

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points

Runoff by SCS TR-20 method, UH=SCS

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

Subcatchment 1B: Ex. Bank Roof	Runoff Area=3,300 sf 100.00% Impervious Runoff Depth>2.97" Tc=5.0 min CN=98 Runoff=0.24 cfs 816 cf
Subcatchment 2: 2P	Runoff Area=76,913 sf 26.66% Impervious Runoff Depth>1.40" Tc=5.0 min CN=80 Runoff=2.88 cfs 8,978 cf
Subcatchment 2B: Ex. Bank Parking Lot	Runoff Area=36,670 sf 59.99% Impervious Runoff Depth>2.00" Tc=5.0 min CN=88 Runoff=1.96 cfs 6,099 cf
Subcatchment 3: 3P	Runoff Area=7,177 sf 84.14% Impervious Runoff Depth>2.54" Tc=5.0 min CN=94 Runoff=0.47 cfs 1,521 cf
Subcatchment 3B: Ex. Landscape	Runoff Area=3,128 sf 0.00% Impervious Runoff Depth>1.04" Tc=5.0 min CN=74 Runoff=0.08 cfs 270 cf
Subcatchment 4P: 7	Runoff Area=143,341 sf 2.00% Impervious Runoff Depth>1.03" Flow Length=850' Tc=10.8 min CN=74 Runoff=3.19 cfs 12,363 cf
Subcatchment 5: 5P	Runoff Area=34,508 sf 45.54% Impervious Runoff Depth>1.76" Tc=5.0 min CN=85 Runoff=1.63 cfs 5,051 cf
Subcatchment 6: 6P	Runoff Area=83,702 sf 29.13% Impervious Runoff Depth>1.47" Tc=5.0 min CN=81 Runoff=3.30 cfs 10,239 cf
Subcatchment 7: 7P	Runoff Area=38,003 sf 53.71% Impervious Runoff Depth>1.91" Tc=5.0 min CN=87 Runoff=1.96 cfs 6,060 cf
Subcatchment 8: 8P	Runoff Area=6,519 sf 80.29% Impervious Runoff Depth>2.44" Tc=5.0 min CN=93 Runoff=0.42 cfs 1,328 cf
Subcatchment 9: 9P	Runoff Area=9,494 sf 87.37% Impervious Runoff Depth>2.64" Tc=5.0 min CN=95 Runoff=0.64 cfs 2,091 cf
Subcatchment 10: 10P	Runoff Area=95,555 sf 24.86% Impervious Runoff Depth>1.40" Tc=5.0 min CN=80 Runoff=3.58 cfs 11,155 cf
Subcatchment 11: 11P	Runoff Area=42,628 sf 0.36% Impervious Runoff Depth>1.04" Tc=5.0 min CN=74 Runoff=1.14 cfs 3,682 cf
Subcatchment 24S: Lot 15	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>2.97" Tc=5.0 min CN=98 Runoff=0.11 cfs 371 cf
Subcatchment 40S: Lot 13 house-Lawn	Runoff Area=14,500 sf 10.34% Impervious Runoff Depth>1.15" Tc=5.0 min CN=76 Runoff=0.44 cfs 1,391 cf
Subcatchment 41S: Lot 12	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>2.97" Tc=5.0 min CN=98 Runoff=0.11 cfs 371 cf

Subcatchment42S: Lot 11	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>2.97" Tc=5.0 min CN=98 Runoff=0.11 cfs 371 cf
Subcatchment43S: Lot 14	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>2.97" Tc=5.0 min CN=98 Runoff=0.11 cfs 371 cf
Subcatchment44S: Lot 16	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>2.97" Tc=5.0 min CN=98 Runoff=0.11 cfs 371 cf
Subcatchment45S: Lot 10	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>2.97" Tc=5.0 min CN=98 Runoff=0.11 cfs 371 cf
Subcatchment46S: Lot 8	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>2.97" Tc=5.0 min CN=98 Runoff=0.11 cfs 371 cf
Subcatchment47S: Lot 9	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>2.97" Tc=5.0 min CN=98 Runoff=0.11 cfs 371 cf
Subcatchment49S: Lot 7	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>2.97" Tc=5.0 min CN=98 Runoff=0.11 cfs 371 cf
Reach 1R: 18" RCP	Avg. Flow Depth=0.08' Max Vel=2.13 fps Inflow=0.08 cfs 280 cf 18.0" Round Pipe n=0.013 L=60.0' S=0.0167 '/' Capacity=13.56 cfs Outflow=0.08 cfs 280 cf
Reach 2R: 24" RCP	Avg. Flow Depth=0.72' Max Vel=5.02 fps Inflow=5.07 cfs 16,588 cf 24.0" Round Pipe n=0.013 L=30.0' S=0.0067 '/' Capacity=18.47 cfs Outflow=5.06 cfs 16,586 cf
Reach 3R: 21" RCP	Avg. Flow Depth=0.65' Max Vel=3.97 fps Inflow=3.20 cfs 10,495 cf 21.0" Round Pipe n=0.013 L=120.0' S=0.0048 '/' Capacity=11.02 cfs Outflow=3.15 cfs 10,489 cf
Reach 4R: 12" RCP	Avg. Flow Depth=0.31' Max Vel=2.25 fps Inflow=0.47 cfs 1,521 cf 12.0" Round Pipe n=0.013 L=240.0' S=0.0040 '/' Capacity=2.25 cfs Outflow=0.44 cfs 1,518 cf
Reach 5R: Overflow	Inflow=0.00 cfs 0 cf Outflow=0.00 cfs 0 cf
Reach 6R: 21" RCP	Avg. Flow Depth=0.57' Max Vel=5.30 fps Inflow=3.58 cfs 11,155 cf 21.0" Round Pipe n=0.013 L=25.0' S=0.0100 '/' Capacity=15.85 cfs Outflow=3.57 cfs 11,154 cf
Reach 7R: 18" RCP	Avg. Flow Depth=0.00' Max Vel=0.00 fps Inflow=0.00 cfs 0 cf 18.0" Round Pipe n=0.013 L=60.0' S=0.0333 '/' Capacity=19.18 cfs Outflow=0.00 cfs 0 cf
Reach 8R: 18" RCP	Avg. Flow Depth=0.49' Max Vel=3.95 fps Inflow=1.96 cfs 6,060 cf 18.0" Round Pipe n=0.013 L=170.0' S=0.0068 '/' Capacity=8.64 cfs Outflow=1.91 cfs 6,056 cf
Reach 9R: 18" RCP	Avg. Flow Depth=0.49' Max Vel=3.81 fps Inflow=1.91 cfs 6,056 cf 18.0" Round Pipe n=0.013 L=45.0' S=0.0062 '/' Capacity=8.29 cfs Outflow=1.89 cfs 6,055 cf
Reach 10R: 24" RCP	Avg. Flow Depth=0.79' Max Vel=5.81 fps Inflow=6.70 cfs 21,337 cf 24.0" Round Pipe n=0.013 L=100.0' S=0.0081 '/' Capacity=20.36 cfs Outflow=6.62 cfs 21,330 cf
Reach 11R: 15" RCP	Avg. Flow Depth=0.43' Max Vel=4.42 fps Inflow=1.63 cfs 5,051 cf 15.0" Round Pipe n=0.013 L=250.0' S=0.0102 '/' Capacity=6.52 cfs Outflow=1.58 cfs 5,046 cf

Reach 12R: 24" RCP Avg. Flow Depth=0.76' Max Vel=6.34 fps Inflow=6.97 cfs 22,655 cf
24.0" Round Pipe n=0.013 L=20.0' S=0.0100 '/ Capacity=22.62 cfs Outflow=6.95 cfs 22,654 cf

Reach 13R: 12" RCP Avg. Flow Depth=0.26' Max Vel=2.57 fps Inflow=0.42 cfs 1,328 cf
12.0" Round Pipe n=0.013 L=260.0' S=0.0063 '/ Capacity=2.84 cfs Outflow=0.39 cfs 1,326 cf

Reach 14R: 21" RCP Avg. Flow Depth=0.45' Max Vel=3.82 fps Inflow=1.86 cfs 3,713 cf
21.0" Round Pipe n=0.013 L=30.0' S=0.0067 '/ Capacity=12.94 cfs Outflow=1.87 cfs 3,713 cf

Reach 15R: Overflow Inflow=0.00 cfs 0 cf
Outflow=0.00 cfs 0 cf

Reach 17R: Overflow Inflow=0.97 cfs 3,337 cf
Outflow=0.97 cfs 3,337 cf

Reach 40R: 21" RCP Avg. Flow Depth=0.23' Max Vel=2.27 fps Inflow=0.43 cfs 1,518 cf
21.0" Round Pipe n=0.013 L=135.0' S=0.0051 '/ Capacity=11.33 cfs Outflow=0.42 cfs 1,517 cf

Reach 41R: 21" RCP Avg. Flow Depth=0.23' Max Vel=2.29 fps Inflow=0.44 cfs 1,518 cf
21.0" Round Pipe n=0.013 L=40.0' S=0.0052 '/ Capacity=11.48 cfs Outflow=0.43 cfs 1,518 cf

Reach 42R: 21" RCP Avg. Flow Depth=0.57' Max Vel=5.31 fps Inflow=3.57 cfs 11,154 cf
21.0" Round Pipe n=0.013 L=55.0' S=0.0100 '/ Capacity=15.85 cfs Outflow=3.55 cfs 11,151 cf

Reach 43R: 12" RCP Avg. Flow Depth=0.26' Max Vel=2.44 fps Inflow=0.39 cfs 1,326 cf
12.0" Round Pipe n=0.013 L=95.0' S=0.0058 '/ Capacity=2.71 cfs Outflow=0.38 cfs 1,325 cf

Reach 45R: 21" RCP Avg. Flow Depth=0.66' Max Vel=6.21 fps Inflow=5.15 cfs 16,294 cf
21.0" Round Pipe n=0.013 L=50.0' S=0.0116 '/ Capacity=17.07 cfs Outflow=5.13 cfs 16,291 cf

Reach 63R: Overflow Inflow=0.00 cfs 0 cf
Outflow=0.00 cfs 0 cf

Reach DCP1: DESIGN POINT #1 Inflow=0.08 cfs 280 cf
Outflow=0.08 cfs 280 cf

Reach DCP2: DESIGN POINT #2 Inflow=1.77 cfs 5,774 cf
Outflow=1.77 cfs 5,774 cf

Reach DCP3: DESIGN POINT #3 Inflow=4.06 cfs 19,412 cf
Outflow=4.06 cfs 19,412 cf

Pond 1P: POND #1 Peak Elev=96.62' Storage=4,274 cf Inflow=5.06 cfs 16,586 cf
Discarded=1.02 cfs 16,572 cf Primary=0.02 cfs 10 cf Outflow=1.04 cfs 16,581 cf

Pond 2P: POND #2 Peak Elev=94.78' Storage=2,167 cf Inflow=3.55 cfs 11,151 cf
Discarded=0.98 cfs 11,148 cf Primary=0.00 cfs 0 cf Outflow=0.98 cfs 11,148 cf

Pond 3P: POND #3 Peak Elev=95.23' Storage=7,487 cf Inflow=7.38 cfs 24,045 cf
Discarded=0.73 cfs 20,309 cf Primary=1.86 cfs 3,713 cf Outflow=2.59 cfs 24,022 cf

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Type III 24-hr 2 Year Event Rainfall=3.20"

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Pond PE: Exist. infiltration

Peak Elev=91.26' Storage=156 cf Inflow=0.24 cfs 816 cf
Discarded=0.08 cfs 815 cf Primary=0.00 cfs 0 cf Outflow=0.08 cfs 815 cf

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year **Link** Primary Outflow Imported from **NORTHSIDE FARM** one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year ~~Link~~ Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

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Type III 24-hr 2 Year Event Rainfall=3.20"

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2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

2 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

Summary for Subcatchment 1B: Ex. Bank Roof

Runoff = 0.24 cfs @ 12.07 hrs, Volume= 816 cf, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 3,300	98	Bank Roof
3,300		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIRECT

Summary for Subcatchment 2: 2P

Runoff = 2.88 cfs @ 12.08 hrs, Volume= 8,978 cf, Depth> 1.40"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,675	98	Exisitng houses
56,411	74	>75% Grass cover, Good, HSG C
* 17,914	98	Roadway
* 913	98	Sidewalks
76,913	80	Weighted Average
56,411		73.34% Pervious Area
20,502		26.66% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 2B: Ex. Bank Parking Lot

Runoff = 1.96 cfs @ 12.08 hrs, Volume= 6,099 cf, Depth> 2.00"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
22,000	98	Paved parking & roofs
14,670	74	>75% Grass cover, Good, HSG C
36,670	88	Weighted Average
14,670		40.01% Pervious Area
22,000		59.99% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, direct

Summary for Subcatchment 3: 3P

Runoff = 0.47 cfs @ 12.07 hrs, Volume= 1,521 cf, Depth> 2.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,158	98	sidewalks
* 4,881	98	Roadway
* 1,138	74	Lawn
7,177	94	Weighted Average
1,138		15.86% Pervious Area
6,039		84.14% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 3B: Ex. Landscape

Runoff = 0.08 cfs @ 12.09 hrs, Volume= 270 cf, Depth> 1.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
3,128	74	>75% Grass cover, Good, HSG C
3,128		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 4P: 7

Runoff = 3.19 cfs @ 12.16 hrs, Volume= 12,363 cf, Depth> 1.03"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

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Type III 24-hr 2 Year Event Rainfall=3.20"

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Area (sf)	CN	Description
* 2,871	98	exisitng houses
76,300	74	>75% Grass cover, Good, HSG C
64,170	73	Woods, Fair, HSG C
143,341	74	Weighted Average
140,470		98.00% Pervious Area
2,871		2.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.4	50	0.0100	0.11		Sheet Flow, Sheet flow Grass: Short n= 0.150 P2= 3.20"
3.3	450	0.0200	2.28		Shallow Concentrated Flow, Shallow Unpaved Kv= 16.1 fps
0.1	350	1.0000	47.18	283.08	Channel Flow, River Flow Area= 6.0 sf Perim= 8.0' r= 0.75' n= 0.026 Earth, clean & winding
10.8	850	Total			

Summary for Subcatchment 5: 5P

Runoff = 1.63 cfs @ 12.08 hrs, Volume= 5,051 cf, Depth> 1.76"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 13,584	98	roadway
* 2,131	98	sidewalk
* 18,793	74	lawn
34,508	85	Weighted Average
18,793		54.46% Pervious Area
15,715		45.54% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 6: 6P

Runoff = 3.30 cfs @ 12.08 hrs, Volume= 10,239 cf, Depth> 1.47"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

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Type III 24-hr 2 Year Event Rainfall=3.20"

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	Area (sf)	CN	Description
*	24,384	98	Roadway
*	3,217	74	Sidewalk
*	56,101	74	Lawn
	83,702	81	Weighted Average
	59,318		70.87% Pervious Area
	24,384		29.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 7: 7P

Runoff = 1.96 cfs @ 12.08 hrs, Volume= 6,060 cf, Depth> 1.91"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

	Area (sf)	CN	Description
*	18,289	98	Roadway
*	2,124	98	Sidewalks
*	17,590	74	lawn
	38,003	87	Weighted Average
	17,590		46.29% Pervious Area
	20,413		53.71% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 8: 8P

Runoff = 0.42 cfs @ 12.07 hrs, Volume= 1,328 cf, Depth> 2.44"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

	Area (sf)	CN	Description
*	4,366	98	roadway
*	868	98	sidewalks
*	1,285	74	Lawn
	6,519	93	Weighted Average
	1,285		19.71% Pervious Area
	5,234		80.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 9: 9P

Runoff = 0.64 cfs @ 12.07 hrs, Volume= 2,091 cf, Depth> 2.64"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 7,082	98	rdwy
* 1,213	98	sidewalks
* 1,199	74	grass
9,494	95	Weighted Average
1,199		12.63% Pervious Area
8,295		87.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 10: 10P

Runoff = 3.58 cfs @ 12.08 hrs, Volume= 11,155 cf, Depth> 1.40"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,136	98	existing houses
* 2,378	98	sidewalks
* 20,243	98	Roadway
* 71,798	74	Lawn
95,555	80	Weighted Average
71,798		75.14% Pervious Area
23,757		24.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 11: 11P

Runoff = 1.14 cfs @ 12.09 hrs, Volume= 3,682 cf, Depth> 1.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 2 Year Event Rainfall=3.20"

	Area (sf)	CN	Description
*	42,474	74	Lawn
*	154	98	Exist House
	42,628	74	Weighted Average
	42,474		99.64% Pervious Area
	154		0.36% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 24S: Lot 15

Runoff = 0.11 cfs @ 12.07 hrs, Volume= 371 cf, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 40S: Lot 13 house-Lawn

Runoff = 0.44 cfs @ 12.08 hrs, Volume= 1,391 cf, Depth> 1.15"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

	Area (sf)	CN	Description
*	1,500	98	House
*	13,000	74	Lawn
	14,500	76	Weighted Average
	13,000		89.66% Pervious Area
	1,500		10.34% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 41S: Lot 12

Runoff = 0.11 cfs @ 12.07 hrs, Volume= 371 cf, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 42S: Lot 11

Runoff = 0.11 cfs @ 12.07 hrs, Volume= 371 cf, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 43S: Lot 14

Runoff = 0.11 cfs @ 12.07 hrs, Volume= 371 cf, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 44S: Lot 16

Runoff = 0.11 cfs @ 12.07 hrs, Volume= 371 cf, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 45S: Lot 10

Runoff = 0.11 cfs @ 12.07 hrs, Volume= 371 cf, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 46S: Lot 8

Runoff = 0.11 cfs @ 12.07 hrs, Volume= 371 cf, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 47S: Lot 9

Runoff = 0.11 cfs @ 12.07 hrs, Volume= 371 cf, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 49S: Lot 7

Runoff = 0.11 cfs @ 12.07 hrs, Volume= 371 cf, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 2 Year Event Rainfall=3.20"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

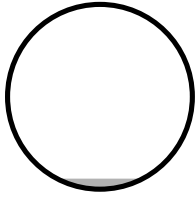
Summary for Reach 1R: 18" RCP

Inflow Area = 134,688 sf, 44.06% Impervious, Inflow Depth > 0.02" for 2 Year Event event
Inflow = 0.08 cfs @ 12.09 hrs, Volume= 280 cf
Outflow = 0.08 cfs @ 12.10 hrs, Volume= 280 cf, Atten= 2%, Lag= 0.8 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.13 fps, Min. Travel Time= 0.5 min
Avg. Velocity = 0.86 fps, Avg. Travel Time= 1.2 min

Peak Storage= 2 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.08'
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 13.56 cfs

18.0" Round Pipe
n= 0.013
Length= 60.0' Slope= 0.0167 '
Inlet Invert= 94.00', Outlet Invert= 93.00'

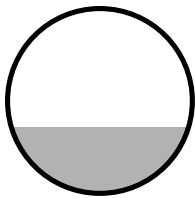
**Summary for Reach 2R: 24" RCP**

Inflow Area = 128,260 sf, 43.69% Impervious, Inflow Depth > 1.55" for 2 Year Event event
Inflow = 5.07 cfs @ 12.09 hrs, Volume= 16,588 cf
Outflow = 5.06 cfs @ 12.10 hrs, Volume= 16,586 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 5.02 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.60 fps, Avg. Travel Time= 0.3 min

Peak Storage= 30 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.72'
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 18.47 cfs

24.0" Round Pipe
n= 0.013
Length= 30.0' Slope= 0.0067 '/'
Inlet Invert= 95.65', Outlet Invert= 95.45'

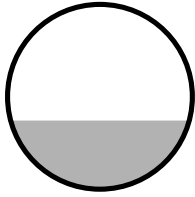
**Summary for Reach 3R: 21" RCP**

Inflow Area = 91,590 sf, 37.17% Impervious, Inflow Depth > 1.38" for 2 Year Event event
Inflow = 3.20 cfs @ 12.09 hrs, Volume= 10,495 cf
Outflow = 3.15 cfs @ 12.10 hrs, Volume= 10,489 cf, Atten= 1%, Lag= 0.9 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 3.97 fps, Min. Travel Time= 0.5 min
Avg. Velocity = 1.26 fps, Avg. Travel Time= 1.6 min

Peak Storage= 97 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.65'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.02 cfs

21.0" Round Pipe
n= 0.013
Length= 120.0' Slope= 0.0048 '/'
Inlet Invert= 96.23', Outlet Invert= 95.65'

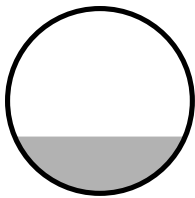
**Summary for Reach 4R: 12" RCP**

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 2.54" for 2 Year Event event
Inflow = 0.47 cfs @ 12.07 hrs, Volume= 1,521 cf
Outflow = 0.44 cfs @ 12.13 hrs, Volume= 1,518 cf, Atten= 8%, Lag= 3.4 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.25 fps, Min. Travel Time= 1.8 min
Avg. Velocity = 0.75 fps, Avg. Travel Time= 5.3 min

Peak Storage= 49 cf @ 12.10 hrs
Average Depth at Peak Storage= 0.31'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.25 cfs

12.0" Round Pipe
n= 0.013
Length= 240.0' Slope= 0.0040 '/
Inlet Invert= 98.01', Outlet Invert= 97.05'

**Summary for Reach 5R: Overflow**

Inflow Area = 10,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 6R: 21" RCP

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 1.26" for 2 Year Event event
Inflow = 3.58 cfs @ 12.08 hrs, Volume= 11,155 cf
Outflow = 3.57 cfs @ 12.08 hrs, Volume= 11,154 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 5.30 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.98 fps, Avg. Travel Time= 0.2 min

Peak Storage= 17 cf @ 12.08 hrs

Average Depth at Peak Storage= 0.57'

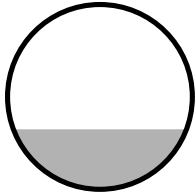
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 15.85 cfs

21.0" Round Pipe

n= 0.013

Length= 25.0' Slope= 0.0100 '/'

Inlet Invert= 95.00', Outlet Invert= 94.75'



Summary for Reach 7R: 18" RCP

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth = 0.00" for 2 Year Event event

Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 0.00 fps, Min. Travel Time= 0.0 min

Avg. Velocity = 0.00 fps, Avg. Travel Time= 0.0 min

Peak Storage= 0 cf @ 0.00 hrs

Average Depth at Peak Storage= 0.00'

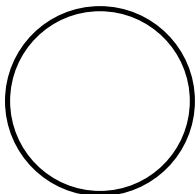
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 19.18 cfs

18.0" Round Pipe

n= 0.013

Length= 60.0' Slope= 0.0333 '/'

Inlet Invert= 92.00', Outlet Invert= 90.00'



Summary for Reach 8R: 18" RCP

Inflow Area = 38,003 sf, 53.71% Impervious, Inflow Depth > 1.91" for 2 Year Event event

Inflow = 1.96 cfs @ 12.08 hrs, Volume= 6,060 cf

Outflow = 1.91 cfs @ 12.10 hrs, Volume= 6,056 cf, Atten= 2%, Lag= 1.4 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 3.95 fps, Min. Travel Time= 0.7 min

Avg. Velocity = 1.38 fps, Avg. Travel Time= 2.1 min

Peak Storage= 84 cf @ 12.09 hrs

Average Depth at Peak Storage= 0.49'

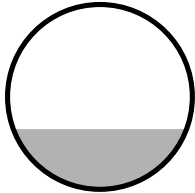
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 8.64 cfs

18.0" Round Pipe

n= 0.013

Length= 170.0' Slope= 0.0068 '/'

Inlet Invert= 95.62', Outlet Invert= 94.47'



Summary for Reach 9R: 18" RCP

Inflow Area = 38,003 sf, 53.71% Impervious, Inflow Depth > 1.91" for 2 Year Event event

Inflow = 1.91 cfs @ 12.10 hrs, Volume= 6,056 cf

Outflow = 1.89 cfs @ 12.10 hrs, Volume= 6,055 cf, Atten= 1%, Lag= 0.3 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 3.81 fps, Min. Travel Time= 0.2 min

Avg. Velocity= 1.34 fps, Avg. Travel Time= 0.6 min

Peak Storage= 23 cf @ 12.10 hrs

Average Depth at Peak Storage= 0.49'

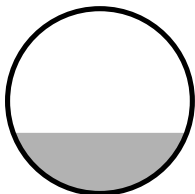
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 8.29 cfs

18.0" Round Pipe

n= 0.013

Length= 45.0' Slope= 0.0062 '/'

Inlet Invert= 94.47', Outlet Invert= 94.19'



Summary for Reach 10R: 24" RCP

Inflow Area = 169,713 sf, 43.61% Impervious, Inflow Depth > 1.51" for 2 Year Event event

Inflow = 6.70 cfs @ 12.10 hrs, Volume= 21,337 cf

Outflow = 6.62 cfs @ 12.10 hrs, Volume= 21,330 cf, Atten= 1%, Lag= 0.4 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 5.81 fps, Min. Travel Time= 0.3 min

Avg. Velocity= 2.04 fps, Avg. Travel Time= 0.8 min

Peak Storage= 115 cf @ 12.10 hrs

Average Depth at Peak Storage= 0.79'

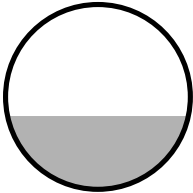
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 20.36 cfs

24.0" Round Pipe

n= 0.013

Length= 100.0' Slope= 0.0081 '/'

Inlet Invert= 93.61', Outlet Invert= 92.80'

**Summary for Reach 11R: 15" RCP**

Inflow Area = 36,008 sf, 47.81% Impervious, Inflow Depth > 1.68" for 2 Year Event event

Inflow = 1.63 cfs @ 12.08 hrs, Volume= 5,051 cf

Outflow = 1.58 cfs @ 12.11 hrs, Volume= 5,046 cf, Atten= 4%, Lag= 1.7 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 4.42 fps, Min. Travel Time= 0.9 min

Avg. Velocity = 1.58 fps, Avg. Travel Time= 2.6 min

Peak Storage= 92 cf @ 12.09 hrs

Average Depth at Peak Storage= 0.43'

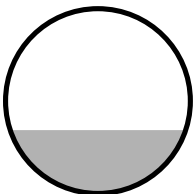
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 6.52 cfs

15.0" Round Pipe

n= 0.013

Length= 250.0' Slope= 0.0102 '/'

Inlet Invert= 96.16', Outlet Invert= 93.61'

**Summary for Reach 12R: 24" RCP**

Inflow Area = 176,232 sf, 44.97% Impervious, Inflow Depth > 1.54" for 2 Year Event event

Inflow = 6.97 cfs @ 12.11 hrs, Volume= 22,655 cf

Outflow = 6.95 cfs @ 12.11 hrs, Volume= 22,654 cf, Atten= 0%, Lag= 0.1 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 6.34 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 2.04 fps, Avg. Travel Time= 0.2 min

Peak Storage= 22 cf @ 12.11 hrs

Average Depth at Peak Storage= 0.76'

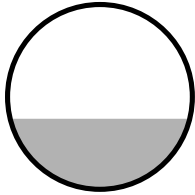
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 22.62 cfs

24.0" Round Pipe

n= 0.013

Length= 20.0' Slope= 0.0100 '/'

Inlet Invert= 92.80', Outlet Invert= 92.60'



Summary for Reach 13R: 12" RCP

Inflow Area = 6,519 sf, 80.29% Impervious, Inflow Depth > 2.44" for 2 Year Event event

Inflow = 0.42 cfs @ 12.07 hrs, Volume= 1,328 cf

Outflow = 0.39 cfs @ 12.13 hrs, Volume= 1,326 cf, Atten= 7%, Lag= 3.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 2.57 fps, Min. Travel Time= 1.7 min

Avg. Velocity = 0.85 fps, Avg. Travel Time= 5.1 min

Peak Storage= 41 cf @ 12.10 hrs

Average Depth at Peak Storage= 0.26'

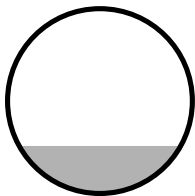
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.84 cfs

12.0" Round Pipe

n= 0.013

Length= 260.0' Slope= 0.0063 '/'

Inlet Invert= 95.00', Outlet Invert= 93.35'



Summary for Reach 14R: 21" RCP

Inflow Area = 190,732 sf, 42.33% Impervious, Inflow Depth = 0.23" for 2 Year Event event

Inflow = 1.86 cfs @ 12.43 hrs, Volume= 3,713 cf

Outflow = 1.87 cfs @ 12.42 hrs, Volume= 3,713 cf, Atten= 0%, Lag= 0.0 min

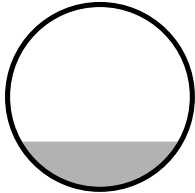
Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 3.82 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 2.31 fps, Avg. Travel Time= 0.2 min

Peak Storage= 15 cf @ 12.42 hrs
Average Depth at Peak Storage= 0.45'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 12.94 cfs

21.0" Round Pipe
n= 0.013
Length= 30.0' Slope= 0.0067 '/'
Inlet Invert= 92.20', Outlet Invert= 92.00'

**Summary for Reach 15R: Overflow**

Inflow Area = 7,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 17R: Overflow

Inflow Area = 13,500 sf, 100.00% Impervious, Inflow Depth > 2.97" for 2 Year Event event
Inflow = 0.97 cfs @ 12.07 hrs, Volume= 3,337 cf
Outflow = 0.97 cfs @ 12.07 hrs, Volume= 3,337 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

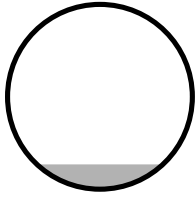
Summary for Reach 40R: 21" RCP

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 2.54" for 2 Year Event event
Inflow = 0.43 cfs @ 12.14 hrs, Volume= 1,518 cf
Outflow = 0.42 cfs @ 12.17 hrs, Volume= 1,517 cf, Atten= 3%, Lag= 1.6 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.27 fps, Min. Travel Time= 1.0 min
Avg. Velocity= 0.77 fps, Avg. Travel Time= 2.9 min

Peak Storage= 26 cf @ 12.15 hrs
Average Depth at Peak Storage= 0.23'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.33 cfs

21.0" Round Pipe
n= 0.013
Length= 135.0' Slope= 0.0051 '/'
Inlet Invert= 96.92', Outlet Invert= 96.23'

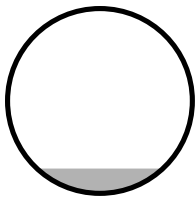
**Summary for Reach 41R: 21" RCP**

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 2.54" for 2 Year Event event
Inflow = 0.44 cfs @ 12.13 hrs, Volume= 1,518 cf
Outflow = 0.43 cfs @ 12.14 hrs, Volume= 1,518 cf, Atten= 1%, Lag= 0.5 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.29 fps, Min. Travel Time= 0.3 min
Avg. Velocity = 0.78 fps, Avg. Travel Time= 0.9 min

Peak Storage= 8 cf @ 12.13 hrs
Average Depth at Peak Storage= 0.23'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.48 cfs

21.0" Round Pipe
n= 0.013
Length= 40.0' Slope= 0.0052 '/
Inlet Invert= 97.13', Outlet Invert= 96.92'

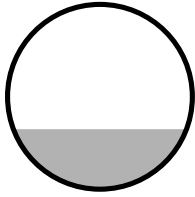
**Summary for Reach 42R: 21" RCP**

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 1.26" for 2 Year Event event
Inflow = 3.57 cfs @ 12.08 hrs, Volume= 11,154 cf
Outflow = 3.55 cfs @ 12.09 hrs, Volume= 11,151 cf, Atten= 0%, Lag= 0.3 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 5.31 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 1.98 fps, Avg. Travel Time= 0.5 min

Peak Storage= 37 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.57'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 15.85 cfs

21.0" Round Pipe
n= 0.013
Length= 55.0' Slope= 0.0100 '/
Inlet Invert= 94.65', Outlet Invert= 94.10'

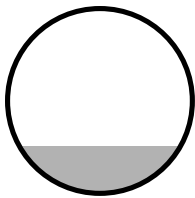
**Summary for Reach 43R: 12" RCP**

Inflow Area = 6,519 sf, 80.29% Impervious, Inflow Depth > 2.44" for 2 Year Event event
Inflow = 0.39 cfs @ 12.13 hrs, Volume= 1,326 cf
Outflow = 0.38 cfs @ 12.15 hrs, Volume= 1,325 cf, Atten= 2%, Lag= 1.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.44 fps, Min. Travel Time= 0.6 min
Avg. Velocity = 0.83 fps, Avg. Travel Time= 1.9 min

Peak Storage= 15 cf @ 12.14 hrs
Average Depth at Peak Storage= 0.26'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.71 cfs

12.0" Round Pipe
n= 0.013
Length= 95.0' Slope= 0.0058 '/
Inlet Invert= 93.35', Outlet Invert= 92.80'

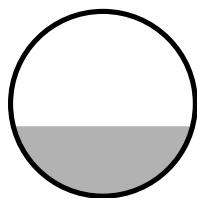
**Summary for Reach 45R: 21" RCP**

Inflow Area = 133,705 sf, 42.48% Impervious, Inflow Depth > 1.46" for 2 Year Event event
Inflow = 5.15 cfs @ 12.09 hrs, Volume= 16,294 cf
Outflow = 5.13 cfs @ 12.09 hrs, Volume= 16,291 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 6.21 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.18 fps, Avg. Travel Time= 0.4 min

Peak Storage= 42 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.66'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 17.07 cfs

21.0" Round Pipe
n= 0.013
Length= 50.0' Slope= 0.0116 '/
Inlet Invert= 94.19', Outlet Invert= 93.61'



Summary for Reach 63R: Overflow

Inflow Area = 7,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
 Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP1: DESIGN POINT #1

Inflow Area = 240,743 sf, 38.88% Impervious, Inflow Depth > 0.01" for 2 Year Event event
 Inflow = 0.08 cfs @ 12.10 hrs, Volume= 280 cf
 Outflow = 0.08 cfs @ 12.10 hrs, Volume= 280 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP2: DESIGN POINT #2

Inflow Area = 59,622 sf, 26.75% Impervious, Inflow Depth > 1.16" for 2 Year Event event
 Inflow = 1.77 cfs @ 12.08 hrs, Volume= 5,774 cf
 Outflow = 1.77 cfs @ 12.08 hrs, Volume= 5,774 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP3: DESIGN POINT #3

Inflow Area = 347,573 sf, 27.94% Impervious, Inflow Depth > 0.67" for 2 Year Event event
 Inflow = 4.06 cfs @ 12.32 hrs, Volume= 19,412 cf
 Outflow = 4.06 cfs @ 12.32 hrs, Volume= 19,412 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Pond 1P: POND #1

Inflow Area = 128,260 sf, 43.69% Impervious, Inflow Depth > 1.55" for 2 Year Event event
 Inflow = 5.06 cfs @ 12.10 hrs, Volume= 16,586 cf
 Outflow = 1.04 cfs @ 12.56 hrs, Volume= 16,581 cf, Atten= 80%, Lag= 27.9 min
 Discarded = 1.02 cfs @ 11.80 hrs, Volume= 16,572 cf
 Primary = 0.02 cfs @ 12.56 hrs, Volume= 10 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 96.62' @ 12.56 hrs Surf.Area= 5,325 sf Storage= 4,274 cf

Plug-Flow detention time= 25.4 min calculated for 16,581 cf (100% of inflow)

Center-of-Mass det. time= 25.3 min (853.1 - 827.8)

Volume	Invert	Avail.Storage	Storage Description
#1	95.40'	4,699 cf	Custom Stage Data (Irregular) Listed below 18,638 cf Overall - 6,891 cf Embedded = 11,746 cf x 40.0% Voids
#2	95.90'	6,891 cf	StormTech SC-740 x 150 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
		11,590 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
95.40	5,325	292.0	0	0	5,325
98.90	5,325	292.0	18,638	18,638	6,347

Device	Routing	Invert	Outlet Devices
#1	Discarded	95.40'	8.270 in/hr Exfiltration over Surface area
#2	Primary	96.60'	1.3' long Sharp-Crested Rectangular Weir 2 End Contraction(s) 5.0' Crest Height

Discarded OutFlow Max=1.02 cfs @ 11.80 hrs HW=95.44' (Free Discharge)

↑**1=Exfiltration** (Exfiltration Controls 1.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.56 hrs HW=96.62' (Free Discharge)

↑**2=Sharp-Crested Rectangular Weir** (Weir Controls 0.02 cfs @ 0.51 fps)

Summary for Pond 2P: POND #2

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 1.26" for 2 Year Event event
 Inflow = 3.55 cfs @ 12.09 hrs, Volume= 11,151 cf
 Outflow = 0.98 cfs @ 11.90 hrs, Volume= 11,148 cf, Atten= 72%, Lag= 0.0 min
 Discarded = 0.98 cfs @ 11.90 hrs, Volume= 11,148 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 94.78' @ 12.47 hrs Surf.Area= 5,143 sf Storage= 2,167 cf

Plug-Flow detention time= 11.9 min calculated for 11,148 cf (100% of inflow)

Center-of-Mass det. time= 11.7 min (853.6 - 841.9)

Volume	Invert	Avail.Storage	Storage Description
#1	94.00'	4,866 cf	Custom Stage Data (Irregular) Listed below 18,001 cf Overall - 5,834 cf Embedded = 12,166 cf x 40.0% Voids
#2	94.50'	5,834 cf	StormTech SC-740 x 127 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
		10,701 cf	Total Available Storage

NORTHSIDE FARM PROP Rev 6-6-16

Type III 24-hr 2 Year Event Rainfall=3.20"

Prepared by Microsoft

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Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
94.00	5,143	340.0	0	0	5,143
97.50	5,143	340.0	18,001	18,001	6,333

Device	Routing	Invert	Outlet Devices
#1	Primary	94.80'	7.0" Vert. Orifice/Grate C= 0.600
#2	Discarded	94.00'	8.270 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.98 cfs @ 11.90 hrs HW=94.04' (Free Discharge)↑**2=Exfiltration** (Exfiltration Controls 0.98 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=94.00' (Free Discharge)↑**1=Orifice/Grate** (Controls 0.00 cfs)**Summary for Pond 3P: POND #3**

Inflow Area = 190,732 sf, 42.33% Impervious, Inflow Depth > 1.51" for 2 Year Event event
 Inflow = 7.38 cfs @ 12.11 hrs, Volume= 24,045 cf
 Outflow = 2.59 cfs @ 12.43 hrs, Volume= 24,022 cf, Atten= 65%, Lag= 19.3 min
 Discarded = 0.73 cfs @ 12.43 hrs, Volume= 20,309 cf
 Primary = 1.86 cfs @ 12.43 hrs, Volume= 3,713 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 95.23' @ 12.43 hrs Surf.Area= 3,717 sf Storage= 7,487 cf

Plug-Flow detention time= 78.4 min calculated for 23,972 cf (100% of inflow)
 Center-of-Mass det. time= 77.7 min (908.4 - 830.7)

Volume	Invert	Avail.Storage	Storage Description
#1	92.60'	15,169 cf	Custom Stage Data (Irregular) Listed below

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
92.60	1,856	237.0	0	0	1,856
93.00	2,259	255.0	822	822	2,568
94.00	2,890	264.0	2,568	3,390	3,021
95.00	3,557	280.0	3,218	6,607	3,765
96.00	4,269	295.0	3,908	10,515	4,509
97.00	5,050	313.0	4,654	15,169	5,432

Device	Routing	Invert	Outlet Devices
#1	Primary	94.80'	2.1' long Sharp-Crested Rectangular Weir 2 End Contraction(s) 3.0' Crest Height
#2	Discarded	92.60'	8.270 in/hr Exfiltration over Horizontal area Conductivity to Groundwater Elevation = 0.00'

Discarded OutFlow Max=0.73 cfs @ 12.43 hrs HW=95.22' (Free Discharge)↑**2=Exfiltration** (Controls 0.73 cfs)**Primary OutFlow** Max=1.85 cfs @ 12.43 hrs HW=95.22' (Free Discharge)↑**1=Sharp-Crested Rectangular Weir** (Weir Controls 1.85 cfs @ 2.16 fps)

Summary for Pond PE: Exist. infiltration

Inflow Area = 3,300 sf, 100.00% Impervious, Inflow Depth > 2.97" for 2 Year Event event
 Inflow = 0.24 cfs @ 12.07 hrs, Volume= 816 cf
 Outflow = 0.08 cfs @ 12.85 hrs, Volume= 815 cf, Atten= 67%, Lag= 46.8 min
 Discarded = 0.08 cfs @ 12.85 hrs, Volume= 815 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 91.26' @ 12.35 hrs Surf.Area= 408 sf Storage= 156 cf

Plug-Flow detention time= 12.4 min calculated for 814 cf (100% of inflow)
 Center-of-Mass det. time= 12.3 min (767.4 - 755.1)

Volume	Invert	Avail.Storage	Storage Description
#1	90.00'	320 cf	Custom Stage Data (Irregular) Listed below 800 cf Overall x 40.0% Voids
#2	91.00'	368 cf	StormTech SC-740 x 8 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
		688 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
90.00	200	60.0	0	0	200
94.00	200	60.0	800	800	440

Device	Routing	Invert	Outlet Devices
#1	Primary	93.50'	6.0" Vert. Orifice/Grate C= 0.600
#2	Discarded	90.00'	8.270 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.08 cfs @ 12.85 hrs HW=91.01' (Free Discharge)
 ↑**2=Exfiltration** (Exfiltration Controls 0.08 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=90.00' (Free Discharge)
 ↑**1=Orifice/Grate** (Controls 0.00 cfs)

Summary for Link 3A: Lot 3A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
 Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 4A: Lot 4a

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 5A: Lot 5

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 6a: Lot 6

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 17: Lot 17

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 18: Lot 18

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 19: Lot 19

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 20: Lot 20

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 21: Lot 21

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 22: Lot 22

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 23A: Lot 23A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 24A: Lot 24A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 25: Lot 25

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 26: Lot 26

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 27A: Lot 27A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 28A: Lot 28A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 29A: Lot 29A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 32: Lot 32

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 33: Lot 33

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 34: Lot 34

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 35: Lot 35

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 36: Lot 36

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 37: Lot 37

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 38: Lot 38

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 39: Lot 39

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 40L: Lot 4a

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 2 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

2 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points

Runoff by SCS TR-20 method, UH=SCS

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

Subcatchment 1B: Ex. Bank Roof	Runoff Area=3,300 sf 100.00% Impervious Runoff Depth>4.36" Tc=5.0 min CN=98 Runoff=0.34 cfs 1,199 cf
Subcatchment 2: 2P	Runoff Area=76,913 sf 26.66% Impervious Runoff Depth>2.55" Tc=5.0 min CN=80 Runoff=5.28 cfs 16,313 cf
Subcatchment 2B: Ex. Bank Parking Lot	Runoff Area=36,670 sf 59.99% Impervious Runoff Depth>3.29" Tc=5.0 min CN=88 Runoff=3.21 cfs 10,049 cf
Subcatchment 3: 3P	Runoff Area=7,177 sf 84.14% Impervious Runoff Depth>3.91" Tc=5.0 min CN=94 Runoff=0.71 cfs 2,340 cf
Subcatchment 3B: Ex. Landscape	Runoff Area=3,128 sf 0.00% Impervious Runoff Depth>2.05" Tc=5.0 min CN=74 Runoff=0.17 cfs 534 cf
Subcatchment 4P: 7	Runoff Area=143,341 sf 2.00% Impervious Runoff Depth>2.05" Flow Length=850' Tc=10.8 min CN=74 Runoff=6.61 cfs 24,430 cf
Subcatchment 5: 5P	Runoff Area=34,508 sf 45.54% Impervious Runoff Depth>3.00" Tc=5.0 min CN=85 Runoff=2.78 cfs 8,623 cf
Subcatchment 6: 6P	Runoff Area=83,702 sf 29.13% Impervious Runoff Depth>2.63" Tc=5.0 min CN=81 Runoff=5.94 cfs 18,365 cf
Subcatchment 7: 7P	Runoff Area=38,003 sf 53.71% Impervious Runoff Depth>3.19" Tc=5.0 min CN=87 Runoff=3.24 cfs 10,103 cf
Subcatchment 8: 8P	Runoff Area=6,519 sf 80.29% Impervious Runoff Depth>3.80" Tc=5.0 min CN=93 Runoff=0.64 cfs 2,066 cf
Subcatchment 9: 9P	Runoff Area=9,494 sf 87.37% Impervious Runoff Depth>4.02" Tc=5.0 min CN=95 Runoff=0.96 cfs 3,182 cf
Subcatchment 10: 10P	Runoff Area=95,555 sf 24.86% Impervious Runoff Depth>2.55" Tc=5.0 min CN=80 Runoff=6.56 cfs 20,267 cf
Subcatchment 11: 11P	Runoff Area=42,628 sf 0.36% Impervious Runoff Depth>2.05" Tc=5.0 min CN=74 Runoff=2.34 cfs 7,275 cf
Subcatchment 24S: Lot 15	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>4.36" Tc=5.0 min CN=98 Runoff=0.16 cfs 545 cf
Subcatchment 40S: Lot 13 house-Lawn	Runoff Area=14,500 sf 10.34% Impervious Runoff Depth>2.21" Tc=5.0 min CN=76 Runoff=0.86 cfs 2,668 cf
Subcatchment 41S: Lot 12	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>4.36" Tc=5.0 min CN=98 Runoff=0.16 cfs 545 cf

Subcatchment42S: Lot 11	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>4.36" Tc=5.0 min CN=98 Runoff=0.16 cfs 545 cf
Subcatchment43S: Lot 14	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>4.36" Tc=5.0 min CN=98 Runoff=0.16 cfs 545 cf
Subcatchment44S: Lot 16	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>4.36" Tc=5.0 min CN=98 Runoff=0.16 cfs 545 cf
Subcatchment45S: Lot 10	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>4.36" Tc=5.0 min CN=98 Runoff=0.16 cfs 545 cf
Subcatchment46S: Lot 8	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>4.36" Tc=5.0 min CN=98 Runoff=0.16 cfs 545 cf
Subcatchment47S: Lot 9	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>4.36" Tc=5.0 min CN=98 Runoff=0.16 cfs 545 cf
Subcatchment49S: Lot 7	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>4.36" Tc=5.0 min CN=98 Runoff=0.16 cfs 545 cf
Reach 1R: 18" RCP	Avg. Flow Depth=0.43' Max Vel=5.78 fps Inflow=2.40 cfs 5,616 cf 18.0" Round Pipe n=0.013 L=60.0' S=0.0167 '/' Capacity=13.56 cfs Outflow=2.40 cfs 5,616 cf
Reach 2R: 24" RCP	Avg. Flow Depth=0.98' Max Vel=5.81 fps Inflow=8.84 cfs 28,688 cf 24.0" Round Pipe n=0.013 L=30.0' S=0.0067 '/' Capacity=18.47 cfs Outflow=8.82 cfs 28,686 cf
Reach 3R: 21" RCP	Avg. Flow Depth=0.90' Max Vel=4.63 fps Inflow=5.78 cfs 18,648 cf 21.0" Round Pipe n=0.013 L=120.0' S=0.0048 '/' Capacity=11.02 cfs Outflow=5.71 cfs 18,639 cf
Reach 4R: 12" RCP	Avg. Flow Depth=0.38' Max Vel=2.52 fps Inflow=0.71 cfs 2,340 cf 12.0" Round Pipe n=0.013 L=240.0' S=0.0040 '/' Capacity=2.25 cfs Outflow=0.66 cfs 2,336 cf
Reach 5R: Overflow	Inflow=0.00 cfs 0 cf Outflow=0.00 cfs 0 cf
Reach 6R: 21" RCP	Avg. Flow Depth=0.79' Max Vel=6.24 fps Inflow=6.56 cfs 20,267 cf 21.0" Round Pipe n=0.013 L=25.0' S=0.0100 '/' Capacity=15.85 cfs Outflow=6.54 cfs 20,266 cf
Reach 7R: 18" RCP	Avg. Flow Depth=0.21' Max Vel=5.45 fps Inflow=0.85 cfs 2,443 cf 18.0" Round Pipe n=0.013 L=60.0' S=0.0333 '/' Capacity=19.18 cfs Outflow=0.85 cfs 2,443 cf
Reach 8R: 18" RCP	Avg. Flow Depth=0.64' Max Vel=4.52 fps Inflow=3.24 cfs 10,103 cf 18.0" Round Pipe n=0.013 L=170.0' S=0.0068 '/' Capacity=8.64 cfs Outflow=3.15 cfs 10,097 cf
Reach 9R: 18" RCP	Avg. Flow Depth=0.64' Max Vel=4.37 fps Inflow=3.15 cfs 10,097 cf 18.0" Round Pipe n=0.013 L=45.0' S=0.0062 '/' Capacity=8.29 cfs Outflow=3.13 cfs 10,096 cf
Reach 10R: 24" RCP	Avg. Flow Depth=1.09' Max Vel=6.70 fps Inflow=11.65 cfs 37,074 cf 24.0" Round Pipe n=0.013 L=100.0' S=0.0081 '/' Capacity=20.36 cfs Outflow=11.55 cfs 37,065 cf
Reach 11R: 15" RCP	Avg. Flow Depth=0.57' Max Vel=5.09 fps Inflow=2.78 cfs 8,623 cf 15.0" Round Pipe n=0.013 L=250.0' S=0.0102 '/' Capacity=6.52 cfs Outflow=2.69 cfs 8,616 cf

Reach 12R: 24" RCP Avg. Flow Depth=1.04' Max Vel=7.32 fps Inflow=12.09 cfs 39,127 cf
24.0" Round Pipe n=0.013 L=20.0' S=0.0100 '/ Capacity=22.62 cfs Outflow=12.07 cfs 39,126 cf

Reach 13R: 12" RCP Avg. Flow Depth=0.32' Max Vel=2.89 fps Inflow=0.64 cfs 2,066 cf
12.0" Round Pipe n=0.013 L=260.0' S=0.0063 '/ Capacity=2.84 cfs Outflow=0.59 cfs 2,064 cf

Reach 14R: 21" RCP Avg. Flow Depth=0.95' Max Vel=5.55 fps Inflow=7.38 cfs 15,033 cf
21.0" Round Pipe n=0.013 L=30.0' S=0.0067 '/ Capacity=12.94 cfs Outflow=7.38 cfs 15,033 cf

Reach 15R: Overflow Inflow=0.00 cfs 0 cf
Outflow=0.00 cfs 0 cf

Reach 17R: Overflow Inflow=1.40 cfs 4,907 cf
Outflow=1.40 cfs 4,907 cf

Reach 40R: 21" RCP Avg. Flow Depth=0.28' Max Vel=2.56 fps Inflow=0.65 cfs 2,336 cf
21.0" Round Pipe n=0.013 L=135.0' S=0.0051 '/ Capacity=11.33 cfs Outflow=0.64 cfs 2,334 cf

Reach 41R: 21" RCP Avg. Flow Depth=0.29' Max Vel=2.57 fps Inflow=0.66 cfs 2,336 cf
21.0" Round Pipe n=0.013 L=40.0' S=0.0052 '/ Capacity=11.48 cfs Outflow=0.65 cfs 2,336 cf

Reach 42R: 21" RCP Avg. Flow Depth=0.79' Max Vel=6.25 fps Inflow=6.54 cfs 20,266 cf
21.0" Round Pipe n=0.013 L=55.0' S=0.0100 '/ Capacity=15.85 cfs Outflow=6.52 cfs 20,263 cf

Reach 43R: 12" RCP Avg. Flow Depth=0.32' Max Vel=2.74 fps Inflow=0.59 cfs 2,064 cf
12.0" Round Pipe n=0.013 L=95.0' S=0.0058 '/ Capacity=2.71 cfs Outflow=0.58 cfs 2,063 cf

Reach 45R: 21" RCP Avg. Flow Depth=0.90' Max Vel=7.18 fps Inflow=9.01 cfs 28,461 cf
21.0" Round Pipe n=0.013 L=50.0' S=0.0116 '/ Capacity=17.07 cfs Outflow=8.98 cfs 28,458 cf

Reach 63R: Overflow Inflow=0.00 cfs 0 cf
Outflow=0.00 cfs 0 cf

Reach DCP1: DESIGN POINT #1 Inflow=3.23 cfs 8,059 cf
Outflow=3.23 cfs 8,059 cf

Reach DCP2: DESIGN POINT #2 Inflow=3.28 cfs 10,457 cf
Outflow=3.28 cfs 10,457 cf

Reach DCP3: DESIGN POINT #3 Inflow=14.25 cfs 44,371 cf
Outflow=14.25 cfs 44,371 cf

Pond 1P: POND #1 Peak Elev=97.32' Storage=7,114 cf Inflow=8.82 cfs 28,686 cf
Discarded=1.02 cfs 23,597 cf Primary=2.34 cfs 5,082 cf Outflow=3.36 cfs 28,679 cf

Pond 2P: POND #2 Peak Elev=95.53' Storage=5,081 cf Inflow=6.52 cfs 20,263 cf
Discarded=0.98 cfs 17,814 cf Primary=0.85 cfs 2,443 cf Outflow=1.83 cfs 20,257 cf

Pond 3P: POND #3 Peak Elev=95.90' Storage=10,111 cf Inflow=12.91 cfs 41,794 cf
Discarded=0.82 cfs 26,724 cf Primary=7.38 cfs 15,033 cf Outflow=8.20 cfs 41,758 cf

NORTHSIDE FARM PROP Rev 6-6-16*Type III 24-hr 10 Year Event Rainfall=4.60"*

Prepared by Microsoft

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Pond PE: Exist. infiltration

Peak Elev=91.73' Storage=289 cf Inflow=0.34 cfs 1,199 cf

Discarded=0.08 cfs 1,199 cf Primary=0.00 cfs 0 cf Outflow=0.08 cfs 1,199 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

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Type III 24-hr 10 Year Event Rainfall=4.60"

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10 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year **Event** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year **Event** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

10 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

Summary for Subcatchment 1B: Ex. Bank Roof

Runoff = 0.34 cfs @ 12.07 hrs, Volume= 1,199 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	3,300	98	Bank Roof
	3,300		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIRECT

Summary for Subcatchment 2: 2P

Runoff = 5.28 cfs @ 12.08 hrs, Volume= 16,313 cf, Depth> 2.55"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	1,675	98	Exisitng houses
	56,411	74	>75% Grass cover, Good, HSG C
*	17,914	98	Roadway
*	913	98	Sidewalks
	76,913	80	Weighted Average
	56,411		73.34% Pervious Area
	20,502		26.66% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 2B: Ex. Bank Parking Lot

Runoff = 3.21 cfs @ 12.07 hrs, Volume= 10,049 cf, Depth> 3.29"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
	22,000	98	Paved parking & roofs
	14,670	74	>75% Grass cover, Good, HSG C
	36,670	88	Weighted Average
	14,670		40.01% Pervious Area
	22,000		59.99% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, direct

Summary for Subcatchment 3: 3P

Runoff = 0.71 cfs @ 12.07 hrs, Volume= 2,340 cf, Depth> 3.91"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
* 1,158	98	sidewalks
* 4,881	98	Roadway
* 1,138	74	Lawn
7,177	94	Weighted Average
1,138		15.86% Pervious Area
6,039		84.14% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 3B: Ex. Landscape

Runoff = 0.17 cfs @ 12.08 hrs, Volume= 534 cf, Depth> 2.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
3,128	74	>75% Grass cover, Good, HSG C
3,128		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 4P: 7

Runoff = 6.61 cfs @ 12.16 hrs, Volume= 24,430 cf, Depth> 2.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
* 2,871	98	exisitng houses
76,300	74	>75% Grass cover, Good, HSG C
64,170	73	Woods, Fair, HSG C
143,341	74	Weighted Average
140,470		98.00% Pervious Area
2,871		2.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.4	50	0.0100	0.11		Sheet Flow, Sheet flow Grass: Short n= 0.150 P2= 3.20"
3.3	450	0.0200	2.28		Shallow Concentrated Flow, Shallow Unpaved Kv= 16.1 fps
0.1	350	1.0000	47.18	283.08	Channel Flow, River Flow Area= 6.0 sf Perim= 8.0' r= 0.75' n= 0.026 Earth, clean & winding
10.8	850	Total			

Summary for Subcatchment 5: 5P

Runoff = 2.78 cfs @ 12.07 hrs, Volume= 8,623 cf, Depth> 3.00"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
* 13,584	98	roadway
* 2,131	98	sidewalk
* 18,793	74	lawn
34,508	85	Weighted Average
18,793		54.46% Pervious Area
15,715		45.54% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 6: 6P

Runoff = 5.94 cfs @ 12.08 hrs, Volume= 18,365 cf, Depth> 2.63"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	24,384	98	Roadway
*	3,217	74	Sidewalk
*	56,101	74	Lawn
	83,702	81	Weighted Average
	59,318		70.87% Pervious Area
	24,384		29.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 7: 7P

Runoff = 3.24 cfs @ 12.07 hrs, Volume= 10,103 cf, Depth> 3.19"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	18,289	98	Roadway
*	2,124	98	Sidewalks
*	17,590	74	lawn
	38,003	87	Weighted Average
	17,590		46.29% Pervious Area
	20,413		53.71% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 8: 8P

Runoff = 0.64 cfs @ 12.07 hrs, Volume= 2,066 cf, Depth> 3.80"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	4,366	98	roadway
*	868	98	sidewalks
*	1,285	74	Lawn
	6,519	93	Weighted Average
	1,285		19.71% Pervious Area
	5,234		80.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 9: 9P

Runoff = 0.96 cfs @ 12.07 hrs, Volume= 3,182 cf, Depth> 4.02"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
* 7,082	98	rdwy
* 1,213	98	sidewalks
* 1,199	74	grass
9,494	95	Weighted Average
1,199		12.63% Pervious Area
8,295		87.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 10: 10P

Runoff = 6.56 cfs @ 12.08 hrs, Volume= 20,267 cf, Depth> 2.55"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
* 1,136	98	existing houses
* 2,378	98	sidewalks
* 20,243	98	Roadway
* 71,798	74	Lawn
95,555	80	Weighted Average
71,798		75.14% Pervious Area
23,757		24.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 11: 11P

Runoff = 2.34 cfs @ 12.08 hrs, Volume= 7,275 cf, Depth> 2.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	42,474	74	Lawn
*	154	98	Exist House
	42,628	74	Weighted Average
	42,474		99.64% Pervious Area
	154		0.36% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 24S: Lot 15

Runoff = 0.16 cfs @ 12.07 hrs, Volume= 545 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 40S: Lot 13 house-Lawn

Runoff = 0.86 cfs @ 12.08 hrs, Volume= 2,668 cf, Depth> 2.21"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	1,500	98	House
*	13,000	74	Lawn
	14,500	76	Weighted Average
	13,000		89.66% Pervious Area
	1,500		10.34% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 41S: Lot 12

Runoff = 0.16 cfs @ 12.07 hrs, Volume= 545 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 42S: Lot 11

Runoff = 0.16 cfs @ 12.07 hrs, Volume= 545 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 43S: Lot 14

Runoff = 0.16 cfs @ 12.07 hrs, Volume= 545 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 44S: Lot 16

Runoff = 0.16 cfs @ 12.07 hrs, Volume= 545 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 45S: Lot 10

Runoff = 0.16 cfs @ 12.07 hrs, Volume= 545 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 46S: Lot 8

Runoff = 0.16 cfs @ 12.07 hrs, Volume= 545 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 47S: Lot 9

Runoff = 0.16 cfs @ 12.07 hrs, Volume= 545 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 49S: Lot 7

Runoff = 0.16 cfs @ 12.07 hrs, Volume= 545 cf, Depth> 4.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10 Year Event Rainfall=4.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

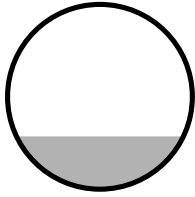
Summary for Reach 1R: 18" RCP

Inflow Area = 134,688 sf, 44.06% Impervious, Inflow Depth > 0.50" for 10 Year Event event
Inflow = 2.40 cfs @ 12.36 hrs, Volume= 5,616 cf
Outflow = 2.40 cfs @ 12.38 hrs, Volume= 5,616 cf, Atten= 0%, Lag= 0.9 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 5.78 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 1.24 fps, Avg. Travel Time= 0.8 min

Peak Storage= 25 cf @ 12.38 hrs
Average Depth at Peak Storage= 0.43'
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 13.56 cfs

18.0" Round Pipe
n= 0.013
Length= 60.0' Slope= 0.0167 '
Inlet Invert= 94.00', Outlet Invert= 93.00'

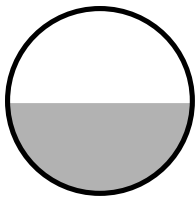
**Summary for Reach 2R: 24" RCP**

Inflow Area = 128,260 sf, 43.69% Impervious, Inflow Depth > 2.68" for 10 Year Event event
Inflow = 8.84 cfs @ 12.09 hrs, Volume= 28,688 cf
Outflow = 8.82 cfs @ 12.09 hrs, Volume= 28,686 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 5.81 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.84 fps, Avg. Travel Time= 0.3 min

Peak Storage= 46 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.98'
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 18.47 cfs

24.0" Round Pipe
n= 0.013
Length= 30.0' Slope= 0.0067 '/'
Inlet Invert= 95.65', Outlet Invert= 95.45'

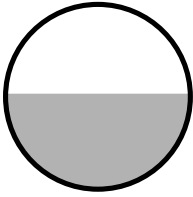
**Summary for Reach 3R: 21" RCP**

Inflow Area = 91,590 sf, 37.17% Impervious, Inflow Depth > 2.44" for 10 Year Event event
Inflow = 5.78 cfs @ 12.08 hrs, Volume= 18,648 cf
Outflow = 5.71 cfs @ 12.10 hrs, Volume= 18,639 cf, Atten= 1%, Lag= 0.8 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 4.63 fps, Min. Travel Time= 0.4 min
Avg. Velocity = 1.46 fps, Avg. Travel Time= 1.4 min

Peak Storage= 150 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.90'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.02 cfs

21.0" Round Pipe
n= 0.013
Length= 120.0' Slope= 0.0048 '/'
Inlet Invert= 96.23', Outlet Invert= 95.65'

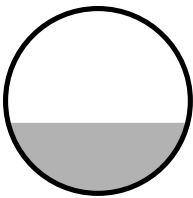
**Summary for Reach 4R: 12" RCP**

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 3.91" for 10 Year Event event
Inflow = 0.71 cfs @ 12.07 hrs, Volume= 2,340 cf
Outflow = 0.66 cfs @ 12.12 hrs, Volume= 2,336 cf, Atten= 7%, Lag= 3.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.52 fps, Min. Travel Time= 1.6 min
Avg. Velocity = 0.84 fps, Avg. Travel Time= 4.8 min

Peak Storage= 66 cf @ 12.10 hrs
Average Depth at Peak Storage= 0.38'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.25 cfs

12.0" Round Pipe
n= 0.013
Length= 240.0' Slope= 0.0040 '/
Inlet Invert= 98.01', Outlet Invert= 97.05'

**Summary for Reach 5R: Overflow**

Inflow Area = 10,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 6R: 21" RCP

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 2.29" for 10 Year Event event
Inflow = 6.56 cfs @ 12.08 hrs, Volume= 20,267 cf
Outflow = 6.54 cfs @ 12.08 hrs, Volume= 20,266 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 6.24 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.26 fps, Avg. Travel Time= 0.2 min

Peak Storage= 26 cf @ 12.08 hrs

Average Depth at Peak Storage= 0.79'

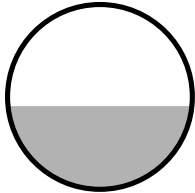
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 15.85 cfs

21.0" Round Pipe

n= 0.013

Length= 25.0' Slope= 0.0100 '/'

Inlet Invert= 95.00', Outlet Invert= 94.75'

**Summary for Reach 7R: 18" RCP**

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth = 0.28" for 10 Year Event event

Inflow = 0.85 cfs @ 12.45 hrs, Volume= 2,443 cf

Outflow = 0.85 cfs @ 12.46 hrs, Volume= 2,443 cf, Atten= 0%, Lag= 0.4 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 5.45 fps, Min. Travel Time= 0.2 min

Avg. Velocity = 3.85 fps, Avg. Travel Time= 0.3 min

Peak Storage= 9 cf @ 12.45 hrs

Average Depth at Peak Storage= 0.21'

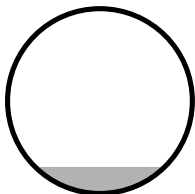
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 19.18 cfs

18.0" Round Pipe

n= 0.013

Length= 60.0' Slope= 0.0333 '/'

Inlet Invert= 92.00', Outlet Invert= 90.00'

**Summary for Reach 8R: 18" RCP**

Inflow Area = 38,003 sf, 53.71% Impervious, Inflow Depth > 3.19" for 10 Year Event event

Inflow = 3.24 cfs @ 12.07 hrs, Volume= 10,103 cf

Outflow = 3.15 cfs @ 12.10 hrs, Volume= 10,097 cf, Atten= 3%, Lag= 1.3 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 4.52 fps, Min. Travel Time= 0.6 min

Avg. Velocity = 1.55 fps, Avg. Travel Time= 1.8 min

Peak Storage= 121 cf @ 12.09 hrs

Average Depth at Peak Storage= 0.64'

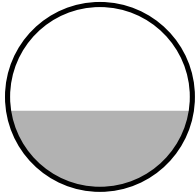
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 8.64 cfs

18.0" Round Pipe

n= 0.013

Length= 170.0' Slope= 0.0068 '/'

Inlet Invert= 95.62', Outlet Invert= 94.47'



Summary for Reach 9R: 18" RCP

Inflow Area = 38,003 sf, 53.71% Impervious, Inflow Depth > 3.19" for 10 Year Event event

Inflow = 3.15 cfs @ 12.10 hrs, Volume= 10,097 cf

Outflow = 3.13 cfs @ 12.10 hrs, Volume= 10,096 cf, Atten= 1%, Lag= 0.3 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 4.37 fps, Min. Travel Time= 0.2 min

Avg. Velocity = 1.51 fps, Avg. Travel Time= 0.5 min

Peak Storage= 32 cf @ 12.10 hrs

Average Depth at Peak Storage= 0.64'

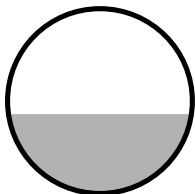
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 8.29 cfs

18.0" Round Pipe

n= 0.013

Length= 45.0' Slope= 0.0062 '/'

Inlet Invert= 94.47', Outlet Invert= 94.19'



Summary for Reach 10R: 24" RCP

Inflow Area = 169,713 sf, 43.61% Impervious, Inflow Depth > 2.62" for 10 Year Event event

Inflow = 11.65 cfs @ 12.09 hrs, Volume= 37,074 cf

Outflow = 11.55 cfs @ 12.10 hrs, Volume= 37,065 cf, Atten= 1%, Lag= 0.4 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 6.70 fps, Min. Travel Time= 0.2 min

Avg. Velocity = 2.31 fps, Avg. Travel Time= 0.7 min

Peak Storage= 174 cf @ 12.10 hrs

Average Depth at Peak Storage= 1.09'

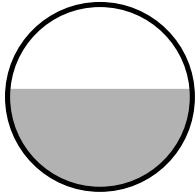
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 20.36 cfs

24.0" Round Pipe

n= 0.013

Length= 100.0' Slope= 0.0081 '/'

Inlet Invert= 93.61', Outlet Invert= 92.80'

**Summary for Reach 11R: 15" RCP**

Inflow Area = 36,008 sf, 47.81% Impervious, Inflow Depth > 2.87" for 10 Year Event event

Inflow = 2.78 cfs @ 12.07 hrs, Volume= 8,623 cf

Outflow = 2.69 cfs @ 12.10 hrs, Volume= 8,616 cf, Atten= 3%, Lag= 1.6 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 5.09 fps, Min. Travel Time= 0.8 min

Avg. Velocity= 1.78 fps, Avg. Travel Time= 2.3 min

Peak Storage= 136 cf @ 12.09 hrs

Average Depth at Peak Storage= 0.57'

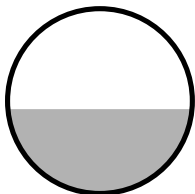
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 6.52 cfs

15.0" Round Pipe

n= 0.013

Length= 250.0' Slope= 0.0102 '/'

Inlet Invert= 96.16', Outlet Invert= 93.61'

**Summary for Reach 12R: 24" RCP**

Inflow Area = 176,232 sf, 44.97% Impervious, Inflow Depth > 2.66" for 10 Year Event event

Inflow = 12.09 cfs @ 12.10 hrs, Volume= 39,127 cf

Outflow = 12.07 cfs @ 12.10 hrs, Volume= 39,126 cf, Atten= 0%, Lag= 0.1 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 7.32 fps, Min. Travel Time= 0.0 min

Avg. Velocity= 2.34 fps, Avg. Travel Time= 0.1 min

Peak Storage= 33 cf @ 12.10 hrs

Average Depth at Peak Storage= 1.04'

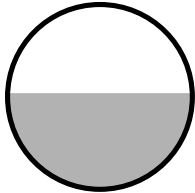
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 22.62 cfs

24.0" Round Pipe

n= 0.013

Length= 20.0' Slope= 0.0100 '/'

Inlet Invert= 92.80', Outlet Invert= 92.60'



Summary for Reach 13R: 12" RCP

Inflow Area = 6,519 sf, 80.29% Impervious, Inflow Depth > 3.80" for 10 Year Event event

Inflow = 0.64 cfs @ 12.07 hrs, Volume= 2,066 cf

Outflow = 0.59 cfs @ 12.12 hrs, Volume= 2,064 cf, Atten= 7%, Lag= 2.8 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 2.89 fps, Min. Travel Time= 1.5 min

Avg. Velocity = 0.96 fps, Avg. Travel Time= 4.5 min

Peak Storage= 56 cf @ 12.09 hrs

Average Depth at Peak Storage= 0.32'

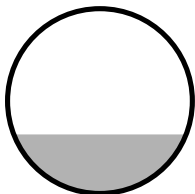
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.84 cfs

12.0" Round Pipe

n= 0.013

Length= 260.0' Slope= 0.0063 '/'

Inlet Invert= 95.00', Outlet Invert= 93.35'



Summary for Reach 14R: 21" RCP

Inflow Area = 190,732 sf, 42.33% Impervious, Inflow Depth = 0.95" for 10 Year Event event

Inflow = 7.38 cfs @ 12.22 hrs, Volume= 15,033 cf

Outflow = 7.38 cfs @ 12.22 hrs, Volume= 15,033 cf, Atten= 0%, Lag= 0.1 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 5.55 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 2.66 fps, Avg. Travel Time= 0.2 min

Peak Storage= 40 cf @ 12.22 hrs

Average Depth at Peak Storage= 0.95'

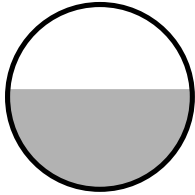
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 12.94 cfs

21.0" Round Pipe

n= 0.013

Length= 30.0' Slope= 0.0067 '/'

Inlet Invert= 92.20', Outlet Invert= 92.00'

**Summary for Reach 15R: Overflow**

Inflow Area = 7,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event

Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 17R: Overflow

Inflow Area = 13,500 sf, 100.00% Impervious, Inflow Depth > 4.36" for 10 Year Event event

Inflow = 1.40 cfs @ 12.07 hrs, Volume= 4,907 cf

Outflow = 1.40 cfs @ 12.07 hrs, Volume= 4,907 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 40R: 21" RCP

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 3.91" for 10 Year Event event

Inflow = 0.65 cfs @ 12.13 hrs, Volume= 2,336 cf

Outflow = 0.64 cfs @ 12.15 hrs, Volume= 2,334 cf, Atten= 3%, Lag= 1.5 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 2.56 fps, Min. Travel Time= 0.9 min

Avg. Velocity= 0.86 fps, Avg. Travel Time= 2.6 min

Peak Storage= 34 cf @ 12.14 hrs

Average Depth at Peak Storage= 0.28'

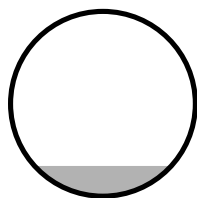
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.33 cfs

21.0" Round Pipe

n= 0.013

Length= 135.0' Slope= 0.0051 '/'

Inlet Invert= 96.92', Outlet Invert= 96.23'

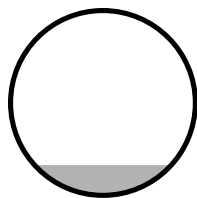
**Summary for Reach 41R: 21" RCP**

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 3.91" for 10 Year Event event
Inflow = 0.66 cfs @ 12.12 hrs, Volume= 2,336 cf
Outflow = 0.65 cfs @ 12.13 hrs, Volume= 2,336 cf, Atten= 1%, Lag= 0.5 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.57 fps, Min. Travel Time= 0.3 min
Avg. Velocity = 0.87 fps, Avg. Travel Time= 0.8 min

Peak Storage= 10 cf @ 12.12 hrs
Average Depth at Peak Storage= 0.29'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.48 cfs

21.0" Round Pipe
n= 0.013
Length= 40.0' Slope= 0.0052 '/
Inlet Invert= 97.13', Outlet Invert= 96.92'

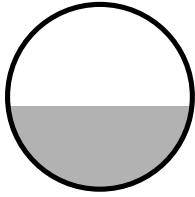
**Summary for Reach 42R: 21" RCP**

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 2.29" for 10 Year Event event
Inflow = 6.54 cfs @ 12.08 hrs, Volume= 20,266 cf
Outflow = 6.52 cfs @ 12.09 hrs, Volume= 20,263 cf, Atten= 0%, Lag= 0.3 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 6.25 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.27 fps, Avg. Travel Time= 0.4 min

Peak Storage= 57 cf @ 12.08 hrs
Average Depth at Peak Storage= 0.79'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 15.85 cfs

21.0" Round Pipe
n= 0.013
Length= 55.0' Slope= 0.0100 '/
Inlet Invert= 94.65', Outlet Invert= 94.10'

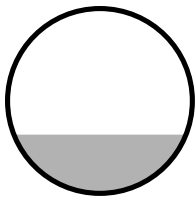
**Summary for Reach 43R: 12" RCP**

Inflow Area = 6,519 sf, 80.29% Impervious, Inflow Depth > 3.80" for 10 Year Event event
Inflow = 0.59 cfs @ 12.12 hrs, Volume= 2,064 cf
Outflow = 0.58 cfs @ 12.14 hrs, Volume= 2,063 cf, Atten= 2%, Lag= 1.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.74 fps, Min. Travel Time= 0.6 min
Avg. Velocity = 0.93 fps, Avg. Travel Time= 1.7 min

Peak Storage= 20 cf @ 12.13 hrs
Average Depth at Peak Storage= 0.32'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.71 cfs

12.0" Round Pipe
n= 0.013
Length= 95.0' Slope= 0.0058 '/
Inlet Invert= 93.35', Outlet Invert= 92.80'

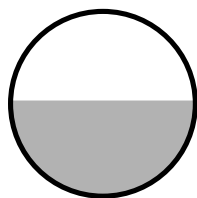
**Summary for Reach 45R: 21" RCP**

Inflow Area = 133,705 sf, 42.48% Impervious, Inflow Depth > 2.55" for 10 Year Event event
Inflow = 9.01 cfs @ 12.09 hrs, Volume= 28,461 cf
Outflow = 8.98 cfs @ 12.09 hrs, Volume= 28,458 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 7.18 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.46 fps, Avg. Travel Time= 0.3 min

Peak Storage= 63 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.90'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 17.07 cfs

21.0" Round Pipe
n= 0.013
Length= 50.0' Slope= 0.0116 '/
Inlet Invert= 94.19', Outlet Invert= 93.61'



Summary for Reach 63R: Overflow

Inflow Area = 7,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
 Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP1: DESIGN POINT #1

Inflow Area = 240,743 sf, 38.88% Impervious, Inflow Depth > 0.40" for 10 Year Event event
 Inflow = 3.23 cfs @ 12.39 hrs, Volume= 8,059 cf
 Outflow = 3.23 cfs @ 12.39 hrs, Volume= 8,059 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP2: DESIGN POINT #2

Inflow Area = 59,622 sf, 26.75% Impervious, Inflow Depth > 2.10" for 10 Year Event event
 Inflow = 3.28 cfs @ 12.08 hrs, Volume= 10,457 cf
 Outflow = 3.28 cfs @ 12.08 hrs, Volume= 10,457 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP3: DESIGN POINT #3

Inflow Area = 347,573 sf, 27.94% Impervious, Inflow Depth > 1.53" for 10 Year Event event
 Inflow = 14.25 cfs @ 12.19 hrs, Volume= 44,371 cf
 Outflow = 14.25 cfs @ 12.19 hrs, Volume= 44,371 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Pond 1P: POND #1

Inflow Area = 128,260 sf, 43.69% Impervious, Inflow Depth > 2.68" for 10 Year Event event
 Inflow = 8.82 cfs @ 12.09 hrs, Volume= 28,686 cf
 Outflow = 3.36 cfs @ 12.37 hrs, Volume= 28,679 cf, Atten= 62%, Lag= 16.5 min
 Discarded = 1.02 cfs @ 11.65 hrs, Volume= 23,597 cf
 Primary = 2.34 cfs @ 12.37 hrs, Volume= 5,082 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 97.32' @ 12.37 hrs Surf.Area= 5,325 sf Storage= 7,114 cf

Plug-Flow detention time= 29.6 min calculated for 28,619 cf (100% of inflow)

Center-of-Mass det. time= 29.4 min (842.3 - 812.9)

Volume	Invert	Avail.Storage	Storage Description
#1	95.40'	4,699 cf	Custom Stage Data (Irregular) Listed below 18,638 cf Overall - 6,891 cf Embedded = 11,746 cf x 40.0% Voids
#2	95.90'	6,891 cf	StormTech SC-740 x 150 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
		11,590 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
95.40	5,325	292.0	0	0	5,325
98.90	5,325	292.0	18,638	18,638	6,347

Device	Routing	Invert	Outlet Devices
#1	Discarded	95.40'	8.270 in/hr Exfiltration over Surface area
#2	Primary	96.60'	1.3' long Sharp-Crested Rectangular Weir 2 End Contraction(s) 5.0' Crest Height

Discarded OutFlow Max=1.02 cfs @ 11.65 hrs HW=95.44' (Free Discharge)

 ↗**1=Exfiltration** (Exfiltration Controls 1.02 cfs)

Primary OutFlow Max=2.33 cfs @ 12.37 hrs HW=97.32' (Free Discharge)

 ↗**2=Sharp-Crested Rectangular Weir** (Weir Controls 2.33 cfs @ 2.81 fps)

Summary for Pond 2P: POND #2

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 2.29" for 10 Year Event event
 Inflow = 6.52 cfs @ 12.09 hrs, Volume= 20,263 cf
 Outflow = 1.83 cfs @ 12.45 hrs, Volume= 20,257 cf, Atten= 72%, Lag= 21.9 min
 Discarded = 0.98 cfs @ 11.75 hrs, Volume= 17,814 cf
 Primary = 0.85 cfs @ 12.45 hrs, Volume= 2,443 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 95.53' @ 12.45 hrs Surf.Area= 5,143 sf Storage= 5,081 cf

Plug-Flow detention time= 23.3 min calculated for 20,257 cf (100% of inflow)

Center-of-Mass det. time= 23.1 min (847.7 - 824.6)

Volume	Invert	Avail.Storage	Storage Description
#1	94.00'	4,866 cf	Custom Stage Data (Irregular) Listed below 18,001 cf Overall - 5,834 cf Embedded = 12,166 cf x 40.0% Voids
#2	94.50'	5,834 cf	StormTech SC-740 x 127 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
		10,701 cf	Total Available Storage

NORTHSIDE FARM PROP Rev 6-6-16

Type III 24-hr 10 Year Event Rainfall=4.60"

Prepared by Microsoft

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Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
94.00	5,143	340.0	0	0	5,143
97.50	5,143	340.0	18,001	18,001	6,333

Device	Routing	Invert	Outlet Devices
#1	Primary	94.80'	7.0" Vert. Orifice/Grate C= 0.600
#2	Discarded	94.00'	8.270 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.98 cfs @ 11.75 hrs HW=94.05' (Free Discharge)↑**2=Exfiltration** (Exfiltration Controls 0.98 cfs)**Primary OutFlow** Max=0.85 cfs @ 12.45 hrs HW=95.53' (Free Discharge)↑**1=Orifice/Grate** (Orifice Controls 0.85 cfs @ 3.17 fps)**Summary for Pond 3P: POND #3**

Inflow Area = 190,732 sf, 42.33% Impervious, Inflow Depth > 2.63" for 10 Year Event event
 Inflow = 12.91 cfs @ 12.10 hrs, Volume= 41,794 cf
 Outflow = 8.20 cfs @ 12.22 hrs, Volume= 41,758 cf, Atten= 36%, Lag= 7.0 min
 Discarded = 0.82 cfs @ 12.22 hrs, Volume= 26,724 cf
 Primary = 7.38 cfs @ 12.22 hrs, Volume= 15,033 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 95.90' @ 12.22 hrs Surf.Area= 4,195 sf Storage= 10,111 cf

Plug-Flow detention time= 65.1 min calculated for 41,671 cf (100% of inflow)
 Center-of-Mass det. time= 64.4 min (879.6 - 815.2)

Volume	Invert	Avail.Storage	Storage Description
#1	92.60'	15,169 cf	Custom Stage Data (Irregular) Listed below

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
92.60	1,856	237.0	0	0	1,856
93.00	2,259	255.0	822	822	2,568
94.00	2,890	264.0	2,568	3,390	3,021
95.00	3,557	280.0	3,218	6,607	3,765
96.00	4,269	295.0	3,908	10,515	4,509
97.00	5,050	313.0	4,654	15,169	5,432

Device	Routing	Invert	Outlet Devices
#1	Primary	94.80'	2.1' long Sharp-Crested Rectangular Weir 2 End Contraction(s) 3.0' Crest Height
#2	Discarded	92.60'	8.270 in/hr Exfiltration over Horizontal area Conductivity to Groundwater Elevation = 0.00'

Discarded OutFlow Max=0.82 cfs @ 12.22 hrs HW=95.88' (Free Discharge)↑**2=Exfiltration** (Controls 0.82 cfs)**Primary OutFlow** Max=7.26 cfs @ 12.22 hrs HW=95.88' (Free Discharge)↑**1=Sharp-Crested Rectangular Weir** (Weir Controls 7.26 cfs @ 3.55 fps)

Summary for Pond PE: Exist. infiltration

Inflow Area = 3,300 sf, 100.00% Impervious, Inflow Depth > 4.36" for 10 Year Event event
 Inflow = 0.34 cfs @ 12.07 hrs, Volume= 1,199 cf
 Outflow = 0.08 cfs @ 11.95 hrs, Volume= 1,199 cf, Atten= 77%, Lag= 0.0 min
 Discarded = 0.08 cfs @ 11.95 hrs, Volume= 1,199 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 91.73' @ 12.47 hrs Surf.Area= 392 sf Storage= 289 cf

Plug-Flow detention time= 21.4 min calculated for 1,199 cf (100% of inflow)
 Center-of-Mass det. time= 21.3 min (769.4 - 748.2)

Volume	Invert	Avail.Storage	Storage Description
#1	90.00'	320 cf	Custom Stage Data (Irregular) Listed below 800 cf Overall x 40.0% Voids
#2	91.00'	368 cf	StormTech SC-740 x 8 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
		688 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
90.00	200	60.0	0	0	200
94.00	200	60.0	800	800	440

Device	Routing	Invert	Outlet Devices
#1	Primary	93.50'	6.0" Vert. Orifice/Grate C= 0.600
#2	Discarded	90.00'	8.270 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.08 cfs @ 11.95 hrs HW=91.01' (Free Discharge)
 ↑**2=Exfiltration** (Exfiltration Controls 0.08 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=90.00' (Free Discharge)
 ↑**1=Orifice/Grate** (Controls 0.00 cfs)

Summary for Link 3A: Lot 3A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
 Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 4A: Lot 4a

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 5A: Lot 5

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 6a: Lot 6

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 17: Lot 17

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 18: Lot 18

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 19: Lot 19

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 20: Lot 20

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 21: Lot 21

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 22: Lot 22

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 23A: Lot 23A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 24A: Lot 24A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 25: Lot 25

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 26: Lot 26

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 27A: Lot 27A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 28A: Lot 28A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 29A: Lot 29A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 32: Lot 32

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 33: Lot 33

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 34: Lot 34

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 35: Lot 35

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 36: Lot 36

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 37: Lot 37

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 38: Lot 38

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 39: Lot 39

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 40L: Lot 4a

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 10 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

10 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points

Runoff by SCS TR-20 method, UH=SCS

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

Subcatchment 1B: Ex. Bank Roof	Runoff Area=3,300 sf 100.00% Impervious Runoff Depth>5.36" Tc=5.0 min CN=98 Runoff=0.42 cfs 1,474 cf
Subcatchment 2: 2P	Runoff Area=76,913 sf 26.66% Impervious Runoff Depth>3.42" Tc=5.0 min CN=80 Runoff=7.07 cfs 21,921 cf
Subcatchment 2B: Ex. Bank Parking Lot	Runoff Area=36,670 sf 59.99% Impervious Runoff Depth>4.24" Tc=5.0 min CN=88 Runoff=4.09 cfs 12,954 cf
Subcatchment 3: 3P	Runoff Area=7,177 sf 84.14% Impervious Runoff Depth>4.90" Tc=5.0 min CN=94 Runoff=0.88 cfs 2,930 cf
Subcatchment 3B: Ex. Landscape	Runoff Area=3,128 sf 0.00% Impervious Runoff Depth>2.85" Tc=5.0 min CN=74 Runoff=0.24 cfs 743 cf
Subcatchment 4P: 7	Runoff Area=143,341 sf 2.00% Impervious Runoff Depth>2.85" Flow Length=850' Tc=10.8 min CN=74 Runoff=9.28 cfs 33,994 cf
Subcatchment 5: 5P	Runoff Area=34,508 sf 45.54% Impervious Runoff Depth>3.92" Tc=5.0 min CN=85 Runoff=3.61 cfs 11,285 cf
Subcatchment 6: 6P	Runoff Area=83,702 sf 29.13% Impervious Runoff Depth>3.52" Tc=5.0 min CN=81 Runoff=7.90 cfs 24,545 cf
Subcatchment 7: 7P	Runoff Area=38,003 sf 53.71% Impervious Runoff Depth>4.13" Tc=5.0 min CN=87 Runoff=4.15 cfs 13,089 cf
Subcatchment 8: 8P	Runoff Area=6,519 sf 80.29% Impervious Runoff Depth>4.79" Tc=5.0 min CN=93 Runoff=0.79 cfs 2,600 cf
Subcatchment 9: 9P	Runoff Area=9,494 sf 87.37% Impervious Runoff Depth>5.01" Tc=5.0 min CN=95 Runoff=1.18 cfs 3,965 cf
Subcatchment 10: 10P	Runoff Area=95,555 sf 24.86% Impervious Runoff Depth>3.42" Tc=5.0 min CN=80 Runoff=8.78 cfs 27,234 cf
Subcatchment 11: 11P	Runoff Area=42,628 sf 0.36% Impervious Runoff Depth>2.85" Tc=5.0 min CN=74 Runoff=3.27 cfs 10,122 cf
Subcatchment 24S: Lot 15	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>5.36" Tc=5.0 min CN=98 Runoff=0.19 cfs 670 cf
Subcatchment 40S: Lot 13 house-Lawn	Runoff Area=14,500 sf 10.34% Impervious Runoff Depth>3.04" Tc=5.0 min CN=76 Runoff=1.19 cfs 3,668 cf
Subcatchment 41S: Lot 12	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>5.36" Tc=5.0 min CN=98 Runoff=0.19 cfs 670 cf

Subcatchment42S: Lot 11	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>5.36" Tc=5.0 min CN=98 Runoff=0.19 cfs 670 cf
Subcatchment43S: Lot 14	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>5.36" Tc=5.0 min CN=98 Runoff=0.19 cfs 670 cf
Subcatchment44S: Lot 16	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>5.36" Tc=5.0 min CN=98 Runoff=0.19 cfs 670 cf
Subcatchment45S: Lot 10	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>5.36" Tc=5.0 min CN=98 Runoff=0.19 cfs 670 cf
Subcatchment46S: Lot 8	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>5.36" Tc=5.0 min CN=98 Runoff=0.19 cfs 670 cf
Subcatchment47S: Lot 9	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>5.36" Tc=5.0 min CN=98 Runoff=0.19 cfs 670 cf
Subcatchment49S: Lot 7	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>5.36" Tc=5.0 min CN=98 Runoff=0.19 cfs 670 cf
Reach 1R: 18" RCP	Avg. Flow Depth=0.60' Max Vel=6.90 fps Inflow=4.52 cfs 10,612 cf 18.0" Round Pipe n=0.013 L=60.0' S=0.0167 '/' Capacity=13.56 cfs Outflow=4.51 cfs 10,611 cf
Reach 2R: 24" RCP	Avg. Flow Depth=1.15' Max Vel=6.20 fps Inflow=11.61 cfs 37,789 cf 24.0" Round Pipe n=0.013 L=30.0' S=0.0067 '/' Capacity=18.47 cfs Outflow=11.59 cfs 37,786 cf
Reach 3R: 21" RCP	Avg. Flow Depth=1.08' Max Vel=4.95 fps Inflow=7.71 cfs 24,844 cf 21.0" Round Pipe n=0.013 L=120.0' S=0.0048 '/' Capacity=11.02 cfs Outflow=7.62 cfs 24,835 cf
Reach 4R: 12" RCP	Avg. Flow Depth=0.43' Max Vel=2.67 fps Inflow=0.88 cfs 2,930 cf 12.0" Round Pipe n=0.013 L=240.0' S=0.0040 '/' Capacity=2.25 cfs Outflow=0.82 cfs 2,926 cf
Reach 5R: Overflow	Inflow=0.00 cfs 0 cf Outflow=0.00 cfs 0 cf
Reach 6R: 21" RCP	Avg. Flow Depth=0.93' Max Vel=6.71 fps Inflow=8.78 cfs 27,234 cf 21.0" Round Pipe n=0.013 L=25.0' S=0.0100 '/' Capacity=15.85 cfs Outflow=8.76 cfs 27,233 cf
Reach 7R: 18" RCP	Avg. Flow Depth=0.27' Max Vel=6.24 fps Inflow=1.33 cfs 5,527 cf 18.0" Round Pipe n=0.013 L=60.0' S=0.0333 '/' Capacity=19.18 cfs Outflow=1.34 cfs 5,527 cf
Reach 8R: 18" RCP	Avg. Flow Depth=0.73' Max Vel=4.82 fps Inflow=4.15 cfs 13,089 cf 18.0" Round Pipe n=0.013 L=170.0' S=0.0068 '/' Capacity=8.64 cfs Outflow=4.04 cfs 13,082 cf
Reach 9R: 18" RCP	Avg. Flow Depth=0.74' Max Vel=4.66 fps Inflow=4.04 cfs 13,082 cf 18.0" Round Pipe n=0.013 L=45.0' S=0.0062 '/' Capacity=8.29 cfs Outflow=4.02 cfs 13,080 cf
Reach 10R: 24" RCP	Avg. Flow Depth=1.29' Max Vel=7.11 fps Inflow=15.28 cfs 48,898 cf 24.0" Round Pipe n=0.013 L=100.0' S=0.0081 '/' Capacity=20.36 cfs Outflow=15.16 cfs 48,887 cf
Reach 11R: 15" RCP	Avg. Flow Depth=0.66' Max Vel=5.43 fps Inflow=3.61 cfs 11,285 cf 15.0" Round Pipe n=0.013 L=250.0' S=0.0102 '/' Capacity=6.52 cfs Outflow=3.49 cfs 11,277 cf

Reach 12R: 24" RCP Avg. Flow Depth=1.23' Max Vel=7.79 fps Inflow=15.84 cfs 51,483 cf
24.0" Round Pipe n=0.013 L=20.0' S=0.0100 '/ Capacity=22.62 cfs Outflow=15.81 cfs 51,481 cf

Reach 13R: 12" RCP Avg. Flow Depth=0.36' Max Vel=3.07 fps Inflow=0.79 cfs 2,600 cf
12.0" Round Pipe n=0.013 L=260.0' S=0.0063 '/ Capacity=2.84 cfs Outflow=0.74 cfs 2,597 cf

Reach 14R: 21" RCP Avg. Flow Depth=1.27' Max Vel=6.06 fps Inflow=11.28 cfs 24,633 cf
21.0" Round Pipe n=0.013 L=30.0' S=0.0067 '/ Capacity=12.94 cfs Outflow=11.28 cfs 24,633 cf

Reach 15R: Overflow Inflow=0.00 cfs 0 cf
Outflow=0.00 cfs 0 cf

Reach 17R: Overflow Inflow=1.71 cfs 6,030 cf
Outflow=1.71 cfs 6,030 cf

Reach 40R: 21" RCP Avg. Flow Depth=0.32' Max Vel=2.72 fps Inflow=0.81 cfs 2,925 cf
21.0" Round Pipe n=0.013 L=135.0' S=0.0051 '/ Capacity=11.33 cfs Outflow=0.79 cfs 2,923 cf

Reach 41R: 21" RCP Avg. Flow Depth=0.32' Max Vel=2.75 fps Inflow=0.82 cfs 2,926 cf
21.0" Round Pipe n=0.013 L=40.0' S=0.0052 '/ Capacity=11.48 cfs Outflow=0.81 cfs 2,925 cf

Reach 42R: 21" RCP Avg. Flow Depth=0.93' Max Vel=6.72 fps Inflow=8.76 cfs 27,233 cf
21.0" Round Pipe n=0.013 L=55.0' S=0.0100 '/ Capacity=15.85 cfs Outflow=8.73 cfs 27,229 cf

Reach 43R: 12" RCP Avg. Flow Depth=0.36' Max Vel=2.91 fps Inflow=0.74 cfs 2,597 cf
12.0" Round Pipe n=0.013 L=95.0' S=0.0058 '/ Capacity=2.71 cfs Outflow=0.72 cfs 2,596 cf

Reach 45R: 21" RCP Avg. Flow Depth=1.07' Max Vel=7.65 fps Inflow=11.84 cfs 37,625 cf
21.0" Round Pipe n=0.013 L=50.0' S=0.0116 '/ Capacity=17.07 cfs Outflow=11.81 cfs 37,621 cf

Reach 63R: Overflow Inflow=0.00 cfs 0 cf
Outflow=0.00 cfs 0 cf

Reach DCP1: DESIGN POINT #1 Inflow=5.74 cfs 16,138 cf
Outflow=5.74 cfs 16,138 cf

Reach DCP2: DESIGN POINT #2 Inflow=4.43 cfs 14,087 cf
Outflow=4.43 cfs 14,087 cf

Reach DCP3: DESIGN POINT #3 Inflow=21.49 cfs 64,656 cf
Outflow=21.49 cfs 64,656 cf

Pond 1P: POND #1 Peak Elev=97.75' Storage=8,684 cf Inflow=11.59 cfs 37,786 cf
Discarded=1.02 cfs 27,908 cf Primary=4.41 cfs 9,869 cf Outflow=5.43 cfs 37,777 cf

Pond 2P: POND #2 Peak Elev=96.17' Storage=7,365 cf Inflow=8.73 cfs 27,229 cf
Discarded=0.98 cfs 21,695 cf Primary=1.33 cfs 5,527 cf Outflow=2.32 cfs 27,222 cf

Pond 3P: POND #3 Peak Elev=96.28' Storage=11,824 cf Inflow=16.98 cfs 55,149 cf
Discarded=0.88 cfs 30,471 cf Primary=11.28 cfs 24,633 cf Outflow=12.16 cfs 55,103 cf

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Type III 24-hr 25 Year Event Rainfall=5.60"

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Pond PE: Exist. infiltration

Peak Elev=92.16' Storage=400 cf Inflow=0.42 cfs 1,474 cf

Discarded=0.08 cfs 1,474 cf Primary=0.00 cfs 0 cf Outflow=0.08 cfs 1,474 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from **NORTHSIDE FARM** one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from **NORTHSIDE FARM** one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from **NORTHSIDE FARM** one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

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Type III 24-hr 25 Year Event Rainfall=5.60"

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25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from **NORTHSIDE FARM** one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from **NORTHSIDE FARM** one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

25 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

Summary for Subcatchment 1B: Ex. Bank Roof

Runoff = 0.42 cfs @ 12.07 hrs, Volume= 1,474 cf, Depth> 5.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 3,300	98	Bank Roof
3,300		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIRECT

Summary for Subcatchment 2: 2P

Runoff = 7.07 cfs @ 12.08 hrs, Volume= 21,921 cf, Depth> 3.42"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 1,675	98	Exisitng houses
56,411	74	>75% Grass cover, Good, HSG C
* 17,914	98	Roadway
* 913	98	Sidewalks
76,913	80	Weighted Average
56,411		73.34% Pervious Area
20,502		26.66% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 2B: Ex. Bank Parking Lot

Runoff = 4.09 cfs @ 12.07 hrs, Volume= 12,954 cf, Depth> 4.24"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
22,000	98	Paved parking & roofs
14,670	74	>75% Grass cover, Good, HSG C
36,670	88	Weighted Average
14,670		40.01% Pervious Area
22,000		59.99% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, direct

Summary for Subcatchment 3: 3P

Runoff = 0.88 cfs @ 12.07 hrs, Volume= 2,930 cf, Depth> 4.90"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 1,158	98	sidewalks
* 4,881	98	Roadway
* 1,138	74	Lawn
7,177	94	Weighted Average
1,138		15.86% Pervious Area
6,039		84.14% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 3B: Ex. Landscape

Runoff = 0.24 cfs @ 12.08 hrs, Volume= 743 cf, Depth> 2.85"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
3,128	74	>75% Grass cover, Good, HSG C
3,128		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 4P: 7

Runoff = 9.28 cfs @ 12.16 hrs, Volume= 33,994 cf, Depth> 2.85"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 2,871	98	existing houses
76,300	74	>75% Grass cover, Good, HSG C
64,170	73	Woods, Fair, HSG C
143,341	74	Weighted Average
140,470		98.00% Pervious Area
2,871		2.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.4	50	0.0100	0.11		Sheet Flow, Sheet flow Grass: Short n= 0.150 P2= 3.20"
3.3	450	0.0200	2.28		Shallow Concentrated Flow, Shallow Unpaved Kv= 16.1 fps
0.1	350	1.0000	47.18	283.08	Channel Flow, River Flow Area= 6.0 sf Perim= 8.0' r= 0.75' n= 0.026 Earth, clean & winding
10.8	850	Total			

Summary for Subcatchment 5: 5P

Runoff = 3.61 cfs @ 12.07 hrs, Volume= 11,285 cf, Depth> 3.92"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 13,584	98	roadway
* 2,131	98	sidewalk
* 18,793	74	lawn
34,508	85	Weighted Average
18,793		54.46% Pervious Area
15,715		45.54% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 6: 6P

Runoff = 7.90 cfs @ 12.08 hrs, Volume= 24,545 cf, Depth> 3.52"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

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Type III 24-hr 25 Year Event Rainfall=5.60"

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	Area (sf)	CN	Description
*	24,384	98	Roadway
*	3,217	74	Sidewalk
*	56,101	74	Lawn
	83,702	81	Weighted Average
	59,318		70.87% Pervious Area
	24,384		29.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 7: 7P

Runoff = 4.15 cfs @ 12.07 hrs, Volume= 13,089 cf, Depth> 4.13"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

	Area (sf)	CN	Description
*	18,289	98	Roadway
*	2,124	98	Sidewalks
*	17,590	74	lawn
	38,003	87	Weighted Average
	17,590		46.29% Pervious Area
	20,413		53.71% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 8: 8P

Runoff = 0.79 cfs @ 12.07 hrs, Volume= 2,600 cf, Depth> 4.79"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

	Area (sf)	CN	Description
*	4,366	98	roadway
*	868	98	sidewalks
*	1,285	74	Lawn
	6,519	93	Weighted Average
	1,285		19.71% Pervious Area
	5,234		80.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 9: 9P

Runoff = 1.18 cfs @ 12.07 hrs, Volume= 3,965 cf, Depth> 5.01"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 7,082	98	rdwy
* 1,213	98	sidewalks
* 1,199	74	grass
9,494	95	Weighted Average
1,199		12.63% Pervious Area
8,295		87.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 10: 10P

Runoff = 8.78 cfs @ 12.08 hrs, Volume= 27,234 cf, Depth> 3.42"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 1,136	98	existing houses
* 2,378	98	sidewalks
* 20,243	98	Roadway
* 71,798	74	Lawn
95,555	80	Weighted Average
71,798		75.14% Pervious Area
23,757		24.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 11: 11P

Runoff = 3.27 cfs @ 12.08 hrs, Volume= 10,122 cf, Depth> 2.85"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 25 Year Event Rainfall=5.60"

	Area (sf)	CN	Description
*	42,474	74	Lawn
*	154	98	Exist House
	42,628	74	Weighted Average
	42,474		99.64% Pervious Area
	154		0.36% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 24S: Lot 15

Runoff = 0.19 cfs @ 12.07 hrs, Volume= 670 cf, Depth> 5.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 40S: Lot 13 house-Lawn

Runoff = 1.19 cfs @ 12.08 hrs, Volume= 3,668 cf, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

	Area (sf)	CN	Description
*	1,500	98	House
*	13,000	74	Lawn
	14,500	76	Weighted Average
	13,000		89.66% Pervious Area
	1,500		10.34% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 41S: Lot 12

Runoff = 0.19 cfs @ 12.07 hrs, Volume= 670 cf, Depth> 5.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 42S: Lot 11

Runoff = 0.19 cfs @ 12.07 hrs, Volume= 670 cf, Depth> 5.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 43S: Lot 14

Runoff = 0.19 cfs @ 12.07 hrs, Volume= 670 cf, Depth> 5.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 44S: Lot 16

Runoff = 0.19 cfs @ 12.07 hrs, Volume= 670 cf, Depth> 5.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 45S: Lot 10

Runoff = 0.19 cfs @ 12.07 hrs, Volume= 670 cf, Depth> 5.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 46S: Lot 8

Runoff = 0.19 cfs @ 12.07 hrs, Volume= 670 cf, Depth> 5.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 47S: Lot 9

Runoff = 0.19 cfs @ 12.07 hrs, Volume= 670 cf, Depth> 5.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 49S: Lot 7

Runoff = 0.19 cfs @ 12.07 hrs, Volume= 670 cf, Depth> 5.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 Year Event Rainfall=5.60"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

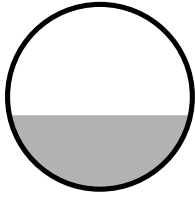
Summary for Reach 1R: 18" RCP

Inflow Area = 134,688 sf, 44.06% Impervious, Inflow Depth > 0.95" for 25 Year Event event
Inflow = 4.52 cfs @ 12.28 hrs, Volume= 10,612 cf
Outflow = 4.51 cfs @ 12.28 hrs, Volume= 10,611 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 6.90 fps, Min. Travel Time= 0.1 min
Avg. Velocity= 1.41 fps, Avg. Travel Time= 0.7 min

Peak Storage= 39 cf @ 12.27 hrs
Average Depth at Peak Storage= 0.60'
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 13.56 cfs

18.0" Round Pipe
n= 0.013
Length= 60.0' Slope= 0.0167 '
Inlet Invert= 94.00', Outlet Invert= 93.00'

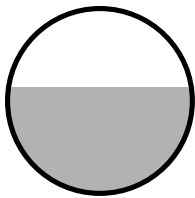
**Summary for Reach 2R: 24" RCP**

Inflow Area = 128,260 sf, 43.69% Impervious, Inflow Depth > 3.54" for 25 Year Event event
Inflow = 11.61 cfs @ 12.09 hrs, Volume= 37,789 cf
Outflow = 11.59 cfs @ 12.09 hrs, Volume= 37,786 cf, Atten= 0%, Lag= 0.1 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 6.20 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.99 fps, Avg. Travel Time= 0.3 min

Peak Storage= 56 cf @ 12.09 hrs
Average Depth at Peak Storage= 1.15'
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 18.47 cfs

24.0" Round Pipe
n= 0.013
Length= 30.0' Slope= 0.0067 '/
Inlet Invert= 95.65', Outlet Invert= 95.45'

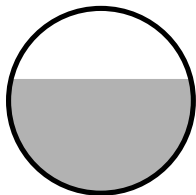
**Summary for Reach 3R: 21" RCP**

Inflow Area = 91,590 sf, 37.17% Impervious, Inflow Depth > 3.26" for 25 Year Event event
Inflow = 7.71 cfs @ 12.08 hrs, Volume= 24,844 cf
Outflow = 7.62 cfs @ 12.09 hrs, Volume= 24,835 cf, Atten= 1%, Lag= 0.8 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 4.95 fps, Min. Travel Time= 0.4 min
Avg. Velocity = 1.58 fps, Avg. Travel Time= 1.3 min

Peak Storage= 187 cf @ 12.09 hrs
Average Depth at Peak Storage= 1.08'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.02 cfs

21.0" Round Pipe
n= 0.013
Length= 120.0' Slope= 0.0048 '/
Inlet Invert= 96.23', Outlet Invert= 95.65'

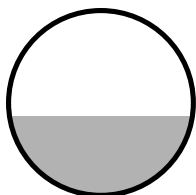
**Summary for Reach 4R: 12" RCP**

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 4.90" for 25 Year Event event
Inflow = 0.88 cfs @ 12.07 hrs, Volume= 2,930 cf
Outflow = 0.82 cfs @ 12.12 hrs, Volume= 2,926 cf, Atten= 7%, Lag= 2.8 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.67 fps, Min. Travel Time= 1.5 min
Avg. Velocity = 0.89 fps, Avg. Travel Time= 4.5 min

Peak Storage= 77 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.43'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.25 cfs

12.0" Round Pipe
n= 0.013
Length= 240.0' Slope= 0.0040 '/
Inlet Invert= 98.01', Outlet Invert= 97.05'

**Summary for Reach 5R: Overflow**

Inflow Area = 10,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 6R: 21" RCP

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 3.08" for 25 Year Event event
Inflow = 8.78 cfs @ 12.08 hrs, Volume= 27,234 cf
Outflow = 8.76 cfs @ 12.08 hrs, Volume= 27,233 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 6.71 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.42 fps, Avg. Travel Time= 0.2 min

Peak Storage= 33 cf @ 12.08 hrs

Average Depth at Peak Storage= 0.93'

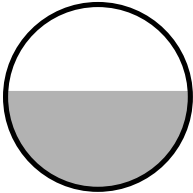
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 15.85 cfs

21.0" Round Pipe

n= 0.013

Length= 25.0' Slope= 0.0100 '/'

Inlet Invert= 95.00', Outlet Invert= 94.75'

**Summary for Reach 7R: 18" RCP**

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth = 0.63" for 25 Year Event event

Inflow = 1.33 cfs @ 12.46 hrs, Volume= 5,527 cf

Outflow = 1.34 cfs @ 12.46 hrs, Volume= 5,527 cf, Atten= 0%, Lag= 0.1 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 6.24 fps, Min. Travel Time= 0.2 min

Avg. Velocity= 4.55 fps, Avg. Travel Time= 0.2 min

Peak Storage= 13 cf @ 12.46 hrs

Average Depth at Peak Storage= 0.27'

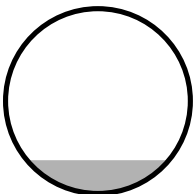
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 19.18 cfs

18.0" Round Pipe

n= 0.013

Length= 60.0' Slope= 0.0333 '/'

Inlet Invert= 92.00', Outlet Invert= 90.00'

**Summary for Reach 8R: 18" RCP**

Inflow Area = 38,003 sf, 53.71% Impervious, Inflow Depth > 4.13" for 25 Year Event event

Inflow = 4.15 cfs @ 12.07 hrs, Volume= 13,089 cf

Outflow = 4.04 cfs @ 12.09 hrs, Volume= 13,082 cf, Atten= 3%, Lag= 1.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 4.82 fps, Min. Travel Time= 0.6 min

Avg. Velocity= 1.65 fps, Avg. Travel Time= 1.7 min

Peak Storage= 145 cf @ 12.08 hrs

Average Depth at Peak Storage= 0.73'

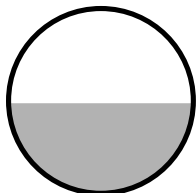
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 8.64 cfs

18.0" Round Pipe

n= 0.013

Length= 170.0' Slope= 0.0068 '/'

Inlet Invert= 95.62', Outlet Invert= 94.47'

**Summary for Reach 9R: 18" RCP**

Inflow Area = 38,003 sf, 53.71% Impervious, Inflow Depth > 4.13" for 25 Year Event event

Inflow = 4.04 cfs @ 12.09 hrs, Volume= 13,082 cf

Outflow = 4.02 cfs @ 12.10 hrs, Volume= 13,080 cf, Atten= 1%, Lag= 0.3 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 4.66 fps, Min. Travel Time= 0.2 min

Avg. Velocity= 1.60 fps, Avg. Travel Time= 0.5 min

Peak Storage= 39 cf @ 12.10 hrs

Average Depth at Peak Storage= 0.74'

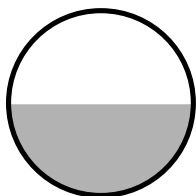
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 8.29 cfs

18.0" Round Pipe

n= 0.013

Length= 45.0' Slope= 0.0062 '/'

Inlet Invert= 94.47', Outlet Invert= 94.19'

**Summary for Reach 10R: 24" RCP**

Inflow Area = 169,713 sf, 43.61% Impervious, Inflow Depth > 3.46" for 25 Year Event event

Inflow = 15.28 cfs @ 12.09 hrs, Volume= 48,898 cf

Outflow = 15.16 cfs @ 12.10 hrs, Volume= 48,887 cf, Atten= 1%, Lag= 0.4 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 7.11 fps, Min. Travel Time= 0.2 min

Avg. Velocity= 2.47 fps, Avg. Travel Time= 0.7 min

Peak Storage= 215 cf @ 12.09 hrs

Average Depth at Peak Storage= 1.29'

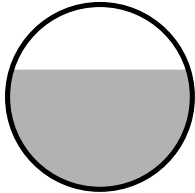
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 20.36 cfs

24.0" Round Pipe

n= 0.013

Length= 100.0' Slope= 0.0081 '/'

Inlet Invert= 93.61', Outlet Invert= 92.80'



Summary for Reach 11R: 15" RCP

Inflow Area = 36,008 sf, 47.81% Impervious, Inflow Depth > 3.76" for 25 Year Event event

Inflow = 3.61 cfs @ 12.07 hrs, Volume= 11,285 cf

Outflow = 3.49 cfs @ 12.10 hrs, Volume= 11,277 cf, Atten= 3%, Lag= 1.5 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 5.43 fps, Min. Travel Time= 0.8 min

Avg. Velocity= 1.89 fps, Avg. Travel Time= 2.2 min

Peak Storage= 165 cf @ 12.09 hrs

Average Depth at Peak Storage= 0.66'

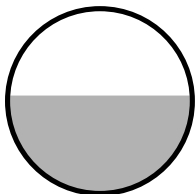
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 6.52 cfs

15.0" Round Pipe

n= 0.013

Length= 250.0' Slope= 0.0102 '/'

Inlet Invert= 96.16', Outlet Invert= 93.61'



Summary for Reach 12R: 24" RCP

Inflow Area = 176,232 sf, 44.97% Impervious, Inflow Depth > 3.51" for 25 Year Event event

Inflow = 15.84 cfs @ 12.10 hrs, Volume= 51,483 cf

Outflow = 15.81 cfs @ 12.10 hrs, Volume= 51,481 cf, Atten= 0%, Lag= 0.1 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 7.79 fps, Min. Travel Time= 0.0 min

Avg. Velocity= 2.52 fps, Avg. Travel Time= 0.1 min

Peak Storage= 41 cf @ 12.10 hrs

Average Depth at Peak Storage= 1.23'

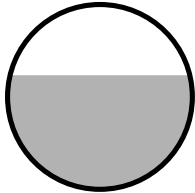
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 22.62 cfs

24.0" Round Pipe

n= 0.013

Length= 20.0' Slope= 0.0100 '/

Inlet Invert= 92.80', Outlet Invert= 92.60'



Summary for Reach 13R: 12" RCP

Inflow Area = 6,519 sf, 80.29% Impervious, Inflow Depth > 4.79" for 25 Year Event event

Inflow = 0.79 cfs @ 12.07 hrs, Volume= 2,600 cf

Outflow = 0.74 cfs @ 12.11 hrs, Volume= 2,597 cf, Atten= 6%, Lag= 2.6 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 3.07 fps, Min. Travel Time= 1.4 min

Avg. Velocity = 1.02 fps, Avg. Travel Time= 4.3 min

Peak Storage= 65 cf @ 12.09 hrs

Average Depth at Peak Storage= 0.36'

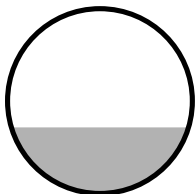
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.84 cfs

12.0" Round Pipe

n= 0.013

Length= 260.0' Slope= 0.0063 '/

Inlet Invert= 95.00', Outlet Invert= 93.35'



Summary for Reach 14R: 21" RCP

Inflow Area = 190,732 sf, 42.33% Impervious, Inflow Depth = 1.55" for 25 Year Event event

Inflow = 11.28 cfs @ 12.19 hrs, Volume= 24,633 cf

Outflow = 11.28 cfs @ 12.19 hrs, Volume= 24,633 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 6.06 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 2.84 fps, Avg. Travel Time= 0.2 min

Peak Storage= 56 cf @ 12.19 hrs

Average Depth at Peak Storage= 1.27'

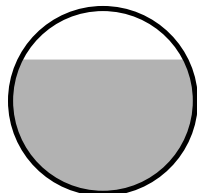
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 12.94 cfs

21.0" Round Pipe

n= 0.013

Length= 30.0' Slope= 0.0067 '/'

Inlet Invert= 92.20', Outlet Invert= 92.00'

**Summary for Reach 15R: Overflow**

Inflow Area = 7,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event

Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 17R: Overflow

Inflow Area = 13,500 sf, 100.00% Impervious, Inflow Depth > 5.36" for 25 Year Event event

Inflow = 1.71 cfs @ 12.07 hrs, Volume= 6,030 cf

Outflow = 1.71 cfs @ 12.07 hrs, Volume= 6,030 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 40R: 21" RCP

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 4.89" for 25 Year Event event

Inflow = 0.81 cfs @ 12.13 hrs, Volume= 2,925 cf

Outflow = 0.79 cfs @ 12.15 hrs, Volume= 2,923 cf, Atten= 2%, Lag= 1.5 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 2.72 fps, Min. Travel Time= 0.8 min

Avg. Velocity= 0.91 fps, Avg. Travel Time= 2.5 min

Peak Storage= 40 cf @ 12.14 hrs

Average Depth at Peak Storage= 0.32'

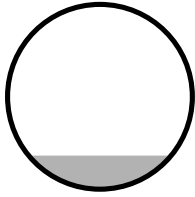
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.33 cfs

21.0" Round Pipe

n= 0.013

Length= 135.0' Slope= 0.0051 '/'

Inlet Invert= 96.92', Outlet Invert= 96.23'

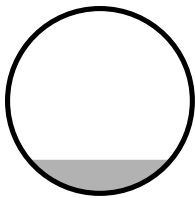
**Summary for Reach 41R: 21" RCP**

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 4.89" for 25 Year Event event
Inflow = 0.82 cfs @ 12.12 hrs, Volume= 2,926 cf
Outflow = 0.81 cfs @ 12.13 hrs, Volume= 2,925 cf, Atten= 2%, Lag= 0.5 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.75 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 0.92 fps, Avg. Travel Time= 0.7 min

Peak Storage= 12 cf @ 12.12 hrs
Average Depth at Peak Storage= 0.32'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.48 cfs

21.0" Round Pipe
n= 0.013
Length= 40.0' Slope= 0.0052 '/
Inlet Invert= 97.13', Outlet Invert= 96.92'

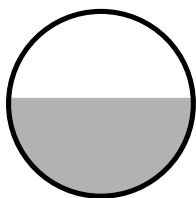
**Summary for Reach 42R: 21" RCP**

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 3.08" for 25 Year Event event
Inflow = 8.76 cfs @ 12.08 hrs, Volume= 27,233 cf
Outflow = 8.73 cfs @ 12.08 hrs, Volume= 27,229 cf, Atten= 0%, Lag= 0.3 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 6.72 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.42 fps, Avg. Travel Time= 0.4 min

Peak Storage= 72 cf @ 12.08 hrs
Average Depth at Peak Storage= 0.93'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 15.85 cfs

21.0" Round Pipe
n= 0.013
Length= 55.0' Slope= 0.0100 '/
Inlet Invert= 94.65', Outlet Invert= 94.10'

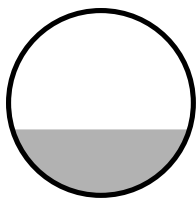
**Summary for Reach 43R: 12" RCP**

Inflow Area = 6,519 sf, 80.29% Impervious, Inflow Depth > 4.78" for 25 Year Event event
Inflow = 0.74 cfs @ 12.11 hrs, Volume= 2,597 cf
Outflow = 0.72 cfs @ 12.13 hrs, Volume= 2,596 cf, Atten= 3%, Lag= 1.1 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.91 fps, Min. Travel Time= 0.5 min
Avg. Velocity = 0.99 fps, Avg. Travel Time= 1.6 min

Peak Storage= 24 cf @ 12.12 hrs
Average Depth at Peak Storage= 0.36'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.71 cfs

12.0" Round Pipe
n= 0.013
Length= 95.0' Slope= 0.0058 '/
Inlet Invert= 93.35', Outlet Invert= 92.80'

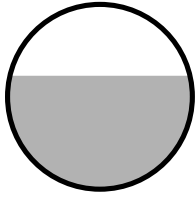
**Summary for Reach 45R: 21" RCP**

Inflow Area = 133,705 sf, 42.48% Impervious, Inflow Depth > 3.38" for 25 Year Event event
Inflow = 11.84 cfs @ 12.08 hrs, Volume= 37,625 cf
Outflow = 11.81 cfs @ 12.09 hrs, Volume= 37,621 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 7.65 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.63 fps, Avg. Travel Time= 0.3 min

Peak Storage= 77 cf @ 12.09 hrs
Average Depth at Peak Storage= 1.07'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 17.07 cfs

21.0" Round Pipe
n= 0.013
Length= 50.0' Slope= 0.0116 '/
Inlet Invert= 94.19', Outlet Invert= 93.61'

**Summary for Reach 63R: Overflow**

Inflow Area = 7,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP1: DESIGN POINT #1

Inflow Area = 240,743 sf, 38.88% Impervious, Inflow Depth > 0.80" for 25 Year Event event
Inflow = 5.74 cfs @ 12.29 hrs, Volume= 16,138 cf
Outflow = 5.74 cfs @ 12.29 hrs, Volume= 16,138 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP2: DESIGN POINT #2

Inflow Area = 59,622 sf, 26.75% Impervious, Inflow Depth > 2.84" for 25 Year Event event
Inflow = 4.43 cfs @ 12.08 hrs, Volume= 14,087 cf
Outflow = 4.43 cfs @ 12.08 hrs, Volume= 14,087 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP3: DESIGN POINT #3

Inflow Area = 347,573 sf, 27.94% Impervious, Inflow Depth > 2.23" for 25 Year Event event
Inflow = 21.49 cfs @ 12.17 hrs, Volume= 64,656 cf
Outflow = 21.49 cfs @ 12.17 hrs, Volume= 64,656 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Pond 1P: POND #1

Inflow Area = 128,260 sf, 43.69% Impervious, Inflow Depth > 3.54" for 25 Year Event event
Inflow = 11.59 cfs @ 12.09 hrs, Volume= 37,786 cf
Outflow = 5.43 cfs @ 12.28 hrs, Volume= 37,777 cf, Atten= 53%, Lag= 11.4 min
Discarded = 1.02 cfs @ 11.50 hrs, Volume= 27,908 cf
Primary = 4.41 cfs @ 12.28 hrs, Volume= 9,869 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 97.75' @ 12.28 hrs Surf.Area= 5,325 sf Storage= 8,684 cf

Plug-Flow detention time= 28.6 min calculated for 37,777 cf (100% of inflow)

Center-of-Mass det. time= 28.4 min (833.9 - 805.4)

Volume	Invert	Avail.Storage	Storage Description
#1	95.40'	4,699 cf	Custom Stage Data (Irregular) Listed below 18,638 cf Overall - 6,891 cf Embedded = 11,746 cf x 40.0% Voids
#2	95.90'	6,891 cf	StormTech SC-740 x 150 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
		11,590 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
95.40	5,325	292.0	0	0	5,325
98.90	5,325	292.0	18,638	18,638	6,347

Device	Routing	Invert	Outlet Devices
#1	Discarded	95.40'	8.270 in/hr Exfiltration over Surface area
#2	Primary	96.60'	1.3' long Sharp-Crested Rectangular Weir 2 End Contraction(s) 5.0' Crest Height

Discarded OutFlow Max=1.02 cfs @ 11.50 hrs HW=95.44' (Free Discharge)

 ↗ **1=Exfiltration** (Exfiltration Controls 1.02 cfs)

Primary OutFlow Max=4.39 cfs @ 12.28 hrs HW=97.74' (Free Discharge)

 ↗ **2=Sharp-Crested Rectangular Weir** (Weir Controls 4.39 cfs @ 3.59 fps)

Summary for Pond 2P: POND #2

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 3.08" for 25 Year Event event
 Inflow = 8.73 cfs @ 12.08 hrs, Volume= 27,229 cf
 Outflow = 2.32 cfs @ 12.46 hrs, Volume= 27,222 cf, Atten= 73%, Lag= 22.5 min
 Discarded = 0.98 cfs @ 11.65 hrs, Volume= 21,695 cf
 Primary = 1.33 cfs @ 12.46 hrs, Volume= 5,527 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 96.17' @ 12.46 hrs Surf.Area= 5,143 sf Storage= 7,365 cf

Plug-Flow detention time= 27.9 min calculated for 27,165 cf (100% of inflow)

Center-of-Mass det. time= 27.7 min (843.8 - 816.1)

Volume	Invert	Avail.Storage	Storage Description
#1	94.00'	4,866 cf	Custom Stage Data (Irregular) Listed below 18,001 cf Overall - 5,834 cf Embedded = 12,166 cf x 40.0% Voids
#2	94.50'	5,834 cf	StormTech SC-740 x 127 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
		10,701 cf	Total Available Storage

NORTHSIDE FARM PROP Rev 6-6-16

Type III 24-hr 25 Year Event Rainfall=5.60"

Prepared by Microsoft

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Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
94.00	5,143	340.0	0	0	5,143
97.50	5,143	340.0	18,001	18,001	6,333

Device	Routing	Invert	Outlet Devices
#1	Primary	94.80'	7.0" Vert. Orifice/Grate C= 0.600
#2	Discarded	94.00'	8.270 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.98 cfs @ 11.65 hrs HW=94.04' (Free Discharge)↑**2=Exfiltration** (Exfiltration Controls 0.98 cfs)**Primary OutFlow** Max=1.33 cfs @ 12.46 hrs HW=96.16' (Free Discharge)↑**1=Orifice/Grate** (Orifice Controls 1.33 cfs @ 4.99 fps)**Summary for Pond 3P: POND #3**

Inflow Area = 190,732 sf, 42.33% Impervious, Inflow Depth > 3.47" for 25 Year Event event
 Inflow = 16.98 cfs @ 12.10 hrs, Volume= 55,149 cf
 Outflow = 12.16 cfs @ 12.19 hrs, Volume= 55,103 cf, Atten= 28%, Lag= 5.4 min
 Discarded = 0.88 cfs @ 12.19 hrs, Volume= 30,471 cf
 Primary = 11.28 cfs @ 12.19 hrs, Volume= 24,633 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 96.28' @ 12.19 hrs Surf.Area= 4,489 sf Storage= 11,824 cf

Plug-Flow detention time= 59.3 min calculated for 55,103 cf (100% of inflow)
 Center-of-Mass det. time= 58.8 min (866.2 - 807.4)

Volume	Invert	Avail.Storage	Storage Description
#1	92.60'	15,169 cf	Custom Stage Data (Irregular) Listed below

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
92.60	1,856	237.0	0	0	1,856
93.00	2,259	255.0	822	822	2,568
94.00	2,890	264.0	2,568	3,390	3,021
95.00	3,557	280.0	3,218	6,607	3,765
96.00	4,269	295.0	3,908	10,515	4,509
97.00	5,050	313.0	4,654	15,169	5,432

Device	Routing	Invert	Outlet Devices
#1	Primary	94.80'	2.1' long Sharp-Crested Rectangular Weir 2 End Contraction(s) 3.0' Crest Height
#2	Discarded	92.60'	8.270 in/hr Exfiltration over Horizontal area Conductivity to Groundwater Elevation = 0.00'

Discarded OutFlow Max=0.88 cfs @ 12.19 hrs HW=96.27' (Free Discharge)↑**2=Exfiltration** (Controls 0.88 cfs)**Primary OutFlow** Max=11.18 cfs @ 12.19 hrs HW=96.27' (Free Discharge)↑**1=Sharp-Crested Rectangular Weir** (Weir Controls 11.18 cfs @ 4.21 fps)

Summary for Pond PE: Exist. infiltration

Inflow Area = 3,300 sf, 100.00% Impervious, Inflow Depth > 5.36" for 25 Year Event event
 Inflow = 0.42 cfs @ 12.07 hrs, Volume= 1,474 cf
 Outflow = 0.08 cfs @ 14.45 hrs, Volume= 1,474 cf, Atten= 81%, Lag= 142.8 min
 Discarded = 0.08 cfs @ 14.45 hrs, Volume= 1,474 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 92.16' @ 12.53 hrs Surf.Area= 371 sf Storage= 400 cf

Plug-Flow detention time= 31.2 min calculated for 1,474 cf (100% of inflow)
 Center-of-Mass det. time= 31.1 min (776.0 - 744.9)

Volume	Invert	Avail.Storage	Storage Description
#1	90.00'	320 cf	Custom Stage Data (Irregular) Listed below 800 cf Overall x 40.0% Voids
#2	91.00'	368 cf	StormTech SC-740 x 8 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
		688 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
90.00	200	60.0	0	0	200
94.00	200	60.0	800	800	440

Device	Routing	Invert	Outlet Devices
#1	Primary	93.50'	6.0" Vert. Orifice/Grate C= 0.600
#2	Discarded	90.00'	8.270 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.08 cfs @ 14.45 hrs HW=91.02' (Free Discharge)
 ↑**2=Exfiltration** (Exfiltration Controls 0.08 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=90.00' (Free Discharge)
 ↑**1=Orifice/Grate** (Controls 0.00 cfs)

Summary for Link 3A: Lot 3A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
 Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 4A: Lot 4a

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 5A: Lot 5

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 6a: Lot 6

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 17: Lot 17

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 18: Lot 18

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 19: Lot 19

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 20: Lot 20

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 21: Lot 21

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 22: Lot 22

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 23A: Lot 23A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 24A: Lot 24A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 25: Lot 25

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 26: Lot 26

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 27A: Lot 27A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 28A: Lot 28A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 29A: Lot 29A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 32: Lot 32

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 33: Lot 33

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 34: Lot 34

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 35: Lot 35

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 36: Lot 36

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 37: Lot 37

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 38: Lot 38

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 39: Lot 39

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 40L: Lot 4a

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 25 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

25 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points

Runoff by SCS TR-20 method, UH=SCS

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

Subcatchment 1B: Ex. Bank Roof	Runoff Area=3,300 sf 100.00% Impervious Runoff Depth>6.56" Tc=5.0 min CN=98 Runoff=0.51 cfs 1,803 cf
Subcatchment 2: 2P	Runoff Area=76,913 sf 26.66% Impervious Runoff Depth>4.51" Tc=5.0 min CN=80 Runoff=9.31 cfs 28,890 cf
Subcatchment 2B: Ex. Bank Parking Lot	Runoff Area=36,670 sf 59.99% Impervious Runoff Depth>5.40" Tc=5.0 min CN=88 Runoff=5.14 cfs 16,490 cf
Subcatchment 3: 3P	Runoff Area=7,177 sf 84.14% Impervious Runoff Depth>6.09" Tc=5.0 min CN=94 Runoff=1.08 cfs 3,640 cf
Subcatchment 3B: Ex. Landscape	Runoff Area=3,128 sf 0.00% Impervious Runoff Depth>3.87" Tc=5.0 min CN=74 Runoff=0.33 cfs 1,008 cf
Subcatchment 4P: 7	Runoff Area=143,341 sf 2.00% Impervious Runoff Depth>3.86" Flow Length=850' Tc=10.8 min CN=74 Runoff=12.62 cfs 46,121 cf
Subcatchment 5: 5P	Runoff Area=34,508 sf 45.54% Impervious Runoff Depth>5.06" Tc=5.0 min CN=85 Runoff=4.61 cfs 14,547 cf
Subcatchment 6: 6P	Runoff Area=83,702 sf 29.13% Impervious Runoff Depth>4.62" Tc=5.0 min CN=81 Runoff=10.35 cfs 32,201 cf
Subcatchment 7: 7P	Runoff Area=38,003 sf 53.71% Impervious Runoff Depth>5.28" Tc=5.0 min CN=87 Runoff=5.24 cfs 16,732 cf
Subcatchment 8: 8P	Runoff Area=6,519 sf 80.29% Impervious Runoff Depth>5.97" Tc=5.0 min CN=93 Runoff=0.97 cfs 3,243 cf
Subcatchment 9: 9P	Runoff Area=9,494 sf 87.37% Impervious Runoff Depth>6.20" Tc=5.0 min CN=95 Runoff=1.44 cfs 4,908 cf
Subcatchment 10: 10P	Runoff Area=95,555 sf 24.86% Impervious Runoff Depth>4.51" Tc=5.0 min CN=80 Runoff=11.56 cfs 35,892 cf
Subcatchment 11: 11P	Runoff Area=42,628 sf 0.36% Impervious Runoff Depth>3.87" Tc=5.0 min CN=74 Runoff=4.44 cfs 13,732 cf
Subcatchment 24S: Lot 15	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>6.56" Tc=5.0 min CN=98 Runoff=0.23 cfs 820 cf
Subcatchment 40S: Lot 13 house-Lawn	Runoff Area=14,500 sf 10.34% Impervious Runoff Depth>4.08" Tc=5.0 min CN=76 Runoff=1.59 cfs 4,926 cf
Subcatchment 41S: Lot 12	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>6.56" Tc=5.0 min CN=98 Runoff=0.23 cfs 820 cf

Subcatchment42S: Lot 11	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>6.56" Tc=5.0 min CN=98 Runoff=0.23 cfs 820 cf
Subcatchment43S: Lot 14	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>6.56" Tc=5.0 min CN=98 Runoff=0.23 cfs 820 cf
Subcatchment44S: Lot 16	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>6.56" Tc=5.0 min CN=98 Runoff=0.23 cfs 820 cf
Subcatchment45S: Lot 10	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>6.56" Tc=5.0 min CN=98 Runoff=0.23 cfs 820 cf
Subcatchment46S: Lot 8	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>6.56" Tc=5.0 min CN=98 Runoff=0.23 cfs 820 cf
Subcatchment47S: Lot 9	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>6.56" Tc=5.0 min CN=98 Runoff=0.23 cfs 820 cf
Subcatchment49S: Lot 7	Runoff Area=1,500 sf 100.00% Impervious Runoff Depth>6.56" Tc=5.0 min CN=98 Runoff=0.23 cfs 820 cf
Reach 1R: 18" RCP	Avg. Flow Depth=0.82' Max Vel=7.92 fps Inflow=7.80 cfs 17,303 cf 18.0" Round Pipe n=0.013 L=60.0' S=0.0167 '/' Capacity=13.56 cfs Outflow=7.78 cfs 17,303 cf
Reach 2R: 24" RCP	Avg. Flow Depth=1.37' Max Vel=6.54 fps Inflow=14.96 cfs 49,003 cf 24.0" Round Pipe n=0.013 L=30.0' S=0.0067 '/' Capacity=18.47 cfs Outflow=14.93 cfs 48,999 cf
Reach 3R: 21" RCP	Avg. Flow Depth=1.32' Max Vel=5.19 fps Inflow=10.05 cfs 32,523 cf 21.0" Round Pipe n=0.013 L=120.0' S=0.0048 '/' Capacity=11.02 cfs Outflow=9.94 cfs 32,512 cf
Reach 4R: 12" RCP	Avg. Flow Depth=0.48' Max Vel=2.82 fps Inflow=1.08 cfs 3,640 cf 12.0" Round Pipe n=0.013 L=240.0' S=0.0040 '/' Capacity=2.25 cfs Outflow=1.01 cfs 3,636 cf
Reach 5R: Overflow	Inflow=0.00 cfs 0 cf Outflow=0.00 cfs 0 cf
Reach 6R: 21" RCP	Avg. Flow Depth=1.11' Max Vel=7.14 fps Inflow=11.56 cfs 35,892 cf 21.0" Round Pipe n=0.013 L=25.0' S=0.0100 '/' Capacity=15.85 cfs Outflow=11.47 cfs 35,890 cf
Reach 7R: 18" RCP	Avg. Flow Depth=0.32' Max Vel=6.94 fps Inflow=1.92 cfs 9,881 cf 18.0" Round Pipe n=0.013 L=60.0' S=0.0333 '/' Capacity=19.18 cfs Outflow=1.91 cfs 9,881 cf
Reach 8R: 18" RCP	Avg. Flow Depth=0.84' Max Vel=5.10 fps Inflow=5.24 cfs 16,732 cf 18.0" Round Pipe n=0.013 L=170.0' S=0.0068 '/' Capacity=8.64 cfs Outflow=5.11 cfs 16,724 cf
Reach 9R: 18" RCP	Avg. Flow Depth=0.85' Max Vel=4.93 fps Inflow=5.11 cfs 16,724 cf 18.0" Round Pipe n=0.013 L=45.0' S=0.0062 '/' Capacity=8.29 cfs Outflow=5.08 cfs 16,721 cf
Reach 10R: 24" RCP	Avg. Flow Depth=1.58' Max Vel=7.38 fps Inflow=19.66 cfs 63,456 cf 24.0" Round Pipe n=0.013 L=100.0' S=0.0081 '/' Capacity=20.36 cfs Outflow=19.50 cfs 63,443 cf
Reach 11R: 15" RCP	Avg. Flow Depth=0.77' Max Vel=5.74 fps Inflow=4.61 cfs 14,547 cf 15.0" Round Pipe n=0.013 L=250.0' S=0.0102 '/' Capacity=6.52 cfs Outflow=4.46 cfs 14,538 cf

Reach 12R: 24" RCP Avg. Flow Depth=1.48' Max Vel=8.15 fps Inflow=20.35 cfs 66,682 cf
24.0" Round Pipe n=0.013 L=20.0' S=0.0100 '/ Capacity=22.62 cfs Outflow=20.32 cfs 66,680 cf

Reach 13R: 12" RCP Avg. Flow Depth=0.40' Max Vel=3.26 fps Inflow=0.97 cfs 3,243 cf
12.0" Round Pipe n=0.013 L=260.0' S=0.0063 '/ Capacity=2.84 cfs Outflow=0.91 cfs 3,240 cf

Reach 14R: 21" RCP Avg. Flow Depth=1.75' Max Vel=6.13 fps Inflow=15.58 cfs 37,116 cf
21.0" Round Pipe n=0.013 L=30.0' S=0.0067 '/ Capacity=12.94 cfs Outflow=13.10 cfs 37,116 cf

Reach 15R: Overflow Inflow=0.00 cfs 0 cf
Outflow=0.00 cfs 0 cf

Reach 17R: Overflow Inflow=2.08 cfs 7,378 cf
Outflow=2.08 cfs 7,378 cf

Reach 40R: 21" RCP Avg. Flow Depth=0.35' Max Vel=2.89 fps Inflow=1.00 cfs 3,636 cf
21.0" Round Pipe n=0.013 L=135.0' S=0.0051 '/ Capacity=11.33 cfs Outflow=0.97 cfs 3,633 cf

Reach 41R: 21" RCP Avg. Flow Depth=0.35' Max Vel=2.93 fps Inflow=1.01 cfs 3,636 cf
21.0" Round Pipe n=0.013 L=40.0' S=0.0052 '/ Capacity=11.48 cfs Outflow=1.00 cfs 3,636 cf

Reach 42R: 21" RCP Avg. Flow Depth=1.10' Max Vel=7.15 fps Inflow=11.47 cfs 35,890 cf
21.0" Round Pipe n=0.013 L=55.0' S=0.0100 '/ Capacity=15.85 cfs Outflow=11.43 cfs 35,886 cf

Reach 43R: 12" RCP Avg. Flow Depth=0.40' Max Vel=3.09 fps Inflow=0.91 cfs 3,240 cf
12.0" Round Pipe n=0.013 L=95.0' S=0.0058 '/ Capacity=2.71 cfs Outflow=0.89 cfs 3,239 cf

Reach 45R: 21" RCP Avg. Flow Depth=1.29' Max Vel=8.01 fps Inflow=15.27 cfs 48,922 cf
21.0" Round Pipe n=0.013 L=50.0' S=0.0116 '/ Capacity=17.07 cfs Outflow=15.23 cfs 48,918 cf

Reach 63R: Overflow Inflow=0.00 cfs 0 cf
Outflow=0.00 cfs 0 cf

Reach DCP1: DESIGN POINT #1 Inflow=9.35 cfs 27,184 cf
Outflow=9.35 cfs 27,184 cf

Reach DCP2: DESIGN POINT #2 Inflow=5.86 cfs 18,640 cf
Outflow=5.86 cfs 18,640 cf

Reach DCP3: DESIGN POINT #3 Inflow=27.02 cfs 90,614 cf
Outflow=27.02 cfs 90,614 cf

Pond 1P: POND #1 Peak Elev=98.38' Storage=10,476 cf Inflow=14.93 cfs 48,999 cf
Discarded=1.02 cfs 32,692 cf Primary=7.64 cfs 16,296 cf Outflow=8.66 cfs 48,988 cf

Pond 2P: POND #2 Peak Elev=97.31' Storage=10,303 cf Inflow=11.43 cfs 35,886 cf
Discarded=0.98 cfs 25,996 cf Primary=1.92 cfs 9,881 cf Outflow=2.90 cfs 35,877 cf

Pond 3P: POND #3 Peak Elev=96.67' Storage=13,656 cf Inflow=21.88 cfs 71,606 cf
Discarded=0.95 cfs 33,880 cf Primary=15.58 cfs 37,116 cf Outflow=16.53 cfs 70,996 cf

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Type III 24-hr 100 Year Event Rainfall=6.80"

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Pond PE: Exist. infiltration

Peak Elev=92.78' Storage=543 cf Inflow=0.51 cfs 1,803 cf

Discarded=0.08 cfs 1,803 cf Primary=0.00 cfs 0 cf Outflow=0.08 cfs 1,803 cf

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cf
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cf

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Type III 24-hr 100 Year Event Rainfall=6.80"

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100 Year **Link** Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

100 Year [Link](#) Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce Inflow=0.00 cfs 0 cfs
Area= 1,500 sf 100.00% Imperv. Primary=0.00 cfs 0 cfs

Summary for Subcatchment 1B: Ex. Bank Roof

Runoff = 0.51 cfs @ 12.07 hrs, Volume= 1,803 cf, Depth> 6.56"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
* 3,300	98	Bank Roof
3,300		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIRECT

Summary for Subcatchment 2: 2P

Runoff = 9.31 cfs @ 12.07 hrs, Volume= 28,890 cf, Depth> 4.51"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
* 1,675	98	Exisitng houses
56,411	74	>75% Grass cover, Good, HSG C
* 17,914	98	Roadway
* 913	98	Sidewalks
76,913	80	Weighted Average
56,411		73.34% Pervious Area
20,502		26.66% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 2B: Ex. Bank Parking Lot

Runoff = 5.14 cfs @ 12.07 hrs, Volume= 16,490 cf, Depth> 5.40"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
22,000	98	Paved parking & roofs
14,670	74	>75% Grass cover, Good, HSG C
36,670	88	Weighted Average
14,670		40.01% Pervious Area
22,000		59.99% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, direct

Summary for Subcatchment 3: 3P

Runoff = 1.08 cfs @ 12.07 hrs, Volume= 3,640 cf, Depth> 6.09"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
* 1,158	98	sidewalks
* 4,881	98	Roadway
* 1,138	74	Lawn
7,177	94	Weighted Average
1,138		15.86% Pervious Area
6,039		84.14% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 3B: Ex. Landscape

Runoff = 0.33 cfs @ 12.08 hrs, Volume= 1,008 cf, Depth> 3.87"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
3,128	74	>75% Grass cover, Good, HSG C
3,128		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 4P: 7

Runoff = 12.62 cfs @ 12.15 hrs, Volume= 46,121 cf, Depth> 3.86"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
* 2,871	98	exisitng houses
76,300	74	>75% Grass cover, Good, HSG C
64,170	73	Woods, Fair, HSG C
143,341	74	Weighted Average
140,470		98.00% Pervious Area
2,871		2.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.4	50	0.0100	0.11		Sheet Flow, Sheet flow Grass: Short n= 0.150 P2= 3.20"
3.3	450	0.0200	2.28		Shallow Concentrated Flow, Shallow Unpaved Kv= 16.1 fps
0.1	350	1.0000	47.18	283.08	Channel Flow, River Flow Area= 6.0 sf Perim= 8.0' r= 0.75' n= 0.026 Earth, clean & winding
10.8	850	Total			

Summary for Subcatchment 5: 5P

Runoff = 4.61 cfs @ 12.07 hrs, Volume= 14,547 cf, Depth> 5.06"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
* 13,584	98	roadway
* 2,131	98	sidewalk
* 18,793	74	lawn
34,508	85	Weighted Average
18,793		54.46% Pervious Area
15,715		45.54% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 6: 6P

Runoff = 10.35 cfs @ 12.07 hrs, Volume= 32,201 cf, Depth> 4.62"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	24,384	98	Roadway
*	3,217	74	Sidewalk
*	56,101	74	Lawn
	83,702	81	Weighted Average
	59,318		70.87% Pervious Area
	24,384		29.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 7: 7P

Runoff = 5.24 cfs @ 12.07 hrs, Volume= 16,732 cf, Depth> 5.28"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	18,289	98	Roadway
*	2,124	98	Sidewalks
*	17,590	74	lawn
	38,003	87	Weighted Average
	17,590		46.29% Pervious Area
	20,413		53.71% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 8: 8P

Runoff = 0.97 cfs @ 12.07 hrs, Volume= 3,243 cf, Depth> 5.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	4,366	98	roadway
*	868	98	sidewalks
*	1,285	74	Lawn
	6,519	93	Weighted Average
	1,285		19.71% Pervious Area
	5,234		80.29% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 9: 9P

Runoff = 1.44 cfs @ 12.07 hrs, Volume= 4,908 cf, Depth> 6.20"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	7,082	98	rdwy
*	1,213	98	sidewalks
*	1,199	74	grass
	9,494	95	Weighted Average
	1,199		12.63% Pervious Area
	8,295		87.37% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 10: 10P

Runoff = 11.56 cfs @ 12.07 hrs, Volume= 35,892 cf, Depth> 4.51"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	1,136	98	existing houses
*	2,378	98	sidewalks
*	20,243	98	Roadway
*	71,798	74	Lawn
	95,555	80	Weighted Average
	71,798		75.14% Pervious Area
	23,757		24.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, DIR

Summary for Subcatchment 11: 11P

Runoff = 4.44 cfs @ 12.08 hrs, Volume= 13,732 cf, Depth> 3.87"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	42,474	74	Lawn
*	154	98	Exist House
	42,628	74	Weighted Average
	42,474		99.64% Pervious Area
	154		0.36% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Summary for Subcatchment 24S: Lot 15

Runoff = 0.23 cfs @ 12.07 hrs, Volume= 820 cf, Depth> 6.56"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 40S: Lot 13 house-Lawn

Runoff = 1.59 cfs @ 12.08 hrs, Volume= 4,926 cf, Depth> 4.08"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	1,500	98	House
*	13,000	74	Lawn
	14,500	76	Weighted Average
	13,000		89.66% Pervious Area
	1,500		10.34% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 41S: Lot 12

Runoff = 0.23 cfs @ 12.07 hrs, Volume= 820 cf, Depth> 6.56"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 42S: Lot 11

Runoff = 0.23 cfs @ 12.07 hrs, Volume= 820 cf, Depth> 6.56"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 43S: Lot 14

Runoff = 0.23 cfs @ 12.07 hrs, Volume= 820 cf, Depth> 6.56"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

	Area (sf)	CN	Description
*	1,500	98	
	1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 44S: Lot 16

Runoff = 0.23 cfs @ 12.07 hrs, Volume= 820 cf, Depth> 6.56"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 45S: Lot 10

Runoff = 0.23 cfs @ 12.07 hrs, Volume= 820 cf, Depth> 6.56"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 46S: Lot 8

Runoff = 0.23 cfs @ 12.07 hrs, Volume= 820 cf, Depth> 6.56"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 47S: Lot 9

Runoff = 0.23 cfs @ 12.07 hrs, Volume= 820 cf, Depth> 6.56"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

Summary for Subcatchment 49S: Lot 7

Runoff = 0.23 cfs @ 12.07 hrs, Volume= 820 cf, Depth> 6.56"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100 Year Event Rainfall=6.80"

Area (sf)	CN	Description
* 1,500	98	
1,500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry,

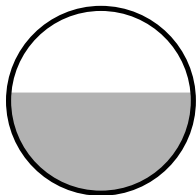
Summary for Reach 1R: 18" RCP

Inflow Area = 134,688 sf, 44.06% Impervious, Inflow Depth > 1.54" for 100 Year Event event
Inflow = 7.80 cfs @ 12.22 hrs, Volume= 17,303 cf
Outflow = 7.78 cfs @ 12.22 hrs, Volume= 17,303 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 7.92 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 1.56 fps, Avg. Travel Time= 0.6 min

Peak Storage= 59 cf @ 12.22 hrs
Average Depth at Peak Storage= 0.82'
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 13.56 cfs

18.0" Round Pipe
n= 0.013
Length= 60.0' Slope= 0.0167 '/
Inlet Invert= 94.00', Outlet Invert= 93.00'

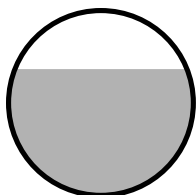
**Summary for Reach 2R: 24" RCP**

Inflow Area = 128,260 sf, 43.69% Impervious, Inflow Depth > 4.58" for 100 Year Event event
Inflow = 14.96 cfs @ 12.09 hrs, Volume= 49,003 cf
Outflow = 14.93 cfs @ 12.09 hrs, Volume= 48,999 cf, Atten= 0%, Lag= 0.1 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 6.54 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.14 fps, Avg. Travel Time= 0.2 min

Peak Storage= 69 cf @ 12.09 hrs
Average Depth at Peak Storage= 1.37'
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 18.47 cfs

24.0" Round Pipe
n= 0.013
Length= 30.0' Slope= 0.0067 '/
Inlet Invert= 95.65', Outlet Invert= 95.45'

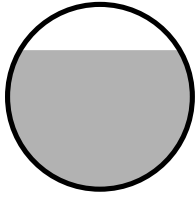
**Summary for Reach 3R: 21" RCP**

Inflow Area = 91,590 sf, 37.17% Impervious, Inflow Depth > 4.26" for 100 Year Event event
Inflow = 10.05 cfs @ 12.08 hrs, Volume= 32,523 cf
Outflow = 9.94 cfs @ 12.09 hrs, Volume= 32,512 cf, Atten= 1%, Lag= 0.8 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 5.19 fps, Min. Travel Time= 0.4 min
Avg. Velocity = 1.70 fps, Avg. Travel Time= 1.2 min

Peak Storage= 233 cf @ 12.09 hrs
Average Depth at Peak Storage= 1.32'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.02 cfs

21.0" Round Pipe
n= 0.013
Length= 120.0' Slope= 0.0048 '/
Inlet Invert= 96.23', Outlet Invert= 95.65'

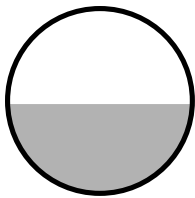
**Summary for Reach 4R: 12" RCP**

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 6.09" for 100 Year Event event
Inflow = 1.08 cfs @ 12.07 hrs, Volume= 3,640 cf
Outflow = 1.01 cfs @ 12.12 hrs, Volume= 3,636 cf, Atten= 6%, Lag= 2.7 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.82 fps, Min. Travel Time= 1.4 min
Avg. Velocity = 0.95 fps, Avg. Travel Time= 4.2 min

Peak Storage= 90 cf @ 12.09 hrs
Average Depth at Peak Storage= 0.48'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.25 cfs

12.0" Round Pipe
n= 0.013
Length= 240.0' Slope= 0.0040 '/
Inlet Invert= 98.01', Outlet Invert= 97.05'

**Summary for Reach 5R: Overflow**

Inflow Area = 10,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 6R: 21" RCP

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 4.06" for 100 Year Event event
Inflow = 11.56 cfs @ 12.07 hrs, Volume= 35,892 cf
Outflow = 11.47 cfs @ 12.08 hrs, Volume= 35,890 cf, Atten= 1%, Lag= 0.1 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 7.14 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.57 fps, Avg. Travel Time= 0.2 min

Peak Storage= 40 cf @ 12.08 hrs

Average Depth at Peak Storage= 1.11'

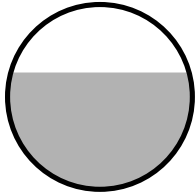
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 15.85 cfs

21.0" Round Pipe

n= 0.013

Length= 25.0' Slope= 0.0100 '/'

Inlet Invert= 95.00', Outlet Invert= 94.75'



Summary for Reach 7R: 18" RCP

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth = 1.12" for 100 Year Event event

Inflow = 1.92 cfs @ 12.46 hrs, Volume= 9,881 cf

Outflow = 1.91 cfs @ 12.47 hrs, Volume= 9,881 cf, Atten= 0%, Lag= 0.4 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 6.94 fps, Min. Travel Time= 0.1 min

Avg. Velocity= 4.99 fps, Avg. Travel Time= 0.2 min

Peak Storage= 17 cf @ 12.47 hrs

Average Depth at Peak Storage= 0.32'

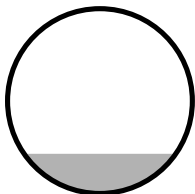
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 19.18 cfs

18.0" Round Pipe

n= 0.013

Length= 60.0' Slope= 0.0333 '/'

Inlet Invert= 92.00', Outlet Invert= 90.00'



Summary for Reach 8R: 18" RCP

Inflow Area = 38,003 sf, 53.71% Impervious, Inflow Depth > 5.28" for 100 Year Event event

Inflow = 5.24 cfs @ 12.07 hrs, Volume= 16,732 cf

Outflow = 5.11 cfs @ 12.09 hrs, Volume= 16,724 cf, Atten= 3%, Lag= 1.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 5.10 fps, Min. Travel Time= 0.6 min

Avg. Velocity= 1.75 fps, Avg. Travel Time= 1.6 min

Peak Storage= 173 cf @ 12.08 hrs

Average Depth at Peak Storage= 0.84'

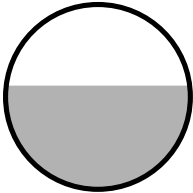
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 8.64 cfs

18.0" Round Pipe

n= 0.013

Length= 170.0' Slope= 0.0068 '/'

Inlet Invert= 95.62', Outlet Invert= 94.47'



Summary for Reach 9R: 18" RCP

Inflow Area = 38,003 sf, 53.71% Impervious, Inflow Depth > 5.28" for 100 Year Event event

Inflow = 5.11 cfs @ 12.09 hrs, Volume= 16,724 cf

Outflow = 5.08 cfs @ 12.10 hrs, Volume= 16,721 cf, Atten= 1%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 4.93 fps, Min. Travel Time= 0.2 min

Avg. Velocity= 1.70 fps, Avg. Travel Time= 0.4 min

Peak Storage= 47 cf @ 12.09 hrs

Average Depth at Peak Storage= 0.85'

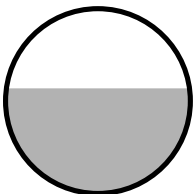
Bank-Full Depth= 1.50' Flow Area= 1.8 sf, Capacity= 8.29 cfs

18.0" Round Pipe

n= 0.013

Length= 45.0' Slope= 0.0062 '/'

Inlet Invert= 94.47', Outlet Invert= 94.19'



Summary for Reach 10R: 24" RCP

Inflow Area = 169,713 sf, 43.61% Impervious, Inflow Depth > 4.49" for 100 Year Event event

Inflow = 19.66 cfs @ 12.09 hrs, Volume= 63,456 cf

Outflow = 19.50 cfs @ 12.10 hrs, Volume= 63,443 cf, Atten= 1%, Lag= 0.4 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 7.38 fps, Min. Travel Time= 0.2 min

Avg. Velocity= 2.63 fps, Avg. Travel Time= 0.6 min

Peak Storage= 267 cf @ 12.09 hrs

Average Depth at Peak Storage= 1.58'

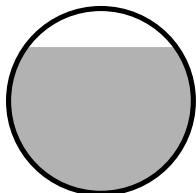
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 20.36 cfs

24.0" Round Pipe

n= 0.013

Length= 100.0' Slope= 0.0081 '/'

Inlet Invert= 93.61', Outlet Invert= 92.80'

**Summary for Reach 11R: 15" RCP**

Inflow Area = 36,008 sf, 47.81% Impervious, Inflow Depth > 4.85" for 100 Year Event event

Inflow = 4.61 cfs @ 12.07 hrs, Volume= 14,547 cf

Outflow = 4.46 cfs @ 12.10 hrs, Volume= 14,538 cf, Atten= 3%, Lag= 1.5 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 5.74 fps, Min. Travel Time= 0.7 min

Avg. Velocity = 2.01 fps, Avg. Travel Time= 2.1 min

Peak Storage= 199 cf @ 12.09 hrs

Average Depth at Peak Storage= 0.77'

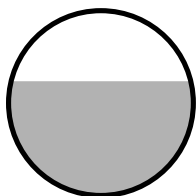
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 6.52 cfs

15.0" Round Pipe

n= 0.013

Length= 250.0' Slope= 0.0102 '/'

Inlet Invert= 96.16', Outlet Invert= 93.61'

**Summary for Reach 12R: 24" RCP**

Inflow Area = 176,232 sf, 44.97% Impervious, Inflow Depth > 4.54" for 100 Year Event event

Inflow = 20.35 cfs @ 12.10 hrs, Volume= 66,682 cf

Outflow = 20.32 cfs @ 12.10 hrs, Volume= 66,680 cf, Atten= 0%, Lag= 0.1 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 8.15 fps, Min. Travel Time= 0.0 min

Avg. Velocity = 2.71 fps, Avg. Travel Time= 0.1 min

Peak Storage= 50 cf @ 12.10 hrs

Average Depth at Peak Storage= 1.48'

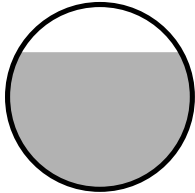
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 22.62 cfs

24.0" Round Pipe

n= 0.013

Length= 20.0' Slope= 0.0100 '/'

Inlet Invert= 92.80', Outlet Invert= 92.60'



Summary for Reach 13R: 12" RCP

Inflow Area = 6,519 sf, 80.29% Impervious, Inflow Depth > 5.97" for 100 Year Event event

Inflow = 0.97 cfs @ 12.07 hrs, Volume= 3,243 cf

Outflow = 0.91 cfs @ 12.11 hrs, Volume= 3,240 cf, Atten= 6%, Lag= 2.5 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 3.26 fps, Min. Travel Time= 1.3 min

Avg. Velocity= 1.08 fps, Avg. Travel Time= 4.0 min

Peak Storage= 76 cf @ 12.09 hrs

Average Depth at Peak Storage= 0.40'

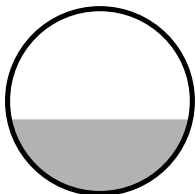
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.84 cfs

12.0" Round Pipe

n= 0.013

Length= 260.0' Slope= 0.0063 '/'

Inlet Invert= 95.00', Outlet Invert= 93.35'



Summary for Reach 14R: 21" RCP

Inflow Area = 190,732 sf, 42.33% Impervious, Inflow Depth = 2.34" for 100 Year Event event

Inflow = 15.58 cfs @ 12.17 hrs, Volume= 37,116 cf

Outflow = 13.10 cfs @ 12.10 hrs, Volume= 37,116 cf, Atten= 16%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 6.13 fps, Min. Travel Time= 0.1 min

Avg. Velocity= 2.98 fps, Avg. Travel Time= 0.2 min

Peak Storage= 72 cf @ 12.15 hrs

Average Depth at Peak Storage= 1.75'

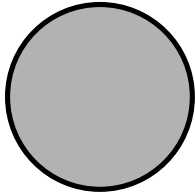
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 12.94 cfs

21.0" Round Pipe

n= 0.013

Length= 30.0' Slope= 0.0067 '/'

Inlet Invert= 92.20', Outlet Invert= 92.00'

**Summary for Reach 15R: Overflow**

Inflow Area = 7,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event

Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 17R: Overflow

Inflow Area = 13,500 sf, 100.00% Impervious, Inflow Depth > 6.56" for 100 Year Event event

Inflow = 2.08 cfs @ 12.07 hrs, Volume= 7,378 cf

Outflow = 2.08 cfs @ 12.07 hrs, Volume= 7,378 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach 40R: 21" RCP

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 6.08" for 100 Year Event event

Inflow = 1.00 cfs @ 12.12 hrs, Volume= 3,636 cf

Outflow = 0.97 cfs @ 12.15 hrs, Volume= 3,633 cf, Atten= 3%, Lag= 1.5 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Max. Velocity= 2.89 fps, Min. Travel Time= 0.8 min

Avg. Velocity= 0.97 fps, Avg. Travel Time= 2.3 min

Peak Storage= 46 cf @ 12.13 hrs

Average Depth at Peak Storage= 0.35'

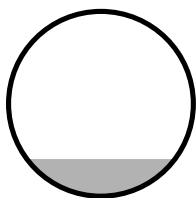
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.33 cfs

21.0" Round Pipe

n= 0.013

Length= 135.0' Slope= 0.0051 '/'

Inlet Invert= 96.92', Outlet Invert= 96.23'

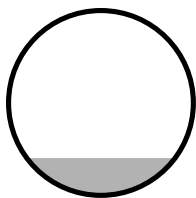
**Summary for Reach 41R: 21" RCP**

Inflow Area = 7,177 sf, 84.14% Impervious, Inflow Depth > 6.08" for 100 Year Event event
Inflow = 1.01 cfs @ 12.12 hrs, Volume= 3,636 cf
Outflow = 1.00 cfs @ 12.12 hrs, Volume= 3,636 cf, Atten= 1%, Lag= 0.4 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 2.93 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 0.98 fps, Avg. Travel Time= 0.7 min

Peak Storage= 14 cf @ 12.12 hrs
Average Depth at Peak Storage= 0.35'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 11.48 cfs

21.0" Round Pipe
n= 0.013
Length= 40.0' Slope= 0.0052 '/
Inlet Invert= 97.13', Outlet Invert= 96.92'

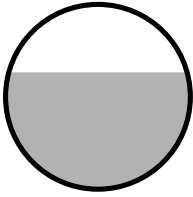
**Summary for Reach 42R: 21" RCP**

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 4.06" for 100 Year Event event
Inflow = 11.47 cfs @ 12.08 hrs, Volume= 35,890 cf
Outflow = 11.43 cfs @ 12.08 hrs, Volume= 35,886 cf, Atten= 0%, Lag= 0.3 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 7.15 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.57 fps, Avg. Travel Time= 0.4 min

Peak Storage= 88 cf @ 12.08 hrs
Average Depth at Peak Storage= 1.10'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 15.85 cfs

21.0" Round Pipe
n= 0.013
Length= 55.0' Slope= 0.0100 '/
Inlet Invert= 94.65', Outlet Invert= 94.10'

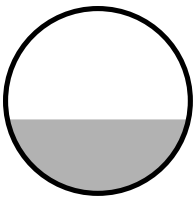
**Summary for Reach 43R: 12" RCP**

Inflow Area = 6,519 sf, 80.29% Impervious, Inflow Depth > 5.96" for 100 Year Event event
Inflow = 0.91 cfs @ 12.11 hrs, Volume= 3,240 cf
Outflow = 0.89 cfs @ 12.13 hrs, Volume= 3,239 cf, Atten= 3%, Lag= 1.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 3.09 fps, Min. Travel Time= 0.5 min
Avg. Velocity = 1.05 fps, Avg. Travel Time= 1.5 min

Peak Storage= 28 cf @ 12.12 hrs
Average Depth at Peak Storage= 0.40'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.71 cfs

12.0" Round Pipe
n= 0.013
Length= 95.0' Slope= 0.0058 '/
Inlet Invert= 93.35', Outlet Invert= 92.80'

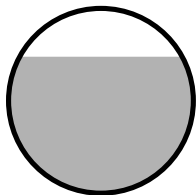
**Summary for Reach 45R: 21" RCP**

Inflow Area = 133,705 sf, 42.48% Impervious, Inflow Depth > 4.39" for 100 Year Event event
Inflow = 15.27 cfs @ 12.08 hrs, Volume= 48,922 cf
Outflow = 15.23 cfs @ 12.09 hrs, Volume= 48,918 cf, Atten= 0%, Lag= 0.2 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 8.01 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.81 fps, Avg. Travel Time= 0.3 min

Peak Storage= 95 cf @ 12.08 hrs
Average Depth at Peak Storage= 1.29'
Bank-Full Depth= 1.75' Flow Area= 2.4 sf, Capacity= 17.07 cfs

21.0" Round Pipe
n= 0.013
Length= 50.0' Slope= 0.0116 '/
Inlet Invert= 94.19', Outlet Invert= 93.61'



Summary for Reach 63R: Overflow

Inflow Area = 7,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
 Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
 Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP1: DESIGN POINT #1

Inflow Area = 240,743 sf, 38.88% Impervious, Inflow Depth > 1.36" for 100 Year Event event
 Inflow = 9.35 cfs @ 12.23 hrs, Volume= 27,184 cf
 Outflow = 9.35 cfs @ 12.23 hrs, Volume= 27,184 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP2: DESIGN POINT #2

Inflow Area = 59,622 sf, 26.75% Impervious, Inflow Depth > 3.75" for 100 Year Event event
 Inflow = 5.86 cfs @ 12.08 hrs, Volume= 18,640 cf
 Outflow = 5.86 cfs @ 12.08 hrs, Volume= 18,640 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Reach DCP3: DESIGN POINT #3

Inflow Area = 347,573 sf, 27.94% Impervious, Inflow Depth > 3.13" for 100 Year Event event
 Inflow = 27.02 cfs @ 12.14 hrs, Volume= 90,614 cf
 Outflow = 27.02 cfs @ 12.14 hrs, Volume= 90,614 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Summary for Pond 1P: POND #1

Inflow Area = 128,260 sf, 43.69% Impervious, Inflow Depth > 4.58" for 100 Year Event event
 Inflow = 14.93 cfs @ 12.09 hrs, Volume= 48,999 cf
 Outflow = 8.66 cfs @ 12.22 hrs, Volume= 48,988 cf, Atten= 42%, Lag= 7.8 min
 Discarded = 1.02 cfs @ 11.25 hrs, Volume= 32,692 cf
 Primary = 7.64 cfs @ 12.22 hrs, Volume= 16,296 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 98.38' @ 12.22 hrs Surf.Area= 5,325 sf Storage= 10,476 cf

Plug-Flow detention time= 27.6 min calculated for 48,988 cf (100% of inflow)

Center-of-Mass det. time= 27.5 min (825.9 - 798.4)

Volume	Invert	Avail.Storage	Storage Description
#1	95.40'	4,699 cf	Custom Stage Data (Irregular) Listed below 18,638 cf Overall - 6,891 cf Embedded = 11,746 cf x 40.0% Voids
#2	95.90'	6,891 cf	StormTech SC-740 x 150 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
		11,590 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
95.40	5,325	292.0	0	0	5,325
98.90	5,325	292.0	18,638	18,638	6,347

Device	Routing	Invert	Outlet Devices
#1	Discarded	95.40'	8.270 in/hr Exfiltration over Surface area
#2	Primary	96.60'	1.3' long Sharp-Crested Rectangular Weir 2 End Contraction(s) 5.0' Crest Height

Discarded OutFlow Max=1.02 cfs @ 11.25 hrs HW=95.44' (Free Discharge)

↑**1=Exfiltration** (Exfiltration Controls 1.02 cfs)

Primary OutFlow Max=7.52 cfs @ 12.22 hrs HW=98.35' (Free Discharge)

↑**2=Sharp-Crested Rectangular Weir** (Weir Controls 7.52 cfs @ 4.52 fps)

Summary for Pond 2P: POND #2

Inflow Area = 106,055 sf, 32.30% Impervious, Inflow Depth > 4.06" for 100 Year Event event
 Inflow = 11.43 cfs @ 12.08 hrs, Volume= 35,886 cf
 Outflow = 2.90 cfs @ 12.46 hrs, Volume= 35,877 cf, Atten= 75%, Lag= 22.9 min
 Discarded = 0.98 cfs @ 11.50 hrs, Volume= 25,996 cf
 Primary = 1.92 cfs @ 12.46 hrs, Volume= 9,881 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 97.31' @ 12.46 hrs Surf.Area= 5,143 sf Storage= 10,303 cf

Plug-Flow detention time= 32.6 min calculated for 35,877 cf (100% of inflow)

Center-of-Mass det. time= 32.4 min (840.6 - 808.2)

Volume	Invert	Avail.Storage	Storage Description
#1	94.00'	4,866 cf	Custom Stage Data (Irregular) Listed below 18,001 cf Overall - 5,834 cf Embedded = 12,166 cf x 40.0% Voids
#2	94.50'	5,834 cf	StormTech SC-740 x 127 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
		10,701 cf	Total Available Storage

NORTHSIDE FARM PROP Rev 6-6-16

Type III 24-hr 100 Year Event Rainfall=6.80"

Prepared by Microsoft

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Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
94.00	5,143	340.0	0	0	5,143
97.50	5,143	340.0	18,001	18,001	6,333

Device	Routing	Invert	Outlet Devices
#1	Primary	94.80'	7.0" Vert. Orifice/Grate C= 0.600
#2	Discarded	94.00'	8.270 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.98 cfs @ 11.50 hrs HW=94.04' (Free Discharge)↑**2=Exfiltration** (Exfiltration Controls 0.98 cfs)**Primary OutFlow** Max=1.91 cfs @ 12.46 hrs HW=97.30' (Free Discharge)↑**1=Orifice/Grate** (Orifice Controls 1.91 cfs @ 7.16 fps)**Summary for Pond 3P: POND #3**

Inflow Area = 190,732 sf, 42.33% Impervious, Inflow Depth > 4.51" for 100 Year Event event
 Inflow = 21.88 cfs @ 12.10 hrs, Volume= 71,606 cf
 Outflow = 16.53 cfs @ 12.17 hrs, Volume= 70,996 cf, Atten= 24%, Lag= 4.6 min
 Discarded = 0.95 cfs @ 12.17 hrs, Volume= 33,880 cf
 Primary = 15.58 cfs @ 12.17 hrs, Volume= 37,116 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 96.67' @ 12.17 hrs Surf.Area= 4,796 sf Storage= 13,656 cf

Plug-Flow detention time= 55.4 min calculated for 70,849 cf (99% of inflow)
 Center-of-Mass det. time= 50.0 min (850.2 - 800.2)

Volume	Invert	Avail.Storage	Storage Description
#1	92.60'	15,169 cf	Custom Stage Data (Irregular) Listed below

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
92.60	1,856	237.0	0	0	1,856
93.00	2,259	255.0	822	822	2,568
94.00	2,890	264.0	2,568	3,390	3,021
95.00	3,557	280.0	3,218	6,607	3,765
96.00	4,269	295.0	3,908	10,515	4,509
97.00	5,050	313.0	4,654	15,169	5,432

Device	Routing	Invert	Outlet Devices
#1	Primary	94.80'	2.1' long Sharp-Crested Rectangular Weir 2 End Contraction(s) 3.0' Crest Height
#2	Discarded	92.60'	8.270 in/hr Exfiltration over Horizontal area Conductivity to Groundwater Elevation = 0.00'

Discarded OutFlow Max=0.94 cfs @ 12.17 hrs HW=96.65' (Free Discharge)↑**2=Exfiltration** (Controls 0.94 cfs)**Primary OutFlow** Max=15.31 cfs @ 12.17 hrs HW=96.65' (Free Discharge)↑**1=Sharp-Crested Rectangular Weir** (Weir Controls 15.31 cfs @ 4.78 fps)

Summary for Pond PE: Exist. infiltration

Inflow Area = 3,300 sf, 100.00% Impervious, Inflow Depth > 6.56" for 100 Year Event event
 Inflow = 0.51 cfs @ 12.07 hrs, Volume= 1,803 cf
 Outflow = 0.08 cfs @ 11.80 hrs, Volume= 1,803 cf, Atten= 84%, Lag= 0.0 min
 Discarded = 0.08 cfs @ 11.80 hrs, Volume= 1,803 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 92.78' @ 12.62 hrs Surf.Area= 323 sf Storage= 543 cf

Plug-Flow detention time= 48.3 min calculated for 1,803 cf (100% of inflow)
 Center-of-Mass det. time= 48.1 min (790.2 - 742.1)

Volume	Invert	Avail.Storage	Storage Description
#1	90.00'	320 cf	Custom Stage Data (Irregular) Listed below 800 cf Overall x 40.0% Voids
#2	91.00'	368 cf	StormTech SC-740 x 8 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
		688 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
90.00	200	60.0	0	0	200
94.00	200	60.0	800	800	440

Device	Routing	Invert	Outlet Devices
#1	Primary	93.50'	6.0" Vert. Orifice/Grate C= 0.600
#2	Discarded	90.00'	8.270 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.08 cfs @ 11.80 hrs HW=91.00' (Free Discharge)
 ↑**2=Exfiltration** (Exfiltration Controls 0.08 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=90.00' (Free Discharge)
 ↑**1=Orifice/Grate** (Controls 0.00 cfs)

Summary for Link 3A: Lot 3A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
 Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
 Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 4A: Lot 4a

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 5A: Lot 5

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 6a: Lot 6

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 17: Lot 17

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 18: Lot 18

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 19: Lot 19

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 20: Lot 20

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 21: Lot 21

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 22: Lot 22

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 23A: Lot 23A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 24A: Lot 24A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 25: Lot 25

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 26: Lot 26

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 27A: Lot 27A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 28A: Lot 28A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 29A: Lot 29A

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 32: Lot 32

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 33: Lot 33

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 34: Lot 34

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 35: Lot 35

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 36: Lot 36

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 37: Lot 37

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 38: Lot 38

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 39: Lot 39

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce

Summary for Link 40L: Lot 4a

Inflow Area = 1,500 sf, 100.00% Impervious, Inflow Depth = 0.00" for 100 Year Event event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

100 Year Event Primary Outflow Imported from NORTHSIDE FARM one house 4-10-16~Pond 25P.hce