 10 FRAME AND GRATE	653.31	647.82			

PIPE SCHEDULE

PIPE NO.	LENGTH (FT)	DESCRIPTION	SLOPE (%)	TBF CU YD
1A	57	STORM SEWERS, CLASS A, TYPE 2 36"	0.56	63
1B	49.2	STORM SEWERS, CLASS A, TYPE 2 36"	0.57	44
2	20	STORM SEWERS, CLASS A, TYPE 2 15"	1.00	10
2A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	6
2B	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
3	111	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	36
3A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
4	121	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	29
4A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
4B	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
5	82.5	STORM SEWERS, CLASS A, TYPE 2 15"	0.50	34
5A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
6	101	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	26
6A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
6B	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
7A	64.3	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	3
8A	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.67	2
8B	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.67	2
8	81	STORM SEWERS, CLASS A, TYPE 2 12"	0.70	15
9A	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	2
9B	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	2
9	24	STORM SEWERS, CLASS A, TYPE 2 15"	0.50	5
10A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
10B	58	STORM SEWERS, CLASS A, TYPE 2 15"	0.55	7
11	24	STORM SEWERS, CLASS A, TYPE 2 15"	0.50	4
11A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	1
11B	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	1
12	63	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	10
12A	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	2
13	118	STORM SEWERS, CLASS A, TYPE 2 12"	0.60	11
13A	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	2
13B	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	2
14A	3	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	
15A	16	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	

INVERT ELEVATIONS FOR CATCH BASINS, INLETS, AND MANHOLES ARE AT THE CENTER OF THE STRUCTURE. INVERTS OF FLARED END SECTIONS ARE AT THE DOWNSTREAM END. STATION AND OFFSET FOR STRUCTURES ALONG THE E.O.P. ARE AT THE E.O.P., FOR FLARED END SECTIONS AND HEADWALLS AT THE DOWNSTREAM END, AND FOR OTHER DRAINAGE STRUCTURES AT THE CENTER OF THE STRUCTURE.

RIM ELEVATIONS ARE AT THE E.O.P. FOR ALL STRUCTURES ALONG THE E.O.P. RIM ELEVATIONS ARE AT THE CENTER OF OF STRUCTURE FOR STRUCTURES NOT ALONG THE EDGE OF PAVEMENT. DRAINAGE STRUCTURES TYPE 4,5, & 6 (STANDARD 602106) SHALL HAVE A 34 INCH SUMP.

8/15/2012 12:21:11 AM

GRAEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 5/16/2012	CHECKED - RS	REVISED -
	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
DRAINAGE PLAN - IL RTE 31**

SHEET NO. -- (IL 31) STA. 124+00 TO STA. 140+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	138
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				