PROPOSED DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	TYPE	STATION	OFFSET	RIM ELEV.	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)	FRAMES & GRATES
1	SP INLET, TYPE 1	34+33	24.2' RT	715.11			706.81	•••	
2	MH TY A 5' Ø, TY 1 CLOSED LID	34+77	26.2' RT	713.23		709.80	706.11	706.21	TY 1 FR & CL
3	SP INLET, TYPE 1	35+05	24.2' RT	712.66	708.18		705.67	705.77	
4	SP INLET, TYPE 2	35+05	24.2' LT	712.66		708.66			
5	SP INLET, TYPE 1	36+40	24.2' RT	709.70	705.22		703.30	703.70	
6	SP INLET, TYPE 2	36+40	24.2' LT	709.72		705.72			
7	MH TY A 6' Ø, TY 1 CLOSED LID	37+15	29.5' RT	709.00		702.71	704.49	702.81	TY 1 FR & CL
8	SP INLET, TYPE 2	36+98	46.2' RT	708.61	704.62			704.72	
9	SP INLET, TYPE 2	36+57	44.6' RT	708.66			705.00		
10	SP INLET, TYPE 1	37+44	26.2' RT	708.84	702.44			702.54	
11	SP INLET, TYPE 1	37+44	26.2' LT	708.84		702.08	701.98		
12	SP INLET, TYPE 1	40+15	26.2' LT	709.45		703.93	700.01	700.11	
13	SP INLET, TYPE 2	40+15	26.2' RT	709.45	704.09				
14	SP INLET, TYPE 1	41+27	26.2' LT	707.54	699.16	702.02	700.36	699.26	
15	SP INLET, TYPE 1	41+27	26.2' RT	707.54	702.54				
16	SP INLET, TYPE 2	42+50	26.2' LT	709.41		703.90	704.00	703.90	
17	SP INLET, TYPE 2	42+50	26.2' RT	709.41	704.41				
18	SP INLET, TYPE 2	44+20	26.2' LT	714.01		708.30		708.15	
19	SP INLET, TYPE 2	44+20	26.2' RT	714.01	708.82		708.92		
20	SP INLET, TYPE 2	45+90	26.2' RT	718.69	713.17			713.07	
21	SP INLET, TYPE 2	45+90	26.2' LT	718.69		713.69			
22	42" F.E.S. WITH GRATE	41+46	189.4' LT			698.5			
23	DS-12 SCUPPER	47+47	24.0' LT						
23A	DS-12 SCUPPER	47+47	31.0' LT						
24	DS-12 SCUPPER	47+47	24.0' RT						
24A	DS-12 SCUPPER	47+47	38.0' RT						
25	DS-12 SCUPPER	48+40	24.0' LT						
26	DS-12 SCUPPER	48+40	24.0' RT						
27	DS-12 SCUPPER	49+85	24.0' LT						
27A	DS-12 SCUPPER	49+85	31.0' LT						
28	DS-12 SCUPPER	49+85	24.0' RT						
28A	DS-12 SCUPPER	49+85	38.0' RT						
29	DS-12 SCUPPER	51+30	24.0' LT						
30	DS-12 SCUPPER	51+30	24.0' RT						
31	MH TY A 4' Ø, TY 3 FR & GR	52+84	24.0' LT	737.39	733.80	733.70			TY 3 FR & GR
32	MH TY A 4' Ø, TY 3 FR & GR	52+97	24.0' RT	737.78	733.25		733.15		TY 3 FR & GR
33	MH TY A 4' Ø, TY B LID	52+69	41.0' LT	737.50		734.00		734.37	TY B GR
33A	INLET TY A	52+53	46.0' LT	738.00	736.85		734.50		TY B GR
34	SP INLET, TYPE 1	53+75	26.2' LT	740.97		735.97			
35	SP INLET, TYPE 1	53+75	26.2' RT	740.97	735.45	724.60	735.50	732.42	
36	MH TY A 5' Ø, TY 1 OPEN LID	53+70	70.0' RT	730.50	724.00			714.18	TY 1 FR & GR
37	MH TY A 5' Ø, TY 1 CLOSED LID	52+26	100.0' RT	718.00			712.00	703.66	TY 1 FR & CL
38	24" F.E.S. WITH GRATE	51+77	110.0' RT				703.00		
39	SP INLET, TYPE 1	55+50	26.2' RT	746.13	740.61		739.82	738.08	
40	SP INLET, TYPE 1	55+50	26.2' LT	746.13		741.13			
41	SP INLET, TYPE 1	57+10	28.5' RT	747.95	742.39		741.52	741.42	
42	SP INLET, TYPE 1	57+10	30.6' LT	747.98		742.98			
43	SP INLET, TYPE 2	58+40	48.2' RT	748.58	742.27			742.17	
44	SP INLET, TYPE 2	58+50	20.1' RT	749.59	742.44	742.34	744.68		
45	SP INLET, TYPE 2	59+21	24.1' RT	750.23		745.12		745.02	
47	SP INLET, TYPE 2	3+11	22.1' LT	749.76			745.44	745.34	
48	SP INLET, TYPE 2	3+08	24.8' RT	749.67				745.67	
49	SP INLET, TYPE 2	58+75	35.8' LT	749.78		742.63	742.78		
50	SP INLET, TYPE 2	59+22	37.4' LT	749.96			743.01	742.91	

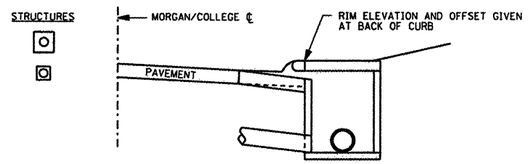
•••TO BE PROVIDED BY IDOT

PROPOSED DRAINAGE PIPE SCHEDULE

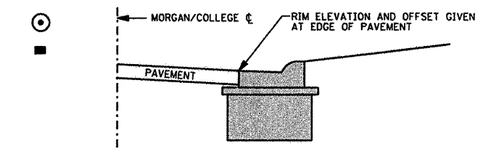
PIPE NO.	STRUCTURE FROM	STRUCTURE TO	SIZE	LENGTH	SLOPE	TYPE	TRENCH BACKFILL (CU YD)
1	1	2	30	40	1.50%	SS CL A, TY 2, 30"	34.57
2	EXIST.	2	12	8	EXIST.	SS CL A, TY 1, 12"	1.05
3	2	3	30	23	1.50%	SS CL A, TY 2, 30"	16.25
4	4	3	12	48	1.00%	SS, RG, CL A, TY 2, 12"	19.56
5	3	5	30	131	1.50%	SS CL A, TY 2, 30"	77.81
6	6	5	12	48	1.00%	SS, RG, CL A, TY 2, 12"	19.56
7	5	7	36	70	0.70%	SS, RG, CL A, TY 2, 36"	29.52
8	8	7	12	18	0.70%	SS, RG, CL A, TY 2, 12"	2.56
8A	9	8	12	40	0.70%	SS, RG, CL A, TY 2, 12"	5.26
9	7	10	36	24	0.70%	SS CL A, TY 2, 36"	10.12
10	10	11	36	52	0.70%	SS, RG, CL A, TY 2, 36"	28.35
11	11	12	36	266	0.70%	SS CL A, TY 2, 36"	342.06
12	13	12	12	52	1.00%	SS, RG, CL A, TY 2, 12"	21.19
13	12	14	36	107	0.70%	SS, RG, CL A, TY 2, 36"	124.39
14	15	14	12	52	1.00%	SS CL A, TY 2, 12"	21.19
15	14	22	42	155	0.40%	SS CL A, TY 2, 42"	0.00
16	16	14	12	118	3.00%	SS CL A, TY 2, 12"	83.90
17	17	16	12	52	1.00%	SS CL A, TY 2, 12"	21.19
18	18	16	12	166	2.50%	SS CL A, TY 2, 12"	75.63
19	19	18	12	52	1.00%	SS CL A, TY 2, 12"	21.19
20	20	19	12	166	2.50%	SS CL A, TY 2, 12"	75.63
21	21	20	12	52	1.00%	SS CL A, TY 2, 12"	21.19
22	33A	33	12	13	1.00%	SS CL A, TY 1, 12"	0.00
22A	33	31	18	19	1.00%	SS CL A, TY 2, 18"	6.71
22B	31	32	18	45	1.00%	SS CL A, TY 2, 18"	7.56
22C	32	35	18	73	1.00%	SS CL A, TY 2, 18"	52.60
23	34	35	12	52	1.00%	SS CL A, TY 2, 12"	21.19
24	35	36	24	40	1.50%	SS CL A, TY 2, 24"	24.39
25	36	37	24	145	1.50%	SS CL A, TY 2, 24"	0.00
26	37	38	24	44	1.50%	SS CL A, TY 2, 24"	0.00
27	39	35	24	172	1.50%	SS CL A, TY 2, 24"	159.55
28	40	39	12	52	1.00%	SS CL A, TY 2, 12"	21.19
29	41	39	24	160	1.00%	SS CL A, TY 2, 24"	132.12
30	42	41	12	59	1.00%	SS CL A, TY 2, 12"	24.04
31	43	41	24	129	0.50%	SS CL A, TY 2, 24"	132.08
32	44	43	24	26	0.30%	SS CL A, TY 2, 24"	16.17
33	45	44	12	67	0.50%	SS, RG, CL A, TY 2, 12"	57.41
35	47	45	12	43	0.50%	SS CL A, TY 2, 12"	0.00
36	48	47	12	47	0.50%	SS CL A, TY 2, 12"	19.15
37	49	44	24	62	0.30%	SS CL A, TY 2, 24"	28.61
38	50	49	24	43	0.30%	SS, RG, CL A, TY 2, 24"	49.23
39	52	50	24	67	0.30%	SS, RG, CL A, TY 2, 24"	54.30
41	53	52	12	48	0.50%	SS CL A, TY 2, 12"	29.57
42	54	53	12	47	0.50%	SS, RG, CL A, TY 2, 12"	6.86
43	55	54	12	38	0.50%	SS, RG, CL A, TY 2, 12"	10.10
44	56	55	12	46	0.50%	SS CL A, TY 2, 12"	21.70
45	57	52	24	140	0.20%	SS CL A, TY 2, 24"	72.83
46	58	57	12	43	1.00%	SS CL A, TY 2, 12"	19.59
47	59	57	12	145	0.70%	SS CL A, TY 2, 12"	77.70
48	60	59	12	36	1.00%	SS CL A, TY 2, 12"	16.40
49	EXIST.	59	12	41	EXIST.	SS CL A, TY 2, 12"	31.84
50	61	62	12	45	0.50%	SS, RG, CL A, TY 1, 12"	4.98

DRAINAGE STRUCTURES (EDGE OF PAVEMENT)

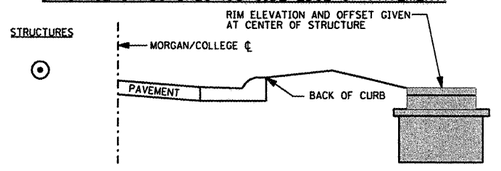
SPECIAL INLET TYPE 1 & 2

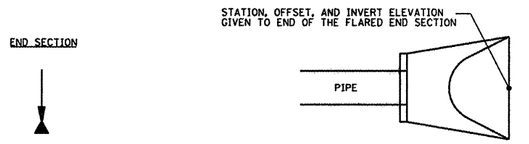


STANDARD INLET TYPE 700 & MANHOLES



DRAINAGE STRUCTURES (OUTSIDE EDGE OF PAVEMENT)





LEGEND

- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING ELECTRICAL
- EXISTING EXISTING FIBER OPTICS
- EXISTING GAS LINE
- EXISTING AERIAL ELECTRICAL
- EXISTING STORM SEWER INLET
- EXISTING EXISTING MANHOLE
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER STRUCTURE
- PROPOSED STORM SEWER PIPE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED STORM SEWER CURB OPEN INLET
- PROPOSED STORM SEWER STD. INLET TY 700
- TIE-IN TO STRUCTURE/PIPE

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CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-000613

USER NAME = Steve Prange	DESIGNED - SJP / MNB	REVISED -	
	DRAWN - ERD	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - SJP	REVISED -	
PLOT DATE = 02/04/11	DATE - 02/04/2011	REVISED -	

CITY OF ROCKFORD
MORGAN STREET BRIDGE

PROPOSED DRAINAGE PLAN & PROFILE
MORGAN STREET /COLLEGE AVENUE

SCALE: N/A | SHEET NO. 10 OF 11 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5077	99-00493-00-BR	WINNEBAGO	253	51
		CONTRACT NO. 85529		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT BRM-5099(65)		