



# Appendix C

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## Maximum Water Surface Elevations



**US Army Corps  
of Engineers**  
Norfolk District

**Chesapeake**  
VIRGINIA

Department of Public Works

**URS**

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
101	19.75	15.73	16.51	17.46	19.60	<b>19.76</b>	<b>19.79</b>
103	18.55	13.41	14.76	15.81	16.98	17.64	18.09
104	22.00	13.38	14.30	15.03	15.90	16.90	17.83
105	20.00	13.09	14.30	15.03	15.90	16.90	17.83
107	20.00	13.09	14.29	15.03	15.89	16.90	17.82
109	19.13	13.03	14.27	15.00	15.87	16.86	17.78
110	19.47	13.20	14.27	15.01	15.87	16.87	17.79
111	20.30	13.04	14.27	15.01	15.87	16.87	17.79
113	19.35	13.20	14.27	15.00	15.96	17.58	19.07
114	20.00	13.03	14.26	15.00	15.86	16.86	17.78
116	19.80	12.00	13.04	13.65	14.35	15.12	15.80
118	21.81	11.83	12.84	13.42	14.08	14.80	15.42
119	20.00	11.78	12.81	13.39	14.05	14.75	15.37
121	20.40	11.75	12.81	13.39	14.05	14.76	15.38
122	18.00	15.37	15.99	16.40	16.90	17.58	<b>18.00</b>
122.1	18.00	14.86	15.07	15.17	15.28	15.38	15.45
122.2	20.00	14.18	14.36	14.44	14.53	14.76	15.38
123	19.00	11.75	12.80	13.38	14.05	14.76	15.38
126	18.70	13.49	13.95	14.19	14.44	15.39	16.86
126.1	19.27	12.02	12.80	13.38	14.05	15.14	16.44
127	18.80	11.75	12.80	13.38	14.05	14.76	15.91
129	18.00	11.75	12.80	13.38	14.04	14.76	15.38
130	20.12	13.18	16.95	19.47	<b>20.13</b>	<b>20.15</b>	<b>20.17</b>
130.1	18.80	11.74	12.80	13.38	14.04	14.75	15.37
133	18.00	14.68	<b>18.00</b>	<b>18.01</b>	<b>18.05</b>	<b>18.09</b>	<b>18.15</b>
135	19.20	14.22	16.65	17.42	17.89	18.29	18.57
137	18.02	14.22	16.39	17.97	<b>18.05</b>	<b>18.09</b>	<b>18.13</b>
138	18.20	14.16	16.22	17.73	17.85	17.94	18.00
140	18.15	14.41	16.41	17.96	<b>18.16</b>	<b>18.17</b>	<b>18.18</b>
141	18.43	14.07	16.02	17.44	17.64	17.78	17.88
143	20.45	13.26	14.54	15.41	16.01	16.63	17.00
144	20.45	13.19	14.37	15.20	15.79	16.41	16.79
145	18.00	11.74	12.80	13.38	14.04	14.75	15.37
147	21.44	12.21	12.78	13.36	14.01	14.86	16.09
148	19.57	11.74	12.78	13.35	14.01	14.71	15.33
150	19.40	13.96	14.76	15.34	16.28	17.74	18.58
151	19.00	14.14	14.97	15.83	16.91	18.64	<b>19.01</b>
152	19.70	13.73	14.48	15.01	15.73	16.97	17.48
153	18.80	11.74	12.78	13.35	14.01	14.71	15.33

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
155	18.00	12.39	13.45	15.07	17.00	<b>18.01</b>	<b>18.02</b>
156	20.00	11.74	12.78	13.35	14.01	14.71	15.33
159	16.00	11.74	12.78	13.35	14.01	14.71	15.33
162	18.23	12.99	15.37	17.28	<b>18.24</b>	<b>18.26</b>	<b>18.28</b>
163	17.79	12.01	13.43	14.61	15.42	15.79	16.09
164	17.85	11.74	12.79	13.37	14.04	14.73	15.35
166	17.21	14.42	15.90	<b>17.21</b>	<b>17.24</b>	<b>17.25</b>	<b>17.26</b>
167	17.21	14.38	15.80	17.16	<b>17.21</b>	<b>17.23</b>	<b>17.25</b>
168	18.50	13.52	15.02	16.26	16.71	17.02	17.26
170	17.51	12.43	13.44	14.32	15.04	15.55	15.94
171	17.90	11.74	12.79	13.37	14.02	14.73	15.35
173	17.22	14.26	14.65	14.85	15.07	15.30	15.52
173.1	17.22	11.74	12.79	13.37	14.02	14.73	15.34
174	17.30	11.74	12.79	13.37	14.02	14.73	15.34
175	17.33	11.74	12.79	13.37	14.02	15.10	16.41
176	17.33	11.74	12.79	13.37	14.02	14.73	15.35
177	17.95	11.74	12.79	13.37	14.02	14.73	15.34
178	18.80	11.74	12.79	13.37	14.02	14.73	15.34
180	18.00	11.74	12.79	13.37	14.02	14.73	15.34
181	16.37	12.55	13.77	15.63	<b>16.38</b>	<b>16.42</b>	<b>16.45</b>
182	18.00	11.74	12.79	13.37	14.02	14.73	15.34
184	19.00	14.33	14.67	14.85	15.05	15.27	15.50
186	20.00	16.18	17.70	18.56	19.53	<b>20.10</b>	<b>20.27</b>
187	20.10	15.71	16.83	17.43	18.09	18.77	19.29
188	20.10	15.74	17.01	17.69	18.43	19.23	19.93
189	20.10	15.70	16.80	17.40	18.05	18.73	19.23
189.1	17.99	15.67	16.62	17.21	17.77	<b>18.14</b>	<b>18.32</b>
190	18.00	15.65	16.57	17.15	17.68	<b>18.02</b>	<b>18.17</b>
191	21.50	18.76	19.36	19.74	20.19	20.69	21.12
191.1	21.50	18.12	19.04	19.57	19.98	20.43	20.81
192	20.00	16.98	17.39	17.42	17.69	18.08	18.32
193	20.00	15.61	16.30	16.95	17.58	18.00	18.23
194	20.00	15.62	16.32	16.95	17.58	18.00	18.23
195	18.00	15.64	16.46	17.06	17.63	<b>18.00</b>	<b>18.12</b>
196	16.93	15.58	16.43	<b>16.94</b>	<b>17.19</b>	<b>17.53</b>	<b>17.78</b>
196.1	18.00	15.05	15.33	15.44	15.82	16.43	16.95
197	18.00	15.65	16.57	17.15	17.68	<b>18.02</b>	<b>18.16</b>
198	18.13	15.81	17.02	17.71	<b>18.23</b>	<b>18.51</b>	<b>18.76</b>
199	19.00	15.19	15.87	16.26	16.78	17.26	17.61

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

Vertical Datum: NAVD 1988

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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)
200	19.00	15.17	15.86	16.26	16.78	17.26	17.61
201	19.00	14.69	15.02	15.63	16.24	16.85	17.40
202	17.50	14.25	14.90	15.57	16.20	16.87	17.49
203	17.50	13.72	14.88	15.56	16.19	16.87	<b>17.50</b>
204	18.87	13.62	14.81	15.49	16.14	16.90	17.62
205	19.28	13.54	14.72	15.39	16.17	17.05	17.89
206	18.13	13.28	14.39	15.06	15.74	16.44	17.11
207	19.53	13.15	14.28	14.92	15.58	16.28	16.94
208	20.00	13.00	13.95	14.51	15.08	15.68	16.23
210	19.10	15.21	17.81	<b>19.10</b>	<b>19.11</b>	<b>19.12</b>	<b>19.13</b>
211	17.58	14.48	16.52	<b>17.58</b>	<b>17.59</b>	<b>17.62</b>	<b>17.64</b>
212	17.59	12.99	13.85	14.40	14.80	15.20	15.57
213	18.84	12.75	13.55	14.00	14.45	14.91	15.40
214	20.00	15.49	16.17	16.81	17.44	17.88	18.19
215	17.58	13.80	14.71	15.37	16.40	<b>17.58</b>	<b>17.59</b>
216	17.67	12.42	13.11	13.94	14.71	15.59	16.39
217	19.00	16.64	<b>19.01</b>	<b>19.02</b>	<b>19.04</b>	<b>19.06</b>	<b>19.08</b>
218	19.50	14.90	15.97	16.58	17.32	18.54	19.29
219	20.00	14.91	15.98	16.59	17.33	18.55	19.29
220	19.50	14.90	15.97	16.57	17.32	18.54	19.29
221	19.50	14.84	15.89	16.49	17.30	18.53	19.27
222	20.00	15.99	17.41	18.16	18.71	19.23	19.84
223	20.00	15.95	17.36	18.11	18.56	18.94	19.55
223.1	20.00	14.78	15.83	16.47	17.41	18.76	19.50
224	20.50	14.77	15.80	16.46	17.26	18.51	19.25
225	18.45	14.09	16.32	17.89	<b>18.47</b>	<b>18.51</b>	<b>18.57</b>
226	18.59	14.05	16.29	17.87	18.54	18.58	<b>18.59</b>
228	19.30	14.23	16.73	18.48	<b>19.30</b>	<b>19.32</b>	<b>19.35</b>
229	18.80	14.14	16.56	18.24	<b>18.83</b>	<b>18.88</b>	<b>18.92</b>
230	18.63	14.00	16.26	17.85	<b>18.63</b>	<b>18.64</b>	<b>18.66</b>
231	20.82	13.94	16.15	17.73	18.64	18.82	18.89
232	19.00	12.78	14.27	15.52	16.21	16.64	17.09
234	16.00	14.11	15.53	<b>16.01</b>	<b>16.03</b>	<b>16.07</b>	<b>16.13</b>
235	18.50	13.77	14.78	15.22	15.50	15.88	16.19
236	20.00	13.45	14.40	14.79	15.08	15.42	15.86
237	20.00	12.62	13.46	13.82	14.18	15.01	15.80
239	18.43	11.76	12.84	13.44	14.47	15.74	17.12
240	18.00	11.76	12.84	13.43	14.13	14.99	15.79
241	18.00	11.74	12.79	13.37	14.02	14.73	15.34

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

Vertical Datum: NAVD 1988

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**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)
242	17.70	12.32	12.83	13.34	14.00	14.70	15.31
243	19.20	11.73	12.77	13.34	14.00	14.70	15.31
244	18.00	11.73	12.77	13.34	14.00	14.70	15.31
246	16.96	15.09	<b>16.96</b>	<b>16.98</b>	<b>17.01</b>	<b>17.05</b>	<b>17.09</b>
247	17.64	14.04	15.35	15.64	16.05	16.61	17.02
248	17.06	13.60	14.64	15.06	15.63	16.41	16.97
250	17.79	13.54	14.04	14.33	14.69	15.30	16.66
251	17.61	12.54	13.00	13.34	14.00	14.70	15.31
254	18.30	15.78	16.52	17.41	<b>18.30</b>	<b>18.30</b>	<b>18.33</b>
255	18.00	12.54	13.69	14.31	15.03	15.83	16.47
256	18.00	12.54	13.69	14.31	15.03	15.83	16.47
257	18.00	12.54	13.69	14.31	15.03	15.83	16.47
259	20.00	12.54	13.69	14.31	15.03	15.83	16.47
260	17.61	14.96	16.24	17.34	<b>17.63</b>	<b>17.66</b>	<b>17.71</b>
261	18.41	14.77	15.83	16.78	17.20	17.39	17.57
262	18.01	14.37	15.42	16.16	16.72	17.10	17.46
263	18.00	14.02	15.05	15.69	16.34	16.86	17.33
265	17.64	12.54	13.69	14.31	15.03	15.83	16.47
266	18.00	12.54	13.69	14.31	15.02	15.82	16.46
267	17.39	12.93	13.68	14.30	15.01	15.90	17.07
268	18.33	12.54	13.68	14.30	15.01	15.81	16.45
269	17.65	12.54	13.68	14.30	15.01	15.81	16.45
271	19.13	16.45	17.14	17.56	18.04	18.62	<b>19.14</b>
272	19.13	15.54	15.67	15.68	15.77	16.20	16.61
273	19.13	13.94	14.74	15.15	15.59	16.10	16.54
274	20.00	13.81	14.65	15.08	15.54	16.05	16.50
275	20.00	13.75	14.54	14.94	15.37	15.82	16.25
276	18.00	12.98	13.83	14.36	14.88	15.41	15.90
277	17.28	15.36	<b>17.28</b>	<b>17.30</b>	<b>17.32</b>	<b>17.34</b>	<b>17.37</b>
278	17.74	14.57	16.57	17.29	<b>17.74</b>	<b>17.75</b>	<b>17.77</b>
279	17.26	13.64	14.28	14.58	15.16	15.90	16.48
280	17.43	12.54	13.68	14.29	15.01	15.81	16.45
282	18.00	14.00	14.47	14.79	15.80	17.28	<b>18.00</b>
283	17.07	12.64	14.03	14.76	15.52	16.19	16.55
285	18.67	13.64	14.15	14.79	15.54	16.60	17.63
286	17.37	13.11	14.05	14.78	15.54	16.37	17.17
287	16.53	12.67	14.05	14.78	15.54	16.22	<b>16.56</b>
288	16.50	12.64	14.04	14.77	15.53	16.20	<b>16.54</b>
290	16.50	12.64	14.03	14.76	15.52	16.18	<b>16.52</b>

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

Vertical Datum: NAVD 1988

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**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)
292	18.80	16.93	17.41	17.68	17.98	18.33	18.67
293	18.80	16.92	17.40	17.68	17.98	18.32	18.66
293.1	18.80	14.33	14.68	15.22	16.00	16.71	17.06
294	19.30	13.74	14.54	15.19	15.98	16.69	17.04
295	19.50	13.60	14.48	15.14	15.92	16.62	16.97
296	19.50	13.13	14.30	15.02	15.82	16.50	16.85
297	19.50	12.95	14.25	14.99	15.79	16.47	16.82
298	19.00	12.79	14.19	14.94	15.74	16.40	16.75
299	18.50	12.76	14.17	14.92	15.71	16.37	16.72
301	17.70	12.82	14.10	14.84	15.60	16.25	16.56
302	18.66	14.32	14.70	14.89	15.60	16.25	16.58
303	17.89	14.87	15.09	15.20	15.60	16.25	16.57
304	19.25	14.08	14.23	14.84	15.60	16.24	16.56
306	19.34	18.78	<b>19.38</b>	<b>19.41</b>	<b>19.46</b>	<b>19.52</b>	<b>19.58</b>
307	19.31	17.08	18.06	18.29	18.51	18.73	18.88
308	17.62	14.18	15.26	15.88	16.49	17.02	17.32
309	16.80	13.17	14.29	15.04	15.78	16.42	16.78
310	17.07	12.70	14.11	14.84	15.61	16.26	16.60
311	16.50	12.69	14.10	14.83	15.60	16.24	<b>16.56</b>
313	17.92	12.90	14.10	14.83	15.60	16.23	16.53
315	16.80	13.37	16.16	<b>16.82</b>	<b>16.88</b>	<b>16.93</b>	<b>16.98</b>
316	16.80	13.14	15.65	16.42	16.65	16.74	<b>16.81</b>
317	16.30	12.83	14.89	15.79	<b>16.30</b>	<b>16.49</b>	<b>16.68</b>
318	16.30	12.72	14.18	15.06	15.81	<b>16.32</b>	<b>16.57</b>
321	17.10	12.71	14.12	14.85	15.62	16.27	16.68
322	16.50	12.69	14.10	14.83	15.60	16.23	<b>16.53</b>
322.1	16.50	12.48	13.51	13.98	14.48	15.06	15.65
322.2	16.50	11.76	12.82	13.41	14.09	14.83	15.47
323	18.00	11.73	12.77	13.34	14.00	14.70	15.31
324	18.00	11.63	12.58	13.11	13.74	14.39	14.96
325	18.00	13.74	15.68	16.73	17.92	<b>18.01</b>	<b>18.02</b>
326	16.80	13.54	15.04	15.69	16.39	16.56	16.63
327	16.80	13.47	14.85	15.39	15.94	16.13	16.23
328	15.55	13.68	<b>15.55</b>	<b>15.57</b>	<b>15.60</b>	<b>15.64</b>	<b>15.68</b>
329	16.80	13.34	14.54	14.91	15.26	15.48	15.60
330	17.01	11.59	12.55	13.08	13.70	14.34	14.90
332	17.62	13.20	14.82	16.17	<b>17.62</b>	<b>17.64</b>	<b>17.65</b>
333	17.56	12.27	13.04	13.80	14.94	15.45	15.90
334	17.55	12.19	12.92	13.63	14.73	15.28	15.76

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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)
335	18.50	11.69	12.55	13.08	13.80	14.55	15.19
336	18.00	11.59	12.55	13.08	13.70	14.34	14.90
339	17.42	12.94	14.53	15.82	17.37	<b>17.45</b>	<b>17.61</b>
340	18.03	12.92	14.46	15.36	16.36	17.35	17.59
341	18.00	12.90	14.43	15.33	16.32	17.30	17.59
342	18.51	12.50	13.72	14.44	15.22	16.08	16.51
344	16.00	12.22	13.31	13.91	14.56	15.27	15.86
346	16.00	12.18	13.25	13.84	14.48	15.18	15.76
346.1	16.00	12.11	13.15	13.71	14.33	15.01	15.58
347	19.00	11.71	12.87	13.54	14.23	14.95	15.54
348	17.95	13.46	16.21	<b>17.95</b>	<b>17.98</b>	<b>18.01</b>	<b>18.04</b>
349	17.18	12.03	14.16	15.43	15.86	16.26	16.59
350	17.00	14.96	15.37	15.63	15.99	16.42	16.81
350.1	17.00	12.11	14.15	14.84	15.25	15.72	16.14
352	18.50	14.94	15.58	15.95	16.48	17.68	<b>18.50</b>
353	19.15	14.26	14.84	15.16	15.54	16.14	16.58
354	18.00	14.02	14.50	14.74	14.99	15.25	15.46
355	18.00	12.05	12.52	13.06	13.67	14.30	14.85
356	15.30	11.56	12.52	13.06	13.92	15.15	<b>15.31</b>
357	18.00	11.56	12.52	13.06	13.66	14.30	14.85
359	20.00	17.10	17.66	17.98	18.34	18.79	19.25
360	20.00	16.66	16.94	17.10	17.29	17.52	17.78
361	19.00	15.96	16.59	16.86	17.14	17.45	17.72
362	19.00	15.95	16.57	16.84	17.12	17.43	17.70
363	18.00	14.83	15.47	15.78	16.10	16.43	16.73
365	17.64	13.86	14.51	14.95	15.51	16.47	17.38
366	19.00	13.16	13.86	14.21	14.60	15.02	15.42
367	22.00	12.48	13.16	13.50	13.86	14.29	14.83
368	22.00	11.51	12.47	13.02	13.63	14.28	14.82
369	20.00	11.50	12.47	13.01	13.62	14.26	14.80
370	20.00	11.54	12.50	13.04	13.64	14.28	14.82
371	22.00	11.54	12.50	13.03	13.64	14.28	14.82
372	20.00	11.55	12.51	13.05	13.66	14.29	14.83
373	20.00	11.53	12.50	13.03	13.64	14.28	14.82
374	20.00	11.51	12.47	13.01	13.62	14.26	14.81
375	20.00	11.50	12.46	13.00	13.61	14.25	14.79
377	20.00	11.41	12.41	12.98	13.58	14.22	14.76
379	20.00	11.40	12.41	12.97	13.57	14.20	14.74
380	17.06	16.65	<b>17.09</b>	<b>17.12</b>	<b>17.15</b>	<b>17.23</b>	<b>17.33</b>

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
381	18.88	15.00	15.81	16.26	16.85	17.23	17.54
382	17.83	14.62	15.50	16.04	16.76	17.26	17.60
383	18.80	13.29	14.08	14.53	15.03	15.50	15.89
385	18.00	12.79	13.87	14.34	14.80	15.27	15.64
386	18.00	12.76	13.78	14.23	14.66	15.12	15.46
387	17.65	14.03	15.77	17.35	<b>17.67</b>	<b>17.70</b>	<b>17.73</b>
388	18.62	13.52	14.95	16.32	16.84	17.00	17.12
389	18.00	12.74	13.75	14.19	14.62	15.08	15.42
390	18.00	12.73	13.73	14.16	14.60	15.06	15.40
391	18.00	11.87	12.79	13.29	13.81	14.40	14.85
392	20.00	11.65	12.66	13.22	13.79	14.38	14.84
393	18.00	11.70	12.64	13.20	13.77	14.37	14.84
395	17.00	11.40	12.44	13.02	13.64	14.27	14.79
397	20.00	18.57	19.00	19.21	19.42	19.65	19.84
398	20.00	18.56	19.00	19.20	19.42	19.65	19.84
399	20.00	17.15	17.53	17.75	18.04	18.49	18.97
400	17.87	13.13	14.14	15.00	16.09	17.44	<b>17.87</b>
401	17.98	13.16	14.13	14.94	16.01	17.34	17.96
402	17.83	13.17	14.06	14.90	15.95	17.27	<b>17.84</b>
403	17.63	12.08	12.61	12.98	13.57	14.20	14.73
404	18.00	11.40	12.42	12.98	13.57	14.20	14.73
405	18.00	11.40	12.41	12.98	13.57	14.19	14.73
406	18.00	11.40	12.41	12.97	13.56	14.19	14.73
407	17.00	11.39	12.41	12.97	13.56	14.19	14.73
408	17.78	11.94	12.66	13.36	14.70	16.41	<b>17.78</b>
409	16.00	11.39	12.41	12.97	13.56	14.19	14.73
410	16.00	11.39	12.41	12.97	13.56	14.19	14.72
412	16.00	11.39	12.41	12.97	13.56	14.19	14.72
415	17.62	15.47	<b>17.63</b>	<b>17.65</b>	<b>17.68</b>	<b>17.72</b>	<b>17.76</b>
416	18.27	14.20	15.74	15.99	16.33	16.79	17.17
417	17.79	13.78	15.03	15.38	15.83	16.46	16.96
417.1	18.00	12.81	13.28	13.54	14.02	14.62	15.10
418	18.00	12.12	12.60	13.21	13.81	14.43	14.94
419	18.91	14.41	14.77	14.96	15.19	15.47	15.76
420	16.00	11.39	12.40	12.97	13.56	14.19	14.72
421	19.33	11.39	12.41	13.09	13.73	14.36	14.88
422	16.00	11.39	12.40	12.97	13.56	14.19	14.72
423	16.00	11.39	12.40	12.97	13.56	14.18	14.72
424	18.00	11.38	12.39	12.95	13.54	14.16	14.68



**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
425	18.00	11.38	12.39	12.95	13.54	14.15	14.68
426	20.00	13.75	14.45	15.10	16.02	17.03	17.90
427	19.00	12.32	13.88	14.91	15.94	16.99	17.88
428	17.26	12.01	13.45	14.44	15.39	16.35	17.17
429	17.56	11.90	13.30	14.27	15.19	16.13	16.91
430	18.00	11.38	12.39	12.95	13.53	14.15	14.68
433	18.00	15.52	16.83	17.60	<b>18.02</b>	<b>18.11</b>	<b>18.21</b>
434	18.00	15.41	16.67	17.35	17.63	17.73	17.86
435	17.73	15.21	16.64	17.38	<b>17.73</b>	<b>17.76</b>	<b>17.80</b>
436	18.00	15.15	16.57	17.26	17.49	17.65	17.78
437	17.01	14.21	16.34	<b>17.05</b>	<b>17.27</b>	<b>17.50</b>	<b>17.65</b>
438	16.94	14.04	16.68	<b>16.95</b>	<b>16.96</b>	<b>16.99</b>	<b>17.01</b>
439	17.01	13.36	14.75	15.41	15.75	16.14	16.44
441	17.56	13.55	13.78	13.90	14.04	14.20	14.68
442	17.43	13.18	13.25	13.24	13.53	14.15	14.68
443	18.00	17.34	<b>18.01</b>	<b>18.05</b>	<b>18.08</b>	<b>18.11</b>	<b>18.14</b>
445	18.00	17.19	17.90	<b>18.03</b>	<b>18.06</b>	<b>18.09</b>	<b>18.12</b>
447	18.00	17.15	17.89	<b>18.02</b>	<b>18.06</b>	<b>18.09</b>	<b>18.12</b>
448	18.00	16.76	17.77	<b>18.01</b>	<b>18.04</b>	<b>18.07</b>	<b>18.10</b>
449	18.40	16.63	17.66	18.07	18.18	18.22	18.25
450	18.00	15.05	17.44	<b>18.00</b>	<b>18.02</b>	<b>18.04</b>	<b>18.07</b>
451	18.00	14.50	16.83	17.69	<b>18.00</b>	<b>18.01</b>	<b>18.03</b>
452	18.00	14.40	16.82	17.72	<b>18.00</b>	<b>18.02</b>	<b>18.02</b>
453	18.80	11.52	12.53	13.17	13.74	14.35	14.85
455	16.00	11.38	12.39	12.94	13.53	14.15	14.67
458	17.53	12.21	16.80	17.46	<b>17.55</b>	<b>17.58</b>	<b>17.63</b>
459	15.89	11.90	<b>15.89</b>	<b>15.93</b>	<b>15.99</b>	<b>16.07</b>	<b>16.16</b>
460	16.00	11.16	12.17	12.73	13.34	13.97	14.52
461	20.54	13.97	15.49	17.81	20.53	<b>20.56</b>	<b>20.58</b>
462	16.00	10.80	11.80	12.39	13.04	13.71	14.29
463	16.65	<b>16.65</b>	<b>16.67</b>	<b>16.68</b>	<b>16.70</b>	<b>16.72</b>	<b>16.74</b>
463.1	17.00	15.62	15.87	16.02	16.18	16.35	16.49
464	14.00	10.69	11.63	12.18	12.67	13.16	13.58
465	16.33	13.57	13.79	13.92	14.06	14.22	14.37
466	14.00	11.35	11.52	11.59	11.68	11.77	12.00
468	14.00	9.88	10.51	10.88	11.27	11.65	11.99
468.1	14.00	5.16	5.84	6.31	6.80	7.27	7.66
469	13.00	4.86	5.63	6.06	6.50	6.91	7.23
471	12.00	4.24	4.75	5.06	5.38	5.69	5.96

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
474	14.50	11.44	11.93	12.25	12.75	<b>14.50</b>	<b>14.51</b>
476	10.00	4.22	4.73	5.03	5.35	5.65	5.91
477	10.00	4.07	4.47	4.73	5.00	5.27	5.50
479	10.00	3.91	4.21	4.41	4.64	4.87	5.06
480	10.00	3.83	3.98	4.07	4.18	4.30	4.42
482	17.50	<b>17.50</b>	<b>17.51</b>	<b>17.51</b>	<b>17.52</b>	<b>17.53</b>	<b>17.54</b>
483	16.00	12.65	13.08	13.12	13.15	13.18	13.19
484	16.00	12.99	13.83	14.56	15.47	<b>16.00</b>	<b>16.01</b>
485	16.00	11.80	12.00	12.02	12.05	12.08	12.09
486	15.00	11.56	11.72	11.71	11.68	11.65	11.62
488	12.00	4.17	4.28	4.43	4.59	4.77	4.92
489	16.63	14.45	14.86	15.11	15.78	16.29	<b>16.63</b>
490	17.00	14.23	14.58	14.74	15.22	15.44	15.56
491	12.00	6.99	8.32	9.40	10.77	<b>12.00</b>	<b>12.01</b>
492	16.50	14.82	15.87	16.43	<b>16.52</b>	<b>16.54</b>	<b>16.56</b>
492.1	16.00	12.50	13.37	14.24	14.96	15.05	15.09
492.2	15.00	12.09	13.28	14.22	14.92	<b>15.00</b>	<b>15.01</b>
493	16.00	11.71	12.98	13.79	14.58	15.11	15.48
494	15.30	11.54	12.77	13.59	14.32	14.69	14.87
495	14.80	12.05	13.23	14.16	<b>14.81</b>	<b>14.85</b>	<b>14.91</b>
496	14.80	11.51	12.75	13.56	14.29	14.65	<b>14.80</b>
498	13.00	9.15	11.01	11.70	12.39	<b>13.00</b>	<b>13.01</b>
499	10.13	7.55	8.12	8.38	8.67	9.06	9.20
500	10.10	7.21	7.71	7.94	8.16	8.45	8.61
501	12.00	5.82	6.39	6.65	6.91	7.14	7.30
502	10.00	4.50	5.24	5.62	6.02	6.43	6.71
505	18.50	16.63	17.54	18.01	18.40	<b>18.51</b>	<b>18.53</b>
506	18.50	16.26	16.60	16.81	17.09	17.23	17.27
508	18.00	15.42	15.81	16.03	16.38	16.61	16.71
509	18.00	15.22	15.56	15.75	16.01	16.17	16.28
511	18.00	14.38	14.64	15.02	15.32	15.64	15.89
512	18.00	14.09	14.50	14.92	15.24	15.55	15.82
513	16.45	13.92	<b>16.45</b>	<b>16.48</b>	<b>16.51</b>	<b>16.55</b>	<b>16.59</b>
513.1	15.74	12.62	14.38	14.99	<b>15.74</b>	<b>15.74</b>	<b>15.74</b>
514	14.00	12.00	13.37	<b>14.03</b>	<b>14.11</b>	<b>14.22</b>	<b>14.33</b>
515	12.00	11.60	<b>12.08</b>	<b>12.16</b>	<b>12.21</b>	<b>12.28</b>	<b>12.35</b>
516	14.00	11.44	11.92	11.97	12.01	12.07	12.15
517	16.00	10.92	11.50	11.57	11.63	11.71	11.82
518	16.00	10.40	10.74	10.79	10.84	10.92	11.04

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
521	22.00	17.49	18.18	18.58	19.05	19.23	20.34
522	20.00	17.47	18.14	18.51	18.77	18.93	<b>20.00</b>
523	18.50	17.24	17.97	18.36	<b>18.51</b>	<b>18.53</b>	<b>18.55</b>
524	18.50	17.03	17.48	17.68	17.77	17.79	17.82
525	20.00	15.34	16.01	16.29	16.55	16.78	16.97
528	17.80	16.03	<b>17.80</b>	<b>17.82</b>	<b>17.83</b>	<b>17.86</b>	<b>17.89</b>
529	18.00	15.28	16.29	16.49	16.67	16.85	16.99
530	18.00	15.13	15.84	16.09	16.32	16.54	16.72
531	18.00	15.10	15.80	16.06	16.30	16.52	16.70
532	18.00	14.54	15.29	15.54	15.78	15.98	16.14
533	16.80	14.25	15.44	16.25	<b>16.80</b>	<b>16.81</b>	<b>16.82</b>
534	18.51	14.21	15.07	15.59	16.06	16.16	16.25
535	18.00	14.17	14.88	15.14	15.37	15.55	15.70
536	18.00	14.17	14.88	15.13	15.36	15.54	15.69
538	19.20	18.05	18.93	<b>19.20</b>	<b>19.21</b>	<b>19.23</b>	<b>19.25</b>
539	19.50	17.92	18.56	18.74	18.74	18.72	18.71
540	16.00	13.54	14.16	14.40	14.63	14.80	14.94
541	16.00	13.07	13.56	13.76	13.97	14.08	14.16
542	16.00	12.84	13.13	13.28	13.43	13.59	13.72
543	16.00	12.72	12.99	13.12	13.25	13.37	13.48
544	14.00	9.31	9.70	9.87	10.06	10.22	10.43
546	18.00	15.65	<b>18.01</b>	<b>18.02</b>	<b>18.04</b>	<b>18.07</b>	<b>18.10</b>
547	17.70	14.39	16.52	17.10	<b>17.70</b>	<b>17.71</b>	<b>17.72</b>
548	17.40	12.87	13.44	13.67	13.88	13.89	13.89
549	17.60	11.94	12.31	12.42	12.49	12.52	12.50
550	18.00	11.18	11.29	11.29	11.31	11.29	11.27
551	16.00	8.63	9.17	9.36	9.62	9.94	10.32
553	14.10	10.78	11.10	11.27	11.45	11.66	11.87
554	14.00	7.84	8.56	8.96	9.32	9.74	10.17
555	16.00	7.81	8.55	8.95	9.31	9.72	10.15
557	18.20	13.13	16.27	<b>18.20</b>	<b>18.22</b>	<b>18.24</b>	<b>18.27</b>
558	17.80	11.99	13.77	15.42	16.38	17.16	17.74
559	16.80	10.10	10.71	11.16	11.56	11.93	12.30
560	15.00	7.26	8.37	8.82	9.20	9.65	10.10
562	16.10	13.34	13.73	13.98	14.45	15.83	<b>16.10</b>
563	14.80	12.51	12.87	13.06	13.43	13.82	13.69
564	17.30	<b>17.30</b>	<b>17.33</b>	<b>17.36</b>	<b>17.39</b>	<b>17.42</b>	<b>17.46</b>
565	16.80	13.77	15.96	<b>16.80</b>	<b>16.81</b>	<b>16.82</b>	<b>16.84</b>
566	14.80	10.83	11.90	12.39	12.46	12.44	12.67

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
567	12.30	7.99	8.41	8.83	9.21	9.65	10.09
568	12.12	7.17	8.32	8.77	9.16	9.61	10.07
570	16.00	14.80	15.83	<b>16.00</b>	<b>16.01</b>	<b>16.02</b>	<b>16.04</b>
571	15.50	14.50	14.92	14.99	14.99	15.00	15.00
572	17.17	16.19	<b>17.18</b>	<b>17.19</b>	<b>17.20</b>	<b>17.22</b>	<b>17.24</b>
574	18.00	14.43	14.99	15.47	16.22	17.01	17.43
575	18.00	13.07	13.68	13.99	14.44	15.14	15.65
576	18.00	12.31	12.90	13.17	13.46	13.88	14.23
577	14.00	7.06	7.73	8.39	9.03	9.73	10.43
578	12.50	5.74	6.16	6.37	6.57	6.77	6.90
579	12.46	5.49	6.06	6.31	6.52	6.71	6.86
580	16.00	4.50	5.05	5.32	5.56	5.82	6.02
582	17.00	12.84	13.06	13.11	13.26	13.66	14.04
583	17.00	12.44	12.58	12.65	12.73	12.82	12.90
584	16.00	4.26	4.80	5.07	5.33	5.62	5.83
585	17.00	13.28	13.73	14.11	14.70	15.94	<b>17.00</b>
586	16.50	12.37	12.65	12.82	13.28	14.64	15.91
587	16.00	11.27	11.66	11.86	12.52	13.92	15.30
588	16.70	8.39	9.16	9.98	11.17	12.33	13.60
589	17.00	8.00	8.92	9.83	10.99	12.15	13.39
590	16.00	7.22	8.28	9.08	9.94	10.97	12.06
592	16.00	6.95	7.98	8.62	9.38	10.35	11.35
593	16.50	6.84	7.83	8.40	9.12	10.06	11.01
594	15.35	5.90	6.62	6.94	7.31	7.71	8.28
595	9.50	4.25	4.70	4.96	5.26	5.62	5.94
596	9.21	4.13	4.60	4.86	5.13	5.43	5.66
597	9.57	4.08	4.43	4.62	4.83	5.04	5.20
599	8.00	3.97	4.22	4.36	4.53	4.70	4.84
600	16.00	13.77	15.40	15.67	<b>16.00</b>	<b>16.01</b>	<b>16.02</b>
601	15.00	13.71	<b>15.01</b>	<b>15.02</b>	<b>15.04</b>	<b>15.06</b>	<b>15.09</b>
602	15.00	13.57	14.68	14.69	14.71	14.73	14.75
603	13.50	<b>13.50</b>	<b>13.51</b>	<b>13.53</b>	<b>13.54</b>	<b>13.56</b>	<b>13.57</b>
604	13.05	<b>13.05</b>	<b>13.06</b>	<b>13.08</b>	<b>13.11</b>	<b>13.14</b>	<b>13.17</b>
605	12.76	<b>12.77</b>	<b>12.81</b>	<b>12.86</b>	<b>12.90</b>	<b>12.94</b>	<b>12.99</b>
606	13.16	12.75	13.01	13.04	13.06	13.08	13.10
607	13.00	12.25	12.85	<b>13.01</b>	<b>13.01</b>	<b>13.02</b>	<b>13.04</b>
609	13.50	11.71	12.60	12.88	12.94	12.96	12.95
611	12.50	10.22	11.85	<b>12.50</b>	<b>12.51</b>	<b>12.53</b>	<b>12.54</b>
612	12.00	7.84	8.28	8.59	8.65	8.65	8.66

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
613	10.80	7.18	7.41	7.54	7.62	7.63	7.64
614	10.80	<b>10.80</b>	<b>10.80</b>	<b>10.80</b>	<b>10.82</b>	<b>10.83</b>	<b>10.85</b>
615	10.50	6.92	7.05	7.12	7.20	7.21	7.21
616	9.00	5.86	6.00	6.08	6.18	6.23	6.26
617	10.00	5.34	5.49	5.58	5.69	5.77	5.82
618	10.00	4.09	4.31	4.43	4.58	4.74	4.87
622	14.00	3.95	4.17	4.30	4.45	4.61	4.75
624	14.00	3.90	4.09	4.21	4.34	4.49	4.61
625	10.00	3.88	4.05	4.16	4.28	4.42	4.54
627	6.00	3.84	4.00	4.09	4.20	4.32	4.43
628	6.00	3.82	3.96	4.05	4.15	4.27	4.37
629	6.00	3.82	3.96	4.04	4.14	4.25	4.35
630	6.00	3.81	3.95	4.03	4.12	4.23	4.33
631	6.00	3.80	3.93	4.00	4.09	4.19	4.29
632	8.00	3.78	3.89	3.95	4.03	4.12	4.20
634	17.20	16.23	<b>17.22</b>	<b>17.23</b>	<b>17.25</b>	<b>17.28</b>	<b>17.30</b>
636	18.51	16.04	17.32	17.49	17.80	18.23	<b>18.51</b>
637	17.50	15.30	16.55	16.63	16.76	16.95	17.12
638	19.61	14.95	16.12	16.18	16.23	16.33	16.42
639	16.69	14.95	16.12	16.17	16.23	16.33	16.42
641	17.50	15.35	<b>17.50</b>	<b>17.51</b>	<b>17.52</b>	<b>17.53</b>	<b>17.54</b>
642	17.61	14.91	16.03	16.10	16.19	16.30	16.39
643	15.97	14.90	<b>16.03</b>	<b>16.10</b>	<b>16.19</b>	<b>16.29</b>	<b>16.38</b>
644	16.75	14.80	16.08	16.34	<b>16.75</b>	<b>16.78</b>	<b>16.80</b>
645	18.33	14.55	16.03	16.39	16.82	17.06	17.16
647	18.35	14.03	15.94	16.41	16.94	17.35	17.53
648	17.11	13.69	15.60	16.18	16.78	<b>17.12</b>	<b>17.14</b>
649	18.33	13.41	15.18	15.72	16.30	16.68	16.75
650	15.23	11.65	12.68	13.08	13.48	13.99	14.42
651	15.22	11.47	12.46	12.87	13.28	13.74	14.17
653	15.20	11.00	11.92	12.36	12.79	13.22	13.55
654	15.00	11.00	11.91	12.35	12.78	13.20	13.54
655	14.91	11.00	11.91	12.35	12.78	13.20	13.54
658	15.50	12.43	<b>15.50</b>	<b>15.51</b>	<b>15.54</b>	<b>15.56</b>	<b>15.59</b>
660	15.00	11.92	14.29	14.80	<b>15.00</b>	<b>15.01</b>	<b>15.03</b>
661	14.00	11.20	12.57	13.02	13.44	13.82	<b>14.00</b>
662	16.00	10.99	11.91	12.35	12.77	13.19	13.53
663	15.50	12.46	<b>15.50</b>	<b>15.51</b>	<b>15.53</b>	<b>15.55</b>	<b>15.58</b>
664	14.00	11.05	12.25	12.86	13.22	13.57	13.86

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
666	14.00	10.99	11.90	12.34	12.77	13.18	13.52
667	14.00	11.11	12.45	13.33	<b>14.00</b>	<b>14.01</b>	<b>14.03</b>
668	14.00	11.05	12.10	12.75	13.46	13.67	13.82
669	14.00	10.99	11.90	12.34	12.76	13.18	13.52
671	15.43	13.31	<b>15.44</b>	<b>15.48</b>	<b>15.51</b>	<b>15.54</b>	<b>15.57</b>
672	15.80	13.29	15.45	15.48	15.50	15.52	15.56
673	15.30	13.03	15.18	<b>15.30</b>	<b>15.32</b>	<b>15.34</b>	<b>15.37</b>
674	15.00	12.16	14.34	<b>15.00</b>	<b>15.02</b>	<b>15.07</b>	<b>15.12</b>
675	15.00	11.88	13.87	14.66	14.94	<b>15.01</b>	<b>15.04</b>
676	15.63	11.67	13.53	14.41	14.89	15.13	15.17
677	15.13	11.48	13.23	14.21	14.85	<b>15.13</b>	<b>15.15</b>
680	16.00	11.16	12.52	13.33	14.01	14.50	14.78
681	16.00	11.10	12.24	12.95	13.55	14.02	14.34
682	15.53	11.06	12.10	12.63	13.17	13.65	14.00
684	15.91	11.02	12.02	12.49	12.97	13.42	13.81
685	14.65	11.01	11.97	12.42	12.88	13.31	13.68
686	14.54	11.00	11.95	12.40	12.85	13.28	13.65
688	16.00	10.98	11.89	12.33	12.76	13.17	13.51
690	15.00	10.97	11.88	12.32	12.74	13.16	13.50
691	16.00	13.73	<b>16.01</b>	<b>16.02</b>	<b>16.05</b>	<b>16.08</b>	<b>16.12</b>
691.1	18.00	12.72	14.66	15.32	15.95	16.41	16.76
691.2	18.00	11.79	13.44	14.21	17.90	17.77	<b>18.00</b>
692	18.00	12.71	14.81	16.30	<b>18.00</b>	<b>18.02</b>	<b>18.04</b>
695	14.00	10.40	10.97	11.24	11.52	11.80	12.03
697	18.87	11.71	13.31	14.09	15.69	15.67	<b>18.87</b>
698	14.00	10.38	10.93	11.19	11.46	11.74	11.96
706	15.50	9.78	10.43	10.74	11.07	11.43	11.70
709	15.50	10.87	11.51	11.95	12.81	14.00	15.24
710	15.00	10.23	10.74	11.05	11.44	11.99	12.69
711	15.50	9.83	10.43	10.75	11.09	11.50	11.94
712	14.00	9.75	10.41	10.72	11.05	11.40	11.66
712.1	14.00	8.01	8.70	8.99	9.30	9.63	9.87
713	14.00	4.70	5.26	5.53	5.82	6.09	6.30
717	16.03	11.52	12.06	13.13	14.44	<b>16.03</b>	<b>16.04</b>
718	15.38	8.83	9.15	9.25	9.47	9.67	9.72
719	14.00	4.52	5.03	5.28	5.55	5.81	6.01
720	19.00	16.55	16.96	17.43	18.12	18.65	<b>19.00</b>
721	18.00	15.77	16.72	17.17	17.63	17.72	17.79
722	17.50	15.66	16.65	17.11	<b>17.50</b>	<b>17.52</b>	<b>17.53</b>

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
723	16.50	15.65	<b>16.50</b>	<b>16.50</b>	<b>16.51</b>	<b>16.52</b>	<b>16.54</b>
724	17.00	15.59	15.98	16.12	16.25	16.34	16.41
725	17.50	15.58	15.81	15.93	16.04	16.15	16.25
725.5	17.00	15.58	15.81	15.92	16.04	16.14	16.25
726	17.30	15.88	<b>17.30</b>	<b>17.31</b>	<b>17.31</b>	<b>17.32</b>	<b>17.34</b>
727	16.20	15.61	<b>16.21</b>	<b>16.21</b>	<b>16.23</b>	<b>16.25</b>	<b>16.27</b>
728	16.40	15.61	<b>16.40</b>	<b>16.41</b>	<b>16.41</b>	<b>16.42</b>	<b>16.42</b>
729	16.30	15.59	16.25	16.29	16.29	16.29	16.29
730	16.19	15.58	16.16	<b>16.19</b>	<b>16.19</b>	<b>16.20</b>	<b>16.20</b>
731	17.00	15.58	15.72	15.78	15.85	15.96	16.02
732	16.40	15.61	<b>16.40</b>	<b>16.40</b>	<b>16.41</b>	<b>16.41</b>	<b>16.42</b>
733	16.40	15.58	15.75	15.80	15.88	15.97	16.05
734	15.70	15.58	<b>15.72</b>	<b>15.78</b>	<b>15.85</b>	<b>15.93</b>	<b>16.00</b>
735	15.50	<b>15.58</b>	<b>15.72</b>	<b>15.78</b>	<b>15.86</b>	<b>15.96</b>	<b>16.02</b>
736	16.00	15.58	<b>16.00</b>	<b>16.00</b>	<b>16.01</b>	<b>16.02</b>	<b>16.03</b>
737	15.84	15.58	15.75	15.78	<b>15.85</b>	<b>15.92</b>	<b>15.99</b>
738	16.00	15.58	15.75	15.78	15.85	15.92	15.99
739	15.50	<b>15.58</b>	<b>15.72</b>	<b>15.78</b>	<b>15.85</b>	<b>15.92</b>	<b>15.99</b>
740	15.61	15.58	<b>15.72</b>	<b>15.78</b>	<b>15.85</b>	<b>15.92</b>	<b>15.99</b>
741	16.70	16.43	<b>16.70</b>	<b>16.73</b>	<b>16.77</b>	<b>16.82</b>	<b>16.87</b>
742	16.63	16.43	<b>16.70</b>	<b>16.73</b>	<b>16.77</b>	<b>16.83</b>	<b>16.88</b>
743	16.03	<b>16.06</b>	<b>16.23</b>	<b>16.32</b>	<b>16.43</b>	<b>16.54</b>	<b>16.65</b>
744	16.03	15.62	15.75	15.81	15.89	15.99	<b>16.05</b>
745	16.03	15.59	15.73	15.79	15.86	15.97	<b>16.03</b>
746	16.00	15.59	15.85	<b>16.00</b>	<b>16.00</b>	<b>16.01</b>	<b>16.03</b>
747	16.00	15.58	15.73	15.79	15.86	15.96	<b>16.03</b>
748	15.50	<b>15.58</b>	<b>15.72</b>	<b>15.78</b>	<b>15.86</b>	<b>15.96</b>	<b>16.02</b>
749	16.00	15.58	15.72	15.78	15.85	15.96	<b>16.02</b>
750	18.50	15.57	15.72	15.78	15.85	15.96	16.02
751	17.50	13.25	14.33	14.82	15.33	15.66	15.96
752	17.50	12.76	14.01	14.61	15.25	15.73	16.08
753	16.74	12.19	13.21	13.70	14.25	14.61	14.91
754	13.44	10.43	10.68	10.78	10.86	10.90	10.95
755	15.00	8.56	8.66	8.69	8.72	8.74	8.75
757	17.00	15.03	15.17	15.24	15.32	15.39	15.46
758	16.83	13.05	13.28	13.42	13.70	14.40	14.94
759	16.00	12.61	12.80	13.04	13.49	14.18	14.75
760	15.50	11.87	12.33	12.73	13.27	13.91	14.48
761	15.50	11.33	12.13	12.52	13.00	13.49	13.87

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
762	15.50	11.30	12.10	12.49	12.96	13.42	13.78
764	13.62	11.25	11.97	12.30	12.66	13.00	13.18
765	13.15	11.25	11.97	12.30	12.65	13.00	<b>13.15</b>
766	14.88	11.25	11.97	12.30	12.65	12.99	13.16
768	16.00	12.81	14.01	14.83	15.90	<b>16.03</b>	<b>16.06</b>
769	16.45	12.76	13.97	14.79	15.83	16.01	16.04
770	16.25	12.69	13.92	14.71	15.72	15.99	16.06
774.1	17.83	13.64	14.75	15.91	17.47	<b>17.84</b>	<b>17.85</b>
774.2	17.56	13.04	14.09	15.00	16.15	16.61	16.67
775	17.28	12.89	14.02	14.88	15.98	16.41	16.48
776	16.23	12.64	13.88	14.64	15.64	16.04	16.13
777	16.50	12.62	13.85	14.60	15.57	15.95	16.04
778	15.00	12.30	13.01	13.44	13.97	14.41	14.62
780	15.00	11.63	12.45	12.99	13.62	14.18	14.46
781	15.94	11.60	12.41	12.92	13.52	14.07	14.33
782	15.60	11.37	12.11	12.46	12.88	13.29	13.48
783	14.51	11.25	11.97	12.29	12.63	12.97	13.13
784	14.50	11.24	11.95	12.27	12.60	12.93	13.08
785	14.15	11.08	11.80	12.12	12.47	12.80	12.97
786	13.87	11.04	11.73	12.03	12.33	12.61	12.77
787	14.00	10.73	11.43	11.74	12.03	12.32	12.50
788	14.00	9.92	10.65	10.96	11.24	11.49	11.66
789	14.00	9.78	10.52	10.82	11.10	11.34	11.51
790	13.50	9.59	10.32	10.61	10.87	11.10	11.25
793	14.00	10.11	11.88	13.27	<b>14.00</b>	<b>14.01</b>	<b>14.03</b>
794	12.00	8.91	9.46	9.60	9.72	9.87	9.98
796	12.00	8.62	9.16	9.23	9.29	9.38	9.48
798	12.00	6.88	7.46	7.58	7.69	7.77	7.83
799	11.00	4.49	4.95	5.20	5.45	5.69	5.88
800	12.00	4.33	4.80	5.04	5.30	5.55	5.75
802	12.00	4.18	4.57	4.80	5.04	5.27	5.46
803	12.00	4.14	4.51	4.73	4.95	5.18	5.36
804	17.09	11.62	12.35	12.87	13.70	14.71	15.71
804.1	16.70	10.26	10.88	11.24	11.64	12.09	12.49
805	14.00	9.22	10.14	10.60	11.08	11.61	12.08
806	13.50	8.92	9.85	10.32	10.82	11.37	11.86
807	12.40	8.07	9.08	9.60	10.16	10.78	11.34
808	12.00	7.96	8.76	9.13	9.50	9.86	10.15
809	12.00	6.36	6.98	7.25	7.51	7.78	8.00



**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
810	10.00	3.95	4.19	4.36	4.55	4.75	4.91
811	10.00	3.93	4.16	4.33	4.50	4.69	4.85
812	10.00	3.87	4.05	4.18	4.32	4.47	4.61
813	14.00	8.97	9.45	9.89	10.64	11.63	12.64
815	17.50	12.88	15.09	16.62	<b>17.50</b>	<b>17.52</b>	<b>17.53</b>
816	17.00	12.09	13.22	14.04	14.73	14.96	15.16
817	16.00	11.62	12.25	12.73	13.26	13.59	13.90
818	18.00	11.34	11.92	12.29	12.74	13.11	13.44
819	16.42	11.14	11.68	11.98	12.35	12.73	13.08
820	17.00	10.38	10.80	11.01	11.24	11.42	11.59
821	16.00	9.24	9.52	9.66	9.80	9.91	10.00
823	11.00	3.79	3.91	3.99	4.08	4.18	4.27
824	9.00	3.77	3.88	3.93	4.01	4.08	4.16
828	18.00	10.51	10.65	10.72	10.80	10.89	10.96
830	8.00	3.77	3.87	3.93	4.00	4.08	4.15
831	8.00	3.76	3.85	3.90	3.96	4.02	4.08
832	16.00	12.88	<b>16.00</b>	<b>16.02</b>	<b>16.04</b>	<b>16.08</b>	<b>16.12</b>
832.5	14.98	12.45	<b>14.99</b>	<b>15.01</b>	<b>15.04</b>	<b>15.08</b>	<b>15.12</b>
834	15.50	12.16	14.78	15.03	15.27	15.45	<b>15.50</b>
836	15.60	11.90	14.32	14.53	14.75	14.93	15.01
837	14.00	11.28	12.71	12.86	12.97	12.99	12.97
840	16.50	13.23	<b>16.51</b>	<b>16.53</b>	<b>16.55</b>	<b>16.58</b>	<b>16.62</b>
841	17.00	12.68	15.67	15.95	16.21	16.50	16.64
845	14.00	11.10	12.19	12.25	12.30	12.33	12.41
846	12.00	11.07	<b>12.07</b>	<b>12.14</b>	<b>12.21</b>	<b>12.30</b>	<b>12.38</b>
847	11.00	10.48	<b>11.09</b>	<b>11.15</b>	<b>11.22</b>	<b>11.31</b>	<b>11.39</b>
848	11.00	9.46	10.24	10.34	10.49	10.57	10.67
849	9.00	4.62	4.78	4.83	4.89	4.95	5.01
850	8.00	3.76	3.84	3.89	3.94	4.00	4.06
852	6.00	3.75	3.83	3.88	3.93	3.99	4.05
854	15.74	12.40	14.36	<b>15.74</b>	<b>15.76</b>	<b>15.78</b>	<b>15.80</b>
855	15.64	11.79	14.17	15.45	<b>15.65</b>	<b>15.68</b>	<b>15.71</b>
856	16.18	11.72	14.13	15.36	15.71	15.83	15.93
857	16.13	11.72	14.13	15.35	15.71	15.84	15.96
859	16.72	11.65	14.03	15.09	15.57	15.87	16.09
860	15.70	10.96	12.65	13.63	14.34	14.73	14.88
863	14.59	11.97	<b>14.59</b>	<b>14.61</b>	<b>14.64</b>	<b>14.67</b>	<b>14.70</b>
863.1	14.70	11.80	14.32	<b>14.72</b>	<b>14.75</b>	<b>14.80</b>	<b>14.83</b>
863.2	16.00	11.71	14.16	15.00	15.62	15.90	<b>16.00</b>

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
864	14.30	9.55	10.53	11.70	13.34	<b>14.31</b>	<b>14.32</b>
865	15.00	8.99	9.76	10.50	11.74	12.82	13.15
866	13.50	6.78	7.50	7.89	8.45	9.37	10.02
867	13.48	7.80	8.50	8.87	9.42	10.59	11.37
868	13.42	7.85	8.54	8.91	9.45	10.64	11.43
875	14.17	10.27	11.50	12.43	13.60	<b>14.17</b>	<b>14.19</b>
876	16.20	10.22	11.31	12.09	13.07	13.57	13.64
879	17.50	9.24	9.95	10.31	10.65	10.89	10.99
880	15.11	8.40	9.04	9.35	9.66	9.92	10.03
881	15.50	7.25	7.76	7.98	8.20	8.37	8.44
882	12.00	5.11	5.82	6.16	6.52	6.88	7.26
884	6.00	3.73	3.81	3.86	3.90	3.96	4.01
885	11.17	4.05	4.41	4.58	4.77	5.02	5.21
886	11.18	3.95	4.24	4.39	4.54	4.84	5.01
887	12.89	8.08	8.44	8.68	12.31	12.63	<b>12.89</b>
888	12.00	4.86	4.88	4.89	4.91	4.94	4.95
889	10.00	3.72	3.81	3.86	3.92	3.98	4.05
890	4.00	3.72	3.80	3.84	3.88	3.93	3.98
891	6.00	3.71	3.78	3.82	3.86	3.91	3.95
892	15.61	14.12	<b>15.63</b>	<b>15.65</b>	<b>15.67</b>	<b>15.70</b>	<b>15.73</b>
893	15.68	11.27	14.54	15.16	15.19	15.21	15.22
894	16.53	10.54	14.83	16.11	<b>16.53</b>	<b>16.54</b>	<b>16.56</b>
895	16.63	10.29	14.71	15.62	15.92	15.98	16.03
896	15.00	10.20	14.56	<b>15.02</b>	<b>15.05</b>	<b>15.09</b>	<b>15.14</b>
897	14.88	10.11	14.39	<b>14.91</b>	<b>14.95</b>	<b>15.01</b>	<b>15.07</b>
898	15.75	10.05	14.32	15.04	15.10	15.14	15.20
899	16.01	10.03	14.30	15.05	15.10	15.14	15.20
900	14.81	9.92	14.17	<b>14.84</b>	<b>14.91</b>	<b>14.98</b>	<b>15.07</b>
902	16.83	9.44	13.56	15.03	15.96	16.75	<b>16.84</b>
903	16.21	8.23	12.06	14.12	15.65	<b>16.22</b>	<b>16.25</b>
905	8.90	5.66	7.74	<b>8.90</b>	<b>8.94</b>	<b>8.99</b>	<b>9.05</b>
906	9.00	4.28	4.93	5.31	5.45	5.58	5.69
907	9.00	3.72	3.80	3.85	3.89	3.94	3.98
909	8.00	3.71	3.79	3.83	3.87	3.92	3.96
912	6.00	3.71	3.77	3.81	3.85	3.90	3.94
913	8.00	3.69	3.75	3.78	3.82	3.85	3.89
923	14.00	8.48	9.60	10.96	12.51	<b>14.00</b>	<b>14.01</b>
924	13.00	7.19	7.81	8.08	8.38	8.65	8.82
925	10.00	7.11	7.72	7.98	8.26	8.50	8.65

**Table C-1. Existing Conditions Peak Water Surface Elevations (Scenario 1)**

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)
926	10.00	6.01	6.35	6.44	6.56	6.66	6.71
927	10.00	3.68	3.77	3.82	3.88	3.95	3.99
931	13.21	8.81	9.90	11.46	<b>13.21</b>	<b>13.22</b>	<b>13.24</b>
932	13.50	8.12	8.91	9.77	10.95	10.97	10.98
933	12.00	6.55	7.10	7.38	7.80	7.80	7.81
934	12.00	5.47	5.98	6.28	6.54	6.54	6.54
935	10.00	3.68	3.73	3.75	3.78	3.82	3.85
936	10.00	3.68	3.73	3.75	3.78	3.82	3.85
937	14.00	9.00	9.50	9.86	10.55	13.83	<b>14.00</b>
938	15.00	8.18	8.53	8.76	9.00	9.27	9.55
939	15.00	6.67	7.29	7.53	7.71	7.89	8.06
941	14.88	8.90	11.84	13.94	<b>14.89</b>	<b>14.92</b>	<b>14.96</b>
942	14.00	7.80	8.80	9.55	10.05	10.28	10.54
943	14.00	7.61	8.50	9.05	9.46	9.65	9.87
944	14.00	7.17	7.95	8.40	8.67	8.80	8.91
945	10.00	3.67	3.71	3.73	3.76	3.79	3.81
946	8.00	3.67	3.70	3.73	3.76	3.78	3.81
947	6.00	3.67	3.71	3.73	3.76	3.78	3.81
948	6.00	3.67	3.71	3.73	3.75	3.78	3.81
951	9.00	5.77	6.36	6.70	<b>9.00</b>	<b>9.00</b>	<b>9.01</b>
952	4.00	3.66	3.69	3.72	3.74	3.77	3.79
954	6.00	3.65	3.68	3.70	3.72	3.74	3.76
956	6.00	3.64	3.66	3.68	3.70	3.71	3.73
958	10.00	3.64	3.67	3.68	3.71	3.74	3.76
960	6.00	3.63	3.65	3.66	3.67	3.68	3.69
962	8.00	3.63	3.64	3.65	3.66	3.68	3.69
964	6.00	3.62	3.63	3.63	3.64	3.64	3.65
966	6.00	3.61	3.61	3.61	3.61	3.61	3.62
967	6.00	3.60	3.60	3.60	3.60	3.60	3.60

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
101	19.75	15.73	16.51	17.48	19.62	<b>19.76</b>	<b>19.79</b>
103	18.55	13.41	14.77	15.82	17.00	17.66	18.11
104	22.00	13.38	14.40	15.15	16.04	17.06	17.99
105	20.00	13.14	14.40	15.15	16.04	17.06	17.99
107	20.00	13.14	14.39	15.14	16.03	17.05	17.98
109	19.13	13.09	14.37	15.12	16.00	17.02	17.95
110	19.47	13.21	14.37	15.13	16.01	17.03	17.96
111	20.30	13.10	14.37	15.13	16.01	17.03	17.96
113	19.35	13.22	14.37	15.12	16.17	17.72	19.21
114	20.00	13.09	14.37	15.12	16.00	17.02	17.95
116	19.80	12.16	13.28	13.92	14.64	15.44	16.14
118	21.81	12.03	13.08	13.69	14.36	15.11	15.76
119	20.00	11.99	13.06	13.66	14.33	15.07	15.70
121	20.40	11.97	13.06	13.67	14.34	15.09	15.73
122	18.00	15.41	16.34	17.00	17.93	<b>18.00</b>	<b>18.01</b>
122.1	18.00	14.88	15.16	15.29	15.43	15.45	15.72
122.2	20.00	14.20	14.43	14.54	14.65	15.08	15.72
123	19.00	11.97	13.06	13.67	14.34	15.08	15.72
126	18.70	14.02	14.65	15.34	17.32	<b>18.71</b>	<b>18.74</b>
126.1	19.27	12.69	13.84	14.86	16.60	18.01	18.13
127	18.80	12.25	13.37	14.18	15.74	17.01	17.27
129	18.00	11.97	13.05	13.66	14.33	15.08	15.72
130	20.12	13.19	17.08	19.61	<b>20.13</b>	<b>20.15</b>	<b>20.17</b>
130.1	18.80	11.96	13.05	13.65	14.32	15.06	15.70
133	18.00	15.44	<b>18.01</b>	<b>18.05</b>	<b>18.10</b>	<b>18.17</b>	<b>18.25</b>
135	19.20	14.66	16.94	17.53	17.93	18.35	18.63
137	18.02	14.39	16.76	<b>18.02</b>	<b>18.05</b>	<b>18.09</b>	<b>18.14</b>
138	18.20	14.32	16.59	17.81	17.88	17.95	18.01
140	18.15	14.63	17.03	<b>18.15</b>	<b>18.16</b>	<b>18.18</b>	<b>18.20</b>
141	18.43	14.25	16.39	17.56	17.68	17.80	17.90
143	20.45	13.47	14.74	15.58	16.19	16.69	17.08
144	20.45	13.39	14.56	15.37	15.99	16.49	16.88
145	18.00	11.96	13.04	13.65	14.32	15.06	15.70
147	21.44	12.22	13.02	13.63	14.30	15.08	16.31
148	19.57	11.95	13.02	13.63	14.30	15.04	15.67
150	19.40	13.96	14.76	15.36	16.31	17.78	18.61
151	19.00	14.15	14.98	15.86	16.94	18.67	<b>19.01</b>
152	19.70	13.73	14.49	15.03	15.76	17.00	17.51
153	18.80	11.95	13.02	13.63	14.30	15.04	15.67

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
155	18.00	12.38	13.53	15.21	17.16	<b>18.01</b>	<b>18.03</b>
156	20.00	11.95	13.02	13.63	14.30	15.04	15.67
159	16.00	11.95	13.02	13.63	14.30	15.04	15.67
162	18.23	12.99	15.44	17.38	<b>18.24</b>	<b>18.26</b>	<b>18.28</b>
163	17.79	12.01	13.55	14.71	15.50	15.86	16.17
164	17.85	11.96	13.05	13.67	14.34	15.08	15.72
166	17.21	14.54	16.85	<b>17.22</b>	<b>17.25</b>	<b>17.24</b>	<b>17.27</b>
167	17.21	14.49	16.72	<b>17.21</b>	<b>17.22</b>	<b>17.23</b>	<b>17.25</b>
168	18.50	13.74	15.78	16.56	16.94	17.25	17.45
170	17.51	12.61	13.80	14.57	15.23	15.74	16.10
171	17.90	11.96	13.05	13.67	14.33	15.08	15.72
173	17.22	14.38	14.81	15.03	15.27	15.54	15.81
173.1	17.22	11.96	13.05	13.66	14.33	15.08	15.72
174	17.30	11.95	13.05	13.66	14.33	15.08	15.72
175	17.33	11.96	13.05	13.67	14.34	15.26	16.57
176	17.33	11.96	13.05	13.67	14.33	15.08	15.72
177	17.95	11.96	13.05	13.66	14.33	15.08	15.72
178	18.80	11.95	13.05	13.66	14.33	15.08	15.72
180	18.00	11.95	13.05	13.66	14.33	15.08	15.72
181	16.37	12.56	13.82	15.74	<b>16.39</b>	<b>16.42</b>	<b>16.46</b>
182	18.00	11.96	13.05	13.66	14.33	15.08	15.72
184	19.00	13.00	13.05	13.67	14.33	15.08	15.72
186	20.00	16.20	17.74	18.60	19.58	<b>20.11</b>	<b>20.28</b>
187	20.10	15.72	16.84	17.43	18.09	18.78	19.30
188	20.10	15.74	17.01	17.69	18.44	19.24	19.94
189	20.10	15.70	16.81	17.40	18.06	18.73	19.23
189.1	17.99	15.68	16.64	17.24	17.80	<b>18.15</b>	<b>18.33</b>
190	18.00	15.66	16.59	17.18	17.71	<b>18.04</b>	<b>18.18</b>
191	21.50	18.76	19.36	19.74	20.19	20.69	21.12
191.1	21.50	18.12	19.04	19.57	19.98	20.43	20.81
192	20.00	16.97	17.38	17.42	17.72	18.10	18.32
193	20.00	15.63	16.32	17.00	17.62	18.01	18.23
194	20.00	15.63	16.33	17.00	17.62	18.01	18.23
195	18.00	15.65	16.47	17.10	17.66	<b>18.01</b>	<b>18.14</b>
196	16.93	15.60	16.45	<b>16.95</b>	<b>17.22</b>	<b>17.59</b>	<b>17.82</b>
196.1	18.00	15.06	15.34	15.44	15.79	16.43	16.95
197	18.00	15.66	16.59	17.18	17.71	<b>18.04</b>	<b>18.18</b>
198	18.13	15.86	17.11	17.81	<b>18.26</b>	<b>18.56</b>	<b>18.81</b>
199	19.00	15.21	15.91	16.33	16.95	17.41	17.77

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
200	19.00	15.20	15.91	16.32	16.95	17.41	17.77
201	19.00	14.70	14.98	15.60	16.23	16.88	17.43
202	17.50	14.25	14.86	15.53	16.19	16.86	17.49
203	17.50	13.70	14.84	15.51	16.18	16.87	<b>17.50</b>
204	18.87	13.60	14.76	15.44	16.11	16.88	17.61
205	19.28	13.52	14.66	15.35	16.12	17.02	17.86
206	18.13	13.24	14.33	14.99	15.70	16.42	17.10
207	19.53	13.10	14.20	14.83	15.54	16.26	16.92
208	20.00	12.94	13.85	14.41	15.04	15.65	16.21
210	19.10	14.86	17.06	18.73	<b>19.11</b>	<b>19.12</b>	<b>19.13</b>
211	17.58	14.21	15.70	16.96	<b>17.58</b>	<b>17.60</b>	<b>17.61</b>
212	17.59	12.86	13.68	14.22	14.77	15.18	15.77
213	18.84	12.66	13.45	13.87	14.42	15.14	15.77
214	20.00	15.50	16.18	16.87	17.49	17.91	18.20
215	17.58	13.80	14.71	15.41	16.46	<b>17.58</b>	<b>17.60</b>
216	17.67	12.42	13.42	14.12	14.92	15.81	16.58
217	19.00	16.73	<b>19.01</b>	<b>19.03</b>	<b>19.05</b>	<b>19.07</b>	<b>19.08</b>
218	19.50	15.20	16.42	17.09	17.94	18.99	<b>19.52</b>
219	20.00	15.21	16.42	17.08	17.94	18.99	19.52
220	19.50	15.20	16.41	17.07	17.94	18.99	<b>19.52</b>
221	19.50	15.12	16.33	16.99	17.91	18.96	<b>19.51</b>
222	20.00	16.04	17.49	18.26	18.75	19.38	<b>20.01</b>
223	20.00	16.01	17.45	18.22	18.61	19.18	19.78
223.1	20.00	15.06	16.36	17.17	18.02	19.13	19.73
224	20.50	15.05	16.36	17.17	17.96	18.93	19.50
225	18.45	14.35	16.93	<b>18.45</b>	<b>18.49</b>	<b>18.56</b>	<b>18.63</b>
226	18.59	14.30	16.89	18.45	18.55	<b>18.59</b>	<b>18.60</b>
228	19.30	14.45	17.31	19.14	<b>19.31</b>	<b>19.33</b>	<b>19.35</b>
229	18.80	14.37	17.14	<b>18.80</b>	<b>18.84</b>	<b>18.89</b>	<b>18.93</b>
230	18.63	14.24	16.84	18.45	<b>18.63</b>	<b>18.65</b>	<b>18.67</b>
231	20.82	14.17	16.71	18.35	18.77	18.86	18.95
232	19.00	12.94	14.71	15.88	16.32	16.80	17.23
234	16.00	14.21	15.74	<b>16.01</b>	<b>16.04</b>	<b>16.09</b>	<b>16.17</b>
235	18.50	13.89	15.00	15.37	15.71	16.07	16.46
236	20.00	13.56	14.59	14.93	15.24	15.58	16.11
237	20.00	12.70	13.59	13.94	14.43	15.35	16.08
239	18.43	11.98	13.11	13.74	14.62	15.90	17.30
240	18.00	11.98	13.11	13.74	14.43	15.33	16.08
241	18.00	11.95	13.05	13.66	14.33	15.08	15.72

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
242	17.70	12.32	13.01	13.62	14.28	15.02	15.65
243	19.20	11.94	13.01	13.62	14.28	15.02	15.65
244	18.00	11.94	13.01	13.62	14.28	15.02	15.65
246	16.96	15.81	<b>16.98</b>	<b>17.02</b>	<b>17.06</b>	<b>17.13</b>	<b>17.19</b>
247	17.64	14.51	15.37	15.69	16.16	16.71	17.13
248	17.06	13.90	14.67	15.11	15.77	16.55	<b>17.06</b>
250	17.79	13.53	14.03	14.32	14.70	15.44	17.15
251	17.61	12.54	13.01	13.62	14.28	15.02	15.65
254	18.30	15.78	16.52	17.42	<b>18.30</b>	<b>18.30</b>	<b>18.34</b>
255	18.00	12.26	13.29	13.86	14.53	15.24	15.83
256	18.00	12.26	13.28	13.85	14.52	15.23	15.83
257	18.00	12.26	13.28	13.85	14.52	15.23	15.83
259	20.00	12.25	13.27	13.84	14.51	15.22	15.82
260	17.61	14.96	16.23	17.33	<b>17.63</b>	<b>17.66</b>	<b>17.70</b>
261	18.41	14.77	15.83	16.77	17.20	17.39	17.58
262	18.01	14.36	15.42	16.15	16.72	17.10	17.46
263	18.00	14.02	15.05	15.69	16.34	16.86	17.33
265	17.64	12.52	13.27	13.84	14.51	15.22	15.82
266	18.00	12.25	13.27	13.84	14.50	15.21	15.81
267	17.39	12.91	13.43	13.82	14.68	16.01	17.21
268	18.33	12.23	13.25	13.81	14.47	15.18	15.79
269	17.65	12.23	13.25	13.81	14.47	15.18	15.79
271	19.13	16.46	17.19	17.74	18.44	<b>19.15</b>	<b>19.28</b>
272	19.13	15.22	16.26	16.97	17.77	18.69	<b>19.20</b>
273	20.00	14.82	16.22	16.95	17.76	18.68	19.27
274	20.00	14.22	15.01	15.45	15.92	16.67	17.21
275	20.00	14.01	14.65	15.05	15.51	16.02	16.57
276	18.00	13.25	14.01	14.50	15.04	15.77	16.44
277	17.28	15.36	<b>17.28</b>	<b>17.30</b>	<b>17.32</b>	<b>17.34</b>	<b>17.37</b>
278	17.74	14.57	16.57	17.29	<b>17.74</b>	<b>17.75</b>	<b>17.77</b>
279	17.26	13.64	14.28	14.58	14.79	15.61	16.15
280	17.43	12.23	13.23	13.81	14.45	15.17	15.78
282	18.00	14.00	14.46	14.78	15.72	17.19	<b>18.00</b>
283	17.07	12.39	13.54	14.15	14.78	15.47	16.12
285	18.67	13.64	14.14	14.50	15.25	16.51	17.59
286	17.37	13.11	13.73	14.26	15.10	16.29	17.15
287	16.53	12.68	13.59	14.21	14.94	15.97	<b>16.54</b>
288	16.50	12.39	13.57	14.18	14.83	15.55	16.34
290	16.50	12.37	13.53	14.14	14.77	15.44	16.07

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
292	18.80	16.93	17.41	17.68	17.98	18.32	18.63
293	18.80	16.92	17.40	17.68	17.98	18.31	18.62
293.1	18.80	14.32	14.60	14.80	15.27	15.96	16.59
294	19.30	13.72	14.26	14.68	15.23	15.94	16.57
295	19.50	13.58	14.16	14.60	15.17	15.86	16.49
296	19.50	13.03	13.86	14.40	15.02	15.73	16.34
297	19.50	12.79	13.76	14.34	14.98	15.70	16.30
298	19.00	12.53	13.66	14.26	14.91	15.62	16.21
299	18.50	12.48	13.63	14.23	14.88	15.58	16.17
301	17.70	12.82	13.54	14.13	14.75	15.40	15.96
302	18.66	14.32	14.70	14.89	15.12	15.42	15.99
303	17.89	14.87	15.09	15.20	15.31	15.44	15.97
304	19.25	14.08	14.23	14.30	14.75	15.40	15.96
306	19.34	18.78	<b>19.37</b>	<b>19.41</b>	<b>19.46</b>	<b>19.52</b>	<b>19.58</b>
307	19.31	17.08	17.95	18.14	18.34	18.55	18.73
308	17.62	14.18	14.88	15.37	15.89	16.43	16.88
309	16.80	13.17	13.81	14.40	15.03	15.68	16.24
310	17.07	12.40	13.55	14.15	14.78	15.45	16.02
311	16.50	12.37	13.53	14.13	14.75	15.40	15.96
313	17.92	13.10	13.50	14.07	14.68	15.29	15.79
315	16.80	13.32	15.97	<b>16.81</b>	<b>16.87</b>	<b>16.93</b>	<b>16.98</b>
316	16.80	13.10	15.45	16.35	16.63	16.70	16.77
317	16.30	12.78	14.65	15.63	16.28	<b>16.35</b>	<b>16.46</b>
318	16.30	12.44	13.77	14.58	15.17	15.74	16.11
321	17.10	12.40	13.54	14.13	14.77	15.43	16.09
322	16.50	12.36	13.49	14.07	14.67	15.28	15.79
322.2	16.50	11.94	13.02	13.63	14.30	15.04	15.67
323	18.00	11.94	13.01	13.62	14.28	15.02	15.65
324	18.00	11.87	12.94	13.52	14.15	14.85	15.44
325	18.00	13.74	15.68	16.73	17.92	<b>18.01</b>	<b>18.02</b>
326	16.80	13.54	15.04	15.69	16.39	16.56	16.63
327	16.80	13.47	14.85	15.39	15.94	16.13	16.23
328	15.55	13.68	<b>15.55</b>	<b>15.57</b>	<b>15.60</b>	<b>15.64</b>	<b>15.68</b>
329	16.80	13.34	14.54	14.91	15.26	15.48	15.60
330	17.01	11.82	12.87	13.43	14.04	14.71	15.27
332	17.62	13.20	14.84	16.22	<b>17.62</b>	<b>17.64</b>	<b>17.66</b>
333	17.56	12.27	13.07	13.96	15.02	15.53	15.98
334	17.55	12.19	12.95	13.81	14.82	15.36	15.85
335	18.50	11.82	12.87	13.43	14.05	14.71	15.30



**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
336	18.00	11.82	12.87	13.43	14.04	14.71	15.27
339	17.42	12.94	14.53	15.83	17.38	<b>17.45</b>	<b>17.61</b>
340	18.03	12.92	14.47	15.37	16.37	17.35	17.59
341	18.00	12.90	14.44	15.34	16.34	17.31	17.60
342	18.51	12.50	13.75	14.48	15.27	16.15	16.62
344	16.00	12.25	13.38	14.00	14.69	15.44	<b>16.03</b>
346	16.00	12.22	13.34	13.95	14.62	15.36	15.95
346.1	16.00	12.16	13.25	13.85	14.49	15.21	15.78
347	19.00	11.87	13.07	13.74	14.42	15.17	15.75
348	17.95	13.70	<b>17.27</b>	<b>17.96</b>	<b>17.99</b>	<b>18.03</b>	<b>18.08</b>
349	17.18	12.26	14.74	15.54	15.93	16.32	16.65
350	17.00	14.96	15.37	15.64	16.00	16.43	16.83
350.1	17.00	12.14	14.30	14.90	15.32	15.80	16.23
352	18.50	14.95	15.59	15.97	16.53	17.81	<b>18.50</b>
353	19.15	14.27	14.86	15.18	15.57	16.21	18.82
354	18.00	14.03	14.52	14.76	15.01	15.28	15.47
355	18.00	12.06	12.82	13.37	13.96	14.60	15.15
356	15.30	11.78	12.82	13.37	14.05	15.28	<b>15.31</b>
357	18.00	11.78	12.82	13.36	13.96	14.60	15.14
358	20.00	15.56	16.37	16.92	17.54	18.26	18.93
359	20.00	16.79	17.23	17.49	17.79	18.15	18.49
360	20.00	16.78	17.21	17.46	17.75	18.11	18.45
361	19.00	15.98	16.62	16.91	17.19	17.48	17.76
362	19.00	15.96	16.59	16.89	17.17	17.47	17.73
363	18.00	14.84	15.49	15.81	16.13	16.46	16.75
365	17.64	13.86	14.51	14.95	15.51	16.51	17.42
366	19.00	13.17	13.87	14.23	14.63	15.06	15.48
367	22.00	12.49	13.18	13.53	13.92	14.58	15.12
368	22.00	11.71	12.74	13.31	13.90	14.56	15.11
369	20.00	11.71	12.73	13.30	13.89	14.54	15.09
370	20.00	11.75	12.78	13.33	13.92	14.57	15.11
371	22.00	11.75	12.78	13.33	13.92	14.56	15.11
372	20.00	11.77	12.81	13.35	13.94	14.58	15.12
373	20.00	11.75	12.78	13.33	13.92	14.56	15.11
374	20.00	11.71	12.74	13.31	13.89	14.54	15.09
375	20.00	11.70	12.73	13.29	13.88	14.52	15.07
377	20.00	11.60	12.64	13.24	13.83	14.48	15.03
379	20.00	11.58	12.62	13.22	13.81	14.45	15.00
380	17.06	14.43	15.18	16.29	<b>17.07</b>	<b>17.11</b>	<b>17.19</b>

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
381	18.88	13.37	14.58	15.25	16.22	16.72	17.05
382	17.83	13.37	14.57	15.23	16.03	16.63	17.02
383	18.80	13.36	14.56	15.19	15.88	16.51	16.94
385	18.00	13.36	14.55	15.18	15.86	16.48	16.91
386	18.00	13.33	14.48	15.03	15.62	16.11	16.50
387	17.65	14.06	16.14	<b>17.65</b>	<b>17.68</b>	<b>17.71</b>	<b>17.75</b>
388	18.62	13.58	15.49	16.81	17.11	17.27	17.41
389	18.00	13.28	14.41	14.96	15.54	16.03	16.42
390	18.00	13.26	14.38	14.92	15.51	15.99	16.38
391	18.00	12.26	13.27	13.79	14.39	15.03	15.51
392	20.00	11.95	13.02	13.59	14.20	14.84	15.41
393	18.00	12.03	13.02	13.57	14.18	14.88	15.41
395	17.00	11.59	12.67	13.30	13.93	14.63	15.23
397	20.00	18.57	19.01	19.21	19.43	19.65	19.84
398	20.00	18.57	19.00	19.21	19.42	19.65	19.84
399	20.00	17.34	17.83	18.14	18.60	19.16	19.71
400	17.87	13.13	14.15	15.02	16.12	17.57	<b>17.87</b>
401	17.98	13.16	14.13	14.95	16.04	17.46	17.95
402	17.83	13.17	14.06	14.91	15.98	17.39	<b>17.84</b>
403	17.63	12.08	12.64	13.22	13.80	14.44	14.98
404	18.00	11.57	12.61	13.22	13.80	14.44	14.98
405	18.00	11.57	12.61	13.22	13.80	14.44	14.98
406	18.00	11.57	12.61	13.22	13.79	14.44	14.98
407	17.00	11.57	12.61	13.22	13.79	14.44	14.98
408	17.78	11.94	12.71	13.49	14.98	16.62	<b>17.78</b>
409	16.00	11.57	12.61	13.21	13.79	14.44	14.98
410	16.00	11.57	12.61	13.21	13.79	14.43	14.98
412	16.00	11.57	12.61	13.21	13.79	14.43	14.98
415	17.62	15.47	<b>17.63</b>	<b>17.65</b>	<b>17.68</b>	<b>17.72</b>	<b>17.76</b>
416	18.27	14.20	15.74	16.00	16.39	16.85	17.24
417	17.79	13.78	15.03	15.39	15.91	16.53	17.05
417.1	18.00	12.81	13.29	13.66	14.23	14.89	15.40
418	18.00	12.13	12.70	13.38	14.02	14.71	15.26
419	18.91	14.41	14.77	14.96	15.19	15.47	15.76
420	16.00	11.56	12.60	13.21	13.79	14.43	14.97
421	19.33	11.56	12.60	13.27	13.94	14.64	15.20
422	16.00	11.56	12.60	13.21	13.78	14.42	14.97
423	16.00	11.56	12.60	13.20	13.78	14.42	14.96
424	18.00	11.55	12.58	13.18	13.75	14.37	14.90

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
425	18.00	11.55	12.57	13.17	13.74	14.37	14.90
426	20.00	13.74	14.47	15.17	16.10	17.11	17.98
427	19.00	12.34	13.97	15.00	16.03	17.07	17.96
428	17.26	12.03	13.59	14.55	15.50	16.47	<b>17.26</b>
429	17.56	11.93	13.46	14.39	15.31	16.25	17.03
430	18.00	11.55	12.57	13.17	13.74	14.37	14.89
433	18.00	15.64	16.61	17.11	17.69	<b>18.06</b>	<b>18.17</b>
434	18.00	15.59	16.44	16.85	17.36	17.75	17.83
435	17.73	15.35	16.23	16.71	17.33	<b>17.74</b>	<b>17.77</b>
436	18.00	15.30	16.10	16.51	17.09	17.56	17.66
437	17.01	13.08	14.12	15.08	16.39	<b>17.05</b>	<b>17.17</b>
438	16.94	12.55	15.23	<b>16.94</b>	<b>16.95</b>	<b>16.98</b>	<b>17.00</b>
439	17.01	11.72	13.04	14.00	14.98	15.74	16.10
441	17.56	13.55	13.78	13.90	14.04	14.36	14.89
442	17.43	13.18	13.18	13.17	13.73	14.36	14.89
443	18.00	17.34	<b>18.02</b>	<b>18.06</b>	<b>18.09</b>	<b>18.12</b>	<b>18.14</b>
445	18.00	17.19	<b>18.00</b>	<b>18.04</b>	<b>18.07</b>	<b>18.10</b>	<b>18.13</b>
447	18.00	17.15	<b>18.00</b>	<b>18.04</b>	<b>18.07</b>	<b>18.10</b>	<b>18.12</b>
448	18.00	16.76	17.95	<b>18.03</b>	<b>18.05</b>	<b>18.08</b>	<b>18.11</b>
449	18.40	16.62	17.89	18.09	18.20	18.24	18.25
450	18.00	15.28	17.76	<b>18.01</b>	<b>18.03</b>	<b>18.06</b>	<b>18.08</b>
451	18.00	14.84	17.30	<b>18.00</b>	<b>18.01</b>	<b>18.03</b>	<b>18.04</b>
452	18.00	14.76	17.29	<b>18.00</b>	<b>18.01</b>	<b>18.02</b>	<b>18.04</b>
453	18.80	11.63	12.68	13.38	13.94	14.55	15.06
455	16.00	11.54	12.56	13.16	13.73	14.36	14.89
458	17.53	12.27	16.84	17.46	<b>17.55</b>	<b>17.58</b>	<b>17.63</b>
459	15.89	11.95	<b>15.89</b>	<b>15.93</b>	<b>15.99</b>	<b>16.08</b>	<b>16.17</b>
460	16.00	11.27	12.28	12.88	13.49	14.15	14.70
461	20.54	13.97	15.43	17.71	20.48	<b>20.56</b>	<b>20.58</b>
462	16.00	10.80	11.83	12.44	13.12	13.82	14.41
463	16.65	<b>16.65</b>	<b>16.67</b>	<b>16.68</b>	<b>16.70</b>	<b>16.72</b>	<b>16.74</b>
463.1	17.00	15.62	15.87	16.02	16.18	16.35	16.49
464	14.00	10.64	11.59	12.15	12.59	13.06	13.46
465	16.33	13.57	13.79	13.91	14.05	14.21	14.37
466	14.00	11.34	11.49	11.56	11.64	12.04	12.37
468	14.00	10.10	10.82	11.25	11.63	12.03	12.37
468.1	14.00	5.42	6.24	6.77	7.24	7.71	8.12
469	13.00	5.12	5.99	6.47	6.88	7.27	7.58
471	12.00	4.40	5.00	5.35	5.66	5.98	6.25

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
474	14.50	11.44	11.93	12.25	12.75	<b>14.50</b>	<b>14.51</b>
476	10.00	4.39	4.98	5.32	5.62	5.94	6.20
477	10.00	4.20	4.68	4.98	5.24	5.52	5.76
479	10.00	4.00	4.37	4.61	4.84	5.08	5.29
480	10.00	3.83	3.99	4.09	4.21	4.34	4.47
482	17.50	<b>17.50</b>	<b>17.51</b>	<b>17.51</b>	<b>17.52</b>	<b>17.53</b>	<b>17.54</b>
483	16.00	12.64	13.07	13.12	13.15	13.18	13.18
484	16.00	12.99	13.83	14.56	15.47	<b>16.00</b>	<b>16.01</b>
485	16.00	11.80	12.00	12.02	12.05	12.08	12.07
486	15.00	11.56	11.72	11.70	11.67	11.64	11.59
488	12.00	4.17	4.28	4.44	4.60	4.78	4.93
489	16.63	14.45	14.86	15.11	15.77	16.29	<b>16.63</b>
490	17.00	14.23	14.58	14.74	15.22	15.44	15.56
491	12.00	6.99	8.32	9.40	10.80	<b>12.00</b>	<b>12.01</b>
492	16.50	14.82	15.87	16.43	<b>16.52</b>	<b>16.54</b>	<b>16.56</b>
492.1	16.00	12.50	13.37	14.24	14.96	15.05	15.09
492.2	15.00	12.09	13.28	14.22	14.92	<b>15.00</b>	<b>15.01</b>
493	16.00	11.71	12.98	13.79	14.58	15.11	15.48
494	15.30	11.54	12.77	13.59	14.32	14.69	14.88
495	14.80	12.05	13.23	14.16	<b>14.81</b>	<b>14.85</b>	<b>14.93</b>
496	14.80	11.51	12.75	13.56	14.29	14.65	<b>14.80</b>
498	13.00	9.15	11.01	11.70	12.39	<b>13.00</b>	<b>13.01</b>
499	10.13	7.55	8.12	8.38	8.67	9.06	9.20
500	10.10	7.21	7.71	7.94	8.16	8.45	8.61
501	12.00	5.82	6.39	6.66	6.93	7.17	7.33
502	10.00	4.52	5.29	5.70	6.12	6.51	6.85
505	18.50	16.61	17.53	18.00	18.40	<b>18.51</b>	<b>18.53</b>
506	18.50	16.25	16.61	16.82	17.12	17.27	17.33
508	18.00	15.47	15.89	16.13	16.49	16.72	16.86
509	18.00	15.28	15.65	15.85	16.11	16.31	16.45
511	18.00	14.94	15.33	15.51	15.72	15.97	16.19
512	18.00	14.91	15.29	15.46	15.67	15.92	16.15
513	16.45	13.84	<b>16.45</b>	<b>16.46</b>	<b>16.48</b>	<b>16.51</b>	<b>16.55</b>
513.1	15.74	12.31	13.15	13.49	13.59	13.77	13.88
514	14.00	10.78	11.62	11.99	12.32	12.63	12.77
515	12.00	10.12	10.99	11.39	11.75	<b>12.02</b>	<b>12.09</b>
516	14.00	9.95	10.82	11.22	11.59	11.87	11.93
517	16.00	9.45	10.27	10.67	11.07	11.39	11.51
518	16.00	9.34	10.07	10.39	10.66	10.92	11.18

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
521	22.00	17.44	18.11	18.51	18.89	19.22	20.64
522	20.00	17.41	18.08	18.44	18.74	18.91	<b>20.00</b>
523	18.50	17.17	17.89	18.29	<b>18.51</b>	<b>18.53</b>	<b>18.55</b>
524	18.50	16.96	17.43	17.66	17.80	17.87	17.93
525	20.00	15.63	16.37	16.68	16.98	17.25	17.45
528	17.80	16.23	<b>17.81</b>	<b>17.82</b>	<b>17.84</b>	<b>17.87</b>	<b>17.89</b>
529	18.00	15.60	16.57	16.80	17.03	17.23	17.38
530	18.00	15.44	16.20	16.49	16.78	17.03	17.23
531	18.00	15.42	16.18	16.48	16.76	17.01	17.21
532	18.00	14.87	15.63	15.91	16.16	16.38	16.54
533	16.80	14.55	15.73	16.53	<b>16.80</b>	<b>16.82</b>	<b>16.83</b>
534	18.51	14.52	15.36	15.87	16.23	16.34	16.42
535	18.00	14.48	15.18	15.44	15.68	15.88	16.04
536	18.00	14.47	15.18	15.44	15.68	15.87	16.03
538	19.20	19.10	<b>19.23</b>	<b>19.26</b>	<b>19.30</b>	<b>19.35</b>	<b>19.40</b>
539	19.50	18.69	18.78	18.76	18.75	18.76	18.80
540	16.00	13.82	14.46	14.68	14.89	15.06	15.21
541	16.00	13.36	13.87	13.98	14.08	14.17	14.26
542	16.00	12.84	13.13	13.27	13.42	13.58	13.71
543	16.00	12.71	12.98	13.11	13.23	13.36	13.46
544	14.00	9.50	10.00	10.21	10.44	10.83	11.20
546	18.00	15.66	<b>18.01</b>	<b>18.02</b>	<b>18.04</b>	<b>18.07</b>	<b>18.10</b>
547	17.70	14.39	16.52	17.10	<b>17.70</b>	<b>17.71</b>	<b>17.72</b>
548	17.40	12.87	13.45	13.66	13.88	13.89	13.89
549	17.60	11.94	12.31	12.40	12.50	12.50	12.50
550	18.00	11.08	11.16	11.16	11.16	11.16	11.30
551	16.00	8.80	9.43	9.72	10.12	10.69	11.10
553	14.10	10.78	11.10	11.27	11.45	11.66	11.87
554	14.00	7.99	8.93	9.42	9.96	10.58	11.00
555	16.00	7.97	8.91	9.40	9.94	10.56	10.98
557	18.20	17.05	<b>18.24</b>	<b>18.27</b>	<b>18.31</b>	<b>18.37</b>	<b>18.43</b>
558	17.80	13.17	15.18	15.87	16.56	17.26	<b>17.80</b>
559	16.80	10.39	10.98	11.28	11.61	12.04	12.41
560	15.00	7.62	8.80	9.31	9.88	10.51	10.93
562	16.10	13.33	13.71	13.99	14.57	<b>16.10</b>	<b>16.10</b>
563	14.80	12.41	12.75	13.07	13.46	13.76	13.82
564	17.30	<b>17.30</b>	<b>17.34</b>	<b>17.37</b>	<b>17.40</b>	<b>17.44</b>	<b>17.47</b>
565	16.80	14.89	<b>16.80</b>	<b>16.82</b>	<b>16.83</b>	<b>16.85</b>	<b>16.87</b>
566	14.80	11.37	12.46	12.46	12.49	13.07	13.32

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
567	12.30	7.96	8.82	9.32	9.88	10.52	10.93
568	12.12	7.55	8.75	9.27	9.84	10.49	10.90
570	16.00	14.80	15.83	<b>16.00</b>	<b>16.01</b>	<b>16.02</b>	<b>16.04</b>
571	15.50	14.50	14.92	14.99	14.99	15.00	15.00
572	17.17	<b>17.17</b>	<b>17.18</b>	<b>17.19</b>	<b>17.21</b>	<b>17.23</b>	<b>17.26</b>
574	18.00	14.62	15.41	16.21	17.04	17.55	<b>18.00</b>
575	18.00	13.19	13.87	14.22	14.89	15.48	16.00
576	18.00	12.43	13.07	13.34	13.70	14.11	14.47
577	14.00	7.15	7.75	8.57	9.19	9.95	10.65
578	12.50	5.79	6.30	6.58	6.76	7.00	7.29
579	12.46	5.68	6.26	6.53	6.70	6.96	7.26
580	16.00	4.64	5.23	5.52	5.76	6.06	6.38
582	17.00	12.84	13.04	13.11	13.26	13.66	14.13
583	17.00	12.44	12.58	12.65	12.73	12.82	12.90
584	16.00	4.37	4.97	5.27	5.54	5.86	6.18
585	17.00	13.28	13.73	14.11	14.70	15.94	<b>17.00</b>
586	16.50	12.37	12.65	12.82	13.28	14.64	15.92
587	16.00	11.27	11.66	11.86	12.52	13.93	15.30
588	16.70	8.39	9.16	9.98	11.17	12.34	13.61
589	17.00	8.00	8.92	9.83	10.99	12.16	13.40
590	16.00	7.22	8.28	9.08	9.95	10.99	12.08
592	16.00	6.95	7.98	8.62	9.39	10.37	11.37
593	16.50	6.84	7.83	8.41	9.13	10.08	11.04
594	15.35	5.90	6.63	6.95	7.33	7.74	8.36
595	9.50	4.27	4.77	5.08	5.41	5.83	6.19
596	9.21	4.18	4.75	5.05	5.34	5.66	5.98
597	9.57	4.12	4.53	4.75	4.97	5.19	5.38
599	8.00	3.99	4.27	4.44	4.62	4.80	4.95
600	16.00	13.96	15.40	15.68	<b>16.00</b>	<b>16.01</b>	<b>16.02</b>
601	15.00	13.89	<b>15.01</b>	<b>15.02</b>	<b>15.04</b>	<b>15.06</b>	<b>15.08</b>
602	15.00	13.73	14.68	14.70	14.71	14.73	14.75
603	13.50	<b>13.50</b>	<b>13.52</b>	<b>13.53</b>	<b>13.54</b>	<b>13.56</b>	<b>13.57</b>
604	13.05	<b>13.05</b>	<b>13.07</b>	<b>13.10</b>	<b>13.12</b>	<b>13.15</b>	<b>13.18</b>
605	12.76	<b>12.77</b>	<b>12.83</b>	<b>12.87</b>	<b>12.91</b>	<b>12.95</b>	<b>12.99</b>
606	13.16	12.84	13.03	13.05	13.07	13.09	13.11
607	13.00	12.50	<b>13.00</b>	<b>13.02</b>	<b>13.03</b>	<b>13.04</b>	<b>13.05</b>
609	13.50	11.97	12.77	12.90	12.92	12.93	12.96
611	12.50	10.43	12.10	<b>12.50</b>	<b>12.51</b>	<b>12.53</b>	<b>12.54</b>
612	12.00	7.91	8.51	8.66	8.68	8.70	8.72

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
613	10.80	7.24	7.56	7.64	7.66	7.68	7.70
614	10.80	<b>10.80</b>	<b>10.81</b>	<b>10.81</b>	<b>10.82</b>	<b>10.84</b>	<b>10.85</b>
615	10.50	6.96	7.17	7.23	7.24	7.27	7.29
616	9.00	5.98	6.21	6.31	6.39	6.46	6.52
617	10.00	5.53	5.77	5.90	6.01	6.11	6.20
618	10.00	4.16	4.39	4.51	4.66	4.83	4.96
622	14.00	3.97	4.22	4.37	4.53	4.70	4.84
624	14.00	3.92	4.13	4.25	4.40	4.55	4.69
625	10.00	3.89	4.08	4.20	4.33	4.47	4.60
627	6.00	3.85	4.01	4.11	4.23	4.36	4.48
628	6.00	3.83	3.98	4.07	4.18	4.30	4.41
629	6.00	3.83	3.97	4.06	4.17	4.29	4.40
630	6.00	3.82	3.96	4.05	4.15	4.26	4.37
631	6.00	3.81	3.94	4.02	4.12	4.22	4.32
632	8.00	3.79	3.90	3.97	4.05	4.14	4.22
634	17.20	16.28	17.17	<b>17.21</b>	<b>17.24</b>	<b>17.28</b>	<b>17.31</b>
636	18.51	16.02	16.65	16.95	17.19	17.43	17.66
637	17.50	15.04	15.52	16.31	16.53	16.67	16.76
638	19.61	13.68	15.15	16.06	16.15	16.25	16.35
639	16.69	13.68	15.14	16.06	16.15	16.25	16.35
641	17.50	14.48	15.60	16.94	<b>17.51</b>	<b>17.52</b>	<b>17.53</b>
642	17.61	13.55	15.05	15.98	16.07	16.19	16.29
643	15.97	13.35	15.04	<b>15.97</b>	<b>16.06</b>	<b>16.17</b>	<b>16.28</b>
644	16.75	13.16	14.98	15.91	16.09	16.32	16.59
645	18.00	13.14	14.98	15.90	16.11	16.37	16.67
646	18.00	13.13	14.96	15.89	16.11	16.37	16.67
647	18.35	12.87	14.74	15.66	16.10	16.43	16.97
648	17.11	12.56	14.41	15.28	15.88	16.36	16.97
649	18.33	12.38	14.15	14.99	15.54	15.98	16.55
650	15.23	11.39	12.53	13.11	13.48	13.83	14.15
651	15.22	11.26	12.34	12.90	13.28	13.64	13.97
653	15.20	11.00	11.88	12.37	12.77	13.17	13.55
654	15.00	10.94	11.88	12.37	12.77	13.17	13.51
655	14.91	10.94	11.88	12.37	12.77	13.17	13.51
658	15.50	12.40	<b>15.50</b>	<b>15.51</b>	<b>15.54</b>	<b>15.56</b>	<b>15.59</b>
660	15.00	11.89	14.26	14.78	<b>15.00</b>	<b>15.01</b>	<b>15.03</b>
661	14.00	11.14	12.51	13.00	13.39	13.81	<b>14.00</b>
662	16.00	10.93	11.87	12.36	12.76	13.16	13.50
663	15.50	12.45	<b>15.50</b>	<b>15.51</b>	<b>15.53</b>	<b>15.55</b>	<b>15.58</b>

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
664	14.00	10.98	12.19	12.87	13.21	13.55	13.83
666	14.00	10.93	11.87	12.36	12.76	13.16	13.49
667	14.00	11.05	12.41	13.29	<b>14.00</b>	<b>14.01</b>	<b>14.03</b>
668	14.00	10.99	12.04	12.70	13.43	13.65	13.81
669	14.00	10.92	11.87	12.35	12.75	13.15	13.49
671	15.43	12.43	15.21	<b>15.45</b>	<b>15.48</b>	<b>15.51</b>	<b>15.54</b>
672	15.80	12.41	15.16	15.43	15.45	15.47	15.50
673	15.30	12.28	14.88	15.26	<b>15.30</b>	<b>15.30</b>	<b>15.31</b>
674	15.00	12.11	14.51	<b>15.01</b>	<b>15.04</b>	<b>15.09</b>	<b>15.13</b>
675	15.00	12.06	14.39	14.95	<b>15.00</b>	<b>15.03</b>	<b>15.07</b>
676	15.63	11.80	13.88	14.70	14.98	15.12	15.19
677	15.13	11.59	13.48	14.52	14.99	<b>15.14</b>	<b>15.16</b>
680	16.00	11.18	12.66	13.55	14.16	14.58	14.86
681	16.00	11.07	12.34	13.08	13.63	14.07	14.39
682	15.53	11.01	12.15	12.71	13.20	13.66	14.01
684	15.91	10.97	12.03	12.55	12.98	13.40	13.79
685	14.65	10.95	11.95	12.46	12.88	13.29	13.66
686	14.54	10.94	11.93	12.43	12.85	13.26	13.62
688	16.00	10.92	11.86	12.34	12.75	13.15	13.49
690	15.00	10.91	11.85	12.33	12.73	13.13	13.48
691	16.00	14.06	<b>16.02</b>	<b>16.04</b>	<b>16.07</b>	<b>16.12</b>	<b>16.16</b>
691.1	18.00	13.28	15.64	16.29	16.91	17.46	<b>18.00</b>
691.2	18.00	12.07	13.77	14.54	17.53	17.98	<b>18.00</b>
692	18.00	12.80	15.08	16.51	<b>18.00</b>	<b>18.02</b>	<b>18.05</b>
695	14.00	10.37	10.96	11.23	11.51	11.80	12.03
697	18.87	11.95	13.57	14.35	16.52	16.01	<b>18.87</b>
698	14.00	10.35	10.92	11.18	11.45	11.74	11.96
706	15.50	9.79	10.44	10.74	11.07	11.43	11.71
709	15.50	10.87	11.51	11.95	12.82	14.00	15.28
710	15.00	10.23	10.74	11.06	11.45	11.99	12.71
711	15.50	9.83	10.44	10.75	11.09	11.51	11.95
712	14.00	9.76	10.42	10.72	11.04	11.40	11.67
712.1	14.00	8.02	8.71	9.00	9.30	9.63	9.88
713	14.00	4.78	5.42	5.69	5.95	6.21	6.41
717	16.03	11.53	12.07	13.13	14.44	<b>16.03</b>	<b>16.04</b>
718	15.38	8.81	9.11	9.26	9.48	9.69	9.73
719	14.00	4.62	5.22	5.47	5.71	5.95	6.14
720	19.00	17.04	18.59	<b>19.00</b>	<b>19.01</b>	<b>19.02</b>	<b>19.03</b>
721	18.00	16.50	17.72	17.79	17.81	17.83	17.86



**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
722	17.50	16.35	<b>17.51</b>	<b>17.54</b>	<b>17.57</b>	<b>17.61</b>	<b>17.65</b>
723	16.50	14.26	15.48	15.98	<b>16.50</b>	<b>16.51</b>	<b>16.52</b>
724	17.00	14.24	15.42	15.88	16.09	16.19	16.25
725	17.50	14.09	15.17	15.66	15.85	15.95	16.02
725.5	17.00	14.05	15.16	15.65	15.85	15.94	16.02
726	17.30	14.96	16.25	<b>17.30</b>	<b>17.31</b>	<b>17.32</b>	<b>17.33</b>
727	16.20	14.05	15.17	15.91	<b>16.20</b>	<b>16.21</b>	<b>16.22</b>
728	16.40	13.94	15.05	15.70	<b>16.40</b>	<b>16.41</b>	<b>16.41</b>
729	16.30	13.93	15.02	15.65	16.21	16.29	16.29
730	16.19	13.92	15.01	15.61	16.08	<b>16.19</b>	<b>16.19</b>
731	17.00	13.89	14.90	15.39	15.51	15.56	15.58
732	16.40	14.28	14.95	15.56	<b>16.40</b>	<b>16.41</b>	<b>16.41</b>
733	16.40	13.88	14.90	15.41	15.64	15.74	15.75
734	15.70	13.93	14.92	15.42	15.59	<b>15.70</b>	<b>15.70</b>
735	15.50	13.93	14.91	15.40	<b>15.51</b>	<b>15.55</b>	<b>15.58</b>
736	16.00	14.12	15.40	<b>16.00</b>	<b>16.01</b>	<b>16.01</b>	<b>16.02</b>
737	15.84	14.12	15.28	15.76	15.79	<b>15.84</b>	<b>15.84</b>
738	16.00	14.12	15.28	15.76	15.80	15.85	15.85
739	15.50	14.11	15.21	<b>15.51</b>	<b>15.59</b>	<b>15.66</b>	<b>15.71</b>
740	15.61	14.12	15.23	<b>15.61</b>	<b>15.64</b>	<b>15.68</b>	<b>15.73</b>
741	16.70	16.41	16.69	<b>16.73</b>	<b>16.77</b>	<b>16.82</b>	<b>16.86</b>
742	16.63	16.41	<b>16.69</b>	<b>16.73</b>	<b>16.77</b>	<b>16.82</b>	<b>16.87</b>
743	16.03	<b>16.04</b>	<b>16.18</b>	<b>16.27</b>	<b>16.39</b>	<b>16.51</b>	<b>16.61</b>
744	16.03	14.23	15.13	15.52	15.72	15.85	15.92
745	16.03	14.10	14.98	15.44	15.68	15.83	15.90
746	16.00	14.09	14.98	15.46	15.76	<b>16.00</b>	<b>16.00</b>
747	16.00	14.09	14.97	15.43	15.67	15.82	15.89
748	15.50	13.93	14.91	15.40	<b>15.51</b>	<b>15.55</b>	<b>15.58</b>
749	16.00	13.87	14.89	15.38	15.50	15.54	15.57
750	16.00	13.85	14.88	15.37	15.49	15.54	15.56
751	17.23	13.62	14.52	14.97	15.12	15.23	15.29
752	16.96	12.99	13.66	13.90	14.11	14.44	14.59
753	19.03	12.17	12.67	12.81	12.92	13.09	13.18
753.1	18.88	11.89	12.35	12.48	12.58	12.73	12.81
753.2	18.55	11.84	12.29	12.43	12.53	12.67	12.75
754	16.07	10.69	11.12	11.24	11.34	11.48	11.55
755	15.00	8.21	8.47	8.57	8.67	8.74	8.79
757	17.00	15.03	15.16	15.23	15.29	15.76	16.15
758	16.83	13.06	13.74	14.51	15.01	15.64	16.02

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
759	16.00	12.57	13.61	14.37	14.92	15.51	15.85
760	15.50	12.33	13.46	14.12	14.80	15.38	<b>15.50</b>
761	15.50	12.13	13.19	13.67	14.05	14.42	14.47
762	15.50	12.11	13.15	13.60	13.94	14.28	14.33
764	13.62	12.03	12.95	13.23	13.28	13.36	13.44
765	13.15	12.02	12.92	<b>13.16</b>	<b>13.20</b>	<b>13.25</b>	<b>13.31</b>
766	14.88	12.01	12.88	13.15	13.19	13.24	13.29
768	16.00	13.48	15.43	<b>16.01</b>	<b>16.04</b>	<b>16.09</b>	<b>16.14</b>
769	16.45	13.46	15.40	16.04	16.08	16.16	16.22
770	16.25	13.43	15.34	16.05	16.14	<b>16.25</b>	<b>16.25</b>
774.1	17.83	14.33	17.34	<b>17.84</b>	<b>17.86</b>	<b>17.88</b>	<b>17.91</b>
774.2	17.56	13.69	15.90	16.63	16.76	16.77	16.78
775	17.28	13.60	15.71	16.44	16.58	16.59	16.60
776	16.23	13.41	15.34	16.08	<b>16.23</b>	<b>16.23</b>	<b>16.23</b>
777	16.50	13.38	15.27	15.99	16.16	16.22	16.24
778	15.00	12.82	14.04	14.60	14.86	<b>15.00</b>	<b>15.03</b>
780	15.00	12.39	13.80	14.43	14.75	14.96	<b>15.00</b>
781	15.94	12.36	13.71	14.30	14.60	14.79	14.84
782	15.60	12.11	13.09	13.46	13.59	13.67	13.71
783	14.51	11.99	12.84	13.11	13.16	13.22	13.26
784	14.50	11.97	12.80	13.06	13.12	13.17	13.21
785	14.15	11.82	12.66	12.93	13.00	13.06	13.10
786	13.87	11.74	12.47	12.71	12.78	12.84	12.89
787	14.00	11.40	12.14	12.40	12.50	12.59	12.67
788	14.00	10.61	11.33	11.57	11.66	11.74	11.81
789	14.00	10.48	11.18	11.41	11.50	11.58	11.65
790	13.50	10.28	10.95	11.16	11.24	11.31	11.38
793	14.00	10.18	12.29	13.63	<b>14.01</b>	<b>14.02</b>	<b>14.03</b>
794	12.00	9.38	9.75	9.90	9.97	10.02	10.07
796	12.00	9.10	9.32	9.39	9.46	9.52	9.58
798	12.00	7.35	7.64	7.74	7.81	7.86	7.90
799	11.00	4.75	5.31	5.54	5.73	5.92	6.09
800	12.00	4.47	5.03	5.27	5.50	5.72	5.90
802	12.00	4.27	4.78	5.00	5.21	5.42	5.60
803	12.00	4.22	4.70	4.91	5.12	5.33	5.50
804	17.09	11.62	12.35	12.87	13.70	14.71	15.71
804.1	16.70	10.26	10.88	11.24	11.64	12.09	12.49
805	14.00	9.22	10.14	10.60	11.08	11.61	12.08
806	13.50	8.92	9.85	10.32	10.82	11.37	11.86

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
807	12.40	8.07	9.08	9.60	10.16	10.78	11.34
808	12.00	7.96	8.76	9.13	9.50	9.86	10.15
809	12.00	6.36	6.98	7.26	7.53	7.81	8.03
810	10.00	3.99	4.29	4.47	4.65	4.84	5.00
811	10.00	3.97	4.27	4.43	4.61	4.79	4.94
812	10.00	3.89	4.12	4.26	4.40	4.55	4.68
813	14.00	8.97	9.45	9.89	10.64	11.63	12.64
815	17.50	12.88	15.09	16.62	<b>17.50</b>	<b>17.52</b>	<b>17.53</b>
816	17.00	12.09	13.22	14.04	14.73	14.96	15.16
817	16.00	11.62	12.25	12.73	13.26	13.59	13.90
818	18.00	11.34	11.92	12.29	12.74	13.11	13.44
819	16.42	11.14	11.68	11.98	12.35	12.73	13.08
820	17.00	10.38	10.80	11.01	11.24	11.42	11.59
821	16.00	9.24	9.52	9.66	9.80	9.91	10.00
823	11.00	3.80	3.94	4.02	4.11	4.22	4.31
824	9.00	3.78	3.89	3.95	4.02	4.11	4.18
828	18.00	10.66	10.84	10.94	11.04	11.17	11.29
830	8.00	3.78	3.88	3.94	4.02	4.10	4.17
831	8.00	3.76	3.85	3.91	3.97	4.04	4.10
832	16.00	12.93	<b>16.00</b>	<b>16.02</b>	<b>16.04</b>	<b>16.08</b>	<b>16.12</b>
832.5	14.98	12.50	<b>14.99</b>	<b>15.01</b>	<b>15.04</b>	<b>15.08</b>	<b>15.13</b>
834	15.50	12.22	14.80	15.08	15.32	15.47	<b>15.50</b>
836	15.60	11.96	14.37	14.57	14.81	14.99	15.06
837	14.00	11.44	12.72	12.92	12.96	12.96	12.97
840	16.50	13.30	<b>16.51</b>	<b>16.53</b>	<b>16.55</b>	<b>16.59</b>	<b>16.62</b>
841	17.00	12.75	15.71	15.98	16.25	16.52	16.66
845	14.00	11.28	12.18	12.31	12.30	12.34	12.42
846	12.00	11.25	<b>12.08</b>	<b>12.14</b>	<b>12.22</b>	<b>12.31</b>	<b>12.39</b>
847	11.00	10.67	<b>11.11</b>	<b>11.17</b>	<b>11.24</b>	<b>11.33</b>	<b>11.41</b>
848	11.00	9.67	10.35	10.47	10.62	10.70	10.82
849	9.00	4.65	4.80	4.85	4.91	4.98	5.04
850	8.00	3.77	3.85	3.90	3.95	4.02	4.07
852	6.00	3.75	3.84	3.88	3.94	4.00	4.06
854	15.74	12.40	14.36	<b>15.74</b>	<b>15.76</b>	<b>15.78</b>	<b>15.80</b>
855	15.64	11.79	14.17	15.45	<b>15.65</b>	<b>15.68</b>	<b>15.71</b>
856	16.18	11.72	14.13	15.36	15.71	15.83	15.93
857	16.13	11.72	14.13	15.35	15.71	15.84	15.96
859	16.72	11.65	14.03	15.09	15.57	15.87	16.09
860	15.70	10.96	12.65	13.63	14.34	14.73	14.88

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
863	14.59	11.97	<b>14.59</b>	<b>14.61</b>	<b>14.64</b>	<b>14.67</b>	<b>14.70</b>
863.1	14.70	11.80	14.32	<b>14.72</b>	<b>14.75</b>	<b>14.80</b>	<b>14.83</b>
863.2	16.00	11.71	14.16	15.00	15.62	15.90	<b>16.00</b>
864	14.30	9.55	10.53	11.70	13.34	<b>14.31</b>	<b>14.32</b>
865	15.00	8.99	9.76	10.50	11.74	12.81	13.15
866	13.50	6.78	7.50	7.89	8.45	9.37	10.03
867	13.48	7.80	8.50	8.87	9.42	10.58	11.38
868	13.42	7.85	8.54	8.91	9.45	10.63	11.43
875	14.17	10.27	11.50	12.44	13.60	<b>14.17</b>	<b>14.19</b>
876	16.20	10.22	11.31	12.09	13.07	13.57	13.63
879	17.50	9.24	9.95	10.31	10.65	10.89	10.99
880	15.11	8.40	9.04	9.35	9.66	9.92	10.03
881	15.50	7.25	7.76	7.98	8.20	8.37	8.44
882	12.00	5.11	5.82	6.16	6.52	6.89	7.27
884	6.00	3.74	3.82	3.86	3.91	3.97	4.02
885	11.17	4.05	4.41	4.59	4.77	5.04	5.24
886	11.18	3.95	4.24	4.39	4.54	4.85	5.02
887	12.89	8.08	8.44	8.67	11.96	<b>12.89</b>	<b>12.89</b>
888	12.00	4.86	4.88	4.89	4.91	4.94	4.95
889	10.00	3.72	3.81	3.86	3.92	3.99	4.05
890	4.00	3.73	3.80	3.84	3.89	3.94	3.99
891	6.00	3.72	3.78	3.82	3.87	3.92	3.96
892	15.61	14.12	<b>15.63</b>	<b>15.65</b>	<b>15.67</b>	<b>15.70</b>	<b>15.73</b>
893	15.68	11.27	14.71	15.17	15.19	15.21	15.22
894	16.53	10.54	15.04	16.21	<b>16.53</b>	<b>16.54</b>	<b>16.56</b>
895	16.63	10.45	14.92	15.67	15.93	16.00	16.04
896	15.00	10.36	14.77	<b>15.03</b>	<b>15.06</b>	<b>15.10</b>	<b>15.14</b>
897	14.88	10.26	14.59	<b>14.92</b>	<b>14.96</b>	<b>15.02</b>	<b>15.07</b>
898	15.75	10.20	14.52	15.05	15.11	15.16	15.22
899	16.01	10.17	14.49	15.06	15.12	15.16	15.23
900	14.81	10.07	14.36	<b>14.84</b>	<b>14.91</b>	<b>14.99</b>	<b>15.07</b>
902	16.83	9.57	13.74	15.11	15.99	16.75	<b>16.84</b>
903	16.21	8.33	12.18	14.24	15.68	<b>16.22</b>	<b>16.25</b>
905	8.90	5.70	7.80	<b>8.90</b>	<b>8.94</b>	<b>8.99</b>	<b>9.05</b>
906	9.00	4.29	4.94	5.32	5.45	5.58	5.69
907	9.00	3.72	3.81	3.85	3.90	3.95	3.99
909	8.00	3.72	3.79	3.83	3.88	3.92	3.97
912	6.00	3.71	3.78	3.81	3.86	3.90	3.95
913	8.00	3.69	3.75	3.78	3.82	3.86	3.89

**Table C-2. Future Conditions Peak Water Surface Elevations (Scenario 3)**

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)
923	14.00	8.49	9.71	11.10	12.61	<b>14.00</b>	<b>14.01</b>
924	13.00	7.27	7.90	8.18	8.48	8.76	8.95
925	10.00	7.19	7.81	8.07	8.35	8.59	8.76
926	10.00	6.07	6.38	6.48	6.59	6.70	6.75
927	10.00	3.69	3.78	3.83	3.90	3.98	4.02
931	13.21	8.81	9.90	11.46	<b>13.21</b>	<b>13.22</b>	<b>13.24</b>
932	13.50	8.12	8.91	9.77	10.95	10.97	10.98
933	12.00	6.55	7.10	7.38	7.80	7.80	7.81
934	12.00	5.47	5.98	6.28	6.54	6.54	6.54
935	10.00	3.68	3.73	3.76	3.79	3.82	3.85
936	10.00	3.68	3.73	3.75	3.78	3.82	3.85
937	14.00	9.00	9.50	9.86	10.56	<b>14.00</b>	<b>14.00</b>
938	15.00	8.18	8.53	8.76	9.00	9.26	9.55
939	15.00	6.67	7.29	7.53	7.71	7.88	8.06
941	14.88	8.90	11.84	13.94	<b>14.89</b>	<b>14.92</b>	<b>14.96</b>
942	14.00	7.80	8.80	9.55	10.05	10.28	10.54
943	14.00	7.61	8.50	9.05	9.46	9.65	9.87
944	14.00	7.17	7.95	8.40	8.67	8.80	8.91
945	10.00	3.67	3.71	3.73	3.76	3.79	3.81
946	8.00	3.67	3.71	3.73	3.76	3.79	3.81
947	6.00	3.67	3.71	3.73	3.76	3.79	3.81
948	6.00	3.67	3.71	3.73	3.76	3.79	3.81
951	9.00	5.77	6.36	6.70	<b>9.00</b>	<b>9.00</b>	<b>9.01</b>
952	4.00	3.66	3.69	3.72	3.74	3.78	3.79
954	6.00	3.65	3.68	3.70	3.72	3.75	3.77
956	6.00	3.64	3.67	3.68	3.70	3.71	3.73
958	10.00	3.64	3.67	3.68	3.71	3.74	3.76
960	6.00	3.63	3.65	3.66	3.67	3.68	3.69
962	8.00	3.63	3.65	3.65	3.67	3.68	3.69
964	6.00	3.62	3.63	3.63	3.64	3.64	3.65
966	6.00	3.61	3.61	3.61	3.61	3.61	3.62
967	6.00	3.60	3.60	3.60	3.60	3.60	3.60