



# Appendix C

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## Maximum Water Surface Elevations

**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)
110	20.00	20.05	20.11	20.16	20.22	20.28	20.36
112	20.00	18.83	18.85	18.86	18.86	18.86	18.87
114	19.00	19.01	19.03	19.06	19.08	19.11	19.14
116	19.00	18.82	18.84	18.84	18.84	18.84	18.85
118	19.00	18.80	18.82	18.82	18.82	18.83	18.83
120	19.00	15.97	16.19	16.33	16.71	17.38	18.07
122	19.00	15.77	15.75	15.78	16.06	16.36	16.58
124	15.00	13.43	13.97	14.38	14.75	15.00	15.02
126	15.00	10.42	10.50	10.55	10.53	10.63	10.63
128	18.00	10.87	11.19	11.35	11.59	11.70	11.87
130	18.00	10.52	10.85	11.01	10.78	11.32	11.48
132	16.00	8.40	8.38	8.38	9.56	8.66	8.70
134	20.00	16.86	17.03	17.07	16.97	17.15	17.19
136	18.00	6.23	6.45	6.66	7.09	7.40	7.85
138	9.00	5.47	5.87	6.36	6.90	7.33	7.81
140	9.00	4.86	5.63	6.07	6.43	6.73	7.09
150	19.70	16.42	19.70	19.70	19.71	19.73	19.74
154	16.30	15.07	15.68	16.01	16.30	16.31	16.32
160	15.50	14.34	14.83	15.04	15.19	15.24	15.28
164	18.00	7.05	7.29	7.48	7.60	7.71	7.78
168	18.00	4.85	5.63	6.06	6.43	6.72	7.08
170	10.00	4.85	5.60	6.03	6.36	6.60	6.91
172	10.00	4.85	5.59	6.01	6.32	6.54	6.82
210	20.50	19.25	19.47	19.60	19.72	19.84	19.97
214	19.50	18.44	18.65	18.76	18.85	18.92	18.99
218	18.00	16.78	17.00	17.12	17.24	17.36	17.47
220	17.50	16.31	16.56	16.68	16.78	16.84	16.91
222	19.00	11.23	11.60	11.94	12.44	13.08	13.49
224	13.00	9.86	10.67	10.77	11.65	12.58	13.01
230	20.00	16.42	17.42	18.17	18.98	19.31	19.46
232	19.15	16.38	17.40	18.14	18.95	19.20	19.29
234	21.17	16.30	17.21	17.87	18.61	19.40	20.19
236	22.00	16.28	17.19	17.86	18.60	19.39	20.20
238	20.00	15.44	16.65	17.36	18.06	18.64	19.05
240	19.80	12.58	13.06	13.44	13.80	14.06	14.20
242	19.00	11.88	12.27	12.58	12.87	13.05	13.11
244	13.00	8.25	8.77	9.14	9.38	9.70	10.01
246	13.00	10.61	12.70	13.01	13.03	13.05	13.07
248	10.94	8.01	8.55	8.94	9.25	9.60	9.94

**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)
250	14.00	7.86	8.38	8.79	9.11	9.50	9.86
252	14.00	7.63	8.13	8.52	8.84	9.23	9.60
254	12.00	10.27	<b>12.00</b>	<b>12.02</b>	<b>12.04</b>	<b>12.06</b>	<b>12.08</b>
256	13.80	6.90	7.30	7.65	7.99	8.46	8.91
258	16.52	7.09	7.53	7.92	8.25	8.68	9.12
260	14.00	11.64	12.21	12.52	12.82	13.06	13.30
262	14.00	8.83	9.46	9.77	9.93	10.18	10.94
264	16.00	8.79	9.44	9.76	9.92	10.16	10.93
266	16.00	7.05	7.37	7.72	8.15	8.66	9.16
268	16.00	6.67	7.19	7.58	8.07	8.64	9.15
270	16.25	6.57	7.07	7.43	7.88	8.34	8.82
272	19.50	<b>19.50</b>	<b>19.51</b>	<b>19.52</b>	<b>19.54</b>	<b>19.55</b>	<b>19.57</b>
274	20.95	15.34	16.14	18.80	19.62	<b>20.95</b>	<b>20.95</b>
276	18.32	14.76	15.13	15.50	16.56	18.21	15.73
278	17.08	12.93	13.21	13.48	13.99	15.57	14.02
280	18.29	10.95	11.19	11.45	11.95	13.30	12.43
282	18.00	4.96	5.75	6.26	6.92	7.36	7.84
286	16.00	4.94	5.73	6.21	6.87	7.31	7.80
288	16.00	4.85	5.59	6.01	6.32	6.53	6.82
290	15.00	4.84	5.59	6.00	6.31	6.53	6.81
294	5.80	4.82	5.57	<b>5.99</b>	<b>6.29</b>	<b>6.50</b>	<b>6.77</b>
296	5.46	4.07	4.31	4.45	4.78	5.05	5.37
298	8.50	3.87	4.04	4.16	4.34	4.55	4.81
310	14.60	<b>14.61</b>	<b>14.63</b>	<b>14.65</b>	<b>14.66</b>	<b>14.68</b>	<b>14.71</b>
312	13.88	11.67	11.67	11.69	11.70	11.69	11.69
316	8.54	7.69	8.00	8.19	8.37	8.42	8.42
318	10.86	7.48	7.75	7.93	8.11	8.16	8.16
320	10.50	7.99	8.70	9.41	10.24	<b>10.50</b>	<b>10.51</b>
322	10.10	7.53	7.94	8.17	8.40	8.46	8.46
324	11.00	7.29	7.64	7.86	8.06	8.12	8.11
326	10.00	3.85	4.01	4.12	4.26	4.45	4.68
330	9.00	3.84	4.00	4.11	4.25	4.44	4.67
332	12.00	3.83	3.98	4.09	4.22	4.40	4.62
340	11.13	5.79	6.38	6.86	7.33	7.62	7.91
342	11.13	5.37	5.50	5.59	5.86	6.62	7.48
344	9.13	3.82	3.97	4.07	4.19	4.35	4.57
348	6.50	3.82	3.97	4.07	4.19	4.35	4.57
356	13.86	6.86	7.29	7.63	8.09	8.72	9.64
358	11.50	6.63	6.85	7.01	7.17	7.35	7.55

**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)
360	10.55	6.75	7.15	7.48	7.90	8.62	9.34
362	8.60	6.63	6.85	7.00	7.17	7.34	7.54
364	8.00	6.63	6.85	7.00	7.17	7.34	7.54
366	8.00	4.18	4.60	4.95	5.55	6.46	6.95
368	8.10	3.81	3.95	4.05	4.17	4.31	4.52
372	6.50	3.80	3.94	4.04	4.15	4.29	4.48
376	6.50	3.80	3.94	4.04	4.15	4.28	4.47
378	12.13	5.72	6.80	7.45	7.78	8.12	8.63
380	12.13	4.80	4.95	5.26	5.78	7.33	8.28
382	10.43	3.83	3.97	4.10	4.29	4.47	4.66
384	10.74	3.81	3.95	4.05	4.19	4.35	4.55
386	11.13	3.80	3.95	4.05	4.18	4.33	4.53
410	16.00	14.81	15.65	<b>16.00</b>	<b>16.01</b>	<b>16.02</b>	<b>16.05</b>
412	16.00	14.20	14.88	15.20	15.39	15.71	<b>16.00</b>
414	18.00	11.27	12.90	13.77	14.46	15.35	16.01
416	19.00	11.26	12.88	13.76	14.43	15.35	16.02
418	20.00	11.09	12.38	13.07	13.61	14.33	14.89
424	19.00	12.61	13.19	13.54	13.87	14.20	14.51
426	17.00	12.56	13.14	13.48	13.81	14.12	14.42
430	20.00	10.89	11.75	12.16	12.47	12.82	13.08
434	16.00	13.15	14.44	15.38	15.95	<b>16.00</b>	<b>16.01</b>
436	16.00	11.24	11.29	11.67	12.08	12.52	12.78
440	16.50	10.20	11.02	11.41	11.73	12.07	12.32
444	14.00	6.45	7.36	7.84	8.24	8.70	9.07
450	8.00	4.79	5.57	6.00	6.35	6.75	7.09
452	12.00	4.09	4.51	4.78	5.04	5.36	5.66
456	6.50	4.02	4.37	4.60	4.82	5.10	5.42
458	6.50	3.97	4.25	4.45	4.65	4.89	5.15
464	8.00	3.94	4.20	4.39	4.58	4.81	5.07
468	6.00	3.90	4.12	4.28	4.45	4.64	4.87
502	13.45	9.65	10.71	11.40	12.12	12.83	13.40
504	14.45	10.36	11.63	12.45	13.28	14.10	<b>14.48</b>
506	13.45	9.54	10.69	11.39	12.11	12.83	13.40
508	13.00	9.09	<b>13.00</b>	<b>13.01</b>	<b>13.02</b>	<b>13.03</b>	<b>13.04</b>
510	14.57	5.33	6.42	7.03	8.15	9.13	10.21
512	11.09	5.18	6.21	6.88	8.04	9.06	10.10
514	10.68	5.16	6.18	6.84	8.01	9.04	10.10
520	18.00	15.16	16.31	17.00	17.65	<b>18.03</b>	<b>18.11</b>
522	16.75	14.43	15.08	15.52	15.93	16.17	16.22

**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)
524	18.88	14.23	14.78	15.14	15.49	15.69	15.74
526	16.72	13.96	14.42	14.65	14.90	15.06	15.10
528	20.94	13.62	14.01	14.18	14.35	14.45	14.47
530	14.87	12.31	12.56	12.67	12.76	12.81	12.82
532	16.39	12.09	12.33	12.43	12.51	12.56	12.56
534	14.33	10.71	10.83	10.88	10.92	10.94	10.95
538	12.80	8.30	8.67	8.89	9.09	9.29	9.48
542	12.80	6.34	6.90	7.24	7.63	8.09	8.73
546	14.45	5.02	5.91	6.54	7.31	8.20	9.06
548	11.72	4.91	5.80	6.43	7.20	8.08	8.84
556	10.19	6.08	7.36	8.10	8.83	9.87	<b>10.22</b>
560	13.59	4.73	5.55	6.05	6.65	7.40	7.96
566	11.50	4.64	5.32	5.74	6.27	6.89	7.40
568	11.50	4.49	5.12	5.52	5.86	6.33	6.73
570	10.00	4.44	5.05	5.43	5.75	6.19	6.56
572	10.00	3.94	4.20	4.38	4.58	4.81	5.13
574	10.00	3.91	4.15	4.32	4.49	4.68	4.95
578	7.50	3.90	4.13	4.29	4.46	4.65	4.91
582	7.00	3.89	4.11	4.27	4.43	4.62	4.85
584	6.50	3.89	4.10	4.26	4.42	4.60	4.83
588	6.00	3.87	4.07	4.21	4.35	4.52	4.73
590	6.00	3.79	3.92	4.01	4.10	4.21	4.37
610	8.00	3.68	3.72	3.75	3.78	3.81	3.86
614	10.27	3.66	3.69	3.71	3.74	3.76	3.78
616	9.68	3.66	3.69	3.71	3.73	3.76	3.78
620	7.00	3.64	3.67	3.69	3.70	3.72	3.74
624	6.50	3.63	3.65	3.67	3.68	3.69	3.71
628	6.00	3.62	3.64	3.65	3.66	3.67	3.68
630	6.00	3.62	3.63	3.64	3.65	3.66	3.67
634	8.00	3.61	3.62	3.63	3.64	3.65	3.66
642	8.00	4.03	4.09	4.10	4.24	4.41	4.58
646	6.00	3.69	3.80	3.86	3.94	4.05	4.17
648	6.00	3.63	3.65	3.67	3.67	3.69	3.71
652	8.00	3.61	3.63	3.63	3.64	3.65	3.67
656	7.00	3.61	3.62	3.62	3.63	3.64	3.65
660	4.00	3.60	3.60	3.60	3.6	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)
110	20.00	<b>20.44</b>	<b>20.78</b>	<b>21.02</b>	<b>21.29</b>	<b>21.57</b>	<b>21.88</b>
112	20.00	18.62	18.62	18.63	18.67	18.71	18.75
114	19.00	<b>19.02</b>	<b>19.08</b>	<b>19.13</b>	<b>19.18</b>	<b>19.23</b>	<b>19.29</b>
116	19.00	18.65	18.64	18.66	18.70	18.74	18.78
118	19.00	18.60	18.60	18.61	18.65	18.69	18.73
120	19.00	15.93	17.15	18.32	<b>19.00</b>	<b>19.01</b>	<b>19.02</b>
122	19.00	15.34	16.09	16.36	16.55	16.60	16.65
124	15.00	14.20	<b>15.00</b>	<b>15.02</b>	<b>15.04</b>	<b>15.07</b>	<b>15.10</b>
126	15.00	10.53	10.63	10.63	10.63	10.63	10.68
128	18.00	11.16	11.56	11.80	12.03	12.24	12.45
130	18.00	10.38	10.72	10.91	11.09	11.25	11.40
132	16.00	8.58	8.85	9.00	9.16	9.53	9.94
133	18.63	13.98	14.69	15.14	15.59	16.04	16.49
134	20.00	17.43	17.65	17.77	17.84	17.90	17.95
135	16.00	7.89	8.28	8.63	9.02	9.46	9.90
136	18.00	7.49	8.12	8.51	8.94	9.40	9.84
138	9.00	6.92	7.65	8.06	8.49	8.91	<b>9.30</b>
140	9.00	6.91	7.61	7.99	8.39	8.75	<b>9.07</b>
150	19.70	16.99	<b>19.70</b>	<b>19.71</b>	<b>19.72</b>	<b>19.73</b>	<b>19.75</b>
154	16.30	16.00	<b>16.34</b>	<b>16.37</b>	<b>16.41</b>	<b>16.44</b>	<b>16.48</b>
160	15.50	15.11	15.30	15.31	15.33	15.34	15.33
164	18.00	7.45	7.75	8.02	8.50	8.86	9.17
168	18.00	6.91	7.61	7.98	8.38	8.75	9.07
169	10.00	6.91	7.61	7.98	8.38	8.74	9.06
170	10.00	4.42	4.97	5.43	5.94	6.43	6.90
172	10.00	4.41	4.91	5.31	5.72	6.06	6.37
210	20.50	<b>20.53</b>	<b>20.62</b>	<b>20.68</b>	<b>20.75</b>	<b>20.85</b>	<b>20.95</b>
214	20.00	19.15	19.17	19.19	19.20	19.20	19.20
218	20.00	18.33	19.45	<b>20.00</b>	<b>20.02</b>	<b>20.08</b>	<b>20.17</b>
220	20.00	16.60	16.85	17.73	18.10	18.30	18.49
222	18.00	14.43	16.70	17.73	<b>18.10</b>	<b>18.29</b>	<b>18.49</b>
223	17.90	11.32	12.15	12.64	13.21	13.27	13.36
224	13.00	11.03	11.96	12.47	<b>13.00</b>	<b>13.05</b>	<b>13.12</b>
230	20.00	16.91	18.17	19.01	19.40	19.66	19.98
232	19.15	16.87	18.12	18.96	<b>19.20</b>	<b>19.28</b>	<b>19.38</b>
234	21.17	16.43	17.37	18.08	18.83	19.62	20.39
236	22.00	16.41	17.34	18.05	18.80	19.62	20.40
238	20.00	15.67	16.93	17.65	18.28	18.75	19.18
240	19.80	12.46	13.06	13.37	13.66	13.89	14.13
242	19.00	11.71	12.31	12.40	12.62	12.78	13.12

**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)
244	13.00	9.08	9.39	9.58	9.83	10.03	10.28
246	13.00	11.12	<b>13.00</b>	<b>13.02</b>	<b>13.04</b>	<b>13.06</b>	<b>13.07</b>
248	10.94	8.90	9.26	9.46	9.73	9.96	10.23
250	14.00	8.74	9.12	9.33	9.63	9.88	10.17
252	14.00	8.45	8.82	9.04	9.35	9.61	9.92
254	12.00	10.51	<b>12.01</b>	<b>12.02</b>	<b>12.04</b>	<b>12.06</b>	<b>12.08</b>
256	13.80	7.55	7.88	8.10	8.46	8.80	9.14
258	16.52	7.79	8.17	8.43	8.78	9.13	9.54
260	14.00	11.64	12.21	12.52	12.82	13.06	13.30
262	14.00	8.84	9.46	9.75	9.90	10.50	11.27
264	16.00	8.81	9.43	9.74	9.88	10.49	11.26
266	16.00	7.18	7.76	8.19	8.66	9.14	9.70
268	16.00	7.11	7.69	8.14	8.64	9.13	9.69
270	16.25	7.07	7.61	7.98	8.41	8.82	9.29
272	19.50	<b>19.51</b>	<b>19.53</b>	<b>19.55</b>	<b>19.57</b>	<b>19.60</b>	<b>19.62</b>
274	20.95	15.62	18.52	19.44	<b>20.95</b>	<b>20.96</b>	<b>20.96</b>
276	18.32	14.90	15.51	16.85	<b>18.32</b>	<b>18.32</b>	<b>18.32</b>
278	17.08	13.02	13.50	14.46	15.84	15.98	16.05
280	18.29	11.03	11.50	12.38	13.53	13.78	13.93
282	18.00	5.25	6.11	6.56	7.08	7.49	7.82
286	16.00	5.10	5.98	6.44	6.99	7.40	7.74
288	16.00	4.48	4.93	5.30	5.70	6.02	6.32
290	15.00	4.41	4.88	5.26	5.66	6.00	6.30
294	5.80	4.23	4.68	5.06	5.48	<b>5.82</b>	<b>6.13</b>
296	5.46	4.16	4.49	4.76	5.04	5.32	<b>5.63</b>
298	8.50	4.11	4.41	4.67	4.93	5.19	5.48
310	14.60	<b>14.68</b>	<b>14.75</b>	<b>14.80</b>	<b>14.86</b>	<b>14.92</b>	<b>15.00</b>
312	13.88	11.68	11.68	11.65	11.65	11.66	11.67
316	8.54	7.68	7.99	8.19	8.37	8.42	8.42
318	10.86	7.47	7.74	7.92	8.11	8.16	8.18
320	10.50	7.99	8.70	9.38	10.23	<b>10.50</b>	<b>10.51</b>
322	10.10	7.53	7.94	8.17	8.39	8.46	8.47
324	11.00	7.28	7.64	7.85	8.05	8.11	8.13
326	10.00	4.00	4.26	4.48	4.72	4.98	5.28
330	9.00	3.99	4.25	4.47	4.72	4.98	5.28
332	12.00	3.96	4.21	4.41	4.65	4.91	5.21
340	11.13	5.90	6.54	7.04	7.43	7.71	8.05
342	11.13	5.38	5.53	5.63	6.04	6.96	7.73
344	9.13	3.93	4.16	4.35	4.57	4.82	5.12
348	6.50	3.93	4.16	4.35	4.57	4.82	5.12

**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)
356	13.86	6.86	7.30	7.64	8.11	8.74	9.67
358	11.50	6.63	6.85	7.01	7.17	7.35	7.56
360	10.55	6.76	7.16	7.49	7.93	8.66	9.39
362	8.60	6.63	6.85	7.01	7.17	7.35	7.56
364	8.00	6.63	6.85	7.01	7.17	7.34	7.56
366	8.00	4.21	4.66	5.01	5.62	6.51	7.11
368	8.10	3.90	4.12	4.29	4.50	4.73	5.02
372	6.50	3.89	4.10	4.26	4.45	4.67	4.94
376	6.50	3.89	4.09	4.24	4.43	4.64	4.90
378	12.13	5.74	6.82	7.46	7.79	8.13	8.64
380	12.13	4.81	4.97	5.32	5.89	7.35	8.29
382	10.43	3.91	4.12	4.30	4.52	4.76	5.05
384	10.74	3.89	4.10	4.27	4.48	4.70	4.98
386	11.13	3.89	4.10	4.27	4.47	4.69	4.97
410	16.00	14.01	15.09	15.96	<b>16.08</b>	<b>16.18</b>	<b>16.28</b>
412	16.00	13.80	14.77	15.56	15.89	<b>16.00</b>	<b>16.03</b>
414	18.00	12.29	13.93	14.69	15.46	16.30	16.99
416	19.00	12.27	13.92	14.68	15.45	16.30	17.00
418	20.00	12.01	13.35	14.00	14.64	15.33	15.89
424	19.00	14.23	15.36	16.16	17.08	18.05	18.73
426	17.00	14.08	15.01	15.53	16.17	16.78	<b>17.02</b>
430	20.00	11.76	12.72	13.17	13.57	13.97	14.24
434	16.00	<b>16.00</b>	<b>16.03</b>	<b>16.06</b>	<b>16.09</b>	<b>16.13</b>	<b>16.17</b>
436	16.00	11.86	12.54	12.85	13.13	13.44	13.70
440	16.50	11.14	11.99	12.40	12.78	13.17	13.49
444	14.00	7.51	8.63	9.23	9.78	10.88	11.58
450	8.00	5.45	6.37	6.86	7.33	7.71	<b>8.01</b>
452	12.00	4.42	4.99	5.37	5.78	6.34	6.82
456	6.50	4.27	4.75	5.09	5.48	6.07	<b>6.52</b>
458	6.50	4.15	4.54	4.81	5.10	5.49	5.90
464	8.00	4.08	4.44	4.70	4.99	5.35	5.76
468	6.00	3.99	4.28	4.48	4.71	4.96	5.30
502	13.45	9.70	10.80	11.50	12.21	12.91	<b>13.45</b>
504	14.45	10.38	11.66	12.48	13.31	14.14	<b>14.48</b>
506	13.45	9.60	10.77	11.49	12.20	12.91	13.44
508	13.00	<b>13.04</b>	<b>13.10</b>	<b>13.14</b>	<b>13.19</b>	<b>13.25</b>	<b>13.31</b>
510	14.57	5.51	6.48	7.28	8.31	9.27	10.36
512	11.09	5.32	6.29	7.16	8.17	9.19	10.24
514	10.68	5.28	6.26	7.13	8.14	9.18	10.24
520	18.00	15.38	16.61	17.33	<b>18.00</b>	<b>18.08</b>	<b>18.17</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)
522	16.75	14.55	15.27	15.72	16.15	16.20	16.26
524	18.88	14.34	14.92	15.31	15.67	15.72	15.77
526	16.72	14.06	14.52	14.77	15.05	15.09	15.13
528	20.94	13.70	14.09	14.27	14.44	14.46	14.48
530	14.87	12.37	12.61	12.71	12.81	12.82	12.83
532	16.39	12.15	12.37	12.47	12.55	12.56	12.57
534	14.33	10.74	10.86	10.90	10.94	10.98	11.03
538	12.80	8.60	9.08	9.36	9.63	9.89	10.15
542	12.80	6.69	7.34	7.82	8.37	8.99	9.66
546	14.45	5.12	6.03	6.68	7.44	8.39	9.19
548	11.72	5.00	5.90	6.56	7.33	8.25	8.96
556	10.19	6.11	7.40	8.12	8.87	9.94	<b>10.23</b>
560	13.59	4.81	5.63	6.13	6.78	7.55	8.05
566	11.50	4.70	5.40	5.81	6.39	7.03	7.50
568	11.50	4.55	5.20	5.59	5.95	6.45	6.83
570	10.00	4.51	5.13	5.50	5.85	6.31	6.66
572	10.00	4.01	4.31	4.53	4.79	5.04	5.47
574	10.00	3.99	4.27	4.47	4.69	4.93	5.31
578	7.50	3.98	4.26	4.46	4.67	4.92	5.28
582	7.00	3.97	4.25	4.44	4.66	4.89	5.23
584	6.50	3.97	4.24	4.43	4.64	4.87	5.21
588	6.00	3.94	4.20	4.37	4.56	4.78	5.08
590	6.00	3.85	4.03	4.15	4.29	4.44	4.65
610	8.00	3.69	3.74	3.78	3.83	3.88	3.95
614	10.27	3.67	3.70	3.73	3.75	3.78	3.83
616	9.68	3.67	3.70	3.72	3.75	3.78	3.82
620	7.00	3.65	3.68	3.69	3.71	3.73	3.75
624	6.50	3.64	3.66	3.67	3.69	3.70	3.72
628	6.00	3.63	3.64	3.65	3.66	3.68	3.69
630	6.00	3.62	3.64	3.65	3.66	3.67	3.68
634	8.00	3.62	3.63	3.64	3.64	3.65	3.66
642	8.00	4.03	4.10	4.12	4.26	4.43	4.61
646	6.00	3.70	3.80	3.87	3.95	4.06	4.19
648	6.00	3.63	3.66	3.67	3.68	3.69	3.72
652	8.00	3.62	3.63	3.64	3.65	3.66	3.67
656	7.00	3.61	3.62	3.63	3.63	3.64	3.65
660	4.00	3.60	3.60	3.60	3.60	3.60	3.60