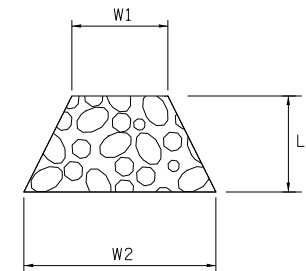


SCHEDULE OF STORM SEWERS

PIPE NO.	FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 2, 12	SS CL A 3, 12	SS CL A 4, 12	TRENCH BACKFILL (CU. YD.)
1	2	54	24.2	15	0.28%		24.2				0.0
2	3	2	13.7	15	0.28%		13.7				0.0
3	4	3	14.7	15	0.28%		14.7				0.0
4	5	4	28.5	15	0.28%		28.5				0.0
5	6	5	82.0	12	0.37%	82.0					0.0
6	7	5	31.2	12	1.00%	31.2					0.0
7	9	1	95.0	12	0.15%	95.0					0.0
8	10	9	13.8	12	0.37%	13.8					0.0
9	11	3	60.7	12	0.37%	60.7					0.0
10	12	11	18.2	12	0.37%	18.2					0.0
11	13	12	71.0	12	0.37%	71.0					0.0
12	15	14	31.3	12	1.00%			31.3			5.6
13	16	15	61.0	12	0.37%	61.0					1.1
14	18	17	8.0	12	0.37%	8.0					0.0
15	20	19	11.9	12	1.00%			11.9			1.6
16	21	20	30.7	12	0.37%			30.7			9.4
17	22	21	26.1	12	0.37%			26.1			8.6
18	24	23	27.7	12	1.00%	27.7					4.5
19	26	25	24.6	12	1.00%	24.6					2.3
20	C&G out	27	2.0	12	1.00%	2.0					0.0
21	29	28	48.3	12	0.50%				48.3		0.0
22	30	29	63.5	12	0.37%			63.5			9.5
23	32	31	43.1	12	0.50%				43.1		0.0
24	33	32	49.6	12	0.37%			49.6			31.5
25	34	33	27.8	12	0.37%			27.8			21.1
26	35	34	100.4	12	0.37%	100.4					23.0
27	36	35	31.4	12	0.37%	31.4					3.2
28	37	33	23.4	12	0.37%			23.4			15.2
29	38	37	27.8	12	0.37%			27.8			17.4
30	46	45	36.5	12	1.00%			36.5			9.2
31	48	47	36.1	12	1.00%			36.1			7.7
32	49	48	60.5	12	0.37%	60.5					5.9
33	51	50	19.7	12	1.00%	19.7					1.3
34			NOT USED								
35	1	54	7.0	12	0.37%	7.0					0.0
36	57	56	45.8	12	6.00%	45.8					0.0
37	58	57	15.0	12	0.37%	15.0					1.3
38	60	59	47.6	12	6.00%			47.6			12.1
39			NOT USED								
40	63	2	10.0	12	1.00%	10.0					0.0
TOTALS						785.3	81.0	412.3	43.1	48.3	191.6

SCHEDULE OF STONE RIPRAP

ADJACENT STR. NO.	LOCATION	STATION	OFFSET	W1 (FT)	W2 (FT)	L (FT)	AREA (SQ YD)	NOTES
14	RUSSELL RD	4+00.00	63.40' RT	3.0	3.0	10.0	3.33	
19	RAMP C	58+67.49	63.13' RT	3.0	11.0	10.0	7.78	
23	RUSSELL RD	6+39.50	59.80' RT	3.0	11.0	10.0	7.78	
25	RUSSELL RD	9+00.00	65.12' RT	3.0	11.0	10.0	7.78	
27	RUSSELL RD	11+18.91	43.72' LT	3.0	11.0	10.0	7.78	
28	RAMP B	31+22.99	75.54' LT	6.0	6.0	13.6	9.08	AT SLOPE
				6.0	11.0	10.0	9.44	AT TOE OF SLOPE
31	RAMP A	61+70.08	63.57' LT	6.0	6.0	13.8	9.23	AT SLOPE
				6.0	11.0	10.0	9.44	AT TOE OF SLOPE
39	RUSSELL RD	16+03.44	147.02' RT	12.0	32.0	28.0	68.44	
40	RUSSELL RD	16+02.20	125.28' LT	12.0	12.0	12.0	16.00	
41	RAMP B	31+92.61	77.23' LT	9.0	27.0	24.0	48.00	
45	RUSSELL RD	23+00.00	64.52' RT	3.0	3.0	10.0	3.33	
47	RUSSELL RD	23+80.00	60.38' RT	3.0	3.0	11.5	3.84	
50	RUSSELL RD	28+10.00	41.00' RT	3.0	3.0	6.8	2.27	
56	RAMP A	61+48.30	71.93' RT	6.0	6.0	12.0	8.02	AT SLOPE
				6.0	13.0	12.0	12.67	AT TOE OF SLOPE
59	RUSSELL RD	19+24.52	64.15' RT	6.0	6.0	12.0	8.02	
				6.0	13.0	12.0	12.67	
	FRONTAGE RD	78+97.48	12.96' LT	4.0	4.0	4.0	1.78	
RET. WALL	RUSSELL RD	21+34.96	76.38' RT	5.0	5.0	5.0	2.78	
RET. WALL	FRONTAGE RD	76+75.00	34.09' RT	5.0	5.0	5.0	2.78	
WING WALL	RUSSELL RD	11+00.00	80.43' RT	3.0	3.0	5.0	1.67	
WING WALL	RUSSELL RD	11+38.69	73.98' LT	3.0	3.0	5.0	1.67	
WING WALL	RUSSELL RD	15+28.75	63.23' LT	3.0	3.0	5.0	1.67	
WING WALL	RUSSELL RD	15+53.75	85.92' RT	3.0	3.0	5.0	1.67	
TOTAL							268.90	



STONE RIPRAP APRON

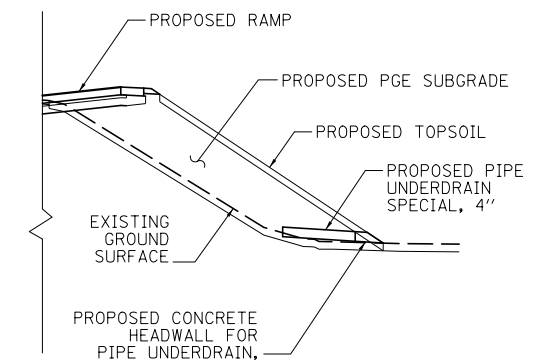
SCHEDULE OF PIPE UNDERDRAIN OUTFALLS

LOCATION	STATION**	OFFSET	PIPE UND. SPECIAL 4" (FT)	CONC. HW FOR PIPE UND. (EA)	TIE INTO STR. NO.
RUSSELL RD	0+52.00	LT	0	0	1
RUSSELL RD	0+52.00	RT	0	0	9
RUSSELL RD	0+66.00	LT	0	0	2
RUSSELL RD	0+83.00	RT	0	0	11
RUSSELL RD	3+60.00	LT	0	0	17
RUSSELL RD	3+35.00	RT	0	0	16
RUSSELL RD	6+25.00	LT	20	1	-
RUSSELL RD	6+39.50	RT	0	0	24
RUSSELL RD	9+50.00	LT	25	1	-
RUSSELL RD	9+00.00	RT	0	0	26
RUSSELL RD	17+22.00	LT	0	0	30
RUSSELL RD	17+21.00	RT	0	0	34
RUSSELL RD	19+00.00	LT	20	1	-
RUSSELL RD	19+00.00	RT	35	1	-
RUSSELL RD	22+00.00	LT	25	1	-
RUSSELL RD	22+00.00	RT	40	1	-
RUSSELL RD	24+44.52	LT	25	1	-
RUSSELL RD	24+44.52	RT	0	0	49
RUSSELL RD	27+00.00	LT	25	1	-
RUSSELL RD	27+50.00	RT	35	1	-
RUSSELL RD	29+10.00	LT	25	1	-
RUSSELL RD	29+10.00	RT	35	1	-
RAMP A	54+00.00	RT	55	1	-
RAMP A	57+00.00	RT	70	1	-
RAMP A	60+00.00	LT	35	1	-
RAMP A	61+89.00	LT	0	0	32
RAMP A	61+48.00	RT	0	0	57
RAMP B	34+00.00	LT	20	1	-
RAMP B	37+00.00	LT	25	1	-
RAMP C	54+00.00	RT	25	1	-
RAMP C	56+50.00	RT	20	1	-
RAMP C	58+50.00	LT	20	1	-
RAMP C	58+50.00	RT	25	1	-
SUB-TOTAL			605	20	

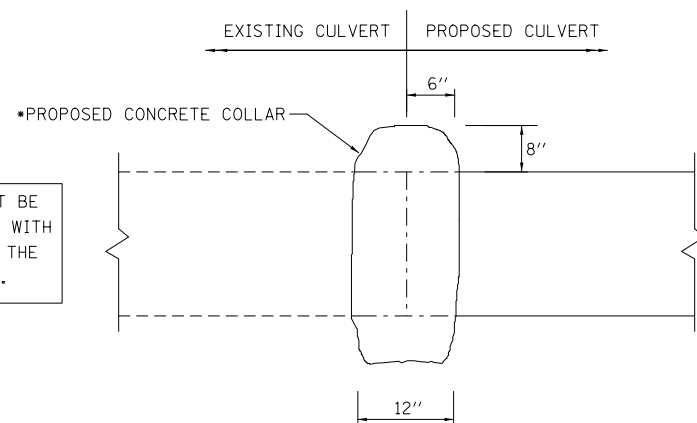
PIPE UNDERDRAIN SCHEDULE FOR RAMP PGE SUBGRADE DRAINAGE

LOCATION	STATION	OFFSET	PIPE UND. SPECIAL 4" (FT)	CONC. HW FOR PIPE UND. (EA)
RAMP A	60+00.00	RT	35	1
RAMP A	62+00.00	LT	25	1
RAMP B	32+00.00	RT	15	1
RAMP B	32+00.00	LT	25	1
SUB-TOTAL			100	4

TOTAL	PIPE UND. SPECIAL 4" (FT)	CONC. HW FOR PIPE UND. (EA)
TOTAL	705	24



RAMP PGE SUBGRADE DRAINAGE DETAIL N.T.S.



CULVERT EXTENSION CONNECTION DETAIL N.T.S.

* THE PROPOSED CONCRETE COLLAR WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED WITH THE COST OF PROPOSED PIPE CULVERT OF THE CLASS AND TYPE SPECIFIED ON THE PLANS.

**THESE LOCATIONS MAY BE ADJUSTED FOR FIELD INSTALLATION, AS APPROVED BY THE ENGINEER.

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com

FILE NAME = #FILES#	USER NAME = default	DESIGNED - JAM	REVISED -
		DRAWN - JAM	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - RGR	REVISED -
	PLOT DATE = 3/7/2012	DATE - 03/09/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	49-1(HB & HB-1R)	LAKE	225	55
CONTRACT NO. 60L76				
ILLINOIS FED. AID PROJECT				

S:\1101\95-CADD\60L76-Russell Rd\60L76-Sheets\0160L76-shr-schedule.dwg