

Feature	A	B	C	C-Mod	D	P	Q	Q2
Midvale/Univ Connect		✓			✓	✓	✓	✓
Shorewood Cross Connect	✓	✓	✓		✓	✓	✓	✓
96" to Farley	✓	✓	✓	✓	✓			
96" from Farley to Shorewood			✓	✓	✓			
0.4-ac in SE plus lake tunnel						✓		
0.4-ac in both SE and NW plus lake tunnel						✓		
0.4-ac storage in NW plus 100k gpm pump							✓	
40 ac-ft storage in NW plus 100k gpm pump								✓
0.4-ac storage in SE							✓	✓

\*All Scenarios include improving hydraulic connection at existing 96" - box storm sewer junction

	Alt A						Alt B						Alt C						
	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	
Shorewood Hills Blvd.	Surface	879.9	881.8	882.4	883.1	883.7	884.3	881.1	881.8	882.4	883.1	883.6	884.3	879.5	880.4	881.9	882.7	883.3	883.9
	Storm	879.4	881.3	881.8	882.4	883.0	883.6	880.8	881.7	882.1	882.8	883.3	883.8	875.4	879.9	881.2	882.0	882.6	883.2
	Surface Minus Storm HGL	0.49	0.57	0.61	0.64	0.65	0.66	0.27	0.16	0.28	0.26	0.33	0.40	4.08	0.51	0.67	0.71	0.70	0.71
	Alt C-Mod						Alt D						Existing						
	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	
	Surface	879.4	880.7	881.9	882.7	883.4	884.0	879.5	880.1	881.9	882.7	883.4	884.0	881.1	881.9	882.5	883.2	883.8	884.3
Storm	873.0	880.5	881.6	882.4	883.0	883.7	876.8	879.8	881.3	882.1	882.7	883.3	881.1	882.1	882.7	883.3	883.9	884.3	
Surface Minus Storm HGL	6.40	0.28	0.30	0.31	0.33	0.34	2.76	0.29	0.57	0.63	0.63	0.66	0.06	-0.14	-0.15	-0.13	-0.08	0.05	
Alt C-Mod Minus Alt C (Surface)	-0.2	0.3	0.0	0.0	0.0	0.1													
Alt C-Mod Minus Existing (Surface)	-1.8	-1.2	-0.6	-0.4	-0.4	-0.3													

	Alt A						Alt B						Alt C						
	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	
Midvale Blvd.	Surface	886.5	887.3	887.7	888.3	888.7	889.2	885.4	886.8	887.4	888.0	888.5	889.0	886.4	887.2	887.7	888.2	888.7	889.1
	Storm	886.3	887.2	887.7	888.2	888.6	889.0	885.3	885.9	886.5	886.9	887.3	887.8	886.0	887.0	887.6	888.1	888.5	888.9
	Surface Minus Storm HGL	0.15	0.04	0.08	0.13	0.17	0.20	0.14	0.97	0.95	1.06	1.14	1.19	0.36	0.18	0.11	0.14	0.18	0.22
	Alt C-Mod						Alt D						Existing						
	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	
	Surface	886.4	887.2	887.7	888.2	888.7	889.2	884.6	886.7	887.4	888.0	888.5	889.0	886.4	887.2	887.7	888.2	888.8	889.2
Storm	886.1	887.0	887.6	888.1	888.5	888.9	883.0	885.3	886.2	886.8	887.2	887.7	886.5	887.3	887.7	888.2	888.7	889.0	
Surface Minus Storm HGL	0.31	0.21	0.13	0.14	0.19	0.24	1.59	1.36	1.17	1.18	1.23	1.27	-0.09	-0.08	-0.01	0.03	0.10	0.11	
Alt C-Mod Minus Alt C (Surface)	0.0	0.0	0.0	0.0	0.0	0.0													
Alt C-Mod Minus Existing (Surface)	0.0	0.0	0.0	0.0	-0.1	0.0													

	Alt A						Alt B						Alt C						
	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	
Farley / U-Bay Ave.	Surface	876.1	877.0	878.4	879.8	880.7	881.5	876.1	877.2	878.6	880.1	880.7	881.5	876.1	876.4	877.8	879.6	880.6	881.3
	Alt Minus Existing	-0.35	-1.21	-0.84	-0.47	-0.43	-0.26	-0.34	-0.98	-0.66	-0.22	-0.41	-0.31	-0.34	-1.81	-1.38	-0.64	-0.54	-0.43
	Alt C-Mod						Alt D						Existing						
	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	
	Surface	876.1	876.4	877.9	879.7	880.5	881.5	876.1	876.5	878.1	879.7	880.6	881.3	876.4	878.2	879.2	880.3	881.1	881.8
Alt Minus Existing	-0.35	-1.81	-1.35	-0.63	-0.57	-0.31	-0.34	-1.75	-1.09	-0.55	-0.49	-0.43							

	Alt A						Alt B						Alt C						
	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	
Highland Ave.	Surface	872.7	872.8	873.0	874.3	875.2	876.1	872.7	872.8	873.1	874.5	875.2	876.1	872.7	872.8	872.9	874.3	875.2	876.1
	Alt Minus Existing	0.00	-0.08	-0.71	-0.55	-0.50	-0.49	0.00	-0.08	-0.60	-0.28	-0.48	-0.52	0.00	-0.08	-0.78	-0.55	-0.49	-0.54
	Alt C-Mod						Alt D						Existing						
	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	
	Surface	872.7	872.8	872.9	874.3	875.2	876.2	872.7	872.8	872.9	874.4	875.3	876.1	872.7	872.9	873.7	874.8	875.7	876.6
Alt Minus Existing	0.00	-0.08	-0.78	-0.53	-0.53	-0.44	0.00	-0.08	-0.78	-0.45	-0.45	-0.52							

	Alt P						Alt Q - 100k GPM Lift Station with 0.4-ac Wet Wells						Alt Q2 - 100k GPM Lift Station with Increased NE Wet Well						
	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	002-Yr	005-Yr	010-Yr	025-Yr	050-Yr	100-Yr	
Lift Station Alternatives	Midvale	884.6	885.2	885.7	886.2	886.7	887.0	884.6	885.9	887.0	887.8	888.4	888.9			885.7			
	Shorewood Hills	879.9	880.0	880.0	881.2	881.8	882.1	879.9	881.3	882.1	882.9	883.6	884.1			881.2			
	compared to Alt P						0.0	1.4	2.0	1.7	1.8	2.0			1.2	Compared to Alt P			
	compared to Existing						-1.2	-0.8	-0.6	-0.4	-0.3	-0.2			-0.8	Compared to Alt Q			
															-1.4	Compared to existing			

Legend

Elevations @ Shorewood & Midvale	Difference B/W Surface-Storm	Difference B/W Alt-Existing @ Farley & Highland
All Commercial Buildings Above Flood Elevation	Greater than 24" (Moderate Inlet Capacity Avail)	Less than Existing
Only Whole Foods Below Flood Elevation	12" to 24" (Modest Inlet Capacity Avail)	No Change
More than Whole Foods Below Flood Elevation	Less than 12" (Minimal Inlet Capacity Avail)	Higher than Existing