

**Table C-2. Maximum Water Surface Elevations: Existing Conditions with Improvements**

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

**Blue Shaded Numbers** indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
103	15.00	13.54	14.02	14.32	14.63	<b>15.08</b>	<b>15.19</b>
105	15.00	13.41	13.89	14.19	14.50	<b>15.02</b>	<b>15.13</b>
107	15.00	12.87	13.36	13.68	14.05	14.83	14.97
109	13.00	12.07	12.75	<b>13.11</b>	<b>13.41</b>	<b>13.73</b>	<b>14.12</b>
113	11.00	5.29	6.17	6.61	7.00	7.39	7.78
115	13.20	5.29	6.17	6.61	7.00	7.39	7.78
117	11.00	5.29	6.17	6.61	7.00	7.39	7.78
119	11.00	5.29	6.17	6.61	7.00	7.39	7.78
121	13.10	5.29	6.16	6.60	6.99	7.38	7.77
123	11.79	6.06	6.64	7.21	8.01	9.25	11.27
125	11.03	5.29	6.16	6.60	6.99	7.38	7.77
127	12.03	5.29	6.16	6.60	6.99	7.38	7.77
129	11.20	5.29	6.16	6.60	6.99	7.38	7.80
131	10.73	5.29	6.16	6.60	6.99	7.42	7.86
133	11.43	5.29	6.16	6.60	6.99	7.44	7.89
135	11.25	5.29	6.16	6.60	6.99	7.44	7.89
137	10.84	5.29	6.16	6.60	7.01	7.47	7.94
138	13.00	11.96	12.53	<b>13.01</b>	<b>13.27</b>	<b>13.57</b>	<b>13.89</b>
139	12.00	5.29	6.19	6.63	7.12	7.64	8.12
140	12.20	11.78	<b>12.44</b>	<b>12.91</b>	<b>13.17</b>	<b>13.47</b>	<b>13.79</b>
141	12.20	11.69	<b>12.21</b>	<b>12.20</b>	<b>12.21</b>	<b>12.22</b>	<b>12.23</b>
143	12.20	11.57	12.09	12.09	12.11	12.13	12.14
145	12.00	11.18	11.60	11.71	11.78	11.82	11.85
149	12.00	9.15	9.61	10.11	10.27	10.40	10.52
151	11.55	6.01	6.76	7.33	7.93	8.44	8.95
153	10.78	5.46	6.76	7.33	7.93	8.43	8.94
155	10.06	5.46	6.76	7.33	7.92	8.43	8.93
157	10.05	5.46	6.76	7.33	7.92	8.43	8.93
159	10.01	5.46	6.76	7.33	7.92	8.43	8.93
161	10.04	5.45	6.76	7.32	7.92	8.42	8.92
163	12.02	5.45	6.76	7.32	7.92	8.42	8.91
165	10.00	5.93	6.71	7.76	9.22	<b>10.03</b>	<b>10.11</b>
167	10.00	5.40	6.44	7.01	7.68	8.62	9.27
169	9.60	5.36	6.40	6.90	7.39	7.92	8.34
170	9.89	5.36	6.40	6.90	7.38	7.91	8.34
171	9.60	5.36	6.40	6.90	7.38	7.89	8.31
175	12.00	10.61	10.87	11.08	11.29	11.48	11.67
177	12.00	10.62	10.77	10.83	10.97	11.15	11.33
183	12.00	10.61	10.87	11.08	11.30	11.49	11.68

**Table C-2. Maximum Water Surface Elevations: Existing Conditions with Improvements**

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

**Blue Shaded Numbers** indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
185	12.14	10.61	10.94	11.15	11.39	11.65	11.92
187	12.00	8.21	8.27	8.29	8.30	8.49	8.80
189	12.00	10.60	10.83	11.01	11.23	11.46	11.66
191	12.00	10.60	10.83	11.01	11.22	11.45	11.65
193	10.70	10.63	<b>10.84</b>	<b>11.06</b>	<b>11.31</b>	<b>11.58</b>	<b>11.85</b>
195	11.00	8.21	8.23	8.28	8.34	8.42	8.53
197	8.89	6.93	7.09	7.19	7.34	7.78	8.18
199	9.18	5.36	6.39	6.88	7.33	7.78	8.17
201	8.89	7.51	7.81	8.01	8.26	<b>8.89</b>	<b>8.91</b>
203	10.00	6.32	7.03	7.40	7.68	7.98	8.29
205	10.00	5.36	6.37	6.86	7.29	7.71	8.07
207	10.00	9.02	9.44	9.61	9.73	9.88	<b>10.02</b>
209	10.00	9.02	9.44	9.61	9.73	9.87	<b>10.00</b>
211	9.50	9.01	9.41	<b>9.53</b>	<b>9.61</b>	<b>9.73</b>	<b>9.89</b>
217	10.00	6.24	6.92	8.20	8.55	8.89	9.20
221	8.64	5.36	6.37	6.85	7.29	7.71	8.07
223	8.78	5.36	6.37	6.85	7.29	7.71	8.07
225	9.14	5.36	6.37	6.85	7.29	7.71	8.06
227	8.56	5.22	6.16	6.63	7.07	7.50	8.08
229	8.81	5.22	6.16	6.63	7.07	7.50	7.87
231	9.97	5.22	6.16	6.63	7.07	7.50	7.87
233	8.49	5.22	6.16	6.63	7.07	7.50	7.87
235	8.07	5.22	6.16	6.63	7.07	7.49	7.86
239	11.30	5.22	6.16	6.63	7.07	7.49	7.86
241	12.63	5.22	6.16	6.63	7.07	7.49	7.86
245	10.00	5.22	6.16	6.63	7.07	7.49	7.86
249	10.00	4.47	5.16	5.46	5.71	6.03	6.31
251	11.25	4.32	4.99	5.30	5.54	5.82	6.08
253	10.85	4.14	4.58	4.83	5.05	5.29	5.51
257	8.00	5.95	6.71	7.24	7.79	<b>8.08</b>	<b>8.27</b>
259	8.84	5.94	6.60	7.20	7.88	8.64	<b>8.85</b>
261	10.40	5.93	6.66	7.14	7.64	7.98	8.27
263	10.00	5.92	6.54	6.91	7.30	7.68	8.01
265	11.00	5.57	6.09	6.36	6.65	6.89	7.13
267	12.25	5.13	5.59	5.93	6.26	6.53	6.73
269	11.15	4.80	5.21	5.53	5.83	6.08	6.27
273	10.00	3.82	4.13	4.41	4.67	4.91	5.13
275	7.25	3.82	4.13	4.41	4.67	4.91	5.12
277	7.50	3.82	4.13	4.41	4.67	4.91	5.12

**Table C-2. Maximum Water Surface Elevations: Existing Conditions with Improvements**

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

**Blue Shaded Numbers** indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
279	6.82	3.82	4.13	4.41	4.67	4.91	5.12
281	7.19	3.82	4.13	4.41	4.67	4.91	5.12
285	7.00	3.82	4.13	4.41	4.67	4.91	5.12
287	6.00	3.71	3.86	4.01	4.17	4.35	4.51
291	7.50	5.33	5.63	5.81	5.97	6.14	6.30
293	9.67	5.19	5.47	5.64	5.80	5.96	6.11
295	9.47	3.64	3.68	3.72	3.79	3.89	4.01
301	10.50	4.00	4.80	5.41	5.95	6.42	6.83
302	7.00	4.23	4.64	4.99	5.52	5.93	6.28
303	10.50	3.93	4.69	5.33	5.87	6.35	6.77
304	7.00	3.92	4.30	4.99	5.52	5.93	6.28
305	10.00	3.67	4.33	5.04	5.56	5.98	6.33
307	9.33	3.66	4.27	4.98	5.50	5.91	6.25
309	8.76	3.66	4.21	4.88	5.37	5.76	6.08
311	8.70	3.64	3.68	3.79	3.90	4.03	4.16
313	8.48	4.14	4.14	4.94	5.46	5.86	6.19
315	7.94	3.75	3.75	4.06	4.32	4.52	4.68
317	8.00	3.64	3.67	3.72	3.79	3.89	4.00
319	7.50	3.64	3.67	3.71	3.78	3.87	3.97
320	9.75	4.57	4.80	4.91	5.00	5.10	5.22
321	9.65	4.10	4.32	4.46	4.60	4.77	4.92
321.2	7.50	3.82	4.03	4.20	4.38	4.58	4.73
321.3	6.15	3.79	3.99	4.15	4.34	4.53	4.63
322	7.85	3.64	3.66	3.70	3.76	3.83	3.91
323	4.50	3.76	3.95	4.10	4.26	4.44	<b>4.50</b>
324	5.51	3.76	3.95	4.10	4.26	4.44	4.50
325	4.09	3.71	3.83	3.92	4.01	<b>4.09</b>	<b>4.10</b>
327	4.00	3.63	3.65	3.68	3.72	3.76	3.81
331	13.50	13.49	<b>13.50</b>	<b>13.51</b>	<b>13.51</b>	<b>13.52</b>	<b>13.53</b>
333	13.29	<b>13.29</b>	<b>13.32</b>	<b>13.32</b>	<b>13.34</b>	<b>13.41</b>	<b>13.49</b>
335	13.29	13.02	13.15	13.27	<b>13.35</b>	<b>13.43</b>	<b>13.53</b>
337	13.00	<b>13.00</b>	<b>13.14</b>	<b>13.27</b>	<b>13.35</b>	<b>13.45</b>	<b>13.56</b>
339	13.00	12.07	12.13	12.18	12.24	12.31	12.39
341	12.00	<b>12.00</b>	<b>12.07</b>	<b>12.12</b>	<b>12.18</b>	<b>12.25</b>	<b>12.34</b>
343	12.00	11.54	<b>12.00</b>	<b>12.02</b>	<b>12.03</b>	<b>12.09</b>	<b>12.18</b>
345	12.00	11.53	<b>12.00</b>	<b>12.01</b>	<b>12.03</b>	<b>12.09</b>	<b>12.18</b>
347	14.00	9.49	10.16	10.60	10.88	11.14	11.40
349	14.00	9.46	10.14	10.59	10.87	11.13	11.39
351	14.00	9.42	10.11	10.55	10.83	11.08	11.33

**Table C-2. Maximum Water Surface Elevations: Existing Conditions with Improvements**

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

**Blue Shaded Numbers** indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
353	13.50	9.34	10.06	10.52	10.80	11.06	11.32
355	13.00	9.31	10.04	10.50	10.78	11.04	11.30
357	13.00	9.28	10.01	10.48	10.77	11.02	11.28
359	12.50	9.21	9.96	10.43	10.72	10.97	11.23
361	12.00	9.07	9.80	10.28	10.55	10.77	11.01
363	11.08	9.04	9.77	10.25	10.51	10.73	10.97
365	11.08	9.02	9.75	10.22	10.48	10.69	10.92
367	11.59	8.97	9.69	10.16	10.43	10.64	10.88
369	11.46	8.95	9.67	10.13	10.39	10.59	10.83
373	10.89	8.55	9.27	9.69	10.00	10.24	10.54
375	10.85	8.53	9.24	9.66	9.96	10.20	10.48
377	10.50	8.29	9.02	9.45	9.77	10.03	10.35
381	10.50	8.17	8.89	9.30	9.59	9.84	10.12
383	10.69	8.06	8.78	9.20	9.50	9.77	10.05
385	10.00	7.75	8.52	8.97	9.30	9.60	9.92
387	10.00	7.70	8.47	8.91	9.24	9.54	9.85
389	10.00	7.56	8.36	8.81	9.15	9.47	9.79
391	10.00	7.44	8.24	8.68	9.01	9.30	9.58
393	10.00	7.29	8.11	8.56	8.90	9.21	9.51
397	10.00	7.10	7.89	8.31	8.61	8.84	9.08
399	10.00	6.95	7.74	8.16	8.46	8.71	8.96
401	10.00	6.93	7.71	8.12	8.42	8.65	8.90
403	10.00	6.88	7.65	8.05	8.34	8.57	8.81
405	10.00	6.77	7.54	7.94	8.22	8.44	8.68
407	10.00	6.63	7.43	7.84	8.14	8.37	8.63
409	10.00	6.57	7.37	7.78	8.08	8.32	8.57
411	10.00	6.52	7.33	7.75	8.05	8.29	8.55
413	9.50	6.48	7.30	7.71	8.01	8.25	8.52
415	9.50	6.42	7.24	7.66	7.97	8.21	8.49
417	9.50	6.40	7.21	7.63	7.94	8.18	8.46
419	9.50	6.35	7.17	7.59	7.90	8.15	8.43
421	9.50	6.06	6.90	7.34	7.67	7.95	8.26
425	10.00	5.85	6.68	7.11	7.45	7.74	8.06
427	10.00	5.73	6.56	7.00	7.35	7.65	7.98
429	10.00	5.70	6.53	6.97	7.32	7.61	7.95
431	10.00	5.49	6.32	6.77	7.14	7.46	7.81
433	10.00	5.47	6.29	6.73	7.11	7.42	7.77
437	14.00	<b>14.00</b>	<b>14.02</b>	<b>14.03</b>	<b>14.06</b>	<b>14.10</b>	<b>14.16</b>
441	14.00	11.52	12.53	13.21	13.94	<b>14.01</b>	<b>14.02</b>

**Table C-2. Maximum Water Surface Elevations: Existing Conditions with Improvements**

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

**Blue Shaded Numbers** indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
453	13.00	10.23	10.47	10.63	10.88	11.18	11.74
473	10.49	<b>10.53</b>	<b>10.68</b>	<b>10.79</b>	<b>10.92</b>	<b>11.06</b>	<b>11.21</b>
475	11.18	10.51	10.66	10.77	10.89	11.03	<b>11.18</b>
477	10.89	10.33	10.44	10.51	10.59	10.69	10.79
479	10.89	10.32	10.43	10.50	10.58	10.68	10.78
481	10.00	<b>10.04</b>	<b>10.15</b>	<b>10.22</b>	<b>10.29</b>	<b>10.33</b>	<b>10.37</b>
483	10.00	<b>10.00</b>	<b>10.02</b>	<b>10.02</b>	<b>10.03</b>	<b>10.03</b>	<b>10.03</b>
485	10.00	9.99	<b>10.01</b>	<b>10.02</b>	<b>10.02</b>	<b>10.02</b>	<b>10.03</b>
487	10.00	9.99	<b>10.01</b>	<b>10.01</b>	<b>10.02</b>	<b>10.02</b>	<b>10.03</b>
489	10.00	9.98	<b>10.00</b>	<b>10.01</b>	<b>10.02</b>	<b>10.02</b>	<b>10.02</b>
491	10.00	9.98	<b>10.00</b>	<b>10.01</b>	<b>10.02</b>	<b>10.02</b>	<b>10.02</b>
493	10.00	9.97	<b>10.00</b>	<b>10.01</b>	<b>10.02</b>	<b>10.02</b>	<b>10.02</b>
495	10.00	9.91	<b>10.00</b>	<b>10.01</b>	<b>10.01</b>	<b>10.02</b>	<b>10.03</b>
497	10.08	9.90	10.00	10.01	10.01	10.02	10.03
499	10.00	9.89	<b>10.00</b>	<b>10.01</b>	<b>10.01</b>	<b>10.02</b>	<b>10.03</b>
501	10.00	9.88	<b>10.00</b>	<b>10.01</b>	<b>10.01</b>	<b>10.02</b>	<b>10.03</b>
503	10.00	9.86	<b>10.00</b>	<b>10.01</b>	<b>10.02</b>	<b>10.03</b>	<b>10.04</b>
505	10.00	9.85	<b>10.00</b>	<b>10.01</b>	<b>10.03</b>	<b>10.05</b>	<b>10.07</b>
507	10.00	9.88	<b>10.01</b>	<b>10.03</b>	<b>10.07</b>	<b>10.11</b>	<b>10.16</b>
509	10.00	9.74	9.85	9.87	9.90	9.93	9.97
511	10.00	9.62	9.75	9.77	9.80	9.84	9.88
513	10.00	9.48	9.56	9.58	9.60	9.62	9.64
515	10.00	9.31	9.40	9.41	9.44	9.46	9.49
517	10.00	9.22	9.28	9.29	9.30	9.32	9.34
521	10.00	8.76	8.82	8.84	8.85	8.86	9.06
523	10.00	8.22	8.17	8.23	8.50	8.72	8.95
525	10.00	6.94	7.72	8.13	8.43	8.67	8.92
539	9.00	6.44	7.27	7.71	8.00	8.23	8.51
551	10.00	<b>10.00</b>	<b>10.02</b>	<b>10.04</b>	<b>10.12</b>	<b>10.23</b>	<b>10.31</b>
553	9.65	9.25	<b>9.65</b>	<b>9.66</b>	<b>9.67</b>	<b>9.70</b>	<b>9.72</b>
555	9.65	9.22	<b>9.65</b>	<b>9.65</b>	<b>9.66</b>	<b>9.69</b>	<b>9.71</b>
559	10.00	9.14	9.64	9.69	9.84	<b>10.00</b>	<b>10.01</b>
561	10.00	9.07	9.61	9.67	9.83	<b>10.00</b>	<b>10.00</b>
563	10.00	9.03	9.55	9.64	9.80	<b>10.00</b>	<b>10.00</b>
565	10.00	8.85	9.48	9.60	9.79	<b>10.00</b>	<b>10.00</b>
567	10.00	8.00	8.16	8.18	8.22	8.26	8.26
569	10.97	5.33	6.14	6.59	6.98	7.31	7.69
571	10.00	5.32	6.13	6.58	6.97	7.29	7.67
573	10.00	5.30	6.10	6.54	6.93	7.25	7.63

**Table C-2. Maximum Water Surface Elevations: Existing Conditions with Improvements**

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

**Blue Shaded Numbers** indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
575	10.00	5.22	6.02	6.46	6.85	7.18	7.57
577	9.00	5.14	5.91	6.35	6.73	7.05	7.43
579	9.00	4.97	5.74	6.18	6.58	6.92	7.32
581	9.00	4.95	5.71	6.14	6.54	6.88	7.27
583	9.00	4.89	5.64	6.08	6.48	6.82	7.23
585	9.00	4.87	5.61	6.04	6.44	6.78	7.18
587	9.00	4.82	5.55	5.98	6.38	6.73	7.14
589	9.00	4.79	5.52	5.94	6.34	6.68	7.08
591	8.00	4.66	5.36	5.78	6.19	6.55	6.97
593	8.00	4.64	5.33	5.75	6.16	6.51	6.92
603	13.46	11.95	<b>13.48</b>	<b>13.49</b>	<b>13.51</b>	<b>13.54</b>	<b>13.60</b>
605	10.00	<b>10.06</b>	<b>10.13</b>	<b>10.21</b>	<b>10.30</b>	<b>10.46</b>	<b>10.72</b>
607	10.00	<b>10.03</b>	<b>10.13</b>	<b>10.21</b>	<b>10.30</b>	<b>10.42</b>	<b>10.57</b>
609	10.00	<b>10.03</b>	<b>10.13</b>	<b>10.21</b>	<b>10.30</b>	<b>10.42</b>	<b>10.57</b>
611	10.00	<b>10.02</b>	<b>10.13</b>	<b>10.21</b>	<b>10.30</b>	<b>10.42</b>	<b>10.57</b>
615	10.50	10.36	10.47	<b>10.51</b>	<b>10.56</b>	<b>10.62</b>	<b>10.70</b>
617	10.50	10.37	10.49	<b>10.53</b>	<b>10.57</b>	<b>10.63</b>	<b>10.70</b>
621	10.00	<b>10.01</b>	<b>10.11</b>	<b>10.19</b>	<b>10.28</b>	<b>10.40</b>	<b>10.56</b>
627	10.00	9.96	<b>10.03</b>	<b>10.11</b>	<b>10.20</b>	<b>10.34</b>	<b>10.52</b>
630	9.55	9.09	9.24	9.40	<b>9.55</b>	<b>9.56</b>	<b>9.61</b>
631	9.50	9.03	9.18	9.34	9.49	<b>9.53</b>	<b>9.58</b>
635	9.44	9.01	9.17	9.33	<b>9.48</b>	<b>9.52</b>	<b>9.57</b>
636	9.44	8.91	9.10	9.22	9.39	<b>9.45</b>	<b>9.51</b>
639	8.50	<b>8.55</b>	<b>8.82</b>	<b>8.96</b>	<b>9.12</b>	<b>9.29</b>	<b>9.45</b>
641	8.00	<b>8.13</b>	<b>8.31</b>	<b>8.45</b>	<b>8.66</b>	<b>8.90</b>	<b>9.16</b>
643	8.00	7.81	7.90	7.90	<b>8.01</b>	<b>8.07</b>	<b>8.13</b>
645	8.00	7.76	7.86	7.88	<b>8.01</b>	<b>8.06</b>	<b>8.12</b>
646	9.00	7.38	7.47	7.76	8.00	8.18	8.42
649	8.50	<b>8.50</b>	<b>8.65</b>	<b>8.83</b>	<b>9.05</b>	<b>9.28</b>	<b>9.46</b>
651	10.00	8.33	8.40	8.41	8.43	8.47	8.50
653	10.00	8.20	8.28	8.33	8.39	8.44	8.47
655	10.00	8.13	8.23	8.26	8.32	8.37	8.40
657	9.50	7.97	8.10	8.12	8.16	8.19	8.22
659	9.50	6.43	6.45	6.45	6.96	7.58	8.14
661	9.50	5.00	5.81	6.35	6.96	7.58	8.14
663	8.03	4.99	5.79	6.33	6.93	7.55	<b>8.04</b>
667	8.50	4.94	5.72	6.24	6.84	7.47	8.02
671	7.87	4.83	5.58	6.06	6.66	7.40	<b>7.88</b>
673	8.58	4.81	5.57	6.04	6.52	6.99	7.48

**Table C-2. Maximum Water Surface Elevations: Existing Conditions with Improvements**

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

**Blue Shaded Numbers** indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
675	9.83	4.81	5.57	6.04	6.51	6.98	7.47
677	9.00	4.80	5.56	6.03	6.51	6.97	7.46
679	9.90	4.70	5.40	5.83	6.25	6.64	7.05
681	9.64	4.65	5.34	5.76	6.17	6.53	6.95
685	8.00	4.63	5.31	5.73	6.14	6.49	6.91
687	8.00	4.55	5.22	5.64	6.06	6.42	6.84
689	8.00	4.52	5.18	5.59	5.99	6.34	6.74
691	8.00	4.43	5.08	5.49	5.90	6.26	6.67
701	8.25	4.90	5.60	6.09	6.69	7.55	8.25
703	8.25	4.86	5.53	5.98	6.55	7.37	8.06
705	8.32	4.70	5.32	5.74	6.23	6.93	7.60
707	7.97	4.56	5.14	5.58	6.05	6.61	7.25
709	8.50	4.46	5.08	5.53	6.00	6.48	6.97
713	8.41	4.35	4.95	5.33	5.72	6.08	6.44
715	8.00	4.94	5.21	5.41	5.71	6.04	6.37
717	8.00	4.35	4.94	5.32	5.70	6.03	6.36
721	6.30	4.55	5.01	5.27	5.64	5.97	6.28
723	6.17	4.16	4.73	5.12	5.49	5.84	6.17
725	6.20	4.16	4.72	5.12	5.48	5.84	6.16
727	6.20	4.16	4.72	5.11	5.48	5.84	6.16
735	7.61	4.30	4.86	5.23	5.60	5.91	6.19
739	6.84	4.20	4.75	5.11	5.49	5.81	6.09
741	6.00	4.16	4.69	5.04	5.35	5.63	5.87
801	8.00	5.68	6.42	6.94	7.40	7.76	8.08
803	7.00	5.64	6.28	6.74	7.09	7.32	7.58
807	7.50	5.85	6.48	7.22	7.51	7.53	7.57
809	8.00	4.89	5.60	6.15	6.57	6.81	6.95
811	9.00	4.36	4.97	5.36	5.79	6.14	6.41
813	9.50	4.35	4.93	5.32	5.74	6.08	6.36
815	8.00	4.34	4.89	5.27	5.68	6.02	6.31
817	7.00	4.32	4.84	5.20	5.59	5.95	6.23
819	7.00	4.32	4.84	5.19	5.58	5.94	6.22
821	7.00	4.31	4.83	5.18	5.57	5.93	6.21
825	6.00	4.31	4.81	5.15	5.53	5.90	6.18
831	6.00	3.70	3.83	3.95	4.09	4.25	4.40
835	6.00	3.65	3.73	3.80	3.87	3.97	4.06
837	6.00	3.63	3.66	3.70	3.74	3.79	3.84
841	8.00	7.73	8.02	8.04	8.07	8.09	8.13
843	8.00	7.27	7.43	7.43	7.44	7.45	7.47

**Table C-2. Maximum Water Surface Elevations: Existing Conditions with Improvements**

Vertical Datum: NAVD 1988

This modeling was completed using SWMM Version 5, with Nodal Ponding enabled.

**Blue Shaded Numbers** indicate locations where the maximum computed water surface meets or exceeds the ground elevation for that node. Blue shaded numbers are 'approximate' (as are other maximum computed elevations nearby).

Junction Number	Ground Elevation (ft)	Maximum Computed Water Surface Elevation					
		2-Yr (ft)	5-Yr (ft)	10-Yr (ft)	25-Yr (ft)	50-Yr (ft)	100-Yr (ft)
847	6.00	3.67	3.73	3.77	3.82	3.87	3.92
849	6.00	3.64	3.67	3.68	3.72	3.76	3.81
853	6.00	3.63	3.65	3.68	3.72	3.76	3.81
855	6.00	3.62	3.64	3.66	3.68	3.71	3.75
857	6.00	3.62	3.63	3.64	3.65	3.68	3.70
861	6.00	3.61	3.62	3.62	3.63	3.64	3.66
863	6.00	3.61	3.62	3.62	3.63	3.64	3.66
865	6.00	3.61	3.61	3.61	3.62	3.62	3.63
867	6.00	3.60	3.60	3.60	3.61	3.61	3.61
869	6.00	3.60	3.60	3.60	3.60	3.60	3.60