

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	102	56
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* 99(1&2)AC-R-2		CONTRACT NO. 60B97		

PROPOSED STRUCTURES

STRUCT. NO.	DESCRIPTION	BASELINE				INV. N	INV. S	INV. E	INV. W	PROP. RIM ELEV.	SHEET NO.	INLET PROTECTION
		STATION	OFFSET (FT)	DIR.								
11	PRC FLAR END SEC 18	5534+00.00	24.69	LT	--	--	592.07	--	--	51	Y	
12	PRC FLAR END SEC 18	5534+00.00	21.59	RT	--	--	--	592.16	--	51	Y	
114	INLETS TA T24F&G	5544+47.71	34.69	RT	--	--	--	589.62	592.55	53	Y	
127	MAN TA 4 DIA T1F CL	5544+20.86	23.58	RT	--	589.58	--	589.58	592.89	53	N	
135	MAN TA 5 DIA T1F CL	5544+21.54	22.14	LT	--	589.41	589.41	589.41	592.89	53	N	
158	PCBC 3X2	5544+41.69	-	-	--	--	--	589.58	589.30	53	Y	
197	PRCF END S EL EQRS 18	5532+12.91	18.48	RT	--	--	--	592.54	--	51	Y	
198	PRCF END S EL EQRS 18	5532+05.56	22.55	LT	--	--	592.43	--	--	51	Y	
199	PRCF END S EL EQRS 21	5523+94.36	22.01	RT	--	588.14	--	--	--	51	Y	
200	PRCF END S EL EQRS 21	5523+94.36	20.78	LT	588.09	--	--	--	--	51	Y	
228*	CATCH BASINS TB SPL-TYPE 7 GRATE	5516+10.84	42.00	RT	--	--	--	577.65	582.20	50	Y	
236	PRCF END S EL EQRS 18	5543+76.81	26.40	RT	589.96	--	--	--	--	52	Y	
237	PRCF END S EL EQRS 18	5543+76.81	26.49	LT	589.58	--	--	--	--	52	Y	
356	CB TA 4 DIA T24F&G	5544+50.17	33.73	LT	--	--	--	589.34	592.13	53	Y	
357	CB TA 4 DIA T8C	5511+00.00	25.40	LT	582.29	--	--	--	588.09	50	Y	
358	CB TA 4 DIA T8C	5513+19.61	26.50	LT	580.35	580.35	--	--	586.57	50	Y	
359	CB TA 4 DIA T8C	5516+10.84	28.00	LT	577.75	577.75	579.00	--	584.58	50	Y	
360	MAN TA 7 DIA T1F CL	5516+45.79	27.00	LT	--	577.48	576.90	576.69	585.07	50	N	

*NOTE: STRUCTURE 228, CATCH BASIN TB SPL, OUTLET TO BE PLACED ON 6'-0" SIDE OF CATCH BASIN.

PROPOSED PIPES/CULVERTS

PIPE/CULVERT NO.	DESCRIPTION	DIA. (IN.)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL (CY)	SHEET NO.	UP-STREAM STR.	UP-STREAM INV.	DOWN-STREAM STR.	DOWN-STREAM INV.
1010	P CUL 1 RCCP 18	18	46	0.20	23.5	51	12	592.16	11	592.07
1021	STORM SEW CL A 1 12	12	4	1.00	1.0	53	114	589.62	CIP	589.58
1023	P CUL 1 RC-E EQRS 18	18	22	0.50	4.0	53	135	589.41	CIP	589.30
1168	P CUL 1 RC-E EQRS 18	18	42	0.26	21.0	51	197	592.54	198	592.43
1169	P CUL 1 RC-E EQRS 21	21	42	0.12	10.5	51	199	588.14	200	588.09
1184	P CUL 1 RC-E EQRS 18	18	45	0.38	4.0	52	237	589.58	135	589.41
1185	P CUL 1 RC-E EQRS 18	18	42	0.69	4.0	52	236	589.96	127	589.58
1186	P CUL 1 RC-E EQRS 18	18	42	0.41	8.0	53	127	589.58	135	589.41
1270	STORM SEW CL A 1 12	12	4	1.00	1.0	53	356	589.34	CIP	589.30
1271	SS 2 RCP CL 3 18	18	216	0.90	0.0	50	357	582.29	358	580.35
1272	SS 2 RCP CL 3 18	18	288	0.90	0.0	50	358	580.35	359	577.75
1273	SS 2 RCP CL 3 18	18	30	0.90	0.0	50	359	577.75	360	577.48
1274	P CUL 3 RCCP 42	42	75	1.00	122.0	50	228	577.65	360	576.9

CULVERTS AT STA. 5523+94.36 (1169), 5532+05.56 (1168) AND 5534+00.00 (1010) ARE SHOWN ON CROSS SECTION SHEET 79 ONLY

NOTES:

- ALL INLETS TA MAY VARY FROM 16" TO 30" DEPTH, UNLESS SPECIFICALLY NOTED AS 16" DEEP BY (16D) CONTRACTOR SHALL VERIFY THE APPROPRIATE DEPTH REQUIRED.
- FOR OFFSETS AND RIM ELEVATION POINTS, SEE SHEET 59.
- REFER TO THE EROSION CONTROL PLANS FOR REQUIRED INLET PROTECTION.
- FOR CIP RC END SEC, SEE STRUCTURAL SHEETS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI 55 WEST FRONTAGE ROAD AT IL 59
 SECTION: 99(1&2)AC-R-2

**DRAINAGE SCHEDULE
 PROPOSED STRUCTURES
 PROPOSED PIPES**

SCALE: DRAWN BY: RB
 DATE: 3/22/2007 CHECKED BY: ACL

TENG
TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 305 N. MICHIGAN AVE. CHICAGO, IL 60611
 TEL: 312.281.0000

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