

Attachment 4
BMP Storage Volume Summaries

West Branch DuPage River Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
1a	D-1	0.00					2	0.20	0.00	400	6	2	0.20	0.02	0.02
1b							2	0.20	0.00		6	2	0.20	0.00	0.00
1c	D1-N (BASIN)	0.08			IA004	0	2	0.20	0.00	688	6	2	0.20	0.04	0.12
1d							2	0.20	0.00		6	2	0.20	0.00	0.00
2a							2	0.20	0.00		6	2	0.20	0.00	0.00
2b	D1-S (BASIN)	0.08			IA005	0	2	0.20	0.00	581	6	2	0.20	0.03	0.11
2c	D1-W (BASIN)	0.08			IA001, IA002	0	2	0.20	0.00	628	6	2	0.20	0.03	0.11
2d							2	0.20	0.00		6	2	0.20	0.00	0.00
3							2	0.20	0.00	526	6	2	0.20	0.03	0.03
4a							2	0.20	0.00		6	2	0.20	0.00	0.00
4b					IA003	33351	2	0.20	0.31		6	2	0.20	0.00	0.31
4c							2	0.20	0.00		6	2	0.20	0.00	0.00
4d							2	0.20	0.00		6	2	0.20	0.00	0.00
Total		0.24		0.00		33,351			0.31	2,823				0.16	0.70
New Impervious Area, acres (per CBBEL)															6.05
Required Storage Volume, acre-ft (based on 1.25" rainfall)															0.63

Note: Highlighted cells indicate those BMPs for a given subarea which have been modified from preliminary design. These modifications may include reductions or additions in provided storage volume or complete addition or removal of the BMP from the subarea. Additionally, when a rock basin is noted as "BASIN" it has been provided with the minimum water quality storage volume of 0.08 acre-ft.

Spring Brook Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
5							2	0.20	0.00		6	2	0.20	0.00	0.00
6					IA006	0	2	0.20	0.00	1,808	12	2	0.20	0.20	0.20
7							2	0.20	0.00		6	2	0.20	0.00	0.00
8			D-2 (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
9							2	0.20	0.00		6	2	0.20	0.00	0.00
10					IA007	0	2	0.20	0.00	737	12	2	0.20	0.08	0.08
11							2	0.20	0.00		6	2	0.20	0.00	0.00
12					IA008	0	2	0.20	0.00	1,599	12	2	0.20	0.18	0.18
13							2	0.20	0.00		6	2	0.20	0.00	0.00
Total		0.00		0.08		0			0.00	4,144				0.46	0.54
New Impervious Area (per CBBEL)															4.57
Required Storage Volume, acre-ft (based on 1.25" rainfall)															0.48

Note: Highlighted cells indicate those BMPs for a given subarea which have been modified from preliminary design. These modifications may include reductions or additions in provided storage volume or complete addition or removal of the BMP from the subarea. Additionally, when a rock basin is noted as "BASIN" it has been provided with the minimum water quality storage volume of 0.08 acre-ft.

Meacham Creek Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
14							2	0.20	0.00		6	2	0.20	0.00	0.00
15					IA009; IA010; IA011	16871	2	0.20	0.15	1,720	6	2	0.20	0.09	0.25
16							2	0.20	0.00		6	2	0.20	0.00	0.00
17a					IA013	61655	2	0.20	0.57	2,280	6	2	0.20	0.13	0.69
17b							2	0.20	0.00		6	2	0.20	0.00	0.00
18					IA012	55951	2	0.20	0.51	0	6	2	0.20	0.00	0.51
19a							2	0.20	0.00		6	2	0.20	0.00	0.00
19b							2	0.20	0.00	3,301	6	2	0.20	0.18	0.18
20	D3-W	0.30					2	0.20	0.00		6	2	0.20	0.00	0.30
21							2	0.20	0.00	105	6	2	0.20	0.01	0.01
22							2	0.20	0.00		6	2	0.20	0.00	0.00
23							2	0.20	0.00		6	2	0.20	0.00	0.00
24					IA014	19625	2	0.20	0.18	722	6	2	0.20	0.04	0.22
25a							2	0.20	0.00		6	2	0.20	0.00	0.00
25b					IA015	67128	2	0.20	0.62	0	6	2	0.20	0.00	0.62
26							2	0.20	0.00	990	6	2	0.20	0.05	0.05
27	D3-E	0.30					2	0.20	0.00	292	6	2	0.20	0.02	0.32
28							2	0.20	0.00	1,001	6	2	0.20	0.06	0.06

Total		0.60		0.00		221,230			2.03	10,412				0.57	3.21
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New Impervious Area (per CBBEL)															28.57
Required Storage Volume, acre-ft (based on 1.25" rainfall)															2.98

Note: Highlighted cells indicate those BMPs for a given subarea which have been modified from preliminary design. These modifications may include reductions or additions in provided storage volume or complete addition or removal of the BMP from the subarea. Additionally, when a rock basin is noted as "BASIN" it has been provided with the minimum water quality storage volume of 0.08 acre-ft.

Salt Creek Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
29							2	0.2	0.00		6	2	0.2	0.00	0.00
30							2	0.2	0.00		6	2	0.2	0.00	0.00
31							2	0.2	0.00		6	2	0.2	0.00	0.00
32							2	0.2	0.00	1,043	6	2	0.2	0.06	0.06
33							2	0.2	0.00		6	2	0.2	0.00	0.00
34							2	0.2	0.00		6	2	0.2	0.00	0.00
35	D6-N (BASIN), D6-NW (BASIN)	0.016					2	0.2	0.00	0	6	2	0.2	0.00	0.02
36	D6-W, D6-C (BASIN)	0.68					2	0.2	0.00	26	6	2	0.2	0.00	0.68
37					IA016, IA017, IA018, IA020	201606	2	0.2	1.85	3,986	6	2	0.2	0.22	2.07
38							2	0.2	0.00		6	2	0.2	0.00	0.00
39							2	0.2	0.00		6	2	0.2	0.00	0.00
40	SO SLT17 (BASIN)	0.08					2	0.2	0.00		6	2	0.2	0.00	0.08
41							2	0.2	0.00		6	2	0.2	0.00	0.00
42					IA019	0	2	0.2	0.00	2,672	6	2	0.2	0.15	0.15
43							2	0.2	0.00		6	2	0.2	0.00	0.00
44							2	0.2	0.00	403	6	2	0.2	0.02	0.02
45							2	0.2	0.00		6	2	0.2	0.00	0.00
46							2	0.2	0.00		6	2	0.2	0.00	0.00
47					IA022	0	2	0.2	0.00	1,200	12	2	0.2	0.13	0.13
48a	D6-S	0.6			IA021	25536	2	0.2	0.23	424	6	2	0.2	0.02	0.86
48b							2	0.2	0.00		6	2	0.2	0.00	0.00
49							2	0.2	0.00		6	2	0.2	0.00	0.00
50							2	0.2	0.00		6	2	0.2	0.00	0.00
51							2	0.2	0.00		6	2	0.2	0.00	0.00
52							2	0.2	0.00		6	2	0.2	0.00	0.00
53a					IA023	105129	2	0.2	0.97	0	6	2	0.2	0.00	0.97
53b			D4-N (BASIN)	0.08			2	0.2	0.00	584	6	2	0.2	0.03	0.11
54			D4-W1 (BASIN)	0.08			2	0.2	0.00		6	2	0.2	0.00	0.08
55			D4-W2 (BASIN)	0.08			2	0.2	0.00		6	2	0.2	0.00	0.08
56a							2	0.2	0.00		6	2	0.2	0.00	0.00
56b	D4-C/S	0.6					2	0.2	0.00	584	6	2	0.2	0.03	0.63
57							2	0.2	0.00	835	6	2	0.2	0.05	0.05
58							2	0.2	0.00	882	6	2	0.2	0.05	0.05
59							2	0.2	0.00		6	2	0.2	0.00	0.00
60							2	0.2	0.00	26	6	2	0.2	0.00	0.00
61							2	0.2	0.00		6	2	0.2	0.00	0.00
62	D13-W (BASIN)	0.08					2	0.20	0.00		6	2	0.20	0.00	0.08
63							2	0.20	0.00		6	2	0.20	0.00	0.00
64							2	0.20	0.00	1,767	6	2	0.20	0.10	0.10
65							2	0.20	0.00		6	2	0.20	0.00	0.00
66							2	0.20	0.00		6	2	0.20	0.00	0.00
67							2	0.20	0.00		6	2	0.20	0.00	0.00
68			D13-E1 (BASIN)	0.02			2	0.20	0.00	209	6	2	0.20	0.01	0.03
69			D13-E2 (BASIN)	0.04			2	0.20	0.00		6	2	0.20	0.00	0.04
70			D13-E3 (BASIN)	0.01			2	0.20	0.00		6	2	0.20	0.00	0.01
71							2	0.20	0.00		6	2	0.20	0.00	0.00
72a							2	0.20	0.00	825	6	2	0.20	0.05	0.05
72b							2	0.20	0.00		6	2	0.20	0.00	0.00
76							2	0.20	0.00	1,405	6	2	0.20	0.08	0.08
77							2	0.20	0.00		6	2	0.20	0.00	0.00
78			D13-E3 (BASIN)	0.09	IA024	0	2	0.20	0.00	814	6	2	0.20	0.04	0.13
Total		2.06		0.40		332,271			3.05	17,685				1.04	6.55
New Impervious Area (per CBBEL)															56.98
Required Storage Volume, acre-ft (based on 1.25" rainfall)															5.94

Note: Highlighted cells indicate those BMPs for a given subarea which have been modified from preliminary design. These modifications may include reductions or additions in provided storage volume or complete addition or removal of the BMP from the subarea. Additionally, when a rock basin is noted as "BASIN" it has been provided with the minimum water quality storage volume of 0.08 acre-ft.

Willow Creek Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
73							2	0.20	0.00		6	2	0.20	0.00	0.00
74							2	0.20	0.00	196	6	2	0.20	0.01	0.01
75							2	0.20	0.00		6	2	0.20	0.00	0.00
79							2	0.20	0.00		6	2	0.20	0.00	0.00
80			D12-W (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
81							2	0.20	0.00	2,719	6	2	0.20	0.15	0.15
82			D12-N (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
83			D12-N (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
84			D12-N (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
85	D12-E	2.34					2	0.20	0.00		6	2	0.20	0.00	2.34
86			ILRT83 NW (BASIN)	0.08			2	0.20	0.00	436	6	2	0.20	0.02	0.10
87			ILRT83 SW	0.52			2	0.20	0.00		6	2	0.20	0.00	0.52
88							2	0.20	0.00	439	6	2	0.20	0.02	0.02
89							2	0.20	0.00	1,078	6	2	0.20	0.06	0.06
90							2	0.20	0.00	26	6	2	0.20	0.00	0.00
91							2	0.20	0.00	1,044	6	2	0.20	0.06	0.06
92							2	0.20	0.00	438	6	2	0.20	0.02	0.02
93a							2	0.20	0.00		6	2	0.20	0.00	0.00
93b					IA025, IA026	89229	2	0.20	0.82	0	6	2	0.20	0.00	0.82
94							2	0.20	0.00		6	2	0.20	0.00	0.00
95			ILRT83 SE (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
96							2	0.20	0.00	633	6	2	0.20	0.03	0.03
97							2	0.20	0.00		6	2	0.20	0.00	0.00
98a					IA027	19963	2	0.20	0.18	0	6	2	0.20	0.00	0.18
98b							2	0.20	0.00		6	2	0.20	0.00	0.00
98c					IA028	20218	2	0.20	0.19	0	6	2	0.20	0.00	0.19
99			SO-WL5(N) (BASIN)	0.02			2	0.20	0.00	476	6	2	0.20	0.03	0.05
100							2	0.20	0.00		6	2	0.20	0.00	0.00
101							2	0.20	0.00	1,397	6	2	0.20	0.08	0.08
102			SO-WL5(S) (BASIN)	0.02			2	0.20	0.00	157	6	2	0.20	0.01	0.03
103							2	0.20	0.00		6	2	0.20	0.00	0.00
104							2	0.20	0.00		6	2	0.20	0.00	0.00
105							2	0.20	0.00	471	6	2	0.20	0.03	0.03
106							2	0.20	0.00		6	2	0.20	0.00	0.00
107							2	0.20	0.00	465	6	2	0.20	0.03	0.03
108			D7-S2 (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
109							2	0.20	0.00		6	2	0.20	0.00	0.00
110					IA029	0	2	0.20	0.00	861	6	2	0.20	0.05	0.05
111	D7-S1	0.50					2	0.20	0.00		6	2	0.20	0.00	0.50
112							2	0.20	0.00	1,096	6	2	0.20	0.06	0.06
113							2	0.20	0.00		6	2	0.20	0.00	0.00
114							2	0.20	0.00		6	2	0.20	0.00	0.00
115							2	0.20	0.00		6	2	0.20	0.00	0.00
116							2	0.20	0.00	1,490	6	2	0.20	0.08	0.08
117							2	0.20	0.00		6	2	0.20	0.00	0.00
118	D7-S3	2.03					2	0.20	0.00	494	6	2	0.20	0.03	2.06
119							2	0.20	0.00	26	6	2	0.20	0.00	0.00
120							2	0.20	0.00		6	2	0.20	0.00	0.00
121							2	0.20	0.00	133	6	2	0.20	0.01	0.01
122							2	0.20	0.00	26	6	2	0.20	0.00	0.00
123							2	0.20	0.00	568	6	2	0.20	0.03	0.03
124							2	0.20	0.00		6	2	0.20	0.00	0.00
125					IA037, IA041	69396	2	0.20	0.64	0	6	2	0.20	0.00	0.64
126					IA043	25236	2	0.20	0.23	0	6	2	0.20	0.00	0.23
127					IA045	68637	2	0.20	0.63	0	6	2	0.20	0.00	0.63
128					IA044	43495	2	0.20	0.40	0	6	2	0.20	0.00	0.40
129					IA042	28670	2	0.20	0.26	0	6	2	0.20	0.00	0.26
130					IA040, IA039	60149	2	0.20	0.55	0	6	2	0.20	0.00	0.55
131							2	0.20	0.00		6	2	0.20	0.00	0.00
132							2	0.20	0.00		6	2	0.20	0.00	0.00
133					IA038	35288	2	0.20	0.32	0	6	2	0.20	0.00	0.32
134							2	0.20	0.00		6	2	0.20	0.00	0.00
135					IA031	0	2	0.20	0.00	793	6	2	0.20	0.04	0.04
136							2	0.20	0.00	1,341	6	2	0.20	0.07	0.07

Willow Creek Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
137							2	0.20	0.00		6	2	0.20	0.00	0.00
182			D7-C3 (BASIN)	0.08			2	0.20	0.00	325	6	2	0.20	0.02	0.10
183a							2	0.20	0.00		6	2	0.20	0.00	0.00
183b							2	0.20	0.00		6	2	0.20	0.00	0.00
184							2	0.20	0.00		6	2	0.20	0.00	0.00
185							2	0.20	0.00		6	2	0.20	0.00	0.00
186							2	0.20	0.00		6	2	0.20	0.00	0.00
187	D7-C2 (BASIN)	0.08					2	0.20	0.00		6	2	0.20	0.00	0.08
188			D7-C2 (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
189							2	0.20	0.00	99	6	2	0.20	0.01	0.01
190					IA046	0	2	0.20	0.00	340	6	2	0.20	0.02	0.02
191			D7-C1	0.50			2	0.20	0.00	274	6	2	0.20	0.02	0.52
192							2	0.20	0.00	26	6	2	0.20	0.00	0.00
193							2	0.20	0.00	503	6	2	0.20	0.03	0.03
Total		4.95		1.78		460,281			4.23	18,372				1.01	11.97
New Impervious Area (per CBBEL)															110.2
Required Storage Volume, acre-ft (based on 1.25" rainfall)															11.48

Note: Highlighted cells indicate those BMPs for a given subarea which have been modified from preliminary design. These modifications may include reductions or additions in provided storage volume or complete addition or removal of the BMP from the subarea. Additionally, when a rock basin is noted as "BASIN" it has been provided with the minimum water quality storage volume of 0.08 acre-ft.

Higgins Creek Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
194					IA047	87101	2	0.20	0.80	0	6	2	0.20	0.00	0.80
195					IA048	76447	2	0.20	0.70	0	6	2	0.20	0.00	0.70
196							2	0.20	0.00		6	2	0.20	0.00	0.00
197							2	0.20	0.00	130	6	2	0.20	0.01	0.01
198					IA198	0	2	0.20	0.00	1,993	6	2	0.20	0.11	0.11
199a							2	0.20	0.00		6	2	0.20	0.00	0.00
199b							2	0.20	0.00		6	2	0.20	0.00	0.00
199c							2	0.20	0.00		6	2	0.20	0.00	0.00
199d							2	0.20	0.00		6	2	0.20	0.00	0.00
199e							2	0.20	0.00		6	2	0.20	0.00	0.00
199f							2	0.20	0.00		6	2	0.20	0.00	0.00
199g							2	0.20	0.00		6	2	0.20	0.00	0.00
200	D7-N2	0.86					2	0.20	0.00		6	2	0.20	0.00	0.86
201			D7-N1	0.64			2	0.20	0.00		6	2	0.20	0.00	0.64
202							2	0.20	0.00		6	2	0.20	0.00	0.00
203			D5-S (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
204							2	0.20	0.00		6	2	0.20	0.00	0.00
205							2	0.20	0.00	601	6	2	0.20	0.03	0.03
206					IA049	0	2	0.20	0.00	637	6	2	0.20	0.04	0.04
207a							2	0.20	0.00		6	2	0.20	0.00	0.00
207b							2	0.20	0.00		6	2	0.20	0.00	0.00
208					IA050	30658	2	0.20	0.28	801	6	2	0.20	0.04	0.33
209							2	0.20	0.00		6	2	0.20	0.00	0.00
210							2	0.20	0.00	46	6	2	0.20	0.00	0.00
211			D5-E (BASIN)	0.08			2	0.20	0.00	156	6	2	0.20	0.01	0.09
212					IA051, IA052	63231	2	0.20	0.58	2,392	6	2	0.20	0.13	0.71
213							2	0.20	0.00	242	6	2	0.20	0.01	0.01
214	D5-NE	0.55					2	0.20	0.00		6	2	0.20	0.00	0.55
215							2	0.20	0.00		6	2	0.20	0.00	0.00
216							2	0.20	0.00		6	2	0.20	0.00	0.00
217							2	0.20	0.00		6	2	0.20	0.00	0.00
218							2	0.20	0.00		6	2	0.20	0.00	0.00
219							2	0.20	0.00		6	2	0.20	0.00	0.00
220							2	0.20	0.00		6	2	0.20	0.00	0.00
221							2	0.20	0.00		6	2	0.20	0.00	0.00
222			SOHG28 (BASIN)	0.02			2	0.20	0.00		6	2	0.20	0.00	0.02
223							2	0.20	0.00		6	2	0.20	0.00	0.00
224							2	0.20	0.00		6	2	0.20	0.00	0.00
225	D5-W	1.61					2	0.20	0.00		6	2	0.20	0.00	1.61
226							2	0.20	0.00		6	2	0.20	0.00	0.00
227							2	0.20	0.00		6	2	0.20	0.00	0.00
228							2	0.20	0.00	305	6	2	0.20	0.02	0.02
229					IA053	37264	2	0.20	0.34	0	6	2	0.20	0.00	0.34
230					IA054	34784	2	0.20	0.32	0	6	2	0.20	0.00	0.32
231							2	0.20	0.00		6	2	0.20	0.00	0.00
232							2	0.20	0.00		6	2	0.20	0.00	0.00
233							2	0.20	0.00		6	2	0.20	0.00	0.00
234							2	0.20	0.00		6	2	0.20	0.00	0.00
235					IA055	0	2	0.20	0.00	951	6	2	0.20	0.05	0.05
236							2	0.20	0.00	722	6	2	0.20	0.04	0.04
237							2	0.20	0.00		6	2	0.20	0.00	0.00
238							2	0.20	0.00		6	2	0.20	0.00	0.00
239			SOHG8 (BASIN)	0.07			2	0.20	0.00		6	2	0.20	0.00	0.07
240					IA056	11900	2	0.20	0.11		6	2	0.20	0.00	0.11
241							2	0.20	0.00		6	2	0.20	0.00	0.00
242							2	0.20	0.00		6	2	0.20	0.00	0.00
243			SOHG7 (NW) (BASIN)	0.04			2	0.20	0.00		6	2	0.20	0.00	0.04

Higgins Creek Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
244			SOHG7 (SE) (BASIN)	0.04			2	0.20	0.00		6	2	0.20	0.00	0.04
245							2	0.20	0.00		6	2	0.20	0.00	0.00
246							2	0.20	0.00		6	2	0.20	0.00	0.00
247							2	0.20	0.00		6	2	0.20	0.00	0.00
248							2	0.20	0.00		6	2	0.20	0.00	0.00
249							2	0.20	0.00		6	2	0.20	0.00	0.00
Total		3.02		0.97		341,385			3.13	8,976				0.49	7.62
New Impervious Area, acres (per CBDEL)															71.14
Required Storage Volume, acre-ft (based on 1.25" rainfall)															7.41

Note: Highlighted cells indicate those BMPs for a given subarea which have been modified from preliminary design. These modifications may include reductions or additions in provided storage volume or complete addition or removal of the BMP from the subarea. Additionally, when a rock basin is noted as "BASIN" it has been provided with the minimum water quality storage volume of 0.08 acre-ft.

Bensenville Ditch Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
138			D8-W2 (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
139			D8-W1 (BASIN)	0.08			2	0.20	0.00		6	2	0.20	0.00	0.08
140			D8-E2 (BASIN)	0.08			2	0.20	0.00	1,218	6	2	0.20	0.07	0.15
141			D8-E1	0.49			2	0.20	0.00		6	2	0.20	0.00	0.49
142							2	0.20	0.00		6	2	0.20	0.00	0.00
143							2	0.20	0.00		6	2	0.20	0.00	0.00
144							2	0.20	0.00		6	2	0.20	0.00	0.00
145							2	0.20	0.00		6	2	0.20	0.00	0.00
146							2	0.20	0.00	28	6	2	0.20	0.00	0.00
147			D8-S1	1.69			2	0.20	0.00		6	2	0.20	0.00	1.69
148							2	0.20	0.00		6	2	0.20	0.00	0.00
149							2	0.20	0.00		6	2	0.20	0.00	0.00
150			D8-S2	0.26			2	0.20	0.00	1,248	6	2	0.20	0.07	0.33
151							2	0.20	0.00		6	2	0.20	0.00	0.00
154							2	0.20	0.00	353	6	2	0.20	0.02	0.02
Total		0.00		2.68		0			0.00	2,847				0.16	2.84
New Impervious Area (per CBBEL)															24.03
Required Storage Volume, acre-ft (based on 1.25" rainfall)															2.50

Note: Highlighted cells indicate those BMPs for a given subarea which have been modified from preliminary design. These modifications may include reductions or additions in provided storage volume or complete addition or removal of the BMP from the subarea. Additionally, when a rock basin is noted as "BASIN" it has been provided with the minimum water quality storage volume of 0.08 acre-ft.

Silver Creek Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
159							2	0.20	0.00		6	2	0.20	0.00	0.00
160					IA160	0	2	0.20	0.00	419	6	2	0.20	0.02	0.02
162							2	0.20	0.00		6	2	0.20	0.00	0.00
163					IA163	0	2	0.20	0.00	663	6	2	0.20	0.04	0.04
164			D10-N	1.66			2	0.20	0.00		6	2	0.20	0.00	1.66
165							2	0.20	0.00	305	6	2	0.20	0.02	0.02
166							2	0.20	0.00		6	2	0.20	0.00	0.00
167					IA032, IA033, IA034, IA035	0	2	0.20	0.00	3,949	6	2	0.20	0.22	0.22
168							2	0.20	0.00		6	2	0.20	0.00	0.00
169							2	0.20	0.00		6	2	0.20	0.00	0.00
170							2	0.20	0.00		6	2	0.20	0.00	0.00
171	D10-S	1.39					2	0.20	0.00		6	2	0.20	0.00	1.39
172	D10-C (BASIN)	0.04					2	0.20	0.00	742	6	2	0.20	0.04	0.08
173							2	0.20	0.00	178	6	2	0.20	0.01	0.01
174							2	0.20	0.00		6	2	0.20	0.00	0.00
Total		1.43		1.66		0			0.00	6,256				0.34	3.43

New Impervious Area (per CBBEL)	31.71
Required Storage Volume, acre-ft (based on 1.25" rainfall)	3.30

Note: Highlighted cells indicate those BMPs for a given subarea which have been modified from preliminary design. These modifications may include reductions or additions in provided storage volume or complete addition or removal of the BMP from the subarea. Additionally, when a rock basin is noted as "BASIN" it has been provided with the minimum water quality storage volume of 0.08 acre-ft.

Addison Creek Watershed

Area Name	Greater than 48 hr Drawdown		Less than 48 hr Drawdown		Infiltration Area (IA) Name	IA Area (ft ²)	IA Depth (ft)	Void Ratio	IA Storage Volume (acre-ft)	Bioswale Length (ft)	Bioswale Width (ft)	Depth of Riprap (ft)	Void Ratio	Bioswale Storage Volume (acre-ft)	Total BMP Storage Volume (acre-ft)
	Rock Basin Name	Rock Basin Volume (acre-ft)	Rock Basin Name	Rock Basin Volume (acre-ft)											
152							2	0.20	0.00		6	2	0.20	0.00	0.00
153							2	0.20	0.00	742	6	2	0.20	0.04	0.04
155			D9-W	0.31			2	0.20	0.00	307	6	2	0.20	0.02	0.33
156							2	0.20	0.00	1,428	6	2	0.20	0.08	0.08
157			D9-E	0.48			2	0.20	0.00		6	2	0.20	0.00	0.48
158			D9-S	0.23			2	0.20	0.00		6	2	0.20	0.00	0.23
161							2	0.20	0.00		6	2	0.20	0.00	0.00
175							2	0.20	0.00		6	2	0.20	0.00	0.00
176							2	0.20	0.00		6	2	0.20	0.00	0.00
177							2	0.20	0.00		6	2	0.20	0.00	0.00
178			SO AD4 (BASIN)	0.05			2	0.20	0.00		6	2	0.20	0.00	0.05
179							2	0.20	0.00		6	2	0.20	0.00	0.00
180	AD-1, -2, -3, -4, -5	1.89					2	0.20	0.00		6	2	0.20	0.00	1.89
181			SO AD3	0.11			2	0.20	0.00	1,966	6	2	0.20	0.11	0.22
Total		1.89		1.18		0			0.00	4,442				0.24	3.32
New Impervious Area (per CBBEL)															29.73
Required Storage Volume, acre-ft (based on 1.25" rainfall)															3.10

Note: Highlighted cells indicate those BMPs for a given subarea which have been modified from preliminary design. These modifications may include reductions or additions in provided storage volume or complete addition or removal of the BMP from the subarea. Additionally, when a rock basin is noted as "BASIN" it has been provided with the minimum water quality storage volume of 0.08 acre-ft.