

DESIGN REPORT ADDENDUM

Gateway to the City of Ellensburg Stormwater LID Retrofit Project II

Prepared for: City of Ellensburg

Project No. 190390-A • November 24, 2025



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Aspect Consulting, LLC



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1 Water Quality & Flow Control Benefits

The City of Ellensburg (City) and Aspect Consulting (Aspect) have prepared this Design Report Addendum to present the revised water quality and flow control benefits for the Gateway to the City of Ellensburg Stormwater LID Retrofit Project II to reflect the 90% design package. While retrofit projects are not required to meet the new and redevelopment criteria, by comparing the size of the proposed retrofit BMP to the size of a BMP designed to meet new/redevelopment criteria, the level of water quality/flow control benefit can be obtained.

The applicable City new/redevelopment criteria include:

- Volume based treatment BMP's shall be designed based on 0.66-inches of rainfall (6-month, 24-hour storm event) for all pollution generating surfaces.
- Flow control shall be designed based on retaining the full 10-year, 24-hour storm event (1.3-inches) on-site and matching the pre-development and post-development 25-year, 24-hour storm events (1.6-inches).

Revised hydrology and hydraulic calculations for the 90% design show that all infiltration swales are capable of retaining and infiltrating the 6-month, 24-hour storm runoff volume and therefore the water quality benefit ratio is calculated to be 1.00. For the 10-year, 24-hour storm, the majority of swales are able to retain and infiltrate the runoff volume; only 26 cubic feet (0.03 cfs) is anticipated to overflow and leave the roadway via overflow catch basins. The overall project flow control benefit ratio was estimated to be 0.9985. Similarly, for the 25-year, 24-hour storm runoff, the majority of swales are able to retain and infiltrate the runoff volume; with 147 cubic feet (0.10 cfs) anticipated to overflow and leave the roadway via overflow catch basins.

The pedestrian porous HMA pathway drainage areas are limited to the pathway itself and are expected to easily retain and infiltrate the water quality storm and 25-year, 24-hour storm events. Therefore, for simplicity, it is also assumed that the 1.46 acres of porous HMA pathway will have a water quality benefit ratio of 1.00 and a flow control benefit ratio of 1.00.

Portions of replaced driveway entrances with adverse slopes will not receive treatment or flow control. Therefore, these areas (approximately 0.45 acres) will have a water quality benefit ratio of 0.00 and a flow control benefit ratio of 0.00.

The estimated contributing area weighted water quality benefit ratio is 0.928 as presented in Table 1 and the estimated contributing area weighted flow control benefit ratio is 0.927 as presented in Table 2.

Table 1. Water Quality Benefit Ratios

Location/BMP	Total Contributing Drainage Area (acre)	Water Quality Benefit Ratio	Equivalent New/Redevelopment Area (acre)
Infiltration Swales	4.36	1.00	4.36
Porous HMA Pathways	1.46	1.00	1.46
Adverse Slope Driveways	0.45	0.00	0.00
Weighted Benefits		0.928	5.82

Table 2. Flow Control Benefit Ratios

Location/BMP	Total Contributing Drainage Area (acre)	Flow Control Benefit Ratio	Equivalent New/Redevelopment Area (acre)
Infiltration Swales	4.36	0.9985	4.35
Porous HMA Pathways	1.46	1.00	1.46
Adverse Slope Driveways	0.45	0.00	0.00
Weighted Benefits		0.927	5.81

Note that, as discussed above, the analysis conducted here does not reflect that the infiltration swales are actually sized to provide treatment and flow control for runoff volumes well in excess of the minimum required water quality treatment and flow control volumes. Therefore, the actual treatment and flow control benefits ratios for the infiltration swales in particular are greater than one.

2 Limitations

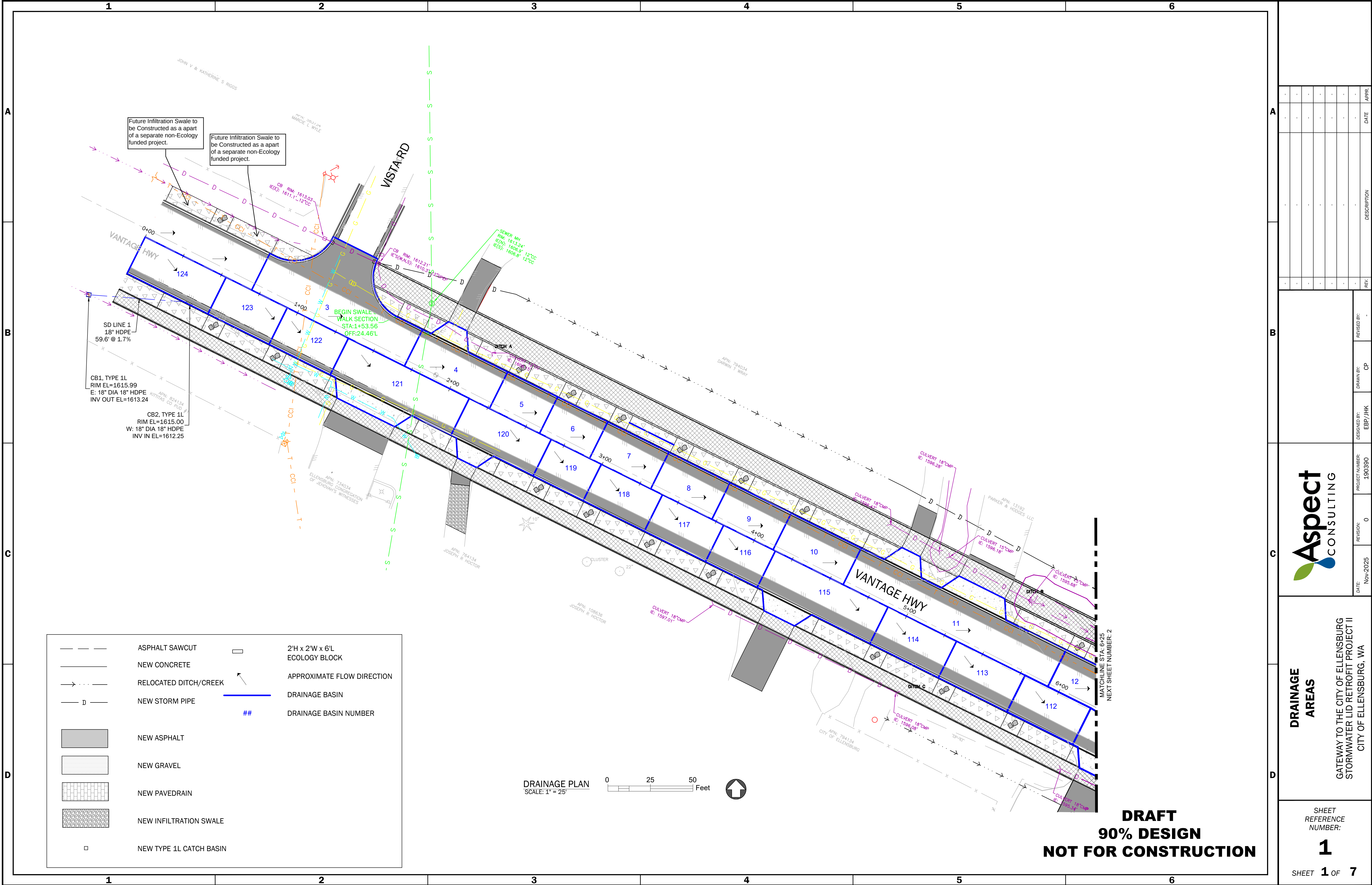
Work for this project was performed for the City of Ellensburg (Client), and this report was prepared in accordance with generally accepted professional practices for the nature and conditions of work completed in the same or similar localities, at the time the work was performed. This report does not represent a legal opinion. No other warranty, expressed or implied, is made.

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APPENDIX A

Subbasin Maps





APPENDIX B

Water Quality & Flow Control Benefit Calculations



B.1 — Infiltration Swale Sizing

Gateway to the City of Ellensburg Stormwater Retrofit Project II Infiltration Swale Sizing																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Facility ID (Subbasin)	Basin Area (sf)	Total Depth (ft)	Bottom Area (sf)	Mid Area (sf)	Top Area (sf)	Bottom Length (ft)	Mid Length (ft)	Top Length (ft)	Min. Bottom Width (ft)	Bottom Width (ft)	Min. Mid Width (ft)	Mid Width (ft)	Min. Top Width (ft)	Top Width (ft)	Side Slope XH:1V (ft)	Max Storage Volume (cf)	CAD Bottom Perimeter	CAD Mid Perimeter	CAD Top Perimeter
		y	A1	A2	A3	L1	L2	L3	B2	B1	B4	B3	B6	B5	Z	V	P1	P2	P3
3	3426	0.50	77.29	100.10	124.92	17.3	18.32	19.32	3.42	5.50	4.37	6.56	5.31	7.62	2.00	50.22	43.63	47.63	51.64
4	1541	0.50	88.02	115.24	144.47	22.2	23.20	24.20	2.43	5.50	3.36	6.57	4.30	7.64	2.00	57.79	52.44	56.45	60.46
5	790	0.50	82.05	108.75	137.46	21.9	22.88	23.88	2.00	5.50	2.92	6.58	3.85	7.67	2.00	54.54	51.40	55.41	59.43
6	790	0.50	82.05	108.75	137.46	21.9	22.88	23.88	2.00	5.50	2.92	6.58	3.85	7.67	2.00	54.54	51.40	55.41	59.43
7	965	0.50	109.39	143.36	179.34	29.2	30.17	31.17	2.00	5.50	2.94	6.56	3.88	7.62	2.00	71.85	65.94	69.95	73.96
8	965	0.50	109.39	143.36	179.34	29.2	30.17	31.17	2.00	5.50	2.94	6.56	3.88	7.62	2.00	71.85	65.94	69.95	73.96
9	965	0.50	109.39	143.36	179.34	29.2	30.17	31.17	2.00	5.50	2.94	6.56	3.88	7.62	2.00	71.85	65.94	69.95	73.96
10	1104	0.50	131.25	171.04	212.84	35.0	36.00	37.00	2.00	5.50	2.95	6.55	3.90	7.60	2.00	85.69	77.59	81.59	85.60
11	3825	0.50	156.90	197.69	240.47	35.3	36.33	37.33	3.38	5.50	4.35	6.53	5.32	7.56	2.00	99.01	79.57	83.58	87.58
12	1127	0.50	169.37	210.50	253.63	35.3	36.33	37.33	4.09	5.50	5.07	6.52	6.05	7.54	2.00	105.42	80.26	84.26	88.26
13	1278	0.50	169.37	210.50	253.63	35.3	36.33	37.33	4.09	5.50	5.07	6.52	6.05	7.54	2.00	105.42	80.26	84.26	88.26
14	1391	0.50	181.84	223.32	266.80	35.3	36.33	37.33	4.79	5.50	5.78	6.51	6.77	7.52	2.00	111.83	80.96	84.96	88.96
15	1465	0.50	181.69	223.14	266.58	35.3	36.30	37.30	4.79	5.50	5.78	6.51	6.77	7.52	2.00	111.73	80.90	84.90	88.90
16	2904	0.50	185.22	230.24	277.25	39.3	40.29	41.29	3.93	5.50	4.91	6.52	5.89	7.54	2.00	115.28	88.03	92.03	96.03
17	10951	0.50	200.59	245.98	293.37	39.3	40.28	41.28	4.71	5.50	5.70	6.51	6.69	7.52	2.00	123.16	88.77	92.77	96.77
20	5327	0.50	176.39	216.75	259.11	34.2	35.20	36.20	4.82	5.50	5.81	6.51	6.80	7.52	2.00	108.54	78.72	82.72	86.72
22	2747	0.50	195.52	239.84	286.16	38.2	39.20	40.20	4.74	5.50	5.73	6.51	6.72	7.52	2.00	120.09	86.64	90.64	94.64
23	4070	0.50	195.26	239.53	285.80	38.2	39.15	40.15	4.74	5.50	5.73	6.51	6.72	7.52	2.00	119.93	86.54	90.54	94.54
24	4659	0.50	292.19	357.68	425.17	59.6	60.58	61.58	4.31	5.50	5.30	6.51	6.29	7.52	2.00	179.01	128.98	132.98	136.98
25	1250	0.50	209.01	256.17	305.33	41.1	42.07	43.07	4.68	5.50	5.67	6.51	6.66	7.52	2.00	128.25	92.32	96.32	100.32
26	2110	0.50	209.01	256.17	305.33	41.1	42.07	43.07	4.68	5.50	5.67	6.51	6.66	7.52	2.00	128.25	92.32	96.32	100.32
27	2676	0.50	114.64	142.62	172.61	21.7	22.70	23.70	5.07	5.50	6.06	6.51	7.05	7.52	2.00	71.48	53.97	57.97	61.97
28	1769	0.50	266.52	334.58	404.64	62.8	63.80	64.80	2.99	5.50	3.97	6.52	4.95	7.54	2.00	167.46	134.11	138.11	142.11
29	1146	0.50	188.38	231.22	276.05	36.7	37.70	38.70	4.77	5.50	5.76	6.51	6.75	7.52	2.00	115.77	83.67	87.67	91.67
30	1146	0.50	188.59	231.46	276.34	36.7	37.74	38.74	4.77	5.50	5.76	6.51	6.75	7.52	2.00	115.90	83.75	87.75	91.75
31	1146	0.50	188.59	231.46	276.34	36.7	37.74	38.74	4.77	5.50	5.76	6.51	6.75	7.52	2.00	115.90	83.75	87.75	91.75
32	1146	0.50	188.59	231.46	276.34	36.7	37.74	38.74	4.77	5.50	5.76	6.51	6.75	7.52	2.00	115.90	83.75	87.75	91.75
33	1146	0.50	188.59	231.46	276.34	36.7	37.74	38.74	4.77	5.50	5.76	6.51	6.75	7.52	2.00	115.90	83.75	87.75	91.75
34	3384	0.50	226.88	277.21	329.55	44.2	45.20	46.20	4.77	5.50	5.76	6.51	6.75	7.52	2.00	138.77	98.67	102.67	106.67
38	1068	0.50	193.02	236.85	282.67	37.7	38.70	39.70	4.74	5.50	5.73	6.51	6.72	7.52	2.00	118.59	85.64	89.64	93.64
39	1068	0.50	172.87	212.51	254.15	33.5	34.47	35.47	4.83	5.50	5.82	6.51	6.81	7.52	2.00	106.42	77.27	81.27	85.27
40	1068	0.50	161.66	200.97	242.27	33.5	34.47	35.47	4.16	5.50	5.14	6.52	6.12	7.54	2.00	100.65	76.61	80.61	84.62
41	1068	0.50	161.66	200.97	242.27	33.5	34.47	35.47	4.16	5.50	5.14	6.52	6.12	7.54	2.00	100.65	76.61	80.61	84.62
42	1068	0.50	172.87	212.51	254.15	33.5	34.47	35.47	4.83	5.50	5.82	6.51	6.81	7.52	2.00	106.42	77.27	81.27	85.27
43	1772	0.50	172.81	212.43	254.06	33.5	34.46	35.46	4.83	5.50	5.82	6.51	6.81	7.52	2.00	106.38	77.25	81.25	85.25
44	1085	0.50	176.44	216.81	259.17	34.2	35.21	36.21	4.82	5.50	5.81	6.51	6.80	7.52	2.00	108.57	78.73	82.73	86.73
45	1085	0.50	176.44	216.81	259.17	34.2	35.21	36.21	4.82	5.50	5.81	6.51	6.80	7.52	2.00	108.57	78.73	82.73	86.73
46	1085	0.50	164.74	204.77	246.80	34.2	35.21	36.21	4.13	5.50	5.11	6.52	6.09	7.54	2.00	102.55	78.06	82.06	86.06
47	1085	0.50	164.74	204.77	246.80	34.2	35.21	36.21	4.13	5.50	5.11	6.52	6.09	7.54	2.00	102.55	78.06	82.06	86.06
48	1085	0.50	176.44	216.81	259.17	34.2	35.21	36.21	4.82	5.50	5.81	6.51	6.80	7.52	2.00	108.57	78.73	82.73	86.73
49	1085	0.50	176.44	216.81	259.17	34.2	35.21	36.21	4.82	5.50	5.81	6.51	6.80	7.52	2.00	108.57	78.73	82.73	86.73
50	1085	0.50	176.44	216.81	259.17	34.2	35.21	36.21	4.82	5.50	5.81	6.51	6.80	7.52	2.00	108.57	78.73	82.73	86.73
51	1790	0.50	176.44	216.81	259.18	34.2	35.21	36.21	4.82	5.50	5.81	6.51	6.80	7.52	2.00	108.57	78.74	82.74	86.74
52	1138	0.50	186.93	229.47	274.00	36.4	37.40	38.40	4.77	5.50	5.76	6.51	6.75	7.52	2.00	114.90	83.07	87.07	91.07
53	1138	0.50	186.93	229.47	274.00	36.4	37.40	38.40	4.77	5.50	5.76	6.51	6.75	7.52	2.00	114.90	83.07	87.07	91.07
54	1138	0.50	186.93	229.47	274.00	36.4	37.40	38.40	4.77	5.50	5.76	6.51	6.75	7.52	2.00	114.90	83.07	87.07	91.07
55	1842	0.50	186.94	229.48	274.02	36.4	37.40	38.40	4.77	5.50	5.76	6.51	6.75	7.52	2.00	114.91	83.07	87.07	91.07
56	1178	0.50	194.79	238.96	285.12	38.0	39.05	40.05	4.74	5.50	5.73	6.51	6.72	7.52	2.00	119.65	86.33	90.33	94.33
57	3159	0.50	194.78	238.95	285.11	38.0	39.04	40.04	4.74	5.50	5.73	6.51	6.72	7.52	2.00	119.64	86.33	90.33	94.33
58	1217	0.50	186.83	232.24	279.66	39.7	40.70	41.70	3.91	5.50	4.89	6.52	5.87	7.54	2.00	116.29	88.83	92.83	96.83
59	1921	0.50	203.78	249.61	297.45	39.7	40.70	41.70	4.77	5.50	5.76	6.51	6.75	7.52	2.00	124.97	89.67	93.67	97.67
60	1070	0.50	162.08	201.48	242.89	33.6	34.57	35.57	4.16	5.50	5.14	6.52	6.12	7.54	2.00	100.91	76.81	80.81	84.81
61	1070	0.50	162.08	201.48	242.89	33.6	34.57	35.57	4.16	5.50	5.14	6.52	6.12	7.54	2.00	100.91	76.81	80.81	84.81
62	1070	0.50	162.08	201.48	242.89	33.6	34.57	35.57	4.16	5.50	5.14	6.52	6.12	7.54	2.00	100.91	76.81	80.81	84.81
63	4378	0.50	161.98	201.37	242.75	33.6	34.55	35.55	4.16	5.50	5.14	6.52	6.12	7.54	2.00	100.85	76.77	80.77	84.77
64	1030	0.50	155.00	192.75	232.50	31.9	32.88	33.88	4.22	5.50	5.20	6.52	6.18	7.54	2.00	96.54	73.50	77.50	81.50
65	1030	0.50	165.17	203.23	243.30	31.9	32.88	33.88	4.86	5.50	5.85	6.51	6.84	7.52	2.00	101.78	74.13	78.13	82.13
66	1030	0.50	155.00	192.75	232.50	31.9	32.88	33.88	4.22	5.50	5.20	6.52	6.18	7.54	2.00	96.54	73.50	77.50	81.50
67	1029	0.50	154.90	192.63	232.35	31.9	32.86	33.86	4.22	5.50	5.20	6.52	6.18	7.54	2.00	96.48	73.45	77.46	81.46
68	2485	0.50	165.27	203.35	243.43	31.9	32.90	33.90	4.86	5.50	5.85	6.51	6.84	7.52	2.00	101.84	74.16	78.16	8

B.2 — Water Quality Benefit Calculations

			Gateway to the City of Ellensburg Stormwater Retrofit Project II			
			Water Quality Benefit			
Facility ID (Subbasin)	Basin Area (sf)	Proposed BMP	New/Redev Condition	Proposed Retrofit	Water Quality Ratio	Equivalent New/Redv Area (sf)
			Treat 6-Mo Storm Event Treatment Volume ¹ (cf)	Treat 6-Mo Storm Event Treatment Volume ¹ (cf)		
3	3426	Infiltration Swale	133.00	133.00	1.00	3426
4	1541	Infiltration Swale	60.00	60.00	1.00	1541
5	790	Infiltration Swale	31.00	31.00	1.00	790
6	790	Infiltration Swale	31.00	31.00	1.00	790
7	965	Infiltration Swale	37.00	37.00	1.00	965
8	965	Infiltration Swale	37.00	37.00	1.00	965
9	965	Infiltration Swale	37.00	37.00	1.00	965
10	1104	Infiltration Swale	43.00	43.00	1.00	1104
11	3825	Infiltration Swale	148.00	148.00	1.00	3825
12	1127	Infiltration Swale	44.00	44.00	1.00	1127
13	1278	Infiltration Swale	50.00	50.00	1.00	1278
14	1391	Infiltration Swale	54.00	54.00	1.00	1391
15	1465	Infiltration Swale	57.00	57.00	1.00	1465
16	2904	Infiltration Swale	113.00	113.00	1.00	2904
17	10951	Infiltration Swale	425.00	425.00	1.00	10951
20	5327	Infiltration Swale	207.00	207.00	1.00	5327
22	2747	Infiltration Swale	107.00	107.00	1.00	2747
23	4070	Infiltration Swale	158.00	158.00	1.00	4070
24	4659	Infiltration Swale	181.00	181.00	1.00	4659
25	1250	Infiltration Swale	49.00	49.00	1.00	1250
26	2110	Infiltration Swale	82.00	82.00	1.00	2110
27	2676	Infiltration Swale	104.00	104.00	1.00	2676
28	1769	Infiltration Swale	69.00	69.00	1.00	1769
29	1146	Infiltration Swale	44.00	44.00	1.00	1146
30	1146	Infiltration Swale	44.00	44.00	1.00	1146
31	1146	Infiltration Swale	44.00	44.00	1.00	1146
32	1146	Infiltration Swale	44.00	44.00	1.00	1146
33	1146	Infiltration Swale	44.00	44.00	1.00	1146
34	3384	Infiltration Swale	131.00	131.00	1.00	3384
38	1068	Infiltration Swale	41.00	41.00	1.00	1068
39	1068	Infiltration Swale	41.00	41.00	1.00	1068
40	1068	Infiltration Swale	41.00	41.00	1.00	1068
41	1068	Infiltration Swale	41.00	41.00	1.00	1068
42	1068	Infiltration Swale	41.00	41.00	1.00	1068
43	1772	Infiltration Swale	69.00	69.00	1.00	1772
44	1085	Infiltration Swale	42.00	42.00	1.00	1085
45	1085	Infiltration Swale	42.00	42.00	1.00	1085
46	1085	Infiltration Swale	42.00	42.00	1.00	1085
47	1085	Infiltration Swale	42.00	42.00	1.00	1085
48	1085	Infiltration Swale	42.00	42.00	1.00	1085
49	1085	Infiltration Swale	42.00	42.00	1.00	1085
50	1085	Infiltration Swale	42.00	42.00	1.00	1085
51	1790	Infiltration Swale	69.00	69.00	1.00	1790
52	1138	Infiltration Swale	44.00	44.00	1.00	1138
53	1138	Infiltration Swale	44.00	44.00	1.00	1138
54	1138	Infiltration Swale	44.00	44.00	1.00	1138
55	1842	Infiltration Swale	71.00	71.00	1.00	1842
56	1178	Infiltration Swale	46.00	46.00	1.00	1178
57	3159	Infiltration Swale	123.00	123.00	1.00	3159
58	1217	Infiltration Swale	47.00	47.00	1.00	1217
59	1921	Infiltration Swale	75.00	75.00	1.00	1921
60	1070	Infiltration Swale	42.00	42.00	1.00	1070
61	1070	Infiltration Swale	42.00	42.00	1.00	1070
62	1070	Infiltration Swale	42.00	42.00	1.00	1070
63	4378	Infiltration Swale	170.00	170.00	1.00	4378
64	1030	Infiltration Swale	40.00	40.00	1.00	1030
65	1030	Infiltration Swale	40.00	40.00	1.00	1030
66	1030	Infiltration Swale	40.00	40.00	1.00	1030
67	1029	Infiltration Swale	40.00	40.00	1.00	1029
68	2485	Infiltration Swale	96.00	96.00	1.00	2485
69	1839	Infiltration Swale	71.00	71.00	1.00	1839
70	1125	Infiltration Swale	44.00	44.00	1.00	1125
71	1125	Infiltration Swale	44.00	44.00	1.00	1125
72	1125	Infiltration Swale	44.00	44.00	1.00	1125
73	1125	Infiltration Swale	44.00	44.00	1.00	1125
74	3570	Infiltration Swale	139.00	139.00	1.00	3570
75	1050	Infiltration Swale	41.00	41.00	1.00	1050
76	1050	Infiltration Swale	41.00	41.00	1.00	1050
77	1050	Infiltration Swale	41.00	41.00	1.00	1050
78	1050	Infiltration Swale	41.00	41.00	1.00	1050
79	1050	Infiltration Swale	41.00	41.00	1.00	1050
80	1050	Infiltration Swale	41.00	41.00	1.00	1050
81	1050	Infiltration Swale	41.00	41.00	1.00	1050
82	1050	Infiltration Swale	41.00	41.00	1.00	1050
83	1050	Infiltration Swale	41.00	41.00	1.00	1050
84	1050	Infiltration Swale	41.00	41.00	1.00	1050
85	1050	Infiltration Swale	41.00	41.00	1.00	1050
86	1050	Infiltration Swale	41.00	41.00	1.00	1050
87	1050	Infiltration Swale	41.00	41.00	1.00	1050
88	1050	Infiltration Swale	41.00	41.00	1.00	1050
89	1050	Infiltration Swale	41.00	41.00	1.00	1050
90	2998	Infiltration Swale	116.00	116.00	1.00	2998
91	1009	Infiltration Swale	39.00	39.00	1.00	1009
92	1009	Infiltration Swale	39.00	39.00	1.00	1009
93	1009	Infiltration Swale	39.00	39.00	1.00	1009
94	3592	Infiltration Swale	139.00	139.00	1.00	3592
95	1253	Infiltration Swale	49.00	49.00	1.00	1253
96	5864	Infiltration Swale	228.00	228.00	1.00	5864
97	1218	Infiltration Swale	47.00	47.00	1.00	1218
100	6007	Infiltration Swale	233.00	233.00	1.00	6007
101	1064	Infiltration Swale	41.00	41.00	1.00	1064
102	1064	Infiltration Swale	41.00	41.00	1.00	1064
103	1064	Infiltration Swale	41.00	41.00	1.00	1064
104	3187	Infiltration Swale	124.00	124.00	1.00	3187
105	1023	Infiltration Swale	40.00	40.00	1.00	1023
106	1023	Infiltration Swale	40.00	40.00	1.00	1023
107	1023	Infiltration Swale	40.00	40.00	1.00	1023
108	1023	Infiltration Swale	40.00	40.00	1.00	1023
109	742	Infiltration Swale	29.00	29.00	1.00	742
110	838	Infiltration Swale	33.00	33.00	1.00	838
111	1854	Infiltration Swale	72.00	72.00	1.00	1854
112	1037	Infiltration Swale	40.00	40.00	1.00	1037
113	1080	Infiltration Swale	42.00	42.00	1.00	1080
114	1080	Infiltration Swale	42.00	42.00	1.00	1080
115	2050	Infiltration Swale	80.00	80.00	1.00	2050
116	816	Infiltration Swale	32.00	32.00	1.00	816
117	965	Infiltration Swale	37.00	37.00	1.00	965
118	965	Infiltration Swale	37.00	37.00	1.00	965
119	789	Infiltration Swale	31.00	31.00	1.00	789
120	1486	Infiltration Swale	58.00	58.00	1.00	1486
121	2367	Infiltration Swale	92.00	92.00	1.00	2367
122	965	Infiltration Swale	37.00	37.00	1.00	965
123	965	Infiltration Swale	37.00	37.00	1.00	965
124	1275	Infiltration Swale	49.00	49.00	1.00	1275
Total		189,992			Total	189,992

Notes:
1. Treatment Volume estimated using the 6-Month, 24-Hour Type IA storm event. See HydroCAD results.

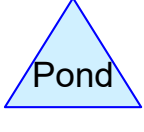
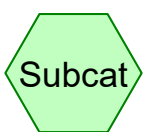
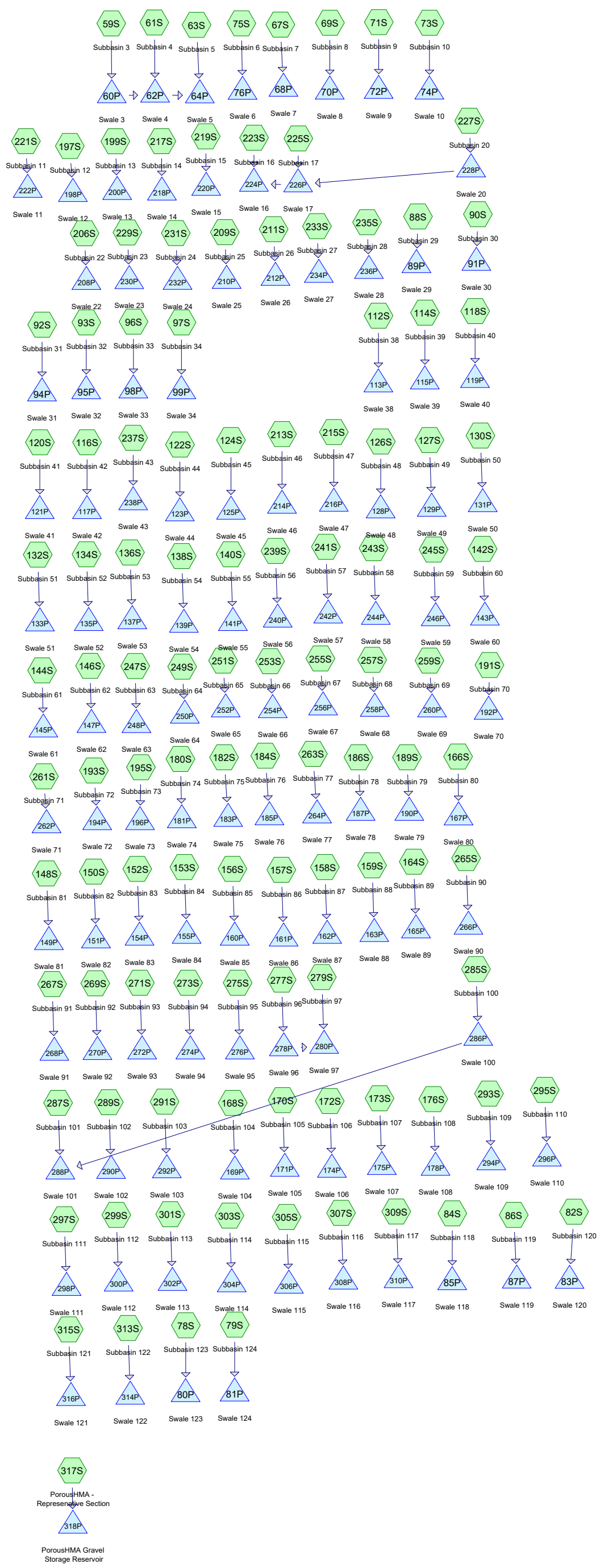
B.3 — Flow Control Benefit Calculations

			Gateway to the City of Ellensburg Stormwater Retrofit Project II			
			Flow Control Benefit Summary			
Facility ID (Subbasin)	Basin Area (sf)	Proposed BMP	New/Redev Condition	Proposed Retrofit	Flow Control Ratio	Equivalent New/Redv Area (sf)
			Retain 10-Yr Runoff Volume On-Site	Retain 10-Yr Runoff Volume On-Site		
			Retention Volume ¹ (cf)	Retention Volume ¹ (cf)		
3	3426	Infiltration Swale	309.00	294.00	0.95	3260
4	1541	Infiltration Swale	139.00	154.00	1.11	1707
5	790	Infiltration Swale	71.00	71.00	1.00	790
6	790	Infiltration Swale	71.00	71.00	1.00	790
7	965	Infiltration Swale	87.00	87.00	1.00	965
8	965	Infiltration Swale	87.00	87.00	1.00	965
9	965	Infiltration Swale	87.00	87.00	1.00	965
10	1104	Infiltration Swale	100.00	100.00	1.00	1104
11	3825	Infiltration Swale	345.00	345.00	1.00	3825
12	1127	Infiltration Swale	102.00	102.00	1.00	1127
13	1278	Infiltration Swale	115.00	115.00	1.00	1278
14	1391	Infiltration Swale	126.00	126.00	1.00	1391
15	1465	Infiltration Swale	132.00	132.00	1.00	1465
16	2904	Infiltration Swale	262.00	356.00	1.36	3946
17	10951	Infiltration Swale	989.00	869.00	0.88	9622
20	5327	Infiltration Swale	481.00	481.00	1.00	5327
22	2747	Infiltration Swale	248.00	248.00	1.00	2747
23	4070	Infiltration Swale	368.00	368.00	1.00	4070
24	4659	Infiltration Swale	421.00	421.00	1.00	4659
25	1250	Infiltration Swale	113.00	113.00	1.00	1250
26	2110	Infiltration Swale	191.00	191.00	1.00	2110
27	2676	Infiltration Swale	242.00	242.00	1.00	2676
28	1769	Infiltration Swale	160.00	160.00	1.00	1769
29	1146	Infiltration Swale	103.00	103.00	1.00	1146
30	1146	Infiltration Swale	103.00	103.00	1.00	1146
31	1146	Infiltration Swale	103.00	103.00	1.00	1146
32	1146	Infiltration Swale	103.00	103.00	1.00	1146
33	1146	Infiltration Swale	103.00	103.00	1.00	1146
34	3384	Infiltration Swale	306.00	306.00	1.00	3384
38	1068	Infiltration Swale	96.00	96.00	1.00	1068
39	1068	Infiltration Swale	96.00	96.00	1.00	1068
40	1068	Infiltration Swale	96.00	96.00	1.00	1068
41	1068	Infiltration Swale	96.00	96.00	1.00	1068
42	1068	Infiltration Swale	96.00	96.00	1.00	1068
43	1772	Infiltration Swale	160.00	160.00	1.00	1772
44	1085	Infiltration Swale	96.00	96.00	1.00	1085
45	1085	Infiltration Swale	98.00	98.00	1.00	1085
46	1085	Infiltration Swale	98.00	98.00	1.00	1085
47	1085	Infiltration Swale	98.00	98.00	1.00	1085
48	1085	Infiltration Swale	98.00	98.00	1.00	1085
49	1085	Infiltration Swale	98.00	98.00	1.00	1085
50	1085	Infiltration Swale	98.00	98.00	1.00	1085
51	1790	Infiltration Swale	162.00	162.00	1.00	1790
52	1138	Infiltration Swale	103.00	103.00	1.00	1138
53	1138	Infiltration Swale	103.00	103.00	1.00	1138
54	1138	Infiltration Swale	103.00	103.00	1.00	1138
55	1842	Infiltration Swale	166.00	166.00	1.00	1842
56	1178	Infiltration Swale	106.00	106.00	1.00	1178
57	3159	Infiltration Swale	285.00	285.00	1.00	3159
58	1217	Infiltration Swale	110.00	110.00	1.00	1217
59	1921	Infiltration Swale	173.00	173.00	1.00	1921
60	1070	Infiltration Swale	97.00	97.00	1.00	1070
61	1070	Infiltration Swale	97.00	97.00	1.00	1070
62	1070	Infiltration Swale	97.00	97.00	1.00	1070
63	4378	Infiltration Swale	395.00	395.00	1.00	4378
64	1030	Infiltration Swale	93.00	93.00	1.00	1030
65	1030	Infiltration Swale	93.00	93.00	1.00	1030
66	1030	Infiltration Swale	93.00	93.00	1.00	1030
67	1029	Infiltration Swale	93.00	93.00	1.00	1029
68	2485	Infiltration Swale	224.00	224.00	1.00	2485
69	1839	Infiltration Swale	166.00	166.00	1.00	1839
70	1125	Infiltration Swale	102.00	102.00	1.00	1125
71	1125	Infiltration Swale	102.00	102.00	1.00	1125
72	1125	Infiltration Swale	102.00	102.00	1.00	1125
73	1125	Infiltration Swale	102.00	102.00	1.00	1125
74	3570	Infiltration Swale	322.00	322.00	1.00	3570
75	1050	Infiltration Swale	95.00	95.00	1.00	1050
76	1050	Infiltration Swale	95.00	95.00	1.00	1050
77	1050	Infiltration Swale	95.00	95.00	1.00	1050
78	1050	Infiltration Swale	95.00	95.00	1.00	1050
79	1050	Infiltration Swale	95.00	95.00	1.00	1050
80	1050	Infiltration Swale	95.00	95.00	1.00	1050
81	1050	Infiltration Swale	95.00	95.00	1.00	1050
82	1050	Infiltration Swale	95.00	95.00	1.00	1050
83	1050	Infiltration Swale	95.00	95.00	1.00	1050
84	1050	Infiltration Swale	95.00	95.00	1.00	1050
85	1050	Infiltration Swale	95.00	95.00	1.00	1050
86	1050	Infiltration Swale	95.00	95.00	1.00	1050
87	1050	Infiltration Swale	95.00	95.00	1.00	1050
88	1050	Infiltration Swale	95.00	95.00	1.00	1050
89	1050	Infiltration Swale	95.00	95.00	1.00	1050
90	2998	Infiltration Swale	271.00	271.00	1.00	2998
91	1009	Infiltration Swale	91.00	91.00	1.00	1009
92	1009	Infiltration Swale	91.00	91.00	1.00	1009
93	1009	Infiltration Swale	91.00	91.00	1.00	1009
94	3592	Infiltration Swale	324.00	324.00	1.00	3592
95	1253	Infiltration Swale	113.00	113.00	1.00	1253
96	5864	Infiltration Swale	530.00	530.00	1.00	5864
97	1218	Infiltration Swale	110.00	110.00	1.00	1218
100	6007	Infiltration Swale	542.00	532.00	0.98	5896
101	1064	Infiltration Swale	96.00	106.00	1.10	1175
102	1064	Infiltration Swale	96.00	96.00	1.00	1064
103	1064	Infiltration Swale	96.00	96.00	1.00	1064
104	3187	Infiltration Swale	288.00	288.00	1.00	3187
105	1023	Infiltration Swale	92.00	92.00	1.00	1023
106	1023	Infiltration Swale	92.00	92.00	1.00	1023
107	1023	Infiltration Swale	92.00	92.00	1.00	1023
108	1023	Infiltration Swale	92.00	92.00	1.00	1023
109	742	Infiltration Swale	67.00	67.00	1.00	742
110	838	Infiltration Swale	76.00	76.00	1.00	838
111	1854	Infiltration Swale	167.00	167.00	1.00	1854
112	1037	Infiltration Swale	94.00	94.00	1.00	1037
113	1080	Infiltration Swale	98.00	98.00	1.00	1080
114	1080	Infiltration Swale	98.00	98.00	1.00	1080
115	2050	Infiltration Swale	185.00	185.00	1.00	2050
116	816	Infiltration Swale	74.00	74.00	1.00	816
117	965	Infiltration Swale	87.00	87.00	1.00	965
118	965	Infiltration Swale	87.00	87.00	1.00	965
119	789	Infiltration Swale	71.00	71.00	1.00	789
120	1486	Infiltration Swale	134.00	134.00	1.00	1486
121	2367	Infiltration Swale	214.00	214.00	1.00	2367
122	965	Infiltration Swale	87.00	87.00	1.00	965
123	965	Infiltration Swale	87.00	87.00	1.00	965
124	1275	Infiltration Swale	115.00	115.00	1.00	1275
Total	189,992				Total	189,705

Notes:

1. Retention Volume estimated using the 10-Year, 24-Hour Type IA storm event. See HydroCAD results.
2. Subbasin 3 bioinfiltration swale is not anticipated to fully retain the 10-Year, 24-Hour Type IA runoff volume; excess runoff (15 cubic feet) will overflow into the subbasin 4 bioinfiltration swale which is able to retain the excess runoff volume.
3. Subbasin 17 bioinfiltration swale is not anticipated to fully retain the 10-Year, 24-Hour Type IA runoff volume; excess runoff (120 cubic feet) will overflow into the subbasin 16 bioinfiltration swale which is able to accomodate some of the excess runoff, but ultimately 26 cubic feet is anticipated to overflow and enter the nearby overflow catch basin in the roadway sag and discharge to the relocated ditch system.
4. Subbasin 100 bioinfiltration swale is not anticipated to fully retain the 10-Year, 24-Hour Type IA runoff volume; excess runoff (10 cubic feet) will overflow into the subbasin 101 bioinfiltration swale which is able to retain the excess runoff volume.

B.4 — HydroCAD Modeling Outputs



Routing Diagram for 190390 Ellensberg Gateway 2
Prepared by Aspect Consulting LLC, Printed 11/4/2025
HydroCAD® 10.20-7a s/n 13002 © 2025 HydroCAD Software Solutions LLC

190390 Ellensberg Gateway 2

Prepared by Aspect Consulting LLC

HydroCAD® 10.20-7a s/n 13002 © 2025 HydroCAD Software Solutions LLC

Type IA 24-hr 6-Month Rainfall=0.66"

Printed 11/4/2025

Time span=0.00-96.00 hrs, dt=0.04 hrs, 2401 points

Runoff by SBUH method, Split Pervious/Imperv.

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment59S: Subbasin 3	Runoff Area=3,426 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 133 cf
Subcatchment61S: Subbasin 4	Runoff Area=1,541 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 60 cf
Subcatchment63S: Subbasin 5	Runoff Area=790 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 31 cf
Subcatchment67S: Subbasin 7	Runoff Area=965 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 37 cf
Subcatchment69S: Subbasin 8	Runoff Area=965 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 37 cf
Subcatchment71S: Subbasin 9	Runoff Area=965 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 37 cf
Subcatchment73S: Subbasin 10	Runoff Area=1,104 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 43 cf
Subcatchment75S: Subbasin 6	Runoff Area=790 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 31 cf
Subcatchment78S: Subbasin 123	Runoff Area=965 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 37 cf
Subcatchment79S: Subbasin 124	Runoff Area=1,275 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 49 cf
Subcatchment82S: Subbasin 120	Runoff Area=1,486 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 58 cf
Subcatchment84S: Subbasin 118	Runoff Area=965 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 37 cf
Subcatchment86S: Subbasin 119	Runoff Area=789 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 31 cf
Subcatchment88S: Subbasin 29	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment90S: Subbasin 30	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment92S: Subbasin 31	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf

190390 Ellensberg Gateway 2

Prepared by Aspect Consulting LLC

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Type IA 24-hr 6-Month Rainfall=0.66"

Printed 11/4/2025

Subcatchment93S: Subbasin 32	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment96S: Subbasin 33	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment97S: Subbasin 34	Runoff Area=3,384 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 131 cf
Subcatchment112S: Subbasin 38	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment114S: Subbasin 39	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment116S: Subbasin 42	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment118S: Subbasin 40	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment120S: Subbasin 41	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment122S: Subbasin 44	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment124S: Subbasin 45	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment126S: Subbasin 48	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment127S: Subbasin 49	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment130S: Subbasin 50	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment132S: Subbasin 51	Runoff Area=1,790 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 69 cf
Subcatchment134S: Subbasin 52	Runoff Area=1,138 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment136S: Subbasin 53	Runoff Area=1,138 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment138S: Subbasin 54	Runoff Area=1,138 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment140S: Subbasin 55	Runoff Area=1,842 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 71 cf

190390 Ellensberg Gateway 2

Prepared by Aspect Consulting LLC

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Type IA 24-hr 6-Month Rainfall=0.66"

Printed 11/4/2025

Subcatchment 142S: Subbasin 60	Runoff Area=1,070 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment 144S: Subbasin 61	Runoff Area=1,070 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment 146S: Subbasin 62	Runoff Area=1,070 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment 148S: Subbasin 81	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment 150S: Subbasin 82	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment 152S: Subbasin 83	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment 153S: Subbasin 84	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment 156S: Subbasin 85	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment 157S: Subbasin 86	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment 158S: Subbasin 87	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment 159S: Subbasin 88	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment 164S: Subbasin 89	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment 166S: Subbasin 80	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment 168S: Subbasin 104	Runoff Area=3,187 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 124 cf
Subcatchment 170S: Subbasin 105	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 40 cf
Subcatchment 172S: Subbasin 106	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 40 cf
Subcatchment 173S: Subbasin 107	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 40 cf

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Subcatchment176S: Subbasin 108	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 40 cf
Subcatchment180S: Subbasin 74	Runoff Area=3,570 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 139 cf
Subcatchment182S: Subbasin 75	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment184S: Subbasin 76	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment186S: Subbasin 78	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment189S: Subbasin 79	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment191S: Subbasin 70	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment193S: Subbasin 72	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment195S: Subbasin 73	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment197S: Subbasin 12	Runoff Area=1,127 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment199S: Subbasin 13	Runoff Area=1,278 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 50 cf
Subcatchment206S: Subbasin 22	Runoff Area=2,747 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 107 cf
Subcatchment209S: Subbasin 25	Runoff Area=1,250 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 49 cf
Subcatchment211S: Subbasin 26	Runoff Area=2,110 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 82 cf
Subcatchment213S: Subbasin 46	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment215S: Subbasin 47	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment217S: Subbasin 14	Runoff Area=1,391 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 54 cf
Subcatchment219S: Subbasin 15	Runoff Area=1,465 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 57 cf

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Subcatchment221S: Subbasin 11	Runoff Area=3,825 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 148 cf
Subcatchment223S: Subbasin 16	Runoff Area=2,904 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 113 cf
Subcatchment225S: Subbasin 17	Runoff Area=10,951 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 425 cf
Subcatchment227S: Subbasin 20	Runoff Area=5,327 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 207 cf
Subcatchment229S: Subbasin 23	Runoff Area=4,070 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 158 cf
Subcatchment231S: Subbasin 24	Runoff Area=4,659 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 181 cf
Subcatchment233S: Subbasin 27	Runoff Area=2,676 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 104 cf
Subcatchment235S: Subbasin 28	Runoff Area=1,769 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 69 cf
Subcatchment237S: Subbasin 43	Runoff Area=1,772 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 69 cf
Subcatchment239S: Subbasin 56	Runoff Area=1,178 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 46 cf
Subcatchment241S: Subbasin 57	Runoff Area=3,159 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 123 cf
Subcatchment243S: Subbasin 58	Runoff Area=1,217 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 47 cf
Subcatchment245S: Subbasin 59	Runoff Area=1,921 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 75 cf
Subcatchment247S: Subbasin 63	Runoff Area=4,378 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 170 cf
Subcatchment249S: Subbasin 64	Runoff Area=1,030 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 40 cf
Subcatchment251S: Subbasin 65	Runoff Area=1,030 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 40 cf
Subcatchment253S: Subbasin 66	Runoff Area=1,030 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 40 cf

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Subcatchment255S: Subbasin 67	Runoff Area=1,029 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 40 cf
Subcatchment257S: Subbasin 68	Runoff Area=2,485 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 96 cf
Subcatchment259S: Subbasin 69	Runoff Area=1,839 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 71 cf
Subcatchment261S: Subbasin 71	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 44 cf
Subcatchment263S: Subbasin 77	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment265S: Subbasin 90	Runoff Area=2,998 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 116 cf
Subcatchment267S: Subbasin 91	Runoff Area=1,009 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 39 cf
Subcatchment269S: Subbasin 92	Runoff Area=1,009 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 39 cf
Subcatchment271S: Subbasin 93	Runoff Area=1,009 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 39 cf
Subcatchment273S: Subbasin 94	Runoff Area=3,592 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 139 cf
Subcatchment275S: Subbasin 95	Runoff Area=1,253 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 49 cf
Subcatchment277S: Subbasin 96	Runoff Area=5,864 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 228 cf
Subcatchment279S: Subbasin 97	Runoff Area=1,218 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 47 cf
Subcatchment285S: Subbasin 100	Runoff Area=6,007 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 233 cf
Subcatchment287S: Subbasin 101	Runoff Area=1,064 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment289S: Subbasin 102	Runoff Area=1,064 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment291S: Subbasin 103	Runoff Area=1,064 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 41 cf
Subcatchment293S: Subbasin 109	Runoff Area=742 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 29 cf

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Subcatchment295S: Subbasin 110	Runoff Area=838 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 33 cf
Subcatchment297S: Subbasin 111	Runoff Area=1,854 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 72 cf
Subcatchment299S: Subbasin 112	Runoff Area=1,037 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 40 cf
Subcatchment301S: Subbasin 113	Runoff Area=1,080 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment303S: Subbasin 114	Runoff Area=1,080 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 42 cf
Subcatchment305S: Subbasin 115	Runoff Area=2,050 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 80 cf
Subcatchment307S: Subbasin 116	Runoff Area=816 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 32 cf
Subcatchment309S: Subbasin 117	Runoff Area=965 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 37 cf
Subcatchment313S: Subbasin 122	Runoff Area=965 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 37 cf
Subcatchment315S: Subbasin 121	Runoff Area=2,367 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 92 cf
Subcatchment317S: PICP - Represenative	Runoff Area=700 sf 100.00% Impervious Runoff Depth=0.47" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 27 cf
Pond 60P: Swale 3	Peak Elev=0.28' Storage=26 cf Inflow=0.01 cfs 133 cf Discarded=0.00 cfs 133 cf Primary=0.00 cfs 0 cf Outflow=0.00 cfs 133 cf
Pond 62P: Swale 4	Peak Elev=0.13' Storage=12 cf Inflow=0.00 cfs 60 cf Discarded=0.00 cfs 60 cf Primary=0.00 cfs 0 cf Outflow=0.00 cfs 60 cf
Pond 64P: Swale 5	Peak Elev=0.07' Storage=6 cf Inflow=0.00 cfs 31 cf Outflow=0.00 cfs 31 cf
Pond 68P: Swale 7	Peak Elev=0.07' Storage=8 cf Inflow=0.00 cfs 37 cf Outflow=0.00 cfs 37 cf
Pond 70P: Swale 8	Peak Elev=0.07' Storage=8 cf Inflow=0.00 cfs 37 cf Outflow=0.00 cfs 37 cf
Pond 72P: Swale 9	Peak Elev=0.07' Storage=8 cf Inflow=0.00 cfs 37 cf Outflow=0.00 cfs 37 cf

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Pond 74P: Swale 10	Peak Elev=0.06' Storage=9 cf Inflow=0.00 cfs 43 cf Outflow=0.00 cfs 43 cf
Pond 76P: Swale 6	Peak Elev=0.07' Storage=6 cf Inflow=0.00 cfs 31 cf Outflow=0.00 cfs 31 cf
Pond 80P: Swale 123	Peak Elev=0.07' Storage=8 cf Inflow=0.00 cfs 37 cf Outflow=0.00 cfs 37 cf
Pond 81P: Swale 124	Peak Elev=0.09' Storage=10 cf Inflow=0.00 cfs 49 cf Outflow=0.00 cfs 49 cf
Pond 83P: Swale 120	Peak Elev=0.13' Storage=12 cf Inflow=0.00 cfs 58 cf Outflow=0.00 cfs 58 cf
Pond 85P: Swale 118	Peak Elev=0.08' Storage=8 cf Inflow=0.00 cfs 37 cf Outflow=0.00 cfs 37 cf
Pond 87P: Swale 119	Peak Elev=0.07' Storage=6 cf Inflow=0.00 cfs 31 cf Outflow=0.00 cfs 31 cf
Pond 89P: Swale 29	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 91P: Swale 30	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 94P: Swale 31	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 95P: Swale 32	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 98P: Swale 33	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 99P: Swale 34	Peak Elev=0.11' Storage=27 cf Inflow=0.01 cfs 131 cf Outflow=0.00 cfs 131 cf
Pond 113P: Swale 38	Peak Elev=0.04' Storage=9 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 115P: Swale 39	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 117P: Swale 42	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 119P: Swale 40	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 121P: Swale 41	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf

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Pond 123P: Swale 44	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 125P: Swale 45	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 128P: Swale 48	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 129P: Swale 49	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 131P: Swale 50	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 133P: Swale 51	Peak Elev=0.08' Storage=14 cf Inflow=0.00 cfs 69 cf Outflow=0.00 cfs 69 cf
Pond 135P: Swale 52	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 137P: Swale 53	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 139P: Swale 54	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 141P: Swale 55	Peak Elev=0.08' Storage=15 cf Inflow=0.01 cfs 71 cf Outflow=0.00 cfs 71 cf
Pond 143P: Swale 60	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 145P: Swale 61	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 147P: Swale 62	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 149P: Swale 81	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 151P: Swale 82	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 154P: Swale 83	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 155P: Swale 84	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf

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Pond 160P: Swale 85	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 161P: Swale 86	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 162P: Swale 87	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 163P: Swale 88	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 165P: Swale 89	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 167P: Swale 80	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 169P: Swale 104	Peak Elev=0.14' Storage=25 cf Inflow=0.01 cfs 124 cf Outflow=0.00 cfs 124 cf
Pond 171P: Swale 105	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 40 cf Outflow=0.00 cfs 40 cf
Pond 174P: Swale 106	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 40 cf Outflow=0.00 cfs 40 cf
Pond 175P: Swale 107	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 40 cf Outflow=0.00 cfs 40 cf
Pond 178P: Swale 108	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 40 cf Outflow=0.00 cfs 40 cf
Pond 181P: Swale 74	Peak Elev=0.16' Storage=28 cf Inflow=0.01 cfs 139 cf Outflow=0.00 cfs 139 cf
Pond 183P: Swale 75	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 185P: Swale 76	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 187P: Swale 78	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 190P: Swale 79	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 192P: Swale 70	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 194P: Swale 72	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf

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Pond 196P: Swale 73	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 198P: Swale 12	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 200P: Swale 13	Peak Elev=0.06' Storage=10 cf Inflow=0.00 cfs 50 cf Outflow=0.00 cfs 50 cf
Pond 208P: Swale 22	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 107 cf Outflow=0.00 cfs 107 cf
Pond 210P: Swale 25	Peak Elev=0.05' Storage=10 cf Inflow=0.00 cfs 49 cf Outflow=0.00 cfs 49 cf
Pond 212P: Swale 26	Peak Elev=0.08' Storage=17 cf Inflow=0.01 cfs 82 cf Outflow=0.00 cfs 82 cf
Pond 214P: Swale 46	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 216P: Swale 47	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 218P: Swale 14	Peak Elev=0.06' Storage=11 cf Inflow=0.00 cfs 54 cf Outflow=0.00 cfs 54 cf
Pond 220P: Swale 15	Peak Elev=0.06' Storage=12 cf Inflow=0.00 cfs 57 cf Outflow=0.00 cfs 57 cf
Pond 222P: Swale 11	Peak Elev=0.17' Storage=30 cf Inflow=0.01 cfs 148 cf Outflow=0.00 cfs 148 cf
Pond 224P: Swale 16	Peak Elev=1,598.28' Storage=23 cf Inflow=0.01 cfs 113 cf Discarded=0.00 cfs 113 cf Primary=0.00 cfs 0 cf Outflow=0.00 cfs 113 cf
Pond 226P: Swale 17	Peak Elev=1,598.54' Storage=82 cf Inflow=0.03 cfs 425 cf Discarded=0.01 cfs 425 cf Primary=0.00 cfs 0 cf Outflow=0.01 cfs 425 cf
Pond 228P: Swale 20	Peak Elev=1,598.73' Storage=41 cf Inflow=0.01 cfs 207 cf Discarded=0.01 cfs 207 cf Primary=0.00 cfs 0 cf Outflow=0.01 cfs 207 cf
Pond 230P: Swale 23	Peak Elev=0.15' Storage=32 cf Inflow=0.01 cfs 158 cf Outflow=0.00 cfs 158 cf
Pond 232P: Swale 24	Peak Elev=0.12' Storage=37 cf Inflow=0.01 cfs 181 cf Outflow=0.00 cfs 181 cf
Pond 234P: Swale 27	Peak Elev=0.17' Storage=21 cf Inflow=0.01 cfs 104 cf Outflow=0.00 cfs 104 cf

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Pond 236P: Swale 28	Peak Elev=0.05' Storage=14 cf Inflow=0.00 cfs 69 cf Outflow=0.00 cfs 69 cf
Pond 238P: Swale 43	Peak Elev=0.08' Storage=14 cf Inflow=0.00 cfs 69 cf Outflow=0.00 cfs 69 cf
Pond 240P: Swale 56	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 46 cf Outflow=0.00 cfs 46 cf
Pond 242P: Swale 57	Peak Elev=0.12' Storage=25 cf Inflow=0.01 cfs 123 cf Outflow=0.00 cfs 123 cf
Pond 244P: Swale 58	Peak Elev=0.05' Storage=10 cf Inflow=0.00 cfs 47 cf Outflow=0.00 cfs 47 cf
Pond 246P: Swale 59	Peak Elev=0.07' Storage=15 cf Inflow=0.01 cfs 75 cf Outflow=0.00 cfs 75 cf
Pond 248P: Swale 63	Peak Elev=0.19' Storage=34 cf Inflow=0.01 cfs 170 cf Outflow=0.00 cfs 170 cf
Pond 250P: Swale 64	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 40 cf Outflow=0.00 cfs 40 cf
Pond 252P: Swale 65	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 40 cf Outflow=0.00 cfs 40 cf
Pond 254P: Swale 66	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 40 cf Outflow=0.00 cfs 40 cf
Pond 256P: Swale 67	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 40 cf Outflow=0.00 cfs 40 cf
Pond 258P: Swale 68	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 96 cf Outflow=0.00 cfs 96 cf
Pond 260P: Swale 69	Peak Elev=0.08' Storage=15 cf Inflow=0.01 cfs 71 cf Outflow=0.00 cfs 71 cf
Pond 262P: Swale 71	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 44 cf Outflow=0.00 cfs 44 cf
Pond 264P: Swale 77	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 266P: Swale 90	Peak Elev=0.14' Storage=24 cf Inflow=0.01 cfs 116 cf Outflow=0.00 cfs 116 cf
Pond 268P: Swale 91	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 39 cf Outflow=0.00 cfs 39 cf
Pond 270P: Swale 92	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 39 cf Outflow=0.00 cfs 39 cf

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Pond 272P: Swale 93	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 39 cf Outflow=0.00 cfs 39 cf
Pond 274P: Swale 94	Peak Elev=0.13' Storage=28 cf Inflow=0.01 cfs 139 cf Outflow=0.00 cfs 139 cf
Pond 276P: Swale 95	Peak Elev=0.05' Storage=10 cf Inflow=0.00 cfs 49 cf Outflow=0.00 cfs 49 cf
Pond 278P: Swale 96	Peak Elev=0.22' Storage=45 cf Inflow=0.02 cfs 228 cf Discarded=0.01 cfs 228 cf Primary=0.00 cfs 0 cf Outflow=0.01 cfs 228 cf
Pond 280P: Swale 97	Peak Elev=0.04' Storage=10 cf Inflow=0.00 cfs 47 cf Outflow=0.00 cfs 47 cf
Pond 286P: Swale 100	Peak Elev=0.24' Storage=46 cf Inflow=0.02 cfs 233 cf Discarded=0.01 cfs 233 cf Primary=0.00 cfs 0 cf Outflow=0.01 cfs 233 cf
Pond 288P: Swale 101	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 290P: Swale 102	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 292P: Swale 103	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 41 cf Outflow=0.00 cfs 41 cf
Pond 294P: Swale 109	Peak Elev=0.03' Storage=6 cf Inflow=0.00 cfs 29 cf Outflow=0.00 cfs 29 cf
Pond 296P: Swale 110	Peak Elev=0.04' Storage=7 cf Inflow=0.00 cfs 33 cf Outflow=0.00 cfs 33 cf
Pond 298P: Swale 111	Peak Elev=0.08' Storage=15 cf Inflow=0.01 cfs 72 cf Outflow=0.00 cfs 72 cf
Pond 300P: Swale 112	Peak Elev=0.05' Storage=8 cf Inflow=0.00 cfs 40 cf Outflow=0.00 cfs 40 cf
Pond 302P: Swale 113	Peak Elev=0.05' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 304P: Swale 114	Peak Elev=0.06' Storage=9 cf Inflow=0.00 cfs 42 cf Outflow=0.00 cfs 42 cf
Pond 306P: Swale 115	Peak Elev=0.12' Storage=16 cf Inflow=0.01 cfs 80 cf Outflow=0.00 cfs 80 cf
Pond 308P: Swale 116	Peak Elev=0.07' Storage=7 cf Inflow=0.00 cfs 32 cf Outflow=0.00 cfs 32 cf

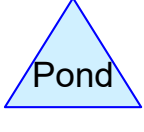
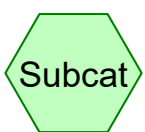
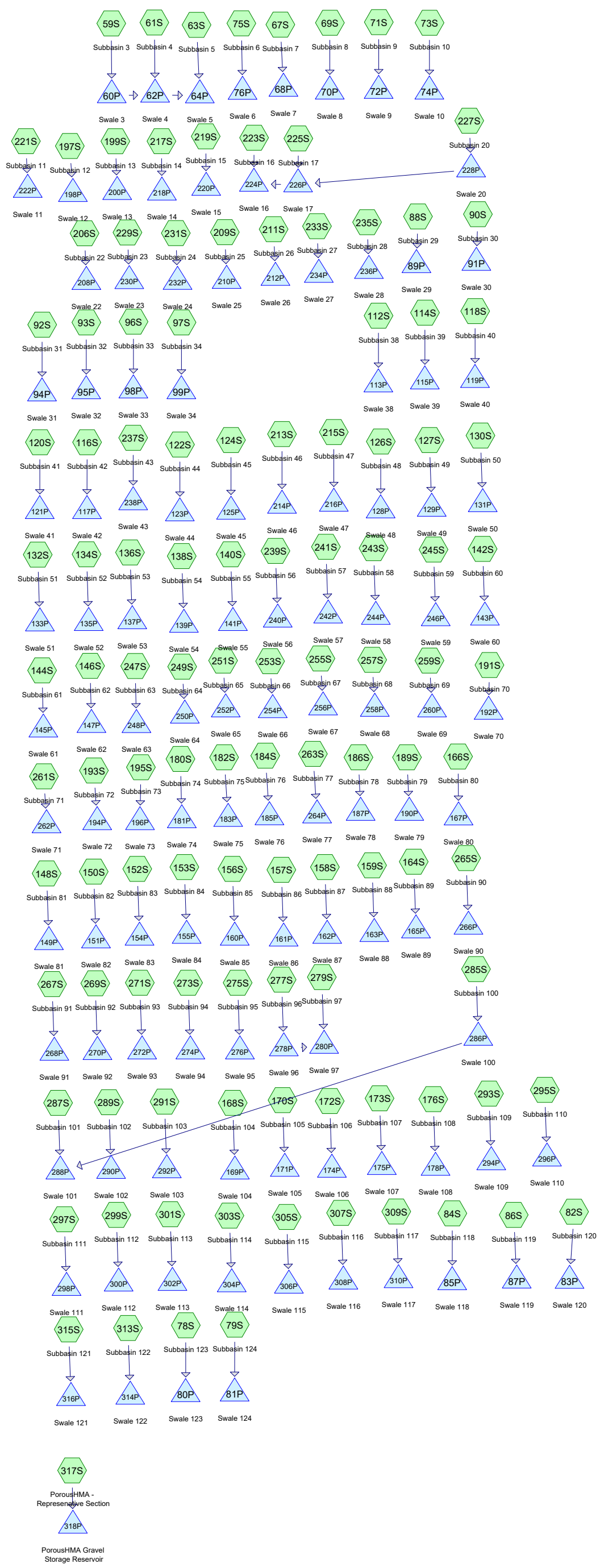
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Pond 310P: Swale 117Peak Elev=0.07' Storage=8 cf Inflow=0.00 cfs 37 cf
Outflow=0.00 cfs 37 cf**Pond 314P: Swale 122**Peak Elev=0.06' Storage=8 cf Inflow=0.00 cfs 37 cf
Outflow=0.00 cfs 37 cf**Pond 316P: Swale 121**Peak Elev=0.19' Storage=18 cf Inflow=0.01 cfs 92 cf
Outflow=0.00 cfs 92 cf**Pond 318P: PICP Gravel Storage Reservoir**Peak Elev=0.01' Storage=0.000 af Inflow=0.00 cfs 27 cf
Outflow=0.00 cfs 27 cf**Total Runoff Area = 190,692 sf Runoff Volume = 7,400 cf Average Runoff Depth = 0.47"**
0.00% Pervious = 0 sf 100.00% Impervious = 190,692 sf



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Time span=0.00-96.00 hrs, dt=0.04 hrs, 2401 points

Runoff by SBUH method, Split Pervious/Imperv.

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment59S: Subbasin 3	Runoff Area=3,426 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 309 cf
Subcatchment61S: Subbasin 4	Runoff Area=1,541 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 139 cf
Subcatchment63S: Subbasin 5	Runoff Area=790 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 71 cf
Subcatchment67S: Subbasin 7	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 87 cf
Subcatchment69S: Subbasin 8	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 87 cf
Subcatchment71S: Subbasin 9	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 87 cf
Subcatchment73S: Subbasin 10	Runoff Area=1,104 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 100 cf
Subcatchment75S: Subbasin 6	Runoff Area=790 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 71 cf
Subcatchment78S: Subbasin 123	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 87 cf
Subcatchment79S: Subbasin 124	Runoff Area=1,275 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 115 cf
Subcatchment82S: Subbasin 120	Runoff Area=1,486 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 134 cf
Subcatchment84S: Subbasin 118	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 87 cf
Subcatchment86S: Subbasin 119	Runoff Area=789 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 71 cf
Subcatchment88S: Subbasin 29	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 103 cf
Subcatchment90S: Subbasin 30	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 103 cf
Subcatchment92S: Subbasin 31	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 103 cf

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Subcatchment93S: Subbasin 32	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 103 cf
Subcatchment96S: Subbasin 33	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 103 cf
Subcatchment97S: Subbasin 34	Runoff Area=3,384 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 306 cf
Subcatchment112S: Subbasin 38	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 96 cf
Subcatchment114S: Subbasin 39	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 96 cf
Subcatchment116S: Subbasin 42	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 96 cf
Subcatchment118S: Subbasin 40	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 96 cf
Subcatchment120S: Subbasin 41	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 96 cf
Subcatchment122S: Subbasin 44	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 98 cf
Subcatchment124S: Subbasin 45	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 98 cf
Subcatchment126S: Subbasin 48	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 98 cf
Subcatchment127S: Subbasin 49	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 98 cf
Subcatchment130S: Subbasin 50	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 98 cf
Subcatchment132S: Subbasin 51	Runoff Area=1,790 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 162 cf
Subcatchment134S: Subbasin 52	Runoff Area=1,138 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 103 cf
Subcatchment136S: Subbasin 53	Runoff Area=1,138 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 103 cf
Subcatchment138S: Subbasin 54	Runoff Area=1,138 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 103 cf
Subcatchment140S: Subbasin 55	Runoff Area=1,842 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 166 cf

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Subcatchment 142S: Subbasin 60	Runoff Area=1,070 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 97 cf
Subcatchment 144S: Subbasin 61	Runoff Area=1,070 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 97 cf
Subcatchment 146S: Subbasin 62	Runoff Area=1,070 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 97 cf
Subcatchment 148S: Subbasin 81	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment 150S: Subbasin 82	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment 152S: Subbasin 83	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment 153S: Subbasin 84	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment 156S: Subbasin 85	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment 157S: Subbasin 86	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment 158S: Subbasin 87	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment 159S: Subbasin 88	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment 164S: Subbasin 89	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment 166S: Subbasin 80	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment 168S: Subbasin 104	Runoff Area=3,187 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 288 cf
Subcatchment 170S: Subbasin 105	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 92 cf
Subcatchment 172S: Subbasin 106	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 92 cf
Subcatchment 173S: Subbasin 107	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 92 cf

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Subcatchment176S: Subbasin 108	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 92 cf
Subcatchment180S: Subbasin 74	Runoff Area=3,570 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 322 cf
Subcatchment182S: Subbasin 75	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment184S: Subbasin 76	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment186S: Subbasin 78	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment189S: Subbasin 79	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment191S: Subbasin 70	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 102 cf
Subcatchment193S: Subbasin 72	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 102 cf
Subcatchment195S: Subbasin 73	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 102 cf
Subcatchment197S: Subbasin 12	Runoff Area=1,127 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 102 cf
Subcatchment199S: Subbasin 13	Runoff Area=1,278 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 115 cf
Subcatchment206S: Subbasin 22	Runoff Area=2,747 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 248 cf
Subcatchment209S: Subbasin 25	Runoff Area=1,250 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 113 cf
Subcatchment211S: Subbasin 26	Runoff Area=2,110 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 191 cf
Subcatchment213S: Subbasin 46	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 98 cf
Subcatchment215S: Subbasin 47	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 98 cf
Subcatchment217S: Subbasin 14	Runoff Area=1,391 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 126 cf
Subcatchment219S: Subbasin 15	Runoff Area=1,465 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 132 cf

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Subcatchment221S: Subbasin 11	Runoff Area=3,825 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 345 cf
Subcatchment223S: Subbasin 16	Runoff Area=2,904 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 262 cf
Subcatchment225S: Subbasin 17	Runoff Area=10,951 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.07 cfs 989 cf
Subcatchment227S: Subbasin 20	Runoff Area=5,327 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 481 cf
Subcatchment229S: Subbasin 23	Runoff Area=4,070 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 368 cf
Subcatchment231S: Subbasin 24	Runoff Area=4,659 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 421 cf
Subcatchment233S: Subbasin 27	Runoff Area=2,676 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 242 cf
Subcatchment235S: Subbasin 28	Runoff Area=1,769 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 160 cf
Subcatchment237S: Subbasin 43	Runoff Area=1,772 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 160 cf
Subcatchment239S: Subbasin 56	Runoff Area=1,178 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 106 cf
Subcatchment241S: Subbasin 57	Runoff Area=3,159 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 285 cf
Subcatchment243S: Subbasin 58	Runoff Area=1,217 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 110 cf
Subcatchment245S: Subbasin 59	Runoff Area=1,921 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 173 cf
Subcatchment247S: Subbasin 63	Runoff Area=4,378 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 395 cf
Subcatchment249S: Subbasin 64	Runoff Area=1,030 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 93 cf
Subcatchment251S: Subbasin 65	Runoff Area=1,030 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 93 cf
Subcatchment253S: Subbasin 66	Runoff Area=1,030 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 93 cf

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Type IA 24-hr 10-Year Rainfall=1.30"

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Subcatchment255S: Subbasin 67	Runoff Area=1,029 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 93 cf
Subcatchment257S: Subbasin 68	Runoff Area=2,485 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 224 cf
Subcatchment259S: Subbasin 69	Runoff Area=1,839 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 166 cf
Subcatchment261S: Subbasin 71	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 102 cf
Subcatchment263S: Subbasin 77	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 95 cf
Subcatchment265S: Subbasin 90	Runoff Area=2,998 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 271 cf
Subcatchment267S: Subbasin 91	Runoff Area=1,009 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 91 cf
Subcatchment269S: Subbasin 92	Runoff Area=1,009 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 91 cf
Subcatchment271S: Subbasin 93	Runoff Area=1,009 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 91 cf
Subcatchment273S: Subbasin 94	Runoff Area=3,592 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 324 cf
Subcatchment275S: Subbasin 95	Runoff Area=1,253 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 113 cf
Subcatchment277S: Subbasin 96	Runoff Area=5,864 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.04 cfs 530 cf
Subcatchment279S: Subbasin 97	Runoff Area=1,218 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 110 cf
Subcatchment285S: Subbasin 100	Runoff Area=6,007 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.04 cfs 542 cf
Subcatchment287S: Subbasin 101	Runoff Area=1,064 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 96 cf
Subcatchment289S: Subbasin 102	Runoff Area=1,064 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 96 cf
Subcatchment291S: Subbasin 103	Runoff Area=1,064 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 96 cf
Subcatchment293S: Subbasin 109	Runoff Area=742 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 67 cf

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Subcatchment295S: Subbasin 110	Runoff Area=838 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 76 cf
Subcatchment297S: Subbasin 111	Runoff Area=1,854 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 167 cf
Subcatchment299S: Subbasin 112	Runoff Area=1,037 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 94 cf
Subcatchment301S: Subbasin 113	Runoff Area=1,080 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 98 cf
Subcatchment303S: Subbasin 114	Runoff Area=1,080 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 98 cf
Subcatchment305S: Subbasin 115	Runoff Area=2,050 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 185 cf
Subcatchment307S: Subbasin 116	Runoff Area=816 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 74 cf
Subcatchment309S: Subbasin 117	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 87 cf
Subcatchment313S: Subbasin 122	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 87 cf
Subcatchment315S: Subbasin 121	Runoff Area=2,367 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 214 cf
Subcatchment317S: PICP - Represenative	Runoff Area=700 sf 100.00% Impervious Runoff Depth=1.08" Tc=5.0 min CN=0/98 Runoff=0.00 cfs 63 cf
Pond 60P: Swale 3	Peak Elev=0.49' Storage=49 cf Inflow=0.02 cfs 309 cf Discarded=0.01 cfs 294 cf Primary=0.01 cfs 15 cf Outflow=0.02 cfs 309 cf
Pond 62P: Swale 4	Peak Elev=0.37' Storage=39 cf Inflow=0.02 cfs 154 cf Discarded=0.01 cfs 154 cf Primary=0.00 cfs 0 cf Outflow=0.01 cfs 154 cf
Pond 64P: Swale 5	Peak Elev=0.16' Storage=15 cf Inflow=0.01 cfs 71 cf Outflow=0.00 cfs 71 cf
Pond 68P: Swale 7	Peak Elev=0.15' Storage=18 cf Inflow=0.01 cfs 87 cf Outflow=0.00 cfs 87 cf
Pond 70P: Swale 8	Peak Elev=0.15' Storage=18 cf Inflow=0.01 cfs 87 cf Outflow=0.00 cfs 87 cf
Pond 72P: Swale 9	Peak Elev=0.15' Storage=18 cf Inflow=0.01 cfs 87 cf Outflow=0.00 cfs 87 cf

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Pond 74P: Swale 10	Peak Elev=0.15' Storage=21 cf Inflow=0.01 cfs 100 cf Outflow=0.00 cfs 100 cf
Pond 76P: Swale 6	Peak Elev=0.16' Storage=15 cf Inflow=0.01 cfs 71 cf Outflow=0.00 cfs 71 cf
Pond 80P: Swale 123	Peak Elev=0.15' Storage=18 cf Inflow=0.01 cfs 87 cf Outflow=0.00 cfs 87 cf
Pond 81P: Swale 124	Peak Elev=0.20' Storage=24 cf Inflow=0.01 cfs 115 cf Outflow=0.00 cfs 115 cf
Pond 83P: Swale 120	Peak Elev=0.28' Storage=27 cf Inflow=0.01 cfs 134 cf Outflow=0.00 cfs 134 cf
Pond 85P: Swale 118	Peak Elev=0.19' Storage=18 cf Inflow=0.01 cfs 87 cf Outflow=0.00 cfs 87 cf
Pond 87P: Swale 119	Peak Elev=0.16' Storage=15 cf Inflow=0.01 cfs 71 cf Outflow=0.00 cfs 71 cf
Pond 89P: Swale 29	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 103 cf Outflow=0.00 cfs 103 cf
Pond 91P: Swale 30	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 103 cf Outflow=0.00 cfs 103 cf
Pond 94P: Swale 31	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 103 cf Outflow=0.00 cfs 103 cf
Pond 95P: Swale 32	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 103 cf Outflow=0.00 cfs 103 cf
Pond 98P: Swale 33	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 103 cf Outflow=0.00 cfs 103 cf
Pond 99P: Swale 34	Peak Elev=0.25' Storage=64 cf Inflow=0.02 cfs 306 cf Outflow=0.01 cfs 306 cf
Pond 113P: Swale 38	Peak Elev=0.10' Storage=21 cf Inflow=0.01 cfs 96 cf Outflow=0.00 cfs 96 cf
Pond 115P: Swale 39	Peak Elev=0.11' Storage=21 cf Inflow=0.01 cfs 96 cf Outflow=0.00 cfs 96 cf
Pond 117P: Swale 42	Peak Elev=0.11' Storage=21 cf Inflow=0.01 cfs 96 cf Outflow=0.00 cfs 96 cf
Pond 119P: Swale 40	Peak Elev=0.12' Storage=21 cf Inflow=0.01 cfs 96 cf Outflow=0.00 cfs 96 cf
Pond 121P: Swale 41	Peak Elev=0.12' Storage=21 cf Inflow=0.01 cfs 96 cf Outflow=0.00 cfs 96 cf

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Pond 123P: Swale 44	Peak Elev=0.11' Storage=21 cf Inflow=0.01 cfs 98 cf Outflow=0.00 cfs 98 cf
Pond 125P: Swale 45	Peak Elev=0.11' Storage=21 cf Inflow=0.01 cfs 98 cf Outflow=0.00 cfs 98 cf
Pond 128P: Swale 48	Peak Elev=0.11' Storage=21 cf Inflow=0.01 cfs 98 cf Outflow=0.00 cfs 98 cf
Pond 129P: Swale 49	Peak Elev=0.11' Storage=21 cf Inflow=0.01 cfs 98 cf Outflow=0.00 cfs 98 cf
Pond 131P: Swale 50	Peak Elev=0.11' Storage=21 cf Inflow=0.01 cfs 98 cf Outflow=0.00 cfs 98 cf
Pond 133P: Swale 51	Peak Elev=0.18' Storage=34 cf Inflow=0.01 cfs 162 cf Outflow=0.00 cfs 162 cf
Pond 135P: Swale 52	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 103 cf Outflow=0.00 cfs 103 cf
Pond 137P: Swale 53	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 103 cf Outflow=0.00 cfs 103 cf
Pond 139P: Swale 54	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 103 cf Outflow=0.00 cfs 103 cf
Pond 141P: Swale 55	Peak Elev=0.17' Storage=35 cf Inflow=0.01 cfs 166 cf Outflow=0.00 cfs 166 cf
Pond 143P: Swale 60	Peak Elev=0.12' Storage=21 cf Inflow=0.01 cfs 97 cf Outflow=0.00 cfs 97 cf
Pond 145P: Swale 61	Peak Elev=0.12' Storage=21 cf Inflow=0.01 cfs 97 cf Outflow=0.00 cfs 97 cf
Pond 147P: Swale 62	Peak Elev=0.12' Storage=21 cf Inflow=0.01 cfs 97 cf Outflow=0.00 cfs 97 cf
Pond 149P: Swale 81	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 151P: Swale 82	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 154P: Swale 83	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 155P: Swale 84	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf

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Pond 160P: Swale 85	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 161P: Swale 86	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 162P: Swale 87	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 163P: Swale 88	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 165P: Swale 89	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 167P: Swale 80	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 169P: Swale 104	Peak Elev=0.31' Storage=59 cf Inflow=0.02 cfs 288 cf Outflow=0.01 cfs 288 cf
Pond 171P: Swale 105	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 92 cf Outflow=0.00 cfs 92 cf
Pond 174P: Swale 106	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 92 cf Outflow=0.00 cfs 92 cf
Pond 175P: Swale 107	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 92 cf Outflow=0.00 cfs 92 cf
Pond 178P: Swale 108	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 92 cf Outflow=0.00 cfs 92 cf
Pond 181P: Swale 74	Peak Elev=0.35' Storage=65 cf Inflow=0.02 cfs 322 cf Outflow=0.01 cfs 322 cf
Pond 183P: Swale 75	Peak Elev=0.12' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 185P: Swale 76	Peak Elev=0.12' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 187P: Swale 78	Peak Elev=0.12' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 190P: Swale 79	Peak Elev=0.12' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 192P: Swale 70	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 102 cf Outflow=0.00 cfs 102 cf
Pond 194P: Swale 72	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 102 cf Outflow=0.00 cfs 102 cf

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Pond 196P: Swale 73	Peak Elev=0.11' Storage=22 cf Inflow=0.01 cfs 102 cf Outflow=0.00 cfs 102 cf
Pond 198P: Swale 12	Peak Elev=0.12' Storage=22 cf Inflow=0.01 cfs 102 cf Outflow=0.00 cfs 102 cf
Pond 200P: Swale 13	Peak Elev=0.14' Storage=25 cf Inflow=0.01 cfs 115 cf Outflow=0.00 cfs 115 cf
Pond 208P: Swale 22	Peak Elev=0.24' Storage=52 cf Inflow=0.02 cfs 248 cf Outflow=0.01 cfs 248 cf
Pond 210P: Swale 25	Peak Elev=0.11' Storage=24 cf Inflow=0.01 cfs 113 cf Outflow=0.00 cfs 113 cf
Pond 212P: Swale 26	Peak Elev=0.18' Storage=40 cf Inflow=0.01 cfs 191 cf Outflow=0.01 cfs 191 cf
Pond 214P: Swale 46	Peak Elev=0.12' Storage=21 cf Inflow=0.01 cfs 98 cf Outflow=0.00 cfs 98 cf
Pond 216P: Swale 47	Peak Elev=0.12' Storage=21 cf Inflow=0.01 cfs 98 cf Outflow=0.00 cfs 98 cf
Pond 218P: Swale 14	Peak Elev=0.14' Storage=27 cf Inflow=0.01 cfs 126 cf Outflow=0.00 cfs 126 cf
Pond 220P: Swale 15	Peak Elev=0.15' Storage=28 cf Inflow=0.01 cfs 132 cf Outflow=0.00 cfs 132 cf
Pond 222P: Swale 11	Peak Elev=0.37' Storage=69 cf Inflow=0.02 cfs 345 cf Outflow=0.01 cfs 345 cf
Pond 224P: Swale 16	Peak Elev=1,598.64' Storage=111 cf Inflow=0.07 cfs 382 cf Discarded=0.02 cfs 356 cf Primary=0.03 cfs 26 cf Outflow=0.05 cfs 382 cf
Pond 226P: Swale 17	Peak Elev=1,598.68' Storage=120 cf Inflow=0.07 cfs 989 cf Discarded=0.02 cfs 869 cf Primary=0.05 cfs 120 cf Outflow=0.07 cfs 989 cf
Pond 228P: Swale 20	Peak Elev=1,598.97' Storage=96 cf Inflow=0.03 cfs 481 cf Discarded=0.01 cfs 481 cf Primary=0.00 cfs 0 cf Outflow=0.01 cfs 481 cf
Pond 230P: Swale 23	Peak Elev=0.33' Storage=75 cf Inflow=0.03 cfs 368 cf Outflow=0.01 cfs 368 cf
Pond 232P: Swale 24	Peak Elev=0.27' Storage=87 cf Inflow=0.03 cfs 421 cf Outflow=0.01 cfs 421 cf
Pond 234P: Swale 27	Peak Elev=0.36' Storage=49 cf Inflow=0.02 cfs 242 cf Outflow=0.01 cfs 242 cf

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Pond 236P: Swale 28	Peak Elev=0.12' Storage=34 cf Inflow=0.01 cfs 160 cf Outflow=0.00 cfs 160 cf
Pond 238P: Swale 43	Peak Elev=0.18' Storage=34 cf Inflow=0.01 cfs 160 cf Outflow=0.00 cfs 160 cf
Pond 240P: Swale 56	Peak Elev=0.11' Storage=23 cf Inflow=0.01 cfs 106 cf Outflow=0.00 cfs 106 cf
Pond 242P: Swale 57	Peak Elev=0.27' Storage=59 cf Inflow=0.02 cfs 285 cf Outflow=0.01 cfs 285 cf
Pond 244P: Swale 58	Peak Elev=0.12' Storage=23 cf Inflow=0.01 cfs 110 cf Outflow=0.00 cfs 110 cf
Pond 246P: Swale 59	Peak Elev=0.17' Storage=37 cf Inflow=0.01 cfs 173 cf Outflow=0.00 cfs 173 cf
Pond 248P: Swale 63	Peak Elev=0.41' Storage=79 cf Inflow=0.03 cfs 395 cf Outflow=0.01 cfs 395 cf
Pond 250P: Swale 64	Peak Elev=0.12' Storage=20 cf Inflow=0.01 cfs 93 cf Outflow=0.00 cfs 93 cf
Pond 252P: Swale 65	Peak Elev=0.12' Storage=20 cf Inflow=0.01 cfs 93 cf Outflow=0.00 cfs 93 cf
Pond 254P: Swale 66	Peak Elev=0.12' Storage=20 cf Inflow=0.01 cfs 93 cf Outflow=0.00 cfs 93 cf
Pond 256P: Swale 67	Peak Elev=0.12' Storage=20 cf Inflow=0.01 cfs 93 cf Outflow=0.00 cfs 93 cf
Pond 258P: Swale 68	Peak Elev=0.25' Storage=47 cf Inflow=0.02 cfs 224 cf Outflow=0.01 cfs 224 cf
Pond 260P: Swale 69	Peak Elev=0.19' Storage=35 cf Inflow=0.01 cfs 166 cf Outflow=0.00 cfs 166 cf
Pond 262P: Swale 71	Peak Elev=0.12' Storage=22 cf Inflow=0.01 cfs 102 cf Outflow=0.00 cfs 102 cf
Pond 264P: Swale 77	Peak Elev=0.11' Storage=20 cf Inflow=0.01 cfs 95 cf Outflow=0.00 cfs 95 cf
Pond 266P: Swale 90	Peak Elev=0.30' Storage=56 cf Inflow=0.02 cfs 271 cf Outflow=0.01 cfs 271 cf
Pond 268P: Swale 91	Peak Elev=0.12' Storage=20 cf Inflow=0.01 cfs 91 cf Outflow=0.00 cfs 91 cf
Pond 270P: Swale 92	Peak Elev=0.12' Storage=19 cf Inflow=0.01 cfs 91 cf Outflow=0.00 cfs 91 cf

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Pond 272P: Swale 93	Peak Elev=0.12' Storage=19 cf Inflow=0.01 cfs 91 cf Outflow=0.00 cfs 91 cf
Pond 274P: Swale 94	Peak Elev=0.28' Storage=67 cf Inflow=0.02 cfs 324 cf Outflow=0.01 cfs 324 cf
Pond 276P: Swale 95	Peak Elev=0.11' Storage=24 cf Inflow=0.01 cfs 113 cf Outflow=0.00 cfs 113 cf
Pond 278P: Swale 96	Peak Elev=0.46' Storage=105 cf Inflow=0.04 cfs 530 cf Discarded=0.02 cfs 530 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 530 cf
Pond 280P: Swale 97	Peak Elev=0.09' Storage=24 cf Inflow=0.01 cfs 110 cf Outflow=0.00 cfs 110 cf
Pond 286P: Swale 100	Peak Elev=0.48' Storage=101 cf Inflow=0.04 cfs 542 cf Discarded=0.02 cfs 532 cf Primary=0.01 cfs 10 cf Outflow=0.03 cfs 542 cf
Pond 288P: Swale 101	Peak Elev=0.16' Storage=29 cf Inflow=0.02 cfs 106 cf Outflow=0.00 cfs 106 cf
Pond 290P: Swale 102	Peak Elev=0.11' Storage=21 cf Inflow=0.01 cfs 96 cf Outflow=0.00 cfs 96 cf
Pond 292P: Swale 103	Peak Elev=0.11' Storage=21 cf Inflow=0.01 cfs 96 cf Outflow=0.00 cfs 96 cf
Pond 294P: Swale 109	Peak Elev=0.08' Storage=15 cf Inflow=0.00 cfs 67 cf Outflow=0.00 cfs 67 cf
Pond 296P: Swale 110	Peak Elev=0.08' Storage=16 cf Inflow=0.01 cfs 76 cf Outflow=0.00 cfs 76 cf
Pond 298P: Swale 111	Peak Elev=0.18' Storage=35 cf Inflow=0.01 cfs 167 cf Outflow=0.00 cfs 167 cf
Pond 300P: Swale 112	Peak Elev=0.12' Storage=20 cf Inflow=0.01 cfs 94 cf Outflow=0.00 cfs 94 cf
Pond 302P: Swale 113	Peak Elev=0.12' Storage=21 cf Inflow=0.01 cfs 98 cf Outflow=0.00 cfs 98 cf
Pond 304P: Swale 114	Peak Elev=0.14' Storage=21 cf Inflow=0.01 cfs 98 cf Outflow=0.00 cfs 98 cf
Pond 306P: Swale 115	Peak Elev=0.25' Storage=38 cf Inflow=0.01 cfs 185 cf Outflow=0.01 cfs 185 cf
Pond 308P: Swale 116	Peak Elev=0.15' Storage=16 cf Inflow=0.01 cfs 74 cf Outflow=0.00 cfs 74 cf

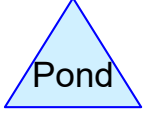
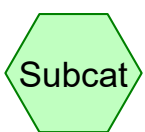
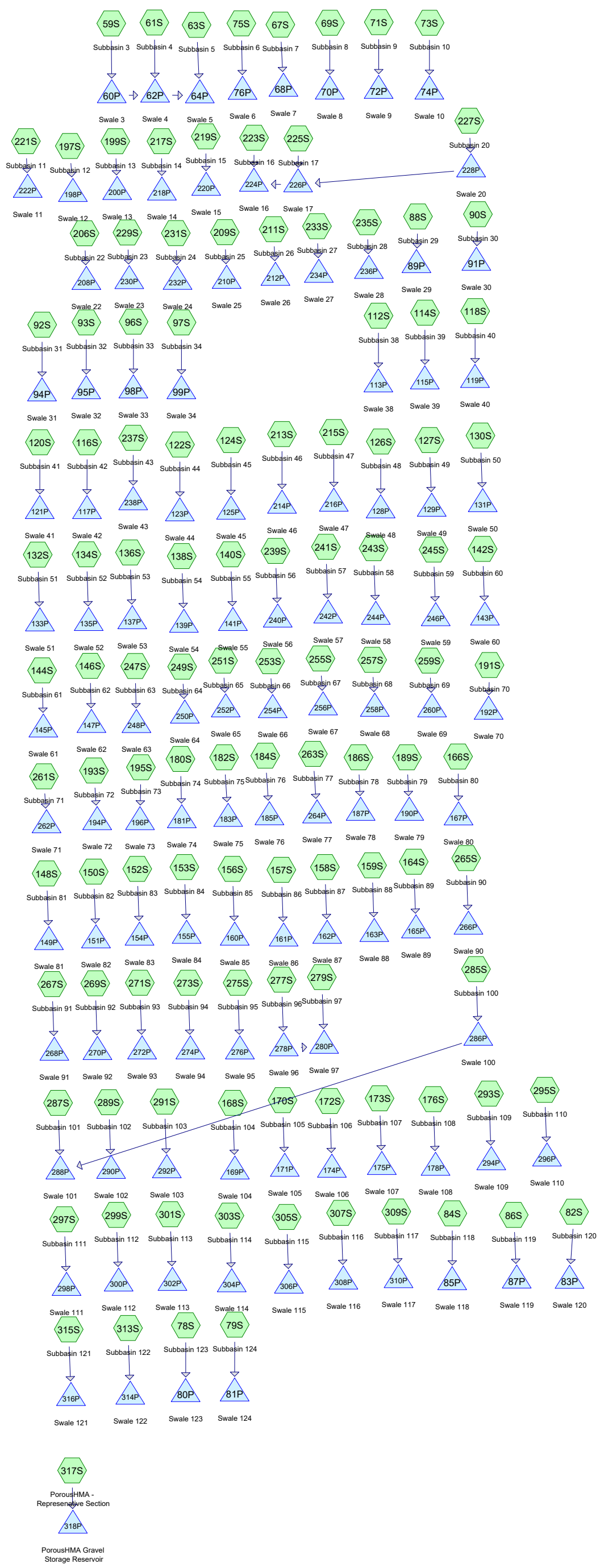
190390 Ellensberg Gateway 2*Type IA 24-hr 10-Year Rainfall=1.30"*

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Pond 310P: Swale 117Peak Elev=0.15' Storage=18 cf Inflow=0.01 cfs 87 cf
Outflow=0.00 cfs 87 cf**Pond 314P: Swale 122**Peak Elev=0.14' Storage=18 cf Inflow=0.01 cfs 87 cf
Outflow=0.00 cfs 87 cf**Pond 316P: Swale 121**Peak Elev=0.39' Storage=42 cf Inflow=0.02 cfs 214 cf
Outflow=0.01 cfs 214 cf**Pond 318P: PICP Gravel Storage Reservoir**Peak Elev=0.03' Storage=0.000 af Inflow=0.00 cfs 63 cf
Outflow=0.00 cfs 63 cf**Total Runoff Area = 190,692 sf Runoff Volume = 17,219 cf Average Runoff Depth = 1.08"**
0.00% Pervious = 0 sf 100.00% Impervious = 190,692 sf



Routing Diagram for 190390 Ellensberg Gateway 2
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Type IA 24-hr 25-Year Rainfall=1.60"

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Time span=0.00-96.00 hrs, dt=0.04 hrs, 2401 points

Runoff by SBUH method, Split Pervious/Imperv.

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment59S: Subbasin 3	Runoff Area=3,426 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 394 cf
Subcatchment61S: Subbasin 4	Runoff Area=1,541 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 177 cf
Subcatchment63S: Subbasin 5	Runoff Area=790 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 91 cf
Subcatchment67S: Subbasin 7	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 111 cf
Subcatchment69S: Subbasin 8	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 111 cf
Subcatchment71S: Subbasin 9	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 111 cf
Subcatchment73S: Subbasin 10	Runoff Area=1,104 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 127 cf
Subcatchment75S: Subbasin 6	Runoff Area=790 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 91 cf
Subcatchment78S: Subbasin 123	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 111 cf
Subcatchment79S: Subbasin 124	Runoff Area=1,275 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 146 cf
Subcatchment82S: Subbasin 120	Runoff Area=1,486 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 171 cf
Subcatchment84S: Subbasin 118	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 111 cf
Subcatchment86S: Subbasin 119	Runoff Area=789 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 91 cf
Subcatchment88S: Subbasin 29	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 132 cf
Subcatchment90S: Subbasin 30	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 132 cf
Subcatchment92S: Subbasin 31	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 132 cf

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Subcatchment93S: Subbasin 32	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 132 cf
Subcatchment96S: Subbasin 33	Runoff Area=1,146 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 132 cf
Subcatchment97S: Subbasin 34	Runoff Area=3,384 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 389 cf
Subcatchment112S: Subbasin 38	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 123 cf
Subcatchment114S: Subbasin 39	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 123 cf
Subcatchment116S: Subbasin 42	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 123 cf
Subcatchment118S: Subbasin 40	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 123 cf
Subcatchment120S: Subbasin 41	Runoff Area=1,068 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 123 cf
Subcatchment122S: Subbasin 44	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 125 cf
Subcatchment124S: Subbasin 45	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 125 cf
Subcatchment126S: Subbasin 48	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 125 cf
Subcatchment127S: Subbasin 49	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 125 cf
Subcatchment130S: Subbasin 50	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 125 cf
Subcatchment132S: Subbasin 51	Runoff Area=1,790 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 206 cf
Subcatchment134S: Subbasin 52	Runoff Area=1,138 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 131 cf
Subcatchment136S: Subbasin 53	Runoff Area=1,138 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 131 cf
Subcatchment138S: Subbasin 54	Runoff Area=1,138 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 131 cf
Subcatchment140S: Subbasin 55	Runoff Area=1,842 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 212 cf

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Subcatchment 142S: Subbasin 60	Runoff Area=1,070 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 123 cf
Subcatchment 144S: Subbasin 61	Runoff Area=1,070 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 123 cf
Subcatchment 146S: Subbasin 62	Runoff Area=1,070 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 123 cf
Subcatchment 148S: Subbasin 81	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment 150S: Subbasin 82	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment 152S: Subbasin 83	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment 153S: Subbasin 84	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment 156S: Subbasin 85	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment 157S: Subbasin 86	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment 158S: Subbasin 87	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment 159S: Subbasin 88	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment 164S: Subbasin 89	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment 166S: Subbasin 80	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment 168S: Subbasin 104	Runoff Area=3,187 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 366 cf
Subcatchment 170S: Subbasin 105	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 118 cf
Subcatchment 172S: Subbasin 106	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 118 cf
Subcatchment 173S: Subbasin 107	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 118 cf

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Subcatchment176S: Subbasin 108	Runoff Area=1,023 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 118 cf
Subcatchment180S: Subbasin 74	Runoff Area=3,570 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 410 cf
Subcatchment182S: Subbasin 75	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment184S: Subbasin 76	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment186S: Subbasin 78	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment189S: Subbasin 79	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment191S: Subbasin 70	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 129 cf
Subcatchment193S: Subbasin 72	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 129 cf
Subcatchment195S: Subbasin 73	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 129 cf
Subcatchment197S: Subbasin 12	Runoff Area=1,127 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 129 cf
Subcatchment199S: Subbasin 13	Runoff Area=1,278 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 147 cf
Subcatchment206S: Subbasin 22	Runoff Area=2,747 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 316 cf
Subcatchment209S: Subbasin 25	Runoff Area=1,250 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 144 cf
Subcatchment211S: Subbasin 26	Runoff Area=2,110 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 242 cf
Subcatchment213S: Subbasin 46	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 125 cf
Subcatchment215S: Subbasin 47	Runoff Area=1,085 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 125 cf
Subcatchment217S: Subbasin 14	Runoff Area=1,391 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 160 cf
Subcatchment219S: Subbasin 15	Runoff Area=1,465 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 168 cf

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Subcatchment221S: Subbasin 11	Runoff Area=3,825 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 439 cf
Subcatchment223S: Subbasin 16	Runoff Area=2,904 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 334 cf
Subcatchment225S: Subbasin 17	Runoff Area=10,951 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.09 cfs 1,258 cf
Subcatchment227S: Subbasin 20	Runoff Area=5,327 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.04 cfs 612 cf
Subcatchment229S: Subbasin 23	Runoff Area=4,070 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 468 cf
Subcatchment231S: Subbasin 24	Runoff Area=4,659 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.04 cfs 535 cf
Subcatchment233S: Subbasin 27	Runoff Area=2,676 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 307 cf
Subcatchment235S: Subbasin 28	Runoff Area=1,769 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 203 cf
Subcatchment237S: Subbasin 43	Runoff Area=1,772 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 204 cf
Subcatchment239S: Subbasin 56	Runoff Area=1,178 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 135 cf
Subcatchment241S: Subbasin 57	Runoff Area=3,159 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 363 cf
Subcatchment243S: Subbasin 58	Runoff Area=1,217 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 140 cf
Subcatchment245S: Subbasin 59	Runoff Area=1,921 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 221 cf
Subcatchment247S: Subbasin 63	Runoff Area=4,378 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.04 cfs 503 cf
Subcatchment249S: Subbasin 64	Runoff Area=1,030 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 118 cf
Subcatchment251S: Subbasin 65	Runoff Area=1,030 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 118 cf
Subcatchment253S: Subbasin 66	Runoff Area=1,030 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 118 cf

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Subcatchment255S: Subbasin 67	Runoff Area=1,029 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 118 cf
Subcatchment257S: Subbasin 68	Runoff Area=2,485 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 286 cf
Subcatchment259S: Subbasin 69	Runoff Area=1,839 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 211 cf
Subcatchment261S: Subbasin 71	Runoff Area=1,125 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 129 cf
Subcatchment263S: Subbasin 77	Runoff Area=1,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 121 cf
Subcatchment265S: Subbasin 90	Runoff Area=2,998 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 344 cf
Subcatchment267S: Subbasin 91	Runoff Area=1,009 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 116 cf
Subcatchment269S: Subbasin 92	Runoff Area=1,009 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 116 cf
Subcatchment271S: Subbasin 93	Runoff Area=1,009 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 116 cf
Subcatchment273S: Subbasin 94	Runoff Area=3,592 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.03 cfs 413 cf
Subcatchment275S: Subbasin 95	Runoff Area=1,253 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 144 cf
Subcatchment277S: Subbasin 96	Runoff Area=5,864 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.05 cfs 674 cf
Subcatchment279S: Subbasin 97	Runoff Area=1,218 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 140 cf
Subcatchment285S: Subbasin 100	Runoff Area=6,007 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.05 cfs 690 cf
Subcatchment287S: Subbasin 101	Runoff Area=1,064 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 122 cf
Subcatchment289S: Subbasin 102	Runoff Area=1,064 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 122 cf
Subcatchment291S: Subbasin 103	Runoff Area=1,064 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 122 cf
Subcatchment293S: Subbasin 109	Runoff Area=742 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 85 cf

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Subcatchment295S: Subbasin 110	Runoff Area=838 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 96 cf
Subcatchment297S: Subbasin 111	Runoff Area=1,854 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 213 cf
Subcatchment299S: Subbasin 112	Runoff Area=1,037 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 119 cf
Subcatchment301S: Subbasin 113	Runoff Area=1,080 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 124 cf
Subcatchment303S: Subbasin 114	Runoff Area=1,080 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 124 cf
Subcatchment305S: Subbasin 115	Runoff Area=2,050 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 236 cf
Subcatchment307S: Subbasin 116	Runoff Area=816 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 94 cf
Subcatchment309S: Subbasin 117	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 111 cf
Subcatchment313S: Subbasin 122	Runoff Area=965 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 111 cf
Subcatchment315S: Subbasin 121	Runoff Area=2,367 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.02 cfs 272 cf
Subcatchment317S: PorousHMA -	Runoff Area=700 sf 100.00% Impervious Runoff Depth=1.38" Tc=5.0 min CN=0/98 Runoff=0.01 cfs 80 cf
Pond 60P: Swale 3	Peak Elev=0.50' Storage=50 cf Inflow=0.03 cfs 394 cf Discarded=0.01 cfs 354 cf Primary=0.02 cfs 40 cf Outflow=0.03 cfs 394 cf
Pond 62P: Swale 4	Peak Elev=0.48' Storage=55 cf Inflow=0.03 cfs 217 cf Discarded=0.01 cfs 208 cf Primary=0.01 cfs 9 cf Outflow=0.02 cfs 217 cf
Pond 64P: Swale 5	Peak Elev=0.28' Storage=27 cf Inflow=0.02 cfs 100 cf Outflow=0.00 cfs 100 cf
Pond 68P: Swale 7	Peak Elev=0.19' Storage=23 cf Inflow=0.01 cfs 111 cf Outflow=0.00 cfs 111 cf
Pond 70P: Swale 8	Peak Elev=0.19' Storage=23 cf Inflow=0.01 cfs 111 cf Outflow=0.00 cfs 111 cf
Pond 72P: Swale 9	Peak Elev=0.19' Storage=23 cf Inflow=0.01 cfs 111 cf Outflow=0.00 cfs 111 cf

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Pond 74P: Swale 10	Peak Elev=0.18' Storage=27 cf Inflow=0.01 cfs 127 cf Outflow=0.00 cfs 127 cf
Pond 76P: Swale 6	Peak Elev=0.20' Storage=19 cf Inflow=0.01 cfs 91 cf Outflow=0.00 cfs 91 cf
Pond 80P: Swale 123	Peak Elev=0.19' Storage=23 cf Inflow=0.01 cfs 111 cf Outflow=0.00 cfs 111 cf
Pond 81P: Swale 124	Peak Elev=0.24' Storage=30 cf Inflow=0.01 cfs 146 cf Outflow=0.00 cfs 146 cf
Pond 83P: Swale 120	Peak Elev=0.34' Storage=34 cf Inflow=0.01 cfs 171 cf Outflow=0.01 cfs 171 cf
Pond 85P: Swale 118	Peak Elev=0.23' Storage=23 cf Inflow=0.01 cfs 111 cf Outflow=0.00 cfs 111 cf
Pond 87P: Swale 119	Peak Elev=0.19' Storage=19 cf Inflow=0.01 cfs 91 cf Outflow=0.00 cfs 91 cf
Pond 89P: Swale 29	Peak Elev=0.14' Storage=28 cf Inflow=0.01 cfs 132 cf Outflow=0.00 cfs 132 cf
Pond 91P: Swale 30	Peak Elev=0.14' Storage=28 cf Inflow=0.01 cfs 132 cf Outflow=0.00 cfs 132 cf
Pond 94P: Swale 31	Peak Elev=0.14' Storage=28 cf Inflow=0.01 cfs 132 cf Outflow=0.00 cfs 132 cf
Pond 95P: Swale 32	Peak Elev=0.14' Storage=28 cf Inflow=0.01 cfs 132 cf Outflow=0.00 cfs 132 cf
Pond 98P: Swale 33	Peak Elev=0.14' Storage=28 cf Inflow=0.01 cfs 132 cf Outflow=0.00 cfs 132 cf
Pond 99P: Swale 34	Peak Elev=0.31' Storage=80 cf Inflow=0.03 cfs 389 cf Outflow=0.01 cfs 389 cf
Pond 113P: Swale 38	Peak Elev=0.13' Storage=26 cf Inflow=0.01 cfs 123 cf Outflow=0.00 cfs 123 cf
Pond 115P: Swale 39	Peak Elev=0.14' Storage=26 cf Inflow=0.01 cfs 123 cf Outflow=0.00 cfs 123 cf
Pond 117P: Swale 42	Peak Elev=0.14' Storage=26 cf Inflow=0.01 cfs 123 cf Outflow=0.00 cfs 123 cf
Pond 119P: Swale 40	Peak Elev=0.15' Storage=26 cf Inflow=0.01 cfs 123 cf Outflow=0.00 cfs 123 cf
Pond 121P: Swale 41	Peak Elev=0.15' Storage=26 cf Inflow=0.01 cfs 123 cf Outflow=0.00 cfs 123 cf

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Pond 123P: Swale 44	Peak Elev=0.14' Storage=27 cf Inflow=0.01 cfs 125 cf Outflow=0.00 cfs 125 cf
Pond 125P: Swale 45	Peak Elev=0.14' Storage=27 cf Inflow=0.01 cfs 125 cf Outflow=0.00 cfs 125 cf
Pond 128P: Swale 48	Peak Elev=0.14' Storage=27 cf Inflow=0.01 cfs 125 cf Outflow=0.00 cfs 125 cf
Pond 129P: Swale 49	Peak Elev=0.14' Storage=27 cf Inflow=0.01 cfs 125 cf Outflow=0.00 cfs 125 cf
Pond 131P: Swale 50	Peak Elev=0.14' Storage=27 cf Inflow=0.01 cfs 125 cf Outflow=0.00 cfs 125 cf
Pond 133P: Swale 51	Peak Elev=0.22' Storage=43 cf Inflow=0.01 cfs 206 cf Outflow=0.01 cfs 206 cf
Pond 135P: Swale 52	Peak Elev=0.14' Storage=28 cf Inflow=0.01 cfs 131 cf Outflow=0.00 cfs 131 cf
Pond 137P: Swale 53	Peak Elev=0.14' Storage=28 cf Inflow=0.01 cfs 131 cf Outflow=0.00 cfs 131 cf
Pond 139P: Swale 54	Peak Elev=0.14' Storage=28 cf Inflow=0.01 cfs 131 cf Outflow=0.00 cfs 131 cf
Pond 141P: Swale 55	Peak Elev=0.22' Storage=45 cf Inflow=0.02 cfs 212 cf Outflow=0.01 cfs 212 cf
Pond 143P: Swale 60	Peak Elev=0.15' Storage=26 cf Inflow=0.01 cfs 123 cf Outflow=0.00 cfs 123 cf
Pond 145P: Swale 61	Peak Elev=0.15' Storage=26 cf Inflow=0.01 cfs 123 cf Outflow=0.00 cfs 123 cf
Pond 147P: Swale 62	Peak Elev=0.15' Storage=26 cf Inflow=0.01 cfs 123 cf Outflow=0.00 cfs 123 cf
Pond 149P: Swale 81	Peak Elev=0.14' Storage=26 cf Inflow=0.01 cfs 121 cf Outflow=0.00 cfs 121 cf
Pond 151P: Swale 82	Peak Elev=0.14' Storage=26 cf Inflow=0.01 cfs 121 cf Outflow=0.00 cfs 121 cf
Pond 154P: Swale 83	Peak Elev=0.14' Storage=26 cf Inflow=0.01 cfs 121 cf Outflow=0.00 cfs 121 cf
Pond 155P: Swale 84	Peak Elev=0.14' Storage=26 cf Inflow=0.01 cfs 121 cf Outflow=0.00 cfs 121 cf

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Pond 160P: Swale 85	Peak Elev=0.14'	Storage=26 cf	Inflow=0.01 cfs	121 cf	Outflow=0.00 cfs	121 cf
Pond 161P: Swale 86	Peak Elev=0.14'	Storage=26 cf	Inflow=0.01 cfs	121 cf	Outflow=0.00 cfs	121 cf
Pond 162P: Swale 87	Peak Elev=0.14'	Storage=26 cf	Inflow=0.01 cfs	121 cf	Outflow=0.00 cfs	121 cf
Pond 163P: Swale 88	Peak Elev=0.14'	Storage=26 cf	Inflow=0.01 cfs	121 cf	Outflow=0.00 cfs	121 cf
Pond 165P: Swale 89	Peak Elev=0.14'	Storage=26 cf	Inflow=0.01 cfs	121 cf	Outflow=0.00 cfs	121 cf
Pond 167P: Swale 80	Peak Elev=0.14'	Storage=26 cf	Inflow=0.01 cfs	121 cf	Outflow=0.00 cfs	121 cf
Pond 169P: Swale 104	Peak Elev=0.39'	Storage=75 cf	Inflow=0.03 cfs	366 cf	Outflow=0.01 cfs	366 cf
Pond 171P: Swale 105	Peak Elev=0.14'	Storage=25 cf	Inflow=0.01 cfs	118 cf	Outflow=0.00 cfs	118 cf
Pond 174P: Swale 106	Peak Elev=0.14'	Storage=25 cf	Inflow=0.01 cfs	118 cf	Outflow=0.00 cfs	118 cf
Pond 175P: Swale 107	Peak Elev=0.14'	Storage=25 cf	Inflow=0.01 cfs	118 cf	Outflow=0.00 cfs	118 cf
Pond 178P: Swale 108	Peak Elev=0.14'	Storage=25 cf	Inflow=0.01 cfs	118 cf	Outflow=0.00 cfs	118 cf
Pond 181P: Swale 74	Peak Elev=0.43'	Storage=82 cf	Inflow=0.03 cfs	410 cf	Outflow=0.01 cfs	410 cf
Pond 183P: Swale 75	Peak Elev=0.15'	Storage=26 cf	Inflow=0.01 cfs	121 cf	Outflow=0.00 cfs	121 cf
Pond 185P: Swale 76	Peak Elev=0.15'	Storage=26 cf	Inflow=0.01 cfs	121 cf	Outflow=0.00 cfs	121 cf
Pond 187P: Swale 78	Peak Elev=0.15'	Storage=26 cf	Inflow=0.01 cfs	121 cf	Outflow=0.00 cfs	121 cf
Pond 190P: Swale 79	Peak Elev=0.15'	Storage=26 cf	Inflow=0.01 cfs	121 cf	Outflow=0.00 cfs	121 cf
Pond 192P: Swale 70	Peak Elev=0.14'	Storage=28 cf	Inflow=0.01 cfs	129 cf	Outflow=0.00 cfs	129 cf
Pond 194P: Swale 72	Peak Elev=0.14'	Storage=28 cf	Inflow=0.01 cfs	129 cf	Outflow=0.00 cfs	129 cf

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Pond 196P: Swale 73	Peak Elev=0.14' Storage=28 cf Inflow=0.01 cfs 129 cf Outflow=0.00 cfs 129 cf
Pond 198P: Swale 12	Peak Elev=0.15' Storage=28 cf Inflow=0.01 cfs 129 cf Outflow=0.00 cfs 129 cf
Pond 200P: Swale 13	Peak Elev=0.17' Storage=31 cf Inflow=0.01 cfs 147 cf Outflow=0.00 cfs 147 cf
Pond 208P: Swale 22	Peak Elev=0.30' Storage=65 cf Inflow=0.02 cfs 316 cf Outflow=0.01 cfs 316 cf
Pond 210P: Swale 25	Peak Elev=0.14' Storage=31 cf Inflow=0.01 cfs 144 cf Outflow=0.00 cfs 144 cf
Pond 212P: Swale 26	Peak Elev=0.22' Storage=51 cf Inflow=0.02 cfs 242 cf Outflow=0.01 cfs 242 cf
Pond 214P: Swale 46	Peak Elev=0.15' Storage=27 cf Inflow=0.01 cfs 125 cf Outflow=0.00 cfs 125 cf
Pond 216P: Swale 47	Peak Elev=0.15' Storage=27 cf Inflow=0.01 cfs 125 cf Outflow=0.00 cfs 125 cf
Pond 218P: Swale 14	Peak Elev=0.17' Storage=34 cf Inflow=0.01 cfs 160 cf Outflow=0.00 cfs 160 cf
Pond 220P: Swale 15	Peak Elev=0.18' Storage=36 cf Inflow=0.01 cfs 168 cf Outflow=0.00 cfs 168 cf
Pond 222P: Swale 11	Peak Elev=0.45' Storage=87 cf Inflow=0.03 cfs 439 cf Outflow=0.01 cfs 439 cf
Pond 224P: Swale 16	Peak Elev=1,598.66' Storage=114 cf Inflow=0.11 cfs 585 cf Discarded=0.02 cfs 438 cf Primary=0.10 cfs 147 cf Outflow=0.11 cfs 585 cf
Pond 226P: Swale 17	Peak Elev=1,598.69' Storage=122 cf Inflow=0.11 cfs 1,284 cf Discarded=0.02 cfs 1,032 cf Primary=0.09 cfs 252 cf Outflow=0.11 cfs 1,284 cf
Pond 228P: Swale 20	Peak Elev=1,599.00' Storage=104 cf Inflow=0.04 cfs 612 cf Discarded=0.02 cfs 586 cf Primary=0.03 cfs 26 cf Outflow=0.04 cfs 612 cf
Pond 230P: Swale 23	Peak Elev=0.41' Storage=95 cf Inflow=0.03 cfs 468 cf Outflow=0.01 cfs 468 cf
Pond 232P: Swale 24	Peak Elev=0.33' Storage=110 cf Inflow=0.04 cfs 535 cf Outflow=0.02 cfs 535 cf
Pond 234P: Swale 27	Peak Elev=0.44' Storage=62 cf Inflow=0.02 cfs 307 cf Outflow=0.01 cfs 307 cf

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Pond 236P: Swale 28	Peak Elev=0.15' Storage=43 cf Inflow=0.01 cfs 203 cf Outflow=0.01 cfs 203 cf
Pond 238P: Swale 43	Peak Elev=0.23' Storage=43 cf Inflow=0.01 cfs 204 cf Outflow=0.01 cfs 204 cf
Pond 240P: Swale 56	Peak Elev=0.14' Storage=29 cf Inflow=0.01 cfs 135 cf Outflow=0.00 cfs 135 cf
Pond 242P: Swale 57	Peak Elev=0.33' Storage=75 cf Inflow=0.03 cfs 363 cf Outflow=0.01 cfs 363 cf
Pond 244P: Swale 58	Peak Elev=0.15' Storage=30 cf Inflow=0.01 cfs 140 cf Outflow=0.00 cfs 140 cf
Pond 246P: Swale 59	Peak Elev=0.21' Storage=47 cf Inflow=0.02 cfs 221 cf Outflow=0.01 cfs 221 cf
Pond 248P: Swale 63	Peak Elev=0.50' Storage=100 cf Inflow=0.04 cfs 503 cf Outflow=0.02 cfs 503 cf
Pond 250P: Swale 64	Peak Elev=0.15' Storage=25 cf Inflow=0.01 cfs 118 cf Outflow=0.00 cfs 118 cf
Pond 252P: Swale 65	Peak Elev=0.14' Storage=25 cf Inflow=0.01 cfs 118 cf Outflow=0.00 cfs 118 cf
Pond 254P: Swale 66	Peak Elev=0.15' Storage=25 cf Inflow=0.01 cfs 118 cf Outflow=0.00 cfs 118 cf
Pond 256P: Swale 67	Peak Elev=0.15' Storage=25 cf Inflow=0.01 cfs 118 cf Outflow=0.00 cfs 118 cf
Pond 258P: Swale 68	Peak Elev=0.31' Storage=59 cf Inflow=0.02 cfs 286 cf Outflow=0.01 cfs 286 cf
Pond 260P: Swale 69	Peak Elev=0.23' Storage=44 cf Inflow=0.01 cfs 211 cf Outflow=0.01 cfs 211 cf
Pond 262P: Swale 71	Peak Elev=0.15' Storage=28 cf Inflow=0.01 cfs 129 cf Outflow=0.00 cfs 129 cf
Pond 264P: Swale 77	Peak Elev=0.14' Storage=26 cf Inflow=0.01 cfs 121 cf Outflow=0.00 cfs 121 cf
Pond 266P: Swale 90	Peak Elev=0.37' Storage=70 cf Inflow=0.02 cfs 344 cf Outflow=0.01 cfs 344 cf
Pond 268P: Swale 91	Peak Elev=0.14' Storage=25 cf Inflow=0.01 cfs 116 cf Outflow=0.00 cfs 116 cf
Pond 270P: Swale 92	Peak Elev=0.15' Storage=25 cf Inflow=0.01 cfs 116 cf Outflow=0.00 cfs 116 cf

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Pond 272P: Swale 93	Peak Elev=0.15' Storage=25 cf Inflow=0.01 cfs 116 cf Outflow=0.00 cfs 116 cf
Pond 274P: Swale 94	Peak Elev=0.35' Storage=85 cf Inflow=0.03 cfs 413 cf Outflow=0.01 cfs 413 cf
Pond 276P: Swale 95	Peak Elev=0.14' Storage=31 cf Inflow=0.01 cfs 144 cf Outflow=0.00 cfs 144 cf
Pond 278P: Swale 96	Peak Elev=0.49' Storage=113 cf Inflow=0.05 cfs 674 cf Discarded=0.02 cfs 643 cf Primary=0.03 cfs 31 cf Outflow=0.04 cfs 674 cf
Pond 280P: Swale 97	Peak Elev=0.19' Storage=54 cf Inflow=0.04 cfs 171 cf Outflow=0.01 cfs 171 cf
Pond 286P: Swale 100	Peak Elev=0.49' Storage=104 cf Inflow=0.05 cfs 690 cf Discarded=0.02 cfs 639 cf Primary=0.03 cfs 51 cf Outflow=0.05 cfs 690 cf
Pond 288P: Swale 101	Peak Elev=0.32' Storage=63 cf Inflow=0.04 cfs 173 cf Outflow=0.01 cfs 173 cf
Pond 290P: Swale 102	Peak Elev=0.14' Storage=26 cf Inflow=0.01 cfs 122 cf Outflow=0.00 cfs 122 cf
Pond 292P: Swale 103	Peak Elev=0.14' Storage=26 cf Inflow=0.01 cfs 122 cf Outflow=0.00 cfs 122 cf
Pond 294P: Swale 109	Peak Elev=0.10' Storage=18 cf Inflow=0.01 cfs 85 cf Outflow=0.00 cfs 85 cf
Pond 296P: Swale 110	Peak Elev=0.11' Storage=21 cf Inflow=0.01 cfs 96 cf Outflow=0.00 cfs 96 cf
Pond 298P: Swale 111	Peak Elev=0.22' Storage=45 cf Inflow=0.02 cfs 213 cf Outflow=0.01 cfs 213 cf
Pond 300P: Swale 112	Peak Elev=0.15' Storage=25 cf Inflow=0.01 cfs 119 cf Outflow=0.00 cfs 119 cf
Pond 302P: Swale 113	Peak Elev=0.15' Storage=26 cf Inflow=0.01 cfs 124 cf Outflow=0.00 cfs 124 cf
Pond 304P: Swale 114	Peak Elev=0.17' Storage=26 cf Inflow=0.01 cfs 124 cf Outflow=0.00 cfs 124 cf
Pond 306P: Swale 115	Peak Elev=0.31' Storage=48 cf Inflow=0.02 cfs 236 cf Outflow=0.01 cfs 236 cf
Pond 308P: Swale 116	Peak Elev=0.19' Storage=20 cf Inflow=0.01 cfs 94 cf Outflow=0.00 cfs 94 cf

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Pond 310P: Swale 117Peak Elev=0.19' Storage=23 cf Inflow=0.01 cfs 111 cf
Outflow=0.00 cfs 111 cf**Pond 314P: Swale 122**Peak Elev=0.18' Storage=23 cf Inflow=0.01 cfs 111 cf
Outflow=0.00 cfs 111 cf**Pond 316P: Swale 121**Peak Elev=0.48' Storage=53 cf Inflow=0.02 cfs 272 cf
Outflow=0.01 cfs 272 cf**Pond 318P: PorousHMA Gravel Storage Reservoir** Peak Elev=0.04' Storage=0.000 af Inflow=0.01 cfs 80 cf
Outflow=0.00 cfs 80 cf**Total Runoff Area = 190,692 sf Runoff Volume = 21,909 cf Average Runoff Depth = 1.38"**
0.00% Pervious = 0 sf 100.00% Impervious = 190,692 sf