

Table 4 Responsible Tracts for Facility Improvements

FACILITY	TRACT RESPONSIBLE FOR FUTURE IMPROVEMENTS	FLOW CHARACTERISTICS (CFS)	FUTURE IMPROVEMENTS
POND D	TRACT 1, UNIT 2	Q _{IN} : 146.48 CFS Q _{BP} : 13.77 CFS Q _{Pin} : 132.71 CFS Q _{Pout} : 5.93 CFS Q _O : 19.70 CFS	Inlet And Outlet Improvements And Overflow Inlets
POND E	TRACT 9, UNIT 3A	Q _{IN} : 210.29 CFS Q _{BP} : 15.50 CFS Q _{Pin} : 194.79 CFS Q _{Pout} : 6.80 CFS Q _O : 22.30 CFS	Inlet And Outlet Improvements And Overflow Inlets
POND F	TRACT 9, UNIT 3A or TRACT 2, UNIT 2 or TRACT 3, UNIT 2*	Q _{IN} : 261.94 CFS Q _{BP} : 6.20 CFS Q _{Pin} : 255.74 CFS Q _{Pout} : 17.66 CFS Q _O : 23.86 CFS	Inlet And Outlet Improvements And Overflow Inlets
POND G	TRACT 9, UNIT 3A or TRACT 2, UNIT 2 or TRACT 3, UNIT 2*	Q _{IN} : 111.29 CFS Q _{BP} : 17.61 CFS Q _{Pin} : 93.68 CFS Q _{Pout} : 7.00 CFS Q _O : 24.61 CFS	Inlet And Outlet Improvements And Overflow Inlets
POND H	TRACT 8, UNIT 2	Q _{IN} : 110.67 CFS Q _{BP} : 21.60 CFS Q _{Pin} : 89.07 CFS Q _{Pout} : 5.20 CFS Q _O : 26.80 CFS	Inlet And Outlet Improvements And Overflow Inlets
POND J	TRACTS 1-4, UNIT 4	Q _{IN} : 167.52 CFS Q _{BP} : 26.34 CFS Q _{Pin} : 141.18 CFS Q _{Pout} : 6.05 CFS Q _O : 32.39 CFS	Inlet And Outlet Improvements And Overflow Inlets
ANALYSIS POINT J	TRACT 3, UNIT 2	Q _O : 32.39 CFS	Orifice Plate
POND K	TRACTS 1-4, UNIT 4	Q _{IN} : 240.23 CFS Q _{BP} : 44.91 CFS Q _{Pin} : 195.32 CFS Q _{Pout} : 15.81 CFS Q _O : 60.72 CFS	Inlet And Outlet Improvements And Overflow Inlets

Q_{IN}: System Inflow

Q_{BP}: Bypass at Pond Bottom Elevation

Q_{Pin}: Pond Inflow (Surge) Rate (Q_{IN} - Q_{BP})

Q_{Pout}: Pond discharge (Routed Pond Surge Inflow)

Q_O: Orifice Controlled Discharge & Overflow Capacity (Q_{BP} - Q_{Pout})

* The first Tract developed will be responsible for the improvements to the pond.