

**EastGranbyRec-2024\_PIPED**

Prepared by Barresi Associates LLC

Printed 6/19/2024

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**Area Listing (all nodes)**

Area (sq-ft)	CN	Description (subcatchment-numbers)
4,384	98	Bituminous Concrete (P-NSM, P-SSM)
3,600	98	Courts (P-SE)
13,830	98	DOT Millings (P-S, P-SSM)
142,168	45	Lawn (P-NE, P-S, P-SE, P-SSM, P-W)
17,600	40	Lawn (P-NSM)
196,476	70	Meadow/Pasture (X-NE, X-S, X-SE, X-W)
14,250	98	Rec Courts (P-NE, P-NSM, P-SSM, P-W)
640	98	Roof (P-S, P-SE)
98,728	60	Woods (P-NE, P-SE, P-W, X-NE, X-SE, X-W)
<b>491,676</b>	<b>62</b>	<b>TOTAL AREA</b>

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**Ground Covers (all nodes)**

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subca Numbe
0	0	0	0	4,384	4,384	Bituminous	
						Concrete	
0	0	0	0	3,600	3,600	Courts	
0	0	0	0	13,830	13,830	DOT Millings	
0	0	0	0	159,768	159,768	Lawn	
0	0	0	0	196,476	196,476	Meadow/Pasture	
0	0	0	0	14,250	14,250	Rec Courts	
0	0	0	0	640	640	Roof	
0	0	0	0	98,728	98,728	Woods	
0	0	0	0	<b>491,676</b>	<b>491,676</b>	<b>TOTAL AREA</b>	

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**Pipe Listing (all nodes)**

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	101	179.00	177.30	130.0	0.0131	0.010	12.0	0.0	0.0

Time span=0.00-30.00 hrs, dt=0.01 hrs, 3001 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

<b>Subcatchment P-NE: Balance Flow to</b>	Runoff Area=65,072 sf	2.77% Impervious	Runoff Depth=1.24"
Flow Length=450'	Slope=0.0290 '/'	Tc=19.3 min	CN=55
		Runoff=1.25 cfs	6,720 cf
<b>Subcatchment P-NSM: Portion of Site to</b>	Runoff Area=28,989 sf	39.29% Impervious	Runoff Depth=1.83"
Flow Length=250'	Slope=0.0190 '/'	Tc=12.2 min	CN=63
		Runoff=1.11 cfs	4,432 cf
<b>Subcatchment P-S: Balance Flow to South</b>	Runoff Area=20,180 sf	24.05% Impervious	Runoff Depth=1.45"
Flow Length=180'	Slope=0.0210 '/'	Tc=10.1 min	CN=58
		Runoff=0.61 cfs	2,445 cf
<b>Subcatchment P-SE: Balance Flow to</b>	Runoff Area=28,638 sf	13.69% Impervious	Runoff Depth=1.17"
Flow Length=280'	Slope=0.0310 '/'	Tc=13.1 min	CN=54
		Runoff=0.59 cfs	2,793 cf
<b>Subcatchment P-SSM: Portion of Site to</b>	Runoff Area=25,520 sf	48.55% Impervious	Runoff Depth=2.50"
Flow Length=160'	Slope=0.0360 '/'	Tc=5.0 min	CN=71
		Runoff=1.77 cfs	5,320 cf
<b>Subcatchment P-W: Balance Flow to West</b>	Runoff Area=77,437 sf	3.03% Impervious	Runoff Depth=0.85"
Flow Length=360'	Slope=0.0280 '/'	Tc=19.2 min	CN=49
		Runoff=0.84 cfs	5,454 cf
<b>Subcatchment X-NE: Existing Flow to</b>	Runoff Area=77,830 sf	0.00% Impervious	Runoff Depth=1.99"
Flow Length=450'	Slope=0.0290 '/'	Tc=15.0 min	CN=65
		Runoff=3.04 cfs	12,937 cf
<b>Subcatchment X-S: Existing Flow to South</b>	Runoff Area=33,044 sf	0.00% Impervious	Runoff Depth=2.41"
Flow Length=290'	Slope=0.0100 '/'	Tc=15.8 min	CN=70
		Runoff=1.57 cfs	6,648 cf
<b>Subcatchment X-SE: Existing Flow to</b>	Runoff Area=47,634 sf	0.00% Impervious	Runoff Depth=2.33"
Flow Length=310'	Slope=0.0180 '/'	Tc=12.7 min	CN=69
		Runoff=2.36 cfs	9,242 cf
<b>Subcatchment X-W: Existing Flow to West</b>	Runoff Area=87,332 sf	0.00% Impervious	Runoff Depth=2.33"
Flow Length=360'	Slope=0.0280 '/'	Tc=11.5 min	CN=69
		Runoff=4.48 cfs	16,944 cf
<b>Reach 101: CB 101 to FE 102</b>	Avg. Flow Depth=0.18'	Max Vel=3.89 fps	Inflow=0.37 cfs
12.0" Round Pipe n=0.010	L=130.0'	S=0.0131 '/'	Capacity=5.30 cfs
		Outflow=0.37 cfs	2,618 cf
<b>Pond E-SWS: Southerly Stormwater</b>	Peak Elev=179.95'	Storage=1,891 cf	Inflow=1.77 cfs
Discarded=0.05 cfs	2,702 cf	Primary=0.37 cfs	2,618 cf
		Outflow=0.42 cfs	5,319 cf
<b>Pond NSWM: Northerly Stormwater</b>	Peak Elev=181.80'	Storage=1,342 cf	Inflow=1.11 cfs
Discarded=0.04 cfs	1,808 cf	Primary=0.36 cfs	2,623 cf
		Outflow=0.39 cfs	4,430 cf
<b>Link PTF-NE: Total Existing Flow to Norheasterly RT 187 Cross-Culvert</b>		Inflow=1.54 cfs	9,343 cf
		Primary=1.54 cfs	9,343 cf
<b>Link PTF-S: Total Existing Flow to Southerly Access Drive</b>		Inflow=0.61 cfs	2,445 cf
		Primary=0.61 cfs	2,445 cf
<b>Link PTF-SE: Total Existing Flow to Southeasterly Cross-Culvert</b>		Inflow=0.88 cfs	5,411 cf
		Primary=0.88 cfs	5,411 cf
<b>Link PTF-W: Total Existing Flow to Westerly Wetlands</b>		Inflow=0.84 cfs	5,454 cf
		Primary=0.84 cfs	5,454 cf
<b>Link XTF-NE: Total Existing Flow to Norheasterly RT 187 Cross-Culvert</b>		Inflow=3.04 cfs	12,937 cf
		Primary=3.04 cfs	12,937 cf
<b>Link XTF-S: Total Existing Flow to Southerly Access Drive</b>		Inflow=1.57 cfs	6,648 cf
		Primary=1.57 cfs	6,648 cf
<b>Link XTF-SE: Total Existing Flow to Southeasterly Cross-Culvert</b>		Inflow=2.36 cfs	9,242 cf
		Primary=2.36 cfs	9,242 cf

**Link XTF-W: Total Existing Flow to Westerly Wetlands**

Inflow=4.48 cfs 16,944 cf

Primary=4.48 cfs 16,944 cf

Total Runoff Area = 491,676 sf    Runoff Volume = 72,934 cf    Average Runoff Depth = 1.78"  
92.53% Pervious = 454,972 sf    7.47% Impervious = 36,704 sf

Summary for Subcatchment P-NE: Balance Flow to Northeast

Runoff = 1.25 cfs @ 12.31 hrs, Volume= 6,720 cf, Depth= 1.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25-Year Design Storm Rainfall=5.50"

Table with 3 columns: Area (sf), CN, Description. Rows include Rec Courts, Woods, Lawn, Weighted Average, Pervious Area, and Impervious Area.

Table with 6 columns: Tc (min), Length (feet), Slope (ft/ft), Velocity (ft/sec), Capacity (cfs), Description. Row includes Lag/CN Method.

Summary for Subcatchment P-NSM: Portion of Site to Northerly Stormwater Management Trench

Runoff = 1.11 cfs @ 12.18 hrs, Volume= 4,432 cf, Depth= 1.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25-Year Design Storm Rainfall=5.50"

Table with 3 columns: Area (sf), CN, Description. Rows include Bituminous Concrete, Rec Courts, Lawn, Weighted Average, Pervious Area, and Impervious Area.

Table with 6 columns: Tc (min), Length (feet), Slope (ft/ft), Velocity (ft/sec), Capacity (cfs), Description. Row includes Lag/CN Method.

Summary for Subcatchment P-S: Balance Flow to South

Runoff = 0.61 cfs @ 12.16 hrs, Volume= 2,445 cf, Depth= 1.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25-Year Design Storm Rainfall=5.50"

Table with 3 columns: Area (sf), CN, Description. Rows include Roof, DOT Millings, Lawn, Weighted Average, Pervious Area, and Impervious Area.

Table with 6 columns: Tc (min), Length (feet), Slope (ft/ft), Velocity (ft/sec), Capacity (cfs), Description. Row includes Lag/CN Method.

**Summary for Subcatchment P-SE: Balance Flow to Southeast**

Runoff = 0.59 cfs @ 12.21 hrs, Volume= 2,793 cf, Depth= 1.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs  
 Type III 24-hr 25-Year Design Storm Rainfall=5.50"

Area (sf)	CN	Description
* 320	98	Roof
* 3,600	98	Courts
* 2,786	60	Woods
* 21,932	45	Lawn
28,638	54	Weighted Average
24,718		86.31% Pervious Area
3,920		13.69% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.1	280	0.0310	0.36		Lag/CN Method,

**Summary for Subcatchment P-SSM: Portion of Site to Southerly Stormwater Management Trench**

Runoff = 1.77 cfs @ 12.08 hrs, Volume= 5,320 cf, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs  
 Type III 24-hr 25-Year Design Storm Rainfall=5.50"

Area (sf)	CN	Description
* 2,340	98	Bituminous Concrete
* 755	98	Rec Courts
* 9,296	98	DOT Millings
* 13,129	45	Lawn
25,520	71	Weighted Average
13,129		51.45% Pervious Area
12,391		48.55% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	160	0.0360	0.53		Lag/CN Method,

**Summary for Subcatchment P-W: Balance Flow to West**

Runoff = 0.84 cfs @ 12.35 hrs, Volume= 5,454 cf, Depth= 0.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs  
 Type III 24-hr 25-Year Design Storm Rainfall=5.50"

Area (sf)	CN	Description
* 2,350	98	Rec Courts
* 9,990	60	Woods
* 65,097	45	Lawn
77,437	49	Weighted Average
75,087		96.97% Pervious Area
2,350		3.03% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.2	360	0.0280	0.31		Lag/CN Method,

**Summary for Subcatchment X-NE: Existing Flow to Northeast**

Runoff = 3.04 cfs @ 12.22 hrs, Volume= 12,937 cf, Depth= 1.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs  
Type III 24-hr 25-Year Design Storm Rainfall=5.50"

Area (sf)	CN	Description
* 41,242	70	Meadow/Pasture
* 36,588	60	Woods
77,830	65	Weighted Average
77,830		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.0	450	0.0290	0.50		Lag/CN Method,

**Summary for Subcatchment X-S: Existing Flow to South**

Runoff = 1.57 cfs @ 12.22 hrs, Volume= 6,648 cf, Depth= 2.41"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs  
Type III 24-hr 25-Year Design Storm Rainfall=5.50"

Area (sf)	CN	Description
* 33,044	70	Meadow/Pasture
33,044		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.8	290	0.0100	0.31		Lag/CN Method,

**Summary for Subcatchment X-SE: Existing Flow to Southeast**

Runoff = 2.36 cfs @ 12.18 hrs, Volume= 9,242 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs  
Type III 24-hr 25-Year Design Storm Rainfall=5.50"

Area (sf)	CN	Description
* 44,848	70	Meadow/Pasture
* 2,786	60	Woods
47,634	69	Weighted Average
47,634		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.7	310	0.0180	0.41		Lag/CN Method,

**Summary for Subcatchment X-W: Existing Flow to West**

Runoff = 4.48 cfs @ 12.16 hrs, Volume= 16,944 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs  
Type III 24-hr 25-Year Design Storm Rainfall=5.50"



Area (sf)	CN	Description
* 77,342	70	Meadow/Pasture
* 9,990	60	Woods
87,332	69	Weighted Average
87,332		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.5	360	0.0280	0.52		Lag/CN Method,

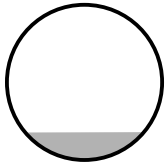
**Summary for Reach 101: CB 101 to FE 102**

Inflow Area = 25,520 sf, 48.55% Impervious, Inflow Depth = 1.23" for 25-Year Design St  
 Inflow = 0.37 cfs @ 12.49 hrs, Volume= 2,618 cf  
 Outflow = 0.37 cfs @ 12.51 hrs, Volume= 2,618 cf, Atten= 0%, Lag= 1.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs  
 Max. Velocity= 3.89 fps, Min. Travel Time= 0.6 min  
 Avg. Velocity = 2.01 fps, Avg. Travel Time= 1.1 min

Peak Storage= 12 cf @ 12.50 hrs  
 Average Depth at Peak Storage= 0.18'  
 Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 5.30 cfs

12.0" Round Pipe  
 n= 0.010  
 Length= 130.0' Slope= 0.0131 '/'  
 Inlet Invert= 179.00', Outlet Invert= 177.30'



**Summary for Pond E-SWS: Southerly Stormwater Management**

Inflow Area = 25,520 sf, 48.55% Impervious, Inflow Depth = 2.50" for 25-Year Design St  
 Inflow = 1.77 cfs @ 12.08 hrs, Volume= 5,320 cf  
 Outflow = 0.42 cfs @ 12.49 hrs, Volume= 5,319 cf, Atten= 76%, Lag= 24.7 min  
 Discarded = 0.05 cfs @ 12.49 hrs, Volume= 2,702 cf  
 Primary = 0.37 cfs @ 12.49 hrs, Volume= 2,618 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs / 3  
 Peak Elev= 179.95' @ 12.49 hrs Surf.Area= 3,469 sf Storage= 1,891 cf

Plug-Flow detention time= 146.1 min calculated for 5,319 cf (100% of inflow)  
 Center-of-Mass det. time= 146.1 min ( 985.3 - 839.3 )

Volume	Invert	Avail.Storage	Storage Description
#1	179.00'	7,383 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
#2	179.00'	745 cf	6.00'W x 150.00'L x 1.00'H Prismatoid Z=0.2 x 2
			1,863 cf Overall x 40.0% Voids
		8,128 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
179.00	930	0	0
180.00	1,580	1,255	1,255
181.00	2,250	1,915	3,170
182.00	2,950	2,600	5,770
182.50	3,500	1,613	7,383

Device	Routing	Invert	Outlet Devices
#1	Primary	179.42'	5.0" Vert. Orifice/Grate C= 0.600
#2	Discarded	179.00'	0.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 146.00'
#3	Primary	182.40'	30.0" x 16.5" Horiz. Top CL CB C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.05 cfs @ 12.49 hrs HW=179.95' (Free Discharge)  
 ↑2=Exfiltration ( Controls 0.05 cfs)

Primary OutFlow Max=0.37 cfs @ 12.49 hrs HW=179.95' (Free Discharge)  
 ↑1=Orifice/Grate (Orifice Controls 0.37 cfs @ 2.74 fps)  
 ↓3=Top CL CB ( Controls 0.00 cfs)

**Summary for Pond NSWM: Northerly Stormwater Management**

Inflow Area = 28,989 sf, 39.29% Impervious, Inflow Depth = 1.83" for 25-Year Design St  
 Inflow = 1.11 cfs @ 12.18 hrs, Volume= 4,432 cf  
 Outflow = 0.39 cfs @ 12.59 hrs, Volume= 4,430 cf, Atten= 65%, Lag= 24.7 min  
 Discarded = 0.04 cfs @ 12.59 hrs, Volume= 1,808 cf  
 Primary = 0.36 cfs @ 12.59 hrs, Volume= 2,623 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs / 3  
 Peak Elev= 181.80' @ 12.59 hrs Surf.Area= 2,508 sf Storage= 1,342 cf

Plug-Flow detention time= 119.2 min calculated for 4,430 cf (100% of inflow)  
 Center-of-Mass det. time= 119.0 min ( 985.1 - 866.1 )

Volume	Invert	Avail.Storage	Storage Description
#1	181.00'	5,480 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
#2	181.00'	298 cf	6.00'W x 120.00'L x 1.00'H Prismatoid Z=0.2 745 cf Overall x 40.0% Voids
		5,778 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
181.00	1,005	0	0
182.00	1,930	1,468	1,468
183.00	2,920	2,425	3,893
183.50	3,430	1,588	5,480

Device	Routing	Invert	Outlet Devices
#1	Primary	181.30'	5.0" Vert. Orifice/Grate C= 0.600
#2	Discarded	181.00'	0.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 146.00'
#3	Primary	183.40'	Custom Weir/Orifice, Cv= 2.62 (C= 3.28) Head (feet) 0.00 1.00 Width (feet) 12.00 16.00

Discarded OutFlow Max=0.04 cfs @ 12.59 hrs HW=181.80' (Free Discharge)  
 ↑2=Exfiltration ( Controls 0.04 cfs)

Primary OutFlow Max=0.36 cfs @ 12.59 hrs HW=181.80' (Free Discharge)  
 ↑1=Orifice/Grate (Orifice Controls 0.36 cfs @ 2.61 fps)  
 ↓3=Custom Weir/Orifice ( Controls 0.00 cfs)

**Summary for Link PTF-NE: Total Existing Flow to Northeasterly RT 187 Cross-Culvert**

Inflow Area = 94,061 sf, 14.02% Impervious, Inflow Depth = 1.19" for 25-Year Design St  
Inflow = 1.54 cfs @ 12.33 hrs, Volume= 9,343 cf  
Primary = 1.54 cfs @ 12.33 hrs, Volume= 9,343 cf, Atten= 0%, Lag= 0.0 min  
Primary outflow = Inflow, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs

**Summary for Link PTF-S: Total Existing Flow to Southerly Access Drive**

Inflow Area = 20,180 sf, 24.05% Impervious, Inflow Depth = 1.45" for 25-Year Design St  
Inflow = 0.61 cfs @ 12.16 hrs, Volume= 2,445 cf  
Primary = 0.61 cfs @ 12.16 hrs, Volume= 2,445 cf, Atten= 0%, Lag= 0.0 min  
Primary outflow = Inflow, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs

**Summary for Link PTF-SE: Total Existing Flow to Southeasterly Cross-Culvert**

Inflow Area = 54,158 sf, 30.12% Impervious, Inflow Depth = 1.20" for 25-Year Design St  
Inflow = 0.88 cfs @ 12.24 hrs, Volume= 5,411 cf  
Primary = 0.88 cfs @ 12.24 hrs, Volume= 5,411 cf, Atten= 0%, Lag= 0.0 min  
Primary outflow = Inflow, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs

**Summary for Link PTF-W: Total Existing Flow to Westerly Wetlands**

Inflow Area = 77,437 sf, 3.03% Impervious, Inflow Depth = 0.85" for 25-Year Design St  
Inflow = 0.84 cfs @ 12.35 hrs, Volume= 5,454 cf  
Primary = 0.84 cfs @ 12.35 hrs, Volume= 5,454 cf, Atten= 0%, Lag= 0.0 min  
Primary outflow = Inflow, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs

**Summary for Link XTF-NE: Total Existing Flow to Northeasterly RT 187 Cross-Culvert**

Inflow Area = 77,830 sf, 0.00% Impervious, Inflow Depth = 1.99" for 25-Year Design St  
Inflow = 3.04 cfs @ 12.22 hrs, Volume= 12,937 cf  
Primary = 3.04 cfs @ 12.22 hrs, Volume= 12,937 cf, Atten= 0%, Lag= 0.0 min  
Primary outflow = Inflow, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs

**Summary for Link XTF-S: Total Existing Flow to Southerly Access Drive**

Inflow Area = 33,044 sf, 0.00% Impervious, Inflow Depth = 2.41" for 25-Year Design St  
Inflow = 1.57 cfs @ 12.22 hrs, Volume= 6,648 cf  
Primary = 1.57 cfs @ 12.22 hrs, Volume= 6,648 cf, Atten= 0%, Lag= 0.0 min  
Primary outflow = Inflow, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs

**Summary for Link XTF-SE: Total Existing Flow to Southeasterly Cross-Culvert**

Inflow Area = 47,634 sf, 0.00% Impervious, Inflow Depth = 2.33" for 25-Year Design St  
Inflow = 2.36 cfs @ 12.18 hrs, Volume= 9,242 cf  
Primary = 2.36 cfs @ 12.18 hrs, Volume= 9,242 cf, Atten= 0%, Lag= 0.0 min  
Primary outflow = Inflow, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs

**Summary for Link XTF-W: Total Existing Flow to Westerly Wetlands**

Inflow Area = 87,332 sf, 0.00% Impervious, Inflow Depth = 2.33" for 25-Year Design St  
Inflow = 4.48 cfs @ 12.16 hrs, Volume= 16,944 cf  
Primary = 4.48 cfs @ 12.16 hrs, Volume= 16,944 cf, Atten= 0%, Lag= 0.0 min  
Primary outflow = Inflow, Time Span= 0.00-30.00 hrs, dt= 0.01 hrs