



PROPOSED DRAINAGE STRUCTURE SCHEDULE												
STRUCTURE NO.	TYPE	STATION	OFFSET	RIM ELEV. (W)	INVERT (ND)	INVERT (S)	INVERT (E)	INVERT (W)	FRAMES & GRATES	CONCRETE HEADWALL	HEADWALL GRATES (LBS)	REIN. BARS (LBS)
29	CB TY A 60" Ø, TY I FR & GR	153+00	43' RT	693.50		687.29	688.39		TY I FR & GR			
30	INLET TY A 24" Ø, TY 24 FR & GR	154+50	30' LT	693.05		688.42			TY 24 FR & GR			
31	CB TY A 48" Ø, TY 24 FR & GR	154+50	30' RT	693.05	687.82	687.72			TY 24 FR & GR			
32	CB TY A 60" Ø, TY I FR & GR	154+50	47' RT	692.50	687.61		686.31	686.41	TY I FR & GR			
33	INLET TY A 24" Ø, TY 24 FR & GR	156+45	30' LT	692.08	**	687.35			TY 24 FR & GR			
34	CB TY A 48" Ø, TY 24 FR & GR	156+50	30' RT	692.05	686.75	686.65			TY 24 FR & GR			
35	CB TY A 60" Ø, TY I FR & GR	156+50	57' RT	690.08	686.43	FIELD	685.23	685.33	TY I FR & GR			
36	SOUTH HEADWALL FOR CULVERT #1	157+00	52.7' RT		684.99		685.00					
41	NORTH HEADWALL FOR CULVERT #1	156+45	49' LT			685.30						
42	INLET TY A 24" Ø, TY 24 FR & GR	157+50	30' LT	691.55		688.14			TY 24 FR & GR			
43	CB TY A 48" Ø, TY 24 FR & GR	157+50	30' RT	691.55	687.54	687.44			TY 24 FR & GR			
44	INLET TY A 24" Ø, TY 24 FR & GR	158+75	30' LT	690.93		687.44			TY 24 FR & GR			
45	CB TY A 48" Ø, TY 24 FR & GR	158+75	30' RT	690.93	686.84	686.44	686.84		TY 24 FR & GR			
46	INLET TY A 24" Ø, TY 24 FR & GR	159+70	32' LT	690.36	**	686.88			TY 24 FR & GR			
47	CB TY A 60" Ø, TY 24 FR & GR	159+90	32' RT	690.26	686.24	685.44	685.84		TY 24 FR & GR			
48	CB TY B, TY 7 FR & GR	159+85	56' LT	689.86		686.07	**		TY 7 FR & GR			
49	MH TY A 60" Ø, TY I FR & CL	160+16	32' RT	690.18	685.11	685.01			TY I FR & CL			
50	SOUTH HEADWALL FOR CULVERT #3	160+20	49' RT		684.83							
51	INLET TY A 24" Ø, TY 24 FR & GR	161+40	32' LT	689.84		686.58			TY 24 FR & GR			
52	CB TY A 48" Ø, TY 24 FR & GR	161+50	32' LT	689.83		686.45	686.55		TY 24 FR & GR			
53	CB TY A 48" Ø, TY 24 FR & GR	161+60	32' LT	689.84		686.32	686.42		TY 24 FR & GR			
54	CB TY A 48" Ø, TY 24 FR & GR	162+47	32' LT	690.26	685.55		685.95		TY 24 FR & GR			
55	INLET TY A 24" Ø, TY 24 FR & GR	161+40	32' RT	689.84		686.35			TY 24 FR & GR			
56	CB TY A 48" Ø, TY 24 FR & GR	161+50	32' RT	689.83		686.22	686.32		TY 24 FR & GR			
57	CB TY A 48" Ø, TY 24 FR & GR	161+60	32' RT	689.84		686.09	686.19		TY 24 FR & GR			
58	CB TY A 48" Ø, TY 24 FR & GR	162+58	32' RT	690.28		685.27	685.67		TY 24 FR & GR			
59	RETAINING WALL	162+48	52' LT			685.50						
60	SPECIAL STRUCTURE (BY OTHERS)	162+74	62.8' RT		685.25	683.39	685.00					
61	INLET TY A 24" Ø, TY 24 FR & GR	163+75	32' LT	691.89		687.15			TY 24 FR & GR			
62	CB TY A 48" Ø, TY 24 FR & GR	163+75	32' RT	691.89	686.51	686.41			TY 24 FR & GR			
63	CB TY A 60" Ø, TY I FR & GR	163+75	50' RT	690.46	686.26	685.85	685.46		TY I FR & GR			

PROPOSED DRAINAGE PIPE SCHEDULE										
PIPE NO.	STRUCTURE FROM	STRUCTURE TO	SIZE	LENGTH	SLOPE	TYPE	TRENCH BACKFILL (CU. YD.)			
26	28	29	30	96	0.50%	SS CL A, TY 2, 30"	11.6			
27	29	32	30	147	0.60%	SS CL A, TY 2, 30"	11.2			
28	30	31	12	60	1.00%	SS CL A, TY 2, 12"	24.4			
29	31	32	12	11	1.00%	SS CL A, TY 2, 12"	2.4			
30	32	35	30	196	0.50%	SS CL A, TY 2, 30"	15.3			
31	33	34	12	60	1.00%	SS CL A, TY 2, 12"	25.4			
32	34	35	12	22	1.00%	SS CL A, TY 2, 12"	2.8			
33	35	36	30	45	0.50%	SS CL A, TY 2, 30"	15.5			
37	41	36	10' X 4.5' BOX	112	0.28%	10' X 4.5' RC BOX	28.0			
38	42	43	12	60	1.00%	SS CL A, TY 1, 12"	11.7			
39	43	45	12	120	0.50%	SS CL A, TY 1, 12"	23.3			
40	44	45	12	60	1.00%	SS CL A, TY 1, 12"	11.0			
41	45	47	18	120	0.50%	SS CL A, TY 1, 18"	26.2			
42	46	47	12	64	1.00%	SS CL A, TY 1, 12"	11.8			
43	47	49	24	15	0.20%	SS CL A, TY 1, 24"	6.0			
44A	48	49	30	92	1.04%	PIPE CULVERT CL A, TY 2, 30"	14.3			
44B	49	50	30	18	1.00%	PIPE CULVERT CL A, TY 2, 30"	0.3			
45	51	52	12	7	0.45%	SS CL A, TY 1, 12"	0.4			
46	52	53	12	7	0.45%	SS CL A, TY 1, 12"	0.5			
47	53	54	12	83	0.45%	SS CL A, TY 1, 12"	7.4			
48	54	59	18	17	0.25%	SS CL A, TY 2, 18"	8.5			
49	55	56	12	7	0.45%	SS CL A, TY 1, 12"	0.7			
50	56	57	12	7	0.45%	SS CL A, TY 1, 12"	0.8			
51	57	58	12	94	0.45%	SS CL A, TY 1, 12"	14.3			
52	58	60	18	10	0.25%	SS CL A, TY 2, 18"	5.7			
53	59	60	(2) 53" X 34"	117	0.83%		195.4			
54	63	60	24	97	0.50%	SS CL A, TY 2, 24"	17.2			
55	61	62	12	64	1.00%	SS CL A, TY 2, 12"	28.1			
56	62	63	12	15	1.00%	SS CL A, TY 2, 12"	3.2			
57	66	63	18	151	2.00%	SS CL A, TY 2, 18"	0.0			

- 1. THE STATION AND OFFSET FOR STRUCTURE NUMBER 36 ARE GIVEN AT THE INVERT OF PIPE NUMBER 33. THE STATION AND OFFSET FOR THE SOUTH INVERT OF CULVERT NUMBER 1 IS 157+03, 46.1' RT
- 2. THE STATION AND OFFSET FOR STRUCTURE NUMBER 41 ARE GIVEN AT THE NORTH INVERT OF CULVERT NUMBER 1
- 3. THE STATION AND OFFSET FOR STRUCTURE NUMBER 59 ARE GIVEN AT THE INVERT OF PIPE NUMBER 48
- 4. THE STATION AND OFFSET FOR STRUCTURE NUMBER 60 ARE GIVEN AT THE SOUTH INVERT OF PIPE NUMBER 52
- 5. "FIELD" NOTATION IN SCHEDULE REFERS TO EXISTING FIELD TILE CONNECTION TO PROPOSED DRAINAGE STRUCTURE. TIE-IN INVERT ELEVATION OF EXISTING FIELD TILE SHALL BE DETERMINED IN THE FIELD.
- 6. ** SEE EROSION CONTROL SHEETS FOR INVERT AND PIPE ELEVATIONS FOR TEMPORARY DRAINAGE TIES INTO PROPOSED STRUCTURES.

RETAINING WALL STRUCTURE					
STATION	OFFSET	RIM ELEV.	INVERT (ND)	INVERT (S)	INVERT (W)
162+53	52' LT		684.60		
162+59	52' LT		684.60		

EXISTING DRAINAGE JUNCTION CHAMBER STRUCTURE					
STATION	OFFSET	RIM ELEV.	INVERT (ND)	INVERT (S)	INVERT (W)
162+93	64' RT		683.60		685.00
162+75	62' RT		683.60		
162+85	61' RT		683.60		



USER NAME = Monica Crinion
 DESIGNED - SJP
 DRAWN - SJP
 CHECKED - KON
 DATE - 07/15/09

REVISED -
 REVISED -
 REVISED -
 REVISED -



PROPOSED DRAINAGE PLAN
 SCALE: 1"=50' SHEET NO. 3 OF 10 SHEETS STA. 152+00 TO STA. 164+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1016	02-00110-12-WR	LAKE	206	71
CONTRACT NO. 63209				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				