

	XPSWMM Pond Output Summary													10_97		
Pond	Design	100 Yr-24	100 Yr-24	Elevation	Elevation	Elevation	100 Yr-	Pond	Depth of	100 Yr-	Peak	Outlow	100 Yr-24	Peak	Peak	
	Storage At	Hr Peak	Hr Peak	of Pond	of	of Top of	24Hr	Depth	Water	24Hr	Outflow	Restricted by	Hr Peak	Water	Outflow	
	Emergency	Storage	Storage	Bottom	Emergency	Pond	Peak		From	Freeboard		Downstream	Storage	Surface	[a]	
	Spillway			(NAVD	Spillway	(NAVD	Water		Pond	to		Orifice	[a]	Elevation		
				1929)	(NAVD	1929)	Surface		Bottom	Emergency				[a]		
					1929)		Elevation			Spillway						
	ac-ft	ft^3	ac-ft	ft	ft	ft	ft	ft	ft	ft	cfs		ac-ft	ft	cfs	
Pond D	6.24	122165	2.80	5430.00	5436.85	5438.00	5433.90	8.00	3.9	2.9	15.7	Y	4.04	5435.03	19.7	
POND F	11.76	344445	7.91	5415.08	5424.33	5425.00	5422.14	9.92	7.1	2.2	14.8	Y	10.4	5423.56	23.8	
POND F5	1.40	22189	0.51	5421.00	5426.00	5427.00	5423.75	6.00	2.7	2.3	21.8	Y	1.38	5425.97	19.8	
POND G	7.21	81108	1.86	5415.67	5422.50	5424.00	5419.05	8.33	3.4	3.4	17.6	Y	2.96	5419.84	24.6	
POND H	3.02	134124	3.08	5418.65	5422.00	5423.00	5422.00	4.35	3.4	0.0	23.4	Y	2.87	5421.89	26.8	
POND J	7.94	172482	3.960	5414.00	5417.00	5418.00	5416.08	4.00	2.1	0.9	26.7	Y	3.77	5415.66	32.4	
POND K	14.84	357301	8.20	5404.85	5409.00	5410.00	5407.78	5.15	2.9	1.2	60.1	Y	8.39	5407.79	60.7	

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					KPSWMM Po								AHYN	-		4	
Pond	Design	100 Yr-24	100 Yr-24	Elevation	Elevation	Elevation	100 Yr-	Pond	Depth of	100 Yr-	Peak	Outlow	100 Yr-24	Peak	Peak	Future Improvements	
	Capacity At		Hr Peak	of Pond	of	of Top of	24Hr	Depth	Water	24Hr	Outflow	Restricted by	Hr Peak	Water	Outflow		
	Emergency	Storage	Storage	Bottom	Emergency	Pond	Peak		From	Freeboard		Downstream	Storage	Surface	[a]		
	Spillway			(NAVD	Spillway	(NAVD	Water		Pond	to		Orifice	[a]	Elevation			
				1929)	(NAVD 1929)	1929)	Surface Elevation		Bottom	Emergency Spillway				[a]			
	ac-ft	ft^3	ac-ft	ft	ft	ft	ft	ft	ft	ft	cfs		ac-ft	ft	cfs	-	
Pond D	2.7	86472	1.99	5427.50	5433.50	5433.50	5432.24	6	4.7	1.3	28.9	N	4.04	5435.03	19.7	Pond size reduced from 6.26 ac	
																ft to 2.75 ac-ft, orifice plate	
																removed	
POND F	11.76	396013	9.09	5415.08	5424.33	5425.00	5422.83	9.92	7.8	1.5	12.9	Y	10.4	5423.56	23.8	Orifice Area Increased from 1.6 to 2 ft^2	
POND F5	1.83	32949	0.76	5421	5427	5427	5424.46	6	3.5	2.5	58.5	N	1.38	5425.97	19.8	Pond Spillway assumed at 5427	
POND G	7.21	176891	4.06	5415.67	5422.50	5424.00	5420.62	8.33	4.9	1.9	12.0	Y	2.96	5419.84	24.6	Orifice Area reduced from 1.75 to 1 ft^2	
POND H	3.02	130000	2.98	5418.65	5422.00	5423.00	5422.00	4.35	3.4	0.0	21.6	Y	2.87	5421.89	26.8	Orifice area = 1.14 ft^2 Per Bohannan Huston's plans	
POND J	7.94	163081	3.74	5414.00	5417.00	5418.00	5416.00	4	2.0	1.0	30.1	Y	3.77	5415.66	32.39	Orifice area increased from 3.05 to 3.5 ft^2	
POND K	14.84	280338	6.44	5404.85	5409.00	5410.00	5407.39	5.15	2.5	1.6	60.7	Y	8.39	5407.79	60.7	Orifice area 4.96ft^2 (No Change)	

[a] Values based on the Ammendment to the Trails Drainage Master Plan

Table 3 Responsible Tracts for Facility Improvements									
Facility	Tract	Flow	Future	Modifications					
racinty	Responsible for	Characteristics	Improvements	to Orifice					
	Future	(cfs)	mprovements	Plates					
Pond D	Tract 1, Unit 2	Qin = 102.5	Regrading	Modeled					
	(North of Pond	Qout = 28.9	Pond D	without					
	D)			Orifice plate					
Pond F**	Tract 9, Unit 3A	Qin =144.3	Inlet and	Orifice Area					
	or, Tract 2, Unit 2	Qout = 12.9	outlet	Increased from					
	orTract 3, Unit 2*	4041 12.15	improvements,	1.63 to 2 ft^2					
			Overflow						
			inlets						
Pond F-5	Future Pond	Qin = 78.5	Pond to be	Pond Spillway					
		Qout = 58.5	constructed in	assumed at					
			the future	5427 based on					
				existing grade					
Pond G **	Tract 9, Unit 3A	Qin = 84.3	Inlet and	Orifice Area					
	or, Tract 2, Unit 2	Qout = 12.0	outlet	reduced from					
	,Tract 3, Unit 2 or		improvements,	1.75 to 1 ft^2					
	Tract 1 Unit 2*		Overflow						
			inlets						
Pond H **	Tract 8, Unit 2	Qin = 110.6	Inlet and	Orifice area					
		Qout = 27.4	outlet	1.14 ft^2. per					
			improvements,	BHI plans					
			Overflow						
			inlets						
Pond J	Tracts 1-4, Unit 4	Qin = 112.4	Inlet and	Orifice area					
		Qout = 30.1	outlet	increased from					
			improvements	3.05 to 3.5 ft^2					
Pond K	Tracts 1-4, Unit 4	Qin = 126.1	Inlet and	Orifice area					
		Qout = 60.7	outlet	4.96 ft^2					
			improvements						

** Any pond which requires an outlet or orifice restriction which is less then 24 inch diameter equivalent area will require a sluice gate type restriction plate or similar movable restriction to facilitate cleaning if orifice becomes blocked

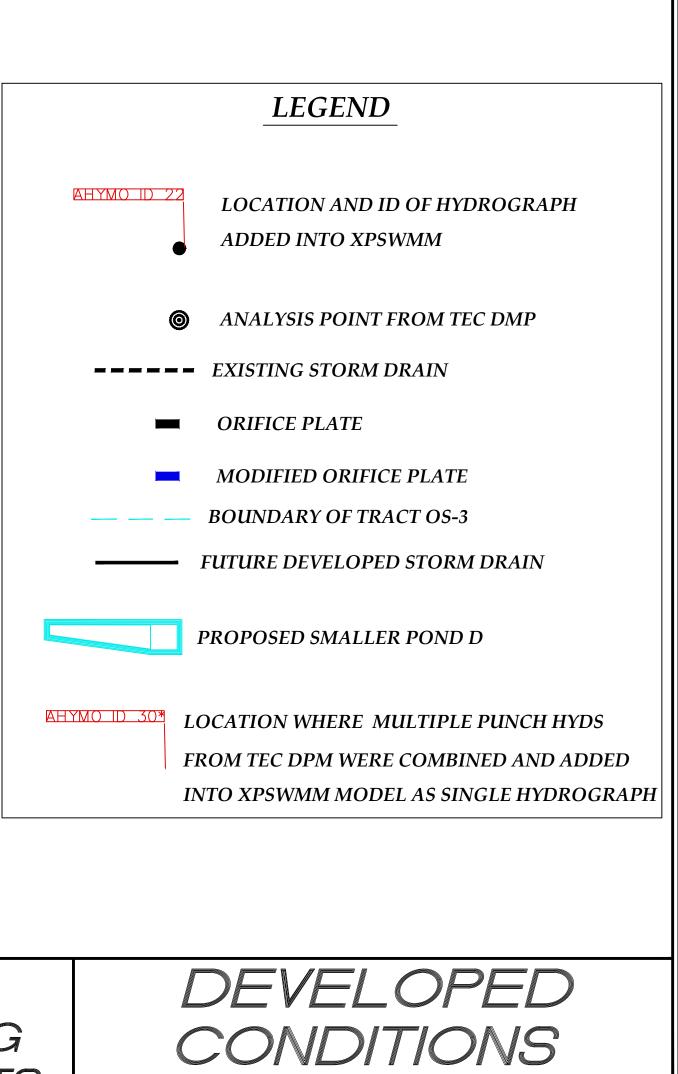


PLATE 1

