

Exhibit 2.2 Water Quality

5.0 Surface Water Management Design Parameters

SMA ID	WQ Volume Required (ac-ft)	WQ Volume Provided (ac-ft)	Overflow Elevation (ft)	Maximum Discharge ¹ 10-year/72-hour (cfs)	Receiving Node(s) ^{2,3}
SMA-1	19.25	24.65	54.90	117.14	W-10, WPA-006, WPA001, LK TOHO
SMA-2				14.31	
SMA-3				7.65	
SMA-4A	11.03	11.25	59.50	9.12	SMA-6
SMA-4B				4.61	
SMA-5				35.82	
SMA-6	4.55	5.34	58.80	57.02	W-11, GBS-001
SMA-8	15.97	16.09	62.20	23.37	W-4, GBS-004
SMA-9				7.30	
SMA-10				76.67	
SMA-12	13.12	13.47	59.40	189.10	SMA-1
SMA-13	12.95	13.37	62.60	136.32	SMA-12
SMA-14	7.03	7.51	63.50	27.13	SMA-13
SMA-15	12.70	13.06	64.10	41.90	SMA-13
SMA-16				6.66	

Note: All elevations are given in NAVD

¹See Post-Development ICPR Nodal Maximum Conditions (Appendix C.2)

²W = Wetland, WPA = WPA Canal, GBS = Gator Bay Slough, LK TOHO = Lake Tohopekaliga

³WPA Canal and Gator Bay Slough ultimately discharge into Lake Tohopekaliga

Design Storm Stages

SMA ID	Control Elevation (ft)	10yr/72hr Stage (ft)	Proposed Min. Rd. Crown ¹ (ft)	100yr/72hr Stage (ft)	Proposed Min. FFE ² (ft)
SMA-1	54.25	56.81	56.81	57.73	58.81
SMA-2	54.25	56.84	56.84	57.77	58.84
SMA-3	54.25	56.83	56.83	57.78	58.83
SMA-4A	58.00	60.86	60.85	61.89	62.85
SMA-4B	58.00	60.90	60.89	61.95	62.89
SMA-5	58.00	60.82	60.82	61.85	62.82
SMA-6	57.50	60.12	60.13	60.73	62.13
POND-7 ³	58.00	59.13	60.00	59.77	62.00
SMA-8	60.50	63.70	63.70	65.02	65.70
SMA-9	60.50	63.49	63.49	64.46	65.49
SMA-10	60.50	63.16	63.16	63.73	65.16
SMA-12	58.00	60.99	60.99	61.80	62.99
SMA-13	61.00	63.69	63.69	64.69	65.69
SMA-14	62.00	64.71	64.71	65.89	66.71
SMA-15	62.50	65.10	65.10	66.37	67.10
SMA-16	62.50	65.26	65.26	66.54	67.26

Note: All elevations are given in NAVD

¹Proposed minimum road crown elevations are set at the greater of 2' above the Control Elevation or the 10yr/72hr maximum flood stage (per SFMWD criteria).

²Proposed minimum finished floor elevations have been set at the greater of 2' above the proposed road crown (per Osceola County criteria) or the 100yr/72hr maximum flood stage (per SFWMD criteria).

³No treatment or attenuation proposed in POND-7

Control Structures

Control Structure	Orifice/Weir			Drop Inlet			Pipe		
	Type	Invert El. (ft)	Dimension	Type	Grate El. (ft)	Dimension	Type	Dia.	Length (ft)
CS-1A	R	54.25	3"x2'-7"	R	56.25	3'x8'-9"	C	60"	49
	R	54.90	(2) 2'x1' (1) 6'x1'						
CS-1B	R	54.90	2'x6"	R	56.25	3'-1"x4'-1"	C	36"	83
CS-5	C	58.00	6"	R	60.50	3'x8'-9"	C	48"	552
	R	59.50	(2) 2'x10" (1) 7'x10"						
CS-6A	C	57.50	5"	R	60.00	3'x6'-7"	C	48"	267
	R	58.80	(2) 2'x1' (1) 6'x1'						
CS-6B				R	58.80	2'x3'-1"	C	18"	230
CS-W11				R	55.70	3'x4'-6"	C	24"	87
CS-8				R	62.20	2'x3'-1"	C	24"	1734
CS-10A	C	60.50	(2) 5"	R	63.5	3'x8'-9"	C	42"	575
	R	62.20	(2) 3'x1'-2" (1) 8'x1'-2"						
CS-10B				R	62.50	3'x6'-7"	C	42"	581
CS-12A	C	58.00	(2) 5"	R	60.50	3'x8'-9"	C	48"	272
	R	59.40	(2) 2'x9" (1) 6'x9"						
CS-12B				R	59.50	3'x8'-9"	C	48"	274
CS-13A	C	61.00	(2) 4.5"	R	62.60	3'x6'-7"	C	42"	160
CS-13B				R	62.60	3'x6'-7"	C	42"	160
CS-14	C	62.00	5"	R	64.50	3'x8'-9"	C	42"	618
	R	63.50	(2) 2'x10" (1) 5'x10"						
CS-15	C	62.50	6"	R	64.10	3'x8'-9"	C	48"	1552

Note: All elevations are given in NAVD

Types:

C = Circular, R = Rectangular

Design Storm Event	10-year/72-hour	10-year/72-hour
Tailwater Node	Pre-Development Max Inflow	Post Development Max Inflow
GBS-004	173.94 cfs	62.16 cfs
<i>GBS-001</i>	80.34 cfs	<i>56.55 cfs</i>
WPA-006	12.20 cfs	12.46 cfs
<i>WPA-001</i>	87.57 cfs	<i>93.84 cfs</i>
<i>LK TOHO</i>	109.40 cfs	<i>86.01 cfs</i>
Total	463.45 cfs	311.02 cfs
Total Drainage Area¹	740.11 ac	740.11 ac
Pro Rata Discharge	0.63 cfs/ac	0.42 cfs/ac

¹Total Drainage Area includes all modeled basin areas, including on-site and related off-site basin areas (See Narrative C.3.iii.)