

**Summary for Pond 27P:**

Inflow Area = 8.566 ac, 89.13% Impervious, Inflow Depth > 5.65" for 100-Year event  
 Inflow = 54.82 cfs @ 12.07 hrs, Volume= 4.035 af  
 Outflow = 37.47 cfs @ 12.12 hrs, Volume= 3.539 af, Atten= 32%, Lag= 2.8 min  
 Discarded = 0.87 cfs @ 12.52 hrs, Volume= 1.031 af  
 Primary = 36.61 cfs @ 12.12 hrs, Volume= 2.507 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs  
 Peak Elev= 53.18' @ 12.52 hrs Surf.Area= 11,100 sf Storage= 35,232 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)  
 Center-of-Mass det. time= 36.9 min ( 773.8 - 736.9 )

Volume	Invert	Avail.Storage	Storage Description
#1	47.00'	27,300 cf	<b>Custom Stage Data (Prismatic)</b> Listed below Inside #2
#2	47.00'	46,800 cf	<b>Custom Stage Data (Prismatic)</b> Listed below (Recalc)
			144,300 cf Overall - 27,300 cf Embedded = 117,000 cf x 40.0% Voids
		74,100 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
47.00	2,100	0	0
48.00	2,100	2,100	2,100
49.00	2,100	2,100	4,200
50.00	2,100	2,100	6,300
51.00	2,100	2,100	8,400
52.00	2,100	2,100	10,500
53.00	2,100	2,100	12,600
54.00	2,100	2,100	14,700
60.00	2,100	12,600	27,300

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
47.00	11,100	0	0
48.00	11,100	11,100	11,100
49.00	11,100	11,100	22,200
50.00	11,100	11,100	33,300
51.00	11,100	11,100	44,400
52.00	11,100	11,100	55,500
53.00	11,100	11,100	66,600
54.00	11,100	11,100	77,700
60.00	11,100	66,600	144,300

Device	Routing	Invert	Outlet Devices
#1	Discarded	47.00'	<b>3.000 in/hr Exfiltration over Surface area</b> Conductivity to Groundwater Elevation = 0.00'
#2	Primary	50.00'	<b>24.0" Vert. Orifice/Grate X 2.00</b> C= 0.600

**Discarded OutFlow** Max=0.87 cfs @ 12.52 hrs HW=53.18' (Free Discharge)

↳ **1=Exfiltration** ( Controls 0.87 cfs)

**Primary OutFlow** Max=31.68 cfs @ 12.12 hrs HW=52.90' TW=51.80' (Dynamic Tailwater)

↳ **2=Orifice/Grate** (Orifice Controls 31.68 cfs @ 5.04 fps)

**Summary for Pond 30P:**

Inflow Area = 76.358 ac, 40.75% Impervious, Inflow Depth > 3.30" for 100-Year event  
 Inflow = 175.99 cfs @ 12.15 hrs, Volume= 21.002 af  
 Outflow = 71.33 cfs @ 12.55 hrs, Volume= 18.518 af, Atten= 59%, Lag= 23.9 min  
 Primary = 71.33 cfs @ 12.55 hrs, Volume= 18.518 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs  
 Peak Elev= 53.12' @ 12.55 hrs Surf.Area= 83,510 sf Storage= 288,577 cf

Plug-Flow detention time= 105.6 min calculated for 18.518 af (88% of inflow)  
 Center-of-Mass det. time= 71.3 min ( 882.3 - 811.0 )

Volume	Invert	Avail.Storage	Storage Description
#1	49.00'	546,807 cf	<b>Custom Stage Data (Prismatic)</b> Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
49.00	52,745	0	0
50.00	60,878	56,812	56,812
51.00	72,370	66,624	123,436
52.00	77,568	74,969	198,405
53.00	82,940	80,254	278,659
54.00	87,726	85,333	363,992
55.00	92,635	90,181	454,172
56.00	92,635	92,635	546,807

Device	Routing	Invert	Outlet Devices
#1	Primary	52.50'	<b>10.0' long x 10.0' breadth Broad-Crested Rectangular Weir</b> Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64
#2	Primary	49.50'	<b>Custom Weir/Orifice, Cv= 2.62 (C= 3.28)</b> Head (feet) 0.00 3.00 3.00 5.00 Width (feet) 1.00 4.00 6.00 6.00
#3	Primary	49.00'	<b>5.0" Vert. Orifice/Grate C= 0.600</b>

**Primary OutFlow** Max=71.36 cfs @ 12.55 hrs HW=53.12' TW=50.44' (Dynamic Tailwater)

- ↳ **1=Broad-Crested Rectangular Weir** (Weir Controls 13.13 cfs @ 2.12 fps)
- ↳ **2=Custom Weir/Orifice** (Weir Controls 57.15 cfs @ 5.10 fps)
- ↳ **3=Orifice/Grate** (Orifice Controls 1.08 cfs @ 7.89 fps)

**Summary for Pond 10P:**

Inflow Area = 27.738 ac, 88.94% Impervious, Inflow Depth > 5.37" for 100-Year event  
 Inflow = 170.24 cfs @ 12.07 hrs, Volume= 12.412 af  
 Outflow = 49.57 cfs @ 12.40 hrs, Volume= 12.402 af, Atten= 71%, Lag= 19.5 min  
 Discarded = 23.28 cfs @ 12.40 hrs, Volume= 10.974 af  
 Primary = 26.30 cfs @ 12.40 hrs, Volume= 1.427 af

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs  
 Peak Elev= 51.61' @ 12.40 hrs Surf.Area= 61,050 sf Storage= 144,557 cf

Plug-Flow detention time= 29.9 min calculated for 12.402 af (100% of inflow)  
 Center-of-Mass det. time= 29.5 min ( 770.5 - 741.0 )

Volume	Invert	Avail.Storage	Storage Description
#1	47.00'	150,150 cf	<b>Custom Stage Data (Prismatic)</b> Listed below Inside #2
#2	47.00'	257,400 cf	<b>Custom Stage Data (Prismatic)</b> Listed below (Recalc)
			793,650 cf Overall - 150,150 cf Embedded = 643,500 cf x 40.0% Voids
		407,550 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
47.00	11,550	0	0
48.00	11,550	11,550	11,550
49.00	11,550	11,550	23,100
50.00	11,550	11,550	34,650
51.00	11,550	11,550	46,200
52.00	11,550	11,550	57,750
53.00	11,550	11,550	69,300
53.25	11,550	2,888	72,188
60.00	11,550	77,963	150,150

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
47.00	61,050	0	0
48.00	61,050	61,050	61,050
49.00	61,050	61,050	122,100
50.00	61,050	61,050	183,150
51.00	61,050	61,050	244,200
52.00	61,050	61,050	305,250
53.00	61,050	61,050	366,300
53.25	61,050	15,263	381,563
60.00	61,050	412,088	793,650

Device	Routing	Invert	Outlet Devices
#1	Discarded	47.00'	<b>15.000 in/hr Exfiltration over Surface area</b> Conductivity to Groundwater Elevation = 0.00'
#2	Primary	49.50'	<b>36.0" Vert. Orifice/Grate</b> C= 0.600

**Discarded OutFlow** Max=23.28 cfs @ 12.40 hrs HW=51.61' (Free Discharge)

↳ **1=Exfiltration** ( Controls 23.28 cfs)

**Primary OutFlow** Max=26.27 cfs @ 12.40 hrs HW=51.61' (Free Discharge)

↳ **2=Orifice/Grate** (Orifice Controls 26.27 cfs @ 4.95 fps)

**Summary for Pond 11P:**

Inflow Area = 16.749 ac, 96.32% Impervious, Inflow Depth > 5.87" for 100-Year event  
 Inflow = 107.91 cfs @ 12.07 hrs, Volume= 8.191 af  
 Outflow = 66.50 cfs @ 12.17 hrs, Volume= 8.186 af, Atten= 38%, Lag= 6.1 min  
 Discarded = 9.01 cfs @ 12.17 hrs, Volume= 5.575 af  
 Primary = 57.49 cfs @ 12.17 hrs, Volume= 2.611 af

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs  
 Peak Elev= 53.45' @ 12.17 hrs Surf.Area= 18,500 sf Storage= 62,636 cf

Plug-Flow detention time= 16.2 min calculated for 8.186 af (100% of inflow)  
 Center-of-Mass det. time= 15.9 min ( 740.1 - 724.3 )

Volume	Invert	Avail.Storage	Storage Description
#1	47.00'	50,050 cf	<b>Custom Stage Data (Prismatic)</b> Listed below Inside #2
#2	47.00'	76,180 cf	<b>Custom Stage Data (Prismatic)</b> Listed below (Recalc)
			240,500 cf Overall - 50,050 cf Embedded = 190,450 cf x 40.0% Voids
		126,230 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
47.00	3,850	0	0
48.00	3,850	3,850	3,850
49.00	3,850	3,850	7,700
50.00	3,850	3,850	11,550
51.00	3,850	3,850	15,400
52.00	3,850	3,850	19,250
53.00	3,850	3,850	23,100
54.00	3,850	3,850	26,950
54.50	3,850	1,925	28,875
60.00	3,850	21,175	50,050

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
47.00	18,500	0	0
48.00	18,500	18,500	18,500
49.00	18,500	18,500	37,000
50.00	18,500	18,500	55,500
51.00	18,500	18,500	74,000
52.00	18,500	18,500	92,500
53.00	18,500	18,500	111,000
54.00	18,500	18,500	129,500
54.50	18,500	9,250	138,750
60.00	18,500	101,750	240,500

**3659-12003C-Proposed Conditions POA 2-01**

Type III 24-hr 100-Year Rainfall=6.65"

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Device	Routing	Invert	Outlet Devices
#1	Discarded	47.00'	<b>18.500 in/hr Exfiltration over Surface area</b> Conductivity to Groundwater Elevation = 0.00'
#2	Primary	49.10'	<b>36.0" Vert. Orifice/Grate</b> C= 0.600

**Discarded OutFlow** Max=9.00 cfs @ 12.17 hrs HW=53.39' (Free Discharge)  
 ↳ **1=Exfiltration** ( Controls 9.00 cfs)

**Primary OutFlow** Max=56.86 cfs @ 12.17 hrs HW=53.39' (Free Discharge)  
 ↳ **2=Orifice/Grate** (Orifice Controls 56.86 cfs @ 8.04 fps)

**Summary for Pond 58P:**

Inflow Area = 5.255 ac, 88.60% Impervious, Inflow Depth > 5.31" for 100-Year event  
 Inflow = 32.57 cfs @ 12.07 hrs, Volume= 2.325 af  
 Outflow = 4.75 cfs @ 12.57 hrs, Volume= 2.011 af, Atten= 85%, Lag= 29.8 min  
 Discarded = 1.63 cfs @ 12.57 hrs, Volume= 1.534 af  
 Primary = 3.12 cfs @ 12.57 hrs, Volume= 0.477 af

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs  
 Peak Elev= 49.78' @ 12.57 hrs Surf.Area= 22,118 sf Storage= 41,911 cf

Plug-Flow detention time= 126.8 min calculated for 2.006 af (86% of inflow)  
 Center-of-Mass det. time= 85.2 min ( 833.3 - 748.1 )

Volume	Invert	Avail.Storage	Storage Description
#1A	47.00'	14,428 cf	<b>120.25'W x 137.72'L x 3.50'H Field A</b> 57,963 cf Overall - 21,892 cf Embedded = 36,070 cf x 40.0% Voids
#2A	47.50'	21,892 cf	<b>StormTech SC-740</b> x 475 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap Row Length Adjustment= +0.44' x 6.45 sf x 25 rows
#3B	47.00'	4,900 cf	<b>58.50'W x 95.00'L x 3.50'H Field B</b> 19,451 cf Overall - 7,201 cf Embedded = 12,250 cf x 40.0% Voids
#4B	47.50'	7,201 cf	<b>StormTech SC-740</b> x 156 Inside #3 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap Row Length Adjustment= +0.44' x 6.45 sf x 12 rows
		48,421 cf	Total Available Storage

Storage Group A created with Chamber Wizard  
 Storage Group B created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	48.60'	<b>12.0" Vert. Orifice/Grate</b> C= 0.600
#2	Discarded	47.00'	<b>3.000 in/hr Exfiltration over Surface area</b> Conductivity to Groundwater Elevation = 0.00'

**3659-12003C-Proposed Conditions POA 2-01**

*Type III 24-hr 100-Year Rainfall=6.65"*

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**Discarded OutFlow** Max=1.63 cfs @ 12.57 hrs HW=49.78' (Free Discharge)

↳ **2=Exfiltration** ( Controls 1.63 cfs)

**Primary OutFlow** Max=3.12 cfs @ 12.57 hrs HW=49.78' (Free Discharge)

↳ **1=Orifice/Grate** (Orifice Controls 3.12 cfs @ 3.97 fps)

**Summary for Pond 52.1P: Upper Pond**

Inflow Area = 73.364 ac, 23.75% Impervious, Inflow Depth > 2.78" for 100-Year event  
 Inflow = 133.95 cfs @ 12.30 hrs, Volume= 16.976 af  
 Outflow = 88.86 cfs @ 12.61 hrs, Volume= 16.457 af, Atten= 34%, Lag= 18.9 min  
 Primary = 42.36 cfs @ 12.61 hrs, Volume= 5.537 af  
 Secondary = 46.50 cfs @ 12.62 hrs, Volume= 10.921 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.01 hrs / 2  
 Peak Elev= 53.01' @ 12.62 hrs Surf.Area= 39,463 sf Storage= 187,433 cf

Plug-Flow detention time= 48.0 min calculated for 16.457 af (97% of inflow)  
 Center-of-Mass det. time= 36.6 min ( 836.2 - 799.6 )

Volume	Invert	Avail.Storage	Storage Description
#1	47.00'	481,854 cf	<b>Custom Stage Data (Prismatic)</b> Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
47.00	22,830	0	0
48.00	25,408	24,119	24,119
49.00	28,123	26,766	50,885
50.00	31,194	29,659	80,543
51.00	34,270	32,732	113,275
52.00	36,829	35,550	148,825
53.00	39,431	38,130	186,955
54.00	42,077	40,754	227,709
60.00	42,638	254,145	481,854

Device	Routing	Invert	Outlet Devices
#1	Primary	47.00'	<b>12.0" Vert. Orifice/Grate X 3.00</b> C= 0.600
#2	Primary	52.75'	<b>46.0' long Sharp-Crested Rectangular Weir</b> 2 End Contraction(s)
#3	Secondary	49.75'	<b>18.0" Vert. Orifice/Grate</b> C= 0.600
#4	Secondary	47.25'	<b>24.0" Vert. Orifice/Grate</b> C= 0.600

**Primary OutFlow** Max=42.35 cfs @ 12.61 hrs HW=53.01' TW=49.18' (Dynamic Tailwater)

- ↑ 1=Orifice/Grate (Orifice Controls 22.22 cfs @ 9.43 fps)
- ↳ 2=Sharp-Crested Rectangular Weir (Weir Controls 20.13 cfs @ 1.67 fps)

**Secondary OutFlow** Max=46.50 cfs @ 12.62 hrs HW=53.01' (Free Discharge)

- ↑ 3=Orifice/Grate (Orifice Controls 13.49 cfs @ 7.63 fps)
- ↳ 4=Orifice/Grate (Orifice Controls 33.01 cfs @ 10.51 fps)

**Summary for Pond 52.2P: Lower Pond**

Inflow Area = 76.833 ac, 23.12% Impervious, Inflow Depth > 0.99" for 100-Year event  
 Inflow = 48.09 cfs @ 12.61 hrs, Volume= 6.367 af  
 Outflow = 13.23 cfs @ 13.53 hrs, Volume= 5.643 af, Atten= 72%, Lag= 55.5 min  
 Primary = 13.23 cfs @ 13.53 hrs, Volume= 5.643 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.01 hrs / 2

**3659-12003C-Proposed Conditions POA 3-01**

Type III 24-hr 100-Year Rainfall=6.65"

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Peak Elev= 50.06' @ 13.53 hrs Surf.Area= 41,847 sf Storage= 116,861 cf

Plug-Flow detention time= 130.7 min calculated for 5.643 af (89% of inflow)  
Center-of-Mass det. time= 92.2 min ( 903.6 - 811.4 )

Volume	Invert	Avail.Storage	Storage Description
#1	47.00'	563,967 cf	<b>Custom Stage Data (Prismatic)</b> Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
47.00	34,526	0	0
48.00	36,921	35,724	35,724
49.00	39,302	38,112	73,835
50.00	41,632	40,467	114,302
51.00	45,142	43,387	157,689
60.00	45,142	406,278	563,967

Device	Routing	Invert	Outlet Devices
#1	Primary	47.00'	<b>18.0" Vert. Orifice/Grate</b> C= 0.600
#2	Primary	50.00'	<b>6.0' long Sharp-Crested Rectangular Weir</b> 2 End Contraction(s)
#3	Primary	51.00'	<b>15.0' long x 10.0' breadth Broad-Crested Rectangular Weir</b> Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

**Primary OutFlow** Max=13.23 cfs @ 13.53 hrs HW=50.06' TW=0.00' (Dynamic Tailwater)

- 1=Orifice/Grate (Orifice Controls 12.94 cfs @ 7.32 fps)
- 2=Sharp-Crested Rectangular Weir (Weir Controls 0.30 cfs @ 0.81 fps)
- 3=Broad-Crested Rectangular Weir ( Controls 0.00 cfs)



**Summary for Pond 59.1P:**

Inflow Area = 6.853 ac, 86.95% Impervious, Inflow Depth > 5.54" for 100-Year event  
 Inflow = 43.45 cfs @ 12.07 hrs, Volume= 3.163 af  
 Outflow = 17.54 cfs @ 12.28 hrs, Volume= 2.917 af, Atten= 60%, Lag= 12.3 min  
 Discarded = 1.58 cfs @ 12.28 hrs, Volume= 1.574 af  
 Primary = 15.96 cfs @ 12.28 hrs, Volume= 1.343 af

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs  
 Peak Elev= 50.61' @ 12.28 hrs Surf.Area= 21,120 sf Storage= 45,096 cf

Plug-Flow detention time= 82.7 min calculated for 2.917 af (92% of inflow)  
 Center-of-Mass det. time= 54.5 min ( 795.5 - 741.0 )

Volume	Invert	Avail.Storage	Storage Description
#1	47.00'	87,360 cf	<b>Custom Stage Data (Prismatic)</b> Listed below x 2 Inside #2
#2	47.00'	74,880 cf	<b>Custom Stage Data (Prismatic)</b> Listed below (Recalc)
			274,560 cf Overall - 87,360 cf Embedded = 187,200 cf x 40.0% Voids
		162,240 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
47.00	3,360	0	0
48.00	3,360	3,360	3,360
49.00	3,360	3,360	6,720
50.00	3,360	3,360	10,080
51.00	3,360	3,360	13,440
52.00	3,360	3,360	16,800
52.50	3,360	1,680	18,480
60.00	3,360	25,200	43,680

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
47.00	21,120	0	0
48.00	21,120	21,120	21,120
49.00	21,120	21,120	42,240
50.00	21,120	21,120	63,360
51.00	21,120	21,120	84,480
52.00	21,120	21,120	105,600
52.50	21,120	10,560	116,160
60.00	21,120	158,400	274,560

Device	Routing	Invert	Outlet Devices
#1	Discarded	47.00'	<b>3.000 in/hr Exfiltration over Surface area</b> Conductivity to Groundwater Elevation = 0.00'
#2	Primary	48.50'	<b>24.0" Vert. Orifice/Grate</b> C= 0.600

**Discarded OutFlow** Max=1.58 cfs @ 12.28 hrs HW=50.61' (Free Discharge)  
 ↑1=Exfiltration ( Controls 1.58 cfs)

**Primary OutFlow** Max=15.94 cfs @ 12.28 hrs HW=50.61' (Free Discharge)  
 ↑2=Orifice/Grate (Orifice Controls 15.94 cfs @ 5.07 fps)

**Summary for Pond 59.2P:**

Inflow Area = 4.050 ac, 84.04% Impervious, Inflow Depth > 5.42" for 100-Year event  
 Inflow = 25.40 cfs @ 12.07 hrs, Volume= 1.830 af  
 Outflow = 13.63 cfs @ 12.20 hrs, Volume= 1.830 af, Atten= 46%, Lag= 8.0 min  
 Discarded = 3.00 cfs @ 11.60 hrs, Volume= 1.450 af  
 Primary = 10.63 cfs @ 12.20 hrs, Volume= 0.380 af

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs  
 Peak Elev= 49.93' @ 12.20 hrs Surf.Area= 8,260 sf Storage= 16,160 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)  
 Center-of-Mass det. time= 17.5 min ( 762.1 - 744.7 )

Volume	Invert	Avail.Storage	Storage Description
#1A	47.00'	7,250 cf	<b>63.25'W x 130.60'L x 3.50'H Field A</b> 28,912 cf Overall - 10,787 cf Embedded = 18,125 cf x 40.0% Voids
#2A	47.50'	10,787 cf	<b>StormTech SC-740</b> x 234 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap Row Length Adjustment= +0.44' x 6.45 sf x 13 rows
		18,037 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	47.00'	<b>3.00 cfs Exfiltration at all elevations</b>
#2	Primary	48.50'	<b>15.0" Vert. Orifice/Grate X 2.00</b> C= 0.600

**Discarded OutFlow** Max=3.00 cfs @ 11.60 hrs HW=47.05' (Free Discharge)  
 ↑1=Exfiltration (Exfiltration Controls 3.00 cfs)

**Primary OutFlow** Max=10.58 cfs @ 12.20 hrs HW=49.93' (Free Discharge)  
 ↑2=Orifice/Grate (Orifice Controls 10.58 cfs @ 4.31 fps)