Summary of Pond Routings												
Pond	Model Description	Design Volume	100 Yr-24 Hr Peak Storage Volume	100 Yr-24 Hr Inflow Volume	100 Yr-24 Hr Outflow Volume	100 Yr-24 Hr Inflow	100 Yr-24 Hr Outflow	Elevation of Emergency Spillway	100 Yr-24 Hr Peak Water Surface Elevation	Freeboard from Emergency Spillway	Available Storage	Comments
		ac-ft	ac-ft	ac-ft	cfs	cfs	cfs	ft	ft	ft	ac-ft	
		a						a		b		
Pond 4	Ex Conditions HEC-HMS	8.51	3.49	12.2	12.2	63.6	19.6	5155.1	5152.1	3.0	5.02	Model uses current watershed conditions using latest NOAA 14 100 Yr-24 Hr rainfall depth of 2.52 in. Pond 5 not modeled
Pond 6	Ex Conditions HEC-HMS	9.01	5.74	10.5	10.5	170.1	50.4	5177.9	5176.57	1.3	3.27	
Pond 4	*Smith DEVEX Conditions Results from Report*	*8.51*	*4.50*	--	--	--	--	*5155.1*	*5152.9*	*2.2*	*4.01*	*All values reported on this table are taken directly from The Master Drainage Plan for the West Side Transit Facility by Smith Engineering Company, 2001.*
Pond 6	"	*9.01*	*6.20*	--	--	--	--	*5177.9*	*5176.7*	*1.2*	*2.81*	
Pond 4	DEVEX Conditions Using Smith Parameters in HEC-HMS	8.51	5.69	23.1	23.1	178.0	103.6	5155.1	5153.95	1.2	2.82	Smith Engineering subbasin parameters were used for subbasin land treatments under fully developed conditions, 100yr-24 hr precipitation depth was adopted from Smiths AHYMO_97 model (2.66 inches)
Pond 6	"	9.01	6.88	14.5	14.5	153.7	82.9	5177.9	5177.52	0.4	2.13	

Summary of Pond Routings												
Pond	Model Description	Design Volume	100 Yr-24 Hr Peak Storage Volume	100 Yr-24 Hr Inflow Volume	100 Yr-24 Hr Outflow Volume	100 Yr-24 Hr Inflow	100 Yr-24 Hr Outflow	Elevation of Emergency Spillway	100 Yr-24 Hr Peak Water Surface Elevation	Freeboard from Emergency Spillway	Available Storage	Comments
		ac-ft	ac-ft	ac-ft	cfs	cfs	cfs	ft	ft	ft	ac-ft	
		a						a		b		
Pond 4	DEVEX 1 Conditions Modeled with most current data using HEC-HMS	8.51	6.37	23.4	23.4	203.5	109.3	5155.1	5154.43	0.7	2.14	Watershed modeled as fully developed commercial/business site at 90% impervious, using latest NOAA 14 100-Yr-24Hr rainfall depth of 2.52 in. Same basin configuration as Smiths AHYMO DEVEX conditions. Pond 5 is not inlcuded as part of the system
Pond 6	"	9.01	6.90	13.8	13.8	231.4	83.1	5177.9	5177.5	0.4	2.11	
Pond 4	DEVEX 2 Conditions Modeled with most current data using HEC-HMS	8.51	6.07	23.5	23.5	215.9	106.9	5155.1	5154.2	0.9	2.44	Watershed modeled as fully developed commercial/business site at 90% impervious, using latest NOAA 14 100-Yr-24Hr rainfall depth of 2.52 in. Basin C-2D.2 drains to Pond 5 with existing outfall structure
Pond 5	"	4.73	1.59	5.4	5.4	98.2	78.4	5168.8	5164.86	3.9	3.14	
Pond 6	"	9.01	6.90	13.8	13.8	231.4	83.1	5177.9	5177.5	0.4	2.11	

Summary of Pond Routings

Pond	Model Description	Design Volume	100 Yr-24 Hr Peak Storage Volume	100 Yr-24 Hr Inflow Volume	100 Yr-24 Hr Outflow Volume	100 Yr-24 Hr Inflow	100 Yr-24 Hr Outflow	Elevation of Emergency Spillway	100 Yr-24 Hr Peak Water Surface Elevation	Freeboard from Emergency Spillway	Available Storage	Comments
		ac-ft	ac-ft	ac-ft	cfs	cfs	cfs	ft	ft	ft	ac-ft	
		a						a		b		
Pond 4	DEVEX Option 1	8.51	4.93	23.5	23.5	147.1	96.4	5155.1	5153.33	1.8	3.58	Watershed modeled as fully developed commercial/business site at 90% impervious, using latest NOAA 14 100-Yr-24Hr rainfall depth of 2.52 in. Basin C-2D.2 drains to Pond 5 with modified outfall restricting discharge using a 12" outlet pipe as principal spillway
Pond 5	DEVEX Option 1	4.73	3.14	5.43	5.4	98.2	10.5	5168.8	5167.66	1.1	1.59	
Pond 6	DEVEX Option 1	9.01	6.90	13.8	13.8	231.4	83.1	5177.9	5177.5	0.4	2.11	

a- All values reported on this table are taken directly from The Master Drainage Plan for the West Side Transit Facility
100 Yr 24 Hr rainfall depth based on lates NOAA Atlas 14 data
b - Freeboard = Elevation of Emergency Spillway - Peak Water Surface Elevation