

**Table 5.2: Water Surface Elevation Comparisons - Salisbury Park North All Phases Revised per 12-03-2024 Grading**  
 ICON Engineering Inc.

Location Description	Effective Cross Section	Corrected Effective Cross Section	Pre-Project Conditions Cross Section	Post-Project Conditions Cross Section	Effective Conditions <sup>1</sup>		Duplicate Effective Conditions <sup>2</sup>			Corrected Effective Conditions <sup>3</sup>			Pre-Project Conditions <sup>4</sup>				Post-Project Conditions <sup>5</sup> 12-03-2024 Phase 1				Post-Project Conditions <sup>6</sup> 12-03-2024 Phase 1 & 2				Post-Project Conditions <sup>7</sup> 12-03-2024 Phase 1, 2 & 3				Post-Project Conditions <sup>8</sup> 12-03-2024 Phase 1, 2, 3 & 4							
					Discharge (cfs)	WSEL (NGVD 29)	Discharge (cfs)	WSEL (NGVD 29)	Δ WSEL vs. Effective	Discharge (cfs)	WSEL (NAVD 88)	Δ WSEL vs. Duplicate Effective	Discharge (cfs)	WSEL (NAVD 88)	Δ WSEL vs. Duplicate Effective	Discharge (cfs)	WSEL (NAVD 88)	Δ WSEL vs. Duplicate Effective	Δ WSEL vs. Pre-Project	Discharge (cfs)	WSEL (NAVD 88)	Δ WSEL vs. Corrected Effective	Δ WSEL vs. Pre-Project	Discharge (cfs)	WSEL (NAVD 88)	Δ WSEL vs. Corrected Effective	Δ WSEL vs. Pre-Project	Discharge (cfs)	WSEL (NAVD 88)	Δ WSEL vs. Corrected Effective	Δ WSEL vs. Pre-Project	Discharge (cfs)	WSEL (NAVD 88)	Δ WSEL vs. Corrected Effective	Δ WSEL vs. Pre-Project	
FHAD XS 128 FEMA lettered section AF	137545.3	137545.3	137545.3	137545.3	36171	5828.68	36171	5828.67	-0.01	36171	5828.67	0.00	36171	5828.67	0.00	0.00	36171	5828.67	0.00	0.00	36171	5828.67	0.00	0.00	36171	5828.67	0.00	0.00	36171	5828.67	0.00	0.00	36171	5828.67	0.00	0.00
FHAD XS 129	138067.2	138067.2	138067.2	138067.2	36171	5829.69	36171	5829.68	-0.01	36171	5829.49	-0.19	36171	5829.70	<b>0.21</b>	<b>0.21</b>	36171	5829.70	<b>0.21</b>	0.00	36171	5829.70	<b>0.21</b>	0.00	36171	5829.70	<b>0.21</b>	0.00	36171	5829.70	<b>0.21</b>	0.00	36171	5829.70	<b>0.21</b>	0.00
FHAD XS 129.6	138361.5	138360.5	138360.5	138360.5	--	5830.70	--	5830.69	0.00	35920	5830.52	-0.17	35920	5830.68	<b>0.16</b>	<b>0.16</b>	35920	5830.68	<b>0.16</b>	0.00	35920	5830.68	<b>0.16</b>	0.00	35920	5830.68	<b>0.16</b>	0.00	35920	5830.68	<b>0.16</b>	0.00	35920	5830.68	<b>0.16</b>	0.00
FHAD XS 130	138526.8	138534.2	138534.2	138534.2	35920	5831.26	35920	5831.26	0.00	--	5832.01	<b>0.75</b>	--	5832.07	<b>0.06</b>	<b>0.06</b>	--	5832.07	<b>0.06</b>	0.00	--	5832.07	<b>0.06</b>	0.00	--	5832.07	<b>0.06</b>	0.00	--	5832.07	<b>0.06</b>	0.00	--	5832.07	<b>0.06</b>	0.00
FHAD XS 130.4	138672.8	138658.4	138658.4	138658.4	--	5832.41	--	5832.42	0.00	35920	5833.08	<b>0.66</b>	35920	5833.06	<b>0.64</b>	-0.02	35920	5833.06	-0.02	0.00	35920	5833.06	-0.02	0.00	35920	5833.06	-0.02	0.00	35920	5833.06	-0.02	0.00	35920	5833.06	-0.02	0.00
FHAD XS 131 FEMA lettered section AG	138860	138889.1	138887.3	138887.3	35920	5833.89	35920	5833.90	0.01	35920	5834.83	<b>0.93</b>	35920	5833.95	<b>0.05</b>	-0.88	35920	5833.95	-0.88	0.00	35920	5833.95	-0.88	0.00	35920	5833.95	-0.88	0.00	35920	5833.95	-0.88	0.00	35920	5833.95	-0.88	0.00
FHAD XS 131.3	138977.5	138996.1	139005.3	139005.3	--	5834.95	--	5834.96	0.00	35669	5837.00	<b>2.04</b>	35669	5835.62	<b>0.66</b>	-1.38	35669	5835.62	-1.38	0.00	35669	5835.62	-1.38	0.00	35669	5835.62	-1.38	0.00	35669	5835.62	-1.38	0.00	35669	5835.62	-1.38	0.00
	139061	139085.7	139079.3	139079.3	35669	5835.71	35669	5835.71	0.00	--	5837.78	<b>2.07</b>	--	5836.64	<b>0.93</b>	-1.14	--	5836.64	-1.14	0.00	--	5836.64	-1.14	0.00	--	5836.64	-1.14	0.00	--	5836.64	-1.14	0.00	--	5836.64	-1.14	0.00
FHAD XS 131.7	139166.3	139174	139186.6	139186.6	--	5835.97	--	5835.97	0.00	35669	5838.54	<b>2.57</b>	35669	5838.11	<b>2.14</b>	-0.43	35669	5838.11	-0.43	0.00	35669	5838.11	-0.43	0.00	35669	5838.11	-0.43	0.00	35669	5838.11	-0.43	0.00	35669	5838.11	-0.43	0.00
FHAD XS 132	139262.6	139302.6	139296.2	139296.2	35669	5836.21	35669	5836.21	0.00	--	5838.79	<b>2.58</b>	--	5838.43	<b>2.22</b>	-0.37	--	5838.43	-0.37	0.00	--	5838.43	-0.37	0.00	--	5838.43	-0.37	0.00	--	5838.43	-0.37	0.00	--	5838.43	-0.37	0.00
FHAD XS 132.1	139299.3	139341.3	139338.2	139338.2	--	5836.26	--	5836.26	0.00	35669	5838.87	<b>2.61</b>	35669	5838.55	<b>2.29</b>	-0.32	35669	5838.55	-0.32	0.00	35669	5838.55	-0.32	0.00	35669	5838.55	-0.32	0.00	35669	5838.55	-0.32	0.00	35669	5838.55	-0.32	0.00
	139419.6	139470.2	139457.6	139457.6	--	5836.43	--	5836.43	0.00	35669	5838.90	<b>2.47</b>	--	5838.50	<b>2.07</b>	-0.40	--	5838.50	-0.40	0.00	--	5838.50	-0.40	0.00	--	5838.50	-0.40	0.00	--	5838.50	-0.40	0.00	--	5838.50	-0.40	0.00
FHAD XS 132.9 Proposed FEMA section AH	139471.3	139530.7	139505.2	139505.2	--	5836.50	--	5836.50	0.00	--	5838.95	<b>2.45</b>	--	5838.48	<b>1.98</b>	-0.47	35669	5838.48	-0.47	0.00	35669	5838.48	-0.47	0.00	35669	5838.48	-0.47	0.00	35669	5838.48	-0.47	0.00	35669	5838.48	-0.47	0.00
FHAD XS 132 FEMA lettered section AH	139529.7	139602.4	139567	139567	35669	5836.58	35669	5836.58	0.00	--	5839.01	<b>2.43</b>	--	5838.75	<b>2.17</b>	-0.26	--	5838.75	-0.26	0.00	--	5838.75	-0.26	0.00	--	5838.75	-0.26	0.00	--	5838.75	-0.26	0.00	--	5838.75	-0.26	0.00
FHAD XS 133.1	139585.3	139659.3	139624.0	139624.0	--	5836.89	--	5836.89	0.00	--	5839.05	<b>2.16</b>	35417	5838.99	<b>2.10</b>	-0.06	35417	5838.99	-0.06	0.00	35417	5838.99	-0.06	0.00	35417	5838.99	-0.06	0.00	35417	5838.99	-0.06	0.00	35417	5838.99	-0.06	0.00
FHAD XS 133.3	139755.8	139847.6	139794.7	139794.7	--	5837.85	--	5837.84	-0.01	35669	5839.20	<b>1.36</b>	35417	5839.63	<b>1.79</b>	<b>0.43</b>	35417	5839.63	<b>0.43</b>	0.00	35417	5839.63	<b>0.43</b>	0.00	35417	5839.63	<b>0.43</b>	0.00	35417	5839.63	<b>0.43</b>	0.00	35417	5839.63	<b>0.43</b>	0.00
	139822	139979.9	139942.3	139942.3	35417	5838.22	35417	5838.21	-0.01	--	5839.70	<b>1.49</b>	--	5839.81	<b>1.60</b>	<b>0.11</b>	--	5839.81	<b>0.11</b>	0.00	--	5839.81	<b>0.11</b>	0.00	--	5839.81	<b>0.11</b>	0.00	--	5839.81	<b>0.11</b>	0.00	--	5839.81	<b>0.11</b>	0.00
	139908.4	140071.7	140039.6	140039.6	--	5838.64	--	5838.63	-0.01	35417	5840.05	<b>1.42</b>	--	5839.94	<b>1.31</b>	-0.11	--	5839.94	-0.11	0.00	--	5839.94	-0.11	0.00	--	5839.94	-0.11	0.00	--	5839.94	-0.11	0.00	--	5839.94	-0.11	0.00
FHAD XS 134	140116.2	140173.6	140155.2	140155.1	35417	5839.64	35417	5839.64	0.00	--	5840.20	<b>0.56</b>	35417	5840.08	<b>0.44</b>	-0.12	35417	5840.08	-0.12	0.00	35417	5840.08	-0.12	0.00	35417	5840.08	-0.12	0.00	35417	5840.08	-0.12	0.00	35417	5840.08	-0.12	0.00
	140186	140276.2	140233.0	140233.0	--	5840.02	--	5840.02	0.00	35417	5840.35	<b>0.33</b>	--	5840.30	<b>0.29</b>	-0.05	--	5840.30	-0.04	0.00	--	5840.30	-0.04	0.00	--	5840.30	-0.04	0.00	--	5840.30	-0.04	0.00	--	5840.30	-0.04	0.00
FHAD XS 134.3	140354	140479.6	140397.3	140397.3	35417	5840.92	35417	5840.92	0.00	--	5841.26	<b>0.34</b>	35417	5840.77	<b>0.15</b>	-0.49	35417	5840.78	-0.48	<b>0.01</b>	35417	5840.78	-0.48	<b>0.01</b>	35417	5840.78	-0.48	<b>0.01</b>	35417	5840.78	-0.48	<b>0.01</b>	35417	5840.78	-0.48	<b>0.01</b>
FHAD XS 134.5	140479.6	140620.5	140533.5	140533.5	--	5841.44	--	5841.44	0.00	35417	5841.89	<b>0.45</b>	35417	5841.24	-0.20	-0.65	35417	5841.23	-0.66	-0.01	35417	5841.23	-0.66	-0.01	35417	5841.23	-0.66	-0.01	35417	5841.23	-0.66	-0.01	35417	5841.23	-0.66	-0.01
	140593	140758.6	140658	140658	35417	5841.90	35417	5841.90	0.00	--	5842.58	<b>0.68</b>	--	5841.57	-0.33	-1.01	--	5841.56	-1.02	-0.01	--	5841.56	-1.02	-0.01	--	5841.56	-1.02	-0.01	--	5841.56	-1.02	-0.01	--	5841.56	-1.02	-0.01
FHAD XS 135 FEMA lettered section AI	140831.7	140947.2	140857.7	140857.7	35417	5842.53	35417	5842.53	0.00	--	5843.53	<b>1.00</b>	35417	5842.09	-0.44	-1.44	35417	5842.09	-1.44	0.00	35417	5842.08	-1.45	-0.01	35417	5842.09	-1.44	0.00	35417	5842.09	-1.44	0.00	35417	5842.09	-1.44	0.00
	140896.5	141016	140918.3	140918.3	--	5842.71	--	5842.71	0.00	35417	5843.87	<b>1.16</b>	--	5842.32	-0.38	-1.55	--	5842.32	-1.55	0.00	--	5842.32	-1.55	-0.01	35417	5842.33	-1.54	<b>0.00</b>	35417	5842.33	-1.54	<b>0.00</b>	35417	5842.33	-1.54	<b>0.00</b>
FHAD XS 135.3	141091.3	141263.3	141128.6	141128.6	--	5843.24	--	5843.24	0.00	--	5844.37	<b>1.13</b>	35166	5843.14	-0.10	-1.23	35166	5843.12	-1.25	-0.02	35166	5843.14	-1.23	<b>0.01</b>	35166	5843.15	-1.22	<b>0.01</b>	35166	5843.15	-1.22	<b>0.01</b>	35166	5843.15	-1.22	<b>0.01</b>
FHAD XS 135.7	141409.8	141594.8	141463.7	141463.7	--	5844.11	--	5844.11	0.00	--	5845.04	<b>0.94</b>	35166	5844.17	<b>0.06</b>	-0.87	35166	5844.19	-0.85	<b>0.02</b>	35166	5844.19	-0.85	<b>0.02</b>	35166	5844.19	-0.85	<b>0.02</b>	35166	5844.19	-0.85	<b>0.02</b>	35166	5844.19	-0.85	<b>0.02</b>
FHAD XS 136	141564.8	141752.4	141620.7	14162																																