City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Meeting Agenda - Final

Judiciary & Administration Committee

Tuesday, March 31, 2026 | **6:00 PM** | **Council Chambers, City Hall, First Floor**

This meeting is open for in-person attendance and will also be available through video conferencing. The meeting can be viewed (no participation) by visiting the Legislative Information Center Meetings calendar (https://cityoflacrosse.legistar.com/Calendar.aspx) - find the scheduled meeting and click on the "In Progress" video link to the far right in the meeting list.

Public comment is limited to agenda items; statements shall be restricted to the subject matter. If you wish to speak on an agenda item, please register in advance:

- Register online at https://www.cityoflacrosse.org/city-services/meeting-registration
- Contact the City Clerk's Office no later than 4:00p on the day of the meeting, with the following information: name, municipality of residence, if you are representing an organization or a person other than yourself at the meeting, and if you are speaking in favor, opposition or neutral.
- Sign up in person no less than ten (10) minutes before the start of the meeting.

If attending virtual and you wish to speak, contact the City Clerk's Office and we will provide you with the information necessary to join the meeting. Call 608-789-7510 or email cityclerk@cityoflacrosse.org.

Public hearings shall be limited to 30 minutes when there are opposing viewpoints from the public. In the absence of opposing viewpoints, public hearings are limited to 15 minutes. Individual speakers shall speak no more than three (3) minutes unless waived by the Chair or a majority of the committee.

Members of the public who would like to provide written comments on any agenda may do so by emailing cityclerk@cityoflacrosse.org, using a drop box outside of City Hall or mailing to City Clerk, 400 La Crosse Street, La Crosse WI 54601.

Call To Order

Roll Call

Agenda Items:

OLD BUSINESS

26-0144 Certified Survey Map - Lot 1, Certified Survey Map Number 67, Volume 19, Document Number 1761262, Located in the Northwest Quarter of the Northeast Quarter of Section 9, Township 15 North, Range 7 West, City of La Crosse, La Crosse County, Wisconsin and request for dedication of right-of-way and waiver of platting requirements.

Referred from March 2026 meetings.

NEW BUSINESS

25-0994 Resolution approving the Arts Board to be renamed as the Arts and Culture Board.

Sponsors: Washington-Spivey

26-0136 Application of A & S Foster LLC dba Bottoms Up for an Expansion of Alcohol Beverage License & Street Privilege Permit for a special event at 500 Copeland Ave on June 13, 2026.

26-0164 Various license applications pursuant to Chapters 4, 6, and/or 10 of the La Crosse Municipal Code for the license period 2025-2026 (April).

26-0254 Preliminary Plat of Featherstone Rise - Part of the Northwest 1/4 & Northeast 1/4 of the Northwest 1/4 of Section 7 and Part of the Southwest 1/4 & Southeast 1/4 of the Southwest 1/4 of Section 6, all in Township 15 North, Range 6 West, Town of Shelby, La Crosse County, Wisconsin.

Adjournment

Notice is further given that members of other governmental bodies may be present at the above scheduled meeting to gather information about a subject over which they have decision-making responsibility.

NOTICE TO PERSONS WITH A DISABILITY
Requests from persons with a disability who need assistance to participate in this meeting should call the City Clerk's office at (608) 789-7510 or send an email to ADAcityclerk@cityoflacrosse.org, with as much advance notice as possible.

Judiciary & Administration Committee Members:
Tamra Dickinson, Olivia Stine, Gary Padesky, Mackenzie Mindel, Jennifer Trost, Crystal Bedford, Lisa Weston

City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 26-0144

Agenda Date: 3/31/2026 **Version:** 1 **Status:** Referred

In Control: Judiciary & Administration Committee **File Type:** Plat/Certified Survey Map

Agenda Number: 2.

CITY OF LA CROSSE, WISCONSIN
CERTIFIED SURVEY MAP SUBMITTAL & REVIEW CHECK LIST

Rev. 1/2021

X CSM located in Extra-Territorial Jurisdiction (Council Approval Required) with request for Right-of-Way designation + Waiver of Plat. Requirements

_____ CSM located in the City (Department Review Only)

Extra-Territorial Review: BEFORE FILING WITH THE CITY, you must have both Town and County approvals. The Plan Commission may not consider any land division which did not have prior approval by the approving authorities for both the Town(s) and La Crosse County.

Town Board Approved: _____ (date) La Crosse County Approved: _____ (date)

To be completed by property owner/surveyor with submittal (*incomplete checklist may cause a delay in the review):

Current Tax Parcel Number(s): 17-50298-32

Map ID / Location: 2415 State Road

Surveyor: ISG Phone No. 608-789-2034

Property Owner: MKB Copper Rocks, LLC Phone No. 608-782-7368

***circle who should be called when CSM is ready for pick up.*

I am the property owner of record, and I approve of this CSM: _____
(property owner signature)

**In lieu of owner's signature on this submittal checklist, you may provide written communication from property owner.*

Purpose of CSM and intended outcome (or attach a letter explaining): _____

As part of the redevelopment, the existing site will be subdivided into four separate parcels. MKB Copper Rocks, LLC and Three Sixty are requesting that the requirement for a subdivision plat per ~~section 113-9 of the City of La Crosse Municipal Code of Ordinances be waived allowing for the use~~ of a Certified Survey Map (CSM) to divide the existing lot as part of the PDD process.

Have you worked with any other Department/staff person with regard to this CSM? If so, who?

~~Previously worked with planning staff on the site rezoning and CSM.~~

Have you received any other decision with regard to this CSM from any City board, commission or committee?

If so, which one and when? _____

It was approved 4 years ago by Plan Commission, J & A and city council when the property was rezoned for PDD in 2022.

To be completed by City Clerk at time of filing:

2/9/2026 Original Document for Signature. *(Clerk will make a photocopy which is distributed for review.)*

2/16/2026 Review Fee *(cash, check payable to City Treasurer or credit card with convenience fee)*

$300 ~~$200.00~~ – First Application

$150 ~~$100.00~~ – Reapplication of the same CSM

_____ Internal Review Routing & Email to County Surveyor. *(Initiated by Clerk with complete filing.)*

_____ Original CSM Issued. *(Upon approval, the original will be signed and available for pick up.)*

To be completed by each Reviewing Department before the City Clerk will sign.

BUILDING AND INSPECTIONS APPROVAL

This Certified Survey Map is hereby approved by the Chief Inspector.

Dated this _____ day of _____, 20___.

_____ Chief Inspector

Comments: _____

CITY UTILITIES (WATER – STORM – SEWER) APPROVAL

This Certified Survey Map is hereby approved by the City Utilities Office.

Dated this _____ day of _____, 20___.

Water ☐ Storm ☐ Sewer ☐

_____ Utilities Office

Comments: _____

ASSESSOR APPROVAL

This Certified Survey Map is hereby approved by the Assessor.

Dated this _____ day of _____, 20___.

_____ Assessor

Comments: _____

ENGINEERING DEPARTMENT APPROVAL

This Certified Survey Map is hereby approved by the City Surveyor.

Dated this _____ day of _____, 20__.

_____ Engineering/Surveyor

Comments: _____

PLANNING DEPARTMENT APPROVAL

This Certified Survey Map is hereby approved by the Planning Department.

Dated this _____ day of _____, 20__.

_____ Planner

Comments: _____

COMMON COUNCIL APPROVAL, if required

Resolved that this Certified Survey Map is hereby approved by the Common Council of the City of La Crosse.

Dated this _____ day of _____, 20__.

_____

Mayor *(required only if signing off prior to expiration of veto period)*

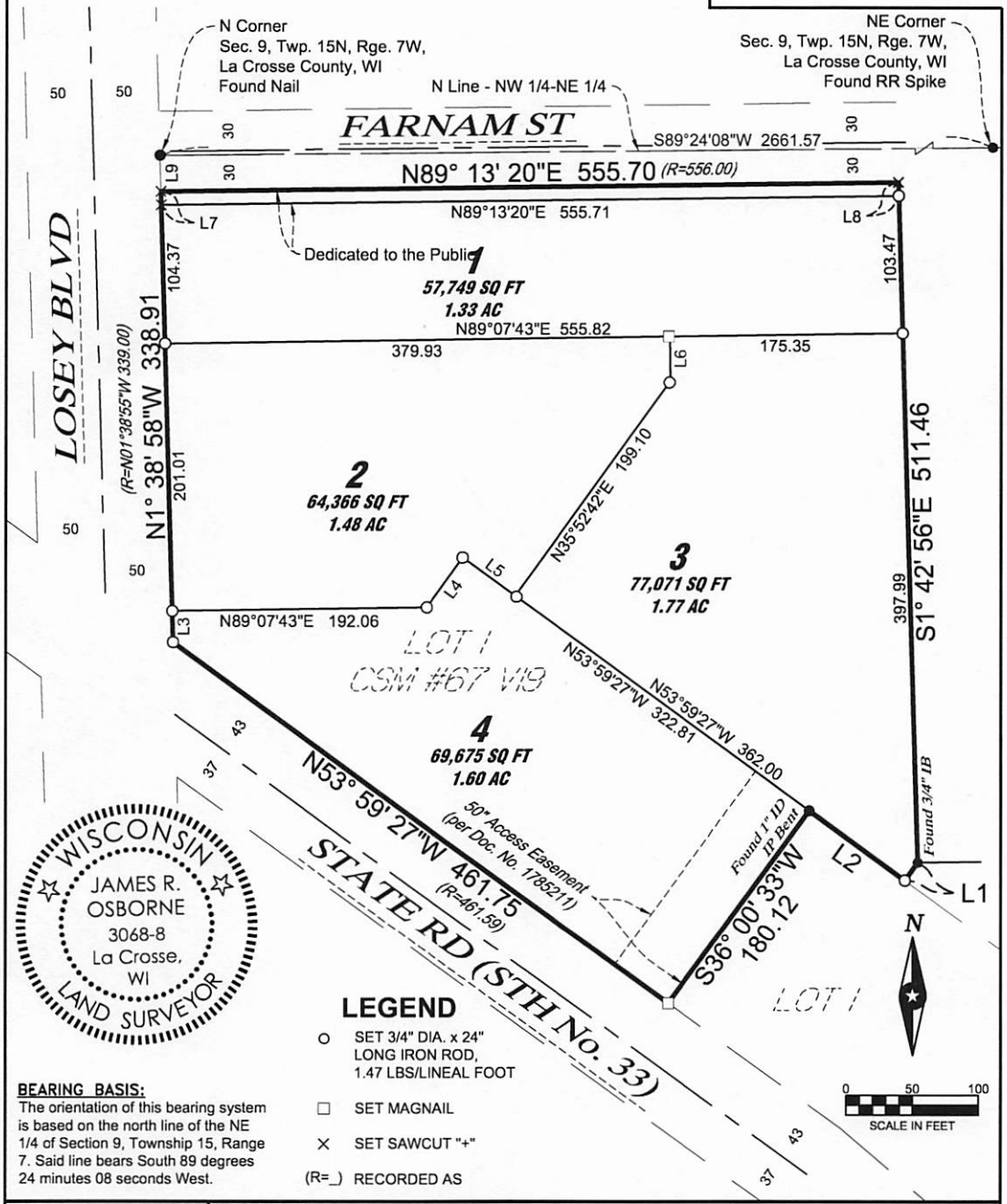
I hereby certify that the foregoing is a copy of a resolution adopted by the Common Council of the City of La Crosse.

Dated this _____ day of _____, 20__.

_____ City Clerk

CERTIFIED SURVEY MAP

LOT 1, CERTIFIED SURVEY MAP NUMBER 67, VOLUME 19, DOCUMENT NUMBER 1761262, LOCATED IN THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 9 , TOWNSHIP 15 NORTH, RANGE 7 WEST, CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.



LEGEND

- ○ SET 3/4" DIA. x 24" LONG IRON ROD, 1.47 LBS/LINEAL FOOT
- □ SET MAGNAIL
- × SET SAWCUT "+"
- (R=_) RECORDED AS

BEARING BASIS:
The orientation of this bearing system is based on the north line of the NE 1/4 of Section 9, Township 15, Range 7. Said line bears South 89 degrees 24 minutes 08 seconds West.

CERTIFIED SURVEY MAP

ISG

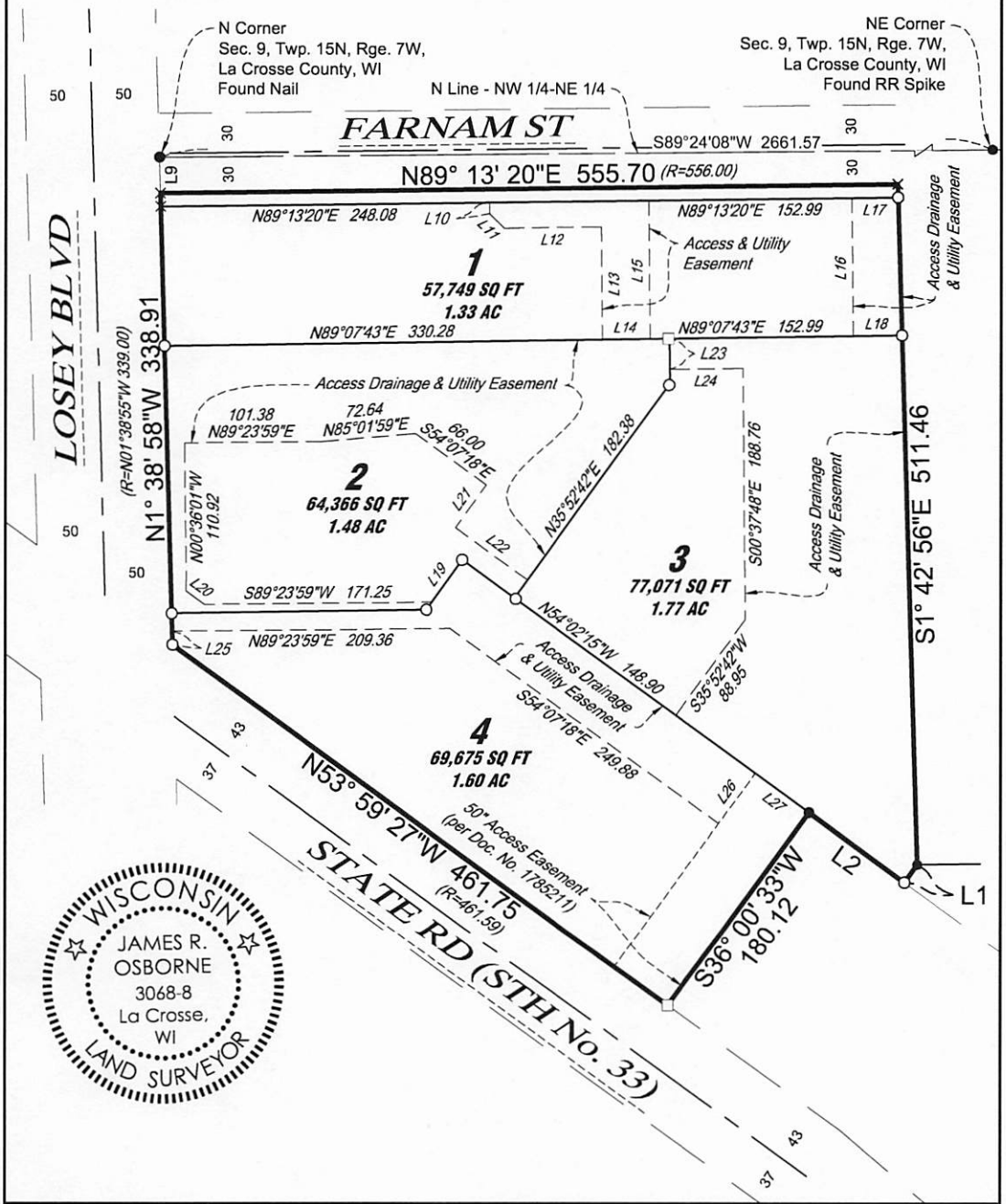
THIS DOCUMENT IS THE PROPERTY OF I+S GROUP, INC. THEY MAY NOT BE USED, COPIED OR DUPLICATED WITHOUT PRIOR WRITTEN CONSENT

PROJECT NO.:	21-25290
FILE NAME:	25290 CSM
DRAWN BY:	JRO
REVISED:	

SHEET 1 OF 3 SHEETS

CERTIFIED SURVEY MAP

LOT 1, CERTIFIED SURVEY MAP NUMBER 67, VOLUME 19, DOCUMENT NUMBER 1761262, LOCATED IN THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 9 , TOWNSHIP 15 NORTH, RANGE 7 WEST, CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.



CERTIFIED SURVEY MAP

PROJECT NO.:	21-25290
FILE NAME:	25290 CSM
DRAWN BY:	JRO
REVISED:	

SHEET 2 OF 3 SHEETS

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CERTIFIED SURVEY MAP

LOT 1, CERTIFIED SURVEY MAP NUMBER 67, VOLUME 19, DOCUMENT NUMBER 1761262, LOCATED IN THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 9, TOWNSHIP 15 NORTH, RANGE 7 WEST, CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN.

LAND DESCRIPTION:

Lot 1 of Certified Survey Map Number 67, Volume 19, Document Number 1761262 located in the Northwest Quarter of the Northeast Quarter of Section 9, Township 15 North, Range 7 West, City of La Crosse, La Crosse County, Wisconsin.

CERTIFICATION:

I, James R. Osborne, Professional Land Surveyor, hereby certify that I have surveyed and mapped the lands described hereon, and that this map is a representation thereof, to the best of my knowledge and that I have complied with Chapter 236.34 of the Wisconsin State Statutes as per agreement with MKB Copper Rocks LLC who has requested such survey.

CITY OF LA CROSSE APPROVAL CERTIFICATE

Resolved that this Certified Survey Map is hereby approved by the City of La Crosse.

Dated this_____day of _____, 20__.

_____
City Clerk

OWNERS CERTIFICATE

As owner, I hereby certify that I caused the land described herein to be surveyed, divided, mapped and dedicated as represented on the Certified Survey Map. I also certify that this Certified Survey Map is required to be submitted to the following for approval, the City of La Crosse.

Dated this_____day of _____, 20__.

_____
Name Title

State of Wisconsin)
County of _____) SS
Personally came before me this _____ day of _____, 20__, the above named Owner to me known to be the same person who executed the foregoing instrument and acknowledged the same.

(Notary Seal)_____ Notary Public, _____ County, Wisconsin
My commission expires:_____

NOTE: Field work was completed on February 21, 2022.

WISCONSIN
JAMES R. OSBORNE
3068-8
La Crosse, WI
LAND SURVEYOR

LINE TABLE

LINE #	LENGTH	DIRECTION
L1	16.41	S36°00'33"W
L2	89.18	N53°59'27"W
L3	23.52	N1°38'58"W
L4	46.23	N35°36'26"E
L5	48.83	S53°59'27"E
L6	33.59	N0°52'17"W
L7	10.00	N1°38'58"W
L8	10.00	S1°42'56"E
L9	26.95	S1°38'58"E
L10	8.26	S0°36'01"E
L11	15.36	S45°36'01"E
L12	73.25	N89°23'59"E
L13	84.45	S0°36'01"E
L14	35.75	N89°07'43"E
L15	103.76	N0°36'01"W
L16	103.51	N0°36'01"W
L17	34.77	N89°13'20"E
L18	36.79	N89°07'43"E
L19	39.17	S35°36'26"W
L20	17.18	N54°07'18"W
L21	39.36	S35°52'42"W
L22	67.01	S54°07'18"E
L23	22.80	S0°52'17"E
L24	55.00	N89°23'59"E
L25	10.13	N1°38'58"W
L26	46.68	N36°00'33"E
L27	50.00	S53°59'27"E

ISG

THIS DOCUMENT IS THE PROPERTY OF I+S GROUP, INC. THEY MAY NOT BE USED, COPIED OR DUPLICATED WITHOUT PRIOR WRITTEN CONSENT

CERTIFIED SURVEY MAP

PROJECT NO.:	21-25290
FILE NAME:	25290 CSM
DRAWN BY:	JRO
REVISED:	

SHEET 3 OF 3 SHEETS

Memorandum

Copper Rocks Waiver Request

To:	City of La Crosse Common Council
Date:	February 6, 2026
Subject:	Copper Rocks Waiver Request

MKB Copper Rocks, LLC (MKB) and Three Sixty Real Estate Solutions, LLC (Three Sixty) are working on a joint venture agreement to develop the former “Kmart” Site located at 2415 State Road, La Crosse. The proposed “Copper Rocks” project will consist of two townhome buildings and three mixed-use buildings. As part of the project, the existing lot will be subdivided into 4 separate parcels and a rezoning request to Planned Development District (PDD) will be made. MKB and Three Sixty are requesting a waiver of the requirement of a subdivision plat per 113-09, Waiver of Requirements, and request to use a Certified Survey Map in its place.

Office of City Clerk

February 17, 2026

MKB COPPER ROCKS LLC
C/O KIRK STOA
3800 EMERALD DR E
ONALASKA WI 54650

JAMES OSBORNE, SURVEYOR
201 MAIN ST, STE 1020
LA CROSSE WI 54601

Re: Certified Survey Map

We are in receipt of the *Certified Survey Map - Lot 1, Certified Survey Map Number 67, Volume 19, Document Number 1761262, Located in the Northwest Quarter of the Northeast Quarter of Section 9, Township 15 North, Range 7 West, City of La Crosse, La Crosse County, Wisconsin and request for dedication of right-of-way and waiver of platting requirements.*

The CSM will be considered at the following meetings:

City Plan Commission	**Monday, March 2, 2026 at 4:00 p.m.** **Council Chambers, City Hall – first floor**
Judiciary & Administration Committee	**Tuesday, March 3, 2026, at 6:00 p.m.** **Council Chambers, City Hall – first floor**
Common Council	**Thursday, March 12, 2026 at 6:00 p.m.** **Council Chambers, City Hall – first floor**

We recommend someone attend the CPC and J&A meetings where public hearing is allowed; there may be questions or comments from a committee or council member or another citizen. Public hearing is not allowed at the Council meeting, although you are welcome to attend. The CSM will appear on the agendas as file 26-0144 (the associated rezoning petition is file 26-0143 and is also scheduled for the meetings above).

Attendance at the meetings is allowed either in person or virtually. I will also be sending an email with the links to the agenda and Zoom meeting. If you have any questions, comments, or concerns; do not hesitate to contact me.

Sincerely,

Sondra Craig

Sondra Craig, Deputy City Clerk
(608) 789-7549
craigs@cityoflacrosse.org

Craig, Sondra

From: Reinhart, David
Sent: Tuesday, February 17, 2026 10:18 AM
To: Craig, Sondra
Subject: RE: For Review: CSM - 2415 State Road (Copper Rocks)

Sondra,

B&I cannot approve until the existing building is removed and the zoning approved.

Thanks,

David Reinhart
Chief Building Inspector
Building & Inspections
400 La Crosse St., La Crosse, WI 54601
Office: 608-789-7564

From: Craig, Sondra <craigs@cityoflacrosse.org>
Sent: Tuesday, February 17, 2026 9:35 AM
To: Hewitt, Dale <DHewitt@lacrossecounty.org>; Meyer, Bryan <bmeyer@lacrossecounty.org>; Acklin, Tim <Acklint@cityoflacrosse.org>; Asp, Brian <aspb@cityoflacrosse.org>; Coman, Kyle <comank@cityoflacrosse.org>; Crandall, Jay <CrandallJ@cityoflacrosse.org>; Erickson, Tina <ericksont@cityoflacrosse.org>; Gallager, Matthew <gallagerm@cityoflacrosse.org>; Holland, Michelle <hollandm@cityoflacrosse.org>; Neumann, Shannon <Neumanns@cityoflacrosse.org>; Reinhart, David <Reinhartd@cityoflacrosse.org>; Trane, Andrea <tranea@cityoflacrosse.org>
Subject: For Review: CSM - 2415 State Road (Copper Rocks)

Good morning,

Attached for your review is a CSM for 2415 State Road. They are requesting a waiver of City platting requirements and dedicating public right-of-way, so this will be routed through Council for approval as well as your review (March meetings). Waiver request is attached just for additional information, if needed for some of you.

Please let me know if you approve or have any comments that I can pass on to the owner/surveyor.

Thank you,

SONDRA CRAIG, WCMC (she/her)
Deputy City Clerk
City Clerk's Office
City of La Crosse
400 La Crosse Street
La Crosse WI 54601

craigs@cityoflacrosse.org

Direct: 608.789.7549 | Office: 608.789.7510
Visit the City Clerk webpage: https://www.cityoflacrosse.org/your-government/departments/city-clerk

City Clerk's Office hours:
8:00 a.m. to 4:30 p.m., Monday through Thursday
8:00 a.m. to 2:00 p.m., Friday
Public Service (walk in) hours 8:00 a.m. to 4:00 p.m. Monday through Thursday & 8:00 a.m. to 12:00 p.m. on Friday in the City Hall Lobby

Agenda Item 26-0144 (Tim Acklin)

Certified Survey Map - Lot 1, Certified Survey Map Number 67, Volume 19, Document Number 1761262, Located in the Northwest Quarter of the Northeast Quarter of Section 9, Township 15 North, Range 7 West, City of La Crosse, La Crosse County, Wisconsin and request for dedication of right-of-way and waiver of platting requirements.

General Location

Council District 17 in the Bluffside Neighborhood Association. Located at the NE corner of the intersection of State Rd and Losey Blvd as depicted on attached Map PC26-0144. The property was the former K-Mart site. The property is surrounded by residential to the north and east, and commercial uses to the west and south.

Background Information

This item is also related to agenda item #26-0143.

The subject CSM is part of the Copper Rocks Development. The applicant it requesting to subdivide the existing lot the former KMart building was located on into four separate parcels as part of the proposed, new development. The new development consists of five buildings that include three multi-story, mixed-use buildings and two townhome buildings. The townhome buildings are proposed to be located on one of the lots and each of the other three buildings will each be located on the other three.

Subdividing the parcel in this way will likely require drainage, utility and access agreements as part of the final approval of the CSM.

Recommendation of Other Boards and Commissions N/A

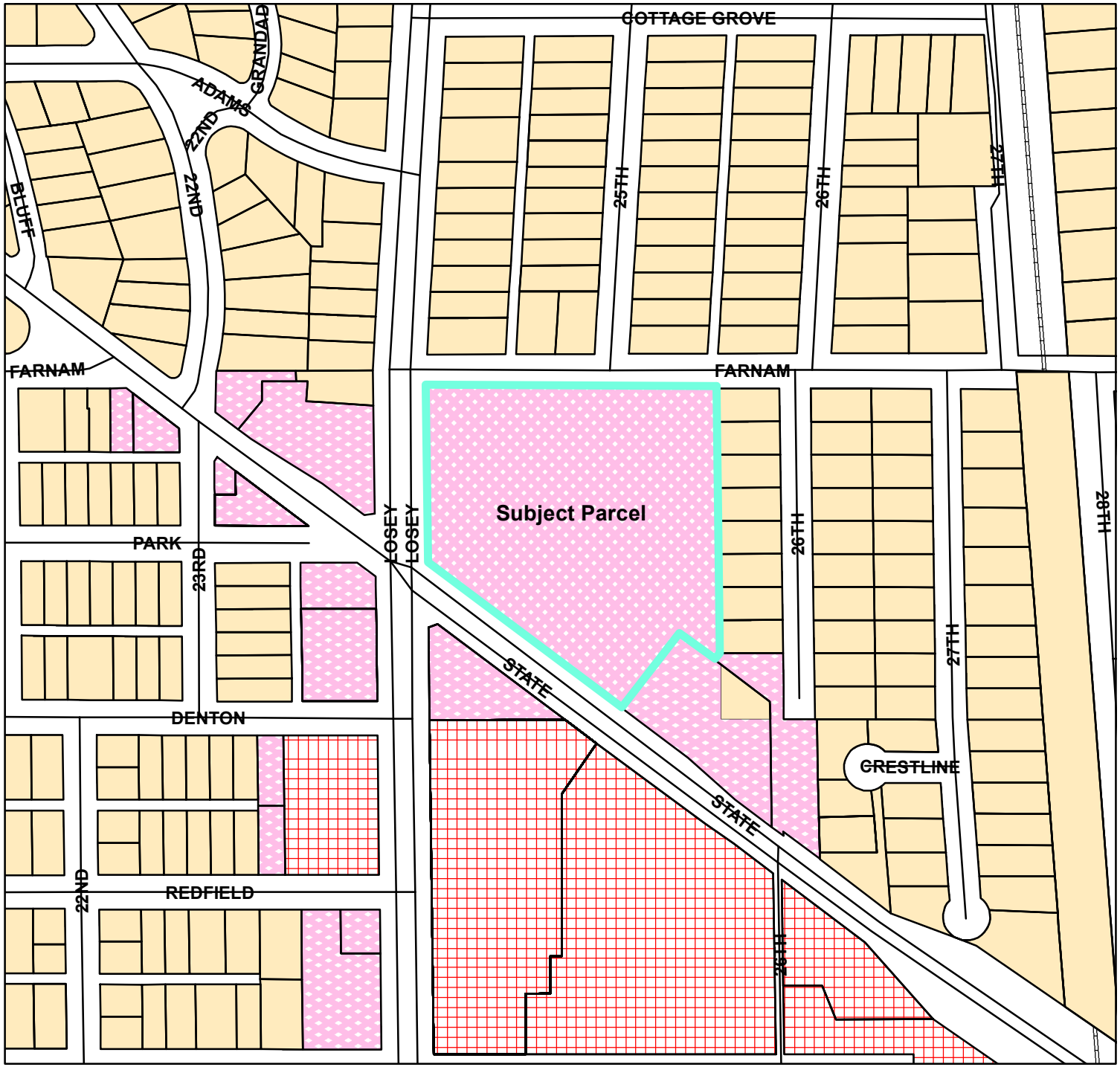
Consistency with Adopted Comprehensive Plan

This item is part of the Copper Rocks Development. The subject property is located within the State Road Corridor (C-5) in the Land Use component of the Comprehensive Plan. The plan states that future land uses within the State Road corridor should focus on developing a mix of medium-high density residential and commercial uses that are accessible via multiple modes of transportation. The proposed development could be considered both High Density Residential and Low-Intensity Mixed-Use which are both “Desirable” land uses in this corridor making it consistent with the Comprehensive Plan.

Staff Recommendation

Since submittal of this item staff have been made aware by the applicant’s design team that the submitted CSM was not the current version. As of February 25, 2026, an updated CSM had not been submitted to staff for review. **Until staff has the correct information to review this item is recommended for referral to the April cycle.**

Routing J&A 3.03.26



BASIC ZONING DISTRICTS

- R1 - SINGLE FAMILY
- R2 - RESIDENCE
- WR - WASHBURN RES
- R3 - SPECIAL RESIDENCE
- R4 - LOW DENSITY MULTI
- R5 - MULTIPLE DWELLING
- R6 - SPECIAL MULTIPLE
- PD- PLANNED DEVELOP
- TND - TRAD NEIGH DEV.
- C1 - LOCAL BUSINESS
- C2 - COMMERCIAL
- C3 - COMMUNITY BUSINESS
- M1 - LIGHT INDUSTRIAL
- M2 - HEAVY INDUSTRIAL
- PS - PUBLIC & SEMI-PUBLIC
- PL - PARKING LOT
- UT - PUBLIC UTILITY
- CON - CONSERVANCY
- FW - FLOODWAY
- A1 - AGRICULTURAL
- EA - EXCLUSIVE AG
- City Limits
- SUBJECT PROPERTY

0 130 260 520 Feet

City of La Crosse Planning Department - 2026

PC 26-0143
PC 26-0144



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- R1 - SINGLE FAMILY
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0 130 260 520 Feet

City of La Crosse Planning Department - 2026

PC 26-0143
PC 26-0144

26-0144
CERTIFIED COPY OF RESOLUTION ADOPTED AT A REGULAR MEETING OF THE *CITY PLAN COMMISSION* OF THE CITY OF LA CROSSE, WISCONSIN

STATE OF WISCONSIN)
) ss.
County of La Crosse, City of La Crosse)

I HEREBY CERTIFY that I am the duly appointed, qualified secretary of the City Plan Commission of the City of La Crosse and State of Wisconsin; that the following is a true and correct copy of a Resolution adopted at the regular meeting of the City Plan Commission of the City of La Crosse, State of Wisconsin, held on the second day of March 2026 at four o'clock, p.m., in the Council Chambers at La Crosse City Hall, 400 La Crosse Street, in said City; and that the same has been duly recorded in the minutes of said Commission and has never been rescinded or revoked.

BE IT RESOLVED: Certified Survey Map - Lot 1, Certified Survey Map Number 67, Volume 19, Document Number 1761262, Located in the Northwest Quarter of the Northeast Quarter of Section 9, Township 15 North, Range 7 West, City of La Crosse, La Crosse County, Wisconsin and request for dedication of right-of-way and waiver of platting requirements be referred for 30 days.

IN WITNESS WHEREOF, I have hereunto signed my name at La Crosse, Wisconsin, the second day of March 2026.



Carly Kessler, Planning & Development Administrative Specialist
Recording Secretary, City Plan Commission
City of La Crosse, Wisconsin

Agenda Item 26-0144 (Tim Acklin)

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Subdividing the parcel in this way will likely require drainage, utility and access agreements as part of the final approval of the CSM.

Recommendation of Other Boards and Commissions

This item was referred to the April 2026 legislative cycle by the Common Council at their March 2026 meeting.

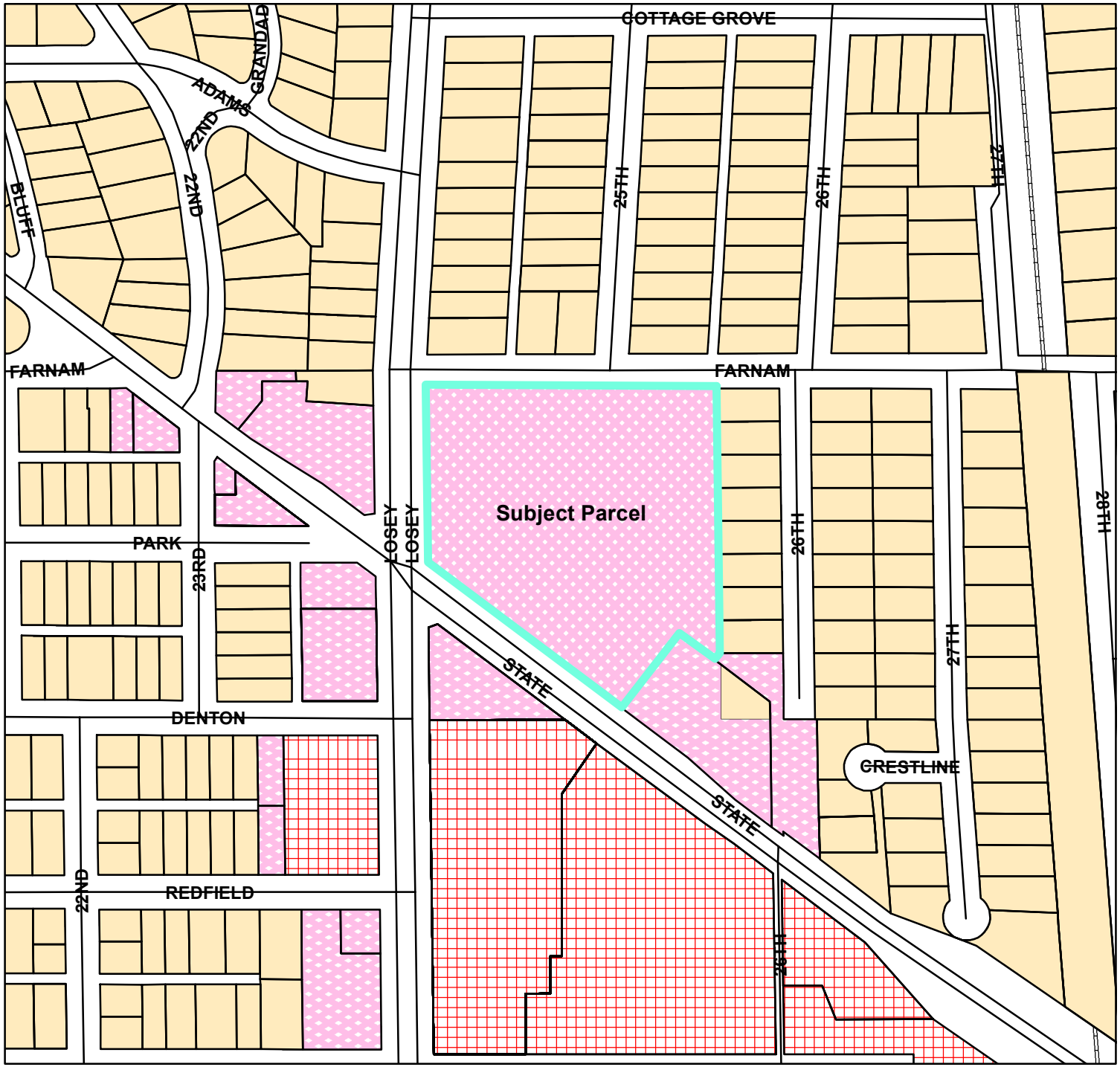
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Staff Recommendation

A final CSM still has not been submitted to staff for review as the applicant is currently working with staff on its finalization. It is anticipated that it will be completed and ready for the May 2026 legislative cycle. **This item is recommended for referral to the May cycle.**

Routing J&A 3.03.26



BASIC ZONING DISTRICTS

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0 130 260 520 Feet

City of La Crosse Planning Department - 2026

PC 26-0144



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- PS - PUBLIC & SEMI-PUBLIC
- PL - PARKING LOT
- UT - PUBLIC UTILITY
- CON - CONSERVANCY
- FW - FLOODWAY
- A1 - AGRICULTURAL
- EA - EXCLUSIVE AG
- City Limits
- SUBJECT PROPERTY

0 130 260 520 Feet

City of La Crosse Planning Department - 2026

City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 25-0994

Agenda Date: 3/31/2026 **Version:** 1 **Status:** New Business

In Control: Judiciary & Administration Committee **File Type:** Resolution

25-0994

Resolution approving the Arts Board to be renamed as Arts and Culture Board.

RESOLUTION

WHEREAS, the Arts Board was created by the Common Council in 2008 to ensure governmental attention to the arts and culture to benefit the larger community, and

WHEREAS, the goal of the City Arts Board was and remains to advance the City and region as a cultural destination, to be recognized as supportive of the arts, to retain young artists and attract new artists to the region, and to establish a vitality that attracts and retains business and their essential employees because of the city's commitment, attention, and support of the arts, and

WHEREAS, the renaming of the board would inclusively emphasize the cultural aspects of the board.

NOW, BE IT RESOLVED by the Common Council of the City of La Crosse that the City of La Crosse Arts Board is hereby renamed the City of La Crosse Arts and Culture Board.

BE IT FURTHER RESOLVED that City of La Crosse staff are hereby authorized to effectuate and implement this resolution.

CITY OF LA CROSSE

400 La Crosse Street
La Crosse, Wisconsin 54601
(608) 789-CITY
www.cityoflacrosse.org

LEGISLATION STAFF REPORT FOR COUNCIL

File ID 25-0994 Caption Resolution approving the Arts Board to be renamed as Arts and Culture Board.

Staff/Department Responsible for Legislation

Mayor

Requestor of Legislation

Mayor Shuandel Washington-Spivey

Location, if applicable

N/A

Summary/Purpose

To rename the Arts Board to Arts and Culture Board.

Background

One goal of the Arts Board is to advance the city and region as a cultural destination. Renaming the board would inclusively emphasize the cultural aspects of the board.

Fiscal Impact

N/A

Staff Recommendation

Approve

City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 26-0136

Agenda Date: 3/31/2026 **Version:** 1 **Status:** New Business

In Control: Judiciary & Administration Committee **File Type:** Application

City of La Crosse, Wisconsin

APPLICATION FOR *EXPANSION OF ALCOHOL BEVERAGE LICENSE AND STREET PRIVILEGE PERMIT*

*Must be filed in conjunction with a Special Event Application. Fee: $ _____

The undersigned licensee requests permission to expand the following license(s) onto public property for the purpose set forth below. Check all license that apply.

- ☑ Combination "Class B" Beer & Liquor
- ☐ Class "B" Beer
- ☐ "Class C" Wine

BUSINESS INFORMATION

Legal/Real Name: A+S Foster, LLC

Trade Name: Bottoms Up

Address: 500 Copeland Ave.

Phone Number: [redacted]

Name of Agent (If Corporation/LLC): Shannan Foster

EXPANSION INFORMATION

Date of Expansion - must be between Memorial Day and Labor Day: Sat. June 13th 2026

Time of Expansion – when alcohol will be sold, possessed or consumed in the public way:

Start 12 noon End 10pm

Describe Area of Expansion – Where Alcohol Will be Present: See Attached

Reason for Expansion: Block party

PERSON IN CHARGE

Name: First: Shannan Middle: G. Last: Foster

Address: Street: 500 Copeland Ave City: LaCrosse State: WI Zip Code: 54603

Phone Number: [redacted]

I have obtained written consent of at least two-thirds (2/3rds) of the abutting and adjacent property owners in support of this request for expansion and those signatures are attached hereto.

The above hereby makes application to expand its alcohol beverage license into a public way as described. I further state that I have received a copy of the Conditions for a Street Privilege Permit permitting the sale, possession and consumption of alcohol on a City street and agree to abide by the same and with all applicable state and local regulations including, but not limited, to the sale and service of alcoholic beverages, fencing and adherence to noise levels.

Signature of Applicant _____ Date 1-5-26

We, the undersigned, represent at least two-thirds (2/3rds) of the abutting and adjacent property owners who are affected by the ***Application for Expansion of Alcohol Beverage License and Street Privilege Permit*** requested by Bottoms Up. We further state that we support the event to be held on Sat. June 13th

NAME (Print) Tonya Rusk ADDRESS 415 Island Street

SIGNATURE Tonya N. Rusk (Waste Management) DATE 1.2.26.

NAME (Print) Matt Johnson ADDRESS 416 Island St

SIGNATURE [signature] DATE 1-2-26

NAME (Print) Justin F ADDRESS 526, 526, 524, 522, 520, 516, 514, 512 Copeland Ave

SIGNATURE [signature] DATE 01-2-26

NAME (Print) YVONNE GUZMAN ADDRESS 510 COPELAND AVE

SIGNATURE [signature] DATE 01-2-26

NAME (Print) _____ ADDRESS _____

SIGNATURE _____ DATE _____

NAME (Print) _____ ADDRESS _____

SIGNATURE _____ DATE _____

NAME (Print) _____ ADDRESS _____

SIGNATURE _____ DATE _____

NAME (Print) _____ ADDRESS _____

SIGNATURE _____ DATE _____

NAME (Print) _____ ADDRESS _____

SIGNATURE _____ DATE _____

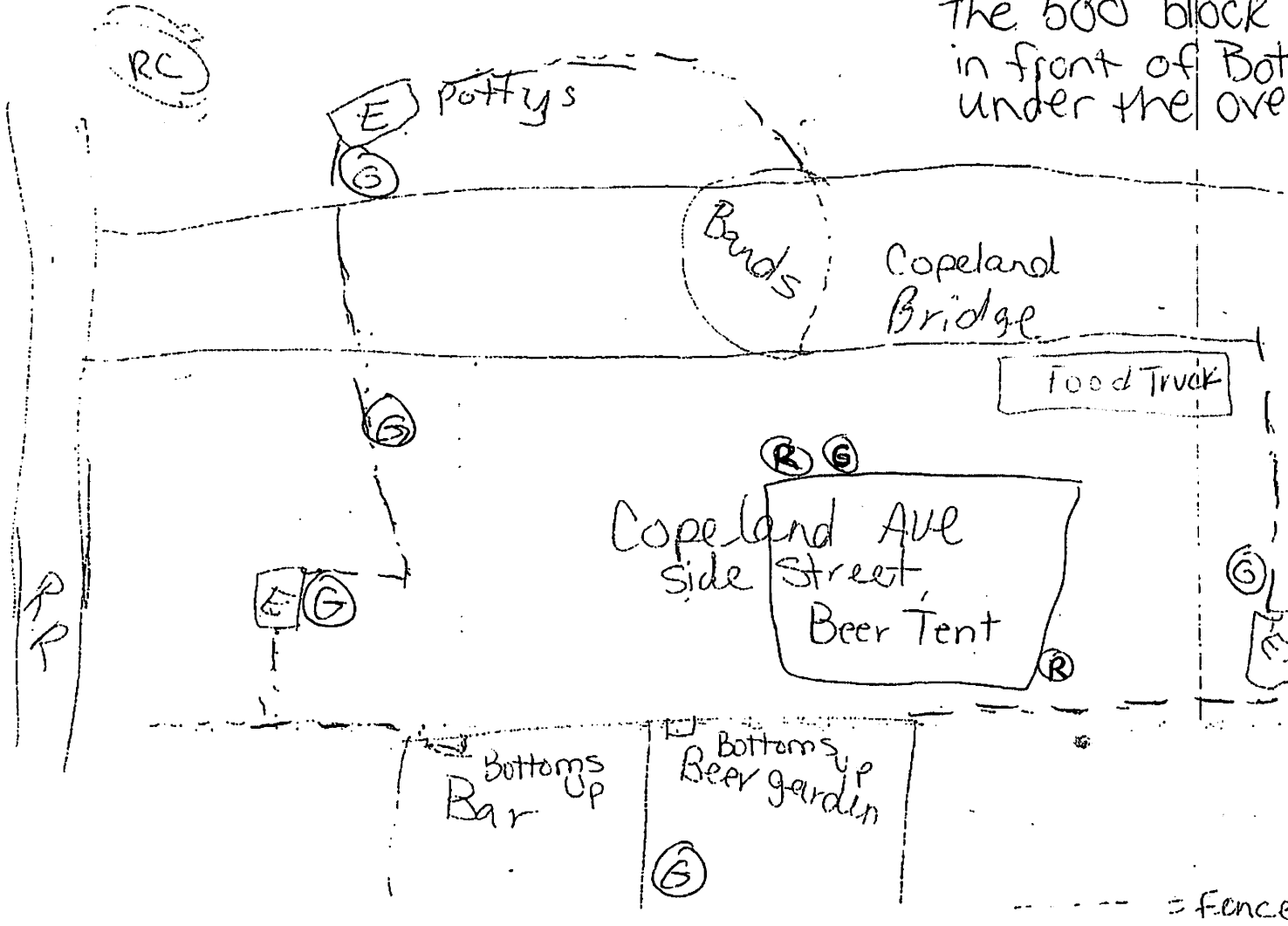
NAME (Print) _____ ADDRESS _____

SIGNATURE _____ DATE _____

· 1/2 block of Copeland Ave abutting and adjacent to 500 Copeland Ave extending under Copeland bridge.

sales | service description

The 500 block of Copeland Ave in front of Bottoms Up and under the overpass.



---- = Fence

E = exit
G = garbage
R = recycling

* they also manually separate trash & recycling

Effective 1.1.2020
Revised 6.2024

City of La Crosse, Wisconsin

APPLICATION FOR *SPECIAL EVENT* PERMIT

☐ New Event ☒ Repeat Event ☐ Repeat Event with Changes (explain in the description)

Date Received: _____ Fee: _____

***Deadline 60 days prior to event or a late fee is applied.** Payment is due when application is submitted.

EVENT ORGANIZER – Information about the person, entity or organization holding the special event.*

Legal/Real Name: A+S Foster LLC

Address: Street: 500 Copeland Ave. City: LaCrosse State: WI Zip Code: 54603

Phone: [redacted] **Email:** [redacted] **Website:**

Nonprofit Tax-Exempt Number
501(c)3, if applicable (include photocopy)

Wisconsin Seller Permit Number
Sales Tax, if applicable (include photocopy)
If the named organization is not required to hold a Wisconsin Seller's Permit pursuant to s. 77.54 (7m), Wis. Stats., check this box ☐

EVENT COORDINATOR – Information for person to contact before, during and after event, if necessary.

Contact Name: First: Shannan Middle: G. Last: Foster

Address: Street: 817 Liberty st. City: LaCrosse State: WI Zip Code: 54603

Phone: [redacted] **Email:**

***Personal Data Sheet MUST be completed for each Officer/Member of the Organization AND Event Coordinator.**

EVENT INFORMATION

Event Name: Block Party Rockin the Viaduct

Event Location: *(Address or General Location/Route)* 500 block Copeland Ave **Is the location:** *Park/Public Property* ___ *Street/Alley/Right-of-Way* ___ *Private Property* ___

Event Date(s): *List each date of multi-day event* June 13, 2026

Event Time: Start Time: 12pm End Time: 10pm

Set Up/Take Down: Set Up Begins: 7Am Take Down Ends: 11pm

Total Anticipated Attendance:
Base off previous events if recurring

Daily Anticipated Attendance:
If a multi-day event (circle one) 0-250 (250-500) 500-1000 1000 – 5000 5000

Admission Requirements:
If applicable

Event Description *(purpose, activity, who can participate, etc. Attach additional sheet if necessary.)*

If you have multiple activities in your event that include closure or use of right-of-way i.e. two parades or a combination of parade and run/walk, etc., a separate activity summary describing each event is required and must be submitted with this application.

If you are using a City park or facility, you must make the reservation through the Parks, Recreation & Forestry Department prior to filing the Special Event Application. The Park Office phone number is 608-789-7533.

If said location is private property, and is not owned by organizer, a signed statement from property owner that applicant has permission to use said property for the special event is required.

Applicant is responsible for assuring they have all necessary reservations, permits, and licenses prior to hosting the special event. Relevant information and contacts are provided in the Policies & Procedures Manual as well as below. **Answer all questions regardless the size of the event; incomplete applications will be returned.**

City Clerk – Call 608-789-7510 for the following additional licenses, permits and necessary information.		
Will there be food prepared/served at the event? If yes, EXPLAIN (i.e. food truck, food stand, catered, etc.): Food truck	☒Yes ☐No	While food vendors are exempt from City permitting, event organizers MUST ensure vendors are properly permitted with County Health or the State of Wisconsin. Not doing so may delay the permit or require a vendor to be removed. A list of vendors MUST be submitted prior to the event with applicable information. *For questions regarding food service, contact the La Crosse County Health Dept at 608-785-9771.*
Will there be vendors selling merchandise?	☐Yes ☒No	Merchandise vendors are exempt from City permitting when participating in a special event; however, a list of vendors must be submitted. DOR reporting required.
Will alcohol beverages be sold/served/consumed? If yes, EXPLAIN (how, who, where): *Fencing required. *Licensed beverage operators must be present. *Beer/wine must be purchased from a wholesaler. *Liquor Liability Insurance Required. See *FAQs and Excerpts* for additional information.	☒Yes ☐No	A Temporary Class B Retail License is required to sell, serve or consume beer or wine (no liquor). Eligibility requirements apply. If you are expanding an establishment license, an Expansion license is required: • Expansion to Private Property • Expansion to Public Property If a producer (brewery, winery, or distillery) is using a full-service outlet or secondary location, please explain and provide a copy of the Dept. of Revenue application.
Will there be a live amplified outdoor music? If yes, EXPLAIN: Band X DJ _____ Other _____	☒Yes ☐No	Noise is regulated in the City of La Crosse; see Sec. 32-134 of the Municipal Code. *Notify nearby properties so they are aware of the event.*
Will your event include any of the following: run ___ walk___ bike tour ___ bike race___ parade___ other procession _____ Is the event timed? If a recurring event, are you using the same route? *if multiple activities, please complete an Activity Summary for each. *if closing a highway, a highway closure form must be submitted. This information is provided to the Wisconsin Department of Transportation.	☐Yes ☒No ☐Yes ☒No ☐Yes ☒No	A legible route map or turn-by-turn list MUST be submitted; include assembly area, starting point and termination point. Complete Activity Summary if necessary. Visit the Engineering/Construction Projects to view upcoming projects to ensure your route is not affected.
Will your event include a carnival or amusement of any kind? i.e. bounce house, amusement rides, etc. EXPLAIN (what, how many):	☐Yes ☒No	A Carnival, Circus or Menagerie License is required. **Additional insurance required.*
Will your event include animals, petting zoo or other animal exhibition? If yes, describe (type of animals):	☐Yes ☒No	Certain domesticated animals are allowed; see. Sec. 6-8 of the Municipal Code. Events with wild or vicious animals, a Carnival, Circus or Menagerie License is required.
Will your event include horse drawn carriage rides? If yes, who is the operator?	☐Yes ☒No	Operator must be licensed for Horse Drawn vehicles.
Fire Department – Community Risk Management (CRM) – Call 608-789-7530 for the following additional permits, requirements and necessary information.		
Will there be a tent or canopy more than 400 sq feet?	☐Yes ☒No	An Application for Tent/Structure Permit is required and an inspection prior to occupancy. *Event organizer is responsible for calling Digger's Hotline and coordinating, as necessary.*
Will fireworks or pyrotechnic special effects be used during event?	☐Yes ☒No	An Application for Display of Firework/ Pyrotechnic Special Effects File directly with the Fire Department.
Will you be proving portable toilets? If so, how many? _____ portable toilets 2 accessible portable toilets	☒Yes ☐No	Based on capacity as required by Ch.29 of IBC. *Portable toilets are not provided by the City; you are responsible to contract those services.*
Will you be running temporary water/plumbing or electrical services to the event site?	☐Yes ☒No	If yes, contact CRM. An Inspection will be required.
Will you be using temporary fencing for the site area? If yes, size of exits?	☒Yes ☐No	If yes, provide fencing details in the site map. *Event organizer is responsible for calling Digger's Hotline and coordinating, as necessary.*

Do you intend to have Fire/EMS vehicle access lanes?	☒Yes ☐No	Required: emergency vehicle access lanes (min. 20').
Do you have an emergency plan?	☒Yes ☐No	For accidents, injuries, fires, severe weather, etc.
Parking Utility – Call 608-789-4908 for parking requirements and necessary information.		
Do you have a parking plan?	☒Yes ☐No	
Do you have handicap parking?	☒Yes ☐No	
Parks, Recreation & Forestry Department – Call 608-789-7533 for the requirements and necessary information.		
Will the event be held in a City park or utilize any park facility? Park Board approval was granted: ____	☐Yes ☒No	Reservation needs to be confirmed before Special Event Application can be filed. *City property may require approval by Bd of Public Works*
Police Department – Call 608-789-7238 (non-emergency) for necessary information.		
Do you have a security plan?	☒Yes ☐No	
Street Department – Call 608-789-7340 for the necessary information.		
Do you intend to use a street, alley or right-of- way?	☒Yes ☐No	Describe area in event description and site plan.
Closure of a highway - state or county?	☐Yes ☒No	Yes, complete a Request for Highway Closure.
Do you need barricades or signage for your event? If yes, include barricade placement in the site plan. If no, provide a traffic control plan*. If yes, do you want to pick up X or have delivered__ *Delivery by City required for larger events.*	☒Yes ☐No	Barricades/signage can be provided by the city. A cost estimate based on needs will be provided with your permit; actual costs invoiced after the event. *If you are using equipment from a third party, you must provide a map showing placement
Do you have an established traffic control plan? If not using City traffic control equipment, submit your proposed traffic control plan with application.	☒Yes ☐No	**Describe your plan in the event map.** The Police & Traffic Engineer will assist with developing a plan i.e. barricades/signage and if Police assistance is needed.
Do you have a waste management plan? Acknowledge that garbage & recycling will be separated? Contact Recycling Supervisor with questions 608-789-7507	☒Yes ☐ No ☒ Yes	A solid waste and recycling plan must be provided detailing receptacle quantities and layout – note location(s) of separate receptacles on event map.
Applicant understands that extraordinary service fees may be billed because of the event. Applicant will pay the actual costs for the use of equipment, resources, or services if the event requires more than the reasonable and necessary services provided by the city. If money is owed from a previous event, the permit may not be approved until paid. If any traffic control materials are missing or returned damaged, fee for replacement/repair will be invoiced. *Note: Extraordinary service fees are an addendum to the Policies & Procedures Manual.*	☒Yes ☐No	The City will invoice the event organizer after the conclusion of the event. Payment shall be made within thirty (30) days of the invoice. *Organizers must notify the city if the event is cancelled or altered for any reason. If notice isn't given until after traffic control materials have been delivered, organizers will still be billed the cost of materials and labor.*

Special Event Checklist. ***All forms are to be turned into the City Clerk's Office unless otherwise noted.***
Incomplete applications will be returned. Please call if you have questions.

____ Special Event Application *(complete and signed)*. Include additional Activity Summaries or Highway Closure, if necessary.

____ Special Event Fee *(cash, check payable to City Treasurer or credit with a convenience fee).*

____ Certificate of Liability Insurance AND Additional Insured Endorsement.

____ Photocopy of Tax-Exempt Number, if applicable. **Required to avoid sales tax if being billed for materials i.e. barricades.*

____ Photocopy of Wisconsin Seller Permit, if applicable. **Required unless exempt pursuant to s. 77.54 (7m).*

____ Statement from property owner, if applicable.

____ Map of Special Event area (site plan); include any street, alley or right-of-way closed for the special event and placement of barricades. Site plan must include, as applicable, alcohol sales location(s), location of tents, stages, vendors, carnival, portable toilets, garbage/recycling receptacles/dumpsters, fencing and exit locations, accessible paths, handicap parking, access for emergency vehicles and personnel.

____ Map of Parade/Procession (and turn-by-turn list); also include assembly area, starting point and termination point.

____ Traffic Control Plan showing where barricades and signage will be placed, if necessary.

____ Waste Management Plan including quantity of receptacles for solid waste and recycling and their locations.

____ Merchandise/Food Vendor List, with all appliable information. *Due no less than fourteen (14) days before the event.

The following additional applications (and associated fee) if applicable:

____ Application for Temporary Class B Retail Alcohol License *(liquor liability insurance required).*

____ Application to Expand Alcohol Beverage License – public or private property *(liquor liability insurance required)*

____ Application for Carnival, Circus or Menagerie *(additional liability insurance required).*

____ Application for Tent/Structure Permit.

Indemnification and Hold Harmless

(Read carefully before signing!)

Indemnification: By signing below, I acknowledge that for good and valuable consideration, I (applicant), on behalf of myself and the organization, if applicable, agree to indemnify, defend and hold harmless the City of La Crosse and its officers, officials, employees and agents from and against any and all liability, loss, damage, expenses and costs, including attorney fees, arising out of the activities performed as described herein, caused in whole or in part by any negligent act of omission of the applicant/organization, anyone directly or indirectly employed by any of them or anyone whose acts may be liable, except where caused by the sole negligence or willful misconduct of the City.

Certification: By signing below, I certify that I am at least 18 years of age, that I have read and understand the Special Event Policy and that I agree to the terms and conditions contained in the Special Event Policy. My signature further confirms: (i) I understand the filing of this application does not ensure the issuance of a Special Event License. (ii) The special event permit fee is non-refundable pursuant to the terms of the Special Event Policy. (iii) I will be responsible for ensuring the event and event participants comply with all applicable City ordinances, traffic rules, park rules, state health laws, fire codes and alcohol licensing regulations and any other applicable laws, rules and regulations including the Special Event Policy. (iv) Fees for park facilities, food vendor permits, tent and fireworks permits, other municipal services and equipment, etc., are in addition to the Special Event Permit fee. (v) I am authorized to apply for this Special Event Permit on behalf of the organization holding the event (if applicable). (vi) The information contained in this application is true and correct to the best of my knowledge. I understand that intentionally providing false or misleading information in this application will be basis for denial/revocation of the permit and may lead to civil or criminal penalties.

Signature of Applicant (required): _____ Date: 12·30·25

Printed Name of Applicant: Shannan Foster

Submit Special Event Application and fee (including any other applicable license/permit applications and fees) to:

City Clerk
400 La Crosse Street
La Crosse WI 54601
Questions: 608-789-7510 or email licenses@cityoflacrosse.org

Date Routed:	For Office Use Only			
DEPARTMENT	**APPROVE**	**DENY**	**BY**	**REASON (if denied)**
Special Event Staff				
La Crosse County Health				
Parks, Recreation & Forestry				
Police				
Fire Department - CRM				
Engineering & Public Works				
Streets				
Recycling				
Parking Utility				
Transit				
City Clerk				
Investigation – Personal Data Sheet				
Police – Records				
Delinquencies – Organization and Personal Data Sheet				
Legal				
Treasurer				
Utilities (water, storm, sewer)				
Municipal Court				
Parking Utility				

License Issue Date:	License No:

Personal Data Sheet

(Please PRINT All Information)

Each Officer/Member **AND** Event Coordinator must complete all the information and must indicate if they have been convicted of any of the following within the last ten (10) years: a felony, a misdemeanor, a statutory violation punishable by forfeiture or a county or municipal ordinance violation. If none, write "none".

This information is strictly confidential and is shared only with the La Crosse Police Department for background checks.

EVENT COORDINATOR

Name: First	Full Middle	Last	Alias
Shannan	Gail	Foster	

Home Address: Street	City	State	Zip Code
817 Liberty St.			

Phone Number:	Email:	Date of Birth: (mm/dd/yyyy)
[redacted]		

OFFICER/MEMBER

Name: First	Full Middle	Last	Alias

Home Address: Street	City	State	Zip Code

Phone Number:	Email:	Date of Birth: (mm/dd/yyyy)

Violations:

OFFICER/MEMBER

Name: First	Full Middle	Last	Alias

Home Address: Street	City	State	Zip Code

Phone Number:	Email:	Date of Birth: (mm/dd/yyyy)

Violations:

OFFICER/MEMBER

Name: First	Full Middle	Last	Alias

Home Address: Street	City	State	Zip Code

Phone Number:	Email:	Date of Birth: (mm/dd/yyyy)

Violations:

OFFICER/MEMBER

Name: First	Full Middle	Last	Alias

Home Address: Street	City	State	Zip Code

Phone Number:	Email:	Date of Birth: (mm/dd/yyyy)

Violations:

Office of City Clerk

February 27, 2026

ATTN: SHANNON FOSTER
A & S FOSTER LLC
500 COPELAND AVE
LA CROSSE WI 54603

Dear Shannon,

Our office is in receipt of the application for Expansion of Alcohol Beverage license for A& S Foster for a special event on Saturday, June 13, 2026, at 500 Copeland Ave. The Special Event application is routed internally for department feedback as well as delinquency and background checks, but the alcohol expansion requires Council approval.

The alcohol expansion request will be considered at the following meetings:

Judiciary & Administration Committee	**Tuesday, March 31, 2026, 6:00 p.m.** **Council Chambers, City Hall – 400 La Crosse St.**
Common Council	**Thursday, April 9, 2026, 6:00 p.m.** **Council Chambers, City Hall – 400 La Crosse St.**

It is recommended someone attend the J&A meetings where public hearing is allowed; there may be questions or comments from a committee or council member or another citizen. Public hearing is generally not allowed at the Council meeting although there may be questions of Council Members. The item will appear on the agendas as File # 26-0136.

Attendance is allowed either in person or virtually. If you wish to attend virtually, please email me for the link to participate. If you have any questions, comments, or concerns; do not hesitate to contact me.

Sincerely,

Sondra Craig

Sondra Craig, Deputy Clerk
craigs@cityoflacrosse.org
608-789-7549

City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 26-0164

Agenda Date: 3/31/2026 **Version:** 1 **Status:** New Business

In Control: Judiciary & Administration Committee **File Type:** Application

Agenda Number:

TO THE JUDICIARY AND ADMINISTRATION COMMITTEE:

Following is a list of various licenses for the 2025-2026 license period to be considered by your committee on March 31, 2026.

Alcohol
April 10, 2026 through June 30, 2026

Combination "Class B" Beer & Liquor
Jac's Signature Steakhouse LLC dba JAC's
200 Main St Ste 101
Agent: Robert Cunitz – 2125 Cameron Ave
(New Applicant)

Reserve Combination "Class B" Beer & Liquor
La Crosse Festivals Inc dba Oktoberfest USA
1 Oktoberfest Strasse
Agent: Jennifer Krisnowich – 3130 Beyer Rd, Onalaska
(New Applicant)

Change of Agent
Kwik Trip Inc dba Kwik Trip #829
507 Lang Dr
New Agent: George Libotte – 1604 9th St S

***Producer Full-Service Retail Sales ***

Alcohol permit issued by the State Dept of Revenue, but municipal approval of the fixed location required pursuant to Municipal Code sec. 4-153.
Driftless Pure LLC dba La Crosse Distilling Co.
Secondary sales location – The Cargill Room, 332 Front Street
Effective May 1, 2026
(Combination "Class "B" Beer & Liquor license issued to Riverside Center II LLC for 332 Front St is being surrendered effective May 1, 2026)

Outdoor Cabaret
April 10, 2026 through June 30, 2026

La Crosse Festivals Inc dba Oktoberfest USA
1 Oktoberfest Strasse

Recycling Facility
April 10, 2026 through June 30, 2026

7 Rivers Recycling LLC
4329 East Ave S

City of La Crosse, Wisconsin

ORIGINAL ALCOHOL LICENSE APPLICATION INFORMATION SUBMITTAL

Rev. 10/2025

(Ch. 4, secs. 4-72 & 4-142)

All new applicants for an alcohol license pursuant to Chapter 4 of the La Crosse Municipal Code shall submit the following information with the original alcohol applications. Any false statement contained in such application shall automatically nullify any license issued pursuant thereto.

Applications will not be accepted until all of the information is complete and necessary documents provided.

RECEIVED FEB 17 2026 City Clerk's Office

TYPE OF LICENSE(S) REQUESTED

Class A: ☐ Beer, ☐ Liquor
Class B: ☒ Beer, ☒ Liquor
Class C: ☐ Wine

APPLICANT

Legal Business Name *(Corporation, LLC, Sole Proprietor, Partnership)*:	**Trade Name:**
JAC's Signature Steakhouse LLC	JACs

Address: Street	City	State	Zip Code
200 Main Street Suite 101	La Crosse	WI	54601

Telephone Number:	**Email:**	**Website:**
[redacted]		

ACTIVE USE OF LICENSE

☒ *I understand that if a license is granted, said license* ***must be activated within 90 days of being granted*** *pursuant to Municipal Code secs. 4-43 and 4-108. This means open for business with stock and equipment.*

Anticipated Date of Opening: April 1, 2026

☒ *I understand that if a license is granted, said license shall be actively utilized pursuant to Municipal Code sec. 4-12. Actively utilized shall mean open for business with regular and consistent operating hours. If a license is not actively used throughout any 90-day period, the license shall be subject to revocation or suspension pursuant to sec. 4-82.*

☒ *I understand that* ***if there is any change to the license or licensee information****, including but not limited to change in officers/members/directors or agent or their address/phone number, change in hours of operation, etc.,* ***the City Clerk will be notified within 30 days*** *pursuant to Wis. Stat. sec. 125.04(3)(h).*

CORPORATIONS/LLCs – AGENT QUALIFICATIONS & RESPONSIBILITIES
(N/A for Sole Proprietors and Partnerships)

☒ *I understand that as an officer of the applicant corporation or member of the applicant limited liability company, the appointed alcohol license agent shall meet the requirements of Wis. Stat. Ch. 125 and, in addition, shall have resided within the State of Wisconsin continuously for 90 days prior to the date of application and shall reside within a 25-mile radius of the City limits at the time of application and at all times such individual shall be the appointed agent. Further, the appointed agent is an individual who is regularly involved in the actual conduct of the business and has full authority and control of the premises described and of the conduct of all business on the premises relative to alcohol beverages.*

BUSINESS PLAN

Type of Establishment:

☐ Tavern ☐ Nightclub ☒ Restaurant ☐ Liquor Store ☐ Grocery Store
☐ Convenience Store with gas pumps ☐ Convenience Store without gas pumps
☐ Other _____

Hours of Operation:
Mon – ~~Tues~~ - Sat. 3 - close Sundays - 8-3

Anticipated Number of Employees: 25

Method for training employees in alcohol beverage laws and requirements for employees to hold a beverage operator license: Bartenders must complete responsible server course. Training will include, ID verification procedures, refusal of service, & compliance w/ WI alcohol policies.

Other Business to Be Conducted on Premise:

Estimated gross receipts for food and alcohol beverage sales by percentage.
(Note: Non-alcoholic drinks are classified as "Food.")

_____ % Alcohol _____ % Food _____ % Other

If applicable, describe "Other": _____

Estimated capacity (Class B and Class C licenses only):

Indoor 120 Outdoor, if applicable _____

Will there be any outdoor sales/service or consumption of alcohol? If yes, explain.
If yes, a beer garden license or outdoor dining permit is required.

Yes - few tables out front on sidewalk

Will there be live entertainment (music or dancing) on premise? If yes, explain.
If yes, a cabaret license is required. NO

Do you have off-street parking? ☐ Yes ☐ No

If yes, how many parking spaces? _____

If no, how will parking be accommodated.

Provide a sketch of the floor plan showing overall dimensions, the areas of sales, consumption and storage, seating arrangements, location of coolers, and location where records are kept (invoices for purchase of alcohol).

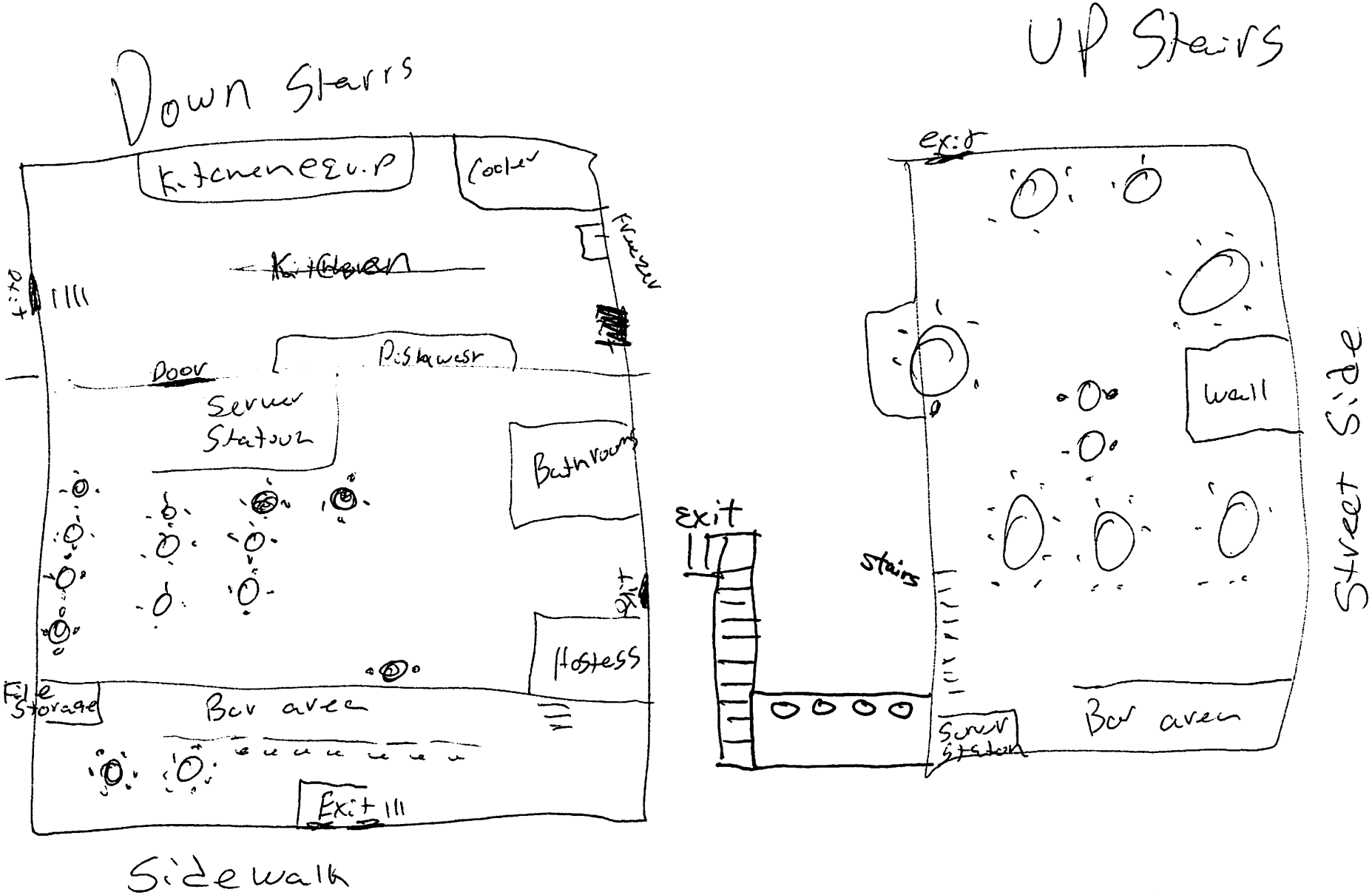
Provide a site plan showing building location, any outside areas where alcohol beverages may be sold or consumed, off-street parking, ingress and egress, and existing or proposed screening.

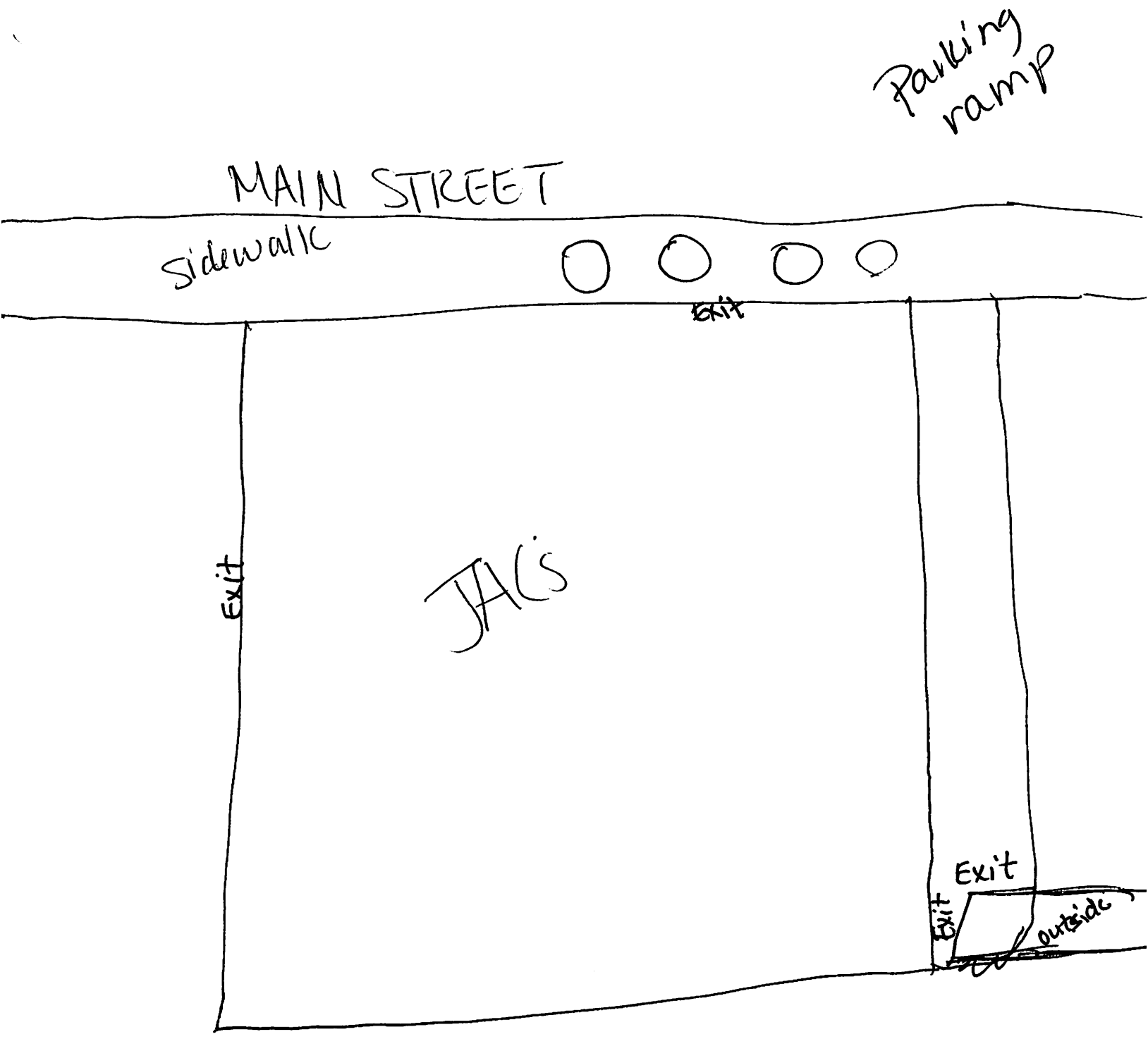
The information provided is true and correct to the best of my knowledge, I have reviewed the Alcohol Beverage Submittal Requirements and Information page and will comply with necessary requirements.

Signature Jennifer Popp **Date** 2-12-26

FOR OFFICE USE – City Clerk's Office checklist for complete applications

- ☐ Completed applications and fee
- ☐ Surrender of previous license, if applicable
- ☐ Lease, purchase agreement, or other proof of control of premise
- ☐ Contact Information Sheet
- ☐ Articles of Incorporation
- ☐ WI Seller's Permit Certificate (copy)
- ☐ FEIN (copy)
- ☐ Floor Plan
- ☐ Site Plan
- ☐ Proof of course completion or valid operator license or on other license within last two years.
- ☐ Confirm proximity to school, church or hospital
- ☐ Confirm proximity to land zoned residential or multiple dwelling


Down Stairs
Kitchen Equip
Cooler
Freezer
Kitchen
Exit
Door
Dishwasher
Server Station
Bathroom
Exit
Hostess
File Storage
Bar area
Exit
Sidewalk
Up Stairs
exit
Wall
Street Side
exit
Stairs
Server Station
Bar area


Parking ramp
MAIN STREET
sidewalk
Exit
Exit
JACS
Exit
Exit
outside

Save | Print | Clear

Form **AB-200**

Alcohol Beverage License Application

For Municipal Use Only	
Municipality	
License Period	

License(s) Requested: (up to two boxes may be checked)

- ☐ Class "A" Beer . . . . . $ _____
- ☒ Class "B" Beer . . . . . $ _____
- ☐ "Class A" Liquor . . . . . $ _____
- ☒ "Class B" Liquor . . . . . $ _____
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ _____
- ☐ "Class C" Liquor (wine only) $ _____

Fees	
License Fees	$
Background Check Fee	$
Publication Fee	$
Total Fees	$

Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship)
JACs Signature Steakhouse LLC

2. Business Trade Name or DBA

3. FEIN
41 4125334

4. Wisconsin Seller's Permit Number
456-1032272615-02

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☒ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization

6. State of Organization
WI

7. Date of Organization
2-6-26

8. Wisconsin DFI Registration Number

9. Premises Address
300 Main Street Ste 101

10. City
La Crosse

11. State
WI

12. Zip Code
54601

13. County
La Crosse

14. Governing Municipality: ☒ City ☐ Town ☐ Village
of: La Crosse

15. Aldermanic District

16. Premises Phone

17. Premises Email

18. Website

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
Main floor (bar area) - Kitchen area - Storage off kitchen and closet off bar area Alcohol will be served in bar area, 1st and second floor of restaurant.

20. Mailing Address (if different from premises address)
21269 Flaghill Ave
Alcohol will be stored behind the bar, Storage room off the bar, and in kitchen.

21. City
Tomah
Records will be kept in room off the Bar.

22. State
WI

23. Zip Code
54660

Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, list the details of violation below. Attach additional sheets if necessary.

Law/Ordinance Violated	Location	Trial Date
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Trial Date
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No	

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☒ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

4a. Name of Business Entity	4b. Business Entity FEIN

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☒ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

Last Name	First Name	Title	Phone
Popp	Jennifer	partner	[redacted]
Popp	Chris	partner	
Cunitz	Robert	agent	

Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Last Name	First Name	M.I.
Popp	Jennifer	J

Title	Email	Phone
partner	[redacted]	

Signature	Date
Jennifer Popp	2-10-26

Part E: For Clerk Use Only

Date Application Was Filed With Clerk	License Number	Date License Granted	Date License Issued

Signature of Clerk/Deputy Clerk	Date Provisional License Issued (if applicable)

Save Print Clear

Form **AB-100**

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor): JAC's Signature Steakhouse LLC
2. Business Trade Name or DBA:
3. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Popp	Jennifer	J

4. Relationship to Business (Title)	5. Email	6. Phone
Partner	[redacted]	

7. Home Address: 21269 Flaghill Ave

8. City	9. State	10. Zip Code	11. Date of Birth
Tomah	WI	54660	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	Wisconsin

Part C: Address History

1. Do you currently live in Wisconsin? ☒ Yes ☐ No

   If yes, provide the month and year when you permanently moved to Wisconsin: (MM/YYYY) 11-1971

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1: 21269 Flaghill Ave	City: Tomah	State: WI	Zip Code: 54660
Previous Address 2: 309 1/2 Superior Ave	City: Tomah	State: WI	Zip Code: 54660
Previous Address 3: 28240 Northridge Rd	City: Kendall	State: WI	Zip Code: 54638
Previous Address 4:	City:	State:	Zip Code:
Previous Address 5:	City:	State:	Zip Code:

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	Monroe	WI	Vernon	WI			
WI	La Crosse						

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances?..... ☐ Yes ☒ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances?..... ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
Jennifer Popp	2-10-26

Save | Print | Clear

Form **AB-100**

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor): JACs Signature Steakhouse LLC
2. Business Trade Name or DBA:
3. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☒ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Cunitz	Robert	P

4. Relationship to Business (Title)	5. Email	6. Phone
Agent	[redacted]	

7. Home Address: 2125 Cameron Ave

8. City	9. State	10. Zip Code	11. Date of Birth
La Crosse	WI	54601	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	Wisconsin

Part C: Address History

1. Do you currently live in Wisconsin? ☒ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY): na

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1: 804 Troy St	City: Onalaska	State: WI	Zip Code: 54650
Previous Address 2: 630 9th St N	City: La Crosse	State: WI	Zip Code: 54601
Previous Address 3:	City:	State:	Zip Code:
Previous Address 4:	City:	State:	Zip Code:
Previous Address 5:	City:	State:	Zip Code:

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	La Crosse						
WI	Monroe						

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances?..... ☐ Yes ☒ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No	
Law/Ordinance Violated	**Location**	**Conviction Date**
Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No	
Law/Ordinance Violated	**Location**	**Conviction Date**
Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No	

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances?..... ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
Robert [signature]	2/9/2026

Save | Print | Clear

Form **AB-100**

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor): JACs Signature Steakhouse LLC
2. Business Trade Name or DBA:
3. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☒ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Popp	Christopher	A

4. Relationship to Business (Title)	5. Email	6. Phone
Partner		[redacted]

7. Home Address: 21269 Flaghill Ave

8. City	9. State	10. Zip Code	11. Date of Birth
Tomah	WI	54660	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☒ Yes ☐ No

   If yes, provide the month and year when you permanently moved to Wisconsin: (MM/YYYY) 12-1975

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

	City	State	Zip Code
Previous Address 1: 21269 Flaghill Ave	Tomah	WI	54660
Previous Address 2: 309 1/2 Superior Ave	Tomah	WI	54660
Previous Address 3: 28240 Northridge Rd	Kendall	WI	54638
Previous Address 4:			
Previous Address 5:			

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	LaCrosse						
WI	Monroe						

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances?..... ☒ Yes ☐ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

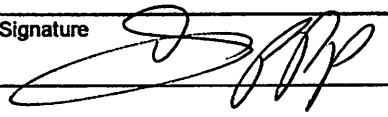
Law/Ordinance Violated	Location	Conviction Date
DisorderlY conduct	Walton- WI	2013
Penalty Imposed	**Was sentence completed?** ☒ Yes ☐ No	
fine		
Law/Ordinance Violated	**Location**	**Conviction Date**
Penalty Imposed	**Was sentence completed?** ☐ Yes ☐ No	
Law/Ordinance Violated	**Location**	**Conviction Date**
Penalty Imposed	**Was sentence completed?** ☐ Yes ☐ No	

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances?..... ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
	2-10-26

Save | Print | Clear

Form **AB-101**

Alcohol Beverage Appointment of Agent

Date

Agent Type *(check one)*

☒ Original (no fee) ☐ Successor ($10 fee for municipal licensees only)

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
JACs Signature Steakhouse LLC

2. Business Trade Name or DBA

3. Entity Type *(check one)* ☒ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization

4. Alcohol Beverage Business Authorization *(check one)* ☐ Municipal Retail License ☐ State Permit

5. If successor agent, provide State Permit or Municipal Retail License Number

6. Describe the reason for appointing a successor agent, if successor is checked above.

Part B: Agent Information

1. Last Name	2. First Name	3. M.I.
Cunitz	Robert	P

4. Email [redacted] 5. Phone

6. Home Address
2125 Cameron Ave

7. City	8. State	9. Zip Code	10. Date of Birth
La Crosse	WI	54601	[redacted]

11. Drivers License/State ID Number	12. Drivers License/State ID State of Issuance
[redacted]	Wisconsin

Part C: Agent Questions

1. Have you satisfied the responsible beverage server training requirement? Submit proof of completion. ☒ Yes ☐ No

2. Have you completed Form AB-100, *Alcohol Beverage Individual Questionnaire* (licensee) or Form AB-300, *Alcohol Beverage Personal Questionnaire* (permittee)? ☒ Yes ☐ No

3. Have you been a Wisconsin resident for at least 90 continuous days? See instructions for exceptions. ☒ Yes ☐ No

Continued →

Part D: Business Attestation

READ CAREFULLY BEFORE SIGNING: I, the **Undersigned**, authorize the above-named individual to act for the above-named corporation, nonprofit organization, or limited liability company with full authority and control of the premises and of all alcohol beverage activities on such premises. I certify that I am authorized by the above-named entity to authorize this individual to act on behalf of the entity. If I am appointing a successor agent, I rescind all previous agent appointments for this premises. Further, I understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Last Name	First Name	M.I.
Popp	Jennifer	J

Title	Email	Phone
Partner	[redacted]	

Signature	Date
Jennifer Popp	2-10-26

Part E: Agent Attestation

READ CAREFULLY BEFORE SIGNING: I, the **Agent**, hereby accept this appointment as agent for the above-named corporation, nonprofit organization, or limited liability company and assume full responsibility for the conduct of all alcohol beverage activities on the premises for the above-named business. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Last Name	First Name	M.I.
Curitz	Robert	P

Signature	Date
Robert Curitz	2/9/2026

City of La Crosse, Wisconsin

ORIGINAL ALCOHOL LICENSE APPLICATION INFORMATION SUBMITTAL

Rev. 10/2025

(Ch. 4, secs. 4-72 & 4-142)

All new applicants for an alcohol license pursuant to Chapter 4 of the La Crosse Municipal Code shall submit the following information with the original alcohol applications. Any false statement contained in such application shall automatically nullify any license issued pursuant thereto.

Applications will not be accepted until all of the information is complete and necessary documents provided.

RECEIVED MAR 17 2026 City Clerk's Office

TYPE OF LICENSE(S) REQUESTED

Class A: ☐ Beer, ☐ Liquor
Class B: ☑ Beer, ☑ Liquor
Class C: ☐ Wine

APPLICANT

Legal Business Name *(Corporation, LLC, Sole Proprietor, Partnership)*:	**Trade Name:**
La Crosse Festivals, Inc.	Oktoberfest USA

Address: Street	City	State	Zip Code
PO Box 1716 / 1 Oktoberfest Strasse	La Crosse	WI	54601

Telephone Number:	**Email:**	**Website:**
[redacted]		oktoberfestusa.com

ACTIVE USE OF LICENSE

☑ *I understand that if a license is granted, said license* ***must be activated within 90 days of being granted*** *pursuant to Municipal Code secs. 4-43 and 4-108. This means open for business with stock and equipment.*

Anticipated Date of Opening: 5/1/26 – April Council

☑ *I understand that if a license is granted, said license shall be actively utilized pursuant to Municipal Code sec. 4-12. Actively utilized shall mean open for business with regular and consistent operating hours. If a license is not actively used throughout any 90-day period, the license shall be subject to revocation or suspension pursuant to sec. 4-82.*

☑ *I understand that* ***if there is any change to the license or licensee information****, including but not limited to change in officers/members/directors or agent or their address/phone number, change in hours of operation, etc.,* ***the City Clerk will be notified within 30 days*** *pursuant to Wis. Stat. sec. 125.04(3)(h).*

CORPORATIONS/LLCs – AGENT QUALIFICATIONS & RESPONSIBILITIES (N/A for Sole Proprietors and Partnerships)

☐ *I understand that as an officer of the applicant corporation or member of the applicant limited liability company, the appointed alcohol license agent shall meet the requirements of Wis. Stat. Ch. 125 and, in addition, shall have resided within the State of Wisconsin continuously for 90 days prior to the date of application and shall reside within a 25-mile radius of the City limits at the time of application and at all times such individual shall be the appointed agent. Further, the appointed agent is an individual who is regularly involved in the actual conduct of the business and has full authority and control of the premises described and of the conduct of all business on the premises relative to alcohol beverages.*

BUSINESS PLAN

Type of Establishment:

☐ Tavern ☐ Nightclub ☐Restaurant ☐ Liquor Store ☐ Grocery Store
☐ Convenience Store with gas pumps ☐ Convenience Store without gas pumps
☑ Other Festival / Event Venue

Hours of Operation: By event only

Anticipated Number of Employees:
20 including Directors

Method for training employees in alcohol beverage laws and requirements for employees to hold a beverage operator license: WI Responsible Beverage Sever Course and on-site training prior to events

Other Business to Be Conducted on Premise:

Estimated gross receipts for food and alcohol beverage sales by percentage.
(Note: Non-alcoholic drinks are classified as "Food.")

71 % Alcohol 22 % Food 7 % Other

If applicable, describe "Other": Merchandise

Estimated capacity (Class B and Class C licenses only):

Indoor _____ Outdoor, if applicable 20,000

Will there be any outdoor sales/service or consumption of alcohol? If yes, explain.
If yes, a beer garden license or outdoor dining permit is required.

Yes. Beverage consumption will take place under seasonal tents and pavilions.

Will there be live entertainment (music or dancing) on premise? If yes, explain.
If yes, a cabaret license is required.

Yes. We host community festivals and rental events.

Do you have off-street parking? ☑ Yes ☐ No

If yes, how many parking spaces? 100 There is public parking adjacent to our location

If no, how will parking be accommodated.

Provide a sketch of the floor plan showing overall dimensions, the areas of sales, consumption and storage, seating arrangements, location of coolers, and location where records are kept (invoices for purchase of alcohol).

Provide a site plan showing building location, any outside areas where alcohol beverages may be sold or consumed, off-street parking, ingress and egress, and existing or proposed screening.

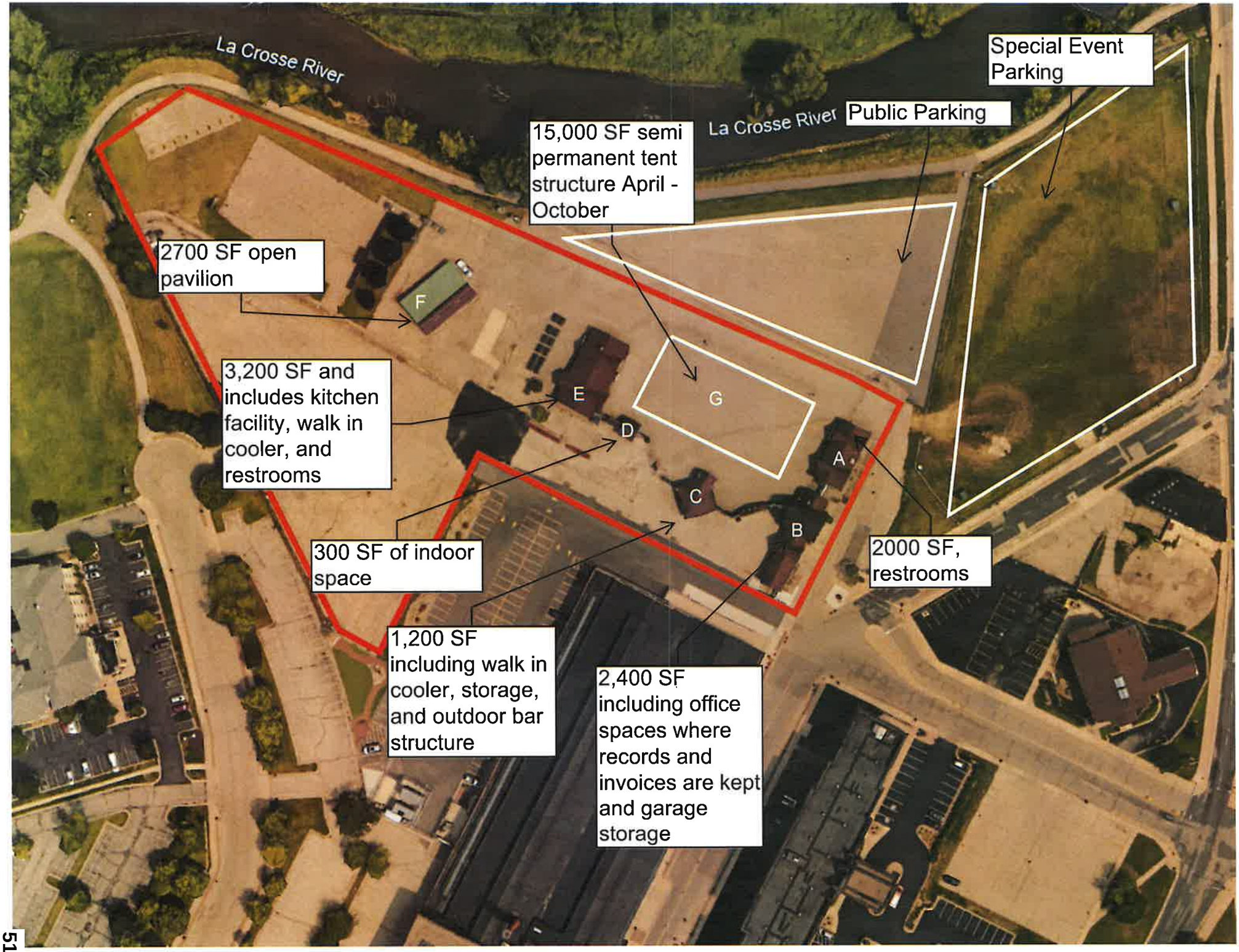
The information provided is true and correct to the best of my knowledge, I have reviewed the Alcohol Beverage Submittal Requirements and Information page and will comply with necessary requirements.

Jennifer Kiesmith 2/25/26

Signature **Date**

FOR OFFICE USE – City Clerk's Office checklist for complete applications

- ☐ Completed applications and fee
- ☐ Surrender of previous license, if applicable
- ☐ Lease, purchase agreement, or other proof of control of premise
- ☐ Contact Information Sheet
- ☐ Articles of Incorporation
- ☐ WI Seller's Permit Certificate (copy)
- ☐ FEIN (copy)
- ☐ Floor Plan
- ☐ Site Plan
- ☐ Proof of course completion or valid operator license or on other license within last two years.
- ☐ Confirm proximity to school, church or hospital
- ☐ Confirm proximity to land zoned residential or multiple dwelling


La Crosse River
La Crosse River
Special Event Parking
Public Parking
15,000 SF semi permanent tent structure April - October
2700 SF open pavilion
3,200 SF and includes kitchen facility, walk in cooler, and restrooms
300 SF of indoor space
1,200 SF including walk in cooler, storage, and outdoor bar structure
2,400 SF including office spaces where records and invoices are kept and garage storage
2000 SF, restrooms
A
B
C
D
E
F
G

Das Beste!
OKTOBERFEST USA™
LA CROSSE, WISCONSIN

March 12, 2026

RE: La Crosse Festivals, Inc. – 90-Day Activation Waiver Request

To whom it may concern,

Per section 4-44 of the Code of Ordinances for the City of La Crosse, we respectfully request permission to discontinue the sale of intoxicating liquor for more than 90 days during the license period as part of the license renewal application process.

Due to the nature of our business at 1 Oktoberfest Strasse, as an outdoor event venue, we will not operate events for more than 90 days during the winter months. We are a seasonal event venue and will not host events between November 1, 2026 and April 15, 2027.

Thank you,

Jennifer Krisnowich
President
La Crosse Festivals, Inc.

PO Box 1716 La Crosse, WI 608.784.3378 office@oktoberfestusa.com

Form **AB-200**

Alcohol Beverage License Application

For Municipal Use Only	
Municipality	
License Period	

License(s) Requested: (up to two boxes may be checked)

- ☐ Class "A" Beer . . . . . $ _____
- ☑ Class "B" Beer . . . . . $ _____
- ☐ "Class A" Liquor . . . . . $ _____
- ☑ "Class B" Liquor . . . . . $ _____
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ _____
- ☐ "Class C" Liquor (wine only) $ _____

Fees	
License Fees	$
Background Check Fee	$
Publication Fee	$
Total Fees	$

Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship)
   La Crosse Festivals, Inc.
2. Business Trade Name or DBA
   Oktoberfest USA
3. FEIN
   39-1050485
4. Wisconsin Seller's Permit Number
   456-0000085667-04
5. Entity Type *(check one)*
   ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization
6. State of Organization
   WI
7. Date of Organization
   01/06/1966
8. Wisconsin DFI Registration Number
   6L05928
9. Premises Address
   1 Oktoberfest Strasse
10. City
    La Crosse
11. State
    WI
12. Zip Code
    54601
13. County
    La Crosse
14. Governing Municipality: ☑ City ☐ Town ☐ Village
    of: La Crosse
15. Aldermanic District
    12
16. Premises Phone
    [redacted]
17. Premises Email
    [redacted]
18. Website
    oktoberfestusa.com
19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

    The premises is located at 1 Oktoberfest Strasse La Crosse, WI 54601 and includes six buildings, one pavilion, and a seasonal semi-permanent tent structure. Sales and storage would take place throughout the entire property. Building A is 2000 SF and consists of restroom facilties. Building B is 2,400 SF and includes office spaces where records and invoices are kept, and a garage for storage. Building C is 1200 SF and consists of a walk in cooler, storage, and an outdoor bar structure. Building D is 300 SF of indoor space. Building E is 3200 SF and inclues restrooms, kitchen facility, and walk in cooler. Building F is 2700 SF open pavilion. The semi-permanent tent strucure is 15,000 SF and is up between the months of April-October.

20. Mailing Address (if different from premises address)
    PO Box 1716
21. City
    La Crosse
22. State
    WI
23. Zip Code
    54602-1716

Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

   If yes, list the details of violation below. Attach additional sheets if necessary.

Law/Ordinance Violated	Location	Trial Date
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Trial Date
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No	

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☑ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

4a. Name of Business Entity	4b. Business Entity FEIN

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☑ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

Last Name	First Name	Title	Phone
See completed FormsAB100			

Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Last Name	First Name	M.I.
Krisnowich	Jennifer	

Title	Email	Phone
President, Board of Directors	[redacted]	

Signature	Date
Jennifer Krisnowich	2/25/26

Part E: For Clerk Use Only

Date Application Was Filed With Clerk	License Number	Date License Granted	Date License Issued

Signature of Clerk/Deputy Clerk	Date Provisional License Issued (if applicable)

La Crosse Festivals, Inc. d.b.a. Oktoberfest USA

2026 Officers & Directors

AB100

Jennifer Krisnowich	President
Timothy Ehler	Vice President
Candice Tlustosch	Treasurer
Alex Wasieleski	Secretary
Alex Lueck	Advisor
Angela Jones	Director
Angie Coenen	Director
Beth O'Bryan	Director
Elizabeth Mueller	Director
Michael Quam	Director
Michaela Smith	Director
Nkenge Kirton	Director
Nolan Martin	Director
Ryan Bilskemper	Director
Sam Furtak	Director
Teresa Clark	Director

Form
AB-100

Alcohol Beverage Individual Questionnaire

Date 02/02/2026

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Krisnowich	Jennifer	L

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	[redacted]

7. Home Address
3130 Beyer Road

8. City	9. State	10. Zip Code	11. Date of Birth
Onalaska	WI	54650	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☑ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY) 08/2017

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

	City	State	Zip Code
Previous Address 1: 2735 Grand Ave	La Crosse	WI	54603
Previous Address 2:			
Previous Address 3:			
Previous Address 4:			
Previous Address 5:			

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	La Crosse	CO	Pitkin	WI	Trempealeau	WI	Milwaukee

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? . . . . . ☐ Yes ☑ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No	

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? . . . . . ☐ Yes ☑ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
Jennifer Krasnicki	2/2/26

Form
AB-100

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
   La Crosse Festivals, Inc.
2. Business Trade Name or DBA
   Oktoberfest USA
3. Entity Type *(check one)*
   ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Ehler	Timothy	D.

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address: W5871 Cedar Rd

8. City	9. State	10. Zip Code	11. Date of Birth
LaCrosse	WI	54601	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	State of Wisconsin

Part C: Address History

1. Do you currently live in Wisconsin? ☒ Yes ☐ No

   If yes, provide the month and year when you permanently moved to Wisconsin — Born in Wisconsin — (MM/YYYY) 6-18-70

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

	City	State	Zip Code
Previous Address 1: Same as above			
Previous Address 2			
Previous Address 3			
Previous Address 4			
Previous Address 5			

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	LaCrosse	WI	Vernon				

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? . . . . . ☐ Yes ☒ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? . . . . . ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
[signature]	2-2-2026

Form **AB-100**

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
   La Crosse Festivals, Inc.
2. Business Trade Name or DBA
   Oktoberfest USA
3. Entity Type *(check one)*
   ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Tlustosch	Candice	CM

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	[redacted]

7. Home Address
   N4141 Ceresa Ct

8. City	9. State	10. Zip Code	11. Date of Birth
West Salem	WI	54669	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☑ Yes ☐ No

   If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY) 09/2002

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

	City	State	Zip Code
Previous Address 1			
Previous Address 2			
Previous Address 3			
Previous Address 4			
Previous Address 5			

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	La Crosse	WI	Dane	MN	Scott	MN	Clay
ND	Cassq	MT	Sheridan				

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? . . . . . ☐ Yes ☑ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

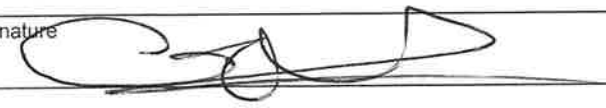
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? . . . . . ☐ Yes ☑ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
	2-2-26

Form
AB-100

Alcohol Beverage Individual Questionnaire

Date 2/2/26

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Wasieleski	Alexander	J

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address
909 Division St

8. City	9. State	10. Zip Code	11. Date of Birth
La Crosse	WI	54601	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☑ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY) 08/2016

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1: 908 Pine St	City: La Crosse	State: WI	Zip Code: 54601
Previous Address 2	City	State	Zip Code
Previous Address 3	City	State	Zip Code
Previous Address 4	City	State	Zip Code
Previous Address 5	City	State	Zip Code

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
State	County	State	County	State	County	State	County

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances?..... ☐ Yes ☑ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No	

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances?..... ☐ Yes ☑ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
Alex Ndzieleski	2/2/26

Form
AB-100

Alcohol Beverage Individual Questionnaire

Date 2/2/26

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Lueck	Alex	J

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address
710 13th Ave S

8. City	9. State	10. Zip Code	11. Date of Birth
Onalaska	WI	54650	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☒ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY) 09/2010

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1	City	State	Zip Code
Previous Address 2	City	State	Zip Code
Previous Address 3	City	State	Zip Code
Previous Address 4	City	State	Zip Code
Previous Address 5	City	State	Zip Code

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
MN	Hennepin	WI	Monroe	WI	Pierce		
IL	DuPage	WI	LaCrosse				

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? . . . . . ☐ Yes ☒ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No	

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? . . . . . ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
Alex Lunak	2-2-26.

Form
AB-100

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Jones	Angela	S

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address
932 Oak Ave N

8. City	9. State	10. Zip Code	11. Date of Birth
Onalaska	WI	54650	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☑ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY) 05/1972

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1	City	State	Zip Code
Previous Address 2	City	State	Zip Code
Previous Address 3	City	State	Zip Code
Previous Address 4	City	State	Zip Code
Previous Address 5	City	State	Zip Code

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
State	County	State	County	State	County	State	County

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances?..... ☐ Yes ☒ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances?..... ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
Angel Flores	1/29/2026

Form **AB-100**

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Coenen	Angela	

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address
17502Schaeferlane

8. City	9. State	10. Zip Code	11. Date of Birth
Richland Center	WI	53581	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	Wi

Part C: Address History

1. Do you currently live in Wisconsin? ☑ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY) 03/2005

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1	City	State	Zip Code
Previous Address 2	City	State	Zip Code
Previous Address 3	City	State	Zip Code
Previous Address 4	City	State	Zip Code
Previous Address 5	City	State	Zip Code

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
MN	Winona	MN					
State	County	State	County	State	County	State	County

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances?..... ☐ Yes ☑ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed?..... ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances?..... ☐ Yes ☑ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
Angela J. Cover	2-2-26

Form
AB-100

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
O'Bryan	Elizabeth	

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address
3022 23rd St. S.

8. City	9. State	10. Zip Code	11. Date of Birth
LaCrosse	WI	54601	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☒ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY) 10/1974

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1	City	State	Zip Code
Previous Address 2	City	State	Zip Code
Previous Address 3	City	State	Zip Code
Previous Address 4	City	State	Zip Code
Previous Address 5	City	State	Zip Code

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
State	County	State	County	State	County	State	County

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? . . . . . ☐ Yes ☒ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? . . . . . ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
Elizabeth O'Bryan	02/02/2026

Form **AB-100**

Alcohol Beverage Individual Questionnaire

Date 01/29/2026

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Mueller	Elizabeth	A

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address
2415 31St St S

8. City	9. State	10. Zip Code	11. Date of Birth
	WI	54601	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☑ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY) 10/1987

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1: 2415 31St St S	City: La Crosse	State:	Zip Code:
Previous Address 2:	City:	State:	Zip Code:
Previous Address 3:	City:	State:	Zip Code:
Previous Address 4:	City:	State:	Zip Code:
Previous Address 5:	City:	State:	Zip Code:

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
	Rock	WI	Vernon	TX	Coryell	WI	Winnebago
State	County	State	County	State	County	State	County

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? ☐ Yes ☑ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? ☐ Yes ☑ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
B Mueller	01/29/2026

Form
AB-100

Alcohol Beverage Individual Questionnaire

Date: 02/02/2026

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor): La Crosse Festivals, Inc.
2. Business Trade Name or DBA: Oktoberfest USA
3. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
QUAM	MICHAEL	D.

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address: 4524 NORTHBROOK RD.

8. City	9. State	10. Zip Code	11. Date of Birth
LA CROSSE	WI	54601	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☒ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY): 04/2016

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

	City	State	Zip Code
Previous Address 1			
Previous Address 2			
Previous Address 3			
Previous Address 4			
Previous Address 5			

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	CRAWFORD	WI	LA CROSSE	WI	ST. CROIX	WI	WAUKESHA
MN	HOUSTON	MN	ST. LOUIS				

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? . . . . . ☐ Yes ☑ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? . . . . . ☐ Yes ☑ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
	02-02-2026

Form
AB-100

Alcohol Beverage Individual Questionnaire

Date 2/2/26

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Smith	Michaela	M

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address
100 Church Dr.

8. City	9. State	10. Zip Code	11. Date of Birth
La Crosse	WI	54603	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☑ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY) 02/1989

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

	City	State	Zip Code
Previous Address 1: 100 Church Dr	La Crosse	WI	54603
Previous Address 2:			
Previous Address 3:			
Previous Address 4:			
Previous Address 5:			

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	La Crosse	WI	Burron				
WI	Dunn	MN	Scott				

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? . . . . . ☐ Yes ☒ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? . . . . . ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? . . . . . ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
[signature]	02/02/2026

Form **AB-100**

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
KIRTON	NKENGE	

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address
420 5TH AVENUE S. APT 309

8. City	9. State	10. Zip Code	11. Date of Birth
LA CROSSE	WI	54601	[redacted]

12. [redacted]	13. Drivers License/State ID State of Issuance
[redacted]	WISCONSIN

Part C: Address History

1. Do you currently live in Wisconsin? ... YES ☐ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin ... (MM/YYYY)

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1	City	State	Zip Code
Previous Address 2	City	State	Zip Code
Previous Address 3	City	State	Zip Code
Previous Address 4	City	State	Zip Code
Previous Address 5	City	State	Zip Code

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
MD	BALTIMORE						
WI	MILWAUKEE						

Continued ⟶

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? ☐ Yes ☒ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? ☐ Yes ☐ No	

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
N. Kinnard	Feb 2, 2026

Form **AB-100**

Alcohol Beverage Individual Questionnaire

Date 7-9-26

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor): La Crosse Festivals Inc
2. Business Trade Name or DBA: Oktober Fest
3. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Martin	Nolan	M

4. Relationship to Business (Title)	5. Email	6. Phone
Board Member	[redacted]	

7. Home Address: 205 10th st S

8. City	9. State	10. Zip Code	11. Date of Birth
La Crosse	WI	54601	[redacted]

12. Driver's License/State ID Number	13. Driver's License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☑ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY): 10/1999

2. List in chronological order all of your addresses **within the last 5 years.** Attach additional sheets if necessary.

Previous Address 1: W26899 Rest Lane	City: Arcadia	State: WI	Zip Code: 54650
Previous Address 2: 1281 21 Helm st	City: Cameron	State: WI	Zip Code: 54822
Previous Address 3	City	State	Zip Code
Previous Address 4	City	State	Zip Code
Previous Address 5	City	State	Zip Code

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
State	County	State	County	State	County	State	County

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? ..... ☐ Yes ☑ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? ..... ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? ..... ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? ..... ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? ..... ☐ Yes ☑ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
[signature]	3-9-26

Form
AB-100

Alcohol Beverage Individual Questionnaire

Date 2-2-26

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Biskemper	Ryan	R

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address
1625 Weston ST

8. City	9. State	10. Zip Code	11. Date of Birth
La Crosse	WI	54601	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☒ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY)

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1: 406 Campbell CT	City: La Crosse	State: WI	Zip Code: 54602
Previous Address 2: 302 4th ST South #3	City: La Crosse	State: WI	Zip Code: 54601
Previous Address 3	City	State	Zip Code
Previous Address 4	City	State	Zip Code
Previous Address 5	City	State	Zip Code

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	La Crosse	[illegible]					
WI	Waukesha	MN	Houston				

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? ..... ☒ Yes ☐ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date
OWI 1	LaCrosse	7-9-2006
Penalty Imposed	**Was sentence completed?**	
Fine	☒ Yes ☐ No	
Law/Ordinance Violated	**Location**	**Conviction Date**
OWI 2	Holmen	5-23-2012
Penalty Imposed	**Was sentence completed?**	
Yes, Fine Jail	☒ Yes ☐ No	
Law/Ordinance Violated	**Location**	**Conviction Date**
Penalty Imposed	**Was sentence completed?**	
	☐ Yes ☐ No	

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? ..... ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
[signature]	2-2-26

Form **AB-100**

Alcohol Beverage Individual Questionnaire

Date 02/02/2026

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor): La Crosse Festivals, Inc.

2. Business Trade Name or DBA: Oktoberfest USA

3. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Furtak	Samuel	R

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	

7. Home Address: E3409 Brinkman Ridge Rd

8. City	9. State	10. Zip Code	11. Date of Birth
Coon Valley	WI	54623	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☑ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY): 07/2021

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

	Previous Address	City	State	Zip Code
1	E3409 Brinkman Ridge Rd	Coon Valley	WI	54623
2	1500 Park Ave	St Charles	MN	55972
3				
4				
5				

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	La Crosse	WI	Vernon	MN	Winona	WI	Ashland
WI	Marathon						

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? ☑ Yes ☐ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date
Operating While Intoxicated	La Crosse, WI	05/15/2015
Penalty Imposed: License Revoked	Was sentence completed? ☑ Yes ☐ No	
Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? ☐ Yes ☐ No	
Law/Ordinance Violated	Location	Conviction Date
Penalty Imposed	Was sentence completed? ☐ Yes ☐ No	

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? ☐ Yes ☑ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
[signature]	2/2/2026

Form
AB-100

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Clark	Teresa	M

4. Relationship to Business (Title)	5. Email	6. Phone
Board of Directors	[redacted]	[redacted]

7. Home Address
1208 Pine St.

8. City	9. State	10. Zip Code	11. Date of Birth
Onalaska	WI	54650	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☑ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY) 04/28/82

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

	City	State	Zip Code
Previous Address 1			
Previous Address 2			
Previous Address 3			
Previous Address 4			
Previous Address 5			

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	Washburn	WI	Barron	WI	Chippewa	WI	La Crosse

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? ☐ Yes ☑ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed	Was sentence completed? ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? ☐ Yes ☑ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
Susan M. Clark	2/2/26

Form
AB-101

Alcohol Beverage Appointment of Agent

Date

Agent Type *(check one)*

☑ Original (no fee) ☐ Successor ($10 fee for municipal licensees only)

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
La Crosse Festivals, Inc.

2. Business Trade Name or DBA
Oktoberfest USA

3. Entity Type *(check one)*
☐ Limited Liability Company ☐ Corporation ☑ Nonprofit Organization

4. Alcohol Beverage Business Authorization *(check one)*
☑ Municipal Retail License ☐ State Permit

5. If successor agent, provide State Permit or Municipal Retail License Number

6. Describe the reason for appointing a successor agent, if successor is checked above.

Part B: Agent Information

1. Last Name	2. First Name	3. M.I.
Krisnowich	Jennifer	L

4. Email	5. Phone
[redacted]	[redacted]

6. Home Address
3130 Beyer Road

7. City	8. State	9. Zip Code	10. Date of Birth
Onalaska	WI	54650	[redacted]

11. Drivers License/State ID Number	12. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Agent Questions

1. Have you satisfied the responsible beverage server training requirement? Submit proof of completion. ☑ Yes ☐ No

2. Have you completed Form AB-100, *Alcohol Beverage Individual Questionnaire* (licensee) or Form AB-300, *Alcohol Beverage Personal Questionnaire* (permittee)? ☑ Yes ☐ No

3. Have you been a Wisconsin resident for at least 90 continuous days? See instructions for exceptions. ☑ Yes ☐ No

Continued →

Part D: Business Attestation

READ CAREFULLY BEFORE SIGNING: I, the **Undersigned**, authorize the above-named individual to act for the above-named corporation, nonprofit organization, or limited liability company with full authority and control of the premises and of all alcohol beverage activities on such premises. I certify that I am authorized by the above-named entity to authorize this individual to act on behalf of the entity. If I am appointing a successor agent, I rescind all previous agent appointments for this premises. Further, I understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Last Name	First Name	M.I.
Krisnowich	Jennifer	L

Title	Email	Phone
Board President	[redacted]	

Signature	Date
Jennifer Krisnowich	2/25/26

Part E: Agent Attestation

READ CAREFULLY BEFORE SIGNING: I, the **Agent**, hereby accept this appointment as agent for the above-named corporation, nonprofit organization, or limited liability company and assume full responsibility for the conduct of all alcohol beverage activities on the premises for the above-named business. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Last Name	First Name	M.I.
Krisnowich	Jennifer	L

Signature	Date
Jennifer Krisnowich	2/25/26

Form **AB-101**

Alcohol Beverage Appointment of Agent

Date:

Agent Type *(check one)*

☐ Original (no fee) ☑ Successor ($10 fee for municipal licensees only)

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
Kwik Trip, Inc.

2. Business Trade Name or DBA
Kwik Trip 829

3. Entity Type *(check one)* ☐ Limited Liability Company ■ Corporation ☐ Nonprofit Organization

4. Alcohol Beverage Business Authorization *(check one)* ■ Municipal Retail License ☐ State Permit

5. If successor agent, provide State Permit or Municipal Retail License Number

6. Describe the reason for appointing a successor agent, if successor is checked above.
New manager assigned to oversee thestore.

Part B: Agent Information

1. Last Name	2. First Name	3. M.I.
Libotte III	George	W.

4. Email [redacted] 5. Phone

6. Home Address
1604 9th St. S.

7. City	8. State	9. Zip Code	10. Date of Birth
La Crosse	WI	54601	[redacted]

11. Drivers License/State ID Number	12. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Agent Questions

1. Have you satisfied the responsible beverage server training requirement? Submit proof of completion. ■ Yes ☐ No

2. Have you completed Form AB-100, *Alcohol Beverage Individual Questionnaire* (licensee) or Form AB-300, *Alcohol Beverage Personal Questionnaire* (permittee)? ■ Yes ☐ No

3. Have you been a Wisconsin resident for at least 90 continuous days? See instructions for exceptions. ■ Yes ☐ No

Continued →

Part D: Business Attestation

READ CAREFULLY BEFORE SIGNING: I, the **Undersigned**, authorize the above-named individual to act for the above-named corporation, nonprofit organization, or limited liability company with full authority and control of the premises and of all alcohol beverage activities on such premises. I certify that I am authorized by the above-named entity to authorize this individual to act on behalf of the entity. If I am appointing a successor agent, I rescind all previous agent appointments for this premises. Further, I understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Last Name	First Name	M.I.
Zietlow	Scott	P.

Title	Email	Phone
CEO/President	[redacted]	[redacted]

Signature	Date
Scott P. Zietlow	3/2/26

Part E: Agent Attestation

READ CAREFULLY BEFORE SIGNING: I, the **Agent**, hereby accept this appointment as agent for the above-named corporation, nonprofit organization, or limited liability company and assume full responsibility for the conduct of all alcohol beverage activities on the premises for the above-named business. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Last Name	First Name	M.I.
Libotte III	George	W.

Signature	Date
[signature]	03/03/26

Form **AB-100**

Alcohol Beverage Individual Questionnaire

Date

All individuals involved in the alcohol beverage business must complete this form, including:

- sole proprietor
- all partners of a partnership
- all officers, directors, and agent of a corporation or nonprofit organization
- members and agent of a limited liability company.

Your alcohol beverage application or renewal is not complete until all required Individual Questionnaires are submitted.

Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
Kwik Trip, Inc.

2. Business Trade Name or DBA
Kwik Trip 829

3. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☒ Corporation ☐ Nonprofit Organization

Part B: Individual Information

1. Last Name	2. First Name	3. M.I.
Libotte III	George	W.

4. Relationship to Business (Title)	5. Email	6. Phone
Agent	[redacted]	[redacted]

7. Home Address
1604 9th St. S.

8. City	9. State	10. Zip Code	11. Date of Birth
La Crosse	WI	54601	[redacted]

12. Drivers License/State ID Number	13. Drivers License/State ID State of Issuance
[redacted]	WI

Part C: Address History

1. Do you currently live in Wisconsin? ☒ Yes ☐ No

If yes, provide the month and year when you permanently moved to Wisconsin (MM/YYYY): 01/2021

2. List in chronological order all of your addresses within the last 5 years. Attach additional sheets if necessary.

Previous Address 1: 1604 9th St. S.	City: La Crosse	State: WI	Zip Code: 54601
Previous Address 2: 3170 35th St. S.	City: La Crosse	State: WI	Zip Code: 54601
Previous Address 3: 555 Red Apple Dr.	City: La Crescent	State: MN	Zip Code: 55947
Previous Address 4:	City:	State:	Zip Code:
Previous Address 5:	City:	State:	Zip Code:

3. List all states and counties you have lived in as an adult. Attach additional sheets if necessary.

State	County	State	County	State	County	State	County
WI	La Crosse	MN	Houston	TX	Harris	FL	Broward
State	County	State	County	State	County	State	County

Continued →

Part D: Criminal History

1. Have you ever been convicted of any offenses (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or of any county or municipal ordinances? ☐ Yes ☒ No

If yes to question 1, please list details of each conviction below. Attach additional sheets as needed.

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed | Was sentence completed? ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed | Was sentence completed? ☐ Yes ☐ No

Law/Ordinance Violated	Location	Conviction Date

Penalty Imposed | Was sentence completed? ☐ Yes ☐ No

2. Are charges for any offenses currently pending against you (excluding traffic offenses unless related to alcohol beverages) for violation of any federal, Wisconsin, or another state's laws or any county or municipal ordinances? ☐ Yes ☒ No

If yes to question 2, describe nature and status of pending charges using the space below. Attach additional sheets as needed.

Part E: Attestation

READ CAREFULLY BEFORE SIGNING: Under penalty of law, I have answered each of the above questions completely and truthfully. I certify that I am not prohibited from participating in this business due to any involvement in another tier of the alcohol beverage industry as a restricted investor. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature | Date 03/03/26

Save Print Clear

Form **AB-105**

Producer Full-Service Retail Sales Application

Date 03/19/2026

Part A: Producer Information

1. Business Legal Name (individual name if sole proprietor): Driftless Pure LLC

2. Business Name or DBA: La Crosse Distilling Company

3. Agent Name: Driftless Pure LLC / Mitchell Parr

4. FEIN: 81-4904048

5. Wisconsin Seller's Permit Number: 312-1029759176-05

6. Wisconsin Producer Permit Number: 312-1029759176-05

7. Producer Type: ☐ Brewery ☐ Winery ☑ Liquor Manufacturer/Rectifier

8. Contact Person's First Name: Angela

9. Last Name: Weber

10. M.I.: M

11. Contact Person's Phone:

12. Contact Person's Email:

Part B: Production Quantity

Note: Check appropriate quantity for permit held (see instructions). If you hold more than one producer permit, check the total aggregate quantity produced for each type of permit. Enter the highest quantity produced in any of the last three calendar years.

Brewery	Manufacturer/Rectifier	Winery
☑ Less than 250 barrels	☐ Less than 1,500 liters	☑ Less than 1,000 gallons
☐ 250 - 2,499 barrels	☐ 1,500 - 4,999 liters	☐ 1,000 - 4,999 gallons
☐ 2,500 - 7,499 barrels	☐ 5,000 - 34,999 liters	☐ 5,000 - 24,999 gallons
☐ 7,500 or more barrels	☑ 35,000 or more liters	☐ 25,000 or more gallons
Calendar year: 2025	Calendar year: 2025	Calendar year:
Quantity: 80	Quantity: 98,012L	Quantity:

Complete only ONE of Part C, D or E.

Part C: Request for Full-Service Retail Sales at the Production Premises

1. Start Date:

2. Production Premises Address:

3. City:

4. State:

5. Zip Code:

6. County:

7. Governing Municipality ☐ City ☐ Town ☐ Village of: _____

Part D: Request for Fixed Full-Service Retail Outlet

1. Are you transferring one fixed full-service retail outlet to a new location? . . . . . ☑ Yes ☐ No
If yes, complete boxes 2 through 9.

2. Current Outlet Name: The Cargill Room

3. Current Outlet Premises Address: 332 Front Street

4. City: La Crosse

5. State: WI

6. Zip Code: 54601

7. County: La Crosse

8. Governing Municipality ☑ City ☐ Town ☐ Village of: La Crosse

9. Premises Phone Number: (608) 782-5400

Continued →

Part D: Request for Fixed Full-Service Retail Outlet (Cont.)

New Fixed Retail Outlet Information (complete boxes 10 through 23)

10. Start Date	11. New Outlet Name		
05/01/2026	The Cargill Room		
12. New Outlet Premises Address			
332 Front Street			
13. City		14. State	15. Zip Code
La Crosse		WI	54601
16. County	17. Governing Municipality ☑ City ☐ Town ☐ Village		18. Premises Phone Number
La Crosse	of: La Crosse		(608) 782-5400

19. Premises Description - Describe the building or buildings and any outside areas where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

The Cargill Room is comprised of one banquet room, terrace, kitchen and storage space located on the first floor of the 332 Front Street Building. Beer, wine, and intoxicating liquor will be sold on for on-premise consumption in the banquet room and will be available for consumption in the banquet room and terrace.

20. Will you operate a restaurant on the premises? . . . . . ☐ Yes ☑ No

21. What alcohol beverages will be offered for sale? (check all that apply) . . . . . ☑ Beer ☑ Wine ☑ Intoxicating Liquor (other than wine)

22. What alcohol beverages does the permittee produce? (check all that apply) ☑ Beer ☐ Wine ☑ Intoxicating Liquor (other than wine)

23. How will customers be served? (check all that apply) . . . ☐ Samples ☑ On-premises consumption ☐ Off-premises consumption

Part E: Request for Unlimited Transfer Full-Service Retail Outlet

1. Name of Event (if applicable)			
2. Dates of Operation (attach a schedule, if necessary)	3. Hours of Operation		
4. Premises Address			
5. City		6. State	7. Zip Code
8. County	9. Governing Municipality ☐ City ☐ Town ☐ Village		
	of:		
10. Organizer of Event (if not the named applicant)	11. Email and/or Phone Number for Organizer of Event		
12. Organizer Website	13. Event Website		

14. Premises Description - Describe the building or buildings and any outside areas where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

15. On-Site Contact (Last Name, First Name)	16. On-Site Contact Phone	17. On-Site Contact Email

18. Will you operate a restaurant on the premises? . . . . . ☐ Yes ☐ No

19. What alcohol beverages will be offered for sale? (check all that apply) . . . . . ☐ Beer ☐ Wine ☐ Intoxicating Liquor (other than wine)

20. What alcohol beverages does the permittee produce? (check all that apply) ☐ Beer ☐ Wine ☐ Intoxicating Liquor (other than wine)

21. How will customers be served? (check all that apply) . . . ☐ Samples ☐ On-premises consumption ☐ Off-premises consumption

Part F: Attestation

Who must sign this application?

• sole proprietor • general partner of a partnership • corporate officer • member of an LLC

READ CAREFULLY BEFORE SIGNING:

I understand and agree to the following:

- I will not operate this location outside of the dates and times approved by the municipality and Division of Alcohol Beverages.
- I will operate this location according to municipal ordinance and restrictions imposed as a condition of receiving this authorization.
- I will purchase alcohol beverages I do not produce from an authorized source, such as a Wisconsin-permitted wholesaler.
- I will operate this location according to Wisconsin law and administrative regulation including but not limited to: underage restrictions, closing hours, licensed operators, and record keeping requirements.

Further, under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the authorization. Further, I agree that the rights and responsibilities conferred by the authorization, if granted, will not be assigned to another individual or entity. I understand that lack of access to any portion of a premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this authorization. I understand that any authorization issued contrary to Wis. Stats. Chapter 125 shall be void under penalty of Wisconsin law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

Signature	Date
	03/19/2026

Last Name	First Name	M.I.
Parr	Mitchell	

Title	Email	Phone
DOR Agent & Distiller		

Part G: For Municipal Use Only (Complete if Requesting Authorization in Part D or E)

1. Will the municipality limit the scope of alcohol beverages offered for sale? . . . . . ☐ Yes ☐ No

2. Will the municipality impose any requirements or restrictions for the full-service retail outlet? . . . . . ☐ Yes ☐ No

3. Describe municipal restrictions indicated in questions 1 or 2 above.

4. Last Name of Municipal Official	5. First Name	6. M.I.

7. Signature of Municipal Official	8. Date

9. Date Application was Filed with Clerk	10. Date Full-Service Retail Outlet Approved by Governing Body

City of La Crosse, Wisconsin

ORIGINAL ALCOHOL LICENSE APPLICATION INFORMATION SUBMITTAL

Rev. 10/2025

(Ch. 4, secs. 4-72 & 4-142)

All new applicants for an alcohol license pursuant to Chapter 4 of the La Crosse Municipal Code shall submit the following information with the original alcohol applications. Any false statement contained in such application shall automatically nullify any license issued pursuant thereto.

Applications will not be accepted until all of the information is complete and necessary documents provided.

TYPE OF LICENSE(S) REQUESTED

Class A: ☐ Beer, ☐ Liquor
Class B: ☐ Beer, ☐ Liquor
Class C: ☐ Wine

X Full-Service Retail Outlet - permit issued by the Department of Revenue
Location approved by the municipality

APPLICANT

Legal Business Name *(Corporation, LLC, Sole Proprietor, Partnership)*:	**Trade Name:**
Driftless Pure LLC	La Crosse Distilling Co.

Address: Street	City	State	Zip Code
332 Front St S	La Crosse	WI	54601

Telephone Number:	**Email:**	**Website:**
[redacted]		lacrossedistilling.co

ACTIVE USE OF LICENSE

☒ *I understand that if a license is granted, said license **must be activated within 90 days of being granted** pursuant to Municipal Code secs. 4-43 and 4-108. This means open for business with stock and equipment.*

Anticipated Date of Opening: May 1, 2026

NA ☐ *I understand that if a license is granted, said license shall be actively utilized pursuant to Municipal Code sec. 4-12. Actively utilized shall mean open for business with regular and consistent operating hours. If a license is not actively used throughout any 90-day period, the license shall be subject to revocation or suspension pursuant to sec. 4-82.*

NA ☐ *I understand that **if there is any change to the license or licensee information**, including but not limited to change in officers/members/directors or agent or their address/phone number, change in hours of operation, etc., **the City Clerk will be notified within 30 days** pursuant to Wis. Stat. sec. 125.04(3)(h).*

CORPORATIONS/LLCs – AGENT QUALIFICATIONS & RESPONSIBILITIES
(N/A for Sole Proprietors and Partnerships)

NA ☐ *I understand that as an officer of the applicant corporation or member of the applicant limited liability company, the appointed alcohol license agent shall meet the requirements of Wis. Stat. Ch. 125 and, in addition, shall have resided within the State of Wisconsin continuously for 90 days prior to the date of application and shall reside within a 25-mile radius of the City limits at the time of application and at all times such individual shall be the appointed agent. Further, the appointed agent is an individual who is regularly involved in the actual conduct of the business and has full authority and control of the premises described and of the conduct of all business on the premises relative to alcohol beverages.*

BUSINESS PLAN

Type of Establishment:

☐ Tavern ☐ Nightclub ☐Restaurant ☐ Liquor Store ☐ Grocery Store
☐ Convenience Store with gas pumps ☐ Convenience Store without gas pumps
☑ Other Event Center

Hours of Operation: Thursday - Sunday 12pm - 12am

Anticipated Number of Employees:
10

Method for training employees in alcohol beverage laws and requirements for employees to hold a beverage operator license: Safe Serve

Other Business to Be Conducted on Premise:
Street parking and public ramps

Estimated gross receipts for food and alcohol beverage sales by percentage.
(Note: Non-alcoholic drinks are classified as "Food.")
Distillery is the beverage operator only

100 % Alcohol _____ % Food _____ % Other

If applicable, describe "Other": _____

Estimated capacity (Class B and Class C licenses only):

Indoor 400 Outdoor, if applicable 130

Will there be any outdoor sales/service or consumption of alcohol? If yes, explain.
If yes, a beer garden license or outdoor dining permit is required.
There is a terrace space attached to the banquet room where consumption of alcohol will be permited

Will there be live entertainment (music or dancing) on premise? If yes, explain.
If yes, a cabaret license is required.
Yes - Indoor and Outdoor Cabaret license held by Riverside Center II LLC

Do you have off-street parking? ☐ Yes ☑ No

If yes, how many parking spaces? _____

If no, how will parking be accommodated. Street parking and public ramps

Provide a sketch of the floor plan showing overall dimensions, the areas of sales, consumption and storage, seating arrangements, location of coolers, and location where records are kept (invoices for purchase of alcohol).

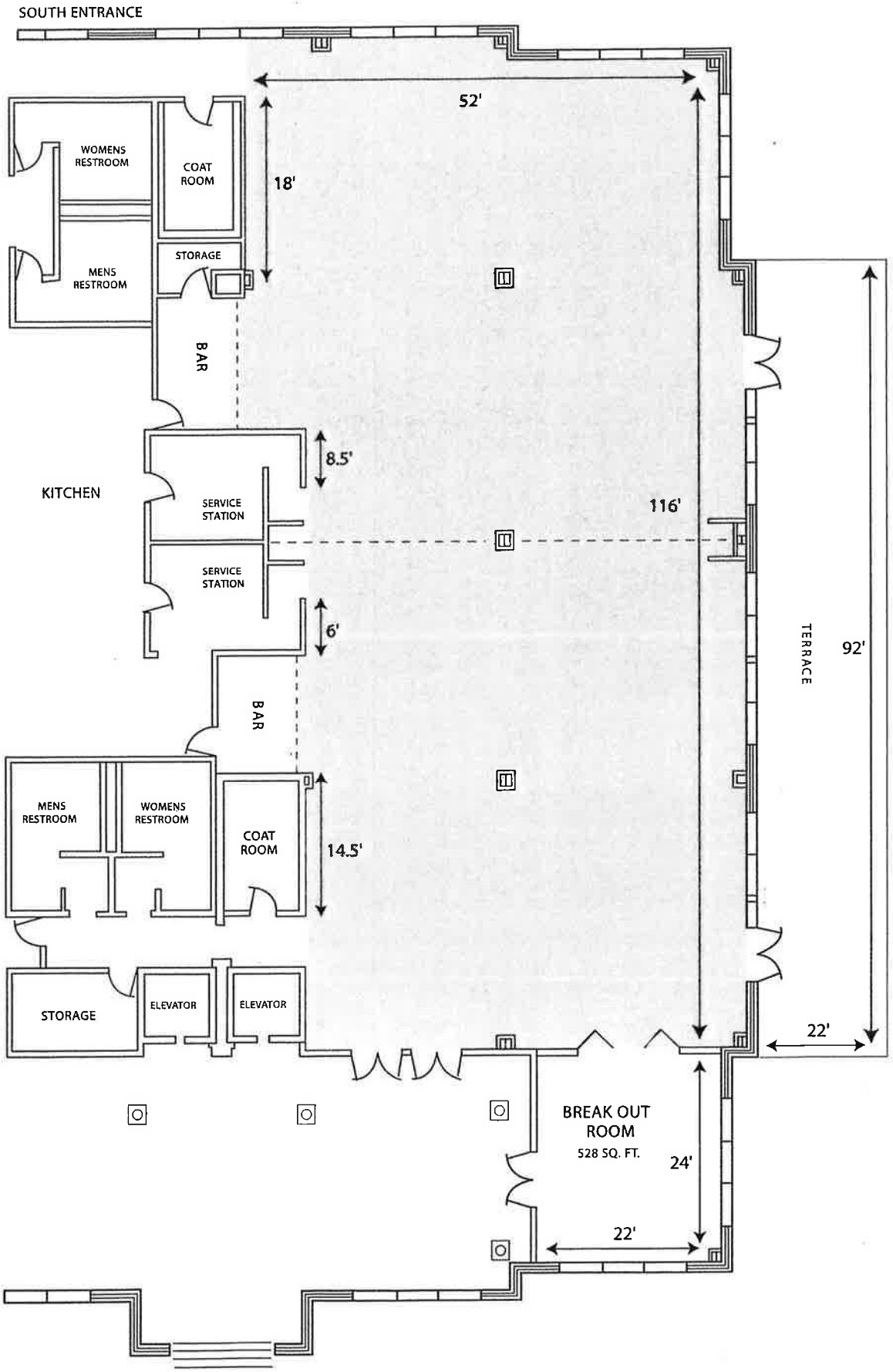
Provide a site plan showing building location, any outside areas where alcohol beverages may be sold or consumed, off-street parking, ingress and egress, and existing or proposed screening.

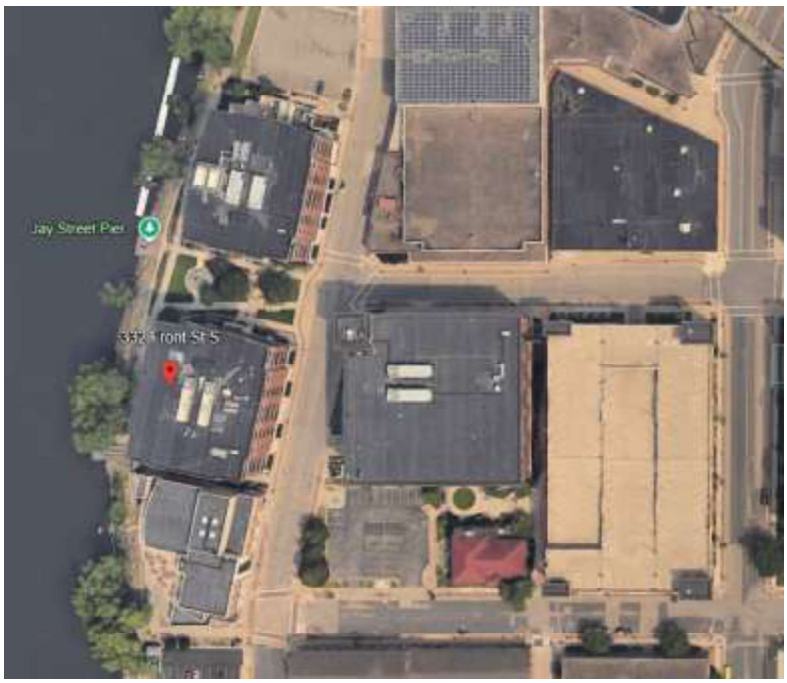
The information provided is true and correct to the best of my knowledge, I have reviewed the Alcohol Beverage Submittal Requirements and Information page and will comply with necessary requirements.

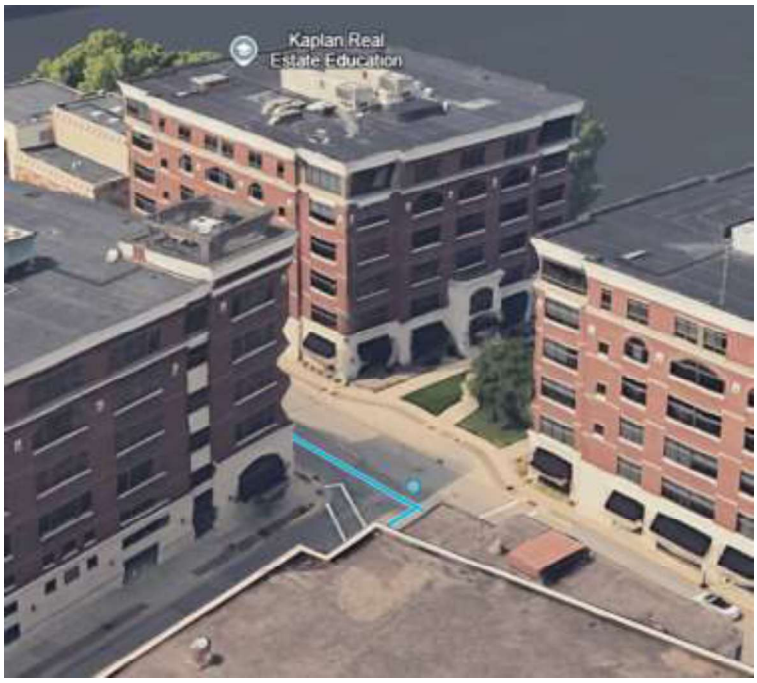
Mitchell Parr Mitchell Parr 3.19.2026

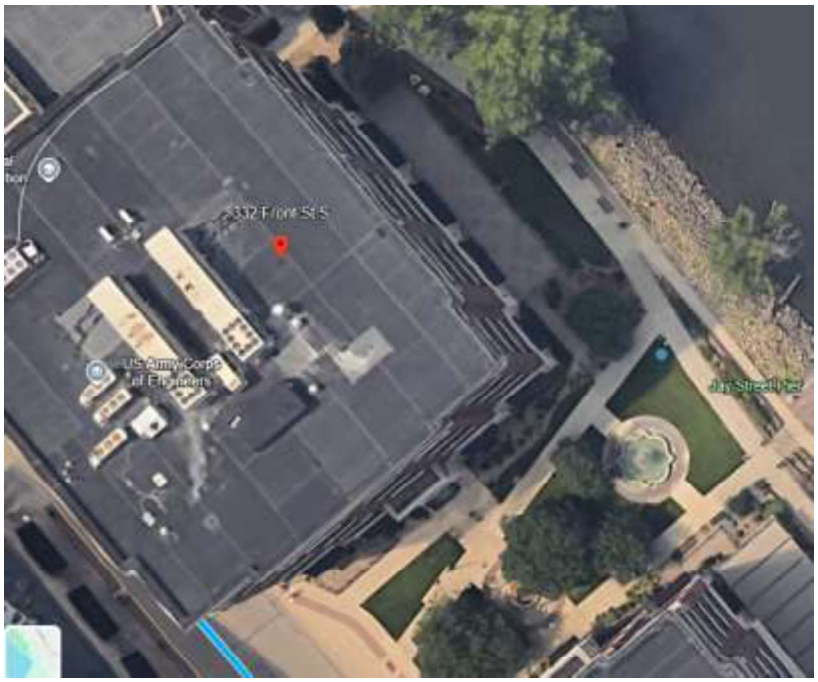
Signature **Date**

FOR OFFICE USE – City Clerk's Office checklist for complete applications
- ☐ Completed applications and fee
- ☐ Surrender of previous license, if applicable
- ☐ Lease, purchase agreement, or other proof of control of premise
- ☐ Contact Information Sheet
- ☐ Articles of Incorporation
- ☐ WI Seller's Permit Certificate (copy)
- ☐ FEIN (copy)
- ☐ Floor Plan
- ☐ Site Plan
- ☐ Proof of course completion or valid operator license or on other license within last two years.
- ☐ Confirm proximity to school, church or hospital
- ☐ Confirm proximity to land zoned residential or multiple dwelling


SOUTH ENTRANCE
52'
18'
WOMENS RESTROOM
COAT ROOM
STORAGE
MENS RESTROOM
BAR
8.5'
KITCHEN
SERVICE STATION
SERVICE STATION
116'
6'
BAR
92'
TERRACE
MISSISSIPPI RIVER
MENS RESTROOM
WOMENS RESTROOM
COAT ROOM
14.5'
STORAGE
ELEVATOR
ELEVATOR
22'
BREAK OUT ROOM
528 SQ. FT.
24'
22'


Jay Street Pier
332 Front St S


Kaplan Real
Estate Education


332 Front St S
US Army Corps
of Engineers
Jay Street Pier

Office of City Clerk

VOLUNTARY SURRENDER OF LICENSE

I, Elizabeth Weber, member of Riverside Center II LLC, do hereby voluntarily surrender the Combination "Class B" Beer and Liquor License for the premises known as The Cargill Room, 332 Front St S in the City of La Crosse, La Crosse County, Wisconsin effective May 1, 2026.

I voluntarily and freely do hereby waive my right to a nonrenewal or revocation hearing.

Dated this 19th day of March 2026.

Signature

Printed Name: Elizabeth Weber

Revision 1/21/2020

City of La Crosse, Wisconsin

APPLICATION FOR *OUTDOOR* CABARET LICENSE

Check One: ☑ New ☐ Renewal For the license period _____ to _____ Fee: $ $200

BUSINESS INFORMATION*

Legal/Real Name:
La Crosse Festivals, Inc.

Address of Above: Street	City	State	Zip Code
PO Box 1716	Onalaska	WI	54650

PREMISES INFORMATION

Trade Name of Business:
Oktoberfest USA

Address of premises to be Licensed:	**Business Phone Number:**
1 Oktoberfest Strasse La Crosse, WI 54601	[redacted]

Premises are Owned By:
JJAWC North LLC

Address of Owner: Street	City	State	Zip Code
509 2nd St N, Suite 201	Onalaska	WI	54650

CABARET INFORMATION

Detailed description of cabaret area to be licensed:
The current Oktoberfest Grounds located at 1 Oktoberfest Strasse La Crosse, WI 54601. The fenced in Grounds include 200,000 SF of asphalt with seasonal tents, pavilions, and buildings used for events during the months of April-October each year.

Nature of Entertainment:
Live music

Other Business Conducted upon the premises:
La Crosse Festivals, Inc. office and meeting rooms.

MANAGER INFORMATION*

Cabaret Manager Name: First	Middle	Last
Hannah	Lynn	Skibba Amundson

Cabaret Manager Home Address: Street	City	State	Zip Code
810 Park Ave	La Crosse	WI	54601

Home Phone Number of Cabaret Manager:	**Daytime Phone Number of Cabaret Manager:**
[redacted]	

Was the above person listed as manager on last year's application?
☐ Yes ☐ No New application in 2026

***Personal Data Sheet must be completed for each Officer/Member of the Business and the Manager.**

The above hereby makes application for a license to operate an Outdoor Cabaret at the above address within the City of La Crosse pursuant to provisions of Chapter 10, Article IV of the Code of Ordinances for the City of La Crosse.

[signature] 2/26/2026

Signature of Applicant Date

OFFICE USE ONLY

For original application:
Attach a list of all property owners within 200 feet of the proposed licensed premises.

Signature:	**Date:**	**Granted:**	**License #:**

NOTICE OF APPLICATION FOR INDOOR CABARET LICENSE IN THE CITY OF LA CROSSE

This is to notify you that the following business has applied for an **Outdoor Cabaret** license under Chapter 10, Article IV of the Code of Ordinances of the City of La Crosse to allow live entertainment in a designated outdoor area, as described below.

Pursuant to sec. 10-140, property owners within 200 feet of the proposed premises for an Outdoor Cabaret License shall receive notice of an original application.

La Crosse Festivals Inc dba Oktoberfest USA
at 1 Oktoberfest Strasse, La Crosse, WI 54601

Outdoor Cabaret description: Fenced grounds including 200,000 sq. ft. of asphalt with seasonal tents, pavilions, and buildings used for events during the months of April-October each year.

This application will be considered at the following meetings which are held in the Council Chambers of La Crosse City Hall, 400 La Crosse Street:

Judiciary and Administration Committee – Tuesday, March 31, 2026 at 6:00 p.m.
Common Council – Thursday, April 9, 2026 at 6:00 p.m.

The meeting can be viewed (no participation) by visiting the Legislative Information Center Meetings calendar (https://cityoflacrosse.legistar.com/Calendar.aspx) - find the scheduled meeting and click on the "In Progress" video link to the far right in the meeting list.

Written comments may be submitted to the City Clerk's Office by emailing cityclerk@cityoflacrosse.org, by delivery or mail to City Clerk, 400 La Crosse Street, La Crosse WI 54601 or by deposit in the green drop box on the north side of City Hall.

This notice is given pursuant to the order of the Common Council of the City of La Crosse.

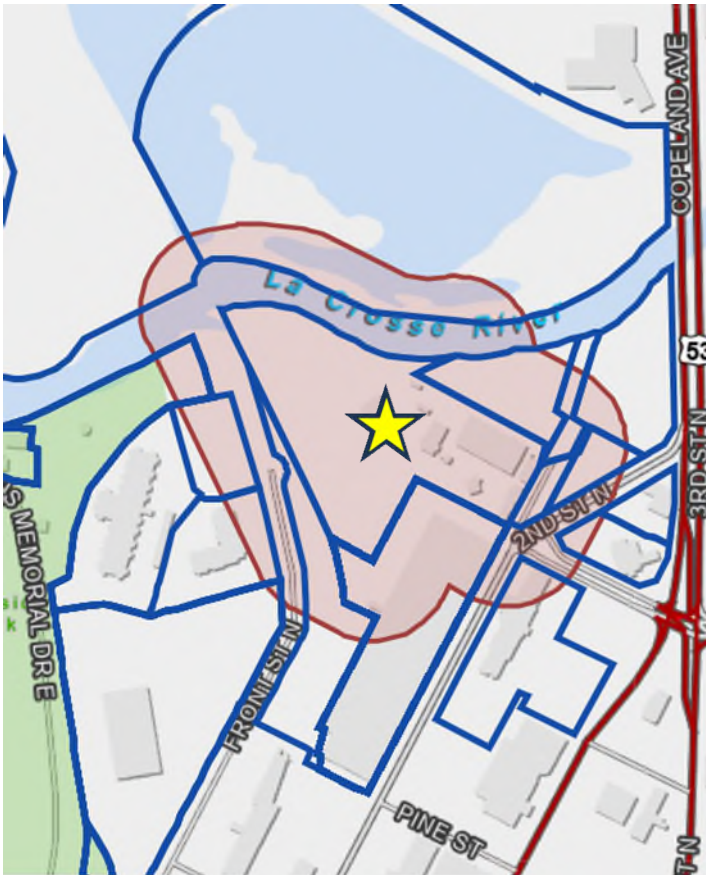
Dated this 18th day of March 2026.

Nikki M. Elsen, WCMC
City Clerk

Alicia Smithburg
Assistant Clerk

Please note:
Properties within 200 feet of the outdoor cabaret are shown outlined in blue.

OwnerName
CompleteAddress
MailCityStateZip



Personal Data Sheet

(Please PRINT All Information)

Each Officer/Member **AND** Manager/Person in Charge must complete all the information and must indicate if they have been convicted of any of the following within the last ten (10) years: a felony, a misdemeanor, a statutory violation punishable by forfeiture or a county or municipal ordinance violation. If none, write "none".

MANAGER/PERSON IN CHARGE

Name: First	Middle	Last		
Hannah	Lynn	Skibba Amundson		
Home Address: Street		City	State	Zip Code
810 Park Ave		Onalaska	WI	54650
Phone Number:	**Email:**		**Date of Birth:** (mm/dd/yyyy)	
[redacted]				

Violations:
None

OFFICER/MEMBER

Name: First	Middle	Last		
Jennifer	L	Krisnowich		
Home Address: Street		City	State	Zip Code
3130 Beyer Road		Onalaska	WI	54650
Phone Number:	**Email:**		**Date of Birth:** (mm/dd/yyyy)	
[redacted]				

Violations:
None

OFFICER/MEMBER

Name: First	Middle	Last		
Timothy	D	Ehler		
Home Address: Street		City	State	Zip Code
W5871 Cedar Road		La Crosse	WI	54601
Phone Number:	**Email:**		**Date of Birth:** (mm/dd/yyyy)	
[redacted]				

Violations:
None

OFFICER/MEMBER

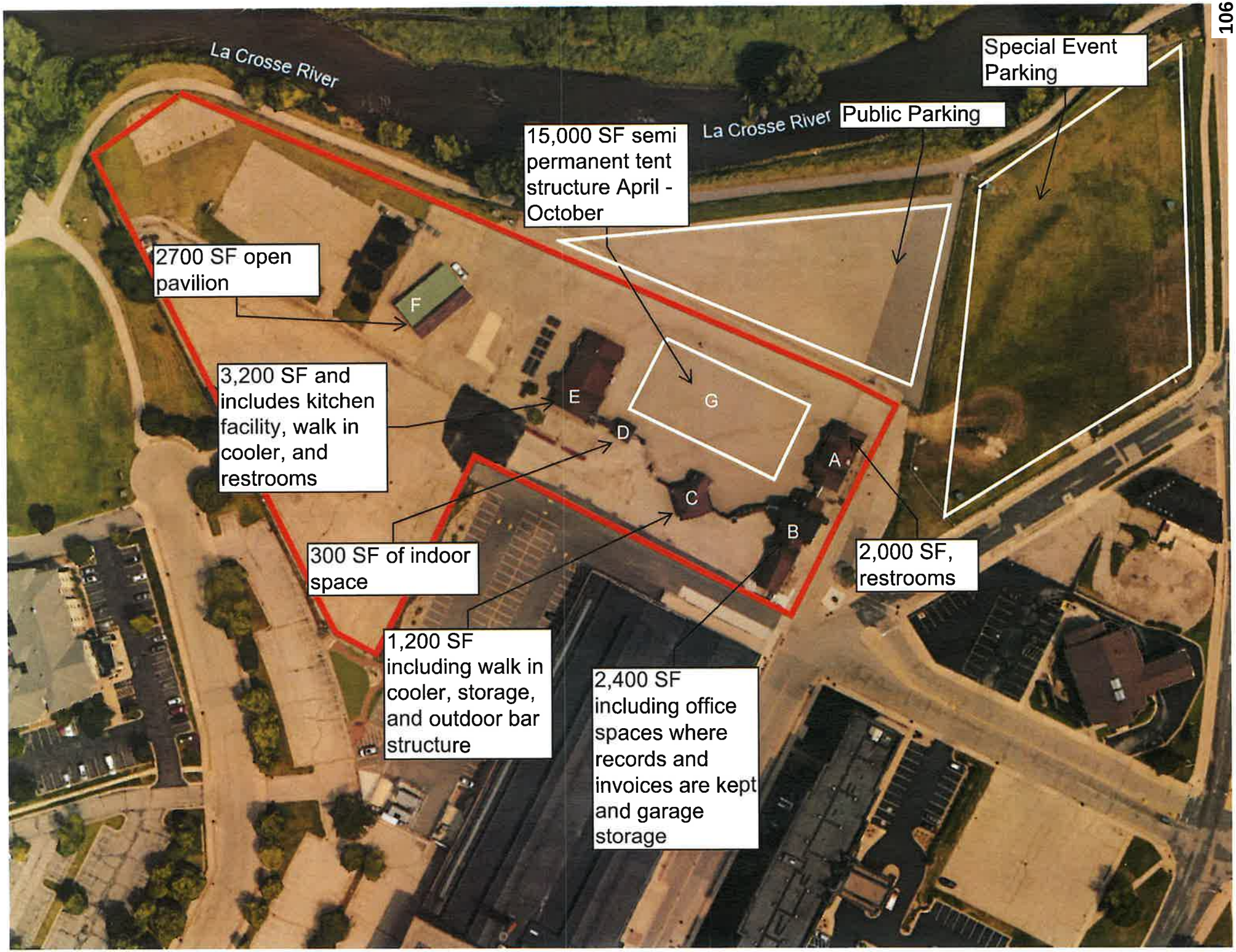
Name: First	Middle	Last		
Candice	CM	Tlustosch		
Home Address: Street		City	State	Zip Code
N4141 Ceresa Ct.		West Salem	WI	54669
Phone Number:	**Email:**		**Date of Birth:** (mm/dd/yyyy)	
[redacted]				

Violations:
None

OFFICER/MEMBER

Name: First	Middle	Last		
Alexander	J	Wasieleski		
Home Address: Street		City	State	Zip Code
909 Division St.		La Crosse	WI	54601
Phone Number:	**Email:**		**Date of Birth:** (mm/dd/yyyy)	
[redacted]				

Violations:
None


La Crosse River
La Crosse River
Special Event Parking
Public Parking
15,000 SF semi permanent tent structure April - October
2700 SF open pavilion
3,200 SF and includes kitchen facility, walk in cooler, and restrooms
300 SF of indoor space
1,200 SF including walk in cooler, storage, and outdoor bar structure
2,400 SF including office spaces where records and invoices are kept and garage storage
2,000 SF, restrooms
A
B
C
D
E
F
G

LA CROSSE FESTIVALS INC - 200FT BUFFER - OUTDOOR CABARET				
Tax Parcel Number	OwnerName	PROPADDCOMP	CompleteAddress	MailCityStateZip
17-20008-110	JJAWC LLC	401 2ND ST N STE 101-103, 425 2ND ST N, 429 2ND ST N APT 101-332 & STE 101, 509 2ND ST N STE 102 & 201, 534 FRONT ST N STE 101	509 2ND ST N	LA CROSSE, WI 54601
17-20009-40	CITY OF LACROSSE	621 3RD ST N	400 LA CROSSE ST	LA CROSSE, WI 54601
17-20009-30	GOVERNMENTAL EMPLOYEES CU	225 LA CROSSE ST	225 LA CROSSE ST	LA CROSSE, WI 54601
17-20009-20	NORTHERN STATES POWER CO	615 2ND ST N	PO BOX 8	EAU CLAIRE, WI 54702-0008
17-20009-75	LACROSSE HOTEL GROUP LLC	511 3RD ST N	511 3RD ST N	LA CROSSE, WI 54601
17-20252-90	JJAWC NORTH LLC	601 OKTOBERFEST STR	509 2ND ST N	LA CROSSE, WI 54601
17-20253-10	NORTHERN STATES POWER CO	711 3RD ST N	PO BOX 8	EAU CLAIRE, WI 54702-0008
17-20253-300	CITY OF LACROSSE	OKTOBERFEST STRASSE	400 LA CROSSE ST	LA CROSSE, WI 54601
17-20280-70	3REALESTATE LLC	333 FRONT ST N STE 200-701	1910 SOUTH AVE	LA CROSSE, WI 54601
17-20253-20	CITY OF LACROSSE	220 & 520 VETERANS MEMORIAL DR E, 201 & 300 & 503 FRONT ST S, 1 STATE ST	400 LA CROSSE ST	LA CROSSE, WI 54601
17-20253-30	NORTHERN STATES POWER CO	711 3RD ST N	PO BOX 8	EAU CLAIRE, WI 54702-0008
17-20280-81	LACROSSE GSRS LLC	525 FRONT ST N	525 FRONT ST N	LA CROSSE, WI 54601
17-20280-82	THREE RIVERS LLC	201 FRONT ST N	1131 MAIN ST	ONALASKA, WI 54650
17-20280-90	3REALESTATE LLC	FRONT ST	1910 SOUTH AVE	LA CROSSE, WI 54601
17-20400-236	CITY OF LACROSSE	RIVER BEND RD	400 LA CROSSE ST	LA CROSSE, WI 54601
17-20400-221	CITY OF LACROSSE	RIVER BEND RD	400 LA CROSSE ST	LA CROSSE, WI 54601
17-20253-90	NORTHERN STATES POWER CO	600 2ND ST N	PO BOX 8	EAU CLAIRE, WI 54702-0008
	CITY OF LACROSSE	400 LA CROSSE ST	400 LA CROSSE ST	LA CROSSE, WI 54601
	LA CROSSE FESTIVALS INC	1 OKTOBERFEST STRASSE	PO BOX 1716	LA CROSSE, WI 54601

Revision 3/3/2020

City of La Crosse, Wisconsin

APPLICATION FOR *RECYCLING* LICENSE

4/2025

Check One: ☑ New ☐ Renewal For the license period WHEN ISSUEI to JUNE 30, 2026 Fee: $ 150.00

☑ Processing Facility ☐ Recycling Center ☐ Pick-Up Station ☐ Reverse Vending Machine

BUSINESS INFORMATION

Legal/Real Name:
7 RIVERS RECYCLING, LLC

Address: Street	City	State	Zip Code
W6833 INDUSTRIAL BLVD	ONALASKA	WI	54650

Trade Name:
- - -

Phone Number:
[redacted]

PREMISES INFORMATION

Address of Premises to be Licensed:
4329 EAST AVE S, LA CROSSE, WI 54601

Detailed Nature of Business:
MATTRESS & BOX SPRING RECYCLING

Kind of material to be collected, bought, sold or otherwise handled:
MATTRESS & BOX SPRINGS TO BE COLLECTED FROM CUSTOMERS -- MATERIAL TO BE RECOVERED: STEEL SPRINGS, POLYUROTHANE FOAMS, AND OTHER FELTS FROM UNITS. MATERIAL TO BE BALED FOR PURCHASE OR GIVEN AWAY FOR UPCYCLING.

The above hereby makes application for a license to operate a Recycling business at the above address within the City of La Crosse pursuant to provisions of Chapter 10, Article XII of the Code of Ordinances for the City of La Crosse and subject to all laws of the State of Wisconsin. Failure upon the part of this applicant to comply with such laws ordinances shall be justification for the revocation of any license that may be issued pursuant hereto.

Brandon K Hamilton
(Signature of Applicant)

March 5 2026
(Date)

RECEIVED
MAR 05 2026
City Clerk's Office

OFFICE USE ONLY:
Customer #: _____ Granted: _____ License #: _____

Personal Data Sheet

(Please PRINT All Information)

Each Officer/Member **AND** Manager/Person in Charge must complete all the information and must indicate if they have been convicted of any of the following within the last ten (10) years: a felony, a misdemeanor, a statutory violation punishable by forfeiture or a county or municipal ordinance violation. If none, write "none".

MANAGER/PERSON IN CHARGE

Name: First	Middle	Last
BRANDON	MICHAEL	KNUDTSON

Home Address: Street	City	State	Zip Code
3508 CLIFFSIDE DR	LA CROSSE	WI	54601

Phone Number:	Email:	Date of Birth: (mm/dd/yyyy)
[redacted]		

Violations:
NONE

OFFICER/MEMBER

Name: First	Middle	Last
TAYLOR	SCOTT	KOHLWEY

Home Address: Street	City	State	Zip Code
N5555 SOBKOWIAK RD	ONALASKA	WI	54650

Phone Number:	Email:	Date of Birth: (mm/dd/yyyy)
[redacted]	[redacted]	

Violations:
NONE

OFFICER/MEMBER

Name: First	Middle	Last

Home Address: Street	City	State	Zip Code

Phone Number:	Email:	Date of Birth: (mm/dd/yyyy)

Violations:

OFFICER/MEMBER

Name: First	Middle	Last

Home Address: Street	City	State	Zip Code

Phone Number:	Email:	Date of Birth: (mm/dd/yyyy)

Violations:

OFFICER/MEMBER

Name: First	Middle	Last

Home Address: Street	City	State	Zip Code

Phone Number:	Email:	Date of Birth: (mm/dd/yyyy)

Violations:

City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 26-0254

Agenda Date: 3/31/2026 **Version:** 1 **Status:** New Business

In Control: Judiciary & Administration Committee **File Type:** Plat/Certified Survey Map

Agenda Number:

OFFICE OF
CITY ENGINEER
CITY HALL
400 LA CROSSE ST
LA CROSSE WI 54601-3396
(608) 789-7505

FEATHERSTONE RISE
PRE-PLAT SUBMITTALS
EXTRA-TERRITOCIAL

(PRELIMINARY AND FINAL) PLAT SUBMITTAL CHECK LIST

To be completed by Engineering before filing with the City Clerk

(Note: More than one checklist item may be on a sheet of paper)

1. ✓ Preliminary Plat (Face Plat)
2. ✓ Survey Plat (Existing Conditions)
3. ✓ Site Plan (Tree, Lighting, Parks)
4. ✓ Grading Plan (Proposed Grades)
5. ✓ Erosion Control Plan
   a. Silt fence
   b. Mats
   c. Tracking Pads
   d. 30 % Slopes (If Necessary)
   e. Rip-Rap
   f. Grades (Proposed/Existing)
6. ✓ Hydrology (Pre/Post), Soils, and Calculations book
   a. Storm water Narrative
7. ✓ Utility Plan
   a. Sanitary
   b. Water
   c. Storm
8. ✓ Plan and Profile
   a. Street
   b. Utility
9. ✓ Structure Details
   a. Erosion Protection
   b. Street
   c. Utilities (If Necessary)
10. ✓ Covenants and Restrictions

KL 3/4/26

To be completed by City Clerk at time of filing:

11. 3/10/2026 — Twelve (12) sets; five (5) of those full sets (i.e. site plan, grading plan, erosion control, etc.)
12. n/a — Public Site Fee (Due at Final Plat Submittal - $100/lot in lieu of public lands dedication)
    (Applies to all residential projects, including condos; does not apply to commercial plats or commercial condos.)
13. 3/10/2026 — Reviewing Fees
    Preliminary $500.00
    Final $200.00
    Reapplication $100.00
    (If filing prelim and final simultaneously, $700.00 is due at filing.)

BEFORE FILING WITH THE CITY, you must have both Town and County approvals. The Plan Commission may not consider any subdivision or land division which did not have prior approval by the approving authorities for both the Town(s) and La Crosse County.

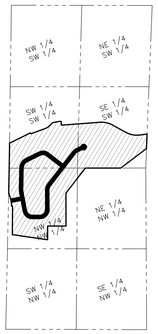
Town Board Approved: 2/17/2026 (Date) La Crosse County Approved: 3/2/2026 (Date)

Rev. 12/2015

PRELIMINARY PLAT OF
FEATHERSTONE RISE

PART OF THE NORTHWEST 1/4 & NORTHEAST 1/4
OF THE NORTHWEST 1/4 OF SECTION 7 AND
PART OF THE SOUTHWEST 1/4 & SOUTHEAST 1/4
OF THE SOUTHWEST 1/4 OF SECTION 6,
ALL IN TOWNSHIP 15 NORTH, RANGE 6 WEST,
TOWN OF SHELBY, LA CROSSE COUNTY, WISCONSIN.

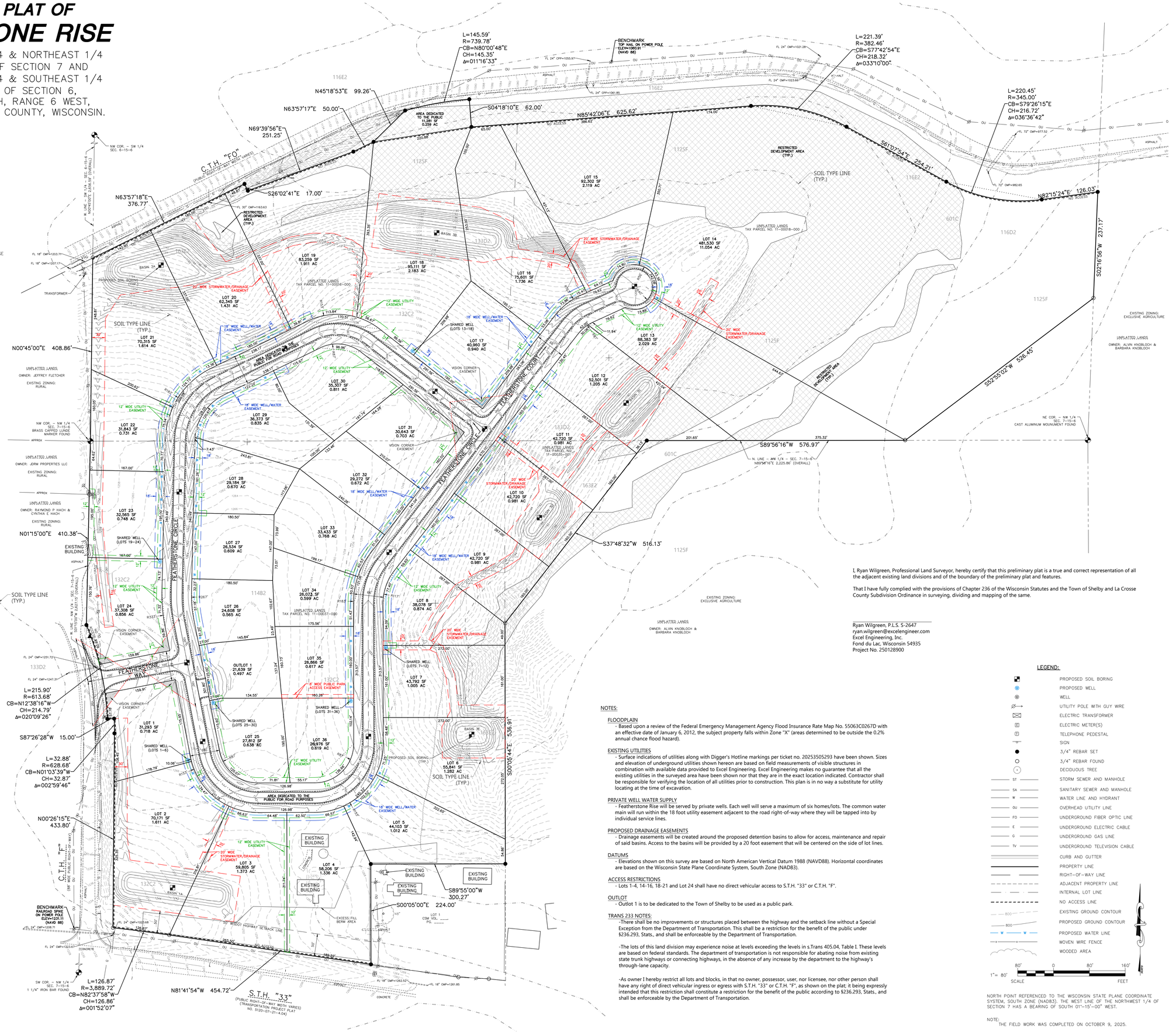
VICINITY MAP
SW 1/4, SECTION 6-15-6
SCALE 1"=1000'



VICINITY MAP
NW 1/4, SECTION 7-15-6
SCALE 1"=1000'

= FEATHERSTONE RISE SUBDIVISION

TOTAL AREA
54.886 ACRES
2,390,834 SQ. FT.



OWNER/DEVELOPER/SUBDIVIDER:
FEATHERSTONE RISE LLC
232 3RD STREET N., SUITE 202
LA CROSSE, WI 54601

ENGINEER & SURVEYOR:
EXCEL ENGINEERING, INC.
100 CAMELOT DRIVE
FOND DU LAC, WI 54935

NOTES:

FLOODPLAIN
- Based upon a review of the Federal Emergency Management Agency Flood Insurance Rate Map No. 55063C0267D with an effective date of January 6, 2012, the subject property falls within Zone "X" (areas determined to be outside the 0.2% annual chance flood hazard).

EXISTING UTILITIES
- Surface indications of utilities along with Digger's Hotline markings per ticket no. 20253505293 have been shown. Sizes and elevation of underground utilities shown hereon are based on field measurements of visible structures in combination with available data provided to Excel Engineering. Excel Engineering makes no guarantee that all the existing utilities in the surveyed area have been shown nor that they are in the exact location indicated. Contractor shall be responsible for verifying the location of all utilities prior to construction. This plan is in no way a substitute for utility locating at the time of excavation.

PRIVATE WELL WATER SUPPLY
- Featherstone Rise will be served by private wells. Each well will serve a maximum of six homes/lots. The common water main will run within the 18 foot utility easement adjacent to the road right-of-way where they will be tapped into by individual service lines.

PROPOSED DRAINAGE EASEMENTS
- Drainage easements will be created around the proposed detention basins to allow for access, maintenance and repair of said basins. Access to the basins will be provided by a 20 foot easement that will be centered on the side of lot lines.

DATUMS
- Elevations shown on this survey are based on North American Vertical Datum 1988 (NAVD88). Horizontal coordinates are based on the Wisconsin State Plane Coordinate System, South Zone (NAD83).

ACCESS RESTRICTIONS
- Lots 1-4, 14-16, 18-21 and Lot 24 shall have no direct vehicular access to S.T.H. "33" or C.T.H. "F".

OUTLOT
- Outlot 1 is to be dedicated to the Town of Shelby to be used as a public park.

TRANS 233 NOTES:
-There shall be no improvements or structures placed between the highway and the setback line without a Special Exception from the Department of Transportation. This shall be a restriction for the benefit of the public under §236.293, Stats., and shall be enforceable by the Department of Transportation.

-The lots of this land division may experience noise at levels exceeding the levels in s.Trans 405.04, Table I. These levels are based on federal standards. The department of transportation is not responsible for abating noise from existing state trunk highways or connecting highways, in the absence of any increase by the department to the highway's through-lane capacity.

-As owner I hereby restrict all lots and blocks, in that no owner, possessor, user, nor licensee, nor other person shall have any right of direct vehicular ingress or egress with S.T.H. "33" or C.T.H. "F", as shown on the plat; it being expressly intended that this restriction shall constitute a restriction for the benefit of the public according to §236.293, Stats., and shall be enforceable by the Department of Transportation.

I, Ryan Wilgreen, Professional Land Surveyor, hereby certify that this preliminary plat is a true and correct representation of all the adjacent existing land divisions and of the boundary of the preliminary plat and features.

That I have fully complied with the provisions of Chapter 236 of the Wisconsin Statutes and the Town of Shelby and La Crosse County Subdivision Ordinance in surveying, dividing and mapping of the same.

Ryan Wilgreen, P.L.S. S-2647
ryan.wilgreen@excelengineer.com
Excel Engineering, Inc.
Fond du Lac, Wisconsin 54935
Project No. 250128900

LEGEND:

- PROPOSED SOIL BORING
- PROPOSED WELL
- WELL
- UTILITY POLE WITH GUY WIRE
- ELECTRIC TRANSFORMER
- ELECTRIC METER(S)
- TELEPHONE PEDESTAL
- SIGN
- 3/4" REBAR SET
- 3/4" REBAR FOUND
- DECIDUOUS TREE
- ST — STORM SEWER AND MANHOLE
- SA — SANITARY SEWER AND MANHOLE
- W — WATER LINE AND HYDRANT
- OU — OVERHEAD UTILITY LINE
- FO — UNDERGROUND FIBER OPTIC LINE
- E — UNDERGROUND ELECTRIC CABLE
- G — UNDERGROUND GAS LINE
- TV — UNDERGROUND TELEVISION CABLE
- CURB AND GUTTER
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- ADJACENT PROPERTY LINE
- INTERNAL LOT LINE
- NO ACCESS LINE
- 800 — EXISTING GROUND CONTOUR
- 800 — PROPOSED GROUND CONTOUR
- W — W — PROPOSED WATER LINE
- WOVEN WIRE FENCE
- WOODED AREA

1" = 80' SCALE: 80' 0 80' 160' FEET

NORTH POINT REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD83). THE WEST LINE OF THE NORTHWEST 1/4 OF SECTION 7 HAS A BEARING OF SOUTH 01°-15'-00" WEST.

NOTE:
THE FIELD WORK WAS COMPLETED ON OCTOBER 9, 2025.

EXCEL
Always a Better Plan
100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PROJECT INFORMATION

PRELIMINARY PLAT
FEATHERSTONE RISE
S.T.H. "33" • LA CROSSE, WI 54601

PROFESSIONAL SEAL

PRELIMINARY DATES
JAN. 9, 2026
JAN. 21, 2026
FEB. 23, 2026

NOT FOR CONSTRUCTION

JOB NUMBER
250128900

SHEET NUMBER
PP

2025 © EXCEL ENGINEERING, INC.

PROPOSED RESIDENTIAL SUBDIVISION

FEATHERSTONE RISE

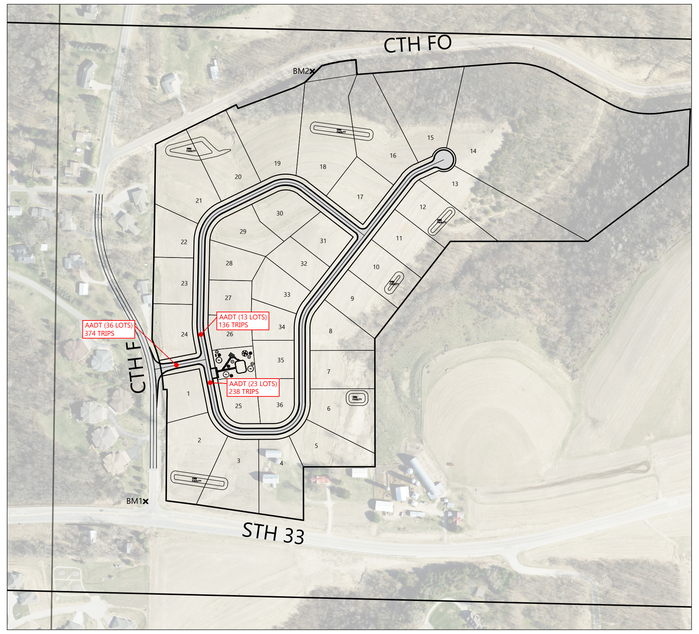
LA CROSSE, WI

SHEET INDEX

SHEETS BELOW INTENDED TO BE PRINTED IN: COLOR. REFER TO DIGITAL FORMAT DRAWINGS IF PRINTED GRAYSCALE TO ENSURE SCOPE CLARITY.

NUMBER	SHEET NAME/DESCRIPTION	PRELIMINARY	ISSUED FOR APPROVAL	ISSUED FOR CONSTRUCTION
	DATE:	JAN. 9, 2025	FEB. 23, 2025	
TITLE SHEET, SPECIFICATIONS, AND DETAILS				
C1.0	CIVIL COVER SHEET	PRELIM	PRELIM	
C2.0	DETAILS	PRELIM	PRELIM	
C2.1	BIOFILTRATION DETAILS	PRELIM	PRELIM	
C2.2	BIOFILTRATION DETAILS	PRELIM	PRELIM	
C2.3	BIOFILTRATION DETAILS	PRELIM	PRELIM	
EXISTING CONDITIONS AND DEMOLITION PLAN				
C3.0	EXISTING SITE AND DEMOLITION PLAN	PRELIM	PRELIM	
MASS GRADING AND EROSION CONTROL				
C4.0	OVERALL MASTER GRADING AND EROSION CONTROL PLAN	PRELIM	PRELIM	
C4.1	SOUTH MASTER GRADING AND EROSION CONTROL PLAN	PRELIM	PRELIM	
C4.2	NORTHWEST MASTER GRADING AND EROSION CONTROL PLAN	PRELIM	PRELIM	
C4.3	NORTHEAST MASTER GRADING AND EROSION CONTROL PLAN	PRELIM	PRELIM	
UTILITY SYSTEM PLAN				
C5.0	SYSTEM PLAN	PRELIM	PRELIM	
C5.1	SOUTH SYSTEM PLAN	PRELIM	PRELIM	
C5.2	NORTHWEST SYSTEM PLAN	PRELIM	PRELIM	
C5.3	NORTHEAST SYSTEM PLAN	PRELIM	PRELIM	
ROAD AND STORM PLAN AND PROFILE				
C6.0	FEATHERSTONE WAY	PRELIM	PRELIM	
C6.1	FEATHERSTONE CIRCLE	PRELIM	PRELIM	
C6.2	FEATHERSTONE CIRCLE	PRELIM	PRELIM	
C6.3	FEATHERSTONE CIRCLE	PRELIM	PRELIM	
C6.4	FEATHERSTONE CIRCLE	PRELIM	PRELIM	
C6.5	FEATHERSTONE COURT	PRELIM	PRELIM	
PARK LAYOUT EXHIBIT				
C7.0	PARK LAYOUT EXHIBIT	PRELIM	PRELIM	

SHEET INDEX LEGEND:
PRELIMINARY SHEET = PRELIM
ISSUED FOR APPROVAL = IFA
ISSUED FOR CONSTRUCTION = ●



SUBDIVISION LAYOUT OVERVIEW

NORTH

SCALE: 1"= 300'
300' 0 300' 600'

LEGEND

NOTE: ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWINGS.

SYM.	IDENTIFICATION	SYM.	IDENTIFICATION
SPOT ELEVATIONS			
888.30	PROPOSED SPOT ELEVATIONS	877.37	PROPOSED SPOT ELEVATIONS - INTERSECTION PLANS (FLOW LINE OF CURB UNLESS OTHERWISE SPECIFIED)
893.0 EG	EXISTING GRADE SPOT ELEVATIONS	876.3	INTERMEDIATE GRADE SPOT ELEVATIONS
EXISTING SITE SYMBOLS			
	EXISTING SIGN		EXISTING UTILITY POLE
	EXISTING WATER VALVE IN BOX		EXISTING UTILITY POLE WITH GUY WIRE
	EXISTING WATER VALVE IN MANHOLE		EXISTING STREET LIGHT
	EXISTING WATER SERVICE VALVE	T	EXISTING TELEPHONE PEDESTAL
	EXISTING WELL	E	EXISTING ELECTRIC PEDESTAL
	EXISTING STORM CATCH BASIN		EXISTING ELECTRIC BOX
	EXISTING STORM CURB INLET		EXISTING FLOOD LIGHT
	EXISTING SQUARE CATCH BASIN	T	EXISTING TELEPHONE MANHOLE
	EXISTING END SECTION	C	EXISTING CABLE TV PEDESTAL
	EXISTING LIGHT POLE		EXISTING GAS VALVE
	1-1/4" REBAR SET WEIGHING 4.30 LB/FT.		EXISTING HEDGE
	3/4" REBAR SET WEIGHING 1.50 LB/FT.		EXISTING WOODED AREA
	1-1/4" REBAR FOUND		EXISTING MARSH AREA
	3/4" REBAR FOUND		EXISTING DECIDUOUS TREE WITH TRUNK DIAMETER
	2" IRON PIPE FOUND		EXISTING CONIFEROUS TREE
	1" IRON PIPE FOUND		EXISTING SHRUB
	SECTION CORNER		EXISTING STUMP
PROPOSED SITE SYMBOLS			
	PROPOSED SIGN		PROPOSED DRAINAGE FLOW
	PROPOSED WATER VALVE IN BOX		INTERMEDIATE DRAINAGE FLOW
	PROPOSED WATER SERVICE VALVE (CURB STOP)		SOIL BORING
	PROPOSED STORM FIELD INLET - ST FI	CO	PROPOSED CLEANOUT
	PROPOSED STORM CURB INLET - ST CI		PROPOSED BALE DITCH CHECK
	PROPOSED STORM END SECTION		PROPOSED SILT LOG
		IP	PROPOSED TYPE B INLET PROTECTION
EXISTING LINETYPES			
	EXISTING CHAINLINK FENCE	800	EXISTING GROUND CONTOUR
	EXISTING WOOD FENCE	FO	EXISTING UNDERGROUND FIBER OPTIC LINE
	EXISTING BARBED WIRE FENCE	E	EXISTING UNDERGROUND ELECTRIC CABLE
	EXISTING CURB AND GUTTER	T	EXISTING UNDERGROUND TELEPHONE CABLE
	EXISTING GUARD RAIL	G	EXISTING UNDERGROUND GAS LINE
ST	EXISTING STORM SEWER AND MANHOLE	OU	EXISTING OVERHEAD UTILITY LINE
SA	EXISTING SANITARY SEWER AND MANHOLE		EXISTING RAILROAD TRACKS
2x6	EXISTING WATER LINE AND HYDRANT		EXISTING RIGHT-OF-WAY LINE
PROPOSED LINETYPES			
	PROPOSED SILT FENCE	ST	PROPOSED STORM SEWER AND MANHOLE - ST MH
	PROPOSED CURB AND GUTTER	SA	PROPOSED SANITARY SEWER AND MANHOLE - SAN MH
800	PROPOSED GROUND CONTOUR	2x6	PROPOSED WATER LINE AND HYDRANT
760	INTERMEDIATE GROUND CONTOUR		PHASE LIMITS
	PROPOSED PROPERTY LINE		

PROJECT CONTACTS

OWNER INFORMATION:
FEATHERSTONE RISE
NICK WEBER
129 VINE STREET
LA CROSSE, WI 54601
Phone: (608)385-9393
Email: nick@lacrossedistilling.co

CIVIL:
EXCEL ENGINEERING
GRANT DUCHAC, P.E.
100 CAMELOT DRIVE
FOND DU LAC, WI 54935
Phone: (920) 322-1681
E-mail: grant.d@excelengineer.com

TOWN ADMINISTRATOR:
CHRISTINA PETERSON
Phone: (608)788-1032
E-mail: cpeterson@townofshelbywi.gov

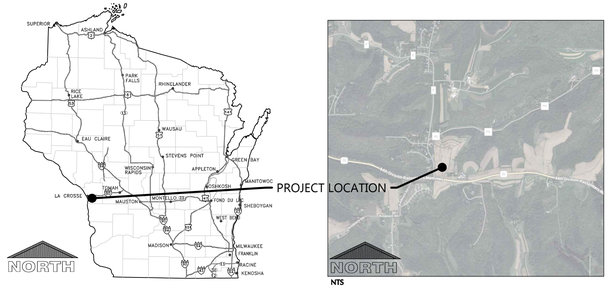
COUNTY PLANNER:
DILLON CONSTANT
Phone: (608)789-7806
E-mail: dconstant@lacrossecounty.org

TOWN FIRE CHIEF:
TOWN OF SHELBY
TONY HOLINKA
Phone: (608) 788-1032 x7
E-mail: shelbyfirechief@townofshelbywi.gov

TOWN BUILDING INSPECTOR:
GENERAL ENGINEERING COMPANY
BOB ALSENS
Phone: (608) 742-2169
E-mail: balsens@generalengineering.net

TOWN DIRECTIOR OF PUBLIC WORKS:
TOWN OF SHELBY
TERRY WRIGHT
Phone: (608) 788-1032 x7
E-mail: twright@townofshelbywi.gov

LOCATION MAP



NTS

PROJECT NOTES

GENERAL PROJECT NOTES

1. CONSTRUCTION STAKING SHALL BE COMPLETED BY EXCEL ENGINEERING AS REQUESTED BY THE CONTRACTOR AT THE DEVELOPER'S EXPENSE. CAD DRAWING FILES AND SURVEY CONTROL WILL NOT BE PROVIDED FOR STAKING PURPOSES.
2. THE ENGINEER WILL OBTAIN COUNTY ACCESS AND WORK IN ROW PERMITS.
3. CONTRACTOR SHALL REFER TO THE LA CROSSE COUNTY STANDARD SPECIFICATIONS FOR LAND DEVELOPMENT, WATER SPECIFICATIONS, WISDOT, AND STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN.

STORMWATER BASIN ASBUILT NOTE

CONTRACTOR TO CONTACT EXCEL ENGINEERING TO COMPLETE AN AS-BUILT SURVEY FOLLOWING COMPLETION OF THE CONSTRUCTION OF THE STORMWATER BASIN. CONTRACTOR SHALL GIVE EXCEL ENGINEERING A MINIMUM OF A 3 DAY NOTICE. PLEASE NOTE THAT THE HORIZONTAL TOLERANCE FOR POND CONSTRUCTION IS 0.50' AND THE VERTICAL TOLERANCE FOR POND, OUTLET, AND SPILLWAY CONSTRUCTION IS 0.10'. ANY ADDITIONAL WORK REQUIRED TO SURVEY A POND FULL OF WATER OR FOR SURVEYING FOLLOWING REWORK SHALL BE AT THE CONTRACTOR'S EXPENSE. ENSURE SEDIMENT IS REMOVED AND STORM WATER MANAGEMENT BASINS ARE AT FINAL COMPLETION PRIOR TO SURVEY. A PRE-ASBUILT CHECK CAN BE PROVIDED AT THE CONTRACTOR'S EXPENSE.

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE TELEFAX (414) 259-0947
TDD (FOR THE HEARING IMPAIRED)
1-800 542-2289
WISCONSIN STATUTE 182.0175 (1974) REQUIRES MINIMUM OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

BENCHMARK INFORMATION

BENCHMARK NUMBER	BENCHMARK DESCRIPTION (NAVD 88)	ELEVATION
BM1	RAILROAD SPIKE ON POWER POLE AT THE NORTHWEST CORNER OF CTH F AND STH 33 INTERSECTION	1231.11
BM2	RAILROAD SPIKE ON POWER POLE APPROXIMATELY 1,050' EAST OF CTH F AND CTH FO INTERSECTION	1113.31

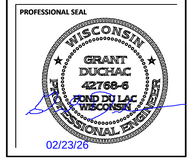
CIVIL COVER SHEET

EXCEL
Always a Better Plan
100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

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PROPOSED RESIDENTIAL SUBDIVISION
FEATHERSTONE RISE
CTH F & STH 33 • LA CROSSE, WI 54601

PROFESSIONAL SEAL

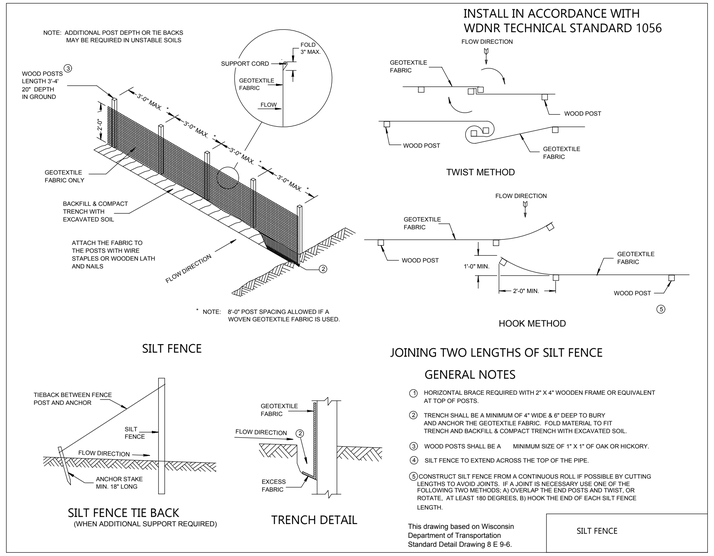


PRELIMINARY DATES
JAN. 9, 2026
FEB. 23, 2026

NOT FOR CONSTRUCTION

JOB NUMBER
250128900

SHEET NUMBER
C1.0



SILT FENCE - INSTALLATION DETAIL

NO SCALE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD NO. 1053 (CHANNEL EROSION MAT).

VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.

LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V-SHAPED DITCHES.

JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.

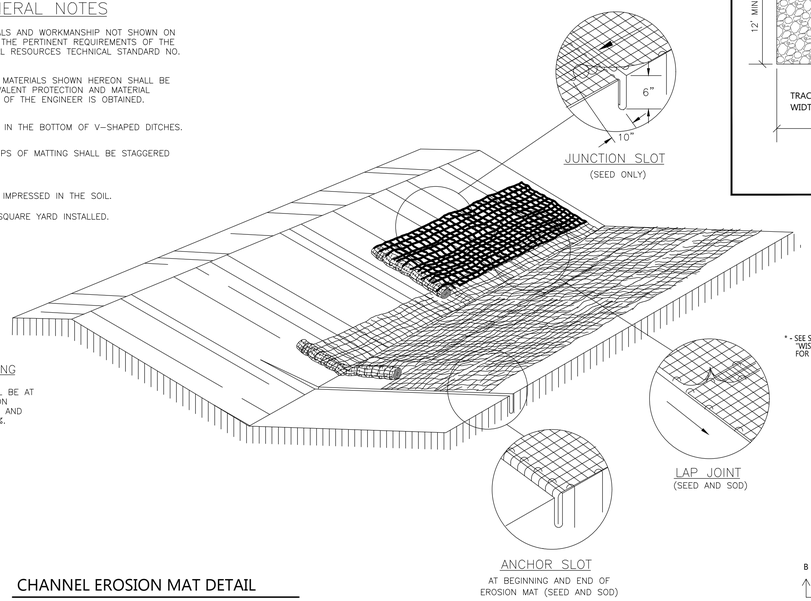
EDGES OF EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

EROSION MAT SHALL PAID BY THE SQUARE YARD INSTALLED.

EROSION MAT OVER SEEDING

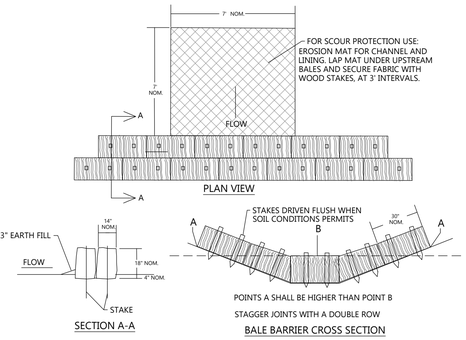
JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3%, AND 50 FEET ON GRADES EXCEEDING 3%.

NOTE:
SEE LA CROSSE COUNTY SPECIFICATIONS FOR MATTING TYPE



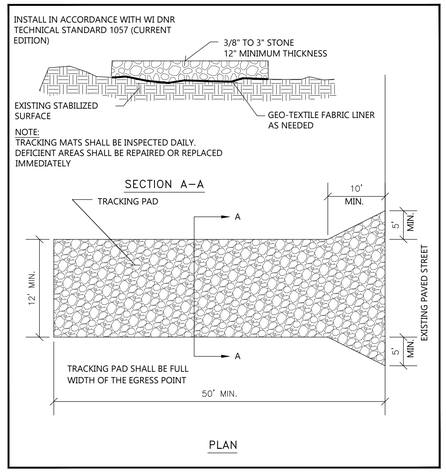
CHANNEL EROSION MAT DETAIL

NOT TO SCALE



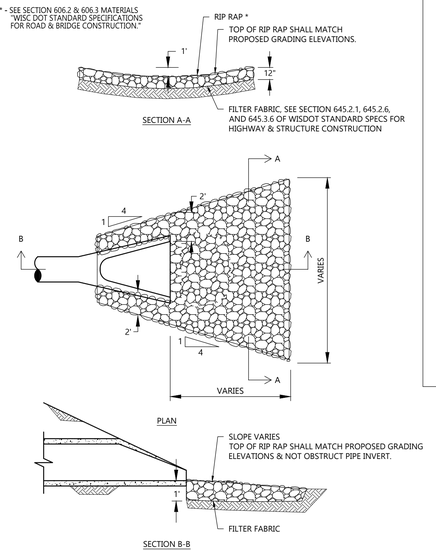
HAY OR STRAW BALE DITCH CHECK

NO SCALE



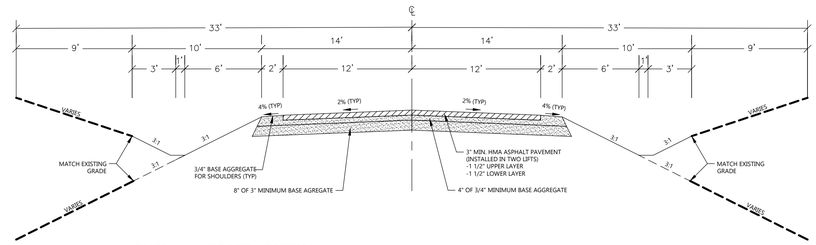
TRACKING PAD DETAILS

NO SCALE



RIP RAP AT APRON DETAIL

NOT TO SCALE



TYPICAL STREET SECTION

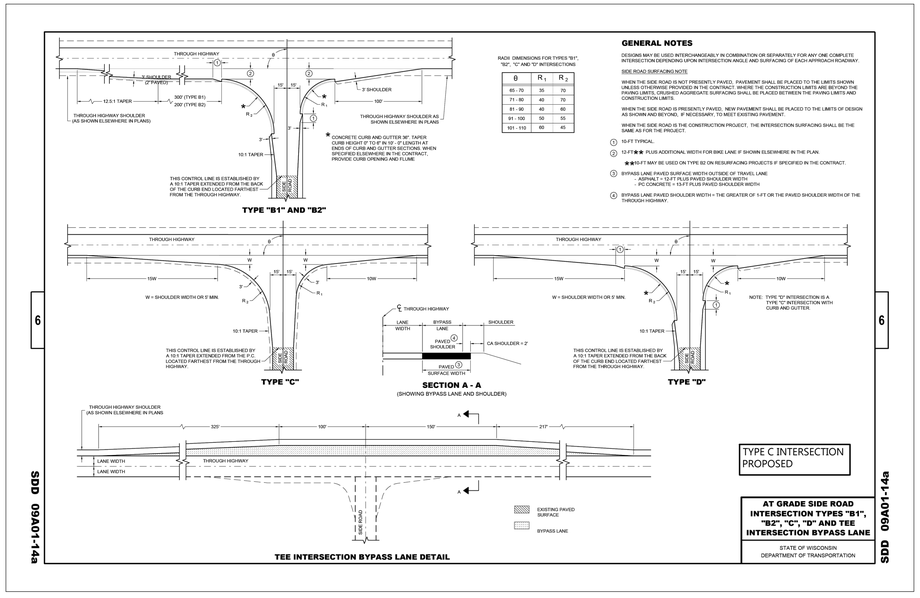
NO SCALE

CONSTRUCTION SEQUENCE

START CONSTRUCTION: 05-01-2026
END CONSTRUCTION: 10-30-2026

PHASE		TYPE OF ACTION
1.	PRE-CONSTRUCTION ACTION	1. CONTRACTOR TO CALL DIGGERS HOTLINE AT A MINIMUM OF 3 DAYS PRIOR TO CLEARING & GRUBBING/CONSTRUCTION.
		2. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF ALL UTILITIES WITHIN THE PROJECT AREA PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF DISCREPANCIES.
		3. PLACE ALL SILT FENCE AND INLET PROTECTION.
		4. CONSTRUCT TRACKING STONE ENTRANCES AND ANY TEMPORARY CONSTRUCTION ROADWAYS AS NEEDED.
		5. STABILIZE ALL TEMPORARY AND PERMANENT EROSION CONTROL AND STORMWATER CONVEYANCE SYSTEMS BEFORE TOPSOIL CAN BE STRIPPED.
2.	CONSTRUCTION ACTION	1. SITE DEMOLITION AS REQUIRED.
		2. STRIP AND RELOCATE TOPSOIL TO THE DESIGNATED TOPSOIL STOCKPILE. LOCATION BY OWNER. FINAL LOCATION BY CONTRACTOR. PROVIDE PERIMETER SILT FENCE UNTIL STABILIZED.
		3. BEGIN MASS EARTH WORK.
		4. CONSTRUCT ANY REMAINING STORMWATER CONVEYANCE SYSTEMS, AND INSTALL ALL OTHER UTILITIES ON SITE.
		5. PLACE GRAVEL FOR ALL PROPOSED PAVEMENT AREAS.
		6. TOPSOIL, SEED, AND MULCH ALL DISTURBED AREAS OUTSIDE THE PROPOSED PAVEMENT AREAS.
		7. PAVE AND POUR ALL ROADWAY AREAS/SIDEWALK/PATHS.
		8. TOPSOIL, SEED, AND MULCH ALL OTHER DISTURBED AREAS. PLACE EROSION MATTING AND RIP RAP.
3.	POST CONSTRUCTION ACTION	1. CONTRACTOR TO REMOVE TEMPORARY EROSION CONTROL MEASURES UPON SITE STABILIZATION.
		2. SEE THE POST CONSTRUCTION MAINTENANCE PLAN FOR PERMANENT STORMWATER MANAGEMENT SYSTEMS.

CONTRACTOR TO FOLLOW THE EROSION CONTROL SPECIFICATIONS FOR CONSTRUCTION EROSION CONTROL INSPECTION AND MAINTENANCE.
CONTRACTOR TO FOLLOW ALL LA CROSSE COUNTY SPECIFCATIONS FOR LAND DEVELOPMENT.



DETAILS

EXCEL
Always a Better Plan
100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

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FEATHERSTONE RISE
CTH F & STH 33 • LA CROSSE, WI 54601

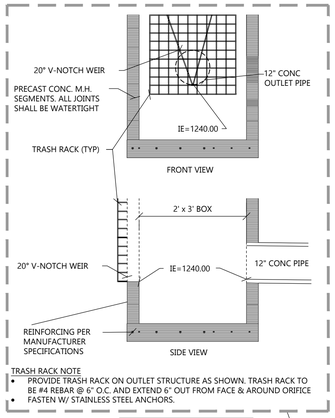
PROFESSIONAL SEAL

PRELIMINARY DATES
JAN. 9, 2026
FEB. 23, 2026

NOT FOR CONSTRUCTION

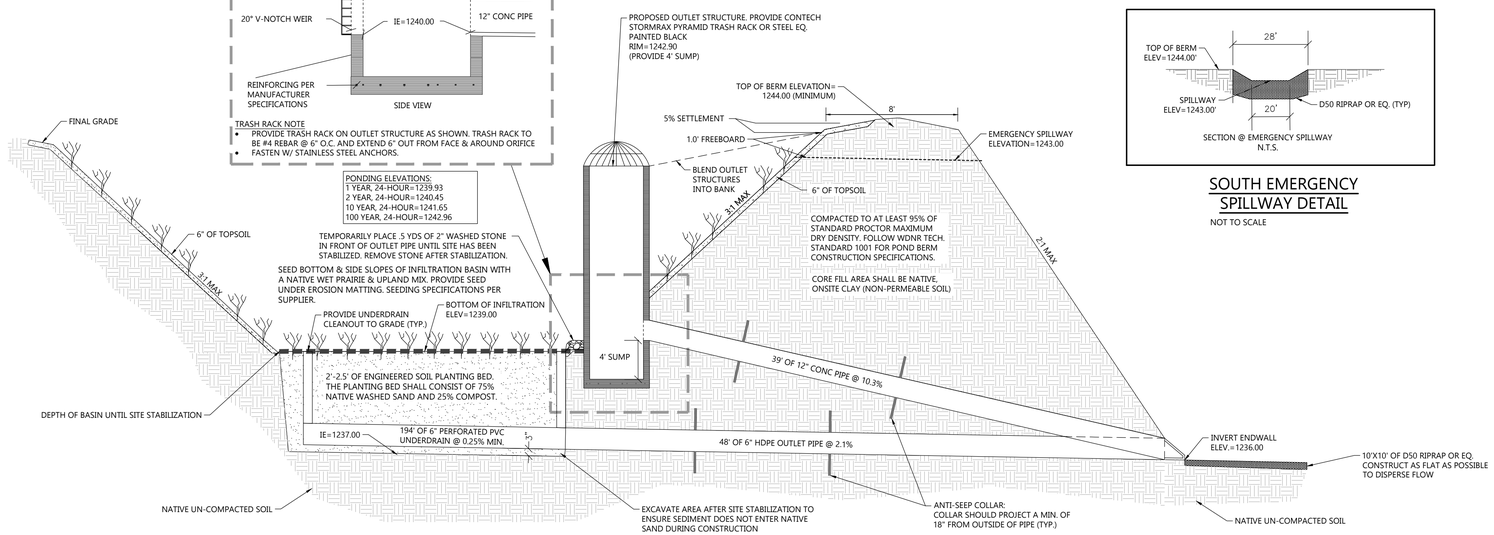
JOB NUMBER
250128900

SHEET NUMBER
C2.0



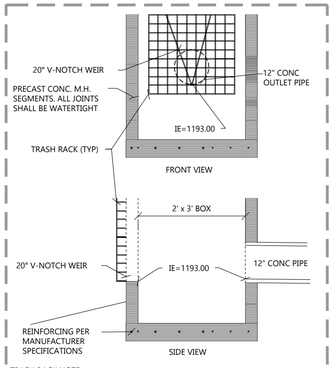
TRASH RACK NOTE
- PROVIDE TRASH RACK ON OUTLET STRUCTURE AS SHOWN. TRASH RACK TO BE #4 REBAR @ 6" O.C. AND EXTEND 6" OUT FROM FACE & AROUND ORIFICE
- FASTEN W/ STAINLESS STEEL ANCHORS.

NOTES:
- THE NATIVE SAND SHALL BE WASHED USDA SAND, 0.02 TO 0.04 INCHES IN DIAMETER. THE COMPOST COMPONENT SHALL MEET THE REQUIREMENTS OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES SPECIFICATION S100. ENGINEERED SOIL MIX SHALL HAVE A PH BETWEEN 5.5 AND 6.5.
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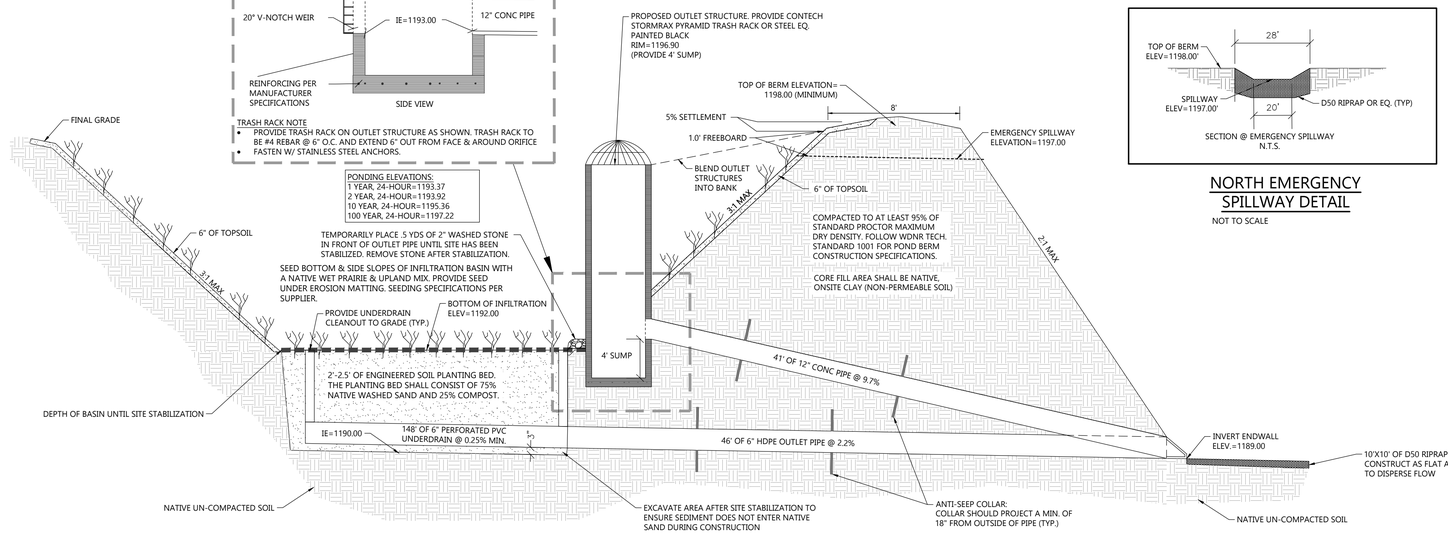
PROPOSED BIOFILTRATION BASIN 1A
NOT TO SCALE

SOUTH EMERGENCY SPILLWAY DETAIL
NOT TO SCALE



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PROPOSED BIOFILTRATION BASIN 3A
NOT TO SCALE

NORTH EMERGENCY SPILLWAY DETAIL
NOT TO SCALE

BIOFILTRATION DETAILS

EXCEL
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100 Camelot Drive
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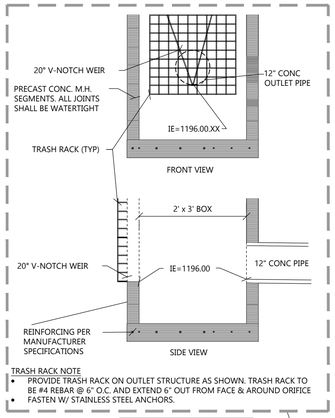
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PRELIMINARY DATES
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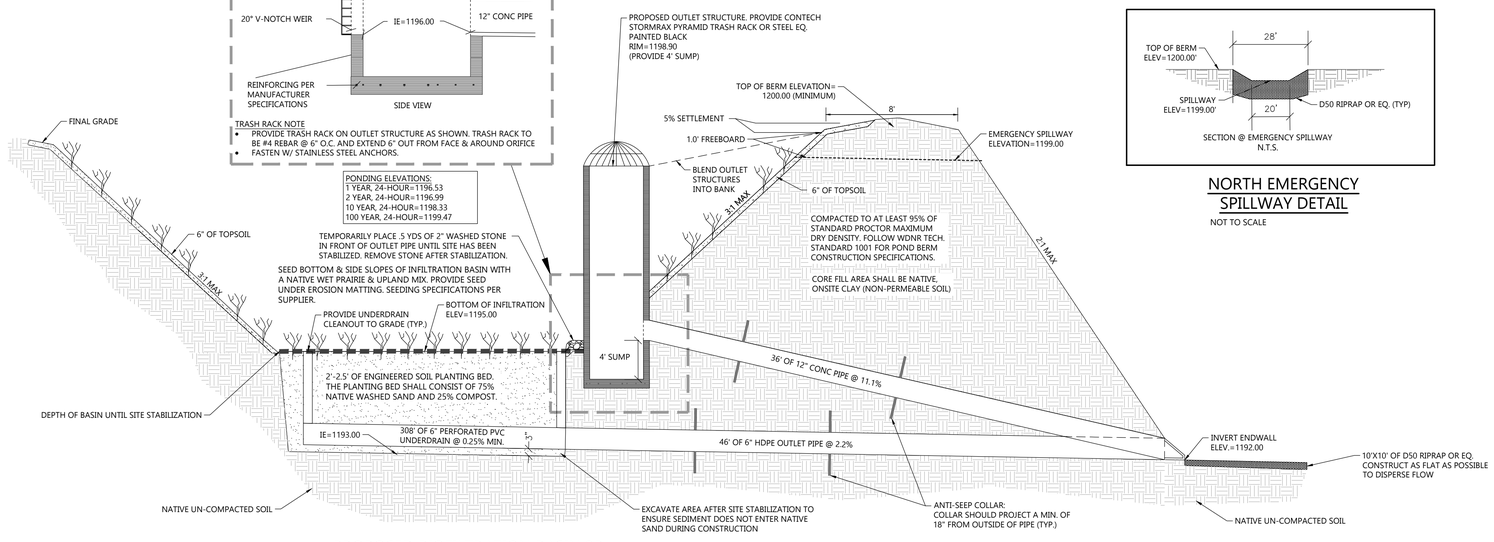
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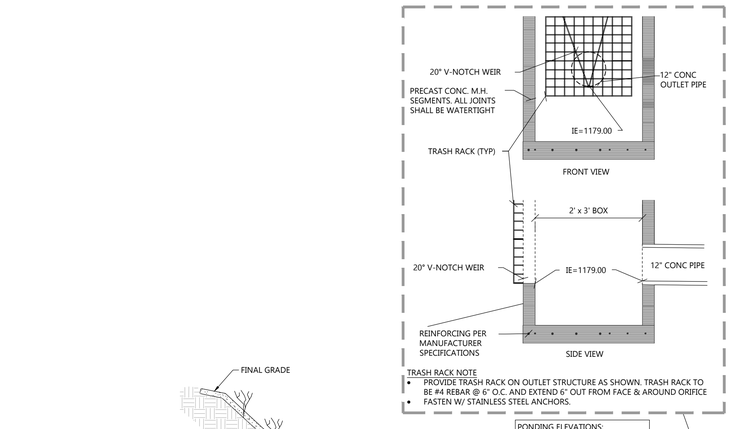
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- CONTRACTOR SHALL PROVIDE EROSION MATTING AS REQUIRED PER LA CROSSE COUNTY SPECIFICATIONS.
- CONTRACTOR TO CONTACT EXCEL ENGINEERING TO COMPLETE AN AS-BUILT SURVEY FOLLOWING COMPLETION OF THE CONSTRUCTION OF THE STORMWATER BASIN. CONTRACTOR SHALL GIVE EXCEL ENGINEERING A MINIMUM OF A 3 DAY NOTICE. PLEASE NOTE THAT THE HORIZONTAL TOLERANCE FOR POND CONSTRUCTION IS 0.50' AND THE VERTICAL TOLERANCE FOR POND, OUTLET, AND SPILLWAY CONSTRUCTION IS 0.10'. ANY ADDITIONAL WORK REQUIRED TO SURVEY A POND FULL OF WATER OR FOR SURVEYING FOLLOWING REWORK SHALL BE AT THE CONTRACTOR'S EXPENSE. ENSURE SEDIMENT IS REMOVED AND STORM WATER MANAGEMENT BASINS ARE AT FINAL COMPLETION PRIOR TO SURVEY. A PRE-ASBUILT CHECK CAN BE PROVIDED AT THE CONTRACTOR'S EXPENSE.



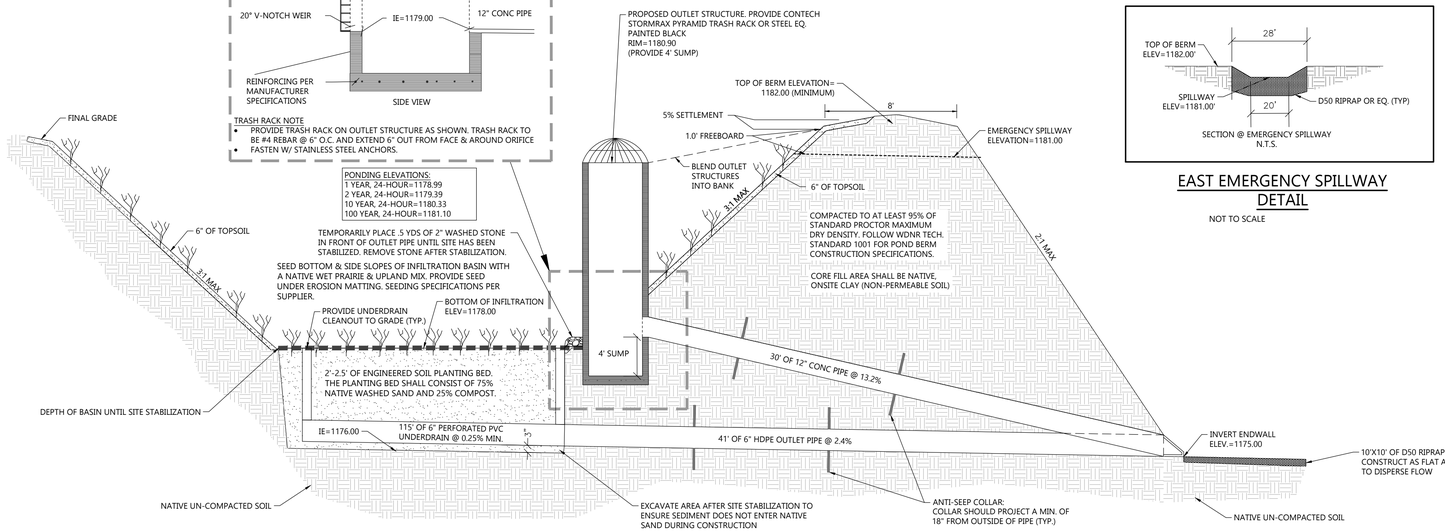
PROPOSED BIOFILTRATION BASIN 3B
NOT TO SCALE

NORTH EMERGENCY SPILLWAY DETAIL
NOT TO SCALE



TRASH RACK NOTE
- PROVIDE TRASH RACK ON OUTLET STRUCTURE AS SHOWN. TRASH RACK TO BE #4 REBAR @ 6" O.C. AND EXTEND 6" OUT FROM FACE & AROUND ORIFICE
- FASTEN W/ STAINLESS STEEL ANCHORS.

NOTES:
- THE NATIVE SAND SHALL BE WASHED USDA SAND, 0.02 TO 0.04 INCHES IN DIAMETER. THE COMPOST COMPONENT SHALL MEET THE REQUIREMENTS OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES SPECIFICATION S100. ENGINEERED SOIL MIX SHALL HAVE A PH BETWEEN 5.5 AND 6.5.
- AT END OF SITE CONSTRUCTION, BASIN DEPTH SHALL BE CHECKED FOR SEDIMENTATION AND DREDGED, IF NECESSARY, TO THE DESIGN DEPTH ORIGINALLY PROPOSED.
- CONTRACTOR SHALL PROVIDE EROSION MATTING AS REQUIRED PER LA CROSSE COUNTY SPECIFICATIONS.
- CONTRACTOR TO CONTACT EXCEL ENGINEERING TO COMPLETE AN AS-BUILT SURVEY FOLLOWING COMPLETION OF THE CONSTRUCTION OF THE STORMWATER BASIN. CONTRACTOR SHALL GIVE EXCEL ENGINEERING A MINIMUM OF A 3 DAY NOTICE. PLEASE NOTE THAT THE HORIZONTAL TOLERANCE FOR POND CONSTRUCTION IS 0.50' AND THE VERTICAL TOLERANCE FOR POND, OUTLET, AND SPILLWAY CONSTRUCTION IS 0.10'. ANY ADDITIONAL WORK REQUIRED TO SURVEY A POND FULL OF WATER OR FOR SURVEYING FOLLOWING REWORK SHALL BE AT THE CONTRACTOR'S EXPENSE. ENSURE SEDIMENT IS REMOVED AND STORM WATER MANAGEMENT BASINS ARE AT FINAL COMPLETION PRIOR TO SURVEY. A PRE-ASBUILT CHECK CAN BE PROVIDED AT THE CONTRACTOR'S EXPENSE.



PROPOSED BIOFILTRATION BASIN 3C
NOT TO SCALE

EAST EMERGENCY SPILLWAY DETAIL
NOT TO SCALE

BIOFILTRATION DETAILS

EXCEL
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100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION
FEATHERSTONE RISE
CTH F & STH 33 • LA CROSSE, WI 54601

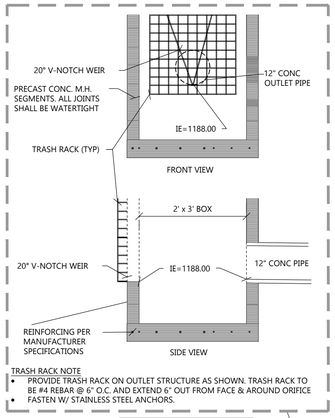
PROFESSIONAL SEAL

PRELIMINARY DATES
JAN. 9, 2026
FEB. 23, 2026

NOT FOR CONSTRUCTION

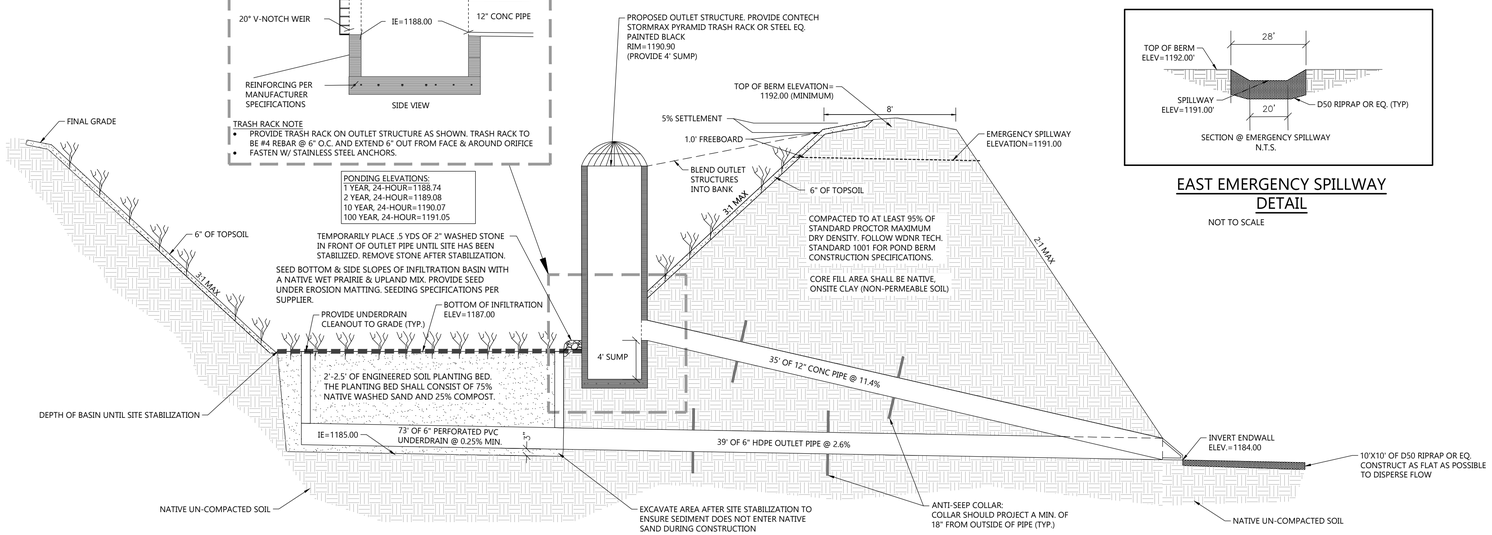
JOB NUMBER
250128900

SHEET NUMBER
C2.2



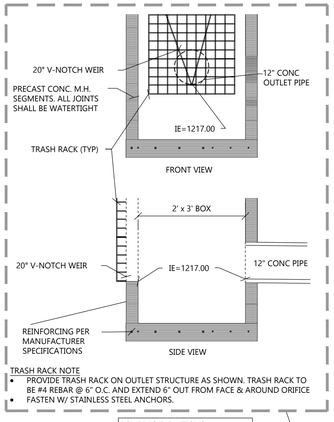
TRASH RACK NOTE
- PROVIDE TRASH RACK ON OUTLET STRUCTURE AS SHOWN. TRASH RACK TO BE #4 REBAR @ 6" O.C. AND EXTEND 6" OUT FROM FACE & AROUND ORIFICE
- FASTEN W/ STAINLESS STEEL ANCHORS.

NOTES:
- THE NATIVE SAND SHALL BE WASHED USDA SAND, 0.02 TO 0.04 INCHES IN DIAMETER. THE COMPOST COMPONENT SHALL MEET THE REQUIREMENTS OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES SPECIFICATION S100. ENGINEERED SOIL MIX SHALL HAVE A PH BETWEEN 5.5 AND 6.5.
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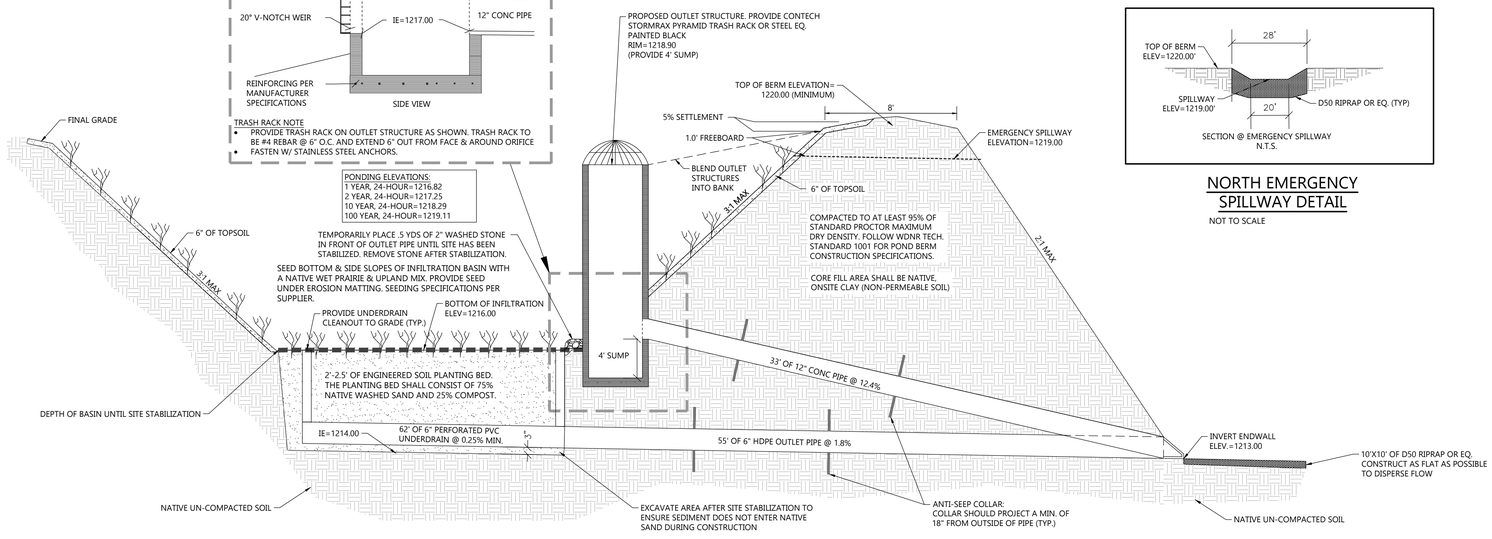
PROPOSED BIOFILTRATION BASIN 3D
NOT TO SCALE

EAST EMERGENCY SPILLWAY DETAIL
NOT TO SCALE



TRASH RACK NOTE
- PROVIDE TRASH RACK ON OUTLET STRUCTURE AS SHOWN. TRASH RACK TO BE #4 REBAR @ 6" O.C. AND EXTEND 6" OUT FROM FACE & AROUND ORIFICE
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PROPOSED BIOFILTRATION BASIN 3E
NOT TO SCALE

NORTH EMERGENCY SPILLWAY DETAIL
NOT TO SCALE

BIOFILTRATION DETAILS

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excelengineer.com

PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION
FEATHERSTONE RISE
CTH F & STH 33 • LA CROSSE, WI 54601

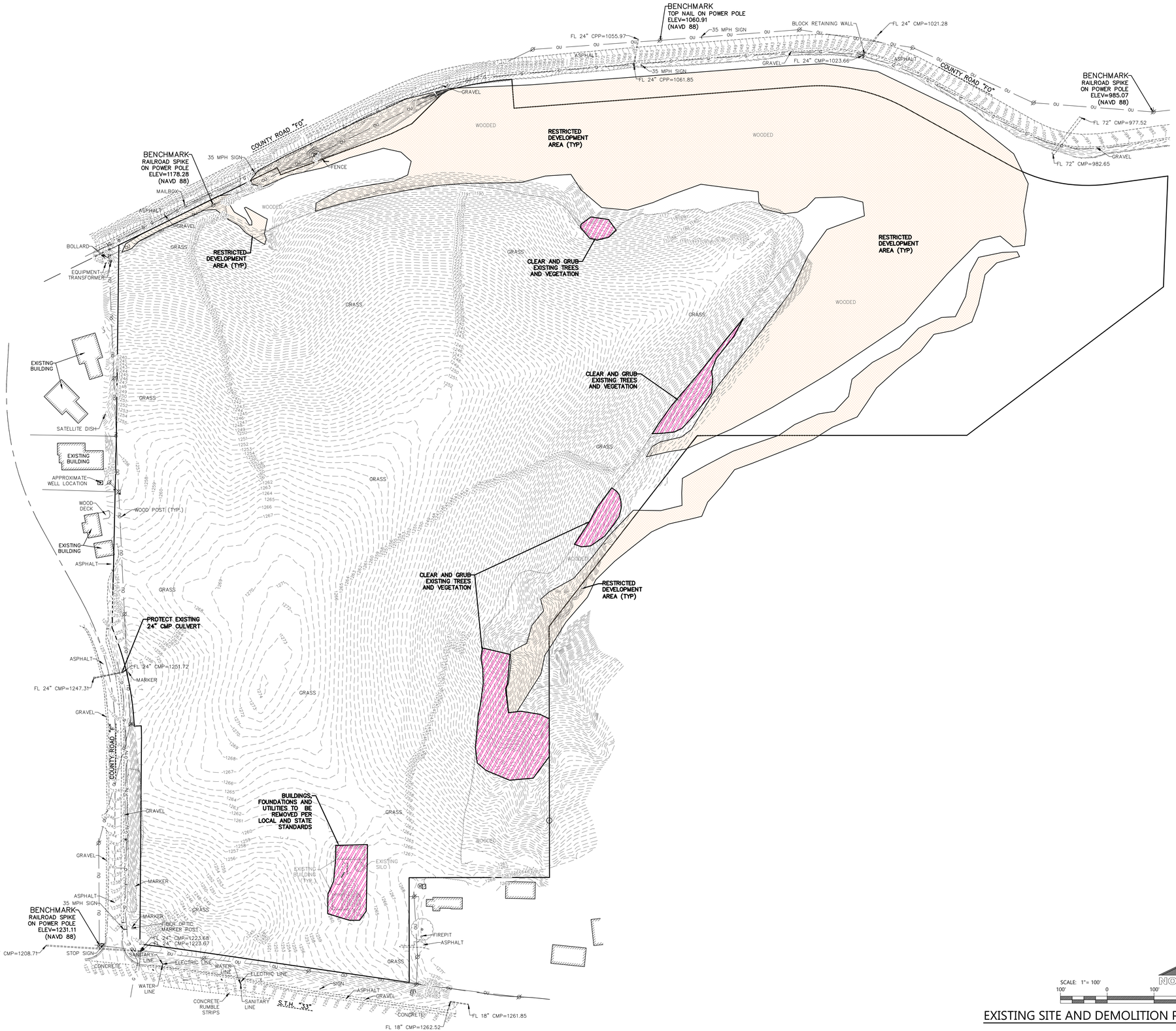
PROFESSIONAL SEAL

PRELIMINARY DATES
JAN. 9, 2026
FEB. 23, 2026

NOT FOR CONSTRUCTION

JOB NUMBER
250128900

SHEET NUMBER
C2.3



SCALE: 1"= 100'
100' 0 100' 200'
NORTH

EXISTING SITE AND DEMOLITION PLAN

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PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION
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PROFESSIONAL SEAL

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JOB NUMBER
250128900

SHEET NUMBER
C3.0

GENERAL GRADING AND EC NOTES:

- ALL GRADING AND EROSION CONTROL MEASURES SHALL FOLLOW THE LA CROSSE COUNTY SPECIFICATIONS.
- SEE SHEET C2.0 FOR CONSTRUCTION SCHEDULE, SEQUENCING OF EROSION CONTROL PRACTICES, AND PROVISIONS FOR MAINTENANCE FOR THE EROSION CONTROL.
- SEEDED LAWN MAINTENANCE: CONTRACTOR TO PROVIDE MAINTENANCE OF ALL LANDSCAPING FOR A PERIOD OF 90 DAYS FROM THE DATE OF INSTALLATION. AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, UNIFORM, CLOSE STAND OF GRASS SHOULD BE ESTABLISHED FREE OF WEEDS AND SURFACE IRREGULARITIES. LAWN COVERAGE SHOULD EXCEED 90% AND BARE SPOTS SHOULD NOT EXCEED 5"X5". CONTRACTOR SHOULD REESTABLISH LAWNS THAT DO NOT COMPLY WITH THESE REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL LAWNS ARE SATISFACTORY.
- EROSION MATTING: CONTRACTOR TO PROVIDE EROSION CONTROL MATTING (NORTH AMERICAN GREEN S150) OR EQUIVALENT ON ALL SLOPES THAT ARE 4:1 AND GREATER OUTSIDE OF STORMWATER CONVEYANCE SWALES AND STORMWATER MANAGEMENT BASIN BOTTOMS.
- EROSION MATTING: CONTRACTOR TO PROVIDE EROSION MATTING (NORTH AMERICAN GREEN C125) OR EQUIVALENT IN ALL SWALE BOTTOMS AND SIDE SLOPES AS WELL AS STORMWATER MANAGEMENT BASIN BOTTOMS AND SIDE SLOPES AS REQUIRED.



SCALE: 1" = 100'
100' 0 100' 200'
NORTH

OVERALL MASTER GRADING AND EROSION CONTROL PLAN

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PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION
FEATHERSTONE RISE
CTH F & STH 33 • LA CROSSE, WI 54601

PROFESSIONAL SEAL

PRELIMINARY DATES
JAN. 9, 2026
FEB. 23, 2026

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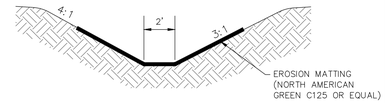
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SHEET NUMBER
C4.0

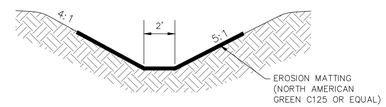


LEGEND:

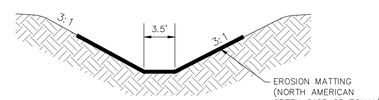
	EROSION MATTING (NAG S150) OVER SEEDED LAWN (> OR = 4:1 SLOPES OUTSIDE OF SWM)
	EROSION MATTING (NAG C125) OVER SEEDED LAWN - 6.67' WIDTH TYP. SWALE BOTTOMS & SWM



SECTION B–B
TYPICAL DITCH X–SECTION
NO SCALE



SECTION C–C
TYPICAL DITCH X–SECTION
NO SCALE



SECTION D–D
TYPICAL DITCH X–SECTION
NO SCALE

NOTES:

- FINAL HOME AND SEPTIC LOCATIONS TO BE DESIGNED BY OTHERS. GRADING CONTRACTOR SHALL NOT WORK OUTSIDE OF DISTURBANCE LIMITS TO PROTECT ALL POSSIBLE SEPTIC LOCATIONS.

SCALE: 1"= 40'
40' 0 40' 80'
NORTH

SOUTH MASTER GRADING AND EROSION CONTROL PLAN

EXCEL
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100 Camelot Drive
Fond du Lac, WI 54935
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PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION
FEATHERSTONE RISE
CTH F & STH 33 • LA CROSSE, WI 54601

PROFESSIONAL SEAL

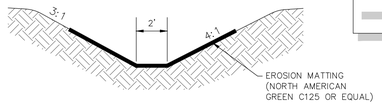
PRELIMINARY DATES
JAN. 9, 2026
FEB. 23, 2026

NOT FOR CONSTRUCTION

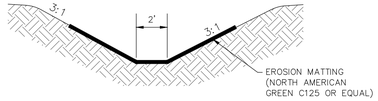
JOB NUMBER
250128900

SHEET NUMBER
C4.1

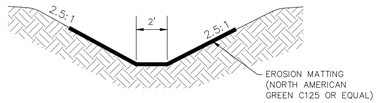




SECTION A–A
TYPICAL DITCH X–SECTION
NO SCALE



SECTION J–J
TYPICAL DITCH X–SECTION
NO SCALE



SECTION K–K
TYPICAL DITCH X–SECTION
NO SCALE

LEGEND:

	EROSION MATTING (NAG S150) OVER SEEDED LAWN (> OR = 4:1 SLOPES OUTSIDE OF SWM)
	EROSION MATTING (NAG C125) OVER SEEDED LAWN - 6.67 WIDTH TYP. SWALE BOTTOMS & SWM

NOTES:

- FINAL HOME AND SEPTIC LOCATIONS TO BE DESIGNED BY OTHERS. GRADING CONTRACTOR SHALL NOT WORK OUTSIDE OF DISTURBANCE LIMITS TO PROTECT ALL POSSIBLE SEPTIC LOCATIONS.

SCALE: 1"= 40'
40' 0 40' 80'
NORTH

NORTHWEST MASTER GRADING AND EROSION CONTROL PLAN

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PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION
FEATHERSTONE RISE
CTH F & STH 33 • LA CROSSE, WI 54601

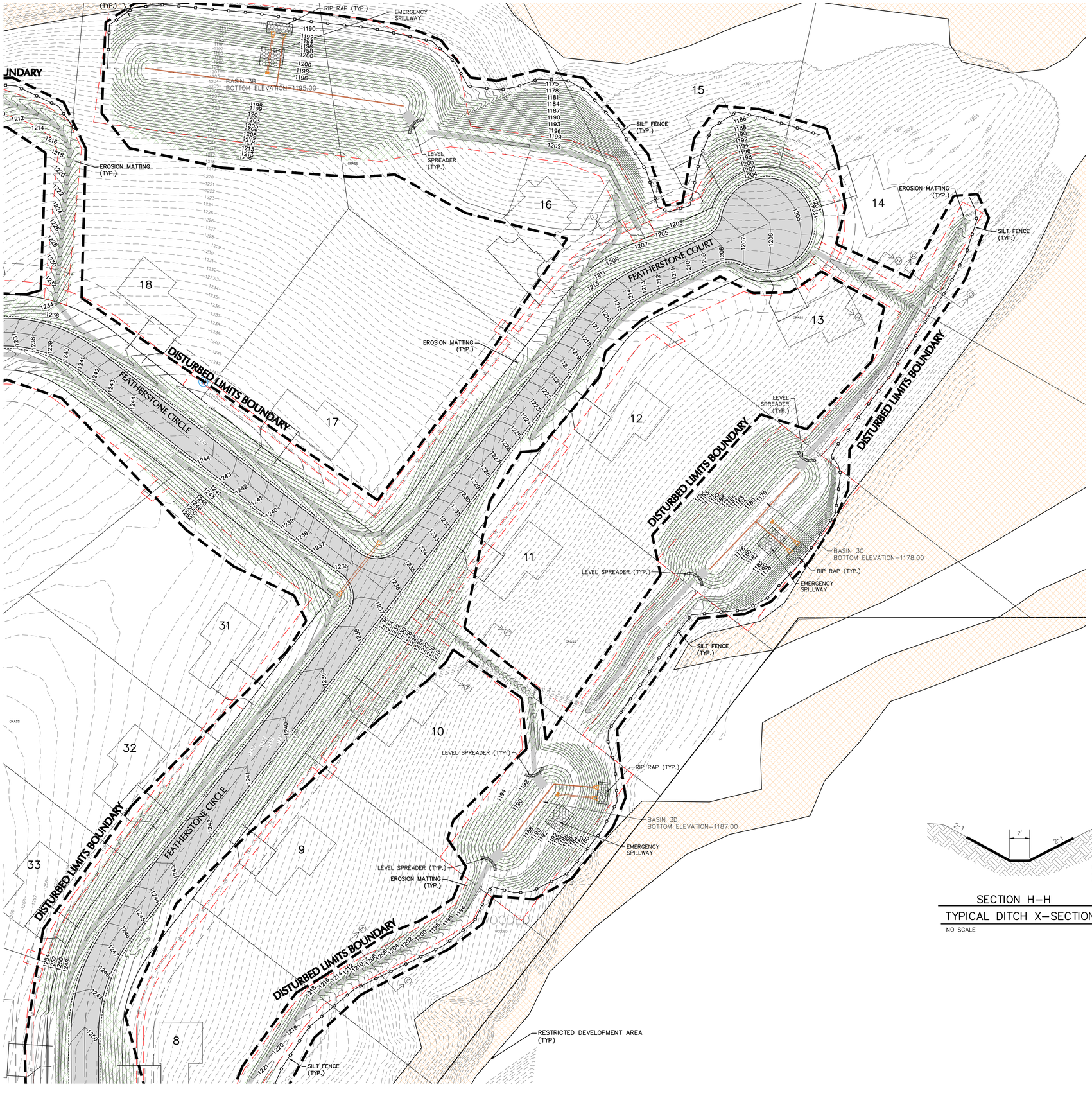
PROFESSIONAL SEAL

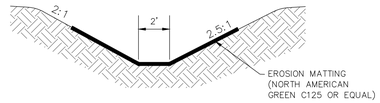
PRELIMINARY DATES
JAN. 9, 2026
FEB. 23, 2026

NOT FOR CONSTRUCTION

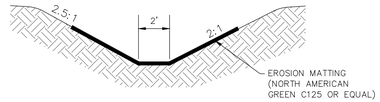
JOB NUMBER
250128900

SHEET NUMBER
C4.2

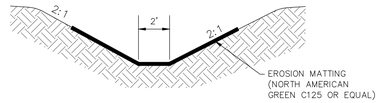




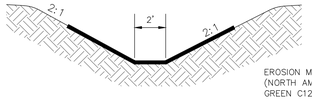
SECTION E–E
TYPICAL DITCH X–SECTION
NO SCALE



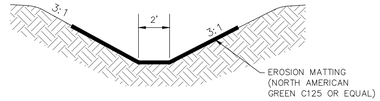
SECTION F–F
TYPICAL DITCH X–SECTION
NO SCALE



SECTION G–G
TYPICAL DITCH X–SECTION
NO SCALE



SECTION H–H
TYPICAL DITCH X–SECTION
NO SCALE



SECTION I–I
TYPICAL DITCH X–SECTION
NO SCALE

LEGEND:

	EROSION MATTING (NAG S150) OVER SEEDED LAWN (> OR = 4:1 SLOPES OUTSIDE OF SWM)
	EROSION MATTING (NAG C125) OVER SEEDED LAWN - 6.67' WIDTH TYP. SWALE BOTTOMS & SWM

NOTES:

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SCALE: 1"= 40'
40' 0 40' 80'
NORTH

NORTHEAST MASTER GRADING AND EROSION CONTROL PLAN

EXCEL
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Fond du Lac, WI 54935
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excelengineer.com

PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION
FEATHERSTONE RISE
CTH F & STH 33 • LA CROSSE, WI 54601

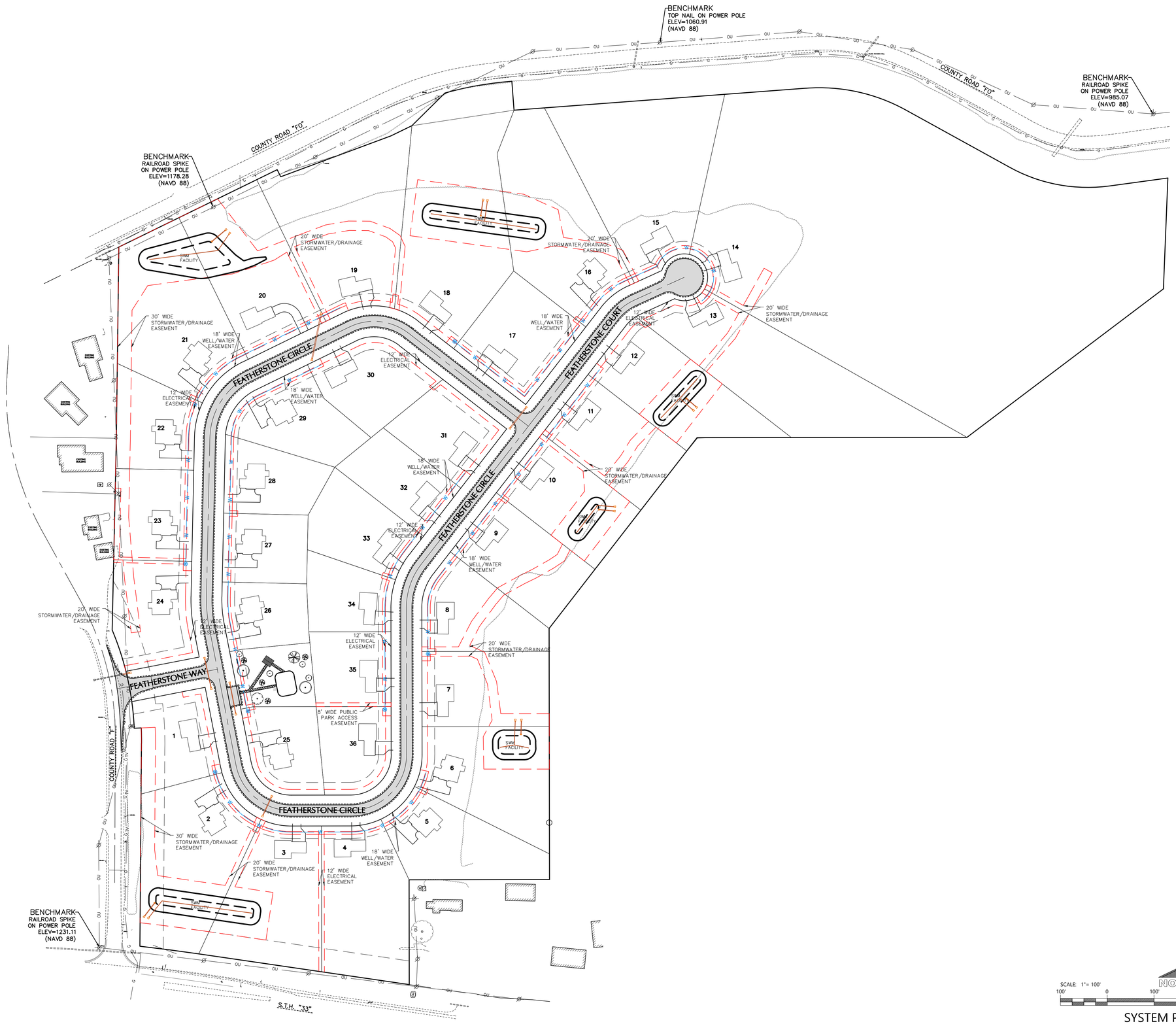
PROFESSIONAL SEAL

PRELIMINARY DATES
JAN. 9, 2026
FEB. 23, 2026

NOT FOR CONSTRUCTION

JOB NUMBER
250128900

SHEET NUMBER
C4.3



SCALE: 1" = 100'
100' 0 100' 200'
NORTH

SYSTEM PLAN

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100 Camelot Drive
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excelengineer.com

PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION
FEATHERSTONE RISE
CTH F & STH 33 • LA CROSSE, WI 54601

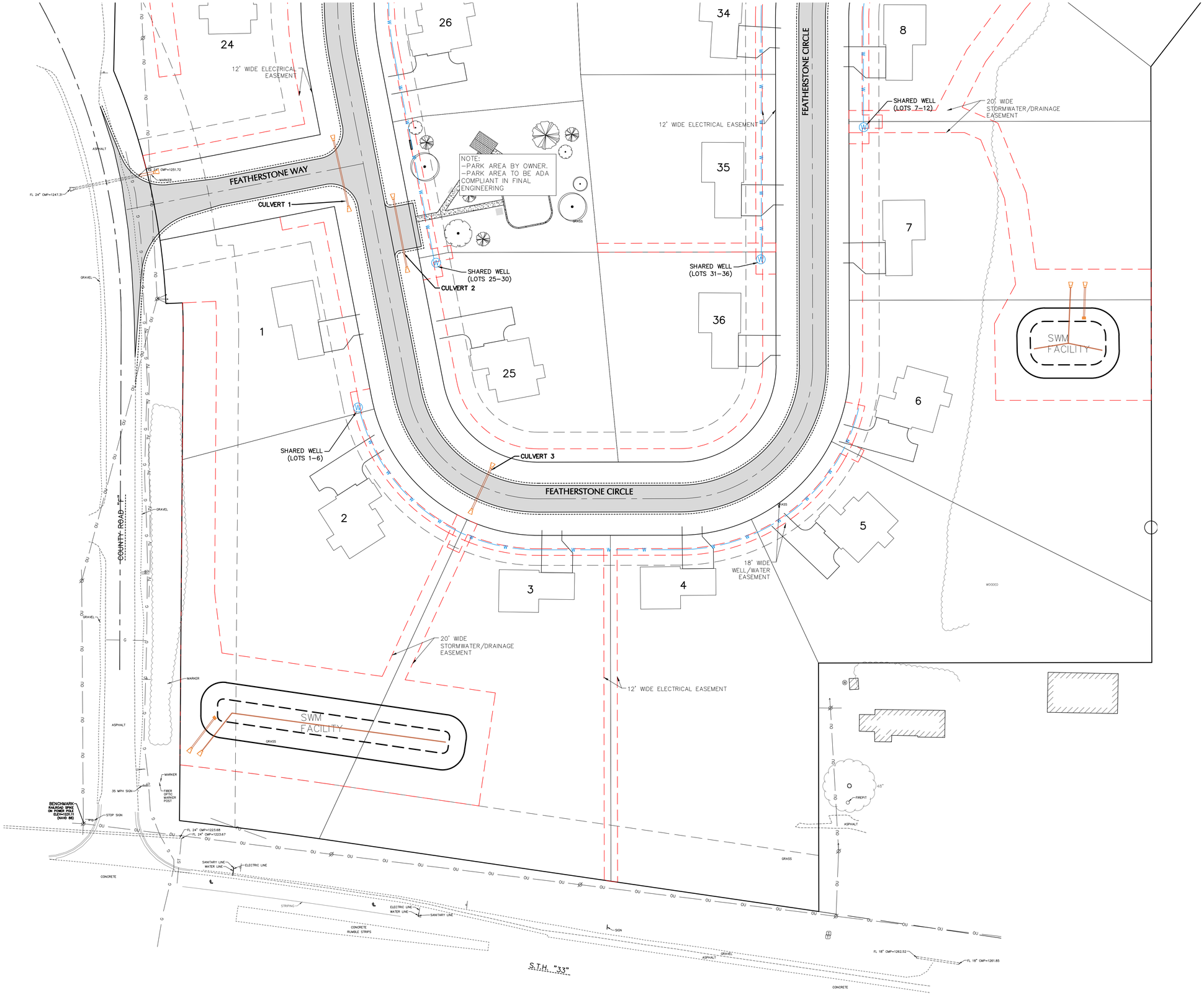
PROFESSIONAL SEAL

PRELIMINARY DATES
JAN. 9, 2026
FEB. 23, 2026

NOT FOR CONSTRUCTION

JOB NUMBER
250128900

SHEET NUMBER
C5.0



SCALE: 1"= 40'

NORTH

40' 0 40' 80'

SOUTH SYSTEM PLAN

EXCEL

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PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION

FEATHERSTONE RISE

CTH F & STH 33 • LA CROSSE, WI 54601

PROFESSIONAL SEAL

PRELIMINARY DATES

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FEB. 23, 2026

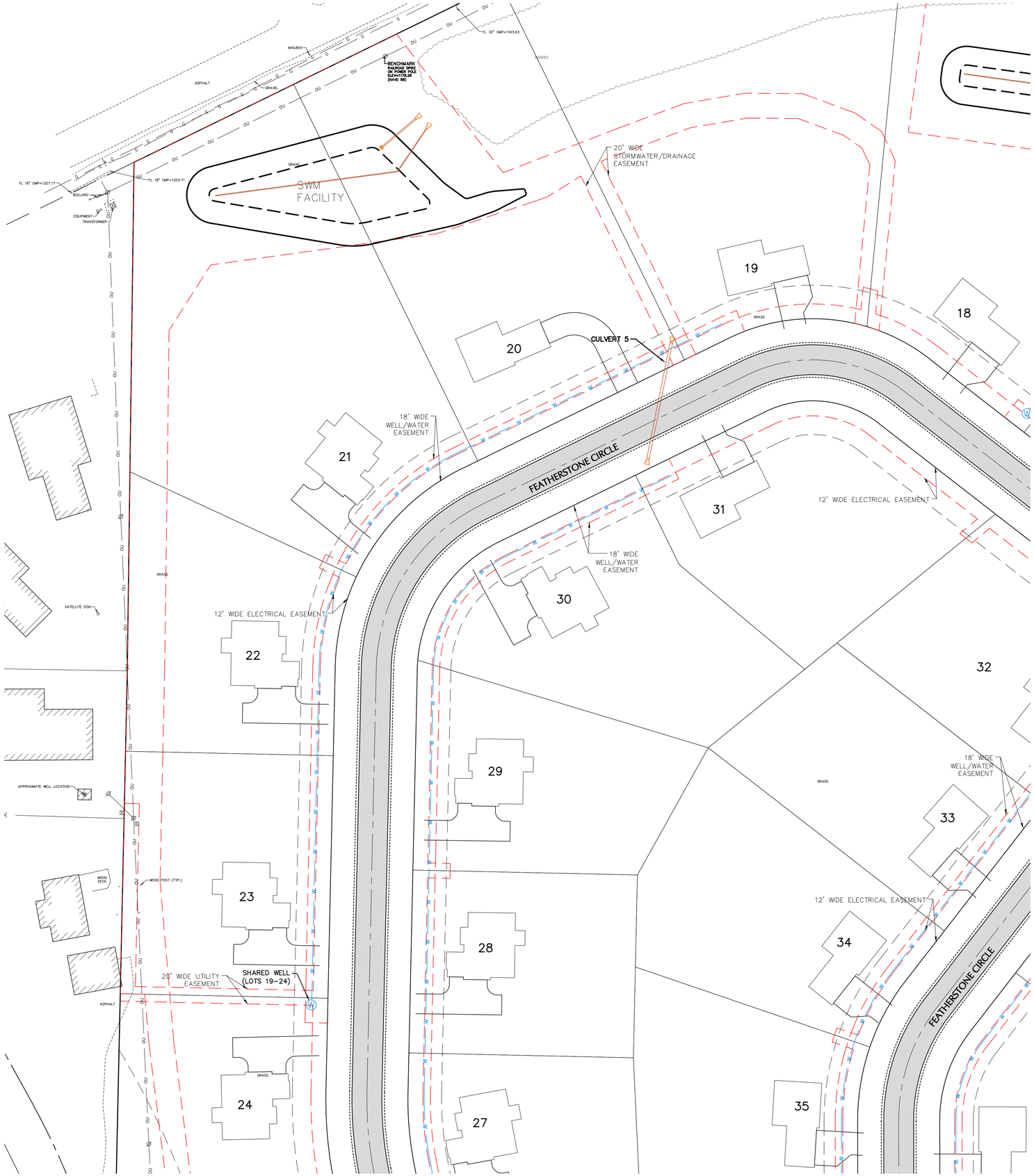
NOT FOR CONSTRUCTION

JOB NUMBER

250128900

SHEET NUMBER

C5.1



SCALE: 1"= 40'
40' 0 40' 80'
NORTH

NORTHWEST SYSTEM PLAN

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PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION

FEATHERSTONE RISE

CTH F & STH 33 • LA CROSSE, WI 54601

PROFESSIONAL SEAL

PRELIMINARY DATES

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FEB. 23, 2026

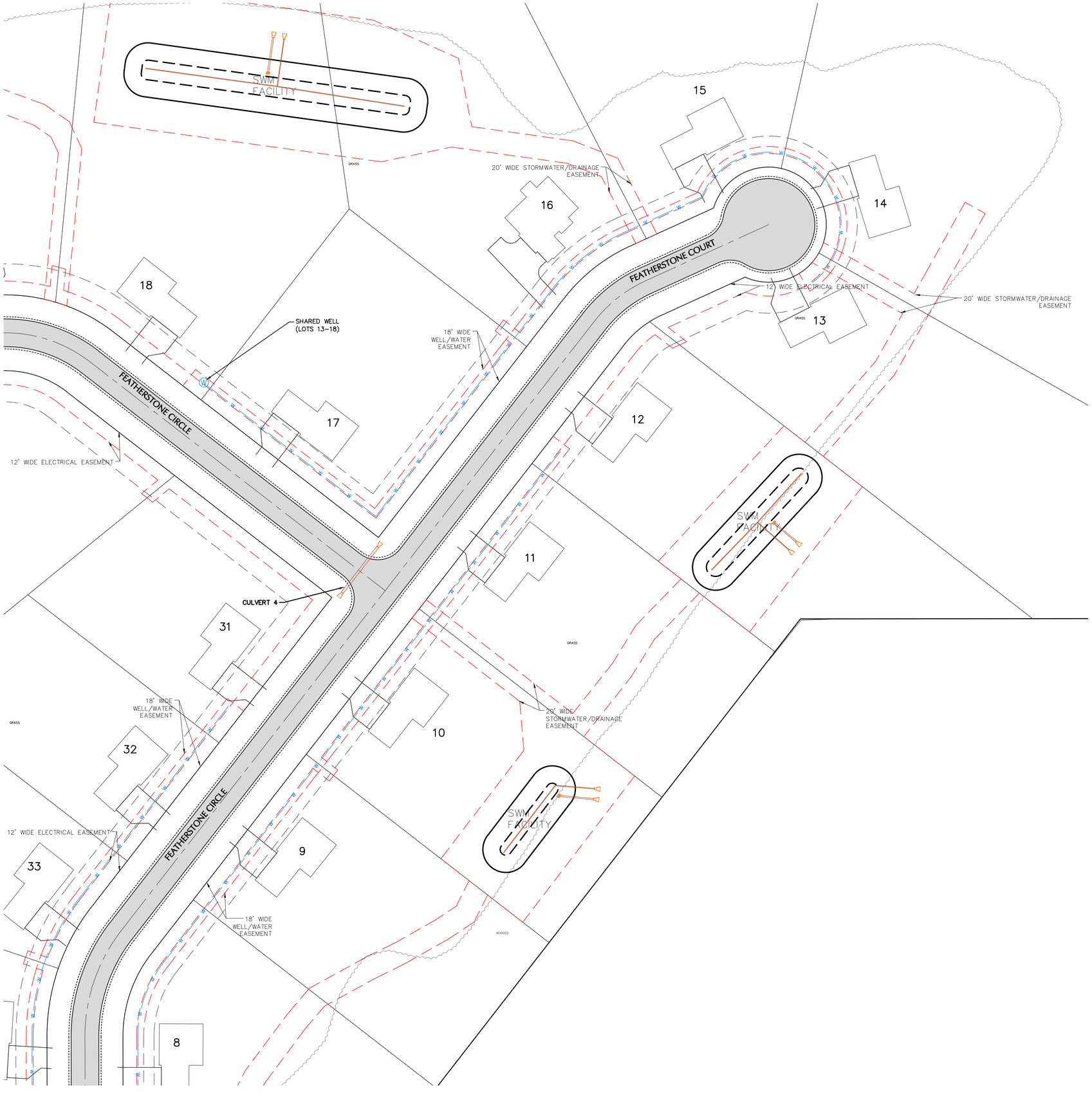
NOT FOR CONSTRUCTION

JOB NUMBER

250128900

SHEET NUMBER

C5.2



SCALE: 1" = 40'
40' 0 40' 80'
NORTH

NORTHEAST SYSTEM PLAN

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PROJECT INFORMATION

PROPOSED RESIDENTIAL SUBDIVISION
FEATHERSTONE RISE
CTH F & STH 33 • LA CROSSE, WI 54601

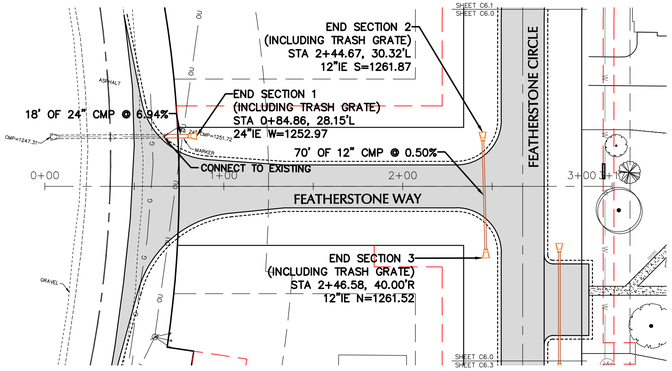
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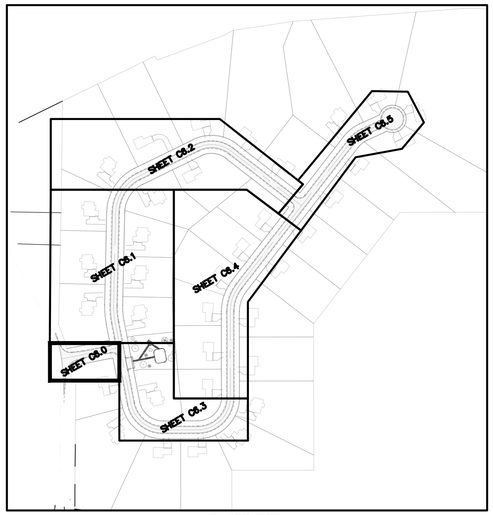
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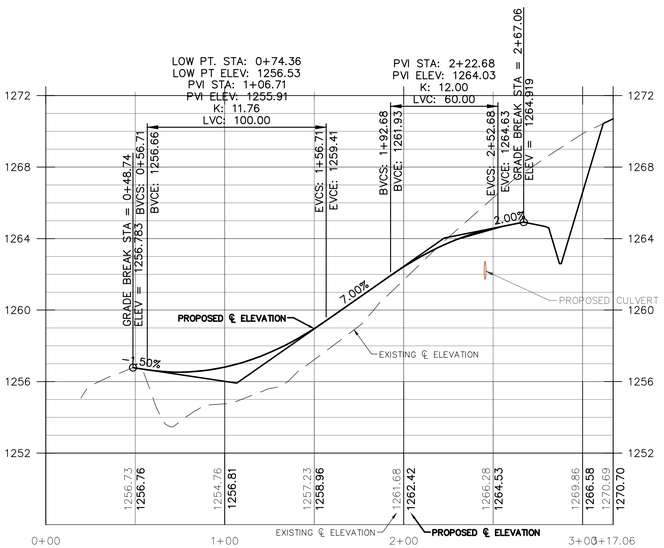
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SHEET NUMBER
C5.3





SHEET KEY



FEATHERSTONE WAY - ROAD AND STORM

SCALE: 1"= 4' VERTICAL
SCALE: 1"= 40' HORIZONTAL
40' 0 40' 80'
NORTH

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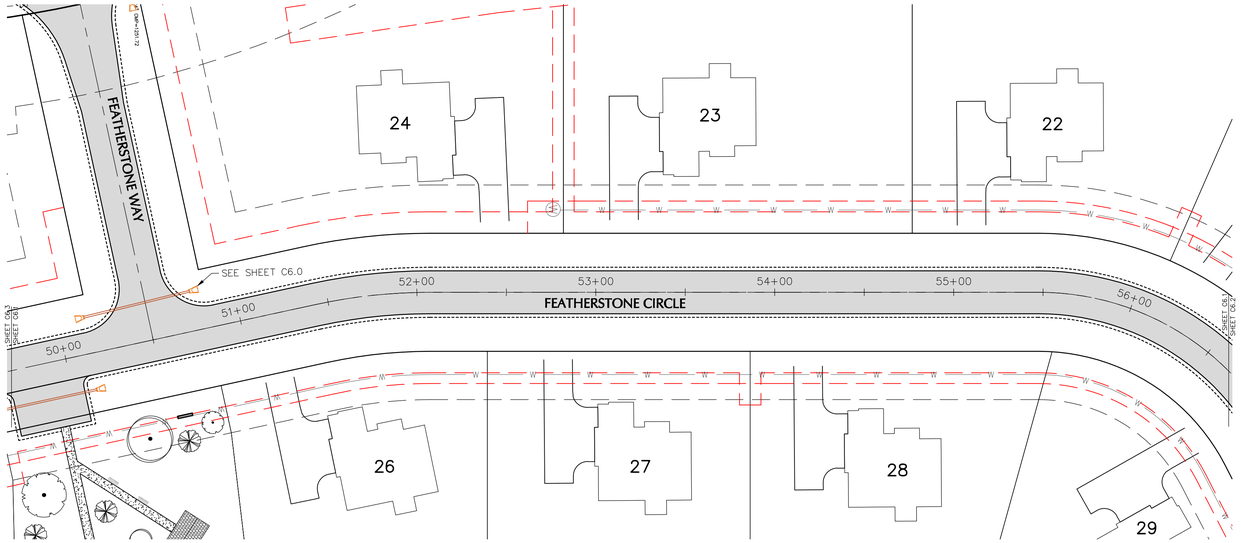
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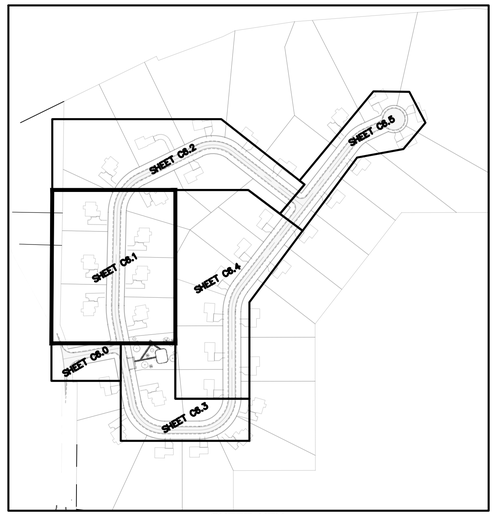
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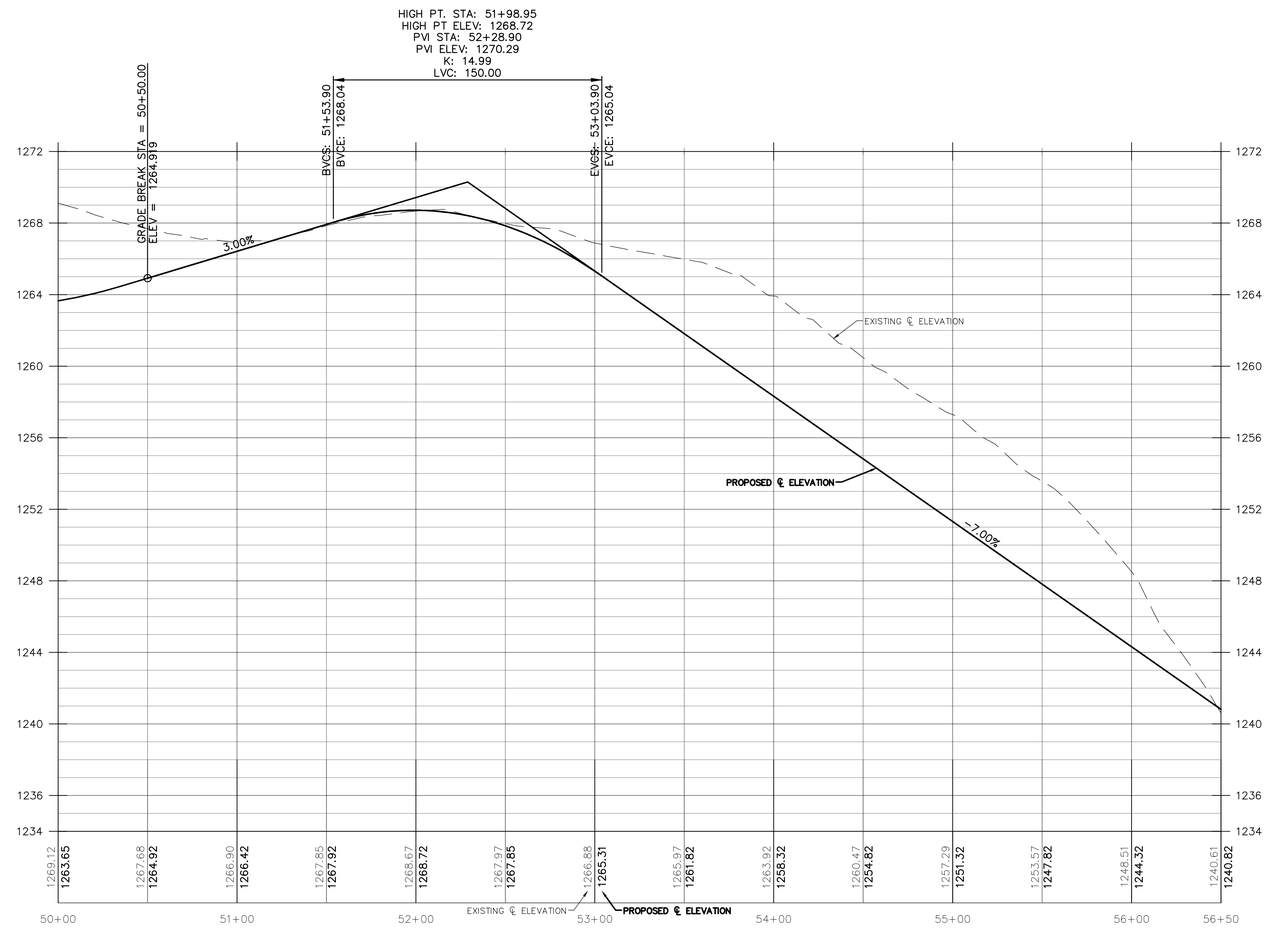
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SHEET KEY



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NORTH

FEATHERSTONE CIRCLE - ROAD AND STORM

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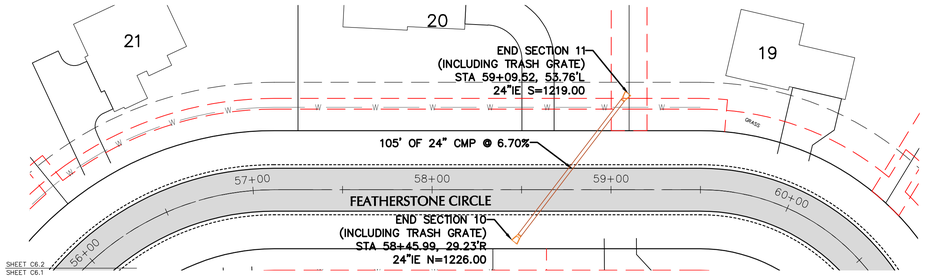
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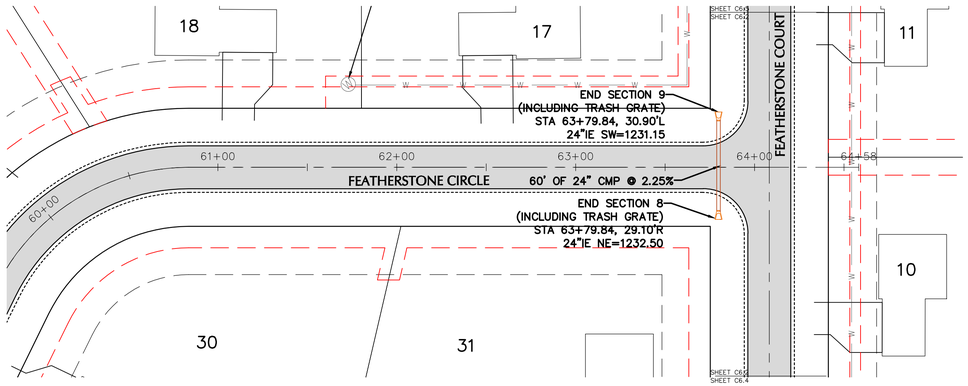
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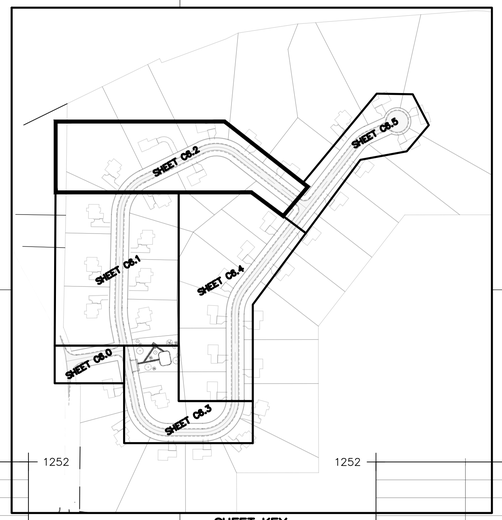
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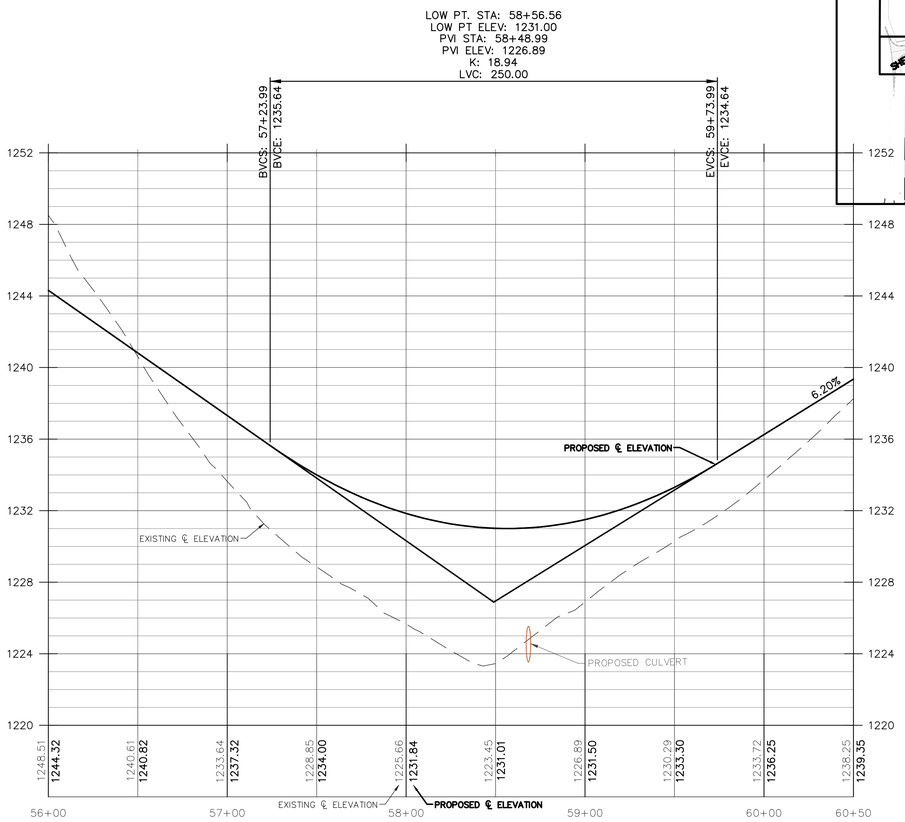


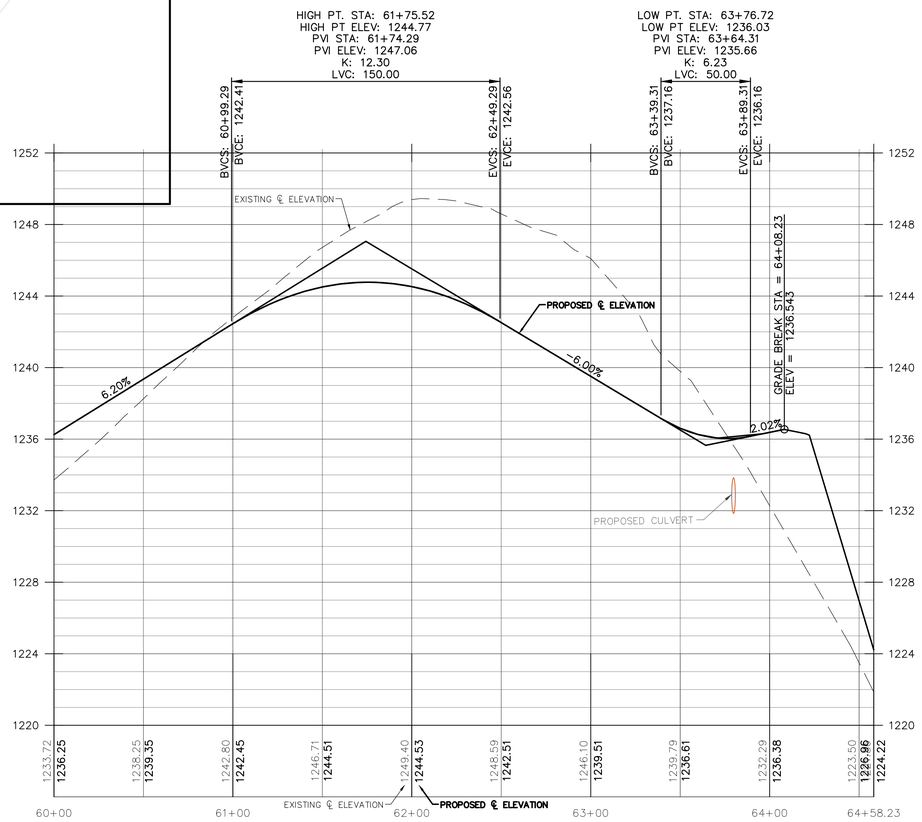
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NORTH



SHEET KEY





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SCALE: 1"= 40' HORIZONTAL
40' 0 40' 80'

FEATHERSTONE CIRCLE - ROAD AND STORM

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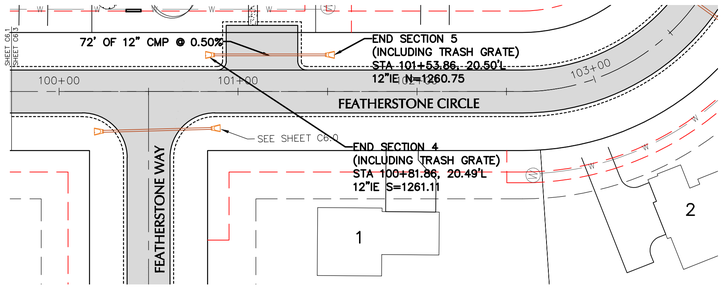
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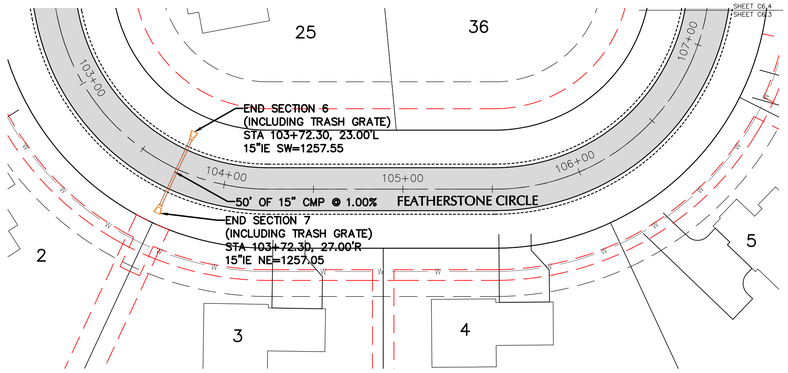
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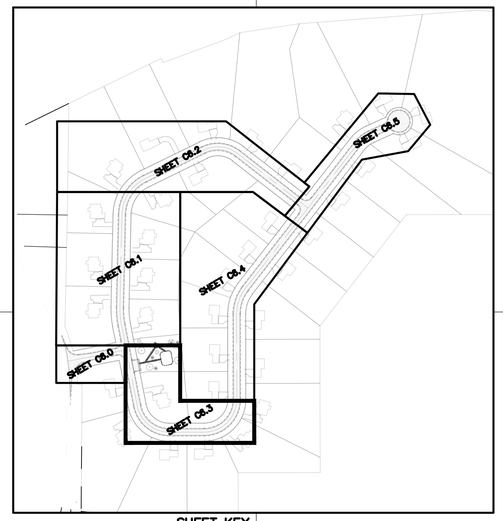
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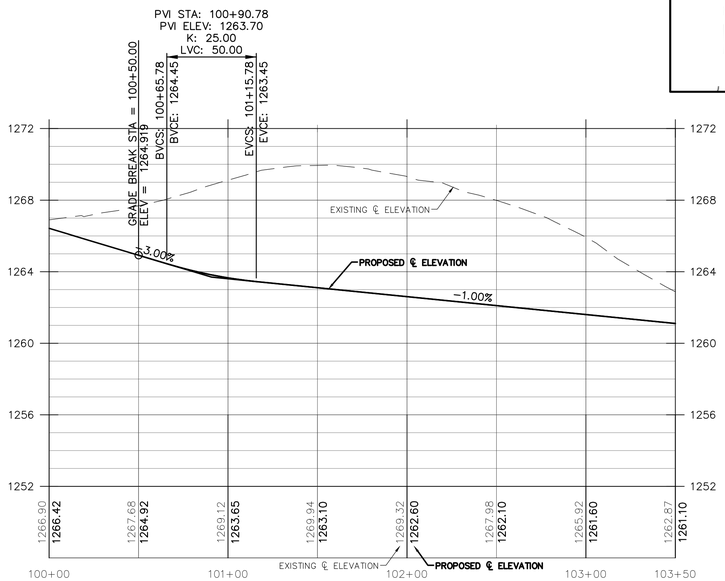


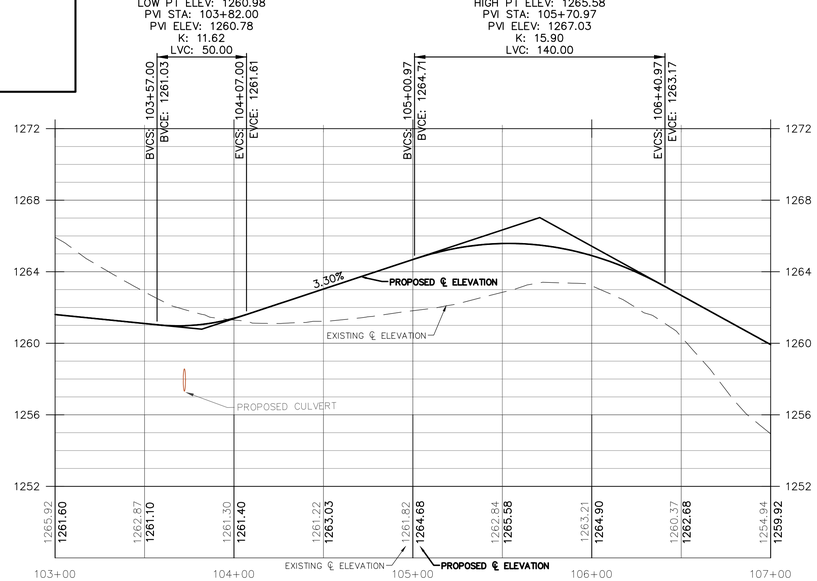
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SHEET KEY

NORTH





SCALE: 1"= 4' VERTICAL
SCALE: 1"= 40' HORIZONTAL
40' 0 40' 80'

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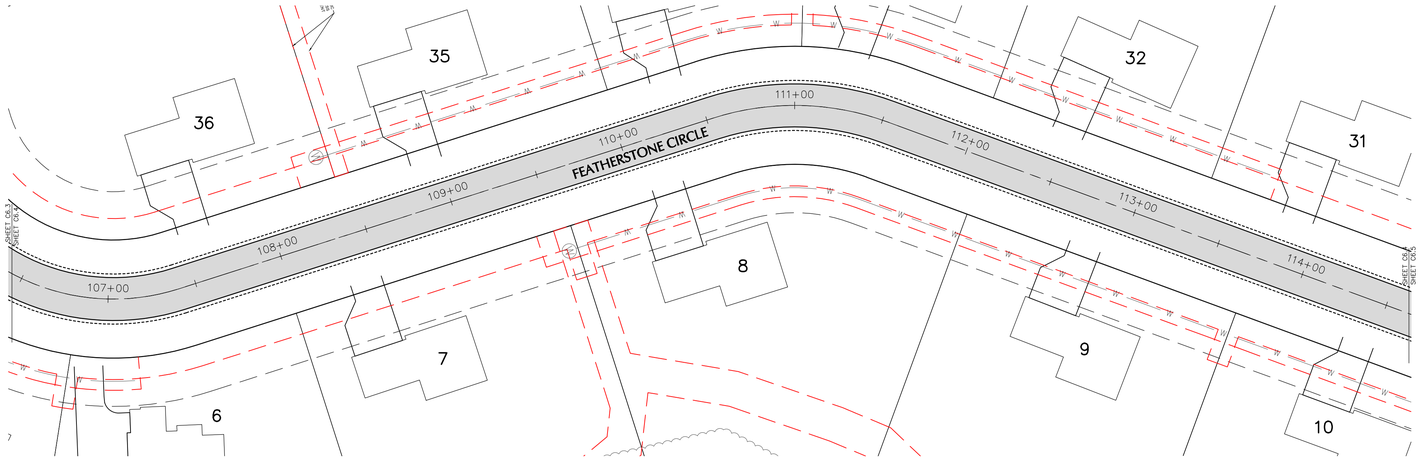
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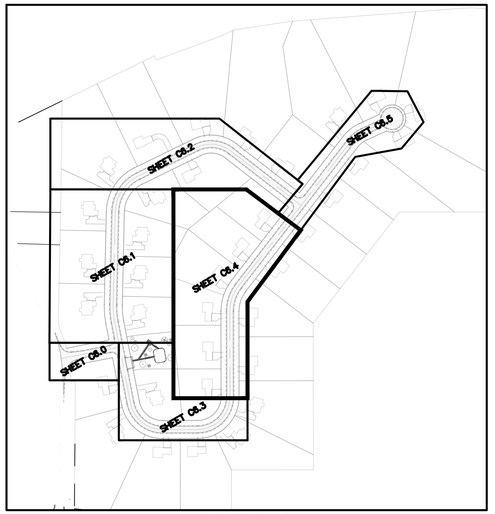
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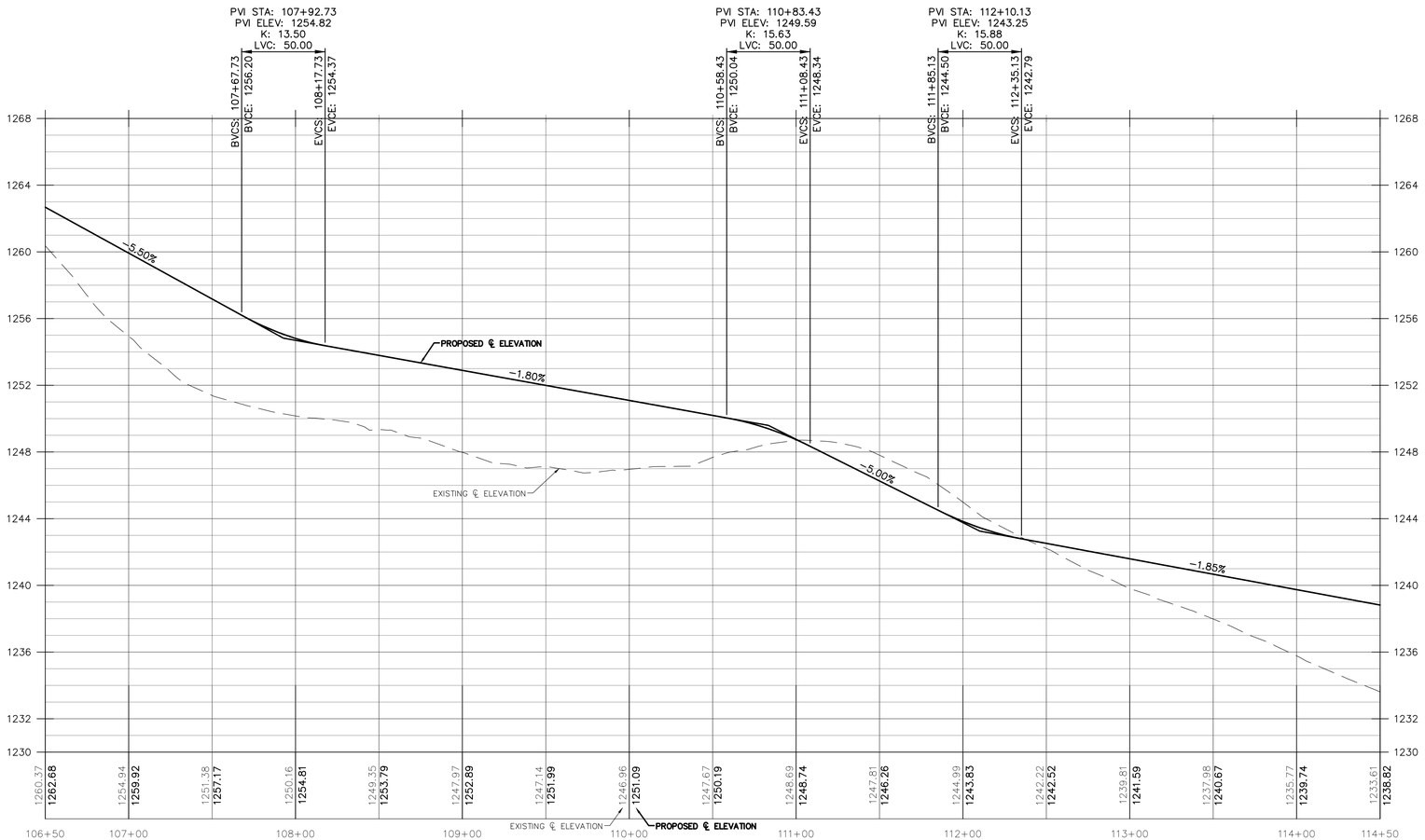
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SHEET NUMBER
C6.3





SHEET KEY



SCALE: 1"= 4' VERTICAL
SCALE: 1"= 40' HORIZONTAL
40' 0 40' 80'

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FEATHERSTONE CIRCLE - ROAD AND STORM

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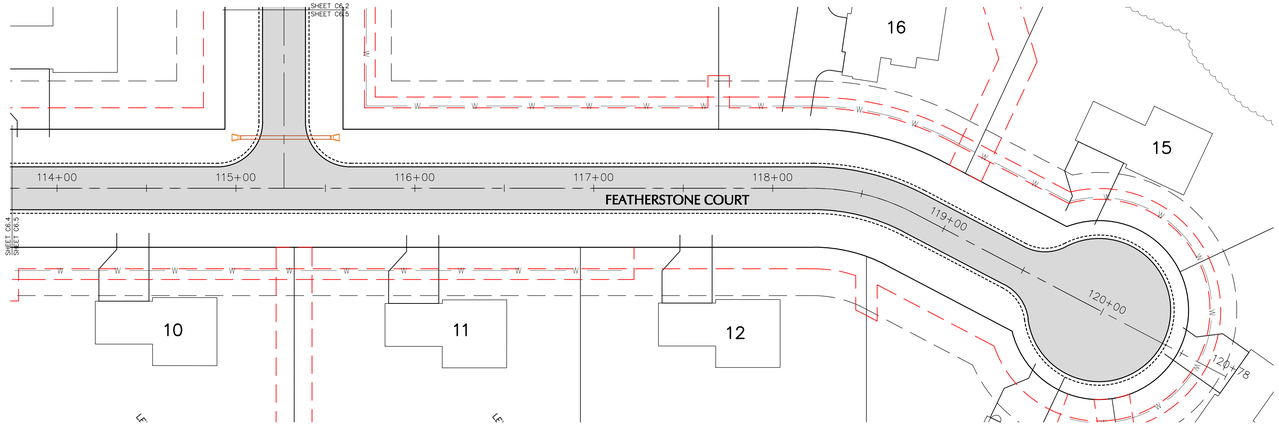
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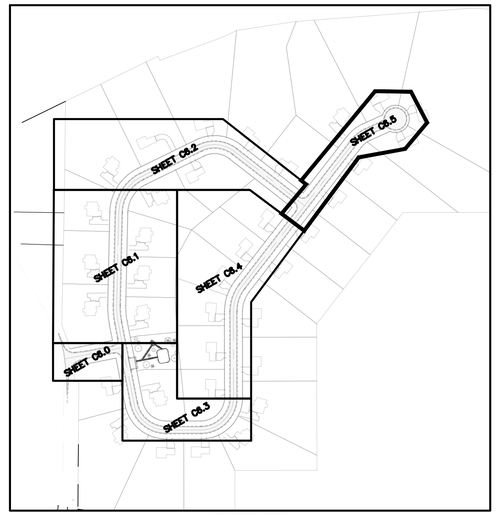
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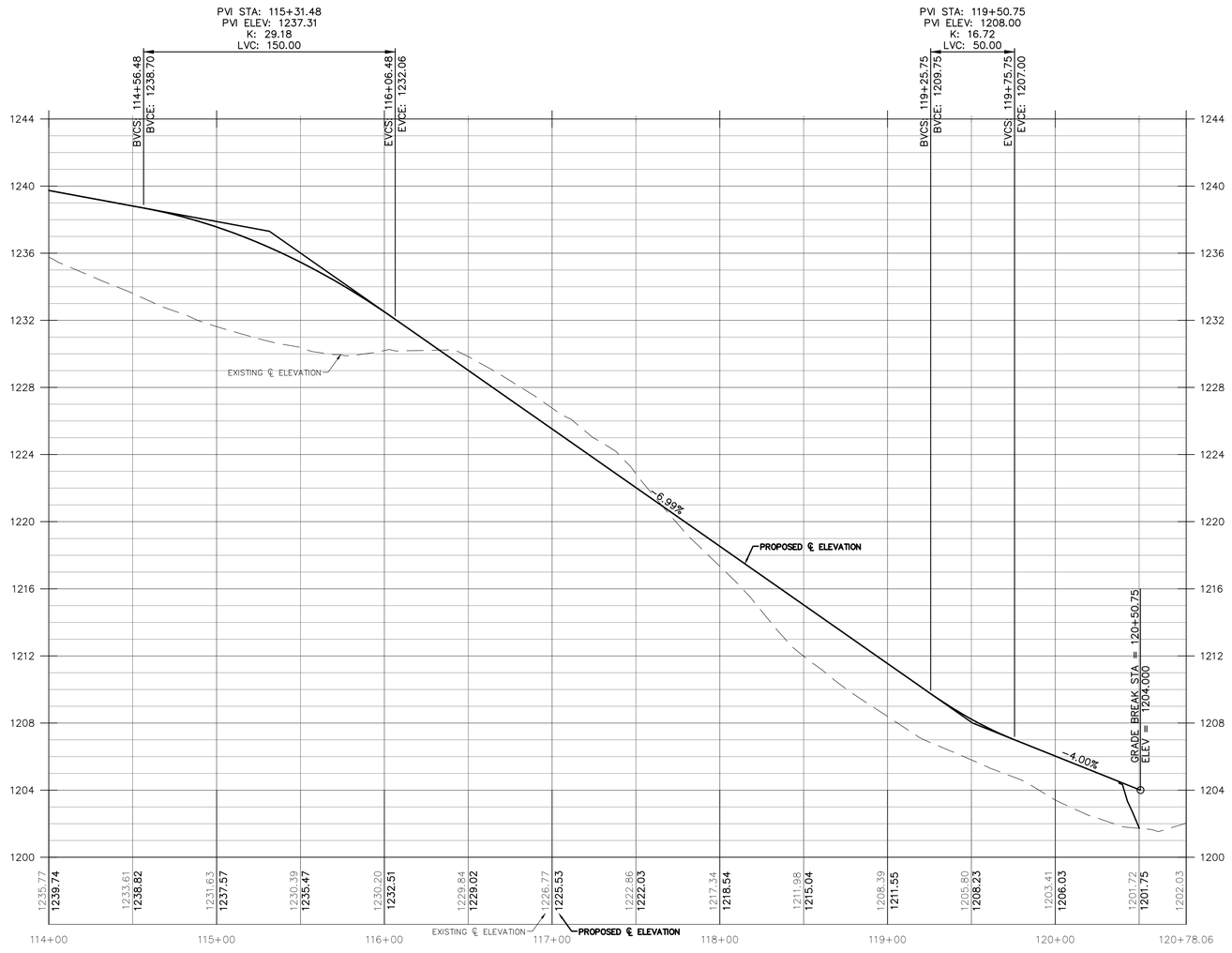
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SHEET KEY



NORTH

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SCALE: 1"= 40' HORIZONTAL
40' 0 40' 80'

FEATHERSTONE COURT - ROAD AND STORM

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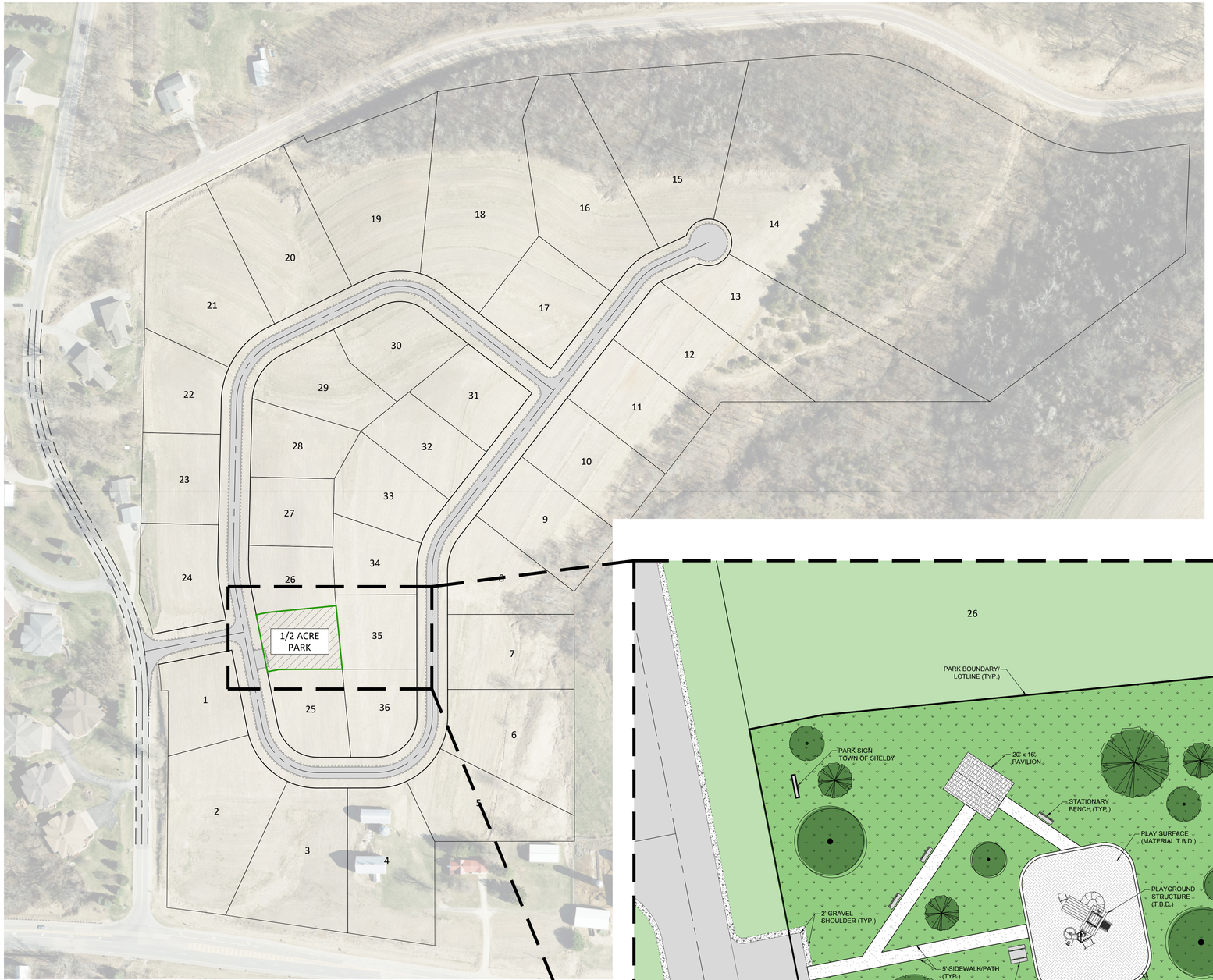
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SUBDIVISION LAYOUT

SCALE: 1"=120'



PLAYGROUND #1



PLAYGROUND #2

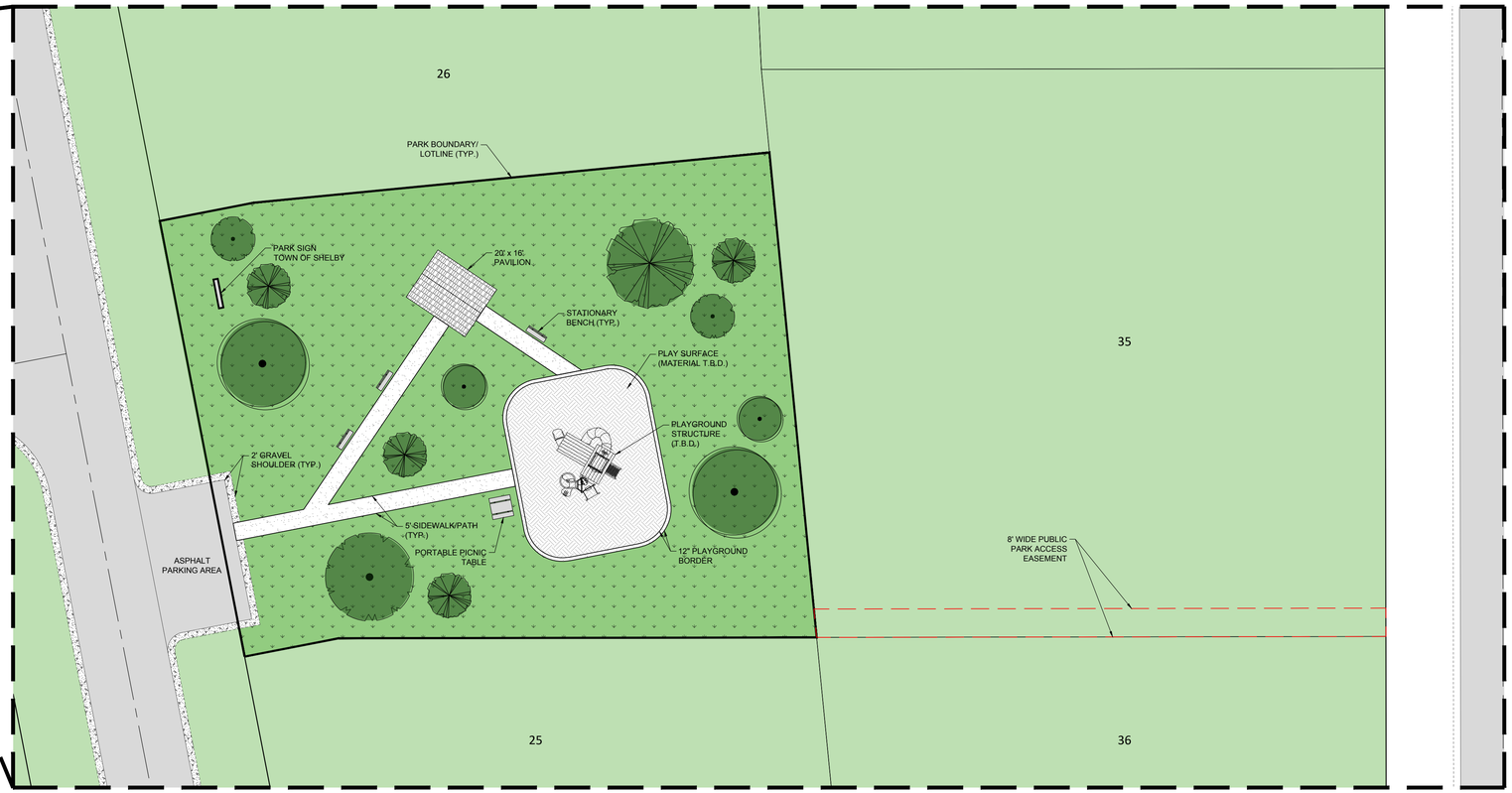


PLAYGROUND #3



20' x 16' PAVILION

NOTE: IMAGES ARE FOR CONCEPTUAL USE AND INSPIRATION ONLY.



SCHEMATIC PARK PLAN

SCALE: 1"=20'

NORTH

PARK LAYOUT EXHIBIT

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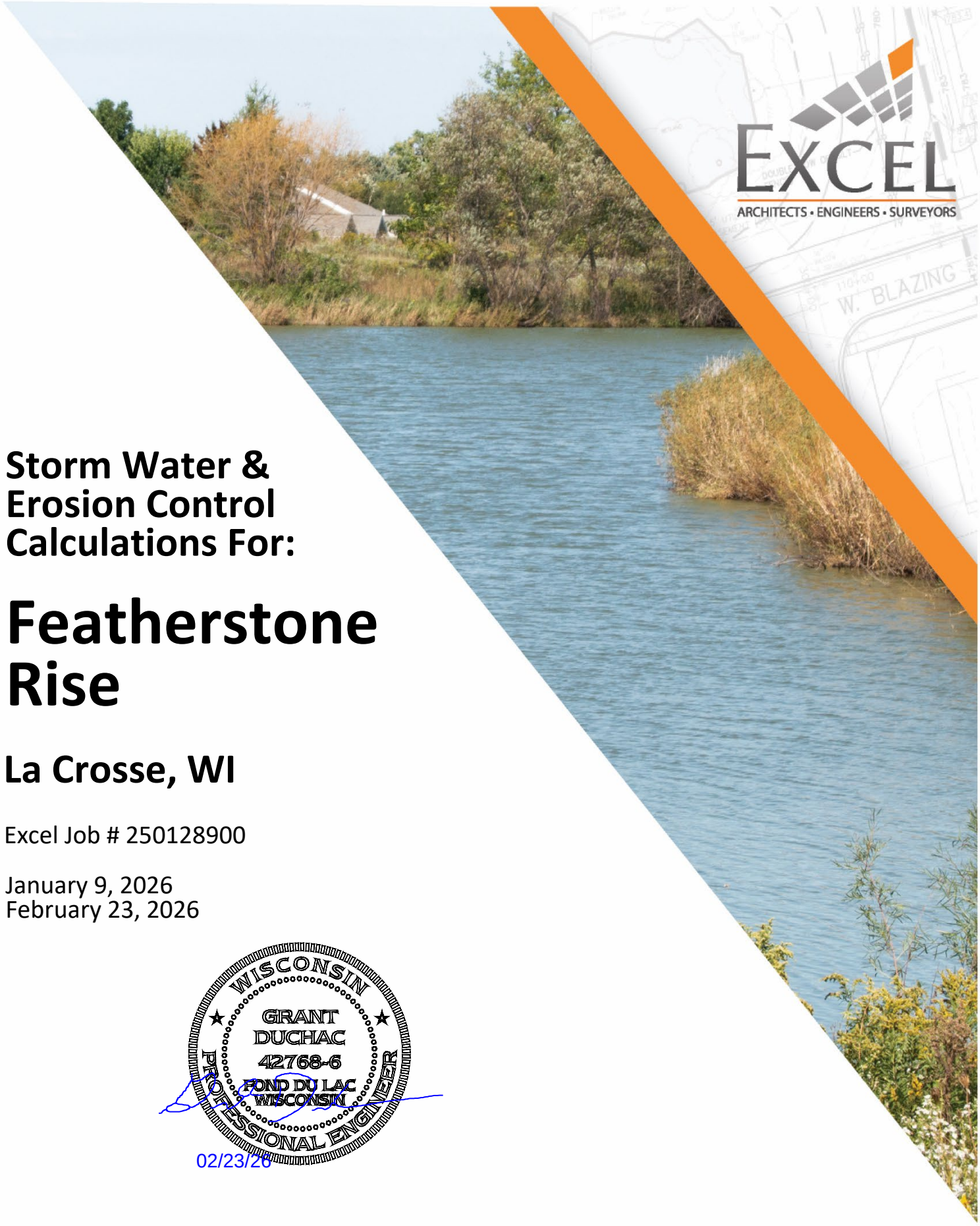
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Storm Water & Erosion Control Calculations For:

Featherstone Rise

La Crosse, WI

Excel Job # 250128900

January 9, 2026
February 23, 2026

WISCONSIN
GRANT
DUCHAC
42768-6
FOND DU LAC
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PROFESSIONAL ENGINEER
02/23/26

Prepared by Grant Duchac, P.E.
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Appendices

Appendix A: Pre-Development Basin Area(s)
Appendix B: Post Development Basin Area(s)
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Appendix G: SLAMM Basin Map & Input/ Output Information
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0.0 Introduction

0.1 Existing Conditions

The proposed development is located on the north side of State Highway 33 in the Town of Shelby, Wisconsin. The project site is bound by County Road F and three residential properties to the west, County Road FO to the north, and wooded and agriculture land to the east. The existing site consists of agricultural fields with wooded areas and contains two barns. The southwest corner of the site drains toward STH 33. A small westerly portion drains west through a 24" culvert beneath County Rd. F. While most of the site drains to the north along County Road FO. No wetlands are present within the site; however, portions of the property contain steep slopes. The existing site can be seen in Appendix A.

- Property Area: 54.89 acres

0.2 Proposed Project Overview

The proposed project will include 36 single-family residential lots. Stormwater runoff from the development will be conveyed through a network of swales and culverts to six stormwater management biofiltration basins located around the perimeter of the site. These basins are designed to promote infiltration, reduce peak discharge rates, and provide stormwater treatment in compliance with local and state stormwater quantity, quality, and infiltration requirements.
The proposed site can be seen in Appendix B.

- Drainage/Ultimate Development Area: 35.03 acres
- Disturbed Area: 12.14 acres

1.0 Design Criteria

1.1 Soils

Soil characteristics were determined using the web soil survey. See Table 1 for a summary of the soils and hydrologic ratings indicated by the web soil survey and Appendix D for web soil survey map.

Table 1: Web Soil Survey

MAP SYMBOL	SOIL TYPE	HYDROLOGIC RATING
114B2	Mt. Carroll Silt Loam	B
132C2	Brinkman Silt Loam	B
133D2	Valton Silt Loam	C
163E2	Elbaville Silt Loam	C
601C	Beavercreek Cobbly Fine Sandy Loam	A
1125F	Doreton	B

Soil borings are to be completed for the project site in the future.

1.2 Rainfall Data

NOAA Atlas 14, La Crosse County rainfall depths with a MSE 4 distribution was used for stormwater calculations.

Table 2: NOAA Atlas 14 24-hour Rainfall Depth

DESIGN STORM	RAINFALL DEPTH (INCHES)
1-YEAR	2.50
2-YEAR	2.90
5-YEAR	3.70
10-YEAR	4.30
25-YEAR	4.90
100-YEAR	6.10

2.0 Stormwater Management Requirements

2.1 Peak Discharge

La Crosse County- Maintain or reduce the 1-yr, 2-yr, 5-yr, 10-yr, and 25-yr, 24 hour post development peak runoff discharge rates to the 1-yr, 2-yr, 5-yr, 10-yr, and 25-yr, 24 hour pre development peak runoff discharge rates respectively, or to the maximum extent practicable. All designed stormwater facilities shall safely pass the 100-yr storm event.

Wisconsin Department of Natural Resources (DNR)- Maintain or reduce the 1-yr and 2-yr 24 hour post development peak runoff discharge rates to the 1-yr and 2-yr 24 hour pre development peak runoff discharge rates respectively, or to the maximum extent practicable.

Wisconsin Department of Transportation (DOT)- Maintain or reduce the 1-yr, 2-yr, 10-yr, 25-yr, 50-yr and 100-yr 24 hour post development peak runoff discharge rates to the 1-yr, 2-yr, 10-yr, 25-yr, 50-yr and 100-yr, 24 hour pre development peak runoff discharge rates respectively, or to the maximum extent practicable drainage to the STH 33.

The Pre Development runoff curve numbers used were based on La Crosse County Post Construction Storm Water Management 29.09(1)(c). Per discussions with La Crosse County Conservation Department, post development curve numbers represent the actual post construction state as development disturbance will be limited.

Table 3: Runoff Curve Numbers

SOIL GROUP	PRE DEVELOPMENT	POST DEVELOPMENT
HYDROLOGIC GROUP B	55	61
HYDROLOGIC GROUP C	70	74

A combination of biofiltration basins will be used to reduce peak flows to be below the predevelopment flows throughout the subdivision. Some low sediment runoff residential lot areas will drain directly offsite without treatment through a stormwater facility. The runoff from the treated areas will overcompensate for the untreated areas.

Table 4: 100yr-24hr storm biofiltration summary

BIOFILTER	EMERGENCY SPILLWAY ELEVATION (FT)	CALCULATED POND ELEVATION (FT)	BASIN DISCHARGE (CFS)	DISCHARGE EXIT POINT
1A	1243.00	1242.96	6.62	STH 33 ROW
3A	1197.00	1197.22	13.73	CTH FO ROW
3B	1199.00	1199.47	24.52	CTH FO ROW
3C	1181.00	1181.10	6.79	CTH FO ROW
3D	1191.00	1191.05	6.89	CTH FO ROW
3E	1219.00	1219.11	7.12	CTH FO ROW

Table 5: Pond Summary – Basin 1A

DESIGN STORM	POND RELEASE RATE (CFS)	STORAGE VOLUME (C.F.)	MAXIMUM ELEVATION (FT)
1 YR – 24 HR	0.32	2,951	1239.93
2 YR – 24 HR	0.45	5,132	1240.45
5 YR – 24 HR	1.17	8,802	1241.17
10 YR – 24 HR	2.19	11,696	1241.65
25 YR – 24 HR	3.60	14,669	1242.10
100 YR – 24 HR	6.62	21,220	1242.96

Table 6: Pond Summary – Basin 3A

DESIGN STORM	POND RELEASE RATE (CFS)	STORAGE VOLUME (C.F.)	MAXIMUM ELEVATION (FT)
1 YR – 24 HR	0.56	7,129	1193.37
2 YR – 24 HR	0.97	10,734	1193.92
5 YR – 24 HR	2.63	17,153	1194.76
10 YR – 24 HR	4.83	22,437	1195.36
25 YR – 24 HR	6.79	28,352	1195.98
100 YR – 24 HR	13.73	42,103	1197.22

Table 7: Pond Summary – Basin 3B

DESIGN STORM	POND RELEASE RATE (CFS)	STORAGE VOLUME (C.F.)	MAXIMUM ELEVATION (FT)
1 YR – 24 HR	0.53	6,156	1196.53
2 YR – 24 HR	0.96	8,793	1196.99
5 YR – 24 HR	2.61	13,957	1197.78
10 YR – 24 HR	4.59	18,152	1198.33
25 YR – 24 HR	6.56	22,719	1198.86
100 YR – 24 HR	24.52	28,439	1199.47

Table 8: Pond Summary – Basin 3C

DESIGN STORM	POND RELEASE RATE (CFS)	STORAGE VOLUME (C.F.)	MAXIMUM ELEVATION (FT)
1 YR – 24 HR	0.23	2,322	1178.99
2 YR – 24 HR	0.31	3,509	1179.39
5 YR – 24 HR	0.73	5,454	1179.96
10 YR – 24 HR	1.13	6,905	1180.33
25 YR – 24 HR	2.08	8,327	1180.67
100 YR – 24 HR	6.79	10,244	1181.10

Table 9: Pond Summary – Basin 3D

DESIGN STORM	POND RELEASE RATE (CFS)	STORAGE VOLUME (C.F.)	MAXIMUM ELEVATION (FT)
1 YR – 24 HR	0.37	2,240	1188.74
2 YR – 24 HR	0.74	2,906	1189.08
5 YR – 24 HR	1.92	4,243	1189.67
10 YR – 24 HR	3.16	5,269	1190.07
25 YR – 24 HR	4.56	6,232	1190.42
100 YR – 24 HR	6.89	8,209	1191.05

Table 10: Pond Summary – Basin 3E

DESIGN STORM	POND RELEASE RATE (CFS)	STORAGE VOLUME (C.F.)	MAXIMUM ELEVATION (FT)
1 YR – 24 HR	0.26	2,290	1216.82
2 YR – 24 HR	0.30	3,688	1217.25
5 YR – 24 HR	0.67	5,965	1217.88
10 YR – 24 HR	1.23	7,552	1218.29
25 YR – 24 HR	2.04	9,113	1218.66
100 YR – 24 HR	7.12	11,171	1219.11

Table 11: Overall Peak Discharge Release Summary

DESIGN STORM	PREDEVELOPMENT (CFS) (1L)	POST DEVELOPMENT (CFS) (2L)
1 YR- 24 HR	2.17	2.11
2 YR- 24 HR	6.15	3.04
5YR- 24 HR	20.61	7.52
10 YR- 24 HR	34.45	15.10
25 YR- 24 HR	50.10	24.04
100 YR- 24 HR	85.40	41.84

Table 11 shows that post development release rates for the entire development will be less than predevelopment release rates for all design storms.

Table 12: Drainage to WisDOT STH 33 right-of-way

	PREDEVELOPMENT	POST DEVELOPMENT			
DESIGN STORM	**Peak Discharge (cfs)** (1)	**To Biofilter (cfs)** (1A)	**Basin Discharge (cfs)** (P1A)	**Offsite (cfs)** (1B)	**Peak Discharge (To Biofilter + Offsite) (cfs)** (3L)
1YR-24 HR	**0.09**	2.93	0.32	0.14	**0.14**
2YR-24 HR	**0.31**	4.83	0.45	0.26	**0.26**
5YR-24HR	**1.62**	9.27	1.17	0.55	**0.77**
10YR-24HR	**3.23**	13.00	2.19	0.80	**1.81**
25YR-24HR	**5.15**	16.99	3.02	1.08	**3.27**
100YR-24HR	**9.61**	25.52	5.93	1.67	**6.55**

Table 12 shows that post development release rates to WisDOT STH 33 will be less than pre development release rates for the 2-yr, 5-yr, 10-yr, 25-yr and 100-yr 24 hour storms. Due to the conservative pre (meadow condition) and post runoff curve numbers listed in Table 3, the 1-yr 24 hour storm draining to STH 33 has been reduced to the maximum extent practicable.

See sheets C2.1-C2.3 and C4.0-C4.3 of the construction plans for pond design and Appendix C for peak discharge calculations.

Therefore, peak discharge requirements are met.

2.2 Stormwater Quality

La Crosse County- The site is considered a new development project and will be required to remove 80% of total suspended solids (TSS) from site runoff.

Wisconsin DNR- The site is considered a new development project and will be required to remove 80% of total suspended solids (TSS) from site runoff.

The site will treat stormwater using a combination of biofiltration with storage. SLAMM analysis was used to determine the quantity of suspended solids that will be removed by the proposed biofiltration basins. The proposed site will create 5,780 lbs of TSS and the proposed biofiltration basins will reduce TSS to 1150 lbs, which results in an 80.10% reduction in TSS release.

Since the proposed biofiltration basins remove 80.10% of suspended solids which is greater than the required 80%.

Therefore, stormwater quality requirements have been met.

2.3 Infiltration

La Crosse County- Infiltrate sufficient runoff volume so that the post-development infiltration volume shall be at least 90% of the pre-development infiltration volume, based on an average annual rainfall. However, no more than 1% of the post-construction site is required as an effective infiltration area.

Wisconsin DNR- Infiltrate sufficient runoff volume so that the post-development infiltration volume shall be at least 90% of the pre-development infiltration volume, based on an average annual rainfall. However, no more than 1% of the post-construction site is required as an effective infiltration area.

The proposed development will be 1,525,922 sf, which means that a maximum of 15,260 sf of area will be required for infiltration onsite. The six proposed biofiltration basins have an area of 19,614 sf of infiltration area.
This meets the 1% maximum requirement (19,614 sf / 1,525,922 sf = 1.3%).

Therefore, Infiltration requirements are met.

3.0 Storm Sewer Design

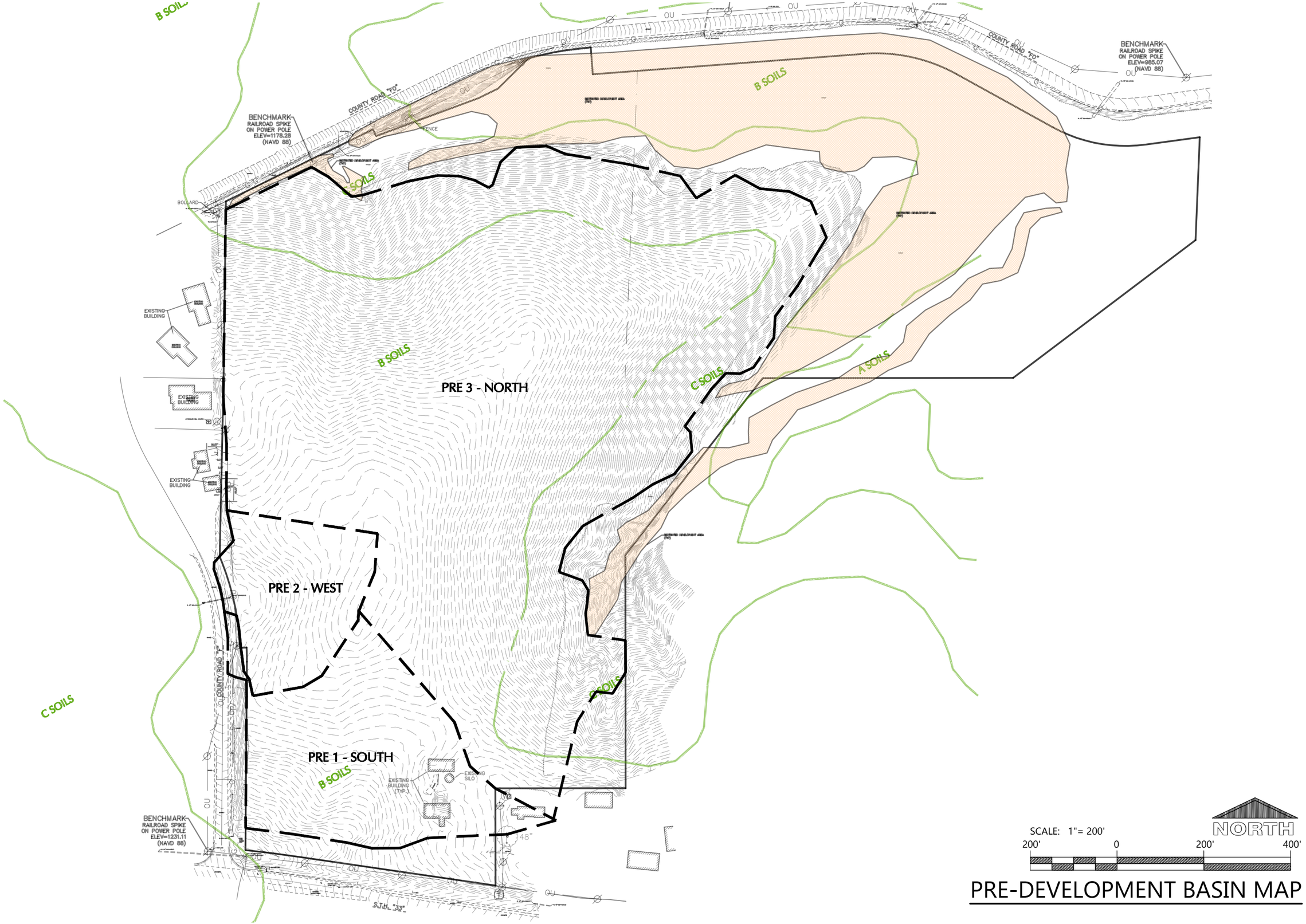
All storm sewers have been designed to convey the 25-year 24-hour post development storm.

See Appendix E and Appendix F for pipe drainage areas and pipe sizing calculations.

4.0 Erosion Control

The erosion control measures shall follow La Crosse County specifications. The construction sequence, erosion matting and erosion control notes are shown in the construction plan set.

Appendix A: Pre-Development Basin Area(s)



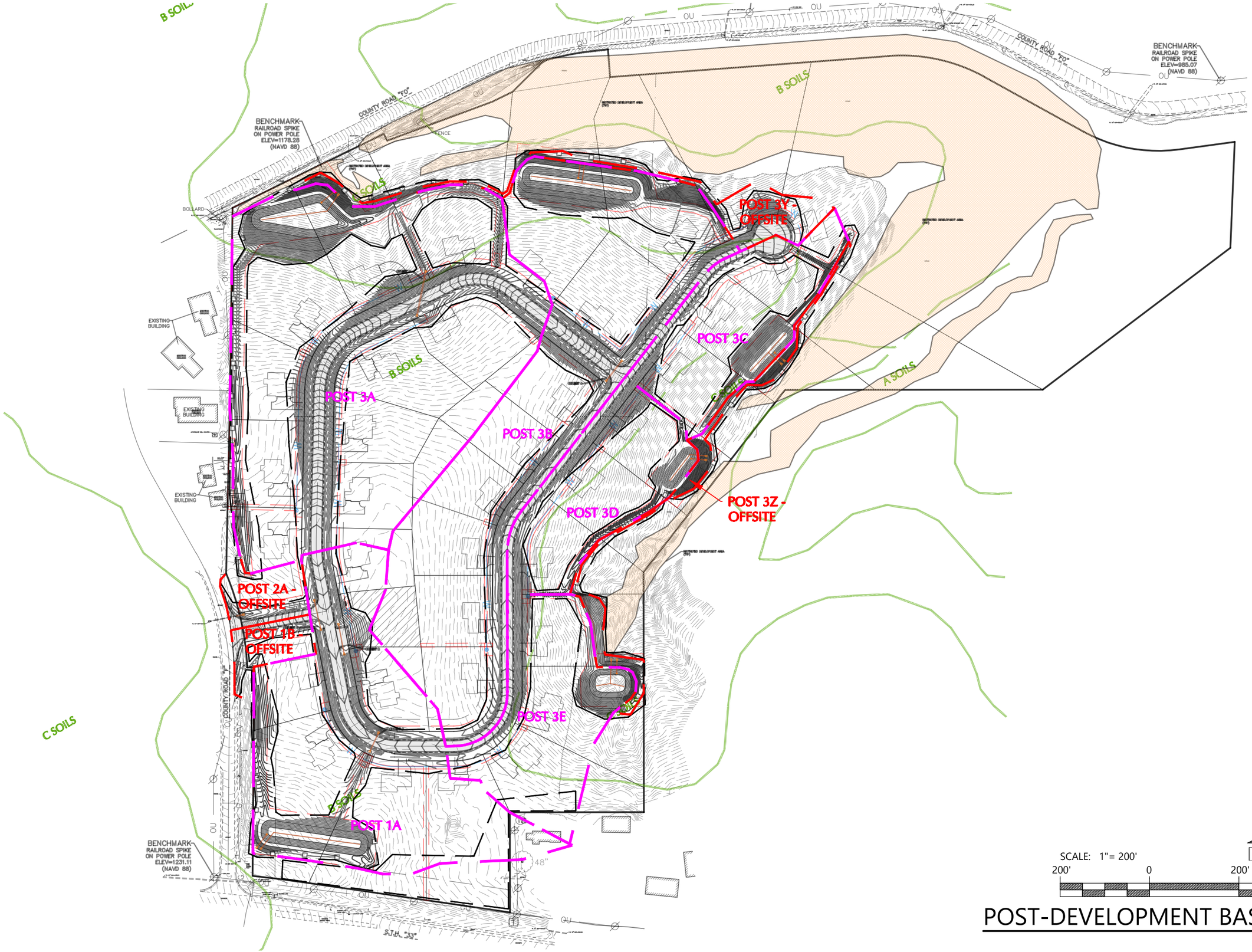
SCALE: 1"= 200'

200' 0 200' 400'

NORTH

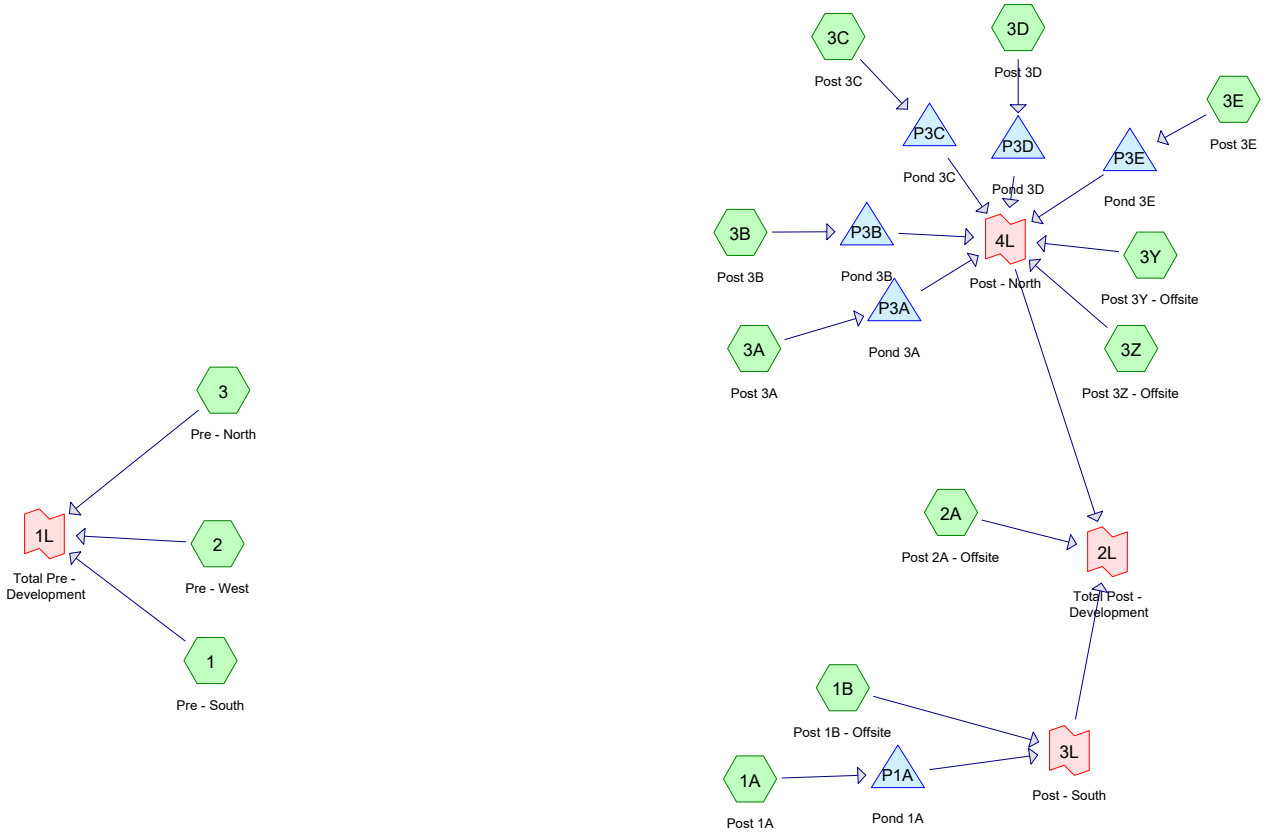
PRE-DEVELOPMENT BASIN MAP

Appendix B: Post Development Basin Area(s)



POST-DEVELOPMENT BASIN MAP

Appendix C: Peak Discharge Calculations



Routing Diagram for 250128900_swm
Prepared by Excel Engineering, Printed 2/23/2026
HydroCAD® 10.20-6a s/n 01178 © 2024 HydroCAD Software Solutions LLC

Rainfall Events Listing

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	1 YR	MSE 24-hr	4	Default	24.00	1	2.50	2
2	2 YR	MSE 24-hr	4	Default	24.00	1	2.90	2
3	5 YR	MSE 24-hr	4	Default	24.00	1	3.70	2
4	10 YR	MSE 24-hr	4	Default	24.00	1	4.30	2
5	25 YR	MSE 24-hr	4	Default	24.00	1	4.90	2
6	100 YR	MSE 24-hr	4	Default	24.00	1	6.10	2

Time span=5.00-500.00 hrs, dt=0.05 hrs, 9901 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1: Pre - South Runoff Area=4.910 ac 0.00% Impervious Runoff Depth=0.08"
Tc=10.0 min CN=55 Runoff=0.09 cfs 0.034 af

Subcatchment1A: Post 1A Runoff Area=6.030 ac 19.24% Impervious Runoff Depth=0.39"
Tc=6.0 min CN=68 Runoff=2.93 cfs 0.195 af

Subcatchment1B: Post 1B - Offsite Runoff Area=0.440 ac 11.36% Impervious Runoff Depth=0.30"
Tc=6.0 min CN=65 Runoff=0.14 cfs 0.011 af

Subcatchment2: Pre - West Runoff Area=2.540 ac 0.00% Impervious Runoff Depth=0.08"
Tc=6.0 min CN=55 Runoff=0.04 cfs 0.017 af

Subcatchment2A: Post 2A - Offsite Runoff Area=0.530 ac 11.32% Impervious Runoff Depth=0.30"
Tc=6.0 min CN=65 Runoff=0.16 cfs 0.013 af

Subcatchment3: Pre - North Runoff Area=27.590 ac 0.00% Impervious Runoff Depth=0.17"
Tc=10.0 min CN=60 Runoff=2.12 cfs 0.400 af

Subcatchment3A: Post 3A Runoff Area=10.600 ac 18.58% Impervious Runoff Depth=0.46"
Tc=6.0 min CN=70 Runoff=6.50 cfs 0.402 af

Subcatchment3B: Post 3B Runoff Area=8.450 ac 19.88% Impervious Runoff Depth=0.49"
Tc=6.0 min CN=71 Runoff=5.75 cfs 0.346 af

Subcatchment3C: Post 3C Runoff Area=2.490 ac 22.89% Impervious Runoff Depth=0.65"
Tc=6.0 min CN=75 Runoff=2.42 cfs 0.135 af

Subcatchment3D: Post 3D Runoff Area=2.380 ac 23.95% Impervious Runoff Depth=0.69"
Tc=6.0 min CN=76 Runoff=2.49 cfs 0.138 af

Subcatchment3E: Post 3E Runoff Area=2.780 ac 19.06% Impervious Runoff Depth=0.61"
Tc=6.0 min CN=74 Runoff=2.49 cfs 0.141 af

Subcatchment3Y: Post 3Y - Offsite Runoff Area=0.820 ac 36.59% Impervious Runoff Depth=1.06"
Tc=6.0 min CN=83 Runoff=1.36 cfs 0.072 af

Subcatchment3Z: Post 3Z - Offsite Runoff Area=0.520 ac 0.00% Impervious Runoff Depth=0.61"
Tc=6.0 min CN=74 Runoff=0.47 cfs 0.026 af

Subcatchment5S: Culvert 1 Runoff Area=4,797 sf 48.61% Impervious Runoff Depth=0.84"
Tc=6.0 min CN=79 Runoff=0.14 cfs 0.008 af

Subcatchment6S: Culvert 2 Runoff Area=24,708 sf 36.87% Impervious Runoff Depth=0.65"
Tc=6.0 min CN=75 Runoff=0.55 cfs 0.031 af

Subcatchment7S: Culvert 3 Runoff Area=41,517 sf 32.00% Impervious Runoff Depth=0.57"
Tc=6.0 min CN=73 Runoff=0.78 cfs 0.045 af

Subcatchment8S: Culvert 4 Runoff Area=209,603 sf 25.18% Impervious Runoff Depth=0.46"
Tc=6.0 min CN=70 Runoff=2.95 cfs 0.183 af

Subcatchment9S: Culvert 5 Runoff Area=188,836 sf 19.96% Impervious Runoff Depth=0.39"
Tc=6.0 min CN=68 Runoff=2.10 cfs 0.140 af

Pond P1A: Pond 1A Peak Elev=1,239.93' Storage=2,951 cf Inflow=2.93 cfs 0.195 af
Primary=0.00 cfs 0.000 af Secondary=0.32 cfs 0.195 af Tertiary=0.00 cfs 0.000 af Outflow=0.32 cfs 0.195 af

Pond P3A: Pond 3A Peak Elev=1,193.37' Storage=7,129 cf Inflow=6.50 cfs 0.402 af
Primary=0.04 cfs 0.006 af Secondary=0.52 cfs 0.396 af Tertiary=0.00 cfs 0.000 af Outflow=0.56 cfs 0.402 af

Pond P3B: Pond 3B Peak Elev=1,196.53' Storage=6,156 cf Inflow=5.75 cfs 0.346 af
Primary=0.10 cfs 0.017 af Secondary=0.44 cfs 0.329 af Tertiary=0.00 cfs 0.000 af Outflow=0.53 cfs 0.346 af

Pond P3C: Pond 3C Peak Elev=1,178.99' Storage=2,322 cf Inflow=2.42 cfs 0.135 af
Primary=0.00 cfs 0.000 af Secondary=0.23 cfs 0.135 af Tertiary=0.00 cfs 0.000 af Outflow=0.23 cfs 0.135 af

Pond P3D: Pond 3D Peak Elev=1,188.74' Storage=2,240 cf Inflow=2.49 cfs 0.138 af
Primary=0.22 cfs 0.031 af Secondary=0.15 cfs 0.107 af Tertiary=0.00 cfs 0.000 af Outflow=0.37 cfs 0.138 af

Pond P3E: Pond 3E Peak Elev=1,216.82' Storage=2,290 cf Inflow=2.49 cfs 0.141 af
Primary=0.00 cfs 0.000 af Secondary=0.26 cfs 0.141 af Tertiary=0.00 cfs 0.000 af Outflow=0.26 cfs 0.141 af

Link 1L: Total Pre - Development Inflow=2.17 cfs 0.451 af
Primary=2.17 cfs 0.451 af

Link 2L: Total Post - Development Inflow=2.11 cfs 0.177 af
Primary=2.11 cfs 0.177 af

Link 3L: Post - South Inflow=0.14 cfs 0.011 af
Primary=0.14 cfs 0.011 af

Link 4L: Post - North Inflow=1.82 cfs 0.153 af
Primary=1.82 cfs 0.153 af

Total Runoff Area = 80.857 ac Runoff Volume = 2.336 af Average Runoff Depth = 0.35"
88.21% Pervious = 71.323 ac 11.79% Impervious = 9.534 ac

Summary for Subcatchment 1: Pre - South

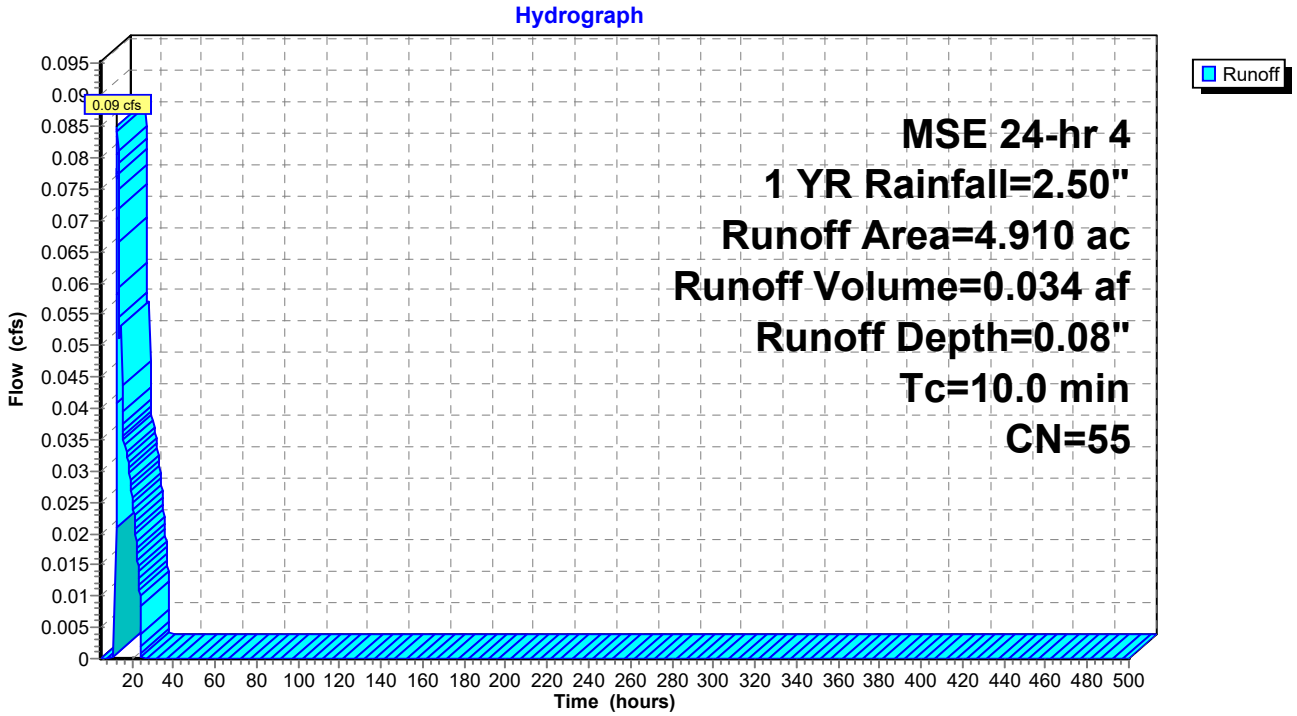
Runoff = 0.09 cfs @ 13.10 hrs, Volume= 0.034 af, Depth= 0.08"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	4.910	55	Pre Dev - B Soils
	4.910		100.00% Pervious Area

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

Subcatchment 1: Pre - South



Hydrograph for Subcatchment 1: Pre - South

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.08	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.08	0.00
15.00	2.20	0.04	**0.05**	270.00	2.50	0.08	0.00
20.00	**2.42**	**0.07**	0.03	275.00	2.50	0.08	0.00
25.00	**2.50**	**0.08**	0.00	280.00	2.50	0.08	0.00
30.00	2.50	0.08	0.00	285.00	2.50	0.08	0.00
35.00	2.50	0.08	0.00	290.00	2.50	0.08	0.00
40.00	2.50	0.08	0.00	295.00	2.50	0.08	0.00
45.00	2.50	0.08	0.00	300.00	2.50	0.08	0.00
50.00	2.50	0.08	0.00	305.00	2.50	0.08	0.00
55.00	2.50	0.08	0.00	310.00	2.50	0.08	0.00
60.00	2.50	0.08	0.00	315.00	2.50	0.08	0.00
65.00	2.50	0.08	0.00	320.00	2.50	0.08	0.00
70.00	2.50	0.08	0.00	325.00	2.50	0.08	0.00
75.00	2.50	0.08	0.00	330.00	2.50	0.08	0.00
80.00	2.50	0.08	0.00	335.00	2.50	0.08	0.00
85.00	2.50	0.08	0.00	340.00	2.50	0.08	0.00
90.00	2.50	0.08	0.00	345.00	2.50	0.08	0.00
95.00	2.50	0.08	0.00	350.00	2.50	0.08	0.00
100.00	2.50	0.08	0.00	355.00	2.50	0.08	0.00
105.00	2.50	0.08	0.00	360.00	2.50	0.08	0.00
110.00	2.50	0.08	0.00	365.00	2.50	0.08	0.00
115.00	2.50	0.08	0.00	370.00	2.50	0.08	0.00
120.00	2.50	0.08	0.00	375.00	2.50	0.08	0.00
125.00	2.50	0.08	0.00	380.00	2.50	0.08	0.00
130.00	2.50	0.08	0.00	385.00	2.50	0.08	0.00
135.00	2.50	0.08	0.00	390.00	2.50	0.08	0.00
140.00	2.50	0.08	0.00	395.00	2.50	0.08	0.00
145.00	2.50	0.08	0.00	400.00	2.50	0.08	0.00
150.00	2.50	0.08	0.00	405.00	2.50	0.08	0.00
155.00	2.50	0.08	0.00	410.00	2.50	0.08	0.00
160.00	2.50	0.08	0.00	415.00	2.50	0.08	0.00
165.00	2.50	0.08	0.00	420.00	2.50	0.08	0.00
170.00	2.50	0.08	0.00	425.00	2.50	0.08	0.00
175.00	2.50	0.08	0.00	430.00	2.50	0.08	0.00
180.00	2.50	0.08	0.00	435.00	2.50	0.08	0.00
185.00	2.50	0.08	0.00	440.00	2.50	0.08	0.00
190.00	2.50	0.08	0.00	445.00	2.50	0.08	0.00
195.00	2.50	0.08	0.00	450.00	2.50	0.08	0.00
200.00	2.50	0.08	0.00	455.00	2.50	0.08	0.00
205.00	2.50	0.08	0.00	460.00	2.50	0.08	0.00
210.00	2.50	0.08	0.00	465.00	2.50	0.08	0.00
215.00	2.50	0.08	0.00	470.00	2.50	0.08	0.00
220.00	2.50	0.08	0.00	475.00	2.50	0.08	0.00
225.00	2.50	0.08	0.00	480.00	2.50	0.08	0.00
230.00	2.50	0.08	0.00	485.00	2.50	0.08	0.00
235.00	2.50	0.08	0.00	490.00	2.50	0.08	0.00
240.00	2.50	0.08	0.00	495.00	2.50	0.08	0.00
245.00	2.50	0.08	0.00	500.00	2.50	0.08	0.00
250.00	2.50	0.08	0.00				
255.00	2.50	0.08	0.00				

Summary for Subcatchment 1A: Post 1A

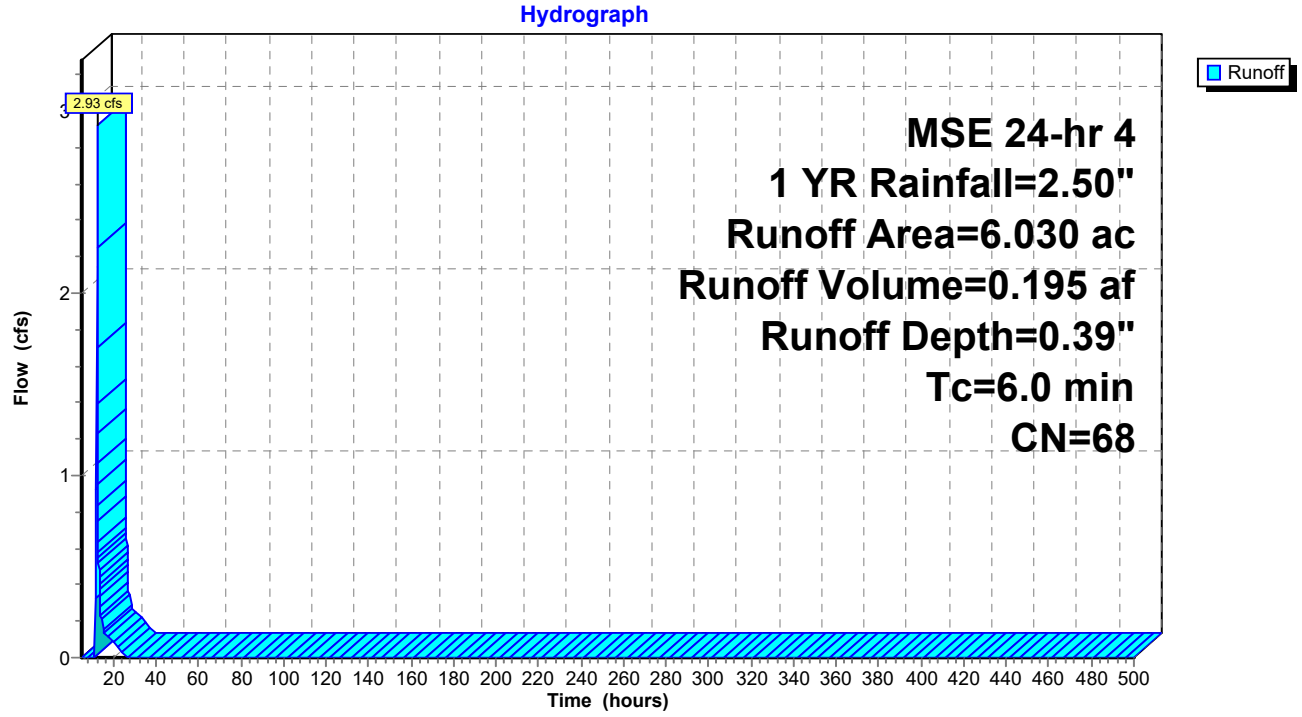
Runoff = 2.93 cfs @ 12.15 hrs, Volume= 0.195 af, Depth= 0.39"
Routed to Pond P1A : Pond 1A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	1.160	98	Impervious
*	4.870	61	Post - B Soils
*	0.000	74	Post - C Soils
	6.030	68	Weighted Average
	4.870		80.76% Pervious Area
	1.160		19.24% Impervious Area

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

Subcatchment 1A: Post 1A



Hydrograph for Subcatchment 1A: Post 1A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.39	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.39	0.00
15.00	2.20	0.26	**0.20**	270.00	2.50	0.39	0.00
20.00	**2.42**	**0.35**	0.08	275.00	2.50	0.39	0.00
25.00	**2.50**	**0.39**	0.00	280.00	2.50	0.39	0.00
30.00	2.50	0.39	0.00	285.00	2.50	0.39	0.00
35.00	2.50	0.39	0.00	290.00	2.50	0.39	0.00
40.00	2.50	0.39	0.00	295.00	2.50	0.39	0.00
45.00	2.50	0.39	0.00	300.00	2.50	0.39	0.00
50.00	2.50	0.39	0.00	305.00	2.50	0.39	0.00
55.00	2.50	0.39	0.00	310.00	2.50	0.39	0.00
60.00	2.50	0.39	0.00	315.00	2.50	0.39	0.00
65.00	2.50	0.39	0.00	320.00	2.50	0.39	0.00
70.00	2.50	0.39	0.00	325.00	2.50	0.39	0.00
75.00	2.50	0.39	0.00	330.00	2.50	0.39	0.00
80.00	2.50	0.39	0.00	335.00	2.50	0.39	0.00
85.00	2.50	0.39	0.00	340.00	2.50	0.39	0.00
90.00	2.50	0.39	0.00	345.00	2.50	0.39	0.00
95.00	2.50	0.39	0.00	350.00	2.50	0.39	0.00
100.00	2.50	0.39	0.00	355.00	2.50	0.39	0.00
105.00	2.50	0.39	0.00	360.00	2.50	0.39	0.00
110.00	2.50	0.39	0.00	365.00	2.50	0.39	0.00
115.00	2.50	0.39	0.00	370.00	2.50	0.39	0.00
120.00	2.50	0.39	0.00	375.00	2.50	0.39	0.00
125.00	2.50	0.39	0.00	380.00	2.50	0.39	0.00
130.00	2.50	0.39	0.00	385.00	2.50	0.39	0.00
135.00	2.50	0.39	0.00	390.00	2.50	0.39	0.00
140.00	2.50	0.39	0.00	395.00	2.50	0.39	0.00
145.00	2.50	0.39	0.00	400.00	2.50	0.39	0.00
150.00	2.50	0.39	0.00	405.00	2.50	0.39	0.00
155.00	2.50	0.39	0.00	410.00	2.50	0.39	0.00
160.00	2.50	0.39	0.00	415.00	2.50	0.39	0.00
165.00	2.50	0.39	0.00	420.00	2.50	0.39	0.00
170.00	2.50	0.39	0.00	425.00	2.50	0.39	0.00
175.00	2.50	0.39	0.00	430.00	2.50	0.39	0.00
180.00	2.50	0.39	0.00	435.00	2.50	0.39	0.00
185.00	2.50	0.39	0.00	440.00	2.50	0.39	0.00
190.00	2.50	0.39	0.00	445.00	2.50	0.39	0.00
195.00	2.50	0.39	0.00	450.00	2.50	0.39	0.00
200.00	2.50	0.39	0.00	455.00	2.50	0.39	0.00
205.00	2.50	0.39	0.00	460.00	2.50	0.39	0.00
210.00	2.50	0.39	0.00	465.00	2.50	0.39	0.00
215.00	2.50	0.39	0.00	470.00	2.50	0.39	0.00
220.00	2.50	0.39	0.00	475.00	2.50	0.39	0.00
225.00	2.50	0.39	0.00	480.00	2.50	0.39	0.00
230.00	2.50	0.39	0.00	485.00	2.50	0.39	0.00
235.00	2.50	0.39	0.00	490.00	2.50	0.39	0.00
240.00	2.50	0.39	0.00	495.00	2.50	0.39	0.00
245.00	2.50	0.39	0.00	500.00	2.50	0.39	0.00
250.00	2.50	0.39	0.00				
255.00	2.50	0.39	0.00				

Summary for Subcatchment 1B: Post 1B - Offsite

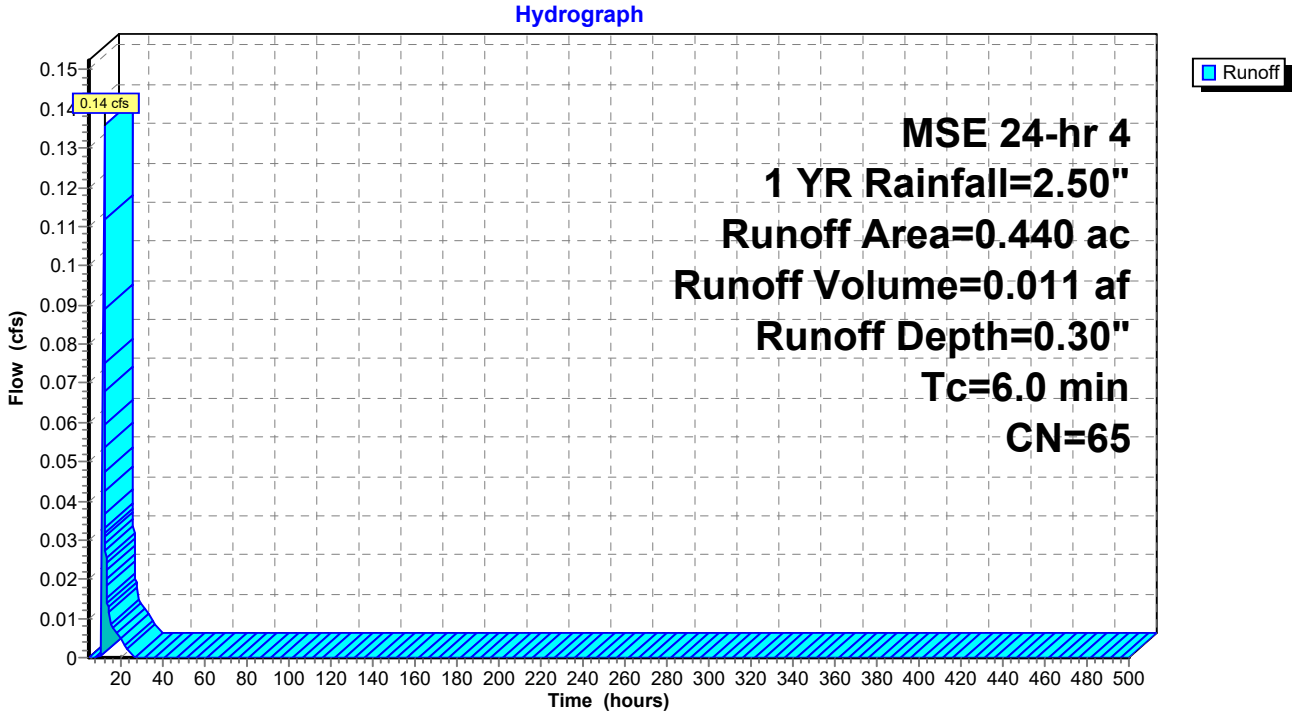
Runoff = 0.14 cfs @ 12.16 hrs, Volume= 0.011 af, Depth= 0.30"
Routed to Link 3L : Post - South

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	0.050	98	Impervious
*	0.390	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.440	65	Weighted Average
	0.390		88.64% Pervious Area
	0.050		11.36% Impervious Area

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

Subcatchment 1B: Post 1B - Offsite



Hydrograph for Subcatchment 1B: Post 1B - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00
10.00	0.40	0.00	**0.00**
15.00	2.20	0.19	**0.01**
20.00	**2.42**	**0.27**	0.01
25.00	**2.50**	**0.30**	0.00
30.00	2.50	0.30	0.00
35.00	2.50	0.30	0.00
40.00	2.50	0.30	0.00
45.00	2.50	0.30	0.00
50.00	2.50	0.30	0.00
55.00	2.50	0.30	0.00
60.00	2.50	0.30	0.00
65.00	2.50	0.30	0.00
70.00	2.50	0.30	0.00
75.00	2.50	0.30	0.00
80.00	2.50	0.30	0.00
85.00	2.50	0.30	0.00
90.00	2.50	0.30	0.00
95.00	2.50	0.30	0.00
100.00	2.50	0.30	0.00
105.00	2.50	0.30	0.00
110.00	2.50	0.30	0.00
115.00	2.50	0.30	0.00
120.00	2.50	0.30	0.00
125.00	2.50	0.30	0.00
130.00	2.50	0.30	0.00
135.00	2.50	0.30	0.00
140.00	2.50	0.30	0.00
145.00	2.50	0.30	0.00
150.00	2.50	0.30	0.00
155.00	2.50	0.30	0.00
160.00	2.50	0.30	0.00
165.00	2.50	0.30	0.00
170.00	2.50	0.30	0.00
175.00	2.50	0.30	0.00
180.00	2.50	0.30	0.00
185.00	2.50	0.30	0.00
190.00	2.50	0.30	0.00
195.00	2.50	0.30	0.00
200.00	2.50	0.30	0.00
205.00	2.50	0.30	0.00
210.00	2.50	0.30	0.00
215.00	2.50	0.30	0.00
220.00	2.50	0.30	0.00
225.00	2.50	0.30	0.00
230.00	2.50	0.30	0.00
235.00	2.50	0.30	0.00
240.00	2.50	0.30	0.00
245.00	2.50	0.30	0.00
250.00	2.50	0.30	0.00
255.00	2.50	0.30	0.00
260.00	2.50	0.30	0.00
265.00	2.50	0.30	0.00
270.00	2.50	0.30	0.00
275.00	2.50	0.30	0.00
280.00	2.50	0.30	0.00
285.00	2.50	0.30	0.00
290.00	2.50	0.30	0.00
295.00	2.50	0.30	0.00
300.00	2.50	0.30	0.00
305.00	2.50	0.30	0.00
310.00	2.50	0.30	0.00
315.00	2.50	0.30	0.00
320.00	2.50	0.30	0.00
325.00	2.50	0.30	0.00
330.00	2.50	0.30	0.00
335.00	2.50	0.30	0.00
340.00	2.50	0.30	0.00
345.00	2.50	0.30	0.00
350.00	2.50	0.30	0.00
355.00	2.50	0.30	0.00
360.00	2.50	0.30	0.00
365.00	2.50	0.30	0.00
370.00	2.50	0.30	0.00
375.00	2.50	0.30	0.00
380.00	2.50	0.30	0.00
385.00	2.50	0.30	0.00
390.00	2.50	0.30	0.00
395.00	2.50	0.30	0.00
400.00	2.50	0.30	0.00
405.00	2.50	0.30	0.00
410.00	2.50	0.30	0.00
415.00	2.50	0.30	0.00
420.00	2.50	0.30	0.00
425.00	2.50	0.30	0.00
430.00	2.50	0.30	0.00
435.00	2.50	0.30	0.00
440.00	2.50	0.30	0.00
445.00	2.50	0.30	0.00
450.00	2.50	0.30	0.00
455.00	2.50	0.30	0.00
460.00	2.50	0.30	0.00
465.00	2.50	0.30	0.00
470.00	2.50	0.30	0.00
475.00	2.50	0.30	0.00
480.00	2.50	0.30	0.00
485.00	2.50	0.30	0.00
490.00	2.50	0.30	0.00
495.00	2.50	0.30	0.00
500.00	2.50	0.30	0.00

Summary for Subcatchment 2: Pre - West

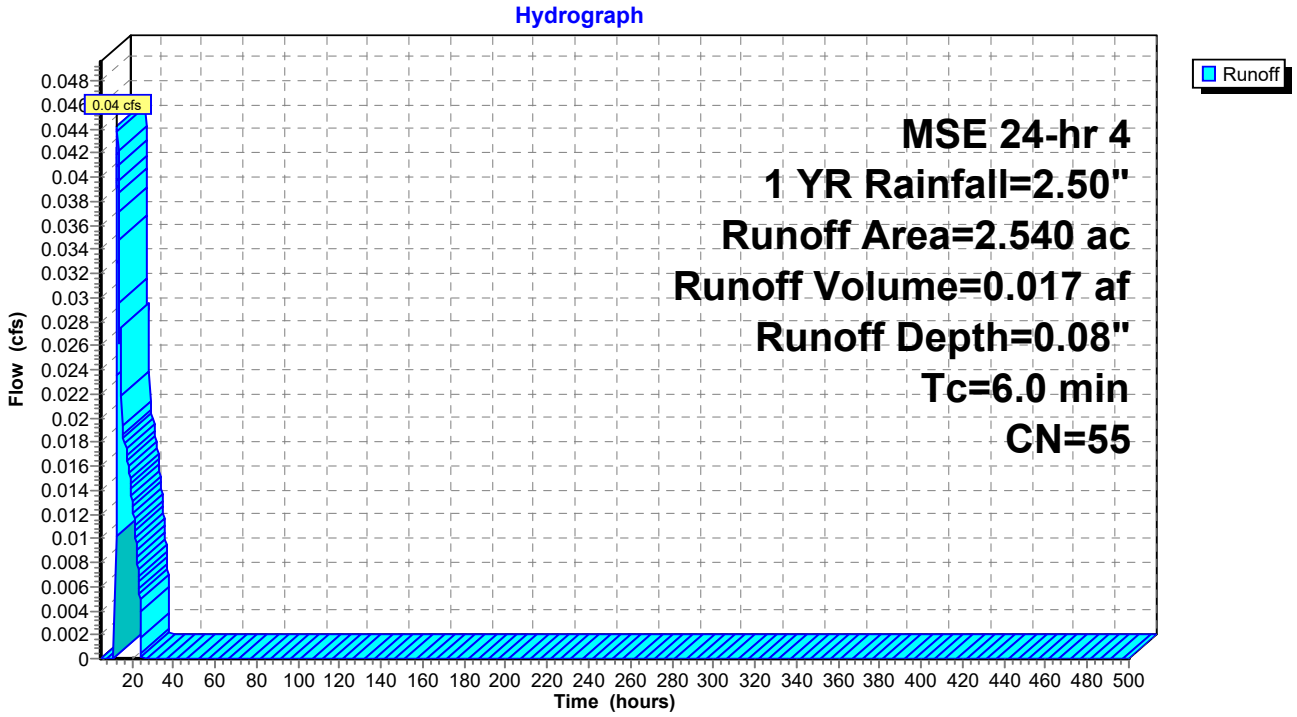
Runoff = 0.04 cfs @ 13.05 hrs, Volume= 0.017 af, Depth= 0.08"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	2.540	55	Pre Dev - B Soils
	2.540		100.00% Pervious Area

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

Subcatchment 2: Pre - West



Hydrograph for Subcatchment 2: Pre - West

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.08	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.08	0.00
15.00	2.20	0.04	**0.03**	270.00	2.50	0.08	0.00
20.00	**2.42**	**0.07**	0.01	275.00	2.50	0.08	0.00
25.00	**2.50**	**0.08**	0.00	280.00	2.50	0.08	0.00
30.00	2.50	0.08	0.00	285.00	2.50	0.08	0.00
35.00	2.50	0.08	0.00	290.00	2.50	0.08	0.00
40.00	2.50	0.08	0.00	295.00	2.50	0.08	0.00
45.00	2.50	0.08	0.00	300.00	2.50	0.08	0.00
50.00	2.50	0.08	0.00	305.00	2.50	0.08	0.00
55.00	2.50	0.08	0.00	310.00	2.50	0.08	0.00
60.00	2.50	0.08	0.00	315.00	2.50	0.08	0.00
65.00	2.50	0.08	0.00	320.00	2.50	0.08	0.00
70.00	2.50	0.08	0.00	325.00	2.50	0.08	0.00
75.00	2.50	0.08	0.00	330.00	2.50	0.08	0.00
80.00	2.50	0.08	0.00	335.00	2.50	0.08	0.00
85.00	2.50	0.08	0.00	340.00	2.50	0.08	0.00
90.00	2.50	0.08	0.00	345.00	2.50	0.08	0.00
95.00	2.50	0.08	0.00	350.00	2.50	0.08	0.00
100.00	2.50	0.08	0.00	355.00	2.50	0.08	0.00
105.00	2.50	0.08	0.00	360.00	2.50	0.08	0.00
110.00	2.50	0.08	0.00	365.00	2.50	0.08	0.00
115.00	2.50	0.08	0.00	370.00	2.50	0.08	0.00
120.00	2.50	0.08	0.00	375.00	2.50	0.08	0.00
125.00	2.50	0.08	0.00	380.00	2.50	0.08	0.00
130.00	2.50	0.08	0.00	385.00	2.50	0.08	0.00
135.00	2.50	0.08	0.00	390.00	2.50	0.08	0.00
140.00	2.50	0.08	0.00	395.00	2.50	0.08	0.00
145.00	2.50	0.08	0.00	400.00	2.50	0.08	0.00
150.00	2.50	0.08	0.00	405.00	2.50	0.08	0.00
155.00	2.50	0.08	0.00	410.00	2.50	0.08	0.00
160.00	2.50	0.08	0.00	415.00	2.50	0.08	0.00
165.00	2.50	0.08	0.00	420.00	2.50	0.08	0.00
170.00	2.50	0.08	0.00	425.00	2.50	0.08	0.00
175.00	2.50	0.08	0.00	430.00	2.50	0.08	0.00
180.00	2.50	0.08	0.00	435.00	2.50	0.08	0.00
185.00	2.50	0.08	0.00	440.00	2.50	0.08	0.00
190.00	2.50	0.08	0.00	445.00	2.50	0.08	0.00
195.00	2.50	0.08	0.00	450.00	2.50	0.08	0.00
200.00	2.50	0.08	0.00	455.00	2.50	0.08	0.00
205.00	2.50	0.08	0.00	460.00	2.50	0.08	0.00
210.00	2.50	0.08	0.00	465.00	2.50	0.08	0.00
215.00	2.50	0.08	0.00	470.00	2.50	0.08	0.00
220.00	2.50	0.08	0.00	475.00	2.50	0.08	0.00
225.00	2.50	0.08	0.00	480.00	2.50	0.08	0.00
230.00	2.50	0.08	0.00	485.00	2.50	0.08	0.00
235.00	2.50	0.08	0.00	490.00	2.50	0.08	0.00
240.00	2.50	0.08	0.00	495.00	2.50	0.08	0.00
245.00	2.50	0.08	0.00	500.00	2.50	0.08	0.00
250.00	2.50	0.08	0.00				
255.00	2.50	0.08	0.00				

Summary for Subcatchment 2A: Post 2A - Offsite

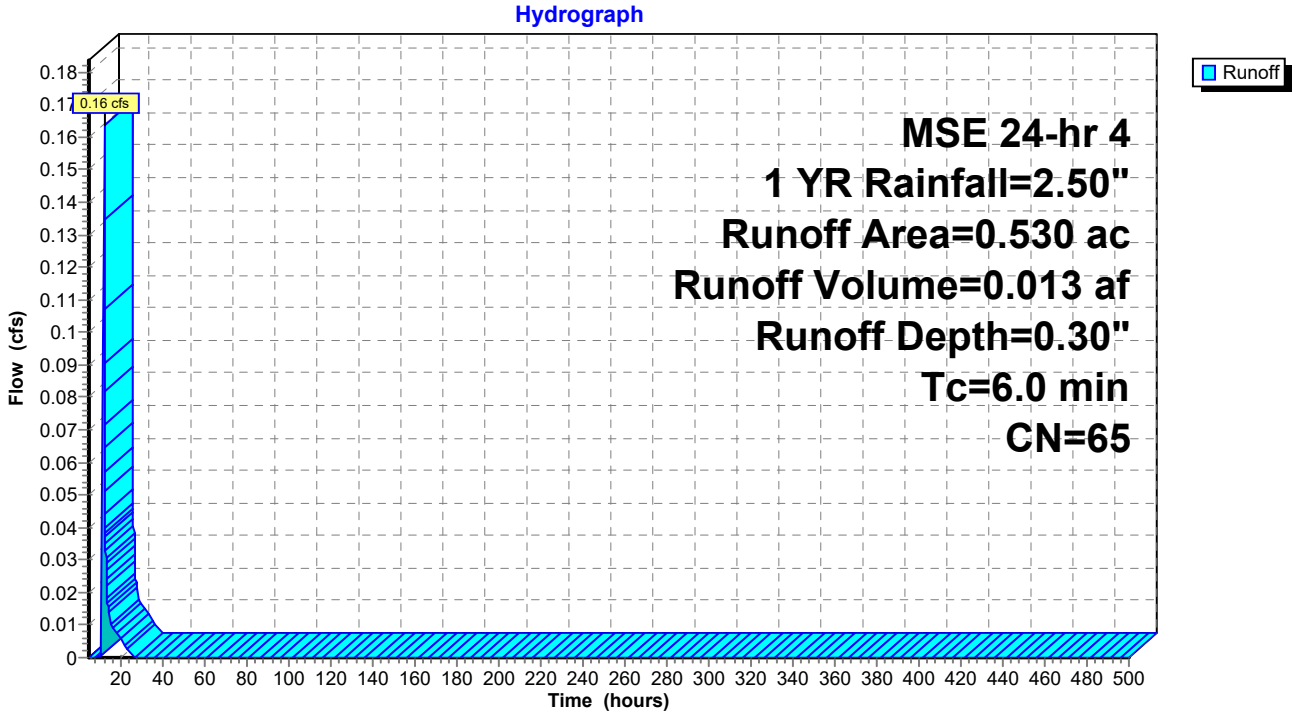
Runoff = 0.16 cfs @ 12.16 hrs, Volume= 0.013 af, Depth= 0.30"
Routed to Link 2L : Total Post - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	0.060	98	Impervious
*	0.470	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.530	65	Weighted Average
	0.470		88.68% Pervious Area
	0.060		11.32% Impervious Area

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

Subcatchment 2A: Post 2A - Offsite



Hydrograph for Subcatchment 2A: Post 2A - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.30	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.30	0.00
15.00	2.20	0.19	**0.01**	270.00	2.50	0.30	0.00
20.00	**2.42**	**0.27**	0.01	275.00	2.50	0.30	0.00
25.00	**2.50**	**0.30**	0.00	280.00	2.50	0.30	0.00
30.00	2.50	0.30	0.00	285.00	2.50	0.30	0.00
35.00	2.50	0.30	0.00	290.00	2.50	0.30	0.00
40.00	2.50	0.30	0.00	295.00	2.50	0.30	0.00
45.00	2.50	0.30	0.00	300.00	2.50	0.30	0.00
50.00	2.50	0.30	0.00	305.00	2.50	0.30	0.00
55.00	2.50	0.30	0.00	310.00	2.50	0.30	0.00
60.00	2.50	0.30	0.00	315.00	2.50	0.30	0.00
65.00	2.50	0.30	0.00	320.00	2.50	0.30	0.00
70.00	2.50	0.30	0.00	325.00	2.50	0.30	0.00
75.00	2.50	0.30	0.00	330.00	2.50	0.30	0.00
80.00	2.50	0.30	0.00	335.00	2.50	0.30	0.00
85.00	2.50	0.30	0.00	340.00	2.50	0.30	0.00
90.00	2.50	0.30	0.00	345.00	2.50	0.30	0.00
95.00	2.50	0.30	0.00	350.00	2.50	0.30	0.00
100.00	2.50	0.30	0.00	355.00	2.50	0.30	0.00
105.00	2.50	0.30	0.00	360.00	2.50	0.30	0.00
110.00	2.50	0.30	0.00	365.00	2.50	0.30	0.00
115.00	2.50	0.30	0.00	370.00	2.50	0.30	0.00
120.00	2.50	0.30	0.00	375.00	2.50	0.30	0.00
125.00	2.50	0.30	0.00	380.00	2.50	0.30	0.00
130.00	2.50	0.30	0.00	385.00	2.50	0.30	0.00
135.00	2.50	0.30	0.00	390.00	2.50	0.30	0.00
140.00	2.50	0.30	0.00	395.00	2.50	0.30	0.00
145.00	2.50	0.30	0.00	400.00	2.50	0.30	0.00
150.00	2.50	0.30	0.00	405.00	2.50	0.30	0.00
155.00	2.50	0.30	0.00	410.00	2.50	0.30	0.00
160.00	2.50	0.30	0.00	415.00	2.50	0.30	0.00
165.00	2.50	0.30	0.00	420.00	2.50	0.30	0.00
170.00	2.50	0.30	0.00	425.00	2.50	0.30	0.00
175.00	2.50	0.30	0.00	430.00	2.50	0.30	0.00
180.00	2.50	0.30	0.00	435.00	2.50	0.30	0.00
185.00	2.50	0.30	0.00	440.00	2.50	0.30	0.00
190.00	2.50	0.30	0.00	445.00	2.50	0.30	0.00
195.00	2.50	0.30	0.00	450.00	2.50	0.30	0.00
200.00	2.50	0.30	0.00	455.00	2.50	0.30	0.00
205.00	2.50	0.30	0.00	460.00	2.50	0.30	0.00
210.00	2.50	0.30	0.00	465.00	2.50	0.30	0.00
215.00	2.50	0.30	0.00	470.00	2.50	0.30	0.00
220.00	2.50	0.30	0.00	475.00	2.50	0.30	0.00
225.00	2.50	0.30	0.00	480.00	2.50	0.30	0.00
230.00	2.50	0.30	0.00	485.00	2.50	0.30	0.00
235.00	2.50	0.30	0.00	490.00	2.50	0.30	0.00
240.00	2.50	0.30	0.00	495.00	2.50	0.30	0.00
245.00	2.50	0.30	0.00	500.00	2.50	0.30	0.00
250.00	2.50	0.30	0.00				
255.00	2.50	0.30	0.00				

Summary for Subcatchment 3: Pre - North

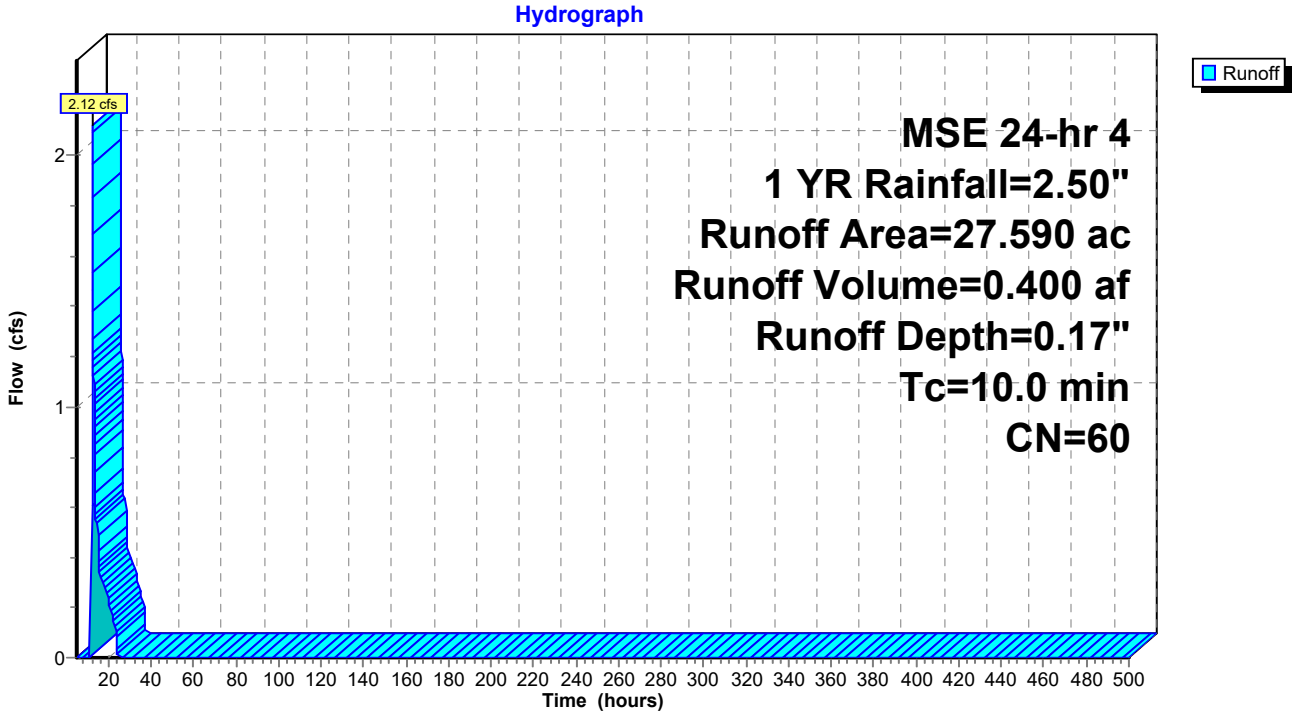
Runoff = 2.12 cfs @ 12.34 hrs, Volume= 0.400 af, Depth= 0.17"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	18.190	55	Pre Dev - B Soils
*	9.400	70	Pre Dev - C Soils
	27.590	60	Weighted Average
	27.590		100.00% Pervious Area

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

Subcatchment 3: Pre - North



Hydrograph for Subcatchment 3: Pre - North

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00
10.00	0.40	0.00	**0.00**
15.00	2.20	0.10	**0.53**
20.00	**2.42**	**0.15**	0.23
25.00	**2.50**	**0.17**	0.00
30.00	2.50	0.17	0.00
35.00	2.50	0.17	0.00
40.00	2.50	0.17	0.00
45.00	2.50	0.17	0.00
50.00	2.50	0.17	0.00
55.00	2.50	0.17	0.00
60.00	2.50	0.17	0.00
65.00	2.50	0.17	0.00
70.00	2.50	0.17	0.00
75.00	2.50	0.17	0.00
80.00	2.50	0.17	0.00
85.00	2.50	0.17	0.00
90.00	2.50	0.17	0.00
95.00	2.50	0.17	0.00
100.00	2.50	0.17	0.00
105.00	2.50	0.17	0.00
110.00	2.50	0.17	0.00
115.00	2.50	0.17	0.00
120.00	2.50	0.17	0.00
125.00	2.50	0.17	0.00
130.00	2.50	0.17	0.00
135.00	2.50	0.17	0.00
140.00	2.50	0.17	0.00
145.00	2.50	0.17	0.00
150.00	2.50	0.17	0.00
155.00	2.50	0.17	0.00
160.00	2.50	0.17	0.00
165.00	2.50	0.17	0.00
170.00	2.50	0.17	0.00
175.00	2.50	0.17	0.00
180.00	2.50	0.17	0.00
185.00	2.50	0.17	0.00
190.00	2.50	0.17	0.00
195.00	2.50	0.17	0.00
200.00	2.50	0.17	0.00
205.00	2.50	0.17	0.00
210.00	2.50	0.17	0.00
215.00	2.50	0.17	0.00
220.00	2.50	0.17	0.00
225.00	2.50	0.17	0.00
230.00	2.50	0.17	0.00
235.00	2.50	0.17	0.00
240.00	2.50	0.17	0.00
245.00	2.50	0.17	0.00
250.00	2.50	0.17	0.00
255.00	2.50	0.17	0.00
260.00	2.50	0.17	0.00
265.00	2.50	0.17	0.00
270.00	2.50	0.17	0.00
275.00	2.50	0.17	0.00
280.00	2.50	0.17	0.00
285.00	2.50	0.17	0.00
290.00	2.50	0.17	0.00
295.00	2.50	0.17	0.00
300.00	2.50	0.17	0.00
305.00	2.50	0.17	0.00
310.00	2.50	0.17	0.00
315.00	2.50	0.17	0.00
320.00	2.50	0.17	0.00
325.00	2.50	0.17	0.00
330.00	2.50	0.17	0.00
335.00	2.50	0.17	0.00
340.00	2.50	0.17	0.00
345.00	2.50	0.17	0.00
350.00	2.50	0.17	0.00
355.00	2.50	0.17	0.00
360.00	2.50	0.17	0.00
365.00	2.50	0.17	0.00
370.00	2.50	0.17	0.00
375.00	2.50	0.17	0.00
380.00	2.50	0.17	0.00
385.00	2.50	0.17	0.00
390.00	2.50	0.17	0.00
395.00	2.50	0.17	0.00
400.00	2.50	0.17	0.00
405.00	2.50	0.17	0.00
410.00	2.50	0.17	0.00
415.00	2.50	0.17	0.00
420.00	2.50	0.17	0.00
425.00	2.50	0.17	0.00
430.00	2.50	0.17	0.00
435.00	2.50	0.17	0.00
440.00	2.50	0.17	0.00
445.00	2.50	0.17	0.00
450.00	2.50	0.17	0.00
455.00	2.50	0.17	0.00
460.00	2.50	0.17	0.00
465.00	2.50	0.17	0.00
470.00	2.50	0.17	0.00
475.00	2.50	0.17	0.00
480.00	2.50	0.17	0.00
485.00	2.50	0.17	0.00
490.00	2.50	0.17	0.00
495.00	2.50	0.17	0.00
500.00	2.50	0.17	0.00

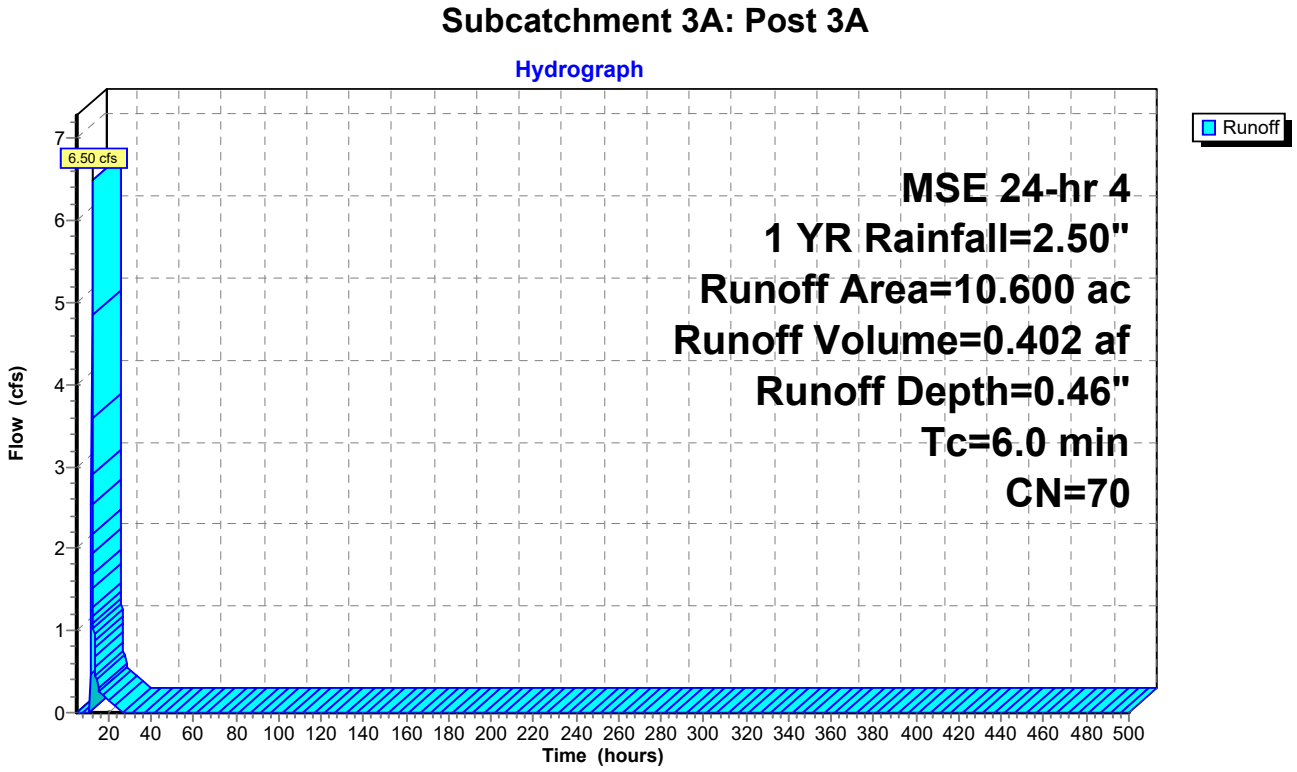
Summary for Subcatchment 3A: Post 3A

Runoff = 6.50 cfs @ 12.15 hrs, Volume= 0.402 af, Depth= 0.46"
Routed to Pond P3A : Pond 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	1.970	98	Impervious
*	6.570	61	Post - B Soils
*	2.060	74	Post - C Soils
	10.600	70	Weighted Average
	8.630		81.42% Pervious Area
	1.970		18.58% Impervious Area

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



Hydrograph for Subcatchment 3A: Post 3A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00
10.00	0.40	0.00	**0.00**
15.00	2.20	0.32	**0.40**
20.00	**2.42**	**0.42**	0.16
25.00	**2.50**	**0.46**	0.00
30.00	2.50	0.46	0.00
35.00	2.50	0.46	0.00
40.00	2.50	0.46	0.00
45.00	2.50	0.46	0.00
50.00	2.50	0.46	0.00
55.00	2.50	0.46	0.00
60.00	2.50	0.46	0.00
65.00	2.50	0.46	0.00
70.00	2.50	0.46	0.00
75.00	2.50	0.46	0.00
80.00	2.50	0.46	0.00
85.00	2.50	0.46	0.00
90.00	2.50	0.46	0.00
95.00	2.50	0.46	0.00
100.00	2.50	0.46	0.00
105.00	2.50	0.46	0.00
110.00	2.50	0.46	0.00
115.00	2.50	0.46	0.00
120.00	2.50	0.46	0.00
125.00	2.50	0.46	0.00
130.00	2.50	0.46	0.00
135.00	2.50	0.46	0.00
140.00	2.50	0.46	0.00
145.00	2.50	0.46	0.00
150.00	2.50	0.46	0.00
155.00	2.50	0.46	0.00
160.00	2.50	0.46	0.00
165.00	2.50	0.46	0.00
170.00	2.50	0.46	0.00
175.00	2.50	0.46	0.00
180.00	2.50	0.46	0.00
185.00	2.50	0.46	0.00
190.00	2.50	0.46	0.00
195.00	2.50	0.46	0.00
200.00	2.50	0.46	0.00
205.00	2.50	0.46	0.00
210.00	2.50	0.46	0.00
215.00	2.50	0.46	0.00
220.00	2.50	0.46	0.00
225.00	2.50	0.46	0.00
230.00	2.50	0.46	0.00
235.00	2.50	0.46	0.00
240.00	2.50	0.46	0.00
245.00	2.50	0.46	0.00
250.00	2.50	0.46	0.00
255.00	2.50	0.46	0.00
260.00	2.50	0.46	0.00
265.00	2.50	0.46	0.00
270.00	2.50	0.46	0.00
275.00	2.50	0.46	0.00
280.00	2.50	0.46	0.00
285.00	2.50	0.46	0.00
290.00	2.50	0.46	0.00
295.00	2.50	0.46	0.00
300.00	2.50	0.46	0.00
305.00	2.50	0.46	0.00
310.00	2.50	0.46	0.00
315.00	2.50	0.46	0.00
320.00	2.50	0.46	0.00
325.00	2.50	0.46	0.00
330.00	2.50	0.46	0.00
335.00	2.50	0.46	0.00
340.00	2.50	0.46	0.00
345.00	2.50	0.46	0.00
350.00	2.50	0.46	0.00
355.00	2.50	0.46	0.00
360.00	2.50	0.46	0.00
365.00	2.50	0.46	0.00
370.00	2.50	0.46	0.00
375.00	2.50	0.46	0.00
380.00	2.50	0.46	0.00
385.00	2.50	0.46	0.00
390.00	2.50	0.46	0.00
395.00	2.50	0.46	0.00
400.00	2.50	0.46	0.00
405.00	2.50	0.46	0.00
410.00	2.50	0.46	0.00
415.00	2.50	0.46	0.00
420.00	2.50	0.46	0.00
425.00	2.50	0.46	0.00
430.00	2.50	0.46	0.00
435.00	2.50	0.46	0.00
440.00	2.50	0.46	0.00
445.00	2.50	0.46	0.00
450.00	2.50	0.46	0.00
455.00	2.50	0.46	0.00
460.00	2.50	0.46	0.00
465.00	2.50	0.46	0.00
470.00	2.50	0.46	0.00
475.00	2.50	0.46	0.00
480.00	2.50	0.46	0.00
485.00	2.50	0.46	0.00
490.00	2.50	0.46	0.00
495.00	2.50	0.46	0.00
500.00	2.50	0.46	0.00

Summary for Subcatchment 3B: Post 3B

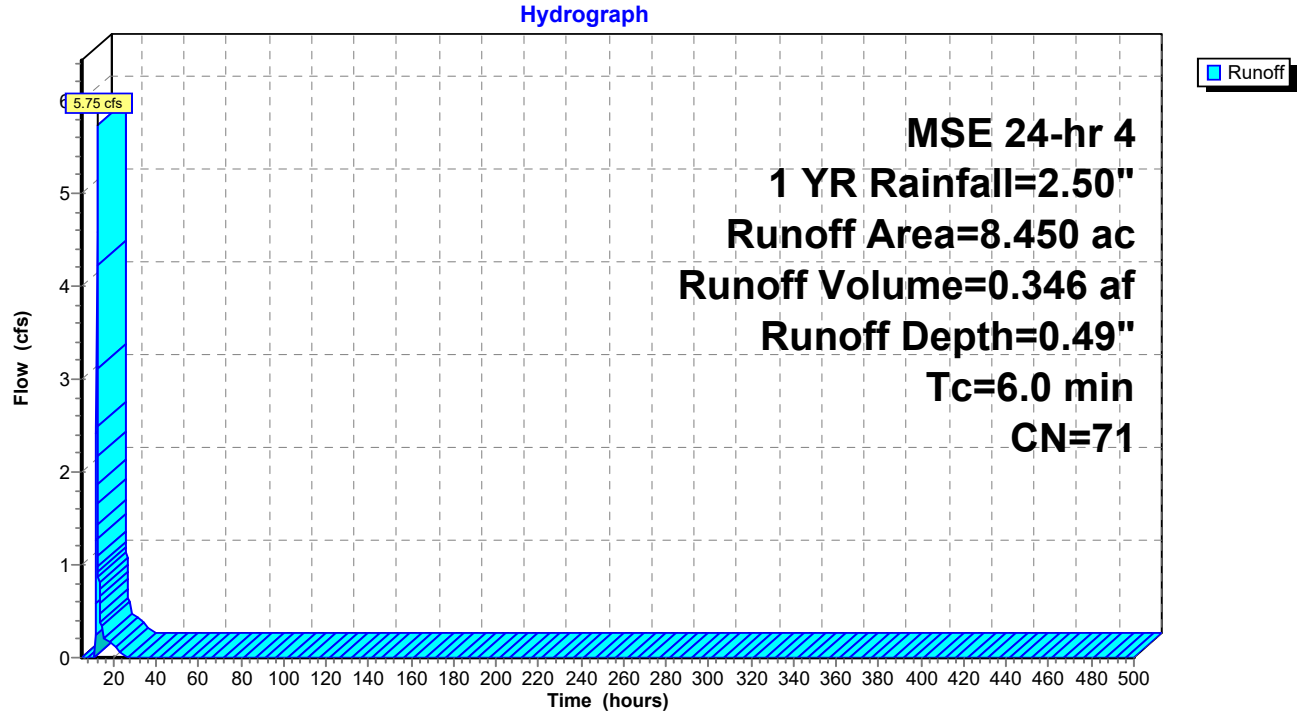
Runoff = 5.75 cfs @ 12.15 hrs, Volume= 0.346 af, Depth= 0.49"
Routed to Pond P3B : Pond 3B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	1.680	98	Impervious
*	5.290	61	Post - B Soils
*	1.480	74	Post - C Soils
	8.450	71	Weighted Average
	6.770		80.12% Pervious Area
	1.680		19.88% Impervious Area

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

Subcatchment 3B: Post 3B



Hydrograph for Subcatchment 3B: Post 3B

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.49	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.49	0.00
15.00	2.20	0.35	**0.33**	270.00	2.50	0.49	0.00
20.00	**2.42**	**0.45**	0.13	275.00	2.50	0.49	0.00
25.00	**2.50**	**0.49**	0.00	280.00	2.50	0.49	0.00
30.00	2.50	0.49	0.00	285.00	2.50	0.49	0.00
35.00	2.50	0.49	0.00	290.00	2.50	0.49	0.00
40.00	2.50	0.49	0.00	295.00	2.50	0.49	0.00
45.00	2.50	0.49	0.00	300.00	2.50	0.49	0.00
50.00	2.50	0.49	0.00	305.00	2.50	0.49	0.00
55.00	2.50	0.49	0.00	310.00	2.50	0.49	0.00
60.00	2.50	0.49	0.00	315.00	2.50	0.49	0.00
65.00	2.50	0.49	0.00	320.00	2.50	0.49	0.00
70.00	2.50	0.49	0.00	325.00	2.50	0.49	0.00
75.00	2.50	0.49	0.00	330.00	2.50	0.49	0.00
80.00	2.50	0.49	0.00	335.00	2.50	0.49	0.00
85.00	2.50	0.49	0.00	340.00	2.50	0.49	0.00
90.00	2.50	0.49	0.00	345.00	2.50	0.49	0.00
95.00	2.50	0.49	0.00	350.00	2.50	0.49	0.00
100.00	2.50	0.49	0.00	355.00	2.50	0.49	0.00
105.00	2.50	0.49	0.00	360.00	2.50	0.49	0.00
110.00	2.50	0.49	0.00	365.00	2.50	0.49	0.00
115.00	2.50	0.49	0.00	370.00	2.50	0.49	0.00
120.00	2.50	0.49	0.00	375.00	2.50	0.49	0.00
125.00	2.50	0.49	0.00	380.00	2.50	0.49	0.00
130.00	2.50	0.49	0.00	385.00	2.50	0.49	0.00
135.00	2.50	0.49	0.00	390.00	2.50	0.49	0.00
140.00	2.50	0.49	0.00	395.00	2.50	0.49	0.00
145.00	2.50	0.49	0.00	400.00	2.50	0.49	0.00
150.00	2.50	0.49	0.00	405.00	2.50	0.49	0.00
155.00	2.50	0.49	0.00	410.00	2.50	0.49	0.00
160.00	2.50	0.49	0.00	415.00	2.50	0.49	0.00
165.00	2.50	0.49	0.00	420.00	2.50	0.49	0.00
170.00	2.50	0.49	0.00	425.00	2.50	0.49	0.00
175.00	2.50	0.49	0.00	430.00	2.50	0.49	0.00
180.00	2.50	0.49	0.00	435.00	2.50	0.49	0.00
185.00	2.50	0.49	0.00	440.00	2.50	0.49	0.00
190.00	2.50	0.49	0.00	445.00	2.50	0.49	0.00
195.00	2.50	0.49	0.00	450.00	2.50	0.49	0.00
200.00	2.50	0.49	0.00	455.00	2.50	0.49	0.00
205.00	2.50	0.49	0.00	460.00	2.50	0.49	0.00
210.00	2.50	0.49	0.00	465.00	2.50	0.49	0.00
215.00	2.50	0.49	0.00	470.00	2.50	0.49	0.00
220.00	2.50	0.49	0.00	475.00	2.50	0.49	0.00
225.00	2.50	0.49	0.00	480.00	2.50	0.49	0.00
230.00	2.50	0.49	0.00	485.00	2.50	0.49	0.00
235.00	2.50	0.49	0.00	490.00	2.50	0.49	0.00
240.00	2.50	0.49	0.00	495.00	2.50	0.49	0.00
245.00	2.50	0.49	0.00	500.00	2.50	0.49	0.00
250.00	2.50	0.49	0.00				
255.00	2.50	0.49	0.00				

Summary for Subcatchment 3C: Post 3C

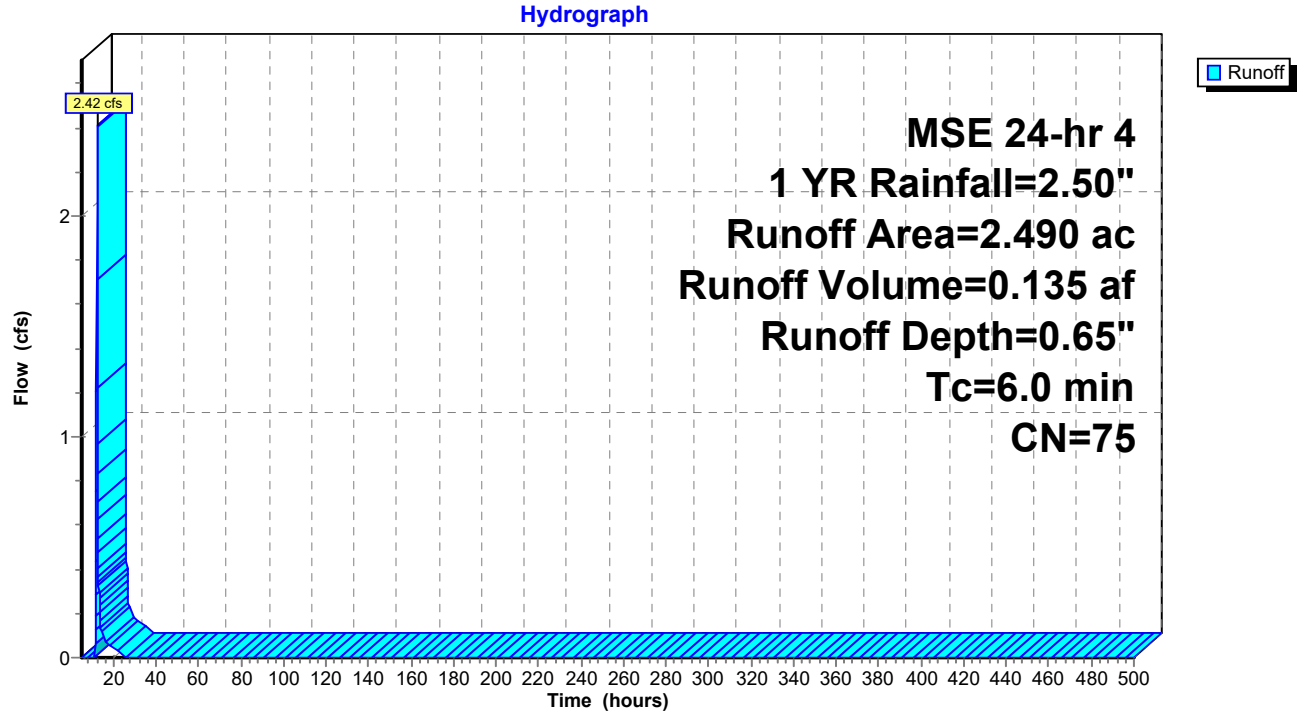
Runoff = 2.42 cfs @ 12.14 hrs, Volume= 0.135 af, Depth= 0.65"
Routed to Pond P3C : Pond 3C

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.800	61	Post - B Soils
*	1.120	74	Post - C Soils
	2.490	75	Weighted Average
	1.920		77.11% Pervious Area
	0.570		22.89% Impervious Area

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

Subcatchment 3C: Post 3C



Hydrograph for Subcatchment 3C: Post 3C

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.65	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.65	0.00
15.00	2.20	0.48	**0.12**	270.00	2.50	0.65	0.00
20.00	**2.42**	**0.60**	0.05	275.00	2.50	0.65	0.00
25.00	**2.50**	**0.65**	0.00	280.00	2.50	0.65	0.00
30.00	2.50	0.65	0.00	285.00	2.50	0.65	0.00
35.00	2.50	0.65	0.00	290.00	2.50	0.65	0.00
40.00	2.50	0.65	0.00	295.00	2.50	0.65	0.00
45.00	2.50	0.65	0.00	300.00	2.50	0.65	0.00
50.00	2.50	0.65	0.00	305.00	2.50	0.65	0.00
55.00	2.50	0.65	0.00	310.00	2.50	0.65	0.00
60.00	2.50	0.65	0.00	315.00	2.50	0.65	0.00
65.00	2.50	0.65	0.00	320.00	2.50	0.65	0.00
70.00	2.50	0.65	0.00	325.00	2.50	0.65	0.00
75.00	2.50	0.65	0.00	330.00	2.50	0.65	0.00
80.00	2.50	0.65	0.00	335.00	2.50	0.65	0.00
85.00	2.50	0.65	0.00	340.00	2.50	0.65	0.00
90.00	2.50	0.65	0.00	345.00	2.50	0.65	0.00
95.00	2.50	0.65	0.00	350.00	2.50	0.65	0.00
100.00	2.50	0.65	0.00	355.00	2.50	0.65	0.00
105.00	2.50	0.65	0.00	360.00	2.50	0.65	0.00
110.00	2.50	0.65	0.00	365.00	2.50	0.65	0.00
115.00	2.50	0.65	0.00	370.00	2.50	0.65	0.00
120.00	2.50	0.65	0.00	375.00	2.50	0.65	0.00
125.00	2.50	0.65	0.00	380.00	2.50	0.65	0.00
130.00	2.50	0.65	0.00	385.00	2.50	0.65	0.00
135.00	2.50	0.65	0.00	390.00	2.50	0.65	0.00
140.00	2.50	0.65	0.00	395.00	2.50	0.65	0.00
145.00	2.50	0.65	0.00	400.00	2.50	0.65	0.00
150.00	2.50	0.65	0.00	405.00	2.50	0.65	0.00
155.00	2.50	0.65	0.00	410.00	2.50	0.65	0.00
160.00	2.50	0.65	0.00	415.00	2.50	0.65	0.00
165.00	2.50	0.65	0.00	420.00	2.50	0.65	0.00
170.00	2.50	0.65	0.00	425.00	2.50	0.65	0.00
175.00	2.50	0.65	0.00	430.00	2.50	0.65	0.00
180.00	2.50	0.65	0.00	435.00	2.50	0.65	0.00
185.00	2.50	0.65	0.00	440.00	2.50	0.65	0.00
190.00	2.50	0.65	0.00	445.00	2.50	0.65	0.00
195.00	2.50	0.65	0.00	450.00	2.50	0.65	0.00
200.00	2.50	0.65	0.00	455.00	2.50	0.65	0.00
205.00	2.50	0.65	0.00	460.00	2.50	0.65	0.00
210.00	2.50	0.65	0.00	465.00	2.50	0.65	0.00
215.00	2.50	0.65	0.00	470.00	2.50	0.65	0.00
220.00	2.50	0.65	0.00	475.00	2.50	0.65	0.00
225.00	2.50	0.65	0.00	480.00	2.50	0.65	0.00
230.00	2.50	0.65	0.00	485.00	2.50	0.65	0.00
235.00	2.50	0.65	0.00	490.00	2.50	0.65	0.00
240.00	2.50	0.65	0.00	495.00	2.50	0.65	0.00
245.00	2.50	0.65	0.00	500.00	2.50	0.65	0.00
250.00	2.50	0.65	0.00				
255.00	2.50	0.65	0.00				

Summary for Subcatchment 3D: Post 3D

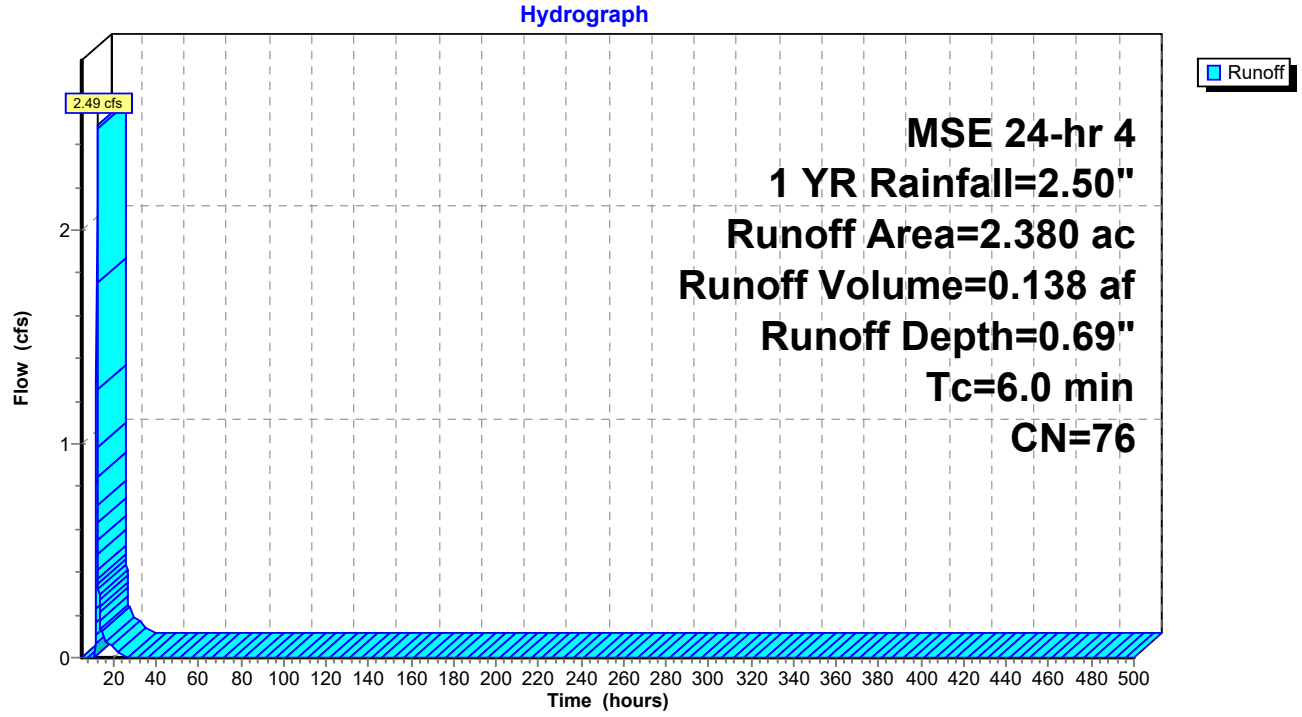
Runoff = 2.49 cfs @ 12.14 hrs, Volume= 0.138 af, Depth= 0.69"
Routed to Pond P3D : Pond 3D

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.610	61	Post - B Soils
*	1.200	74	Post - C Soils
	2.380	76	Weighted Average
	1.810		76.05% Pervious Area
	0.570		23.95% Impervious Area

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

Subcatchment 3D: Post 3D



Hydrograph for Subcatchment 3D: Post 3D

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.69	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.69	0.00
15.00	2.20	0.52	**0.12**	270.00	2.50	0.69	0.00
20.00	**2.42**	**0.65**	0.04	275.00	2.50	0.69	0.00
25.00	**2.50**	**0.69**	0.00	280.00	2.50	0.69	0.00
30.00	2.50	0.69	0.00	285.00	2.50	0.69	0.00
35.00	2.50	0.69	0.00	290.00	2.50	0.69	0.00
40.00	2.50	0.69	0.00	295.00	2.50	0.69	0.00
45.00	2.50	0.69	0.00	300.00	2.50	0.69	0.00
50.00	2.50	0.69	0.00	305.00	2.50	0.69	0.00
55.00	2.50	0.69	0.00	310.00	2.50	0.69	0.00
60.00	2.50	0.69	0.00	315.00	2.50	0.69	0.00
65.00	2.50	0.69	0.00	320.00	2.50	0.69	0.00
70.00	2.50	0.69	0.00	325.00	2.50	0.69	0.00
75.00	2.50	0.69	0.00	330.00	2.50	0.69	0.00
80.00	2.50	0.69	0.00	335.00	2.50	0.69	0.00
85.00	2.50	0.69	0.00	340.00	2.50	0.69	0.00
90.00	2.50	0.69	0.00	345.00	2.50	0.69	0.00
95.00	2.50	0.69	0.00	350.00	2.50	0.69	0.00
100.00	2.50	0.69	0.00	355.00	2.50	0.69	0.00
105.00	2.50	0.69	0.00	360.00	2.50	0.69	0.00
110.00	2.50	0.69	0.00	365.00	2.50	0.69	0.00
115.00	2.50	0.69	0.00	370.00	2.50	0.69	0.00
120.00	2.50	0.69	0.00	375.00	2.50	0.69	0.00
125.00	2.50	0.69	0.00	380.00	2.50	0.69	0.00
130.00	2.50	0.69	0.00	385.00	2.50	0.69	0.00
135.00	2.50	0.69	0.00	390.00	2.50	0.69	0.00
140.00	2.50	0.69	0.00	395.00	2.50	0.69	0.00
145.00	2.50	0.69	0.00	400.00	2.50	0.69	0.00
150.00	2.50	0.69	0.00	405.00	2.50	0.69	0.00
155.00	2.50	0.69	0.00	410.00	2.50	0.69	0.00
160.00	2.50	0.69	0.00	415.00	2.50	0.69	0.00
165.00	2.50	0.69	0.00	420.00	2.50	0.69	0.00
170.00	2.50	0.69	0.00	425.00	2.50	0.69	0.00
175.00	2.50	0.69	0.00	430.00	2.50	0.69	0.00
180.00	2.50	0.69	0.00	435.00	2.50	0.69	0.00
185.00	2.50	0.69	0.00	440.00	2.50	0.69	0.00
190.00	2.50	0.69	0.00	445.00	2.50	0.69	0.00
195.00	2.50	0.69	0.00	450.00	2.50	0.69	0.00
200.00	2.50	0.69	0.00	455.00	2.50	0.69	0.00
205.00	2.50	0.69	0.00	460.00	2.50	0.69	0.00
210.00	2.50	0.69	0.00	465.00	2.50	0.69	0.00
215.00	2.50	0.69	0.00	470.00	2.50	0.69	0.00
220.00	2.50	0.69	0.00	475.00	2.50	0.69	0.00
225.00	2.50	0.69	0.00	480.00	2.50	0.69	0.00
230.00	2.50	0.69	0.00	485.00	2.50	0.69	0.00
235.00	2.50	0.69	0.00	490.00	2.50	0.69	0.00
240.00	2.50	0.69	0.00	495.00	2.50	0.69	0.00
245.00	2.50	0.69	0.00	500.00	2.50	0.69	0.00
250.00	2.50	0.69	0.00				
255.00	2.50	0.69	0.00				

Summary for Subcatchment 3E: Post 3E

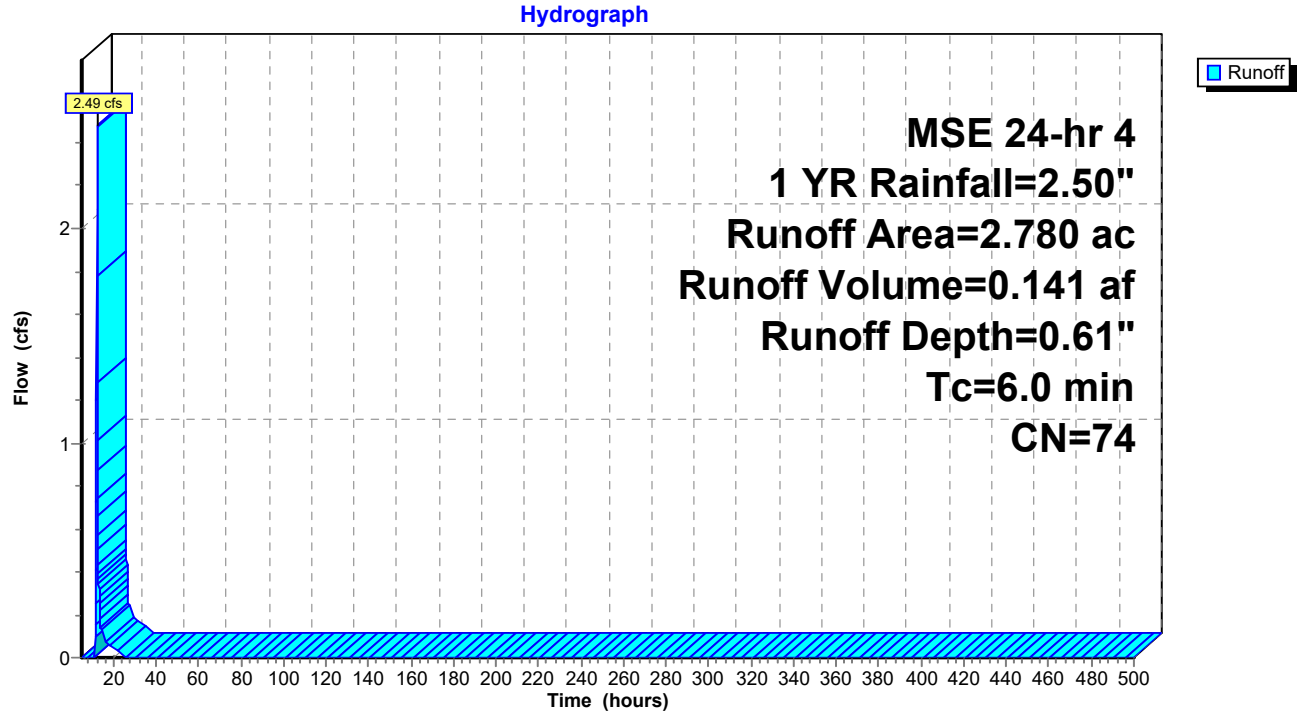
Runoff = 2.49 cfs @ 12.14 hrs, Volume= 0.141 af, Depth= 0.61"
Routed to Pond P3E : Pond 3E

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	0.530	98	Impervious
*	0.920	61	Post - B Soils
*	1.330	74	Post - C Soils
	2.780	74	Weighted Average
	2.250		80.94% Pervious Area
	0.530		19.06% Impervious Area

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

Subcatchment 3E: Post 3E



Hydrograph for Subcatchment 3E: Post 3E

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.61	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.61	0.00
15.00	2.20	0.45	**0.13**	270.00	2.50	0.61	0.00
20.00	**2.42**	**0.56**	0.05	275.00	2.50	0.61	0.00
25.00	**2.50**	**0.61**	0.00	280.00	2.50	0.61	0.00
30.00	2.50	0.61	0.00	285.00	2.50	0.61	0.00
35.00	2.50	0.61	0.00	290.00	2.50	0.61	0.00
40.00	2.50	0.61	0.00	295.00	2.50	0.61	0.00
45.00	2.50	0.61	0.00	300.00	2.50	0.61	0.00
50.00	2.50	0.61	0.00	305.00	2.50	0.61	0.00
55.00	2.50	0.61	0.00	310.00	2.50	0.61	0.00
60.00	2.50	0.61	0.00	315.00	2.50	0.61	0.00
65.00	2.50	0.61	0.00	320.00	2.50	0.61	0.00
70.00	2.50	0.61	0.00	325.00	2.50	0.61	0.00
75.00	2.50	0.61	0.00	330.00	2.50	0.61	0.00
80.00	2.50	0.61	0.00	335.00	2.50	0.61	0.00
85.00	2.50	0.61	0.00	340.00	2.50	0.61	0.00
90.00	2.50	0.61	0.00	345.00	2.50	0.61	0.00
95.00	2.50	0.61	0.00	350.00	2.50	0.61	0.00
100.00	2.50	0.61	0.00	355.00	2.50	0.61	0.00
105.00	2.50	0.61	0.00	360.00	2.50	0.61	0.00
110.00	2.50	0.61	0.00	365.00	2.50	0.61	0.00
115.00	2.50	0.61	0.00	370.00	2.50	0.61	0.00
120.00	2.50	0.61	0.00	375.00	2.50	0.61	0.00
125.00	2.50	0.61	0.00	380.00	2.50	0.61	0.00
130.00	2.50	0.61	0.00	385.00	2.50	0.61	0.00
135.00	2.50	0.61	0.00	390.00	2.50	0.61	0.00
140.00	2.50	0.61	0.00	395.00	2.50	0.61	0.00
145.00	2.50	0.61	0.00	400.00	2.50	0.61	0.00
150.00	2.50	0.61	0.00	405.00	2.50	0.61	0.00
155.00	2.50	0.61	0.00	410.00	2.50	0.61	0.00
160.00	2.50	0.61	0.00	415.00	2.50	0.61	0.00
165.00	2.50	0.61	0.00	420.00	2.50	0.61	0.00
170.00	2.50	0.61	0.00	425.00	2.50	0.61	0.00
175.00	2.50	0.61	0.00	430.00	2.50	0.61	0.00
180.00	2.50	0.61	0.00	435.00	2.50	0.61	0.00
185.00	2.50	0.61	0.00	440.00	2.50	0.61	0.00
190.00	2.50	0.61	0.00	445.00	2.50	0.61	0.00
195.00	2.50	0.61	0.00	450.00	2.50	0.61	0.00
200.00	2.50	0.61	0.00	455.00	2.50	0.61	0.00
205.00	2.50	0.61	0.00	460.00	2.50	0.61	0.00
210.00	2.50	0.61	0.00	465.00	2.50	0.61	0.00
215.00	2.50	0.61	0.00	470.00	2.50	0.61	0.00
220.00	2.50	0.61	0.00	475.00	2.50	0.61	0.00
225.00	2.50	0.61	0.00	480.00	2.50	0.61	0.00
230.00	2.50	0.61	0.00	485.00	2.50	0.61	0.00
235.00	2.50	0.61	0.00	490.00	2.50	0.61	0.00
240.00	2.50	0.61	0.00	495.00	2.50	0.61	0.00
245.00	2.50	0.61	0.00	500.00	2.50	0.61	0.00
250.00	2.50	0.61	0.00				
255.00	2.50	0.61	0.00				

Summary for Subcatchment 3Y: Post 3Y - Offsite

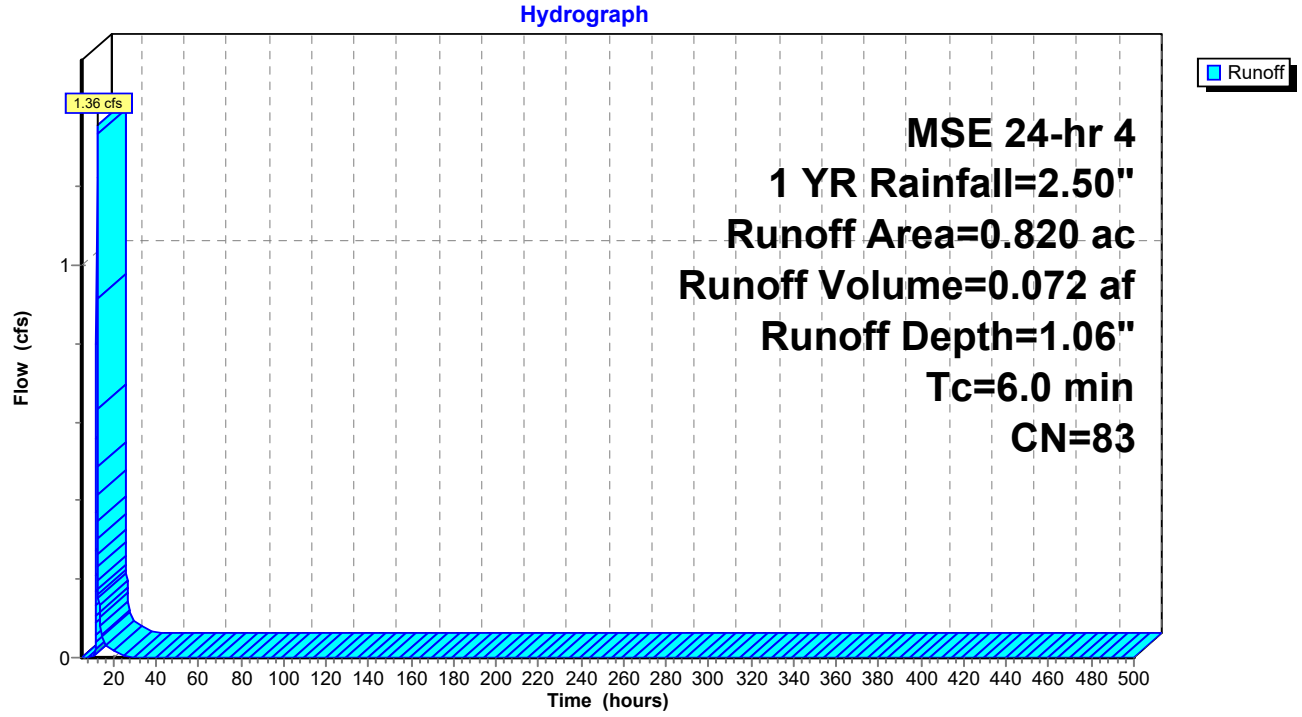
Runoff = 1.36 cfs @ 12.14 hrs, Volume= 0.072 af, Depth= 1.06"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	0.300	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.820	83	Weighted Average
	0.520		63.41% Pervious Area
	0.300		36.59% Impervious Area

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

Subcatchment 3Y: Post 3Y - Offsite



Hydrograph for Subcatchment 3Y: Post 3Y - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00
10.00	0.40	0.00	**0.00**
15.00	2.20	0.83	**0.05**
20.00	**2.42**	**0.99**	0.02
25.00	**2.50**	**1.06**	0.00
30.00	2.50	1.06	0.00
35.00	2.50	1.06	0.00
40.00	2.50	1.06	0.00
45.00	2.50	1.06	0.00
50.00	2.50	1.06	0.00
55.00	2.50	1.06	0.00
60.00	2.50	1.06	0.00
65.00	2.50	1.06	0.00
70.00	2.50	1.06	0.00
75.00	2.50	1.06	0.00
80.00	2.50	1.06	0.00
85.00	2.50	1.06	0.00
90.00	2.50	1.06	0.00
95.00	2.50	1.06	0.00
100.00	2.50	1.06	0.00
105.00	2.50	1.06	0.00
110.00	2.50	1.06	0.00
115.00	2.50	1.06	0.00
120.00	2.50	1.06	0.00
125.00	2.50	1.06	0.00
130.00	2.50	1.06	0.00
135.00	2.50	1.06	0.00
140.00	2.50	1.06	0.00
145.00	2.50	1.06	0.00
150.00	2.50	1.06	0.00
155.00	2.50	1.06	0.00
160.00	2.50	1.06	0.00
165.00	2.50	1.06	0.00
170.00	2.50	1.06	0.00
175.00	2.50	1.06	0.00
180.00	2.50	1.06	0.00
185.00	2.50	1.06	0.00
190.00	2.50	1.06	0.00
195.00	2.50	1.06	0.00
200.00	2.50	1.06	0.00
205.00	2.50	1.06	0.00
210.00	2.50	1.06	0.00
215.00	2.50	1.06	0.00
220.00	2.50	1.06	0.00
225.00	2.50	1.06	0.00
230.00	2.50	1.06	0.00
235.00	2.50	1.06	0.00
240.00	2.50	1.06	0.00
245.00	2.50	1.06	0.00
250.00	2.50	1.06	0.00
255.00	2.50	1.06	0.00
260.00	2.50	1.06	0.00
265.00	2.50	1.06	0.00
270.00	2.50	1.06	0.00
275.00	2.50	1.06	0.00
280.00	2.50	1.06	0.00
285.00	2.50	1.06	0.00
290.00	2.50	1.06	0.00
295.00	2.50	1.06	0.00
300.00	2.50	1.06	0.00
305.00	2.50	1.06	0.00
310.00	2.50	1.06	0.00
315.00	2.50	1.06	0.00
320.00	2.50	1.06	0.00
325.00	2.50	1.06	0.00
330.00	2.50	1.06	0.00
335.00	2.50	1.06	0.00
340.00	2.50	1.06	0.00
345.00	2.50	1.06	0.00
350.00	2.50	1.06	0.00
355.00	2.50	1.06	0.00
360.00	2.50	1.06	0.00
365.00	2.50	1.06	0.00
370.00	2.50	1.06	0.00
375.00	2.50	1.06	0.00
380.00	2.50	1.06	0.00
385.00	2.50	1.06	0.00
390.00	2.50	1.06	0.00
395.00	2.50	1.06	0.00
400.00	2.50	1.06	0.00
405.00	2.50	1.06	0.00
410.00	2.50	1.06	0.00
415.00	2.50	1.06	0.00
420.00	2.50	1.06	0.00
425.00	2.50	1.06	0.00
430.00	2.50	1.06	0.00
435.00	2.50	1.06	0.00
440.00	2.50	1.06	0.00
445.00	2.50	1.06	0.00
450.00	2.50	1.06	0.00
455.00	2.50	1.06	0.00
460.00	2.50	1.06	0.00
465.00	2.50	1.06	0.00
470.00	2.50	1.06	0.00
475.00	2.50	1.06	0.00
480.00	2.50	1.06	0.00
485.00	2.50	1.06	0.00
490.00	2.50	1.06	0.00
495.00	2.50	1.06	0.00
500.00	2.50	1.06	0.00

Summary for Subcatchment 3Z: Post 3Z - Offsite

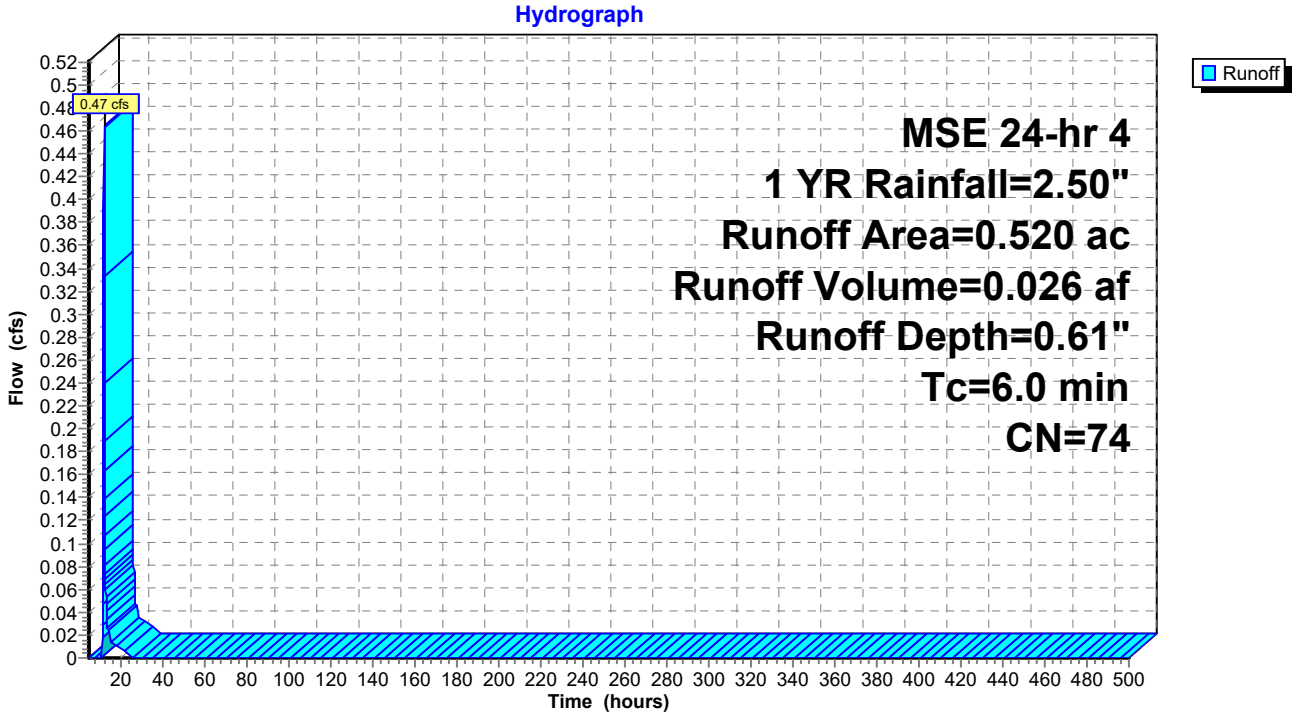
Runoff = 0.47 cfs @ 12.14 hrs, Volume= 0.026 af, Depth= 0.61"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (ac)	CN	Description
*	0.000	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.520	74	Weighted Average
	0.520		100.00% Pervious Area

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

Subcatchment 3Z: Post 3Z - Offsite



Hydrograph for Subcatchment 3Z: Post 3Z - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.61	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.61	0.00
15.00	2.20	0.45	**0.02**	270.00	2.50	0.61	0.00
20.00	**2.42**	**0.56**	0.01	275.00	2.50	0.61	0.00
25.00	**2.50**	**0.61**	0.00	280.00	2.50	0.61	0.00
30.00	2.50	0.61	0.00	285.00	2.50	0.61	0.00
35.00	2.50	0.61	0.00	290.00	2.50	0.61	0.00
40.00	2.50	0.61	0.00	295.00	2.50	0.61	0.00
45.00	2.50	0.61	0.00	300.00	2.50	0.61	0.00
50.00	2.50	0.61	0.00	305.00	2.50	0.61	0.00
55.00	2.50	0.61	0.00	310.00	2.50	0.61	0.00
60.00	2.50	0.61	0.00	315.00	2.50	0.61	0.00
65.00	2.50	0.61	0.00	320.00	2.50	0.61	0.00
70.00	2.50	0.61	0.00	325.00	2.50	0.61	0.00
75.00	2.50	0.61	0.00	330.00	2.50	0.61	0.00
80.00	2.50	0.61	0.00	335.00	2.50	0.61	0.00
85.00	2.50	0.61	0.00	340.00	2.50	0.61	0.00
90.00	2.50	0.61	0.00	345.00	2.50	0.61	0.00
95.00	2.50	0.61	0.00	350.00	2.50	0.61	0.00
100.00	2.50	0.61	0.00	355.00	2.50	0.61	0.00
105.00	2.50	0.61	0.00	360.00	2.50	0.61	0.00
110.00	2.50	0.61	0.00	365.00	2.50	0.61	0.00
115.00	2.50	0.61	0.00	370.00	2.50	0.61	0.00
120.00	2.50	0.61	0.00	375.00	2.50	0.61	0.00
125.00	2.50	0.61	0.00	380.00	2.50	0.61	0.00
130.00	2.50	0.61	0.00	385.00	2.50	0.61	0.00
135.00	2.50	0.61	0.00	390.00	2.50	0.61	0.00
140.00	2.50	0.61	0.00	395.00	2.50	0.61	0.00
145.00	2.50	0.61	0.00	400.00	2.50	0.61	0.00
150.00	2.50	0.61	0.00	405.00	2.50	0.61	0.00
155.00	2.50	0.61	0.00	410.00	2.50	0.61	0.00
160.00	2.50	0.61	0.00	415.00	2.50	0.61	0.00
165.00	2.50	0.61	0.00	420.00	2.50	0.61	0.00
170.00	2.50	0.61	0.00	425.00	2.50	0.61	0.00
175.00	2.50	0.61	0.00	430.00	2.50	0.61	0.00
180.00	2.50	0.61	0.00	435.00	2.50	0.61	0.00
185.00	2.50	0.61	0.00	440.00	2.50	0.61	0.00
190.00	2.50	0.61	0.00	445.00	2.50	0.61	0.00
195.00	2.50	0.61	0.00	450.00	2.50	0.61	0.00
200.00	2.50	0.61	0.00	455.00	2.50	0.61	0.00
205.00	2.50	0.61	0.00	460.00	2.50	0.61	0.00
210.00	2.50	0.61	0.00	465.00	2.50	0.61	0.00
215.00	2.50	0.61	0.00	470.00	2.50	0.61	0.00
220.00	2.50	0.61	0.00	475.00	2.50	0.61	0.00
225.00	2.50	0.61	0.00	480.00	2.50	0.61	0.00
230.00	2.50	0.61	0.00	485.00	2.50	0.61	0.00
235.00	2.50	0.61	0.00	490.00	2.50	0.61	0.00
240.00	2.50	0.61	0.00	495.00	2.50	0.61	0.00
245.00	2.50	0.61	0.00	500.00	2.50	0.61	0.00
250.00	2.50	0.61	0.00				
255.00	2.50	0.61	0.00				

Summary for Subcatchment 5S: Culvert 1

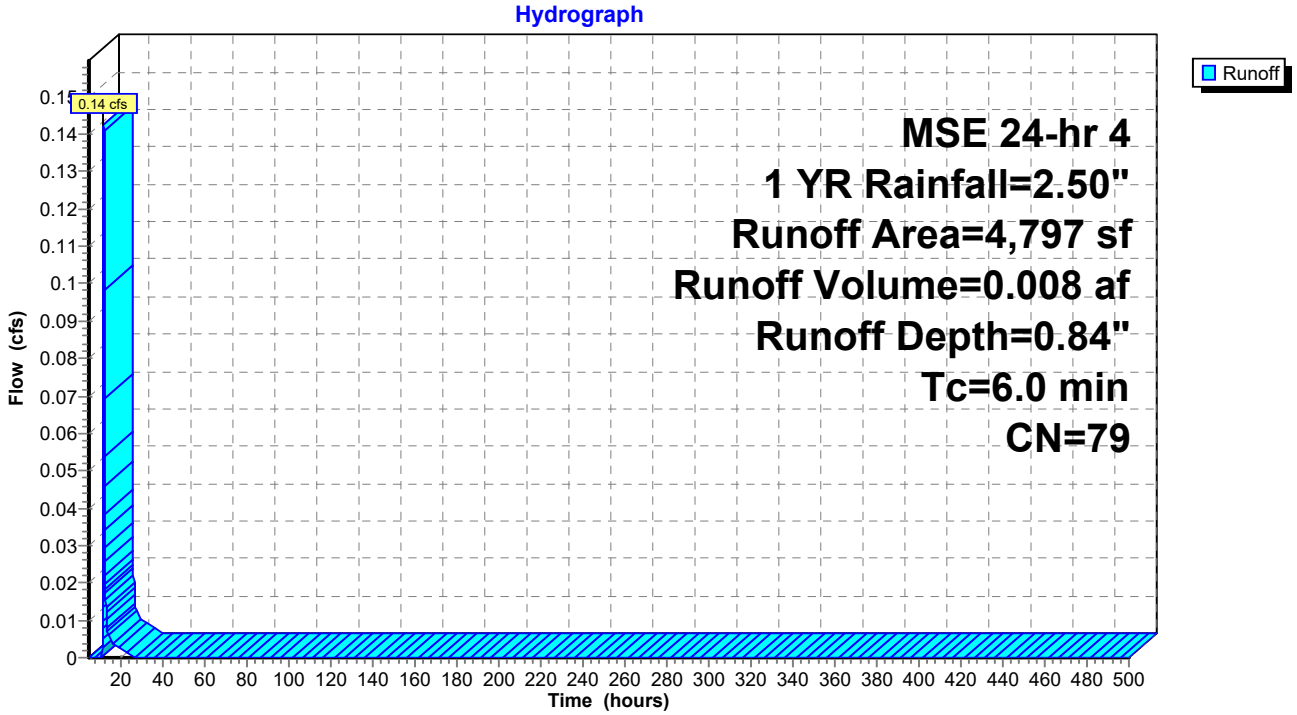
Runoff = 0.14 cfs @ 12.14 hrs, Volume= 0.008 af, Depth= 0.84"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (sf)	CN	Description
*	2,465	61	Post - B Soils
*	2,332	98	Impervious
	4,797	79	Weighted Average
	2,465		51.39% Pervious Area
	2,332		48.61% Impervious Area

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

Subcatchment 5S: Culvert 1



Hydrograph for Subcatchment 5S: Culvert 1

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.84	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.84	0.00
15.00	2.20	0.64	**0.01**	270.00	2.50	0.84	0.00
20.00	**2.42**	**0.78**	0.00	275.00	2.50	0.84	0.00
25.00	**2.50**	**0.84**	0.00	280.00	2.50	0.84	0.00
30.00	2.50	0.84	0.00	285.00	2.50	0.84	0.00
35.00	2.50	0.84	0.00	290.00	2.50	0.84	0.00
40.00	2.50	0.84	0.00	295.00	2.50	0.84	0.00
45.00	2.50	0.84	0.00	300.00	2.50	0.84	0.00
50.00	2.50	0.84	0.00	305.00	2.50	0.84	0.00
55.00	2.50	0.84	0.00	310.00	2.50	0.84	0.00
60.00	2.50	0.84	0.00	315.00	2.50	0.84	0.00
65.00	2.50	0.84	0.00	320.00	2.50	0.84	0.00
70.00	2.50	0.84	0.00	325.00	2.50	0.84	0.00
75.00	2.50	0.84	0.00	330.00	2.50	0.84	0.00
80.00	2.50	0.84	0.00	335.00	2.50	0.84	0.00
85.00	2.50	0.84	0.00	340.00	2.50	0.84	0.00
90.00	2.50	0.84	0.00	345.00	2.50	0.84	0.00
95.00	2.50	0.84	0.00	350.00	2.50	0.84	0.00
100.00	2.50	0.84	0.00	355.00	2.50	0.84	0.00
105.00	2.50	0.84	0.00	360.00	2.50	0.84	0.00
110.00	2.50	0.84	0.00	365.00	2.50	0.84	0.00
115.00	2.50	0.84	0.00	370.00	2.50	0.84	0.00
120.00	2.50	0.84	0.00	375.00	2.50	0.84	0.00
125.00	2.50	0.84	0.00	380.00	2.50	0.84	0.00
130.00	2.50	0.84	0.00	385.00	2.50	0.84	0.00
135.00	2.50	0.84	0.00	390.00	2.50	0.84	0.00
140.00	2.50	0.84	0.00	395.00	2.50	0.84	0.00
145.00	2.50	0.84	0.00	400.00	2.50	0.84	0.00
150.00	2.50	0.84	0.00	405.00	2.50	0.84	0.00
155.00	2.50	0.84	0.00	410.00	2.50	0.84	0.00
160.00	2.50	0.84	0.00	415.00	2.50	0.84	0.00
165.00	2.50	0.84	0.00	420.00	2.50	0.84	0.00
170.00	2.50	0.84	0.00	425.00	2.50	0.84	0.00
175.00	2.50	0.84	0.00	430.00	2.50	0.84	0.00
180.00	2.50	0.84	0.00	435.00	2.50	0.84	0.00
185.00	2.50	0.84	0.00	440.00	2.50	0.84	0.00
190.00	2.50	0.84	0.00	445.00	2.50	0.84	0.00
195.00	2.50	0.84	0.00	450.00	2.50	0.84	0.00
200.00	2.50	0.84	0.00	455.00	2.50	0.84	0.00
205.00	2.50	0.84	0.00	460.00	2.50	0.84	0.00
210.00	2.50	0.84	0.00	465.00	2.50	0.84	0.00
215.00	2.50	0.84	0.00	470.00	2.50	0.84	0.00
220.00	2.50	0.84	0.00	475.00	2.50	0.84	0.00
225.00	2.50	0.84	0.00	480.00	2.50	0.84	0.00
230.00	2.50	0.84	0.00	485.00	2.50	0.84	0.00
235.00	2.50	0.84	0.00	490.00	2.50	0.84	0.00
240.00	2.50	0.84	0.00	495.00	2.50	0.84	0.00
245.00	2.50	0.84	0.00	500.00	2.50	0.84	0.00
250.00	2.50	0.84	0.00				
255.00	2.50	0.84	0.00				

Summary for Subcatchment 6S: Culvert 2

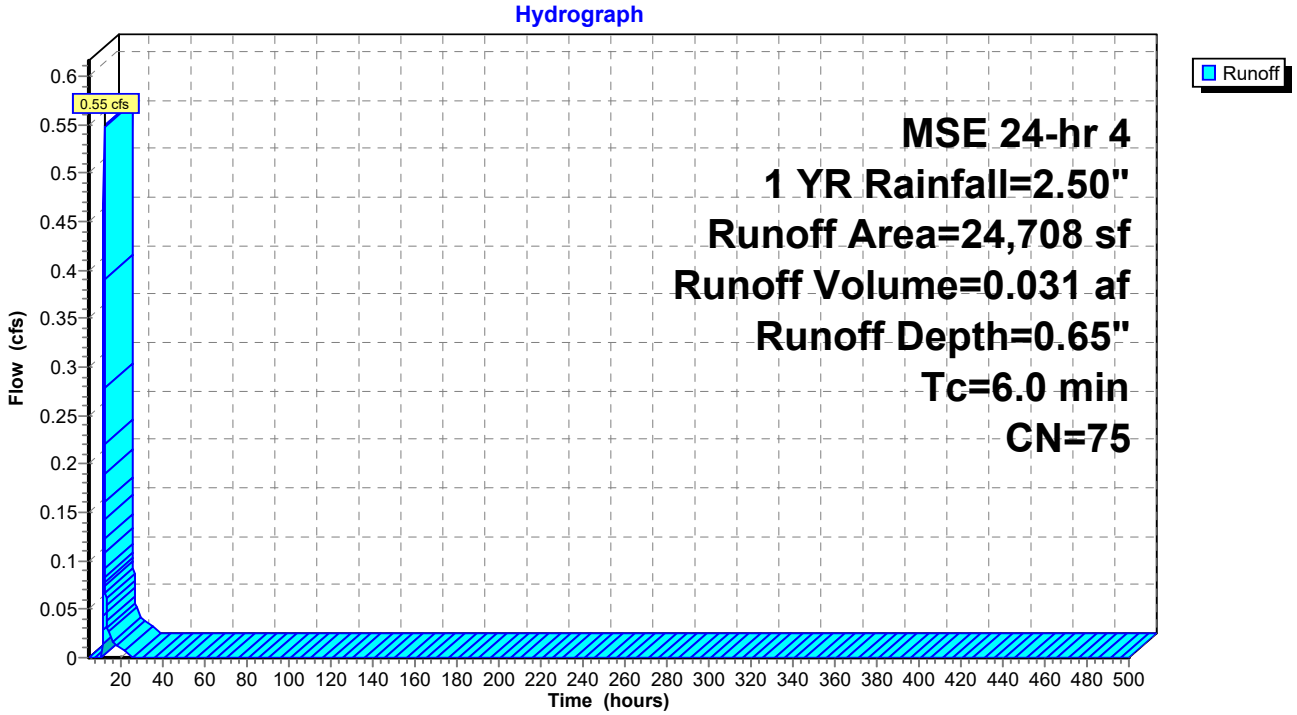
Runoff = 0.55 cfs @ 12.14 hrs, Volume= 0.031 af, Depth= 0.65"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (sf)	CN	Description
*	15,597	61	Post - B Soils
*	9,111	98	Impervious
	24,708	75	Weighted Average
	15,597		63.13% Pervious Area
	9,111		36.87% Impervious Area

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

Subcatchment 6S: Culvert 2



Hydrograph for Subcatchment 6S: Culvert 2

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00
10.00	0.40	0.00	**0.00**
15.00	2.20	0.48	**0.03**
20.00	**2.42**	**0.60**	0.01
25.00	**2.50**	**0.65**	0.00
30.00	2.50	0.65	0.00
35.00	2.50	0.65	0.00
40.00	2.50	0.65	0.00
45.00	2.50	0.65	0.00
50.00	2.50	0.65	0.00
55.00	2.50	0.65	0.00
60.00	2.50	0.65	0.00
65.00	2.50	0.65	0.00
70.00	2.50	0.65	0.00
75.00	2.50	0.65	0.00
80.00	2.50	0.65	0.00
85.00	2.50	0.65	0.00
90.00	2.50	0.65	0.00
95.00	2.50	0.65	0.00
100.00	2.50	0.65	0.00
105.00	2.50	0.65	0.00
110.00	2.50	0.65	0.00
115.00	2.50	0.65	0.00
120.00	2.50	0.65	0.00
125.00	2.50	0.65	0.00
130.00	2.50	0.65	0.00
135.00	2.50	0.65	0.00
140.00	2.50	0.65	0.00
145.00	2.50	0.65	0.00
150.00	2.50	0.65	0.00
155.00	2.50	0.65	0.00
160.00	2.50	0.65	0.00
165.00	2.50	0.65	0.00
170.00	2.50	0.65	0.00
175.00	2.50	0.65	0.00
180.00	2.50	0.65	0.00
185.00	2.50	0.65	0.00
190.00	2.50	0.65	0.00
195.00	2.50	0.65	0.00
200.00	2.50	0.65	0.00
205.00	2.50	0.65	0.00
210.00	2.50	0.65	0.00
215.00	2.50	0.65	0.00
220.00	2.50	0.65	0.00
225.00	2.50	0.65	0.00
230.00	2.50	0.65	0.00
235.00	2.50	0.65	0.00
240.00	2.50	0.65	0.00
245.00	2.50	0.65	0.00
250.00	2.50	0.65	0.00
255.00	2.50	0.65	0.00
260.00	2.50	0.65	0.00
265.00	2.50	0.65	0.00
270.00	2.50	0.65	0.00
275.00	2.50	0.65	0.00
280.00	2.50	0.65	0.00
285.00	2.50	0.65	0.00
290.00	2.50	0.65	0.00
295.00	2.50	0.65	0.00
300.00	2.50	0.65	0.00
305.00	2.50	0.65	0.00
310.00	2.50	0.65	0.00
315.00	2.50	0.65	0.00
320.00	2.50	0.65	0.00
325.00	2.50	0.65	0.00
330.00	2.50	0.65	0.00
335.00	2.50	0.65	0.00
340.00	2.50	0.65	0.00
345.00	2.50	0.65	0.00
350.00	2.50	0.65	0.00
355.00	2.50	0.65	0.00
360.00	2.50	0.65	0.00
365.00	2.50	0.65	0.00
370.00	2.50	0.65	0.00
375.00	2.50	0.65	0.00
380.00	2.50	0.65	0.00
385.00	2.50	0.65	0.00
390.00	2.50	0.65	0.00
395.00	2.50	0.65	0.00
400.00	2.50	0.65	0.00
405.00	2.50	0.65	0.00
410.00	2.50	0.65	0.00
415.00	2.50	0.65	0.00
420.00	2.50	0.65	0.00
425.00	2.50	0.65	0.00
430.00	2.50	0.65	0.00
435.00	2.50	0.65	0.00
440.00	2.50	0.65	0.00
445.00	2.50	0.65	0.00
450.00	2.50	0.65	0.00
455.00	2.50	0.65	0.00
460.00	2.50	0.65	0.00
465.00	2.50	0.65	0.00
470.00	2.50	0.65	0.00
475.00	2.50	0.65	0.00
480.00	2.50	0.65	0.00
485.00	2.50	0.65	0.00
490.00	2.50	0.65	0.00
495.00	2.50	0.65	0.00
500.00	2.50	0.65	0.00

Summary for Subcatchment 7S: Culvert 3

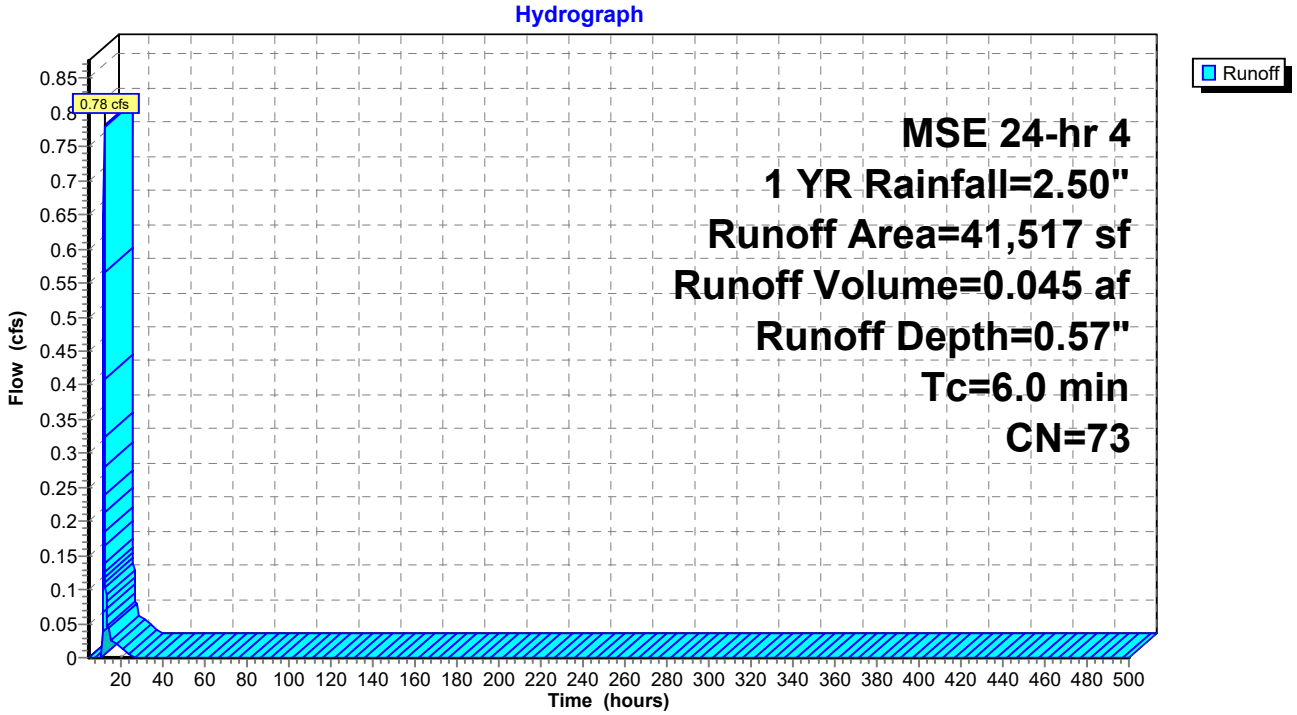
Runoff = 0.78 cfs @ 12.14 hrs, Volume= 0.045 af, Depth= 0.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (sf)	CN	Description
*	28,233	61	Post - B Soils
*	13,284	98	Impervious
	41,517	73	Weighted Average
	28,233		68.00% Pervious Area
	13,284		32.00% Impervious Area

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

Subcatchment 7S: Culvert 3



Hydrograph for Subcatchment 7S: Culvert 3

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00
10.00	0.40	0.00	**0.00**
15.00	2.20	0.41	**0.04**
20.00	**2.42**	**0.52**	0.02
25.00	**2.50**	**0.57**	0.00
30.00	2.50	0.57	0.00
35.00	2.50	0.57	0.00
40.00	2.50	0.57	0.00
45.00	2.50	0.57	0.00
50.00	2.50	0.57	0.00
55.00	2.50	0.57	0.00
60.00	2.50	0.57	0.00
65.00	2.50	0.57	0.00
70.00	2.50	0.57	0.00
75.00	2.50	0.57	0.00
80.00	2.50	0.57	0.00
85.00	2.50	0.57	0.00
90.00	2.50	0.57	0.00
95.00	2.50	0.57	0.00
100.00	2.50	0.57	0.00
105.00	2.50	0.57	0.00
110.00	2.50	0.57	0.00
115.00	2.50	0.57	0.00
120.00	2.50	0.57	0.00
125.00	2.50	0.57	0.00
130.00	2.50	0.57	0.00
135.00	2.50	0.57	0.00
140.00	2.50	0.57	0.00
145.00	2.50	0.57	0.00
150.00	2.50	0.57	0.00
155.00	2.50	0.57	0.00
160.00	2.50	0.57	0.00
165.00	2.50	0.57	0.00
170.00	2.50	0.57	0.00
175.00	2.50	0.57	0.00
180.00	2.50	0.57	0.00
185.00	2.50	0.57	0.00
190.00	2.50	0.57	0.00
195.00	2.50	0.57	0.00
200.00	2.50	0.57	0.00
205.00	2.50	0.57	0.00
210.00	2.50	0.57	0.00
215.00	2.50	0.57	0.00
220.00	2.50	0.57	0.00
225.00	2.50	0.57	0.00
230.00	2.50	0.57	0.00
235.00	2.50	0.57	0.00
240.00	2.50	0.57	0.00
245.00	2.50	0.57	0.00
250.00	2.50	0.57	0.00
255.00	2.50	0.57	0.00
260.00	2.50	0.57	0.00
265.00	2.50	0.57	0.00
270.00	2.50	0.57	0.00
275.00	2.50	0.57	0.00
280.00	2.50	0.57	0.00
285.00	2.50	0.57	0.00
290.00	2.50	0.57	0.00
295.00	2.50	0.57	0.00
300.00	2.50	0.57	0.00
305.00	2.50	0.57	0.00
310.00	2.50	0.57	0.00
315.00	2.50	0.57	0.00
320.00	2.50	0.57	0.00
325.00	2.50	0.57	0.00
330.00	2.50	0.57	0.00
335.00	2.50	0.57	0.00
340.00	2.50	0.57	0.00
345.00	2.50	0.57	0.00
350.00	2.50	0.57	0.00
355.00	2.50	0.57	0.00
360.00	2.50	0.57	0.00
365.00	2.50	0.57	0.00
370.00	2.50	0.57	0.00
375.00	2.50	0.57	0.00
380.00	2.50	0.57	0.00
385.00	2.50	0.57	0.00
390.00	2.50	0.57	0.00
395.00	2.50	0.57	0.00
400.00	2.50	0.57	0.00
405.00	2.50	0.57	0.00
410.00	2.50	0.57	0.00
415.00	2.50	0.57	0.00
420.00	2.50	0.57	0.00
425.00	2.50	0.57	0.00
430.00	2.50	0.57	0.00
435.00	2.50	0.57	0.00
440.00	2.50	0.57	0.00
445.00	2.50	0.57	0.00
450.00	2.50	0.57	0.00
455.00	2.50	0.57	0.00
460.00	2.50	0.57	0.00
465.00	2.50	0.57	0.00
470.00	2.50	0.57	0.00
475.00	2.50	0.57	0.00
480.00	2.50	0.57	0.00
485.00	2.50	0.57	0.00
490.00	2.50	0.57	0.00
495.00	2.50	0.57	0.00
500.00	2.50	0.57	0.00

Summary for Subcatchment 8S: Culvert 4

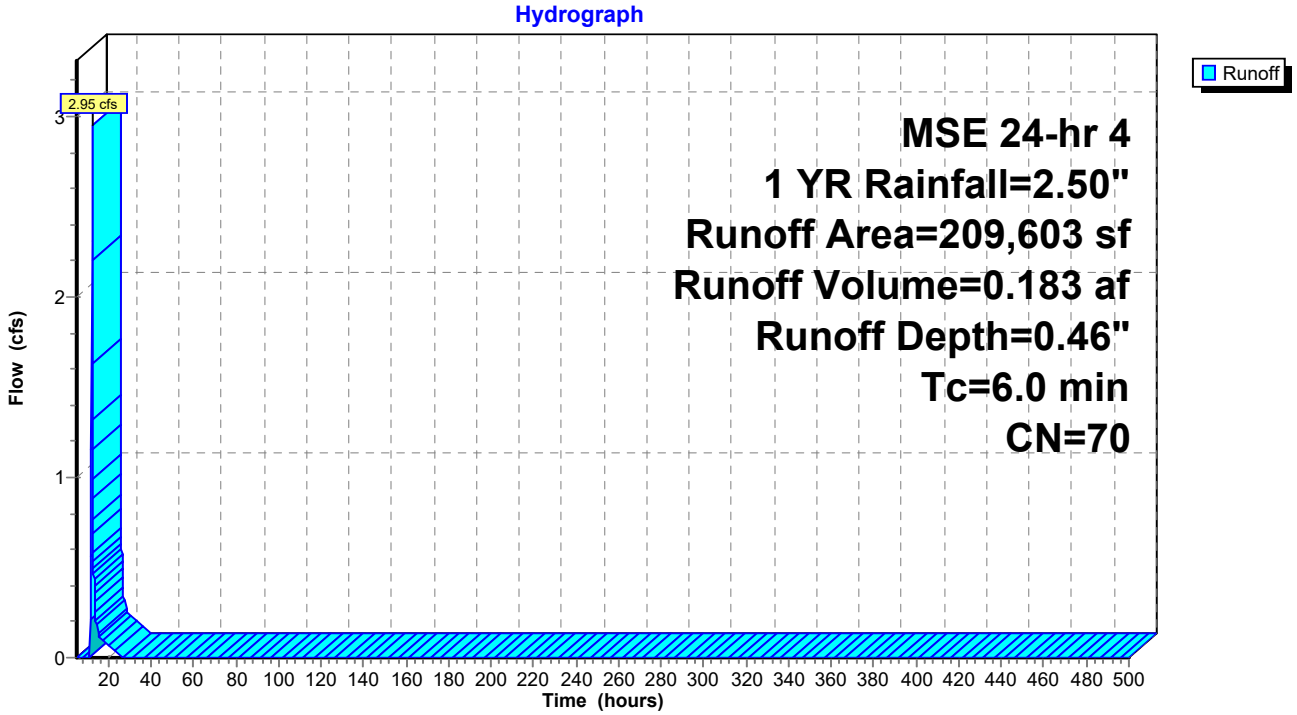
Runoff = 2.95 cfs @ 12.15 hrs, Volume= 0.183 af, Depth= 0.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (sf)	CN	Description
*	156,823	61	Post - B Soils
*	52,780	98	Impervious
	209,603	70	Weighted Average
	156,823		74.82% Pervious Area
	52,780		25.18% Impervious Area

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

Subcatchment 8S: Culvert 4



Hydrograph for Subcatchment 8S: Culvert 4

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.46	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.46	0.00
15.00	2.20	0.32	**0.18**	270.00	2.50	0.46	0.00
20.00	**2.42**	**0.42**	0.07	275.00	2.50	0.46	0.00
25.00	**2.50**	**0.46**	0.00	280.00	2.50	0.46	0.00
30.00	2.50	0.46	0.00	285.00	2.50	0.46	0.00
35.00	2.50	0.46	0.00	290.00	2.50	0.46	0.00
40.00	2.50	0.46	0.00	295.00	2.50	0.46	0.00
45.00	2.50	0.46	0.00	300.00	2.50	0.46	0.00
50.00	2.50	0.46	0.00	305.00	2.50	0.46	0.00
55.00	2.50	0.46	0.00	310.00	2.50	0.46	0.00
60.00	2.50	0.46	0.00	315.00	2.50	0.46	0.00
65.00	2.50	0.46	0.00	320.00	2.50	0.46	0.00
70.00	2.50	0.46	0.00	325.00	2.50	0.46	0.00
75.00	2.50	0.46	0.00	330.00	2.50	0.46	0.00
80.00	2.50	0.46	0.00	335.00	2.50	0.46	0.00
85.00	2.50	0.46	0.00	340.00	2.50	0.46	0.00
90.00	2.50	0.46	0.00	345.00	2.50	0.46	0.00
95.00	2.50	0.46	0.00	350.00	2.50	0.46	0.00
100.00	2.50	0.46	0.00	355.00	2.50	0.46	0.00
105.00	2.50	0.46	0.00	360.00	2.50	0.46	0.00
110.00	2.50	0.46	0.00	365.00	2.50	0.46	0.00
115.00	2.50	0.46	0.00	370.00	2.50	0.46	0.00
120.00	2.50	0.46	0.00	375.00	2.50	0.46	0.00
125.00	2.50	0.46	0.00	380.00	2.50	0.46	0.00
130.00	2.50	0.46	0.00	385.00	2.50	0.46	0.00
135.00	2.50	0.46	0.00	390.00	2.50	0.46	0.00
140.00	2.50	0.46	0.00	395.00	2.50	0.46	0.00
145.00	2.50	0.46	0.00	400.00	2.50	0.46	0.00
150.00	2.50	0.46	0.00	405.00	2.50	0.46	0.00
155.00	2.50	0.46	0.00	410.00	2.50	0.46	0.00
160.00	2.50	0.46	0.00	415.00	2.50	0.46	0.00
165.00	2.50	0.46	0.00	420.00	2.50	0.46	0.00
170.00	2.50	0.46	0.00	425.00	2.50	0.46	0.00
175.00	2.50	0.46	0.00	430.00	2.50	0.46	0.00
180.00	2.50	0.46	0.00	435.00	2.50	0.46	0.00
185.00	2.50	0.46	0.00	440.00	2.50	0.46	0.00
190.00	2.50	0.46	0.00	445.00	2.50	0.46	0.00
195.00	2.50	0.46	0.00	450.00	2.50	0.46	0.00
200.00	2.50	0.46	0.00	455.00	2.50	0.46	0.00
205.00	2.50	0.46	0.00	460.00	2.50	0.46	0.00
210.00	2.50	0.46	0.00	465.00	2.50	0.46	0.00
215.00	2.50	0.46	0.00	470.00	2.50	0.46	0.00
220.00	2.50	0.46	0.00	475.00	2.50	0.46	0.00
225.00	2.50	0.46	0.00	480.00	2.50	0.46	0.00
230.00	2.50	0.46	0.00	485.00	2.50	0.46	0.00
235.00	2.50	0.46	0.00	490.00	2.50	0.46	0.00
240.00	2.50	0.46	0.00	495.00	2.50	0.46	0.00
245.00	2.50	0.46	0.00	500.00	2.50	0.46	0.00
250.00	2.50	0.46	0.00				
255.00	2.50	0.46	0.00				

Summary for Subcatchment 9S: Culvert 5

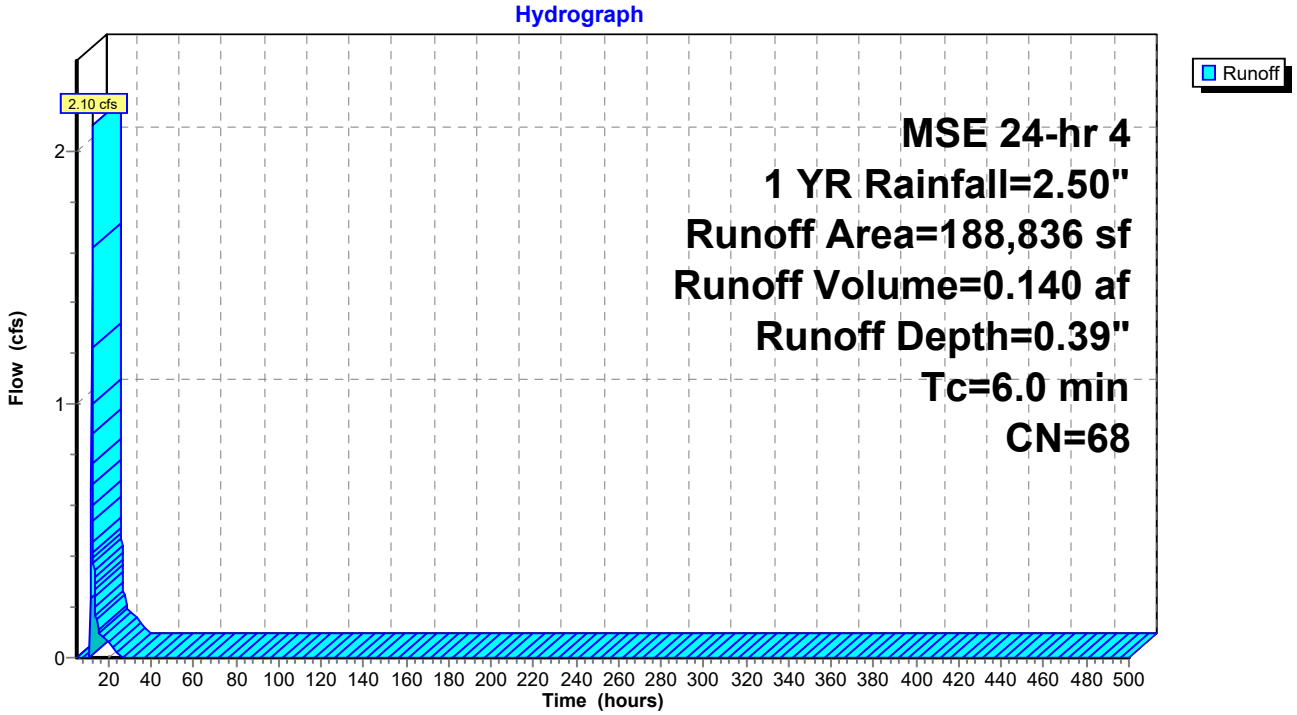
Runoff = 2.10 cfs @ 12.15 hrs, Volume= 0.140 af, Depth= 0.39"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 1 YR Rainfall=2.50"

	Area (sf)	CN	Description
*	151,149	61	Post - B Soils
*	37,687	98	Impervious
	188,836	68	Weighted Average
	151,149		80.04% Pervious Area
	37,687		19.96% Impervious Area

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

Subcatchment 9S: Culvert 5



Hydrograph for Subcatchment 9S: Culvert 5

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.11	0.00	0.00	260.00	2.50	0.39	0.00
10.00	0.40	0.00	**0.00**	265.00	2.50	0.39	0.00
15.00	2.20	0.26	**0.15**	270.00	2.50	0.39	0.00
20.00	**2.42**	**0.35**	0.06	275.00	2.50	0.39	0.00
25.00	**2.50**	**0.39**	0.00	280.00	2.50	0.39	0.00
30.00	2.50	0.39	0.00	285.00	2.50	0.39	0.00
35.00	2.50	0.39	0.00	290.00	2.50	0.39	0.00
40.00	2.50	0.39	0.00	295.00	2.50	0.39	0.00
45.00	2.50	0.39	0.00	300.00	2.50	0.39	0.00
50.00	2.50	0.39	0.00	305.00	2.50	0.39	0.00
55.00	2.50	0.39	0.00	310.00	2.50	0.39	0.00
60.00	2.50	0.39	0.00	315.00	2.50	0.39	0.00
65.00	2.50	0.39	0.00	320.00	2.50	0.39	0.00
70.00	2.50	0.39	0.00	325.00	2.50	0.39	0.00
75.00	2.50	0.39	0.00	330.00	2.50	0.39	0.00
80.00	2.50	0.39	0.00	335.00	2.50	0.39	0.00
85.00	2.50	0.39	0.00	340.00	2.50	0.39	0.00
90.00	2.50	0.39	0.00	345.00	2.50	0.39	0.00
95.00	2.50	0.39	0.00	350.00	2.50	0.39	0.00
100.00	2.50	0.39	0.00	355.00	2.50	0.39	0.00
105.00	2.50	0.39	0.00	360.00	2.50	0.39	0.00
110.00	2.50	0.39	0.00	365.00	2.50	0.39	0.00
115.00	2.50	0.39	0.00	370.00	2.50	0.39	0.00
120.00	2.50	0.39	0.00	375.00	2.50	0.39	0.00
125.00	2.50	0.39	0.00	380.00	2.50	0.39	0.00
130.00	2.50	0.39	0.00	385.00	2.50	0.39	0.00
135.00	2.50	0.39	0.00	390.00	2.50	0.39	0.00
140.00	2.50	0.39	0.00	395.00	2.50	0.39	0.00
145.00	2.50	0.39	0.00	400.00	2.50	0.39	0.00
150.00	2.50	0.39	0.00	405.00	2.50	0.39	0.00
155.00	2.50	0.39	0.00	410.00	2.50	0.39	0.00
160.00	2.50	0.39	0.00	415.00	2.50	0.39	0.00
165.00	2.50	0.39	0.00	420.00	2.50	0.39	0.00
170.00	2.50	0.39	0.00	425.00	2.50	0.39	0.00
175.00	2.50	0.39	0.00	430.00	2.50	0.39	0.00
180.00	2.50	0.39	0.00	435.00	2.50	0.39	0.00
185.00	2.50	0.39	0.00	440.00	2.50	0.39	0.00
190.00	2.50	0.39	0.00	445.00	2.50	0.39	0.00
195.00	2.50	0.39	0.00	450.00	2.50	0.39	0.00
200.00	2.50	0.39	0.00	455.00	2.50	0.39	0.00
205.00	2.50	0.39	0.00	460.00	2.50	0.39	0.00
210.00	2.50	0.39	0.00	465.00	2.50	0.39	0.00
215.00	2.50	0.39	0.00	470.00	2.50	0.39	0.00
220.00	2.50	0.39	0.00	475.00	2.50	0.39	0.00
225.00	2.50	0.39	0.00	480.00	2.50	0.39	0.00
230.00	2.50	0.39	0.00	485.00	2.50	0.39	0.00
235.00	2.50	0.39	0.00	490.00	2.50	0.39	0.00
240.00	2.50	0.39	0.00	495.00	2.50	0.39	0.00
245.00	2.50	0.39	0.00	500.00	2.50	0.39	0.00
250.00	2.50	0.39	0.00				
255.00	2.50	0.39	0.00				

Summary for Pond P1A: Pond 1A

Inflow Area = 6.030 ac, 19.24% Impervious, Inflow Depth = 0.39" for 1 YR event
Inflow = 2.93 cfs @ 12.15 hrs, Volume= 0.195 af
Outflow = 0.32 cfs @ 13.52 hrs, Volume= 0.195 af, Atten= 89%, Lag= 82.1 min
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 3L : Post - South
Secondary = 0.32 cfs @ 13.52 hrs, Volume= 0.195 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,239.93' @ 13.52 hrs Surf.Area= 3,843 sf Storage= 2,951 cf

Plug-Flow detention time= 92.6 min calculated for 0.195 af (100% of inflow)
Center-of-Mass det. time= 92.6 min (974.9 - 882.3)

Volume	Invert	Avail.Storage	Storage Description
#1	1,239.00'	30,563 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

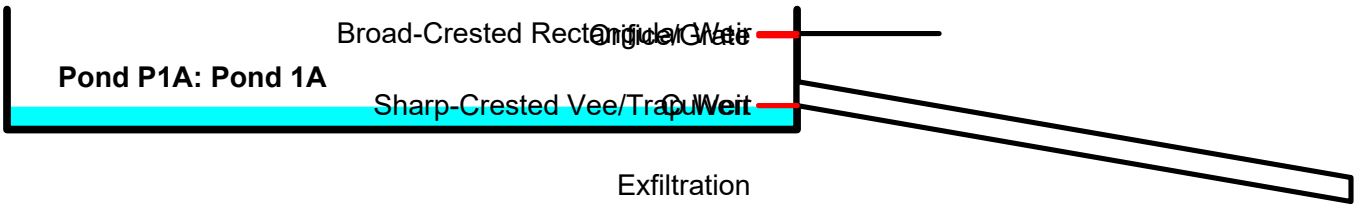
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,239.00	2,496	0	0
1,244.00	9,729	30,563	30,563

Device	Routing	Invert	Outlet Devices
#1	Primary	1,240.00'	**12.0" Round Culvert** L= 39.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,240.00' / 1,236.00' S= 0.1026 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,240.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,242.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,239.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,243.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

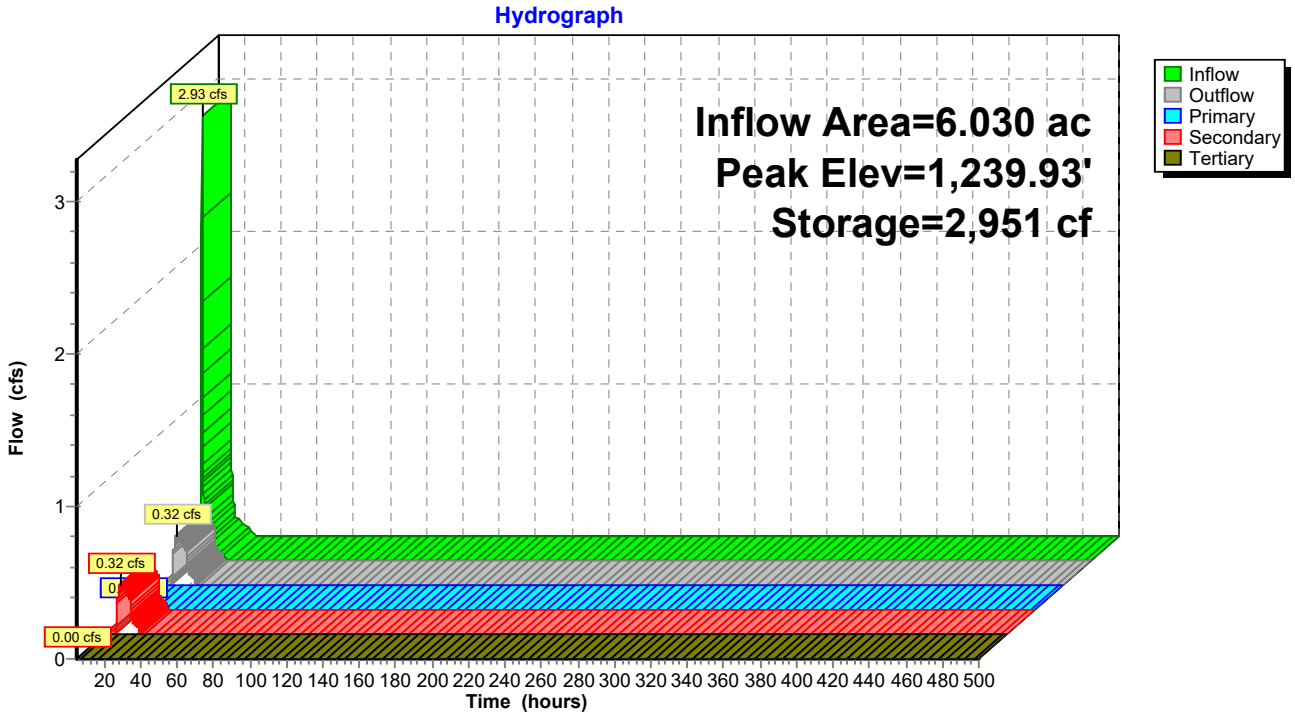
Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,239.00' (Free Discharge)
└**1=Culvert** (Controls 0.00 cfs)
└**2=Sharp-Crested Vee/Trap Weir** (Controls 0.00 cfs)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.32 cfs @ 13.52 hrs HW=1,239.93' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.32 cfs)

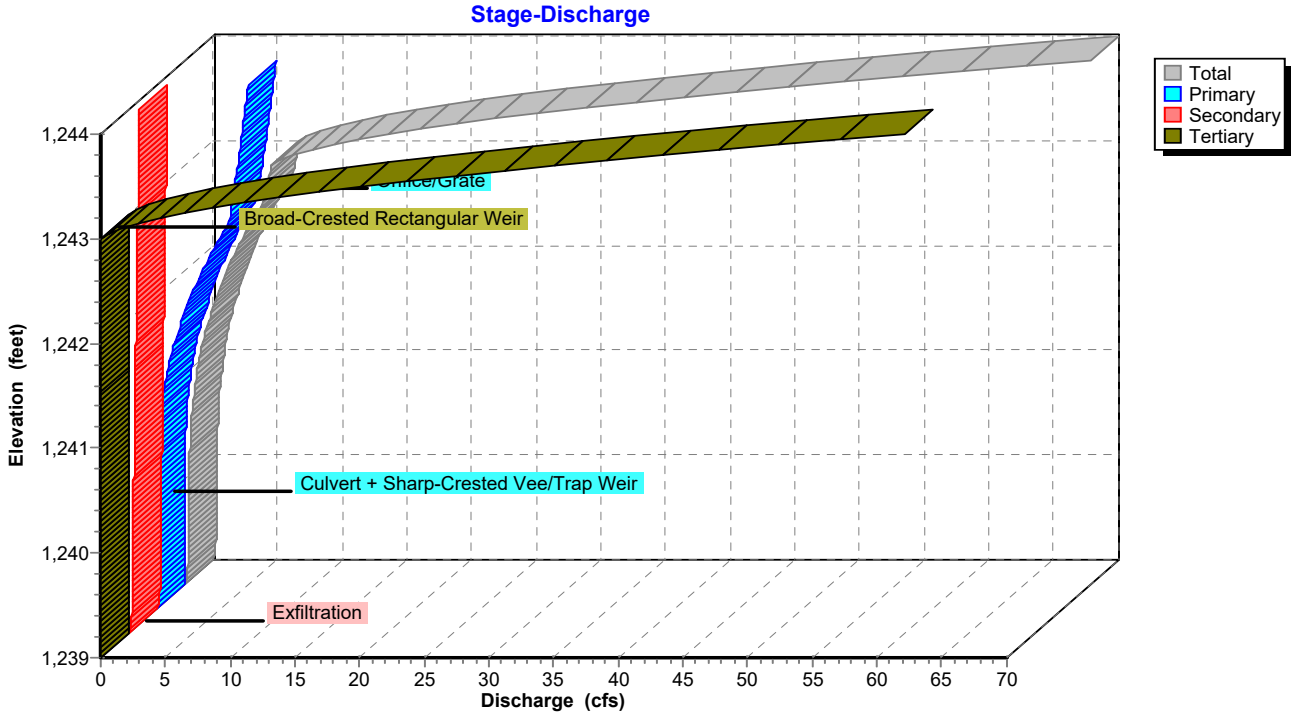
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,239.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



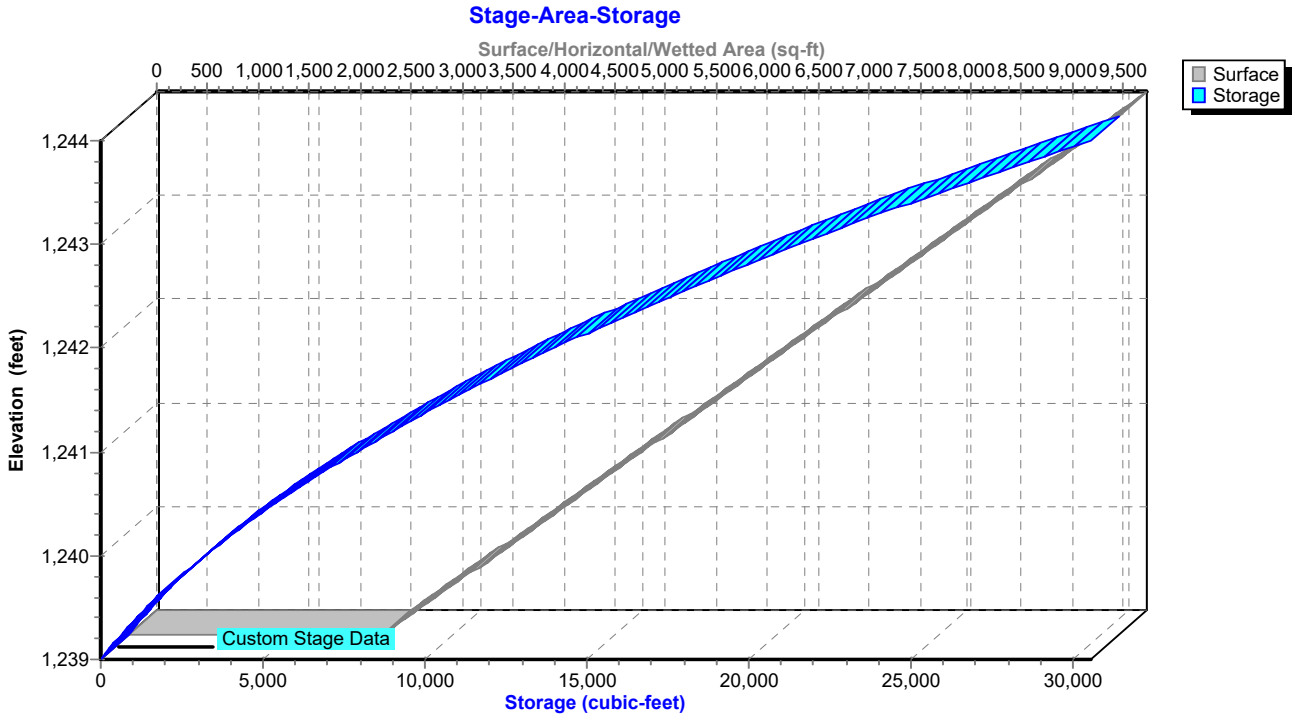
Pond P1A: Pond 1A



Pond P1A: Pond 1A



Pond P1A: Pond 1A



Hydrograph for Pond P1A: Pond 1A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,239.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.20**	**2,447**	**1,239.80**	**0.30**	0.00	**0.30**	0.00
25.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P1A: Pond 1A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,239.00	0.00	0.00	0.00	0.00
1,239.10	0.22	0.00	0.22	0.00
1,239.20	0.23	0.00	0.23	0.00
1,239.30	0.24	0.00	0.24	0.00
1,239.40	0.26	0.00	0.26	0.00
1,239.50	0.27	0.00	0.27	0.00
1,239.60	0.28	0.00	0.28	0.00
1,239.70	0.29	0.00	0.29	0.00
1,239.80	0.30	0.00	0.30	0.00
1,239.90	0.32	0.00	0.32	0.00
1,240.00	0.33	0.00	0.33	0.00
1,240.10	0.34	0.00	0.34	0.00
1,240.20	0.36	0.01	0.35	0.00
1,240.30	0.39	0.02	0.36	0.00
1,240.40	0.42	0.05	0.38	0.00
1,240.50	0.47	0.08	0.39	0.00
1,240.60	0.53	0.13	0.40	0.00
1,240.70	0.61	0.19	0.41	0.00
1,240.80	0.70	0.27	0.42	0.00
1,240.90	0.80	0.36	0.44	0.00
1,241.00	0.92	0.47	0.45	0.00
1,241.10	1.06	0.60	0.46	0.00
1,241.20	1.22	0.75	0.47	0.00
1,241.30	1.40	0.91	0.49	0.00
1,241.40	1.60	1.10	0.50	0.00
1,241.50	1.82	1.31	0.51	0.00
1,241.60	2.06	1.54	0.52	0.00
1,241.70	2.32	1.79	0.53	0.00
1,241.80	2.61	2.06	0.55	0.00
1,241.90	2.92	2.36	0.56	0.00
1,242.00	3.25	2.68	0.57	0.00
1,242.10	3.61	3.03	0.58	0.00
1,242.20	4.00	3.41	0.59	0.00
1,242.30	4.41	3.81	0.61	0.00
1,242.40	4.85	4.23	0.62	0.00
1,242.50	5.32	4.69	0.63	0.00
1,242.60	5.81	5.17	0.64	0.00
1,242.70	6.26	5.61	0.65	0.00
1,242.80	6.40	5.74	0.67	0.00
1,242.90	6.54	5.86	0.68	0.00
1,243.00	6.67	5.98	0.69	0.00
1,243.10	8.40	6.10	0.70	1.60
1,243.20	11.53	6.21	0.71	4.60
1,243.30	15.75	6.33	0.73	8.70
1,243.40	20.96	6.44	0.74	13.78
1,243.50	27.39	6.55	0.75	20.08
1,243.60	34.93	6.66	0.76	27.51
1,243.70	42.64	6.76	0.77	35.10
1,243.80	51.08	6.87	0.79	43.42
1,243.90	60.22	6.97	0.80	52.45
1,244.00	**70.06**	**7.07**	**0.81**	**62.18**

Stage-Area-Storage for Pond P1A: Pond 1A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,239.00	2,496	0	1,241.55	6,185	11,068
1,239.05	2,568	127	1,241.60	6,257	11,379
1,239.10	2,641	257	1,241.65	6,329	11,694
1,239.15	2,713	391	1,241.70	6,402	12,012
1,239.20	2,785	528	1,241.75	6,474	12,334
1,239.25	2,858	669	1,241.80	6,546	12,659
1,239.30	2,930	814	1,241.85	6,619	12,989
1,239.35	3,002	962	1,241.90	6,691	13,321
1,239.40	3,075	1,114	1,241.95	6,763	13,658
1,239.45	3,147	1,270	1,242.00	6,836	13,998
1,239.50	3,219	1,429	1,242.05	6,908	14,341
1,239.55	3,292	1,592	1,242.10	6,980	14,689
1,239.60	3,364	1,758	1,242.15	7,053	15,039
1,239.65	3,436	1,928	1,242.20	7,125	15,394
1,239.70	3,509	2,102	1,242.25	7,197	15,752
1,239.75	3,581	2,279	1,242.30	7,270	16,114
1,239.80	3,653	2,460	1,242.35	7,342	16,479
1,239.85	3,726	2,644	1,242.40	7,414	16,848
1,239.90	3,798	2,832	1,242.45	7,487	17,220
1,239.95	3,870	3,024	1,242.50	7,559	17,596
1,240.00	3,943	3,219	1,242.55	7,631	17,976
1,240.05	4,015	3,418	1,242.60	7,704	18,360
1,240.10	4,087	3,621	1,242.65	7,776	18,747
1,240.15	4,160	3,827	1,242.70	7,848	19,137
1,240.20	4,232	4,037	1,242.75	7,921	19,531
1,240.25	4,304	4,250	1,242.80	7,993	19,929
1,240.30	4,377	4,467	1,242.85	8,065	20,331
1,240.35	4,449	4,688	1,242.90	8,138	20,736
1,240.40	4,521	4,912	1,242.95	8,210	21,144
1,240.45	4,594	5,140	1,243.00	8,282	21,557
1,240.50	4,666	5,371	1,243.05	8,355	21,973
1,240.55	4,738	5,607	1,243.10	8,427	22,392
1,240.60	4,811	5,845	1,243.15	8,499	22,815
1,240.65	4,883	6,088	1,243.20	8,572	23,242
1,240.70	4,955	6,334	1,243.25	8,644	23,673
1,240.75	5,028	6,583	1,243.30	8,716	24,107
1,240.80	5,100	6,836	1,243.35	8,789	24,544
1,240.85	5,172	7,093	1,243.40	8,861	24,985
1,240.90	5,245	7,354	1,243.45	8,933	25,430
1,240.95	5,317	7,618	1,243.50	9,006	25,879
1,241.00	5,389	7,885	1,243.55	9,078	26,331
1,241.05	5,462	8,156	1,243.60	9,150	26,787
1,241.10	5,534	8,431	1,243.65	9,223	27,246
1,241.15	5,606	8,710	1,243.70	9,295	27,709
1,241.20	5,679	8,992	1,243.75	9,367	28,175
1,241.25	5,751	9,278	1,243.80	9,440	28,646
1,241.30	5,823	9,567	1,243.85	9,512	29,119
1,241.35	5,896	9,860	1,243.90	9,584	29,597
1,241.40	5,968	10,157	1,243.95	9,657	30,078
1,241.45	6,040	10,457	1,244.00	**9,729**	**30,563**
1,241.50	6,113	10,761			

Summary for Pond P3A: Pond 3A

Inflow Area = 10.600 ac, 18.58% Impervious, Inflow Depth = 0.46" for 1 YR event
Inflow = 6.50 cfs @ 12.15 hrs, Volume= 0.402 af
Outflow = 0.56 cfs @ 13.57 hrs, Volume= 0.402 af, Atten= 91%, Lag= 85.5 min
Primary = 0.04 cfs @ 13.57 hrs, Volume= 0.006 af
Routed to Link 4L : Post - North
Secondary = 0.52 cfs @ 13.57 hrs, Volume= 0.396 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,193.37' @ 13.57 hrs Surf.Area= 6,214 sf Storage= 7,129 cf

Plug-Flow detention time= 145.8 min calculated for 0.402 af (100% of inflow)
Center-of-Mass det. time= 145.8 min (1,019.2 - 873.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1,192.00'	51,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

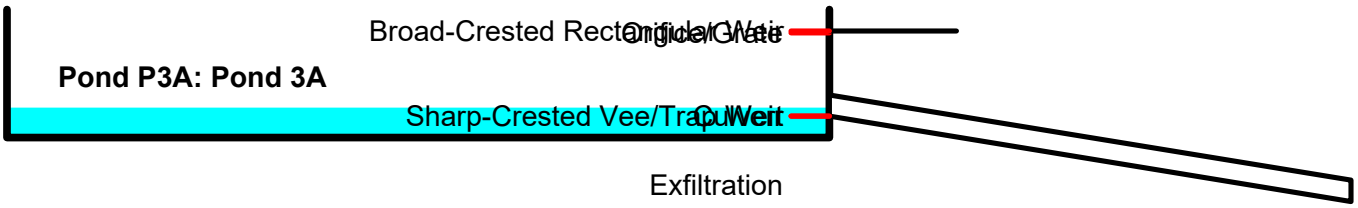
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,192.00	4,165	0	0
1,198.00	13,117	51,846	51,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,193.00'	**12.0" Round Culvert** L= 41.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,193.00' / 1,189.00' S= 0.0976 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,193.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,196.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,192.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,197.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

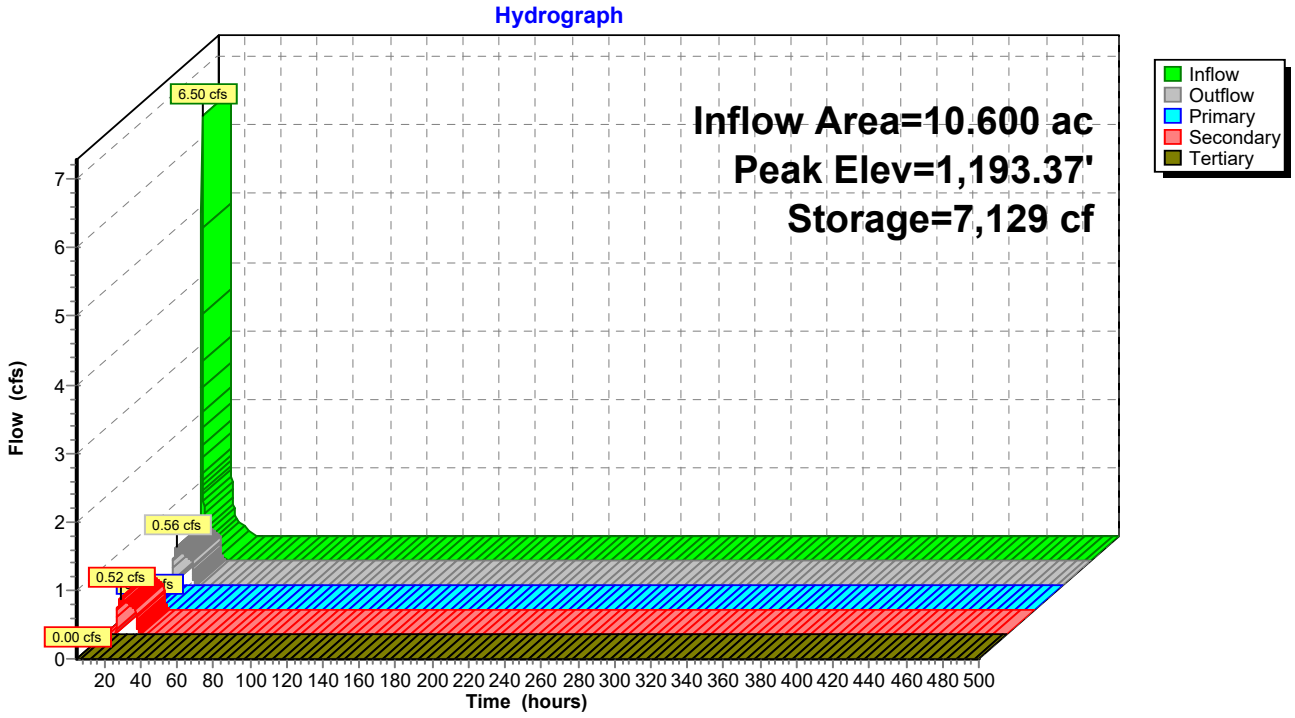
Primary OutFlow Max=0.04 cfs @ 13.57 hrs HW=1,193.37' (Free Discharge)
└**1=Culvert** (Passes 0.04 cfs of 0.56 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.04 cfs @ 1.64 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.52 cfs @ 13.57 hrs HW=1,193.37' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.52 cfs)

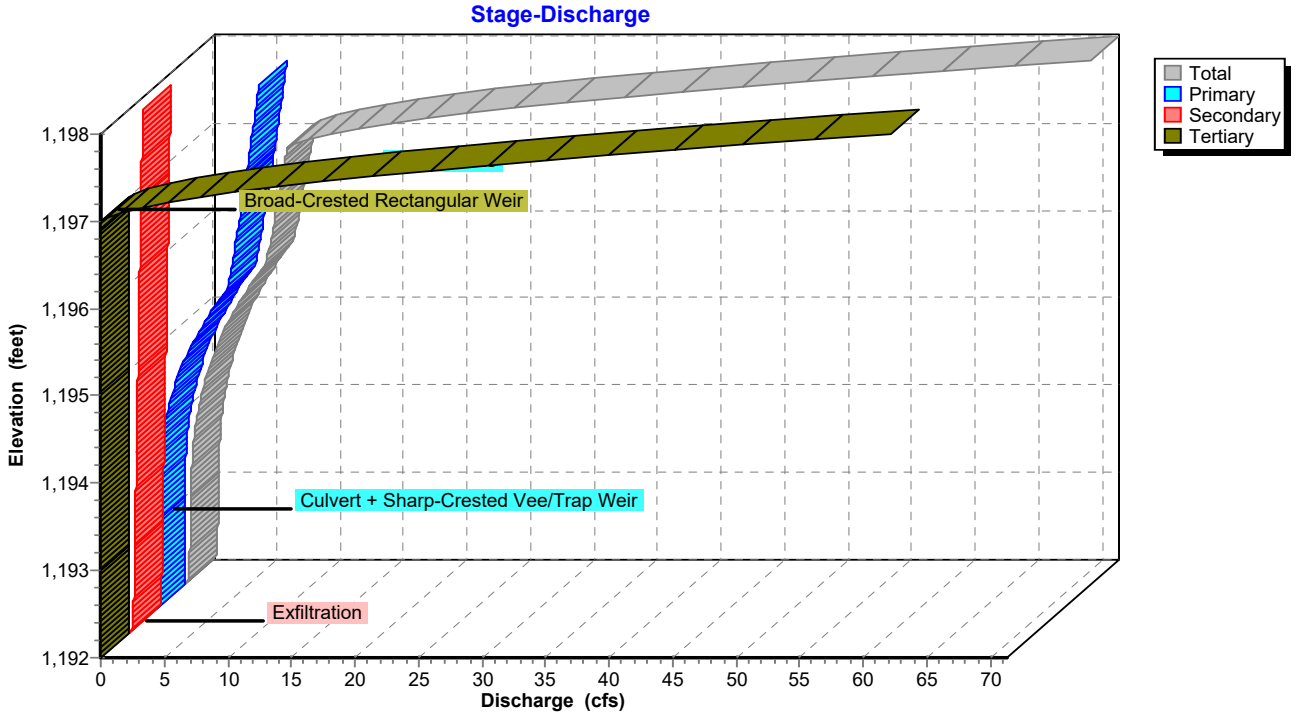
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,192.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



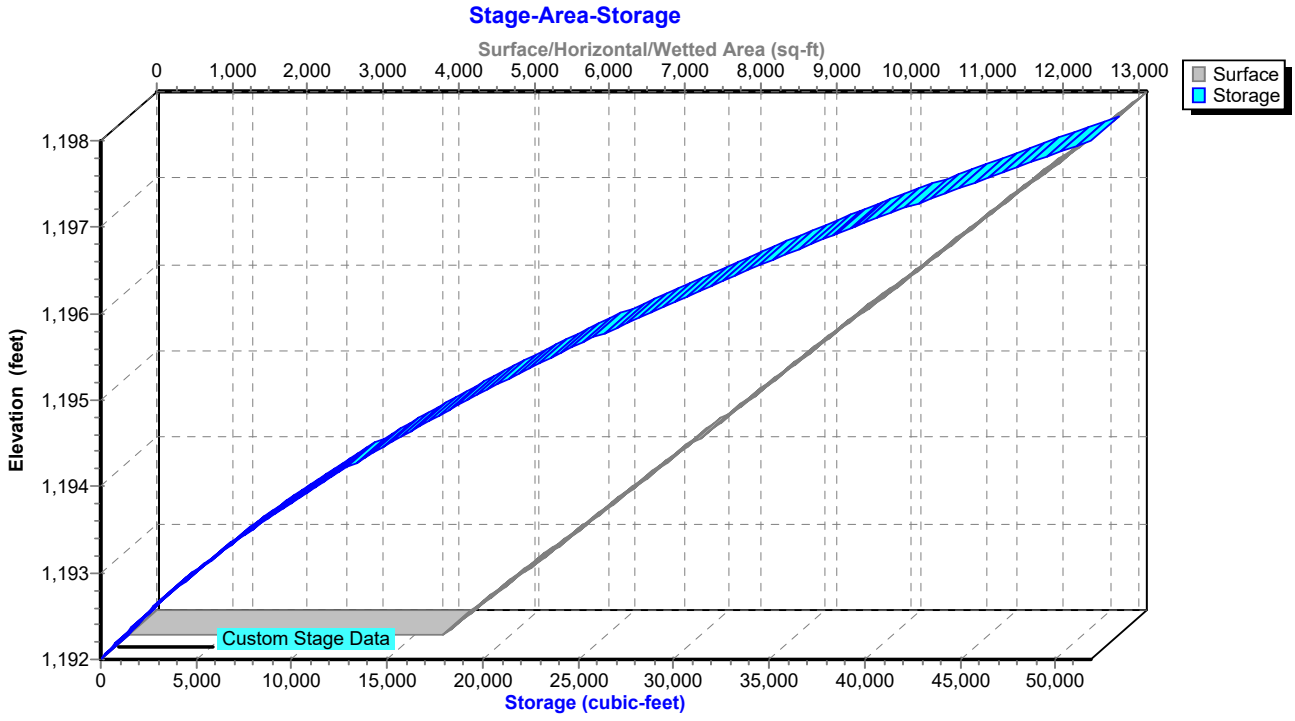
Pond P3A: Pond 3A



Pond P3A: Pond 3A



Pond P3A: Pond 3A



Hydrograph for Pond P3A: Pond 3A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,192.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.40**	**6,518**	**1,193.27**	**0.52**	**0.02**	**0.51**	0.00
25.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3A: Pond 3A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,192.00	0.00	0.00	0.00	0.00
1,192.20	0.37	0.00	0.37	0.00
1,192.40	0.40	0.00	0.40	0.00
1,192.60	0.42	0.00	0.42	0.00
1,192.80	0.45	0.00	0.45	0.00
1,193.00	0.47	0.00	0.47	0.00
1,193.20	0.50	0.01	0.50	0.00
1,193.40	0.57	0.05	0.52	0.00
1,193.60	0.68	0.13	0.55	0.00
1,193.80	0.84	0.27	0.57	0.00
1,194.00	1.07	0.47	0.60	0.00
1,194.20	1.37	0.75	0.62	0.00
1,194.40	1.75	1.10	0.65	0.00
1,194.60	2.21	1.54	0.67	0.00
1,194.80	2.76	2.06	0.70	0.00
1,195.00	3.40	2.68	0.72	0.00
1,195.20	4.15	3.41	0.74	0.00
1,195.40	5.00	4.23	0.77	0.00
1,195.60	5.96	5.17	0.79	0.00
1,195.80	6.55	5.74	0.82	0.00
1,196.00	6.82	5.98	0.84	0.00
1,196.20	7.08	6.21	0.87	0.00
1,196.40	7.33	6.44	0.89	0.00
1,196.60	7.58	6.66	0.92	0.00
1,196.80	7.81	6.87	0.94	0.00
1,197.00	8.04	7.07	0.97	0.00
1,197.20	12.86	7.27	0.99	4.60
1,197.40	22.27	7.47	1.02	13.78
1,197.60	36.21	7.66	1.04	27.51
1,197.80	52.33	7.84	1.07	43.42
1,198.00	**71.29**	**8.02**	**1.09**	**62.18**

Stage-Area-Storage for Pond P3A: Pond 3A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,192.00	4,165	0
1,192.10	4,314	424
1,192.20	4,463	863
1,192.30	4,613	1,317
1,192.40	4,762	1,785
1,192.50	4,911	2,269
1,192.60	5,060	2,768
1,192.70	5,209	3,281
1,192.80	5,359	3,809
1,192.90	5,508	4,353
1,193.00	5,657	4,911
1,193.10	5,806	5,484
1,193.20	5,955	6,072
1,193.30	6,105	6,675
1,193.40	6,254	7,293
1,193.50	6,403	7,926
1,193.60	6,552	8,574
1,193.70	6,701	9,236
1,193.80	6,851	9,914
1,193.90	7,000	10,607
1,194.00	7,149	11,314
1,194.10	7,298	12,036
1,194.20	7,447	12,774
1,194.30	7,597	13,526
1,194.40	7,746	14,293
1,194.50	7,895	15,075
1,194.60	8,044	15,872
1,194.70	8,193	16,684
1,194.80	8,343	17,511
1,194.90	8,492	18,352
1,195.00	8,641	19,209
1,195.10	8,790	20,081
1,195.20	8,939	20,967
1,195.30	9,089	21,868
1,195.40	9,238	22,785
1,195.50	9,387	23,716
1,195.60	9,536	24,662
1,195.70	9,685	25,623
1,195.80	9,835	26,599
1,195.90	9,984	27,590
1,196.00	10,133	28,596
1,196.10	10,282	29,617
1,196.20	10,431	30,652
1,196.30	10,581	31,703
1,196.40	10,730	32,769
1,196.50	10,879	33,849
1,196.60	11,028	34,944
1,196.70	11,177	36,055
1,196.80	11,327	37,180
1,196.90	11,476	38,320
1,197.00	11,625	39,475
1,197.10	11,774	40,645
1,197.20	11,923	41,830
1,197.30	12,073	43,030
1,197.40	12,222	44,244
1,197.50	12,371	45,474
1,197.60	12,520	46,719
1,197.70	12,669	47,978
1,197.80	12,819	49,252
1,197.90	12,968	50,542
1,198.00	**13,117**	**51,846**

Summary for Pond P3B: Pond 3B

Inflow Area = 8.450 ac, 19.88% Impervious, Inflow Depth = 0.49" for 1 YR event
Inflow = 5.75 cfs @ 12.15 hrs, Volume= 0.346 af
Outflow = 0.53 cfs @ 13.52 hrs, Volume= 0.346 af, Atten= 91%, Lag= 82.3 min
Primary = 0.10 cfs @ 13.52 hrs, Volume= 0.017 af
Routed to Link 4L : Post - North
Secondary = 0.44 cfs @ 13.52 hrs, Volume= 0.329 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,196.53' @ 13.52 hrs Surf.Area= 5,245 sf Storage= 6,156 cf

Plug-Flow detention time= 147.6 min calculated for 0.346 af (100% of inflow)
Center-of-Mass det. time= 147.6 min (1,016.9 - 869.3)

Volume	Invert	Avail.Storage	Storage Description
#1	1,195.00'	33,965 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

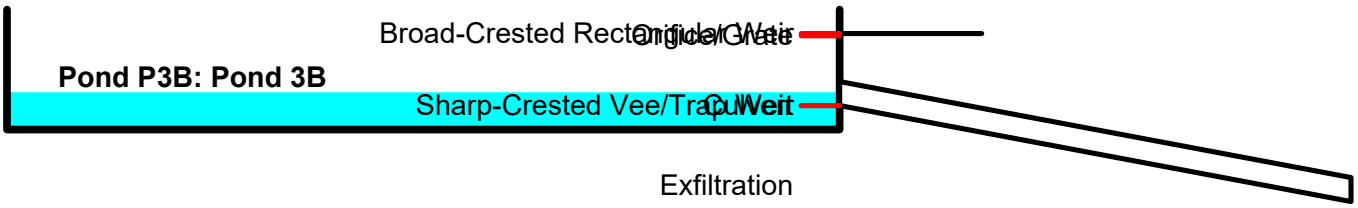
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,195.00	2,799	0	0
1,200.00	10,787	33,965	33,965

Device	Routing	Invert	Outlet Devices
#1	Primary	1,196.00'	**12.0" Round Culvert** L= 36.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,196.00' / 1,192.00' S= 0.1111 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,196.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,198.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,195.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,199.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.10 cfs @ 13.52 hrs HW=1,196.53' (Free Discharge)
└**1=Culvert** (Passes 0.10 cfs of 1.05 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.10 cfs @ 1.96 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

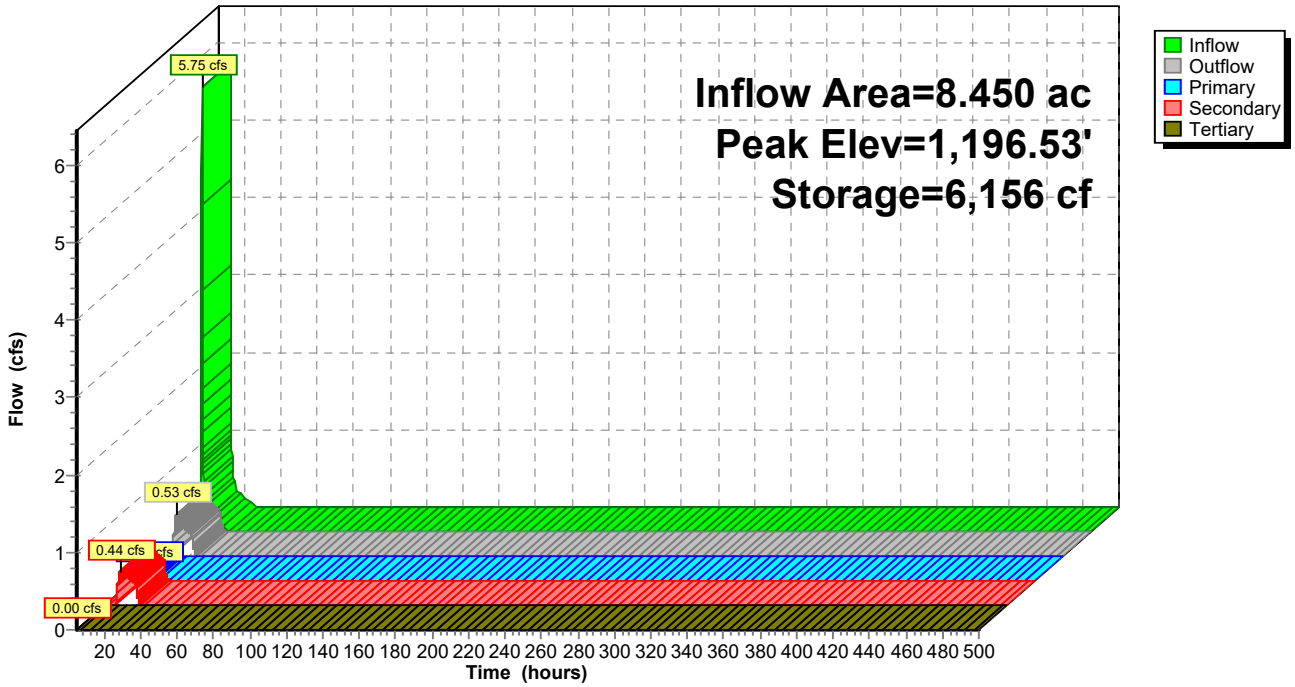
Secondary OutFlow Max=0.44 cfs @ 13.52 hrs HW=1,196.53' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.44 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,195.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

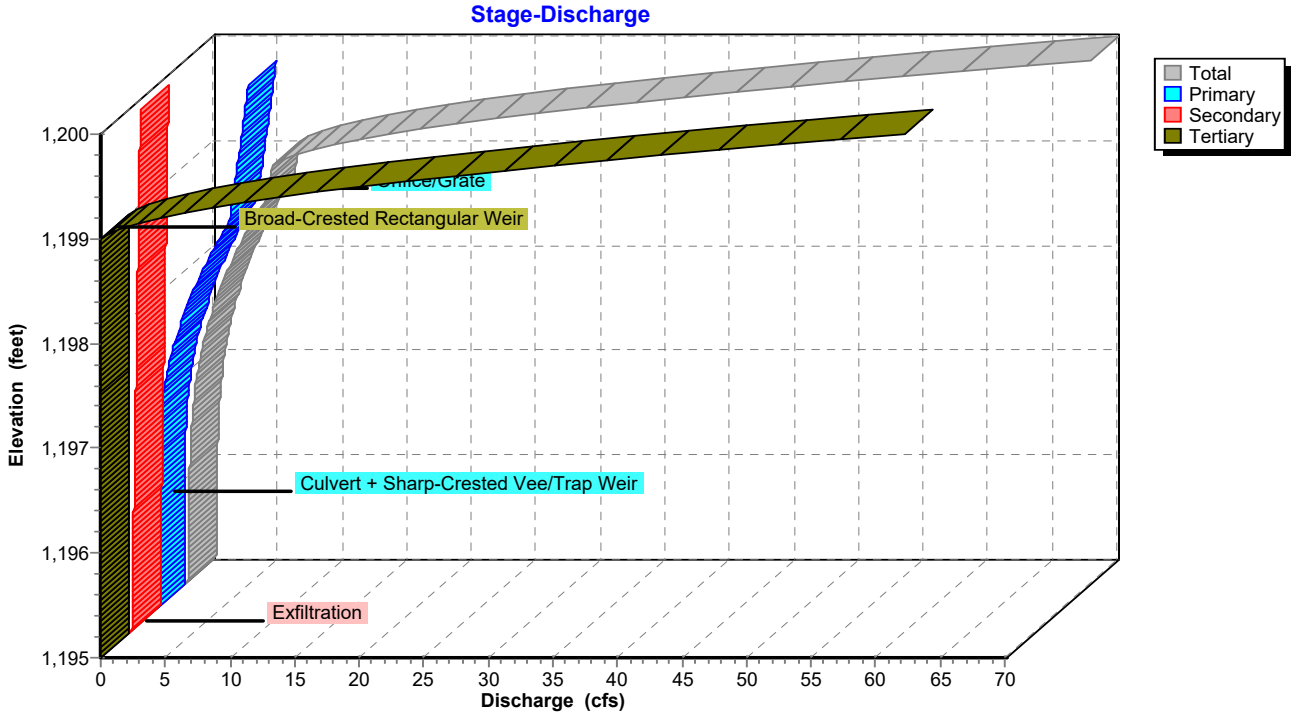


Pond P3B: Pond 3B

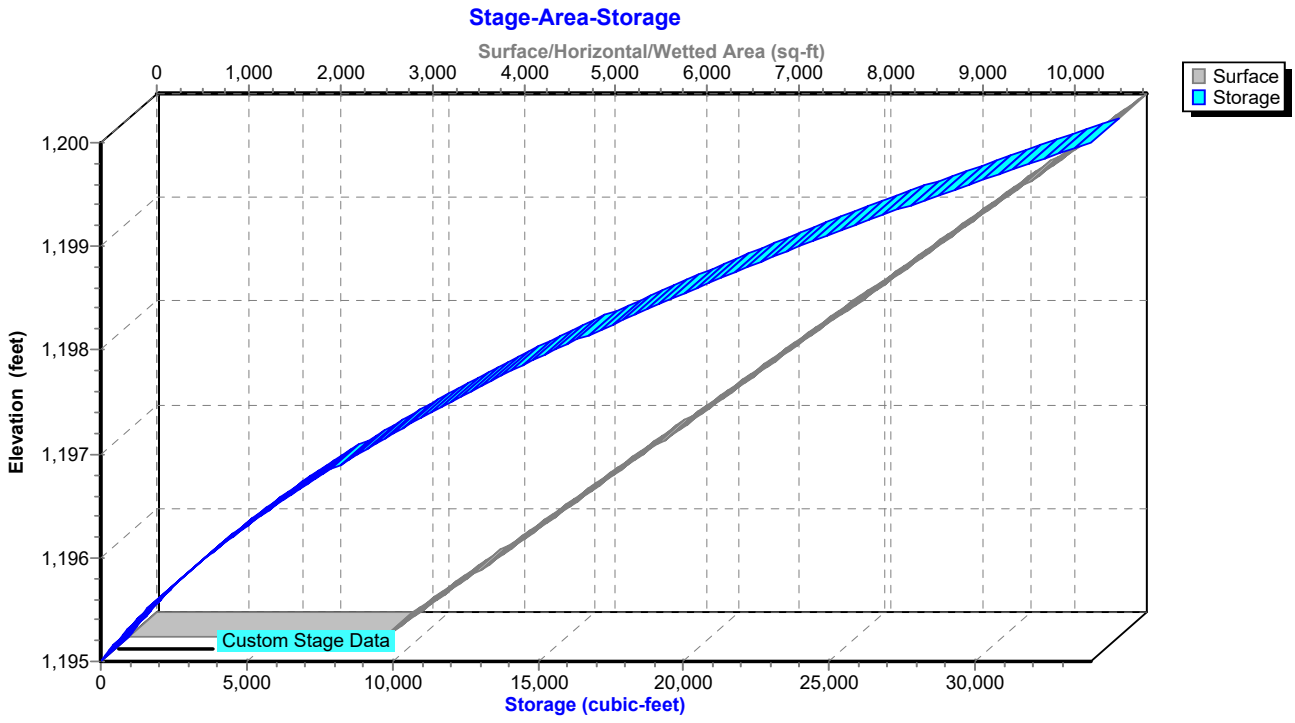
Hydrograph



Pond P3B: Pond 3B



Pond P3B: Pond 3B



Hydrograph for Pond P3B: Pond 3B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,195.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.33**	**5,427**	**1,196.39**	**0.46**	**0.04**	**0.42**	0.00
25.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3B: Pond 3B

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,195.00	0.00	0.00	0.00	0.00
1,195.10	0.25	0.00	0.25	0.00
1,195.20	0.26	0.00	0.26	0.00
1,195.30	0.27	0.00	0.27	0.00
1,195.40	0.29	0.00	0.29	0.00
1,195.50	0.30	0.00	0.30	0.00
1,195.60	0.31	0.00	0.31	0.00
1,195.70	0.33	0.00	0.33	0.00
1,195.80	0.34	0.00	0.34	0.00
1,195.90	0.35	0.00	0.35	0.00
1,196.00	0.37	0.00	0.37	0.00
1,196.10	0.38	0.00	0.38	0.00
1,196.20	0.40	0.01	0.39	0.00
1,196.30	0.43	0.02	0.41	0.00
1,196.40	0.47	0.05	0.42	0.00
1,196.50	0.52	0.08	0.43	0.00
1,196.60	0.58	0.13	0.45	0.00
1,196.70	0.65	0.19	0.46	0.00
1,196.80	0.74	0.27	0.47	0.00
1,196.90	0.85	0.36	0.49	0.00
1,197.00	0.97	0.47	0.50	0.00
1,197.10	1.11	0.60	0.51	0.00
1,197.20	1.27	0.75	0.53	0.00
1,197.30	1.45	0.91	0.54	0.00
1,197.40	1.65	1.10	0.55	0.00
1,197.50	1.87	1.31	0.57	0.00
1,197.60	2.12	1.54	0.58	0.00
1,197.70	2.38	1.79	0.59	0.00
1,197.80	2.67	2.06	0.61	0.00
1,197.90	2.98	2.36	0.62	0.00
1,198.00	3.32	2.68	0.63	0.00
1,198.10	3.68	3.03	0.65	0.00
1,198.20	4.06	3.41	0.66	0.00
1,198.30	4.48	3.81	0.67	0.00
1,198.40	4.92	4.23	0.69	0.00
1,198.50	5.39	4.69	0.70	0.00
1,198.60	5.88	5.17	0.71	0.00
1,198.70	6.33	5.61	0.73	0.00
1,198.80	6.47	5.74	0.74	0.00
1,198.90	6.61	5.86	0.75	0.00
1,199.00	6.75	5.98	0.77	0.00
1,199.10	8.48	6.10	0.78	1.60
1,199.20	11.60	6.21	0.79	4.60
1,199.30	15.83	6.33	0.81	8.70
1,199.40	21.04	6.44	0.82	13.78
1,199.50	27.47	6.55	0.83	20.08
1,199.60	35.01	6.66	0.85	27.51
1,199.70	42.73	6.76	0.86	35.10
1,199.80	51.17	6.87	0.87	43.42
1,199.90	60.31	6.97	0.89	52.45
1,200.00	**70.15**	**7.07**	**0.90**	**62.18**

Stage-Area-Storage for Pond P3B: Pond 3B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,195.00	2,799	0
1,195.05	2,879	142
1,195.10	2,959	288
1,195.15	3,039	438
1,195.20	3,119	592
1,195.25	3,198	750
1,195.30	3,278	912
1,195.35	3,358	1,078
1,195.40	3,438	1,247
1,195.45	3,518	1,421
1,195.50	3,598	1,599
1,195.55	3,678	1,781
1,195.60	3,758	1,967
1,195.65	3,837	2,157
1,195.70	3,917	2,351
1,195.75	3,997	2,549
1,195.80	4,077	2,750
1,195.85	4,157	2,956
1,195.90	4,237	3,166
1,195.95	4,317	3,380
1,196.00	4,397	3,598
1,196.05	4,476	3,820
1,196.10	4,556	4,045
1,196.15	4,636	4,275
1,196.20	4,716	4,509
1,196.25	4,796	4,747
1,196.30	4,876	4,989
1,196.35	4,956	5,234
1,196.40	5,036	5,484
1,196.45	5,116	5,738
1,196.50	5,195	5,996
1,196.55	5,275	6,258
1,196.60	5,355	6,523
1,196.65	5,435	6,793
1,196.70	5,515	7,067
1,196.75	5,595	7,345
1,196.80	5,675	7,626
1,196.85	5,755	7,912
1,196.90	5,834	8,202
1,196.95	5,914	8,495
1,197.00	5,994	8,793
1,197.05	6,074	9,095
1,197.10	6,154	9,401
1,197.15	6,234	9,710
1,197.20	6,314	10,024
1,197.25	6,394	10,342
1,197.30	6,473	10,663
1,197.35	6,553	10,989
1,197.40	6,633	11,319
1,197.45	6,713	11,652
1,197.50	6,793	11,990
1,197.55	6,873	12,332
1,197.60	6,953	12,677
1,197.65	7,033	13,027
1,197.70	7,113	13,381
1,197.75	7,192	13,738
1,197.80	7,272	14,100
1,197.85	7,352	14,465
1,197.90	7,432	14,835
1,197.95	7,512	15,209
1,198.00	7,592	15,586
1,198.05	7,672	15,968
1,198.10	7,752	16,353
1,198.15	7,831	16,743
1,198.20	7,911	17,137
1,198.25	7,991	17,534
1,198.30	8,071	17,936
1,198.35	8,151	18,341
1,198.40	8,231	18,751
1,198.45	8,311	19,164
1,198.50	8,391	19,582
1,198.55	8,470	20,003
1,198.60	8,550	20,429
1,198.65	8,630	20,858
1,198.70	8,710	21,292
1,198.75	8,790	21,729
1,198.80	8,870	22,171
1,198.85	8,950	22,616
1,198.90	9,030	23,066
1,198.95	9,110	23,519
1,199.00	9,189	23,977
1,199.05	9,269	24,438
1,199.10	9,349	24,904
1,199.15	9,429	25,373
1,199.20	9,509	25,847
1,199.25	9,589	26,324
1,199.30	9,669	26,806
1,199.35	9,749	27,291
1,199.40	9,828	27,780
1,199.45	9,908	28,274
1,199.50	9,988	28,771
1,199.55	10,068	29,273
1,199.60	10,148	29,778
1,199.65	10,228	30,287
1,199.70	10,308	30,801
1,199.75	10,388	31,318
1,199.80	10,467	31,840
1,199.85	10,547	32,365
1,199.90	10,627	32,894
1,199.95	10,707	33,428
1,200.00	**10,787**	**33,965**

Summary for Pond P3C: Pond 3C

Inflow Area = 2.490 ac, 22.89% Impervious, Inflow Depth = 0.65" for 1 YR event
Inflow = 2.42 cfs @ 12.14 hrs, Volume= 0.135 af
Outflow = 0.23 cfs @ 13.33 hrs, Volume= 0.135 af, Atten= 90%, Lag= 71.5 min
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 4L : Post - North
Secondary = 0.23 cfs @ 13.33 hrs, Volume= 0.135 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,178.99' @ 13.33 hrs Surf.Area= 2,797 sf Storage= 2,322 cf

Plug-Flow detention time= 97.9 min calculated for 0.135 af (100% of inflow)
Center-of-Mass det. time= 97.9 min (952.3 - 854.5)

Volume	Invert	Avail.Storage	Storage Description
#1	1,178.00'	14,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

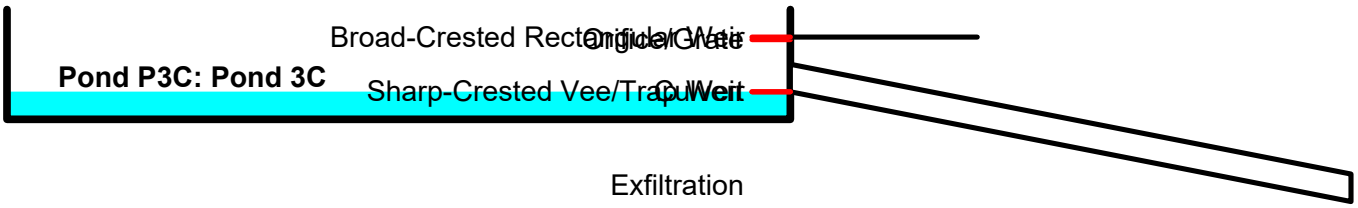
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,178.00	1,905	0	0
1,182.00	5,518	14,846	14,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,179.00'	**12.0" Round Culvert** L= 30.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,179.00' / 1,175.00' S= 0.1333 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,179.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,180.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,178.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,181.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,178.00' (Free Discharge)
└**1=Culvert** (Controls 0.00 cfs)
└**2=Sharp-Crested Vee/Trap Weir** (Controls 0.00 cfs)
└**3=Orifice/Grate** (Controls 0.00 cfs)

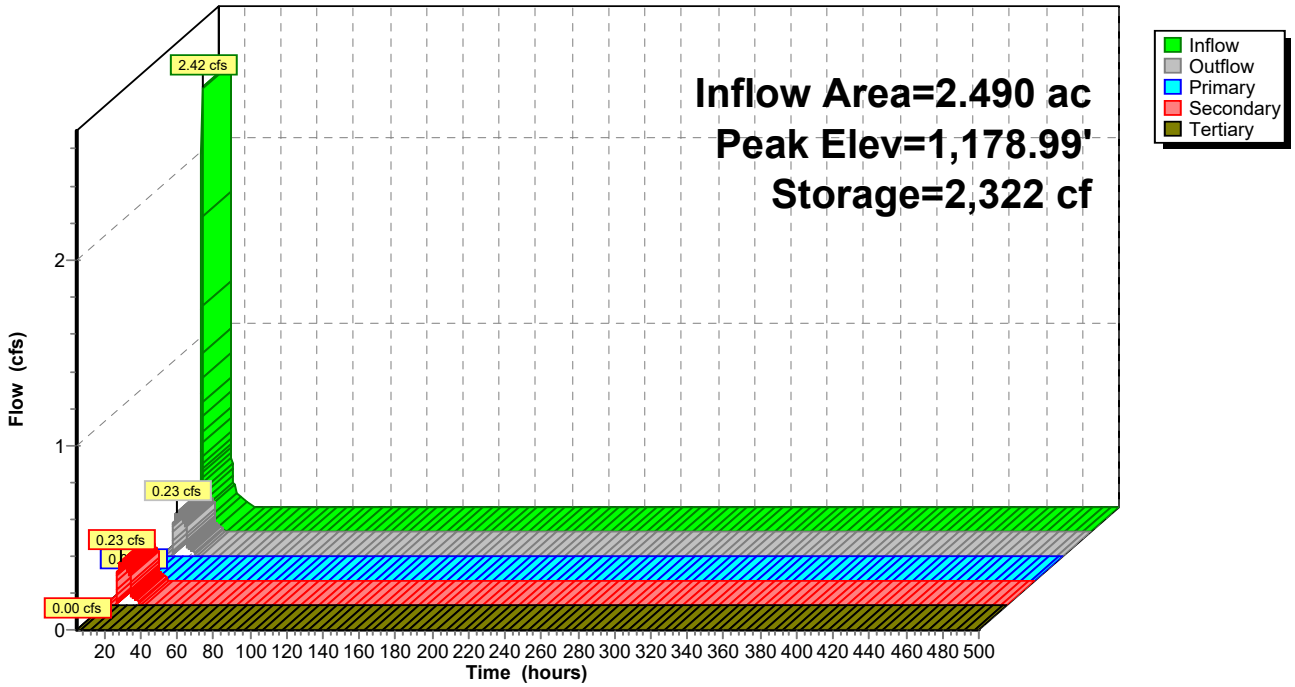
Secondary OutFlow Max=0.23 cfs @ 13.33 hrs HW=1,178.99' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.23 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,178.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

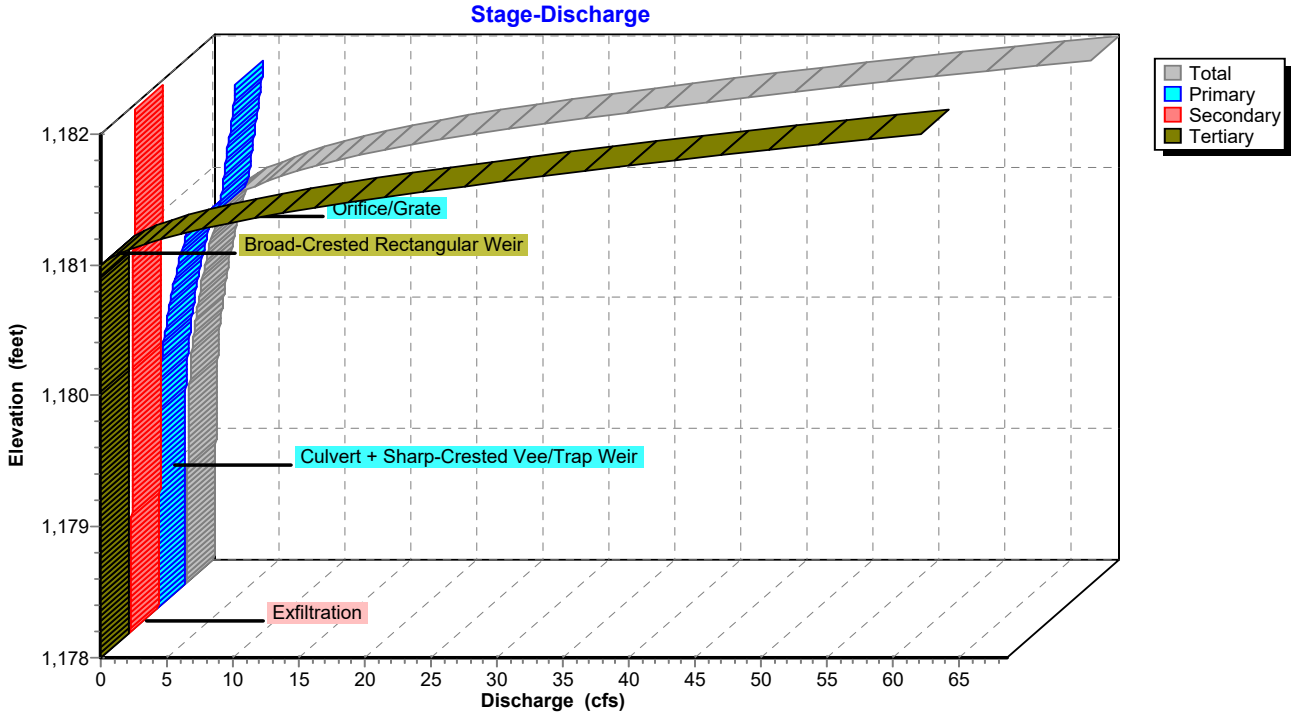


Pond P3C: Pond 3C

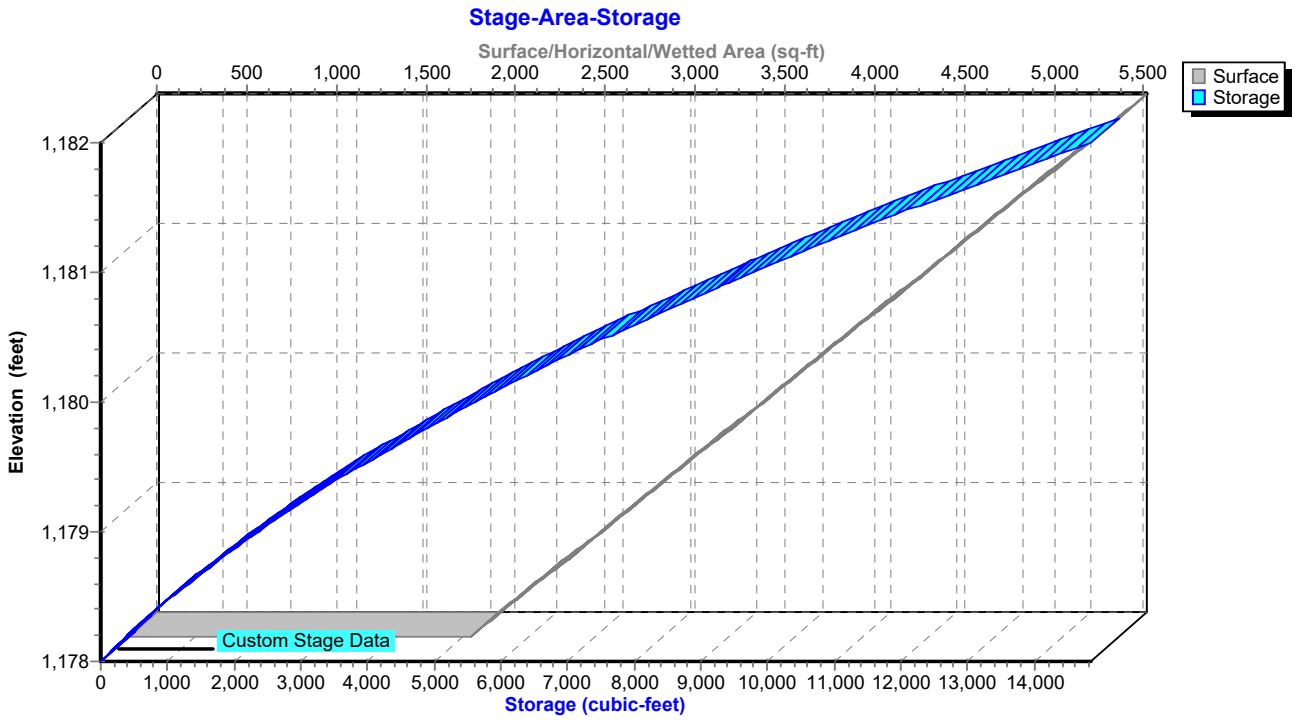
Hydrograph



Pond P3C: Pond 3C



Pond P3C: Pond 3C



Hydrograph for Pond P3C: Pond 3C

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,178.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.12**	**1,792**	**1,178.79**	**0.22**	0.00	**0.22**	0.00
25.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3C: Pond 3C

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,178.00	0.00	0.00	0.00	0.00
1,178.10	0.17	0.00	0.17	0.00
1,178.20	0.17	0.00	0.17	0.00
1,178.30	0.18	0.00	0.18	0.00
1,178.40	0.19	0.00	0.19	0.00
1,178.50	0.20	0.00	0.20	0.00
1,178.60	0.20	0.00	0.20	0.00
1,178.70	0.21	0.00	0.21	0.00
1,178.80	0.22	0.00	0.22	0.00
1,178.90	0.23	0.00	0.23	0.00
1,179.00	0.23	0.00	0.23	0.00
1,179.10	0.24	0.00	0.24	0.00
1,179.20	0.26	0.01	0.25	0.00
1,179.30	0.28	0.02	0.26	0.00
1,179.40	0.31	0.05	0.26	0.00
1,179.50	0.36	0.08	0.27	0.00
1,179.60	0.41	0.13	0.28	0.00
1,179.70	0.48	0.19	0.29	0.00
1,179.80	0.57	0.27	0.29	0.00
1,179.90	0.67	0.36	0.30	0.00
1,180.00	0.78	0.47	0.31	0.00
1,180.10	0.92	0.60	0.32	0.00
1,180.20	1.07	0.75	0.32	0.00
1,180.30	1.25	0.91	0.33	0.00
1,180.40	1.44	1.10	0.34	0.00
1,180.50	1.65	1.31	0.35	0.00
1,180.60	1.89	1.54	0.35	0.00
1,180.70	2.15	1.79	0.36	0.00
1,180.80	2.43	2.06	0.37	0.00
1,180.90	2.74	2.36	0.38	0.00
1,181.00	4.10	3.72	0.38	0.00
1,181.10	6.78	4.78	0.39	1.60
1,181.20	9.93	4.93	0.40	4.60
1,181.30	14.18	5.07	0.41	8.70
1,181.40	19.41	5.21	0.41	13.78
1,181.50	25.85	5.35	0.42	20.08
1,181.60	33.42	5.48	0.43	27.51
1,181.70	41.15	5.61	0.44	35.10
1,181.80	49.60	5.74	0.44	43.42
1,181.90	58.76	5.86	0.45	52.45
1,182.00	**68.62**	**5.98**	**0.46**	**62.18**

Stage-Area-Storage for Pond P3C: Pond 3C

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,178.00	1,905	0
1,178.05	1,950	96
1,178.10	1,995	195
1,178.15	2,040	296
1,178.20	2,086	399
1,178.25	2,131	504
1,178.30	2,176	612
1,178.35	2,221	722
1,178.40	2,266	834
1,178.45	2,311	949
1,178.50	2,357	1,065
1,178.55	2,402	1,184
1,178.60	2,447	1,306
1,178.65	2,492	1,429
1,178.70	2,537	1,555
1,178.75	2,582	1,683
1,178.80	2,628	1,813
1,178.85	2,673	1,946
1,178.90	2,718	2,080
1,178.95	2,763	2,217
1,179.00	2,808	2,357
1,179.05	2,853	2,498
1,179.10	2,899	2,642
1,179.15	2,944	2,788
1,179.20	2,989	2,936
1,179.25	3,034	3,087
1,179.30	3,079	3,240
1,179.35	3,124	3,395
1,179.40	3,170	3,552
1,179.45	3,215	3,712
1,179.50	3,260	3,874
1,179.55	3,305	4,038
1,179.60	3,350	4,204
1,179.65	3,395	4,373
1,179.70	3,441	4,544
1,179.75	3,486	4,717
1,179.80	3,531	4,892
1,179.85	3,576	5,070
1,179.90	3,621	5,250
1,179.95	3,666	5,432
1,180.00	3,712	5,617
1,180.05	3,757	5,803
1,180.10	3,802	5,992
1,180.15	3,847	6,183
1,180.20	3,892	6,377
1,180.25	3,937	6,573
1,180.30	3,982	6,771
1,180.35	4,028	6,971
1,180.40	4,073	7,173
1,180.45	4,118	7,378
1,180.50	4,163	7,585
1,180.55	4,208	7,794
1,180.60	4,253	8,006
1,180.65	4,299	8,220
1,180.70	4,344	8,436
1,180.75	4,389	8,654
1,180.80	4,434	8,875
1,180.85	4,479	9,098
1,180.90	4,524	9,323
1,180.95	4,570	9,550
1,181.00	4,615	9,780
1,181.05	4,660	10,011
1,181.10	4,705	10,246
1,181.15	4,750	10,482
1,181.20	4,795	10,721
1,181.25	4,841	10,962
1,181.30	4,886	11,205
1,181.35	4,931	11,450
1,181.40	4,976	11,698
1,181.45	5,021	11,948
1,181.50	5,066	12,200
1,181.55	5,112	12,454
1,181.60	5,157	12,711
1,181.65	5,202	12,970
1,181.70	5,247	13,231
1,181.75	5,292	13,495
1,181.80	5,337	13,760
1,181.85	5,383	14,028
1,181.90	5,428	14,299
1,181.95	5,473	14,571
1,182.00	**5,518**	**14,846**

Summary for Pond P3D: Pond 3D

Inflow Area = 2.380 ac, 23.95% Impervious, Inflow Depth = 0.69" for 1 YR event
Inflow = 2.49 cfs @ 12.14 hrs, Volume= 0.138 af
Outflow = 0.37 cfs @ 12.65 hrs, Volume= 0.138 af, Atten= 85%, Lag= 30.7 min
Primary = 0.22 cfs @ 12.65 hrs, Volume= 0.031 af
Routed to Link 4L : Post - North
Secondary = 0.15 cfs @ 12.65 hrs, Volume= 0.107 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,188.74' @ 12.65 hrs Surf.Area= 1,840 sf Storage= 2,240 cf

Plug-Flow detention time= 118.3 min calculated for 0.138 af (100% of inflow)
Center-of-Mass det. time= 118.3 min (969.4 - 851.1)

Volume	Invert	Avail.Storage	Storage Description
#1	1,187.00'	11,620 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

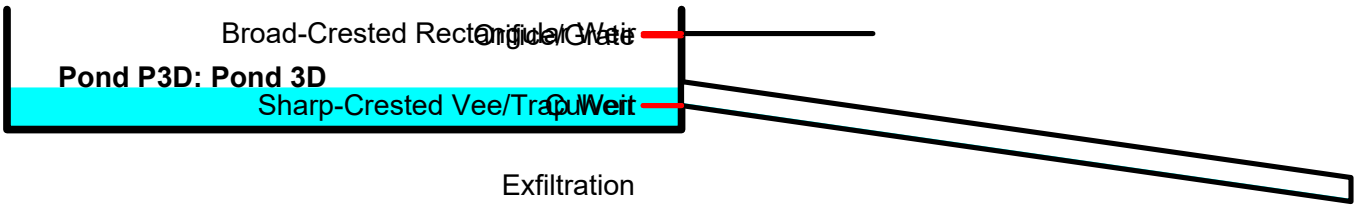
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,187.00	741	0	0
1,192.00	3,907	11,620	11,620

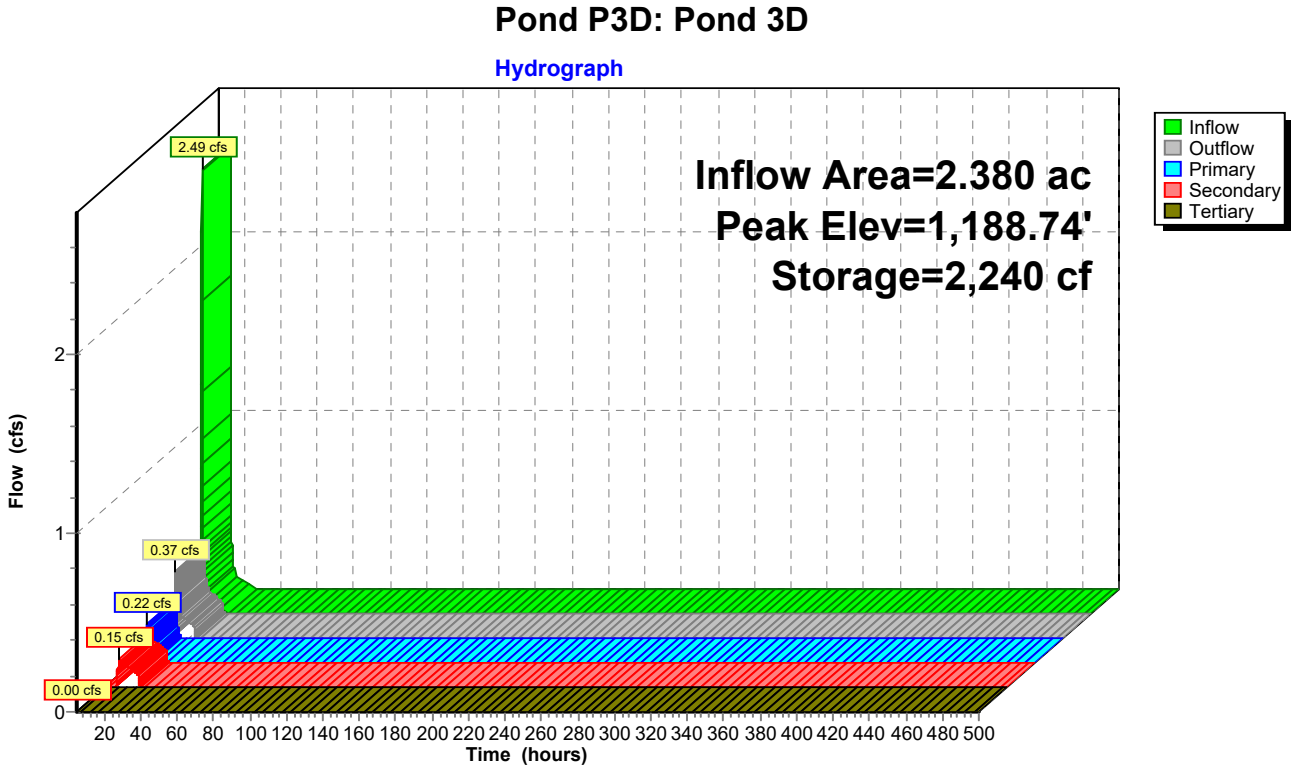
Device	Routing	Invert	Outlet Devices
#1	Primary	1,188.00'	**12.0" Round Culvert** L= 35.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,188.00' / 1,184.00' S= 0.1143 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,188.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,190.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,187.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,191.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.22 cfs @ 12.65 hrs HW=1,188.74' (Free Discharge)
└**1=Culvert** (Passes 0.22 cfs of 1.81 cfs potential flow)
└**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.22 cfs @ 2.31 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

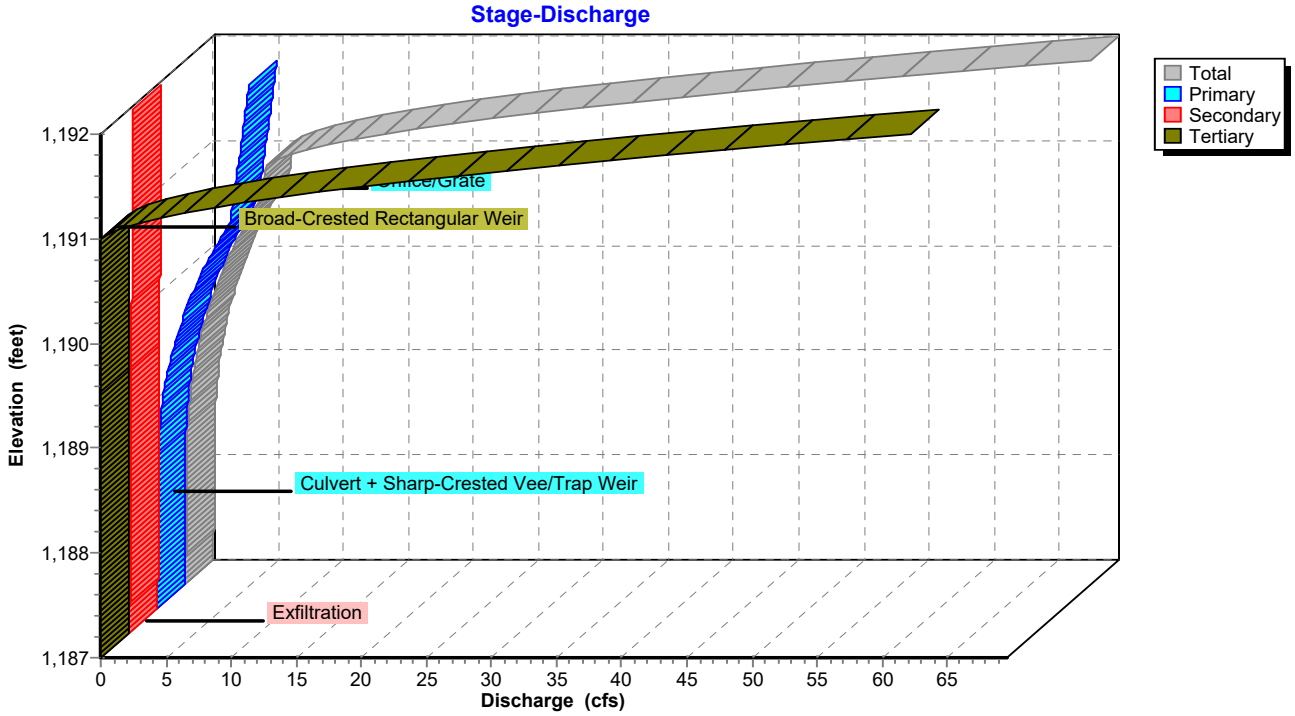
Secondary OutFlow Max=0.15 cfs @ 12.65 hrs HW=1,188.74' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.15 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,187.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

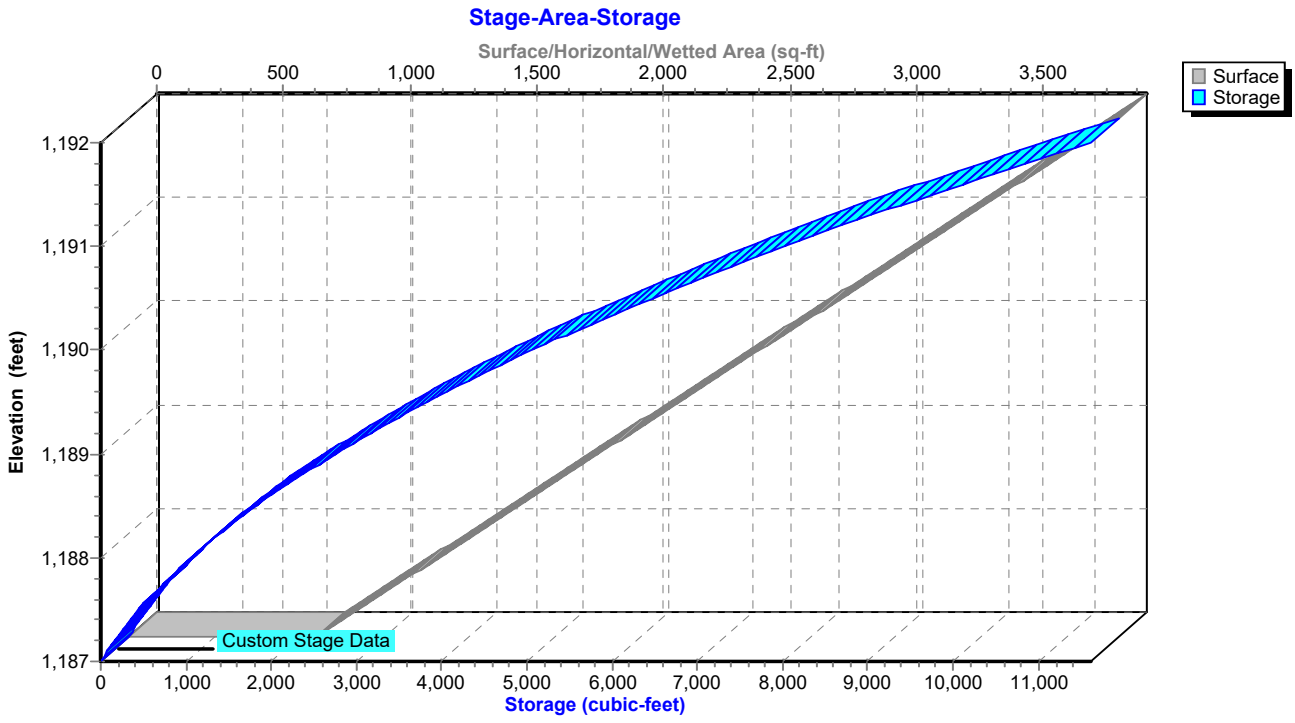

Broad-Crested Rectangular Weir
Orifice/Grate
Pond P3D: Pond 3D
Sharp-Crested Vee/Trap Weir
Exfiltration


Pond P3D: Pond 3D
Hydrograph
Inflow Area=2.380 ac
Peak Elev=1,188.74'
Storage=2,240 cf
Inflow
Outflow
Primary
Secondary
Tertiary
2.49 cfs
0.37 cfs
0.22 cfs
0.15 cfs
0.00 cfs
Flow (cfs)
0
1
2
20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500
Time (hours)

Pond P3D: Pond 3D



Pond P3D: Pond 3D



Hydrograph for Pond P3D: Pond 3D

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,187.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.12**	**1,584**	**1,188.35**	**0.17**	**0.04**	**0.13**	0.00
25.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3D: Pond 3D

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,187.00	0.00	0.00	0.00	0.00
1,187.10	0.07	0.00	0.07	0.00
1,187.20	0.07	0.00	0.07	0.00
1,187.30	0.08	0.00	0.08	0.00
1,187.40	0.08	0.00	0.08	0.00
1,187.50	0.09	0.00	0.09	0.00
1,187.60	0.09	0.00	0.09	0.00
1,187.70	0.10	0.00	0.10	0.00
1,187.80	0.10	0.00	0.10	0.00
1,187.90	0.11	0.00	0.11	0.00
1,188.00	0.11	0.00	0.11	0.00
1,188.10	0.12	0.00	0.12	0.00
1,188.20	0.13	0.01	0.13	0.00
1,188.30	0.15	0.02	0.13	0.00
1,188.40	0.18	0.05	0.14	0.00
1,188.50	0.22	0.08	0.14	0.00
1,188.60	0.28	0.13	0.15	0.00
1,188.70	0.35	0.19	0.15	0.00
1,188.80	0.43	0.27	0.16	0.00
1,188.90	0.53	0.36	0.16	0.00
1,189.00	0.64	0.47	0.17	0.00
1,189.10	0.77	0.60	0.17	0.00
1,189.20	0.93	0.75	0.18	0.00
1,189.30	1.10	0.91	0.18	0.00
1,189.40	1.29	1.10	0.19	0.00
1,189.50	1.50	1.31	0.19	0.00
1,189.60	1.73	1.54	0.20	0.00
1,189.70	1.99	1.79	0.20	0.00
1,189.80	2.27	2.06	0.21	0.00
1,189.90	2.58	2.36	0.21	0.00
1,190.00	2.90	2.68	0.22	0.00
1,190.10	3.26	3.03	0.23	0.00
1,190.20	3.64	3.41	0.23	0.00
1,190.30	4.04	3.81	0.24	0.00
1,190.40	4.47	4.23	0.24	0.00
1,190.50	4.93	4.69	0.25	0.00
1,190.60	5.42	5.17	0.25	0.00
1,190.70	5.87	5.61	0.26	0.00
1,190.80	6.00	5.74	0.26	0.00
1,190.90	6.13	5.86	0.27	0.00
1,191.00	6.25	5.98	0.27	0.00
1,191.10	7.98	6.10	0.28	1.60
1,191.20	11.09	6.21	0.28	4.60
1,191.30	15.31	6.33	0.29	8.70
1,191.40	20.52	6.44	0.29	13.78
1,191.50	26.93	6.55	0.30	20.08
1,191.60	34.47	6.66	0.30	27.51
1,191.70	42.18	6.76	0.31	35.10
1,191.80	50.61	6.87	0.32	43.42
1,191.90	59.75	6.97	0.32	52.45
1,192.00	**69.58**	**7.07**	**0.33**	**62.18**

Stage-Area-Storage for Pond P3D: Pond 3D

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,187.00	741	0
1,187.05	773	38
1,187.10	804	77
1,187.15	836	118
1,187.20	868	161
1,187.25	899	205
1,187.30	931	251
1,187.35	963	298
1,187.40	994	347
1,187.45	1,026	398
1,187.50	1,058	450
1,187.55	1,089	503
1,187.60	1,121	559
1,187.65	1,153	615
1,187.70	1,184	674
1,187.75	1,216	734
1,187.80	1,248	795
1,187.85	1,279	859
1,187.90	1,311	923
1,187.95	1,343	990
1,188.00	1,374	1,058
1,188.05	1,406	1,127
1,188.10	1,438	1,198
1,188.15	1,469	1,271
1,188.20	1,501	1,345
1,188.25	1,533	1,421
1,188.30	1,564	1,498
1,188.35	1,596	1,577
1,188.40	1,627	1,658
1,188.45	1,659	1,740
1,188.50	1,691	1,824
1,188.55	1,722	1,909
1,188.60	1,754	1,996
1,188.65	1,786	2,085
1,188.70	1,817	2,175
1,188.75	1,849	2,266
1,188.80	1,881	2,360
1,188.85	1,912	2,454
1,188.90	1,944	2,551
1,188.95	1,976	2,649
1,189.00	2,007	2,748
1,189.05	2,039	2,850
1,189.10	2,071	2,952
1,189.15	2,102	3,057
1,189.20	2,134	3,163
1,189.25	2,166	3,270
1,189.30	2,197	3,379
1,189.35	2,229	3,490
1,189.40	2,261	3,602
1,189.45	2,292	3,716
1,189.50	2,324	3,831
1,189.55	2,356	3,948
1,189.60	2,387	4,067
1,189.65	2,419	4,187
1,189.70	2,451	4,309
1,189.75	2,482	4,432
1,189.80	2,514	4,557
1,189.85	2,546	4,683
1,189.90	2,577	4,812
1,189.95	2,609	4,941
1,190.00	2,641	5,072
1,190.05	2,672	5,205
1,190.10	2,704	5,340
1,190.15	2,736	5,476
1,190.20	2,767	5,613
1,190.25	2,799	5,752
1,190.30	2,831	5,893
1,190.35	2,862	6,035
1,190.40	2,894	6,179
1,190.45	2,926	6,325
1,190.50	2,957	6,472
1,190.55	2,989	6,621
1,190.60	3,021	6,771
1,190.65	3,052	6,923
1,190.70	3,084	7,076
1,190.75	3,116	7,231
1,190.80	3,147	7,388
1,190.85	3,179	7,546
1,190.90	3,210	7,705
1,190.95	3,242	7,867
1,191.00	3,274	8,030
1,191.05	3,305	8,194
1,191.10	3,337	8,360
1,191.15	3,369	8,528
1,191.20	3,400	8,697
1,191.25	3,432	8,868
1,191.30	3,464	9,040
1,191.35	3,495	9,214
1,191.40	3,527	9,390
1,191.45	3,559	9,567
1,191.50	3,590	9,746
1,191.55	3,622	9,926
1,191.60	3,654	10,108
1,191.65	3,685	10,291
1,191.70	3,717	10,476
1,191.75	3,749	10,663
1,191.80	3,780	10,851
1,191.85	3,812	11,041
1,191.90	3,844	11,232
1,191.95	3,875	11,425
1,192.00	**3,907**	**11,620**

Summary for Pond P3E: Pond 3E

Inflow Area = 2.780 ac, 19.06% Impervious, Inflow Depth = 0.61" for 1 YR event
Inflow = 2.49 cfs @ 12.14 hrs, Volume= 0.141 af
Outflow = 0.26 cfs @ 13.29 hrs, Volume= 0.141 af, Atten= 90%, Lag= 69.0 min
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Link 4L : Post - North
Secondary = 0.26 cfs @ 13.29 hrs, Volume= 0.141 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,216.82' @ 13.29 hrs Surf.Area= 3,080 sf Storage= 2,290 cf

Plug-Flow detention time= 82.8 min calculated for 0.141 af (100% of inflow)
Center-of-Mass det. time= 82.8 min (940.8 - 858.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1,216.00'	15,578 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

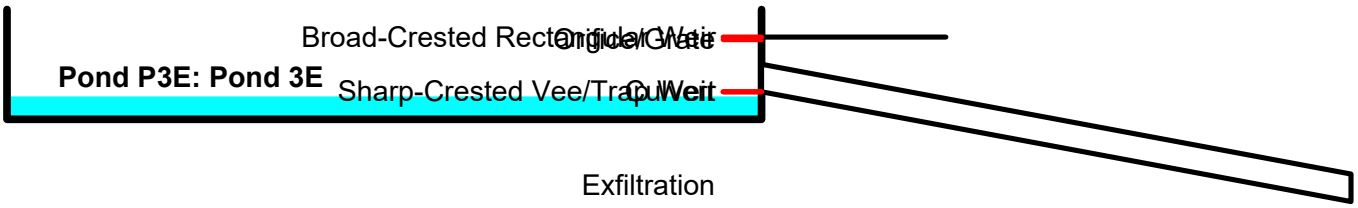
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,216.00	2,517	0	0
1,220.00	5,272	15,578	15,578

Device	Routing	Invert	Outlet Devices
#1	Primary	1,217.00'	**12.0" Round Culvert** L= 32.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,217.00' / 1,213.00' S= 0.1250 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,217.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,218.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,216.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,219.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

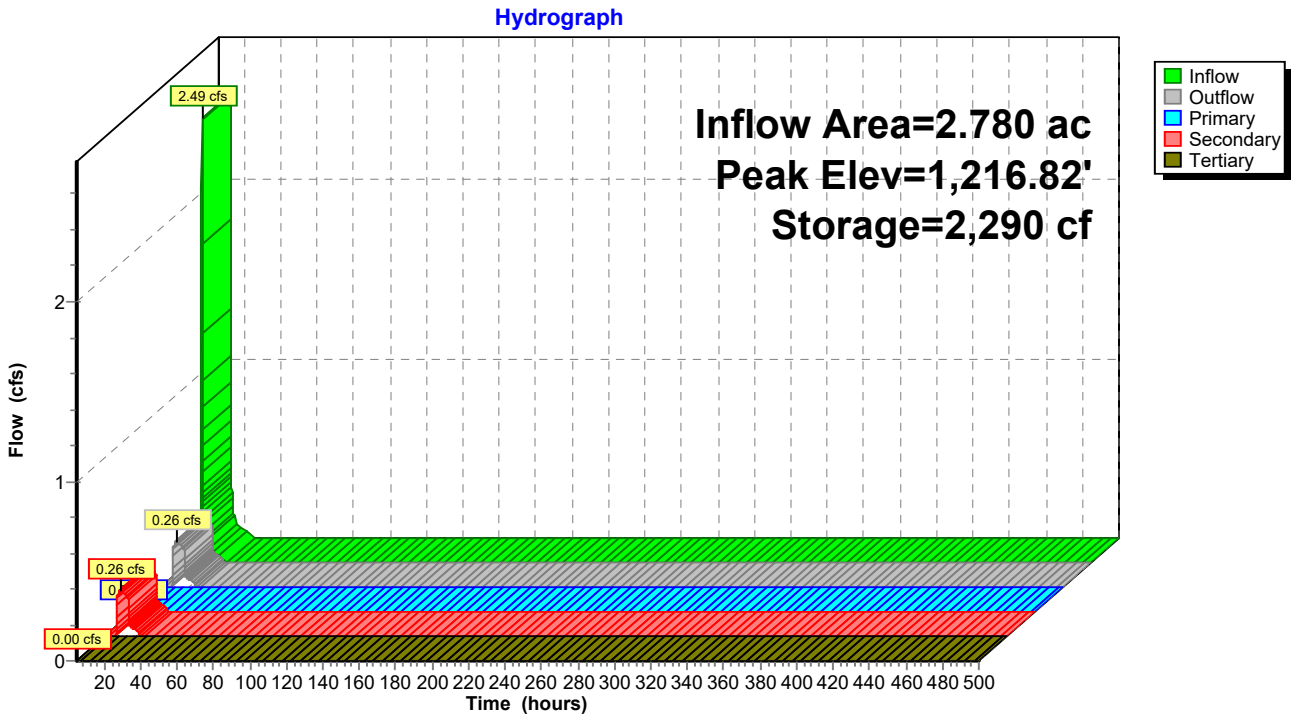
Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,216.00' (Free Discharge)
└**1=Culvert** (Controls 0.00 cfs)
└**2=Sharp-Crested Vee/Trap Weir** (Controls 0.00 cfs)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.26 cfs @ 13.29 hrs HW=1,216.82' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.26 cfs)

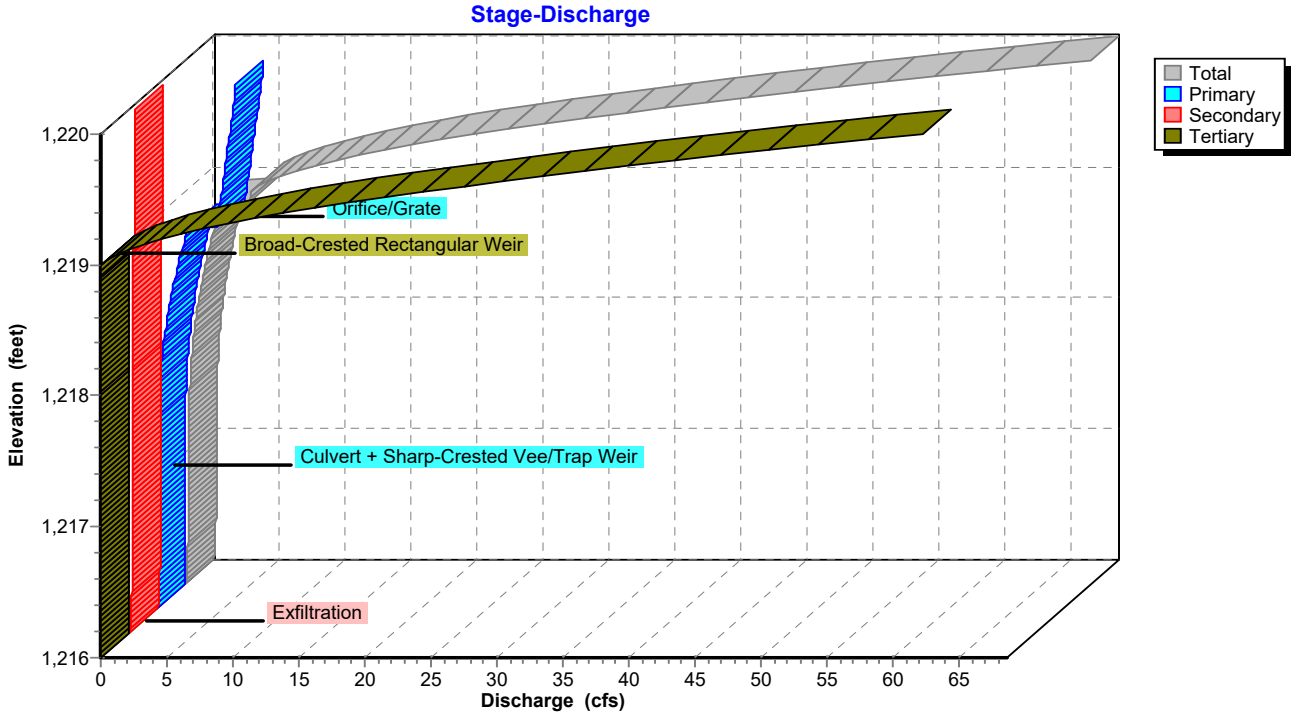
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,216.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



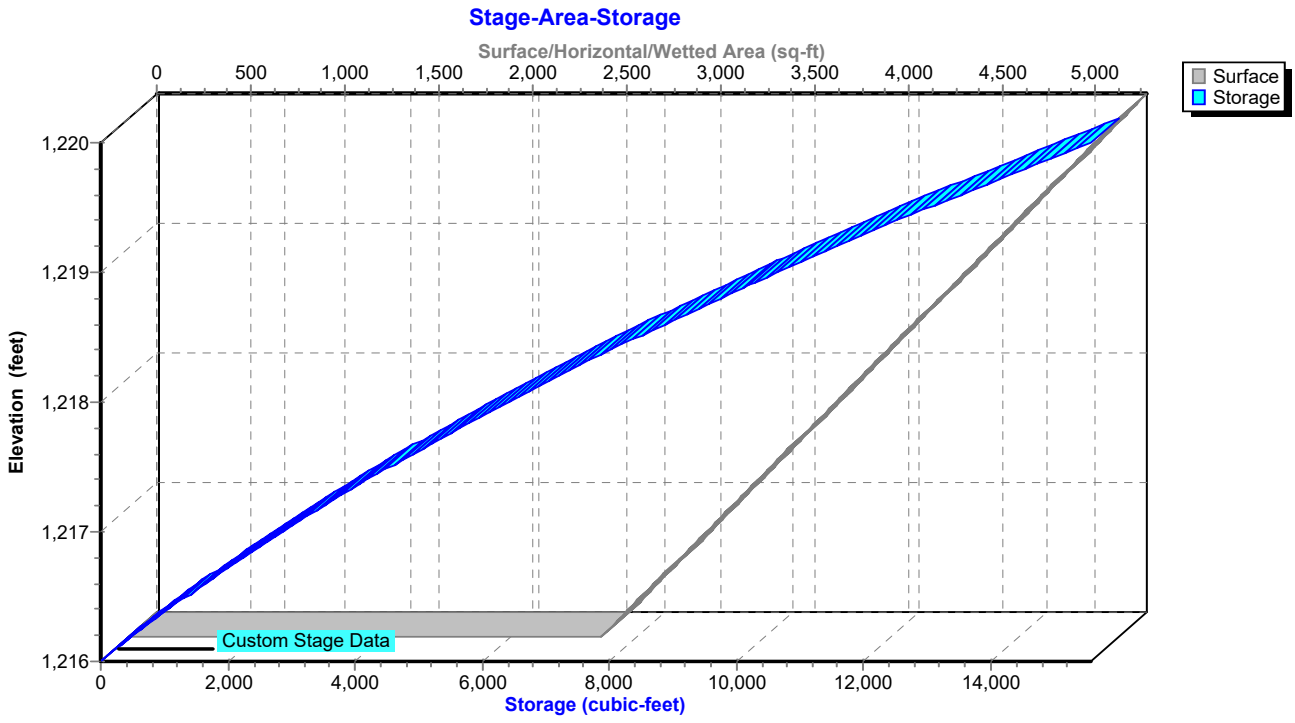
Pond P3E: Pond 3E



Pond P3E: Pond 3E



Pond P3E: Pond 3E



Hydrograph for Pond P3E: Pond 3E

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,216.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.13**	**1,665**	**1,216.61**	**0.24**	0.00	**0.24**	0.00
25.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3E: Pond 3E

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,216.00	0.00	0.00	0.00	0.00
1,216.10	0.22	0.00	0.22	0.00
1,216.20	0.22	0.00	0.22	0.00
1,216.30	0.23	0.00	0.23	0.00
1,216.40	0.23	0.00	0.23	0.00
1,216.50	0.24	0.00	0.24	0.00
1,216.60	0.24	0.00	0.24	0.00
1,216.70	0.25	0.00	0.25	0.00
1,216.80	0.26	0.00	0.26	0.00
1,216.90	0.26	0.00	0.26	0.00
1,217.00	0.27	0.00	0.27	0.00
1,217.10	0.27	0.00	0.27	0.00
1,217.20	0.29	0.01	0.28	0.00
1,217.30	0.31	0.02	0.28	0.00
1,217.40	0.34	0.05	0.29	0.00
1,217.50	0.38	0.08	0.30	0.00
1,217.60	0.43	0.13	0.30	0.00
1,217.70	0.50	0.19	0.31	0.00
1,217.80	0.58	0.27	0.31	0.00
1,217.90	0.68	0.36	0.32	0.00
1,218.00	0.80	0.47	0.32	0.00
1,218.10	0.93	0.60	0.33	0.00
1,218.20	1.08	0.75	0.34	0.00
1,218.30	1.26	0.91	0.34	0.00
1,218.40	1.45	1.10	0.35	0.00
1,218.50	1.66	1.31	0.35	0.00
1,218.60	1.89	1.54	0.36	0.00
1,218.70	2.15	1.79	0.36	0.00
1,218.80	2.43	2.06	0.37	0.00
1,218.90	2.74	2.36	0.38	0.00
1,219.00	5.01	4.63	0.38	0.00
1,219.10	6.77	4.78	0.39	1.60
1,219.20	9.92	4.93	0.39	4.60
1,219.30	14.17	5.07	0.40	8.70
1,219.40	19.40	5.21	0.40	13.78
1,219.50	25.84	5.35	0.41	20.08
1,219.60	33.40	5.48	0.42	27.51
1,219.70	41.13	5.61	0.42	35.10
1,219.80	49.59	5.74	0.43	43.42
1,219.90	58.74	5.86	0.43	52.45
1,220.00	**68.59**	**5.98**	**0.44**	**62.18**

Stage-Area-Storage for Pond P3E: Pond 3E

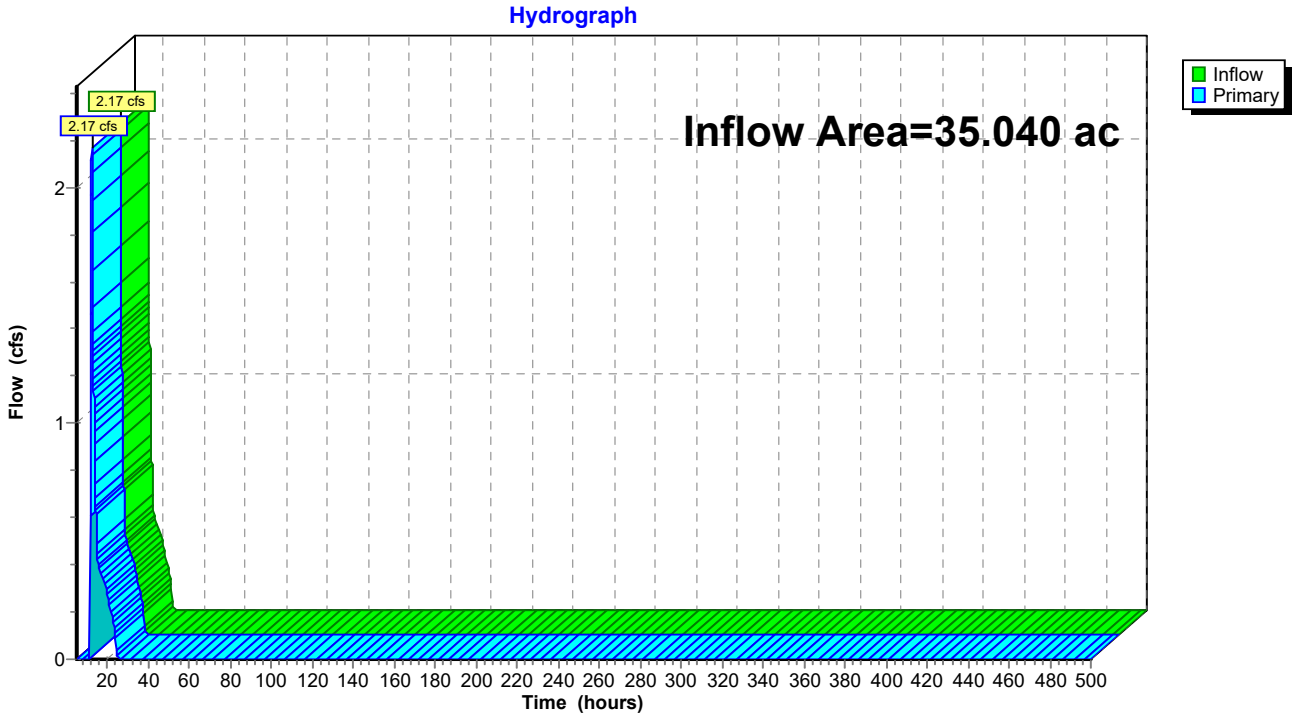
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,216.00	2,517	0
1,216.05	2,551	127
1,216.10	2,586	255
1,216.15	2,620	385
1,216.20	2,655	517
1,216.25	2,689	651
1,216.30	2,724	786
1,216.35	2,758	923
1,216.40	2,793	1,062
1,216.45	2,827	1,202
1,216.50	2,861	1,345
1,216.55	2,896	1,489
1,216.60	2,930	1,634
1,216.65	2,965	1,782
1,216.70	2,999	1,931
1,216.75	3,034	2,081
1,216.80	3,068	2,234
1,216.85	3,102	2,388
1,216.90	3,137	2,544
1,216.95	3,171	2,702
1,217.00	3,206	2,861
1,217.05	3,240	3,023
1,217.10	3,275	3,185
1,217.15	3,309	3,350
1,217.20	3,344	3,516
1,217.25	3,378	3,684
1,217.30	3,412	3,854
1,217.35	3,447	4,026
1,217.40	3,481	4,199
1,217.45	3,516	4,374
1,217.50	3,550	4,550
1,217.55	3,585	4,729
1,217.60	3,619	4,909
1,217.65	3,653	5,091
1,217.70	3,688	5,274
1,217.75	3,722	5,459
1,217.80	3,757	5,646
1,217.85	3,791	5,835
1,217.90	3,826	6,025
1,217.95	3,860	6,218
1,218.00	3,895	6,412
1,218.05	3,929	6,607
1,218.10	3,963	6,804
1,218.15	3,998	7,003
1,218.20	4,032	7,204
1,218.25	4,067	7,407
1,218.30	4,101	7,611
1,218.35	4,136	7,817
1,218.40	4,170	8,024
1,218.45	4,204	8,234
1,218.50	4,239	8,445
1,218.55	4,273	8,658
1,218.60	4,308	8,872
1,218.65	4,342	9,088
1,218.70	4,377	9,306
1,218.75	4,411	9,526
1,218.80	4,445	9,747
1,218.85	4,480	9,971
1,218.90	4,514	10,195
1,218.95	4,549	10,422
1,219.00	4,583	10,650
1,219.05	4,618	10,880
1,219.10	4,652	11,112
1,219.15	4,687	11,346
1,219.20	4,721	11,581
1,219.25	4,755	11,818
1,219.30	4,790	12,056
1,219.35	4,824	12,297
1,219.40	4,859	12,539
1,219.45	4,893	12,783
1,219.50	4,928	13,028
1,219.55	4,962	13,275
1,219.60	4,996	13,524
1,219.65	5,031	13,775
1,219.70	5,065	14,027
1,219.75	5,100	14,282
1,219.80	5,134	14,537
1,219.85	5,169	14,795
1,219.90	5,203	15,054
1,219.95	5,238	15,315
1,220.00	**5,272**	**15,578**

Summary for Link 1L: Total Pre - Development

Inflow Area = 35.040 ac, 0.00% Impervious, Inflow Depth = 0.15" for 1 YR event
Inflow = 2.17 cfs @ 12.36 hrs, Volume= 0.451 af
Primary = 2.17 cfs @ 12.36 hrs, Volume= 0.451 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 1L: Total Pre - Development



Hydrograph for Link 1L: Total Pre - Development

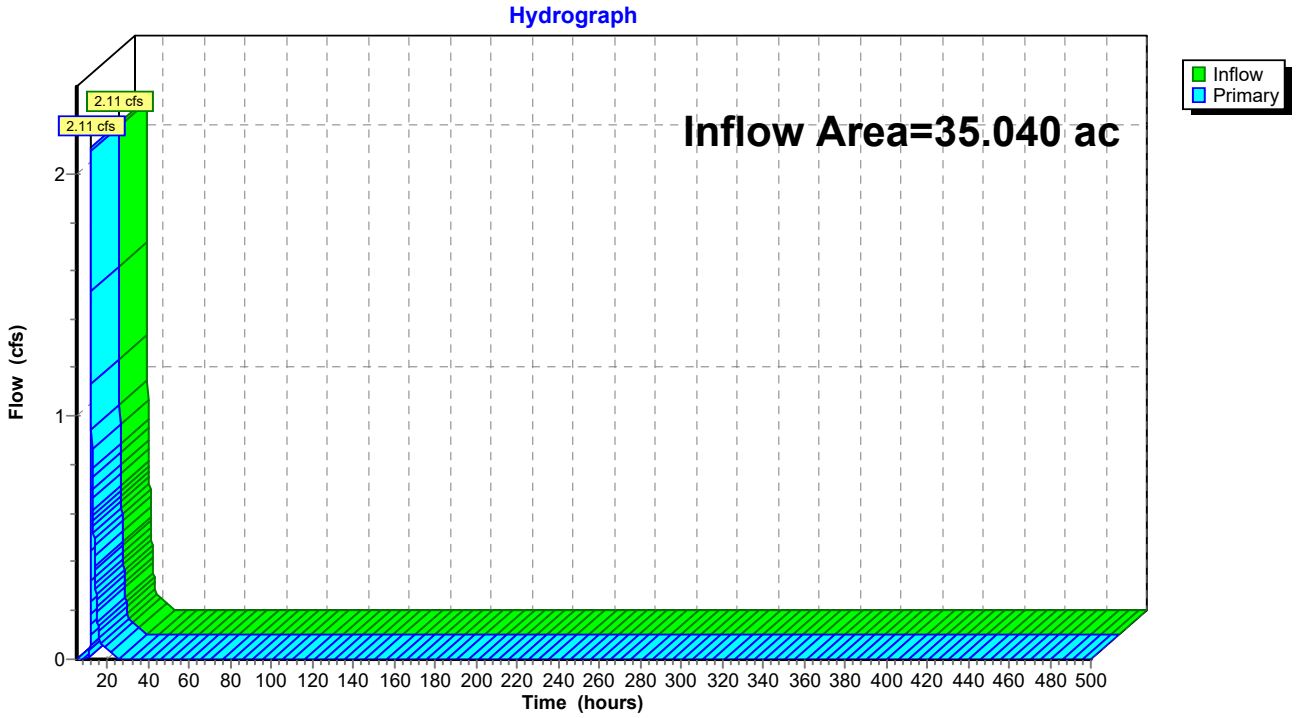
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.61**	0.00	**0.61**	270.00	0.00	0.00	0.00
20.00	0.27	0.00	0.27	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 2L: Total Post - Development

Inflow Area = 35.040 ac, 19.66% Impervious, Inflow Depth = 0.06" for 1 YR event
Inflow = 2.11 cfs @ 12.14 hrs, Volume= 0.177 af
Primary = 2.11 cfs @ 12.14 hrs, Volume= 0.177 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 2L: Total Post - Development



Hydrograph for Link 2L: Total Post - Development

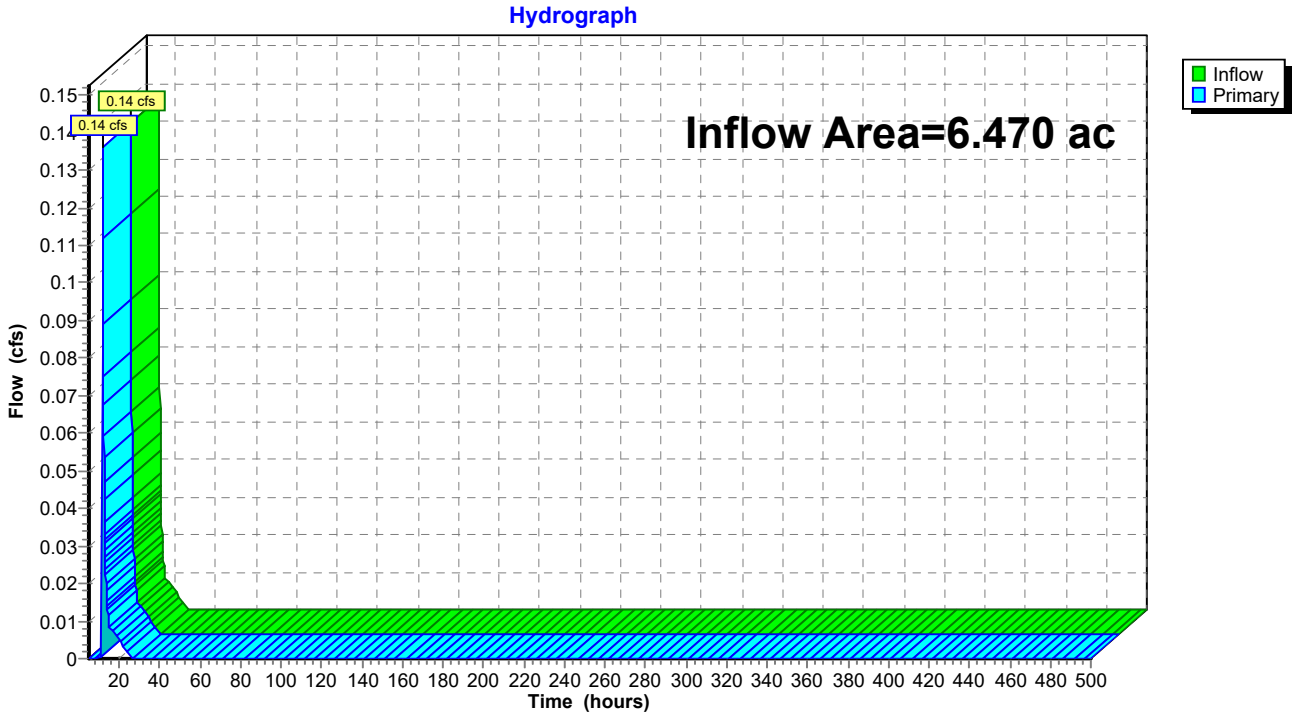
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.20**	0.00	**0.20**	270.00	0.00	0.00	0.00
20.00	0.04	0.00	0.04	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 3L: Post - South

Inflow Area = 6.470 ac, 18.70% Impervious, Inflow Depth = 0.02" for 1 YR event
Inflow = 0.14 cfs @ 12.16 hrs, Volume= 0.011 af
Primary = 0.14 cfs @ 12.16 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 3L: Post - South



Hydrograph for Link 3L: Post - South

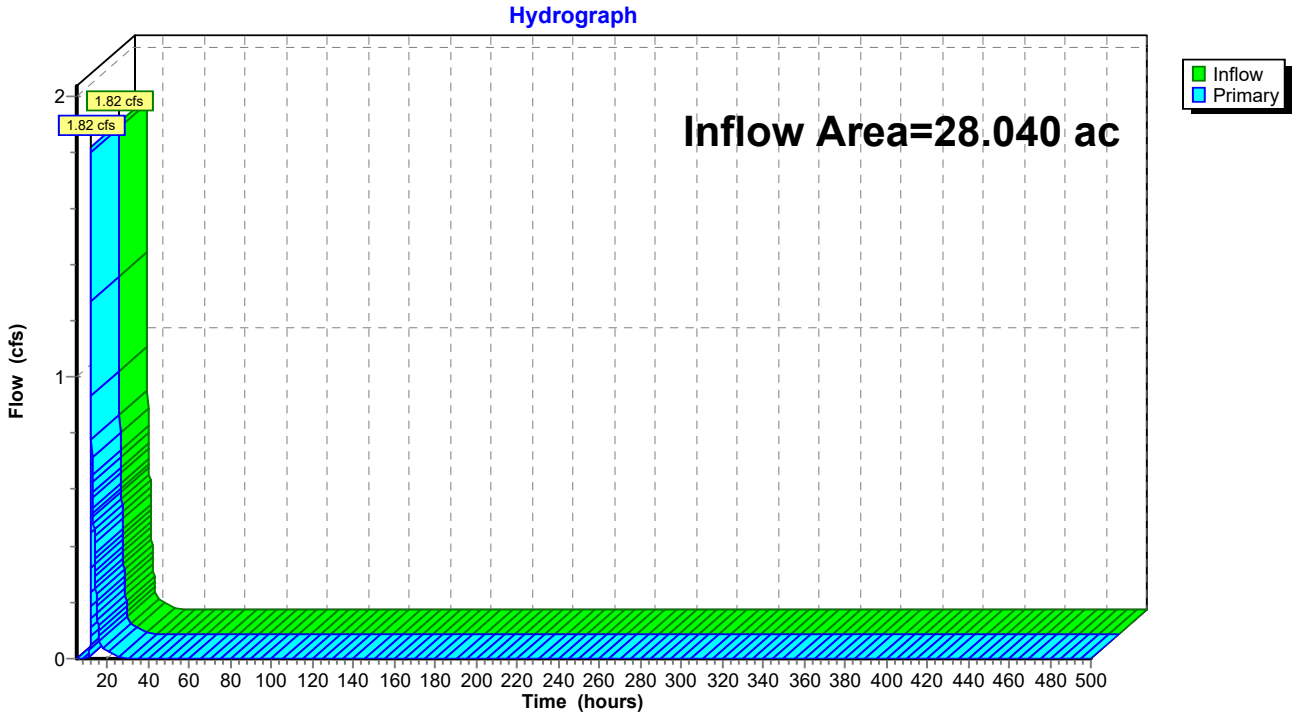
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.01**	0.00	**0.01**	270.00	0.00	0.00	0.00
20.00	0.01	0.00	0.01	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 4L: Post - North

Inflow Area = 28.040 ac, 20.04% Impervious, Inflow Depth = 0.07" for 1 YR event
Inflow = 1.82 cfs @ 12.14 hrs, Volume= 0.153 af
Primary = 1.82 cfs @ 12.14 hrs, Volume= 0.153 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 4L: Post - North



Hydrograph for Link 4L: Post - North

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.17**	0.00	**0.17**	270.00	0.00	0.00	0.00
20.00	0.03	0.00	0.03	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Time span=5.00-500.00 hrs, dt=0.05 hrs, 9901 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1: Pre - South Runoff Area=4.910 ac 0.00% Impervious Runoff Depth=0.17"
Tc=10.0 min CN=55 Runoff=0.31 cfs 0.069 af

Subcatchment1A: Post 1A Runoff Area=6.030 ac 19.24% Impervious Runoff Depth=0.58"
Tc=6.0 min CN=68 Runoff=4.83 cfs 0.289 af

Subcatchment1B: Post 1B - Offsite Runoff Area=0.440 ac 11.36% Impervious Runoff Depth=0.46"
Tc=6.0 min CN=65 Runoff=0.26 cfs 0.017 af

Subcatchment2: Pre - West Runoff Area=2.540 ac 0.00% Impervious Runoff Depth=0.17"
Tc=6.0 min CN=55 Runoff=0.17 cfs 0.036 af

Subcatchment2A: Post 2A - Offsite Runoff Area=0.530 ac 11.32% Impervious Runoff Depth=0.46"
Tc=6.0 min CN=65 Runoff=0.31 cfs 0.020 af

Subcatchment3: Pre - North Runoff Area=27.590 ac 0.00% Impervious Runoff Depth=0.30"
Tc=10.0 min CN=60 Runoff=5.79 cfs 0.685 af

Subcatchment3A: Post 3A Runoff Area=10.600 ac 18.58% Impervious Runoff Depth=0.66"
Tc=6.0 min CN=70 Runoff=10.12 cfs 0.582 af

Subcatchment3B: Post 3B Runoff Area=8.450 ac 19.88% Impervious Runoff Depth=0.70"
Tc=6.0 min CN=71 Runoff=8.74 cfs 0.495 af

Subcatchment3C: Post 3C Runoff Area=2.490 ac 22.89% Impervious Runoff Depth=0.90"
Tc=6.0 min CN=75 Runoff=3.42 cfs 0.186 af

Subcatchment3D: Post 3D Runoff Area=2.380 ac 23.95% Impervious Runoff Depth=0.95"
Tc=6.0 min CN=76 Runoff=3.48 cfs 0.188 af

Subcatchment3E: Post 3E Runoff Area=2.780 ac 19.06% Impervious Runoff Depth=0.85"
Tc=6.0 min CN=74 Runoff=3.57 cfs 0.196 af

Subcatchment3Y: Post 3Y - Offsite Runoff Area=0.820 ac 36.59% Impervious Runoff Depth=1.37"
Tc=6.0 min CN=83 Runoff=1.76 cfs 0.093 af

Subcatchment3Z: Post 3Z - Offsite Runoff Area=0.520 ac 0.00% Impervious Runoff Depth=0.85"
Tc=6.0 min CN=74 Runoff=0.67 cfs 0.037 af

Subcatchment5S: Culvert 1 Runoff Area=4,797 sf 48.61% Impervious Runoff Depth=1.12"
Tc=6.0 min CN=79 Runoff=0.19 cfs 0.010 af

Subcatchment6S: Culvert 2 Runoff Area=24,708 sf 36.87% Impervious Runoff Depth=0.90"
Tc=6.0 min CN=75 Runoff=0.78 cfs 0.042 af

Subcatchment7S: Culvert 3 Runoff Area=41,517 sf 32.00% Impervious Runoff Depth=0.80"
Tc=6.0 min CN=73 Runoff=1.14 cfs 0.063 af

Subcatchment8S: Culvert 4 Runoff Area=209,603 sf 25.18% Impervious Runoff Depth=0.66"
Tc=6.0 min CN=70 Runoff=4.59 cfs 0.264 af

Subcatchment9S: Culvert 5 Runoff Area=188,836 sf 19.96% Impervious Runoff Depth=0.58"
Tc=6.0 min CN=68 Runoff=3.47 cfs 0.208 af

Pond P1A: Pond 1A Peak Elev=1,240.45' Storage=5,132 cf Inflow=4.83 cfs 0.289 af
Primary=0.06 cfs 0.010 af Secondary=0.38 cfs 0.279 af Tertiary=0.00 cfs 0.000 af Outflow=0.45 cfs 0.289 af

Pond P3A: Pond 3A Peak Elev=1,193.92' Storage=10,734 cf Inflow=10.12 cfs 0.582 af
Primary=0.38 cfs 0.083 af Secondary=0.59 cfs 0.500 af Tertiary=0.00 cfs 0.000 af Outflow=0.97 cfs 0.582 af

Pond P3B: Pond 3B Peak Elev=1,196.99' Storage=8,739 cf Inflow=8.74 cfs 0.495 af
Primary=0.46 cfs 0.095 af Secondary=0.50 cfs 0.400 af Tertiary=0.00 cfs 0.000 af Outflow=0.96 cfs 0.495 af

Pond P3C: Pond 3C Peak Elev=1,179.39' Storage=3,509 cf Inflow=3.42 cfs 0.186 af
Primary=0.04 cfs 0.006 af Secondary=0.26 cfs 0.180 af Tertiary=0.00 cfs 0.000 af Outflow=0.31 cfs 0.186 af

Pond P3D: Pond 3D Peak Elev=1,189.08' Storage=2,906 cf Inflow=3.48 cfs 0.188 af
Primary=0.57 cfs 0.066 af Secondary=0.17 cfs 0.122 af Tertiary=0.00 cfs 0.000 af Outflow=0.74 cfs 0.188 af

Pond P3E: Pond 3E Peak Elev=1,217.25' Storage=3,688 cf Inflow=3.57 cfs 0.196 af
Primary=0.02 cfs 0.002 af Secondary=0.28 cfs 0.194 af Tertiary=0.00 cfs 0.000 af Outflow=0.30 cfs 0.196 af

Link 1L: Total Pre - Development Inflow=6.15 cfs 0.790 af
Primary=6.15 cfs 0.790 af

Link 2L: Total Post - Development Inflow=3.04 cfs 0.429 af
Primary=3.04 cfs 0.429 af

Link 3L: Post - South Inflow=0.26 cfs 0.027 af
Primary=0.26 cfs 0.027 af

Link 4L: Post - North Inflow=2.47 cfs 0.382 af
Primary=2.47 cfs 0.382 af

Total Runoff Area = 80.857 ac Runoff Volume = 3.483 af Average Runoff Depth = 0.52"
88.21% Pervious = 71.323 ac 11.79% Impervious = 9.534 ac

Summary for Subcatchment 1: Pre - South

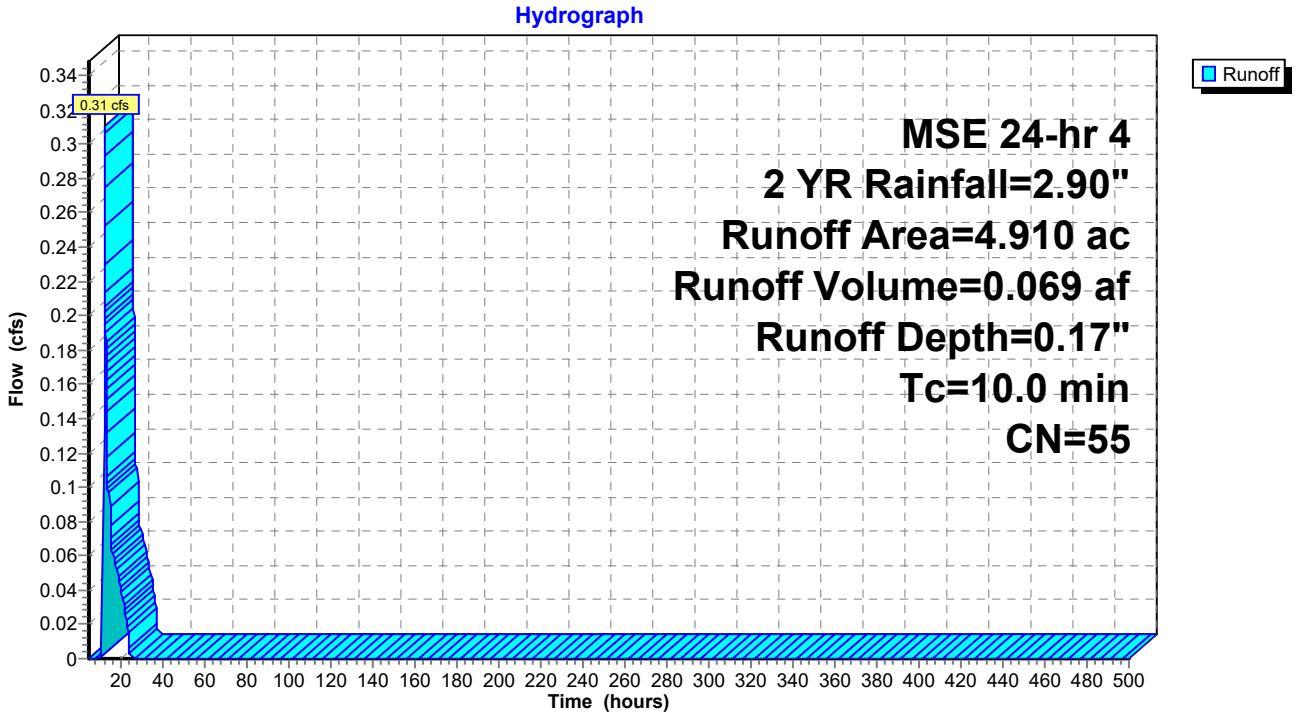
Runoff = 0.31 cfs @ 12.41 hrs, Volume= 0.069 af, Depth= 0.17"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	4.910	55	Pre Dev - B Soils
	4.910		100.00% Pervious Area

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

Subcatchment 1: Pre - South



Hydrograph for Subcatchment 1: Pre - South

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00	260.00	2.90	0.17	0.00
10.00	0.46	0.00	**0.00**	265.00	2.90	0.17	0.00
15.00	2.55	0.09	**0.10**	270.00	2.90	0.17	0.00
20.00	**2.81**	**0.15**	0.04	275.00	2.90	0.17	0.00
25.00	**2.90**	**0.17**	0.00	280.00	2.90	0.17	0.00
30.00	2.90	0.17	0.00	285.00	2.90	0.17	0.00
35.00	2.90	0.17	0.00	290.00	2.90	0.17	0.00
40.00	2.90	0.17	0.00	295.00	2.90	0.17	0.00
45.00	2.90	0.17	0.00	300.00	2.90	0.17	0.00
50.00	2.90	0.17	0.00	305.00	2.90	0.17	0.00
55.00	2.90	0.17	0.00	310.00	2.90	0.17	0.00
60.00	2.90	0.17	0.00	315.00	2.90	0.17	0.00
65.00	2.90	0.17	0.00	320.00	2.90	0.17	0.00
70.00	2.90	0.17	0.00	325.00	2.90	0.17	0.00
75.00	2.90	0.17	0.00	330.00	2.90	0.17	0.00
80.00	2.90	0.17	0.00	335.00	2.90	0.17	0.00
85.00	2.90	0.17	0.00	340.00	2.90	0.17	0.00
90.00	2.90	0.17	0.00	345.00	2.90	0.17	0.00
95.00	2.90	0.17	0.00	350.00	2.90	0.17	0.00
100.00	2.90	0.17	0.00	355.00	2.90	0.17	0.00
105.00	2.90	0.17	0.00	360.00	2.90	0.17	0.00
110.00	2.90	0.17	0.00	365.00	2.90	0.17	0.00
115.00	2.90	0.17	0.00	370.00	2.90	0.17	0.00
120.00	2.90	0.17	0.00	375.00	2.90	0.17	0.00
125.00	2.90	0.17	0.00	380.00	2.90	0.17	0.00
130.00	2.90	0.17	0.00	385.00	2.90	0.17	0.00
135.00	2.90	0.17	0.00	390.00	2.90	0.17	0.00
140.00	2.90	0.17	0.00	395.00	2.90	0.17	0.00
145.00	2.90	0.17	0.00	400.00	2.90	0.17	0.00
150.00	2.90	0.17	0.00	405.00	2.90	0.17	0.00
155.00	2.90	0.17	0.00	410.00	2.90	0.17	0.00
160.00	2.90	0.17	0.00	415.00	2.90	0.17	0.00
165.00	2.90	0.17	0.00	420.00	2.90	0.17	0.00
170.00	2.90	0.17	0.00	425.00	2.90	0.17	0.00
175.00	2.90	0.17	0.00	430.00	2.90	0.17	0.00
180.00	2.90	0.17	0.00	435.00	2.90	0.17	0.00
185.00	2.90	0.17	0.00	440.00	2.90	0.17	0.00
190.00	2.90	0.17	0.00	445.00	2.90	0.17	0.00
195.00	2.90	0.17	0.00	450.00	2.90	0.17	0.00
200.00	2.90	0.17	0.00	455.00	2.90	0.17	0.00
205.00	2.90	0.17	0.00	460.00	2.90	0.17	0.00
210.00	2.90	0.17	0.00	465.00	2.90	0.17	0.00
215.00	2.90	0.17	0.00	470.00	2.90	0.17	0.00
220.00	2.90	0.17	0.00	475.00	2.90	0.17	0.00
225.00	2.90	0.17	0.00	480.00	2.90	0.17	0.00
230.00	2.90	0.17	0.00	485.00	2.90	0.17	0.00
235.00	2.90	0.17	0.00	490.00	2.90	0.17	0.00
240.00	2.90	0.17	0.00	495.00	2.90	0.17	0.00
245.00	2.90	0.17	0.00	500.00	2.90	0.17	0.00
250.00	2.90	0.17	0.00				
255.00	2.90	0.17	0.00				

Summary for Subcatchment 1A: Post 1A

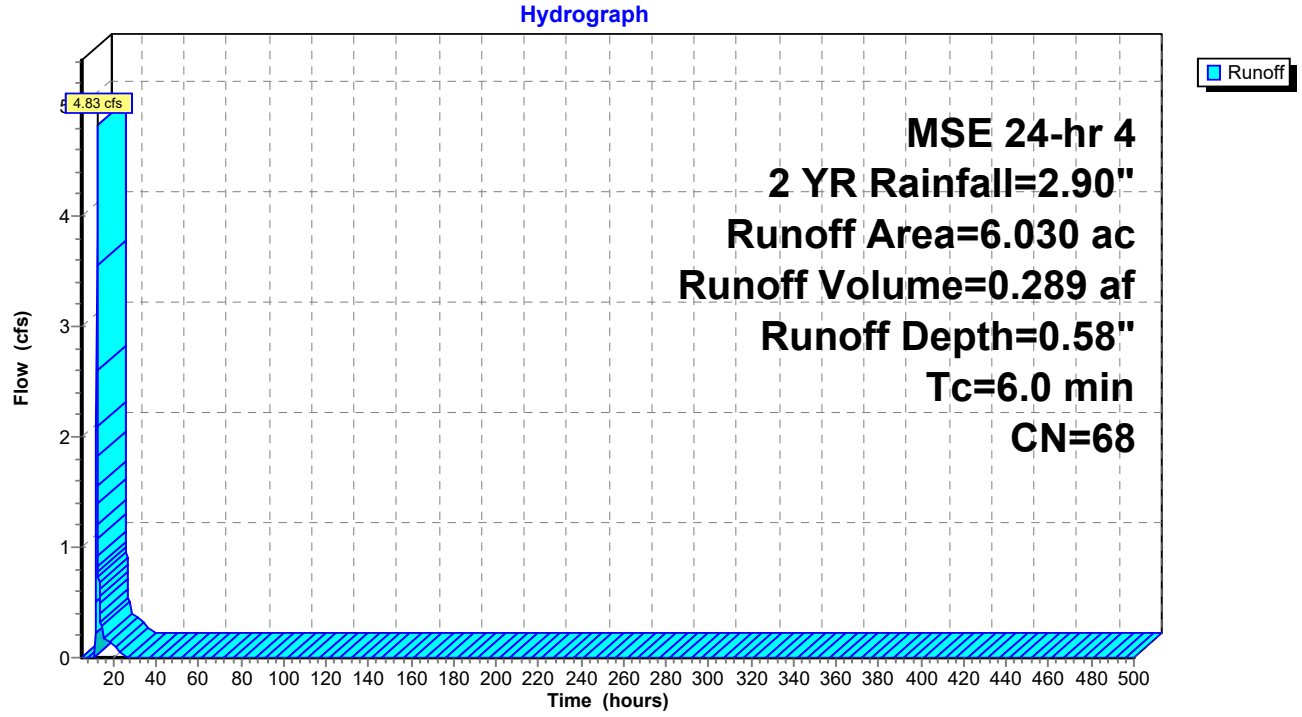
Runoff = 4.83 cfs @ 12.15 hrs, Volume= 0.289 af, Depth= 0.58"
Routed to Pond P1A : Pond 1A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	1.160	98	Impervious
*	4.870	61	Post - B Soils
*	0.000	74	Post - C Soils
	6.030	68	Weighted Average
	4.870		80.76% Pervious Area
	1.160		19.24% Impervious Area

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

Subcatchment 1A: Post 1A



Hydrograph for Subcatchment 1A: Post 1A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	0.41	**0.28**
20.00	**2.81**	**0.53**	0.11
25.00	**2.90**	**0.58**	0.00
30.00	2.90	0.58	0.00
35.00	2.90	0.58	0.00
40.00	2.90	0.58	0.00
45.00	2.90	0.58	0.00
50.00	2.90	0.58	0.00
55.00	2.90	0.58	0.00
60.00	2.90	0.58	0.00
65.00	2.90	0.58	0.00
70.00	2.90	0.58	0.00
75.00	2.90	0.58	0.00
80.00	2.90	0.58	0.00
85.00	2.90	0.58	0.00
90.00	2.90	0.58	0.00
95.00	2.90	0.58	0.00
100.00	2.90	0.58	0.00
105.00	2.90	0.58	0.00
110.00	2.90	0.58	0.00
115.00	2.90	0.58	0.00
120.00	2.90	0.58	0.00
125.00	2.90	0.58	0.00
130.00	2.90	0.58	0.00
135.00	2.90	0.58	0.00
140.00	2.90	0.58	0.00
145.00	2.90	0.58	0.00
150.00	2.90	0.58	0.00
155.00	2.90	0.58	0.00
160.00	2.90	0.58	0.00
165.00	2.90	0.58	0.00
170.00	2.90	0.58	0.00
175.00	2.90	0.58	0.00
180.00	2.90	0.58	0.00
185.00	2.90	0.58	0.00
190.00	2.90	0.58	0.00
195.00	2.90	0.58	0.00
200.00	2.90	0.58	0.00
205.00	2.90	0.58	0.00
210.00	2.90	0.58	0.00
215.00	2.90	0.58	0.00
220.00	2.90	0.58	0.00
225.00	2.90	0.58	0.00
230.00	2.90	0.58	0.00
235.00	2.90	0.58	0.00
240.00	2.90	0.58	0.00
245.00	2.90	0.58	0.00
250.00	2.90	0.58	0.00
255.00	2.90	0.58	0.00
260.00	2.90	0.58	0.00
265.00	2.90	0.58	0.00
270.00	2.90	0.58	0.00
275.00	2.90	0.58	0.00
280.00	2.90	0.58	0.00
285.00	2.90	0.58	0.00
290.00	2.90	0.58	0.00
295.00	2.90	0.58	0.00
300.00	2.90	0.58	0.00
305.00	2.90	0.58	0.00
310.00	2.90	0.58	0.00
315.00	2.90	0.58	0.00
320.00	2.90	0.58	0.00
325.00	2.90	0.58	0.00
330.00	2.90	0.58	0.00
335.00	2.90	0.58	0.00
340.00	2.90	0.58	0.00
345.00	2.90	0.58	0.00
350.00	2.90	0.58	0.00
355.00	2.90	0.58	0.00
360.00	2.90	0.58	0.00
365.00	2.90	0.58	0.00
370.00	2.90	0.58	0.00
375.00	2.90	0.58	0.00
380.00	2.90	0.58	0.00
385.00	2.90	0.58	0.00
390.00	2.90	0.58	0.00
395.00	2.90	0.58	0.00
400.00	2.90	0.58	0.00
405.00	2.90	0.58	0.00
410.00	2.90	0.58	0.00
415.00	2.90	0.58	0.00
420.00	2.90	0.58	0.00
425.00	2.90	0.58	0.00
430.00	2.90	0.58	0.00
435.00	2.90	0.58	0.00
440.00	2.90	0.58	0.00
445.00	2.90	0.58	0.00
450.00	2.90	0.58	0.00
455.00	2.90	0.58	0.00
460.00	2.90	0.58	0.00
465.00	2.90	0.58	0.00
470.00	2.90	0.58	0.00
475.00	2.90	0.58	0.00
480.00	2.90	0.58	0.00
485.00	2.90	0.58	0.00
490.00	2.90	0.58	0.00
495.00	2.90	0.58	0.00
500.00	2.90	0.58	0.00

Summary for Subcatchment 1B: Post 1B - Offsite

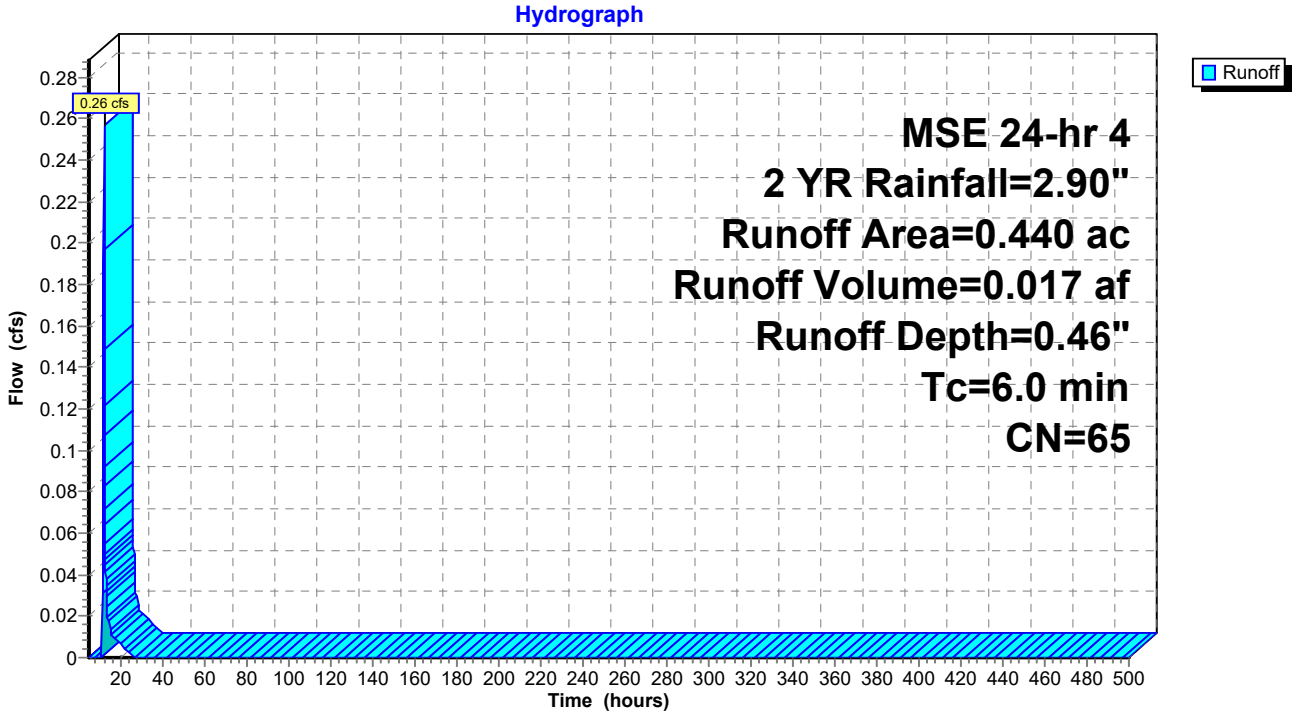
Runoff = 0.26 cfs @ 12.15 hrs, Volume= 0.017 af, Depth= 0.46"
Routed to Link 3L : Post - South

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	0.050	98	Impervious
*	0.390	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.440	65	Weighted Average
	0.390		88.64% Pervious Area
	0.050		11.36% Impervious Area

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

Subcatchment 1B: Post 1B - Offsite



Hydrograph for Subcatchment 1B: Post 1B - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	0.32	**0.02**
20.00	**2.81**	**0.42**	0.01
25.00	**2.90**	**0.46**	0.00
30.00	2.90	0.46	0.00
35.00	2.90	0.46	0.00
40.00	2.90	0.46	0.00
45.00	2.90	0.46	0.00
50.00	2.90	0.46	0.00
55.00	2.90	0.46	0.00
60.00	2.90	0.46	0.00
65.00	2.90	0.46	0.00
70.00	2.90	0.46	0.00
75.00	2.90	0.46	0.00
80.00	2.90	0.46	0.00
85.00	2.90	0.46	0.00
90.00	2.90	0.46	0.00
95.00	2.90	0.46	0.00
100.00	2.90	0.46	0.00
105.00	2.90	0.46	0.00
110.00	2.90	0.46	0.00
115.00	2.90	0.46	0.00
120.00	2.90	0.46	0.00
125.00	2.90	0.46	0.00
130.00	2.90	0.46	0.00
135.00	2.90	0.46	0.00
140.00	2.90	0.46	0.00
145.00	2.90	0.46	0.00
150.00	2.90	0.46	0.00
155.00	2.90	0.46	0.00
160.00	2.90	0.46	0.00
165.00	2.90	0.46	0.00
170.00	2.90	0.46	0.00
175.00	2.90	0.46	0.00
180.00	2.90	0.46	0.00
185.00	2.90	0.46	0.00
190.00	2.90	0.46	0.00
195.00	2.90	0.46	0.00
200.00	2.90	0.46	0.00
205.00	2.90	0.46	0.00
210.00	2.90	0.46	0.00
215.00	2.90	0.46	0.00
220.00	2.90	0.46	0.00
225.00	2.90	0.46	0.00
230.00	2.90	0.46	0.00
235.00	2.90	0.46	0.00
240.00	2.90	0.46	0.00
245.00	2.90	0.46	0.00
250.00	2.90	0.46	0.00
255.00	2.90	0.46	0.00
260.00	2.90	0.46	0.00
265.00	2.90	0.46	0.00
270.00	2.90	0.46	0.00
275.00	2.90	0.46	0.00
280.00	2.90	0.46	0.00
285.00	2.90	0.46	0.00
290.00	2.90	0.46	0.00
295.00	2.90	0.46	0.00
300.00	2.90	0.46	0.00
305.00	2.90	0.46	0.00
310.00	2.90	0.46	0.00
315.00	2.90	0.46	0.00
320.00	2.90	0.46	0.00
325.00	2.90	0.46	0.00
330.00	2.90	0.46	0.00
335.00	2.90	0.46	0.00
340.00	2.90	0.46	0.00
345.00	2.90	0.46	0.00
350.00	2.90	0.46	0.00
355.00	2.90	0.46	0.00
360.00	2.90	0.46	0.00
365.00	2.90	0.46	0.00
370.00	2.90	0.46	0.00
375.00	2.90	0.46	0.00
380.00	2.90	0.46	0.00
385.00	2.90	0.46	0.00
390.00	2.90	0.46	0.00
395.00	2.90	0.46	0.00
400.00	2.90	0.46	0.00
405.00	2.90	0.46	0.00
410.00	2.90	0.46	0.00
415.00	2.90	0.46	0.00
420.00	2.90	0.46	0.00
425.00	2.90	0.46	0.00
430.00	2.90	0.46	0.00
435.00	2.90	0.46	0.00
440.00	2.90	0.46	0.00
445.00	2.90	0.46	0.00
450.00	2.90	0.46	0.00
455.00	2.90	0.46	0.00
460.00	2.90	0.46	0.00
465.00	2.90	0.46	0.00
470.00	2.90	0.46	0.00
475.00	2.90	0.46	0.00
480.00	2.90	0.46	0.00
485.00	2.90	0.46	0.00
490.00	2.90	0.46	0.00
495.00	2.90	0.46	0.00
500.00	2.90	0.46	0.00

Summary for Subcatchment 2: Pre - West

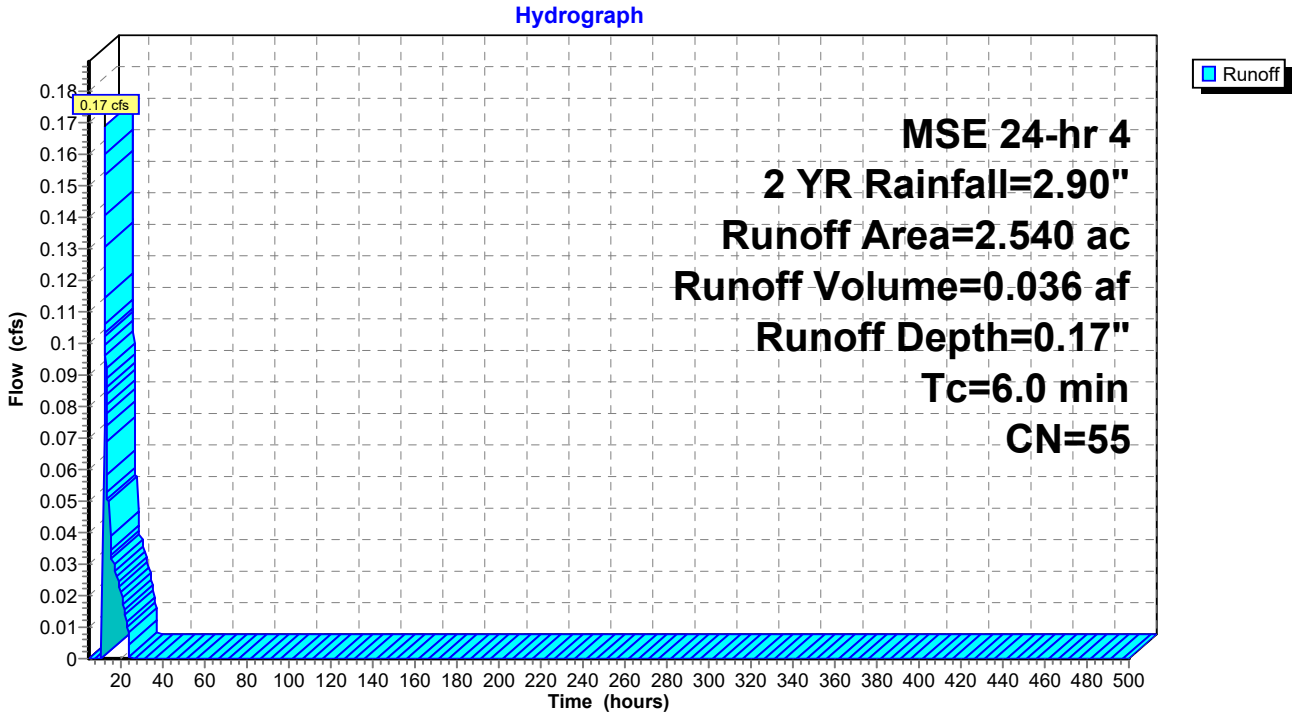
Runoff = 0.17 cfs @ 12.34 hrs, Volume= 0.036 af, Depth= 0.17"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	2.540	55	Pre Dev - B Soils
	2.540		100.00% Pervious Area

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

Subcatchment 2: Pre - West



Hydrograph for Subcatchment 2: Pre - West

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00	260.00	2.90	0.17	0.00
10.00	0.46	0.00	**0.00**	265.00	2.90	0.17	0.00
15.00	2.55	0.09	**0.05**	270.00	2.90	0.17	0.00
20.00	**2.81**	**0.15**	0.02	275.00	2.90	0.17	0.00
25.00	**2.90**	**0.17**	0.00	280.00	2.90	0.17	0.00
30.00	2.90	0.17	0.00	285.00	2.90	0.17	0.00
35.00	2.90	0.17	0.00	290.00	2.90	0.17	0.00
40.00	2.90	0.17	0.00	295.00	2.90	0.17	0.00
45.00	2.90	0.17	0.00	300.00	2.90	0.17	0.00
50.00	2.90	0.17	0.00	305.00	2.90	0.17	0.00
55.00	2.90	0.17	0.00	310.00	2.90	0.17	0.00
60.00	2.90	0.17	0.00	315.00	2.90	0.17	0.00
65.00	2.90	0.17	0.00	320.00	2.90	0.17	0.00
70.00	2.90	0.17	0.00	325.00	2.90	0.17	0.00
75.00	2.90	0.17	0.00	330.00	2.90	0.17	0.00
80.00	2.90	0.17	0.00	335.00	2.90	0.17	0.00
85.00	2.90	0.17	0.00	340.00	2.90	0.17	0.00
90.00	2.90	0.17	0.00	345.00	2.90	0.17	0.00
95.00	2.90	0.17	0.00	350.00	2.90	0.17	0.00
100.00	2.90	0.17	0.00	355.00	2.90	0.17	0.00
105.00	2.90	0.17	0.00	360.00	2.90	0.17	0.00
110.00	2.90	0.17	0.00	365.00	2.90	0.17	0.00
115.00	2.90	0.17	0.00	370.00	2.90	0.17	0.00
120.00	2.90	0.17	0.00	375.00	2.90	0.17	0.00
125.00	2.90	0.17	0.00	380.00	2.90	0.17	0.00
130.00	2.90	0.17	0.00	385.00	2.90	0.17	0.00
135.00	2.90	0.17	0.00	390.00	2.90	0.17	0.00
140.00	2.90	0.17	0.00	395.00	2.90	0.17	0.00
145.00	2.90	0.17	0.00	400.00	2.90	0.17	0.00
150.00	2.90	0.17	0.00	405.00	2.90	0.17	0.00
155.00	2.90	0.17	0.00	410.00	2.90	0.17	0.00
160.00	2.90	0.17	0.00	415.00	2.90	0.17	0.00
165.00	2.90	0.17	0.00	420.00	2.90	0.17	0.00
170.00	2.90	0.17	0.00	425.00	2.90	0.17	0.00
175.00	2.90	0.17	0.00	430.00	2.90	0.17	0.00
180.00	2.90	0.17	0.00	435.00	2.90	0.17	0.00
185.00	2.90	0.17	0.00	440.00	2.90	0.17	0.00
190.00	2.90	0.17	0.00	445.00	2.90	0.17	0.00
195.00	2.90	0.17	0.00	450.00	2.90	0.17	0.00
200.00	2.90	0.17	0.00	455.00	2.90	0.17	0.00
205.00	2.90	0.17	0.00	460.00	2.90	0.17	0.00
210.00	2.90	0.17	0.00	465.00	2.90	0.17	0.00
215.00	2.90	0.17	0.00	470.00	2.90	0.17	0.00
220.00	2.90	0.17	0.00	475.00	2.90	0.17	0.00
225.00	2.90	0.17	0.00	480.00	2.90	0.17	0.00
230.00	2.90	0.17	0.00	485.00	2.90	0.17	0.00
235.00	2.90	0.17	0.00	490.00	2.90	0.17	0.00
240.00	2.90	0.17	0.00	495.00	2.90	0.17	0.00
245.00	2.90	0.17	0.00	500.00	2.90	0.17	0.00
250.00	2.90	0.17	0.00				
255.00	2.90	0.17	0.00				

Summary for Subcatchment 2A: Post 2A - Offsite

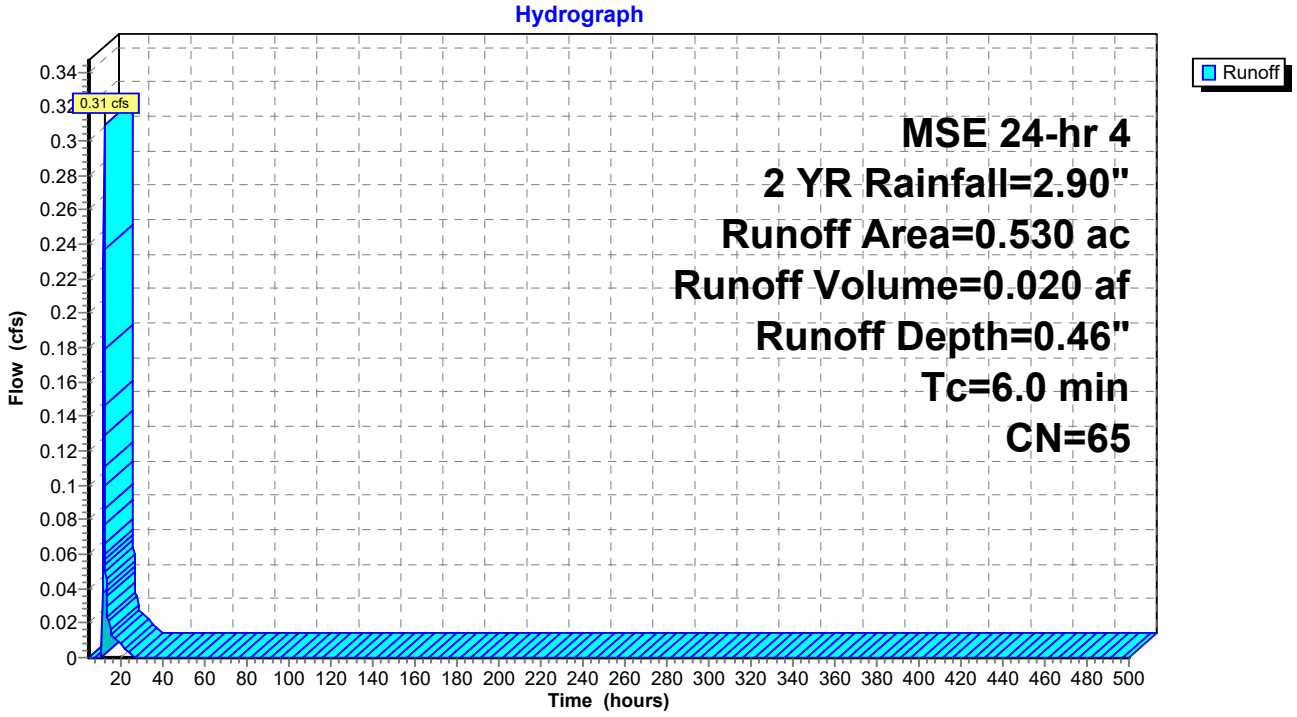
Runoff = 0.31 cfs @ 12.15 hrs, Volume= 0.020 af, Depth= 0.46"
Routed to Link 2L : Total Post - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	0.060	98	Impervious
*	0.470	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.530	65	Weighted Average
	0.470		88.68% Pervious Area
	0.060		11.32% Impervious Area

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

Subcatchment 2A: Post 2A - Offsite



Hydrograph for Subcatchment 2A: Post 2A - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	0.32	**0.02**
20.00	**2.81**	**0.42**	0.01
25.00	**2.90**	**0.46**	0.00
30.00	2.90	0.46	0.00
35.00	2.90	0.46	0.00
40.00	2.90	0.46	0.00
45.00	2.90	0.46	0.00
50.00	2.90	0.46	0.00
55.00	2.90	0.46	0.00
60.00	2.90	0.46	0.00
65.00	2.90	0.46	0.00
70.00	2.90	0.46	0.00
75.00	2.90	0.46	0.00
80.00	2.90	0.46	0.00
85.00	2.90	0.46	0.00
90.00	2.90	0.46	0.00
95.00	2.90	0.46	0.00
100.00	2.90	0.46	0.00
105.00	2.90	0.46	0.00
110.00	2.90	0.46	0.00
115.00	2.90	0.46	0.00
120.00	2.90	0.46	0.00
125.00	2.90	0.46	0.00
130.00	2.90	0.46	0.00
135.00	2.90	0.46	0.00
140.00	2.90	0.46	0.00
145.00	2.90	0.46	0.00
150.00	2.90	0.46	0.00
155.00	2.90	0.46	0.00
160.00	2.90	0.46	0.00
165.00	2.90	0.46	0.00
170.00	2.90	0.46	0.00
175.00	2.90	0.46	0.00
180.00	2.90	0.46	0.00
185.00	2.90	0.46	0.00
190.00	2.90	0.46	0.00
195.00	2.90	0.46	0.00
200.00	2.90	0.46	0.00
205.00	2.90	0.46	0.00
210.00	2.90	0.46	0.00
215.00	2.90	0.46	0.00
220.00	2.90	0.46	0.00
225.00	2.90	0.46	0.00
230.00	2.90	0.46	0.00
235.00	2.90	0.46	0.00
240.00	2.90	0.46	0.00
245.00	2.90	0.46	0.00
250.00	2.90	0.46	0.00
255.00	2.90	0.46	0.00
260.00	2.90	0.46	0.00
265.00	2.90	0.46	0.00
270.00	2.90	0.46	0.00
275.00	2.90	0.46	0.00
280.00	2.90	0.46	0.00
285.00	2.90	0.46	0.00
290.00	2.90	0.46	0.00
295.00	2.90	0.46	0.00
300.00	2.90	0.46	0.00
305.00	2.90	0.46	0.00
310.00	2.90	0.46	0.00
315.00	2.90	0.46	0.00
320.00	2.90	0.46	0.00
325.00	2.90	0.46	0.00
330.00	2.90	0.46	0.00
335.00	2.90	0.46	0.00
340.00	2.90	0.46	0.00
345.00	2.90	0.46	0.00
350.00	2.90	0.46	0.00
355.00	2.90	0.46	0.00
360.00	2.90	0.46	0.00
365.00	2.90	0.46	0.00
370.00	2.90	0.46	0.00
375.00	2.90	0.46	0.00
380.00	2.90	0.46	0.00
385.00	2.90	0.46	0.00
390.00	2.90	0.46	0.00
395.00	2.90	0.46	0.00
400.00	2.90	0.46	0.00
405.00	2.90	0.46	0.00
410.00	2.90	0.46	0.00
415.00	2.90	0.46	0.00
420.00	2.90	0.46	0.00
425.00	2.90	0.46	0.00
430.00	2.90	0.46	0.00
435.00	2.90	0.46	0.00
440.00	2.90	0.46	0.00
445.00	2.90	0.46	0.00
450.00	2.90	0.46	0.00
455.00	2.90	0.46	0.00
460.00	2.90	0.46	0.00
465.00	2.90	0.46	0.00
470.00	2.90	0.46	0.00
475.00	2.90	0.46	0.00
480.00	2.90	0.46	0.00
485.00	2.90	0.46	0.00
490.00	2.90	0.46	0.00
495.00	2.90	0.46	0.00
500.00	2.90	0.46	0.00

Summary for Subcatchment 3: Pre - North

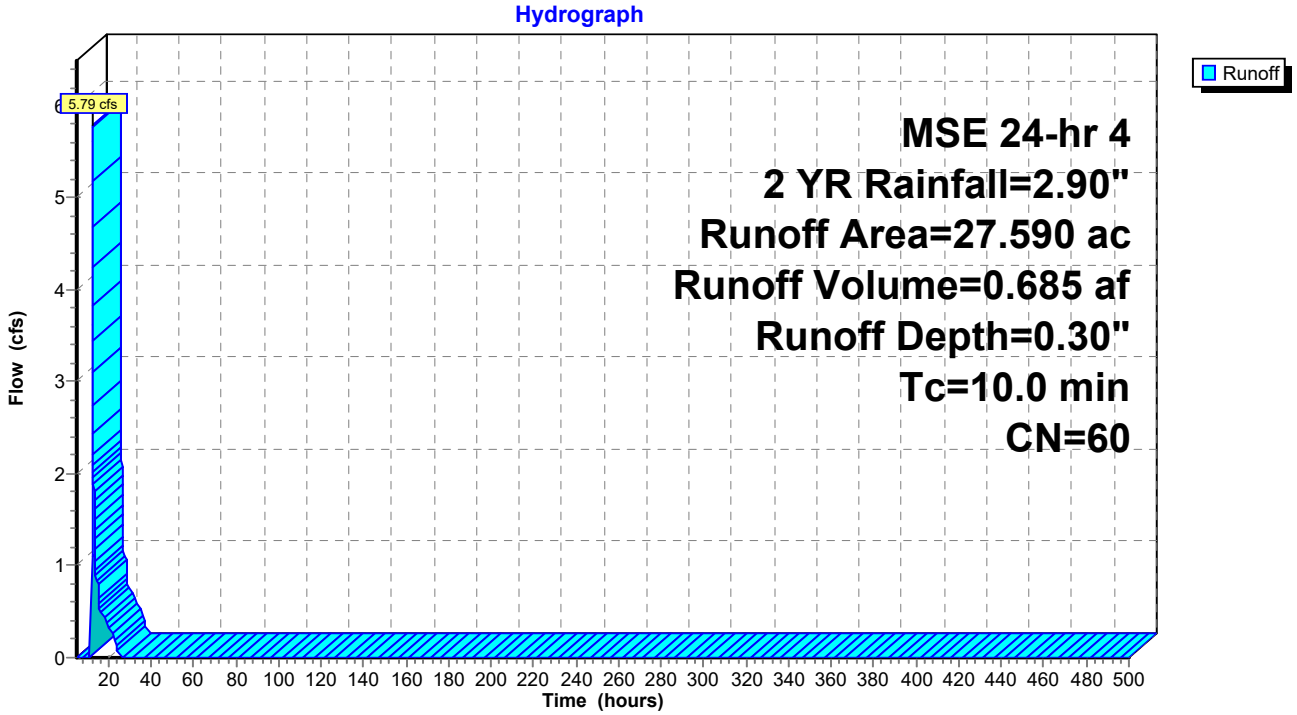
Runoff = 5.79 cfs @ 12.24 hrs, Volume= 0.685 af, Depth= 0.30"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	18.190	55	Pre Dev - B Soils
*	9.400	70	Pre Dev - C Soils
	27.590	60	Weighted Average
	27.590		100.00% Pervious Area

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

Subcatchment 3: Pre - North



Hydrograph for Subcatchment 3: Pre - North

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	0.19	**0.81**
20.00	**2.81**	**0.27**	0.34
25.00	**2.90**	**0.30**	0.00
30.00	2.90	0.30	0.00
35.00	2.90	0.30	0.00
40.00	2.90	0.30	0.00
45.00	2.90	0.30	0.00
50.00	2.90	0.30	0.00
55.00	2.90	0.30	0.00
60.00	2.90	0.30	0.00
65.00	2.90	0.30	0.00
70.00	2.90	0.30	0.00
75.00	2.90	0.30	0.00
80.00	2.90	0.30	0.00
85.00	2.90	0.30	0.00
90.00	2.90	0.30	0.00
95.00	2.90	0.30	0.00
100.00	2.90	0.30	0.00
105.00	2.90	0.30	0.00
110.00	2.90	0.30	0.00
115.00	2.90	0.30	0.00
120.00	2.90	0.30	0.00
125.00	2.90	0.30	0.00
130.00	2.90	0.30	0.00
135.00	2.90	0.30	0.00
140.00	2.90	0.30	0.00
145.00	2.90	0.30	0.00
150.00	2.90	0.30	0.00
155.00	2.90	0.30	0.00
160.00	2.90	0.30	0.00
165.00	2.90	0.30	0.00
170.00	2.90	0.30	0.00
175.00	2.90	0.30	0.00
180.00	2.90	0.30	0.00
185.00	2.90	0.30	0.00
190.00	2.90	0.30	0.00
195.00	2.90	0.30	0.00
200.00	2.90	0.30	0.00
205.00	2.90	0.30	0.00
210.00	2.90	0.30	0.00
215.00	2.90	0.30	0.00
220.00	2.90	0.30	0.00
225.00	2.90	0.30	0.00
230.00	2.90	0.30	0.00
235.00	2.90	0.30	0.00
240.00	2.90	0.30	0.00
245.00	2.90	0.30	0.00
250.00	2.90	0.30	0.00
255.00	2.90	0.30	0.00
260.00	2.90	0.30	0.00
265.00	2.90	0.30	0.00
270.00	2.90	0.30	0.00
275.00	2.90	0.30	0.00
280.00	2.90	0.30	0.00
285.00	2.90	0.30	0.00
290.00	2.90	0.30	0.00
295.00	2.90	0.30	0.00
300.00	2.90	0.30	0.00
305.00	2.90	0.30	0.00
310.00	2.90	0.30	0.00
315.00	2.90	0.30	0.00
320.00	2.90	0.30	0.00
325.00	2.90	0.30	0.00
330.00	2.90	0.30	0.00
335.00	2.90	0.30	0.00
340.00	2.90	0.30	0.00
345.00	2.90	0.30	0.00
350.00	2.90	0.30	0.00
355.00	2.90	0.30	0.00
360.00	2.90	0.30	0.00
365.00	2.90	0.30	0.00
370.00	2.90	0.30	0.00
375.00	2.90	0.30	0.00
380.00	2.90	0.30	0.00
385.00	2.90	0.30	0.00
390.00	2.90	0.30	0.00
395.00	2.90	0.30	0.00
400.00	2.90	0.30	0.00
405.00	2.90	0.30	0.00
410.00	2.90	0.30	0.00
415.00	2.90	0.30	0.00
420.00	2.90	0.30	0.00
425.00	2.90	0.30	0.00
430.00	2.90	0.30	0.00
435.00	2.90	0.30	0.00
440.00	2.90	0.30	0.00
445.00	2.90	0.30	0.00
450.00	2.90	0.30	0.00
455.00	2.90	0.30	0.00
460.00	2.90	0.30	0.00
465.00	2.90	0.30	0.00
470.00	2.90	0.30	0.00
475.00	2.90	0.30	0.00
480.00	2.90	0.30	0.00
485.00	2.90	0.30	0.00
490.00	2.90	0.30	0.00
495.00	2.90	0.30	0.00
500.00	2.90	0.30	0.00

Summary for Subcatchment 3A: Post 3A

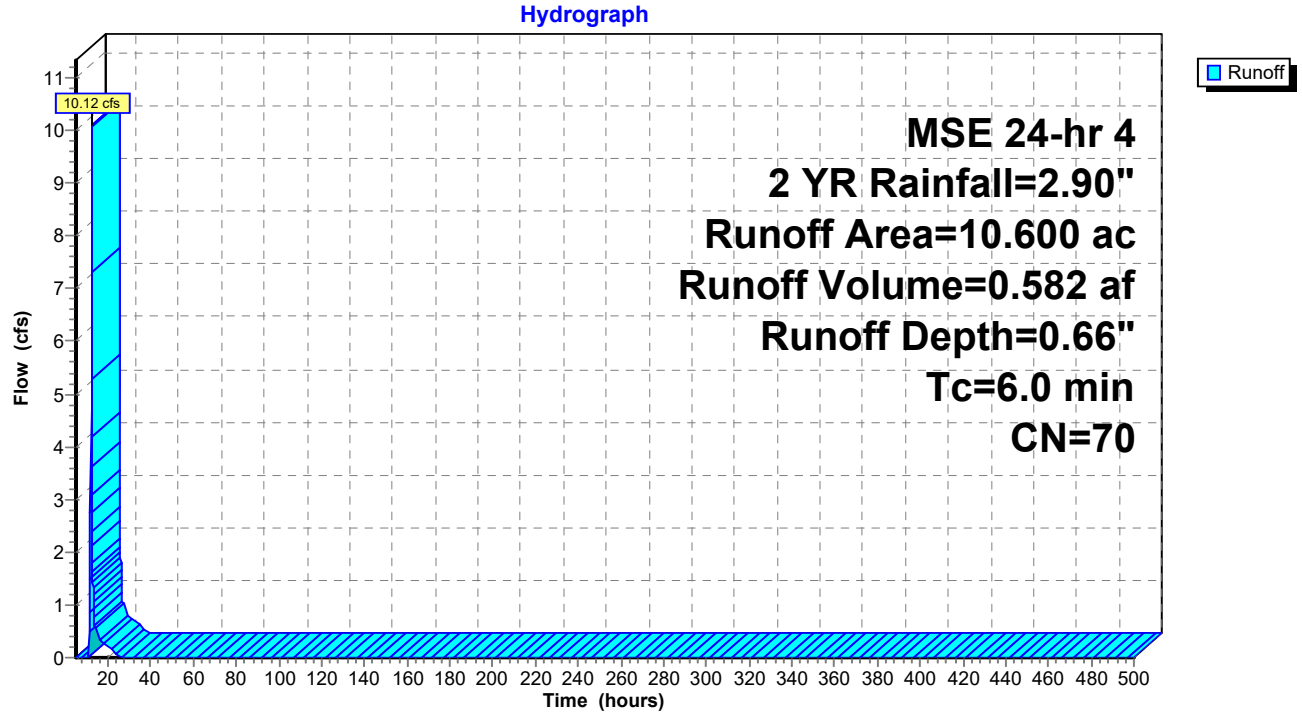
Runoff = 10.12 cfs @ 12.14 hrs, Volume= 0.582 af, Depth= 0.66"
Routed to Pond P3A : Pond 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	1.970	98	Impervious
*	6.570	61	Post - B Soils
*	2.060	74	Post - C Soils
	10.600	70	Weighted Average
	8.630		81.42% Pervious Area
	1.970		18.58% Impervious Area

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

Subcatchment 3A: Post 3A



Hydrograph for Subcatchment 3A: Post 3A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00	260.00	2.90	0.66	0.00
10.00	0.46	0.00	**0.00**	265.00	2.90	0.66	0.00
15.00	2.55	0.48	**0.53**	270.00	2.90	0.66	0.00
20.00	**2.81**	**0.61**	0.21	275.00	2.90	0.66	0.00
25.00	**2.90**	**0.66**	0.00	280.00	2.90	0.66	0.00
30.00	2.90	0.66	0.00	285.00	2.90	0.66	0.00
35.00	2.90	0.66	0.00	290.00	2.90	0.66	0.00
40.00	2.90	0.66	0.00	295.00	2.90	0.66	0.00
45.00	2.90	0.66	0.00	300.00	2.90	0.66	0.00
50.00	2.90	0.66	0.00	305.00	2.90	0.66	0.00
55.00	2.90	0.66	0.00	310.00	2.90	0.66	0.00
60.00	2.90	0.66	0.00	315.00	2.90	0.66	0.00
65.00	2.90	0.66	0.00	320.00	2.90	0.66	0.00
70.00	2.90	0.66	0.00	325.00	2.90	0.66	0.00
75.00	2.90	0.66	0.00	330.00	2.90	0.66	0.00
80.00	2.90	0.66	0.00	335.00	2.90	0.66	0.00
85.00	2.90	0.66	0.00	340.00	2.90	0.66	0.00
90.00	2.90	0.66	0.00	345.00	2.90	0.66	0.00
95.00	2.90	0.66	0.00	350.00	2.90	0.66	0.00
100.00	2.90	0.66	0.00	355.00	2.90	0.66	0.00
105.00	2.90	0.66	0.00	360.00	2.90	0.66	0.00
110.00	2.90	0.66	0.00	365.00	2.90	0.66	0.00
115.00	2.90	0.66	0.00	370.00	2.90	0.66	0.00
120.00	2.90	0.66	0.00	375.00	2.90	0.66	0.00
125.00	2.90	0.66	0.00	380.00	2.90	0.66	0.00
130.00	2.90	0.66	0.00	385.00	2.90	0.66	0.00
135.00	2.90	0.66	0.00	390.00	2.90	0.66	0.00
140.00	2.90	0.66	0.00	395.00	2.90	0.66	0.00
145.00	2.90	0.66	0.00	400.00	2.90	0.66	0.00
150.00	2.90	0.66	0.00	405.00	2.90	0.66	0.00
155.00	2.90	0.66	0.00	410.00	2.90	0.66	0.00
160.00	2.90	0.66	0.00	415.00	2.90	0.66	0.00
165.00	2.90	0.66	0.00	420.00	2.90	0.66	0.00
170.00	2.90	0.66	0.00	425.00	2.90	0.66	0.00
175.00	2.90	0.66	0.00	430.00	2.90	0.66	0.00
180.00	2.90	0.66	0.00	435.00	2.90	0.66	0.00
185.00	2.90	0.66	0.00	440.00	2.90	0.66	0.00
190.00	2.90	0.66	0.00	445.00	2.90	0.66	0.00
195.00	2.90	0.66	0.00	450.00	2.90	0.66	0.00
200.00	2.90	0.66	0.00	455.00	2.90	0.66	0.00
205.00	2.90	0.66	0.00	460.00	2.90	0.66	0.00
210.00	2.90	0.66	0.00	465.00	2.90	0.66	0.00
215.00	2.90	0.66	0.00	470.00	2.90	0.66	0.00
220.00	2.90	0.66	0.00	475.00	2.90	0.66	0.00
225.00	2.90	0.66	0.00	480.00	2.90	0.66	0.00
230.00	2.90	0.66	0.00	485.00	2.90	0.66	0.00
235.00	2.90	0.66	0.00	490.00	2.90	0.66	0.00
240.00	2.90	0.66	0.00	495.00	2.90	0.66	0.00
245.00	2.90	0.66	0.00	500.00	2.90	0.66	0.00
250.00	2.90	0.66	0.00				
255.00	2.90	0.66	0.00				

Summary for Subcatchment 3B: Post 3B

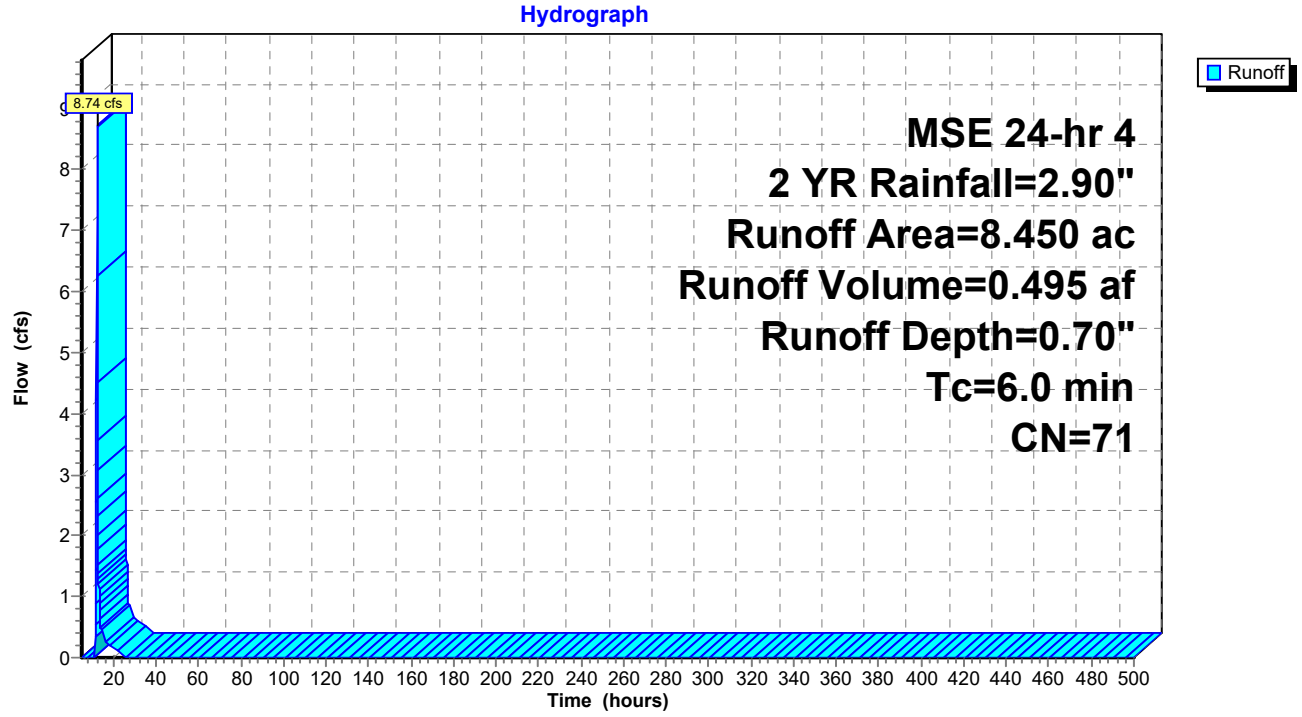
Runoff = 8.74 cfs @ 12.14 hrs, Volume= 0.495 af, Depth= 0.70"
Routed to Pond P3B : Pond 3B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	1.680	98	Impervious
*	5.290	61	Post - B Soils
*	1.480	74	Post - C Soils
	8.450	71	Weighted Average
	6.770		80.12% Pervious Area
	1.680		19.88% Impervious Area

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

Subcatchment 3B: Post 3B



Hydrograph for Subcatchment 3B: Post 3B

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	0.52	**0.44**
20.00	**2.81**	**0.65**	0.17
25.00	**2.90**	**0.70**	0.00
30.00	2.90	0.70	0.00
35.00	2.90	0.70	0.00
40.00	2.90	0.70	0.00
45.00	2.90	0.70	0.00
50.00	2.90	0.70	0.00
55.00	2.90	0.70	0.00
60.00	2.90	0.70	0.00
65.00	2.90	0.70	0.00
70.00	2.90	0.70	0.00
75.00	2.90	0.70	0.00
80.00	2.90	0.70	0.00
85.00	2.90	0.70	0.00
90.00	2.90	0.70	0.00
95.00	2.90	0.70	0.00
100.00	2.90	0.70	0.00
105.00	2.90	0.70	0.00
110.00	2.90	0.70	0.00
115.00	2.90	0.70	0.00
120.00	2.90	0.70	0.00
125.00	2.90	0.70	0.00
130.00	2.90	0.70	0.00
135.00	2.90	0.70	0.00
140.00	2.90	0.70	0.00
145.00	2.90	0.70	0.00
150.00	2.90	0.70	0.00
155.00	2.90	0.70	0.00
160.00	2.90	0.70	0.00
165.00	2.90	0.70	0.00
170.00	2.90	0.70	0.00
175.00	2.90	0.70	0.00
180.00	2.90	0.70	0.00
185.00	2.90	0.70	0.00
190.00	2.90	0.70	0.00
195.00	2.90	0.70	0.00
200.00	2.90	0.70	0.00
205.00	2.90	0.70	0.00
210.00	2.90	0.70	0.00
215.00	2.90	0.70	0.00
220.00	2.90	0.70	0.00
225.00	2.90	0.70	0.00
230.00	2.90	0.70	0.00
235.00	2.90	0.70	0.00
240.00	2.90	0.70	0.00
245.00	2.90	0.70	0.00
250.00	2.90	0.70	0.00
255.00	2.90	0.70	0.00
260.00	2.90	0.70	0.00
265.00	2.90	0.70	0.00
270.00	2.90	0.70	0.00
275.00	2.90	0.70	0.00
280.00	2.90	0.70	0.00
285.00	2.90	0.70	0.00
290.00	2.90	0.70	0.00
295.00	2.90	0.70	0.00
300.00	2.90	0.70	0.00
305.00	2.90	0.70	0.00
310.00	2.90	0.70	0.00
315.00	2.90	0.70	0.00
320.00	2.90	0.70	0.00
325.00	2.90	0.70	0.00
330.00	2.90	0.70	0.00
335.00	2.90	0.70	0.00
340.00	2.90	0.70	0.00
345.00	2.90	0.70	0.00
350.00	2.90	0.70	0.00
355.00	2.90	0.70	0.00
360.00	2.90	0.70	0.00
365.00	2.90	0.70	0.00
370.00	2.90	0.70	0.00
375.00	2.90	0.70	0.00
380.00	2.90	0.70	0.00
385.00	2.90	0.70	0.00
390.00	2.90	0.70	0.00
395.00	2.90	0.70	0.00
400.00	2.90	0.70	0.00
405.00	2.90	0.70	0.00
410.00	2.90	0.70	0.00
415.00	2.90	0.70	0.00
420.00	2.90	0.70	0.00
425.00	2.90	0.70	0.00
430.00	2.90	0.70	0.00
435.00	2.90	0.70	0.00
440.00	2.90	0.70	0.00
445.00	2.90	0.70	0.00
450.00	2.90	0.70	0.00
455.00	2.90	0.70	0.00
460.00	2.90	0.70	0.00
465.00	2.90	0.70	0.00
470.00	2.90	0.70	0.00
475.00	2.90	0.70	0.00
480.00	2.90	0.70	0.00
485.00	2.90	0.70	0.00
490.00	2.90	0.70	0.00
495.00	2.90	0.70	0.00
500.00	2.90	0.70	0.00

Summary for Subcatchment 3C: Post 3C

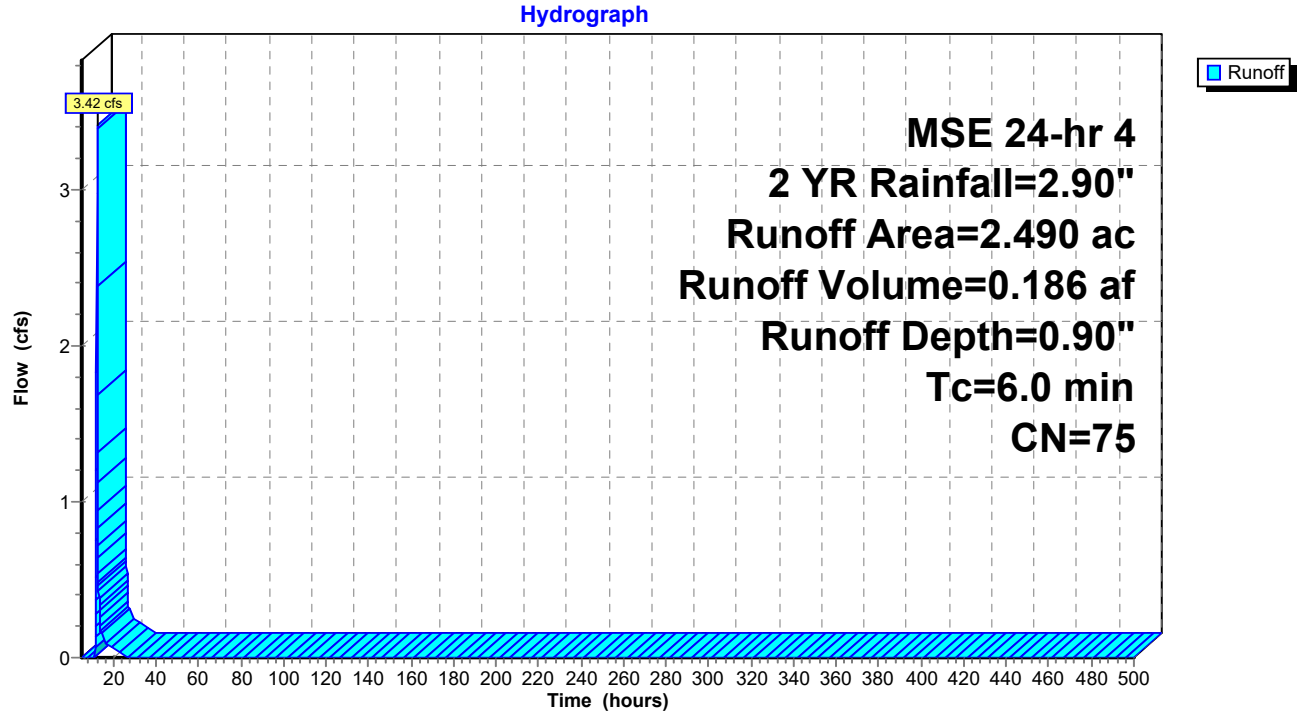
Runoff = 3.42 cfs @ 12.14 hrs, Volume= 0.186 af, Depth= 0.90"
Routed to Pond P3C : Pond 3C

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.800	61	Post - B Soils
*	1.120	74	Post - C Soils
	2.490	75	Weighted Average
	1.920		77.11% Pervious Area
	0.570		22.89% Impervious Area

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

Subcatchment 3C: Post 3C



Hydrograph for Subcatchment 3C: Post 3C

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	0.68	**0.15**
20.00	**2.81**	**0.84**	0.06
25.00	**2.90**	**0.90**	0.00
30.00	2.90	0.90	0.00
35.00	2.90	0.90	0.00
40.00	2.90	0.90	0.00
45.00	2.90	0.90	0.00
50.00	2.90	0.90	0.00
55.00	2.90	0.90	0.00
60.00	2.90	0.90	0.00
65.00	2.90	0.90	0.00
70.00	2.90	0.90	0.00
75.00	2.90	0.90	0.00
80.00	2.90	0.90	0.00
85.00	2.90	0.90	0.00
90.00	2.90	0.90	0.00
95.00	2.90	0.90	0.00
100.00	2.90	0.90	0.00
105.00	2.90	0.90	0.00
110.00	2.90	0.90	0.00
115.00	2.90	0.90	0.00
120.00	2.90	0.90	0.00
125.00	2.90	0.90	0.00
130.00	2.90	0.90	0.00
135.00	2.90	0.90	0.00
140.00	2.90	0.90	0.00
145.00	2.90	0.90	0.00
150.00	2.90	0.90	0.00
155.00	2.90	0.90	0.00
160.00	2.90	0.90	0.00
165.00	2.90	0.90	0.00
170.00	2.90	0.90	0.00
175.00	2.90	0.90	0.00
180.00	2.90	0.90	0.00
185.00	2.90	0.90	0.00
190.00	2.90	0.90	0.00
195.00	2.90	0.90	0.00
200.00	2.90	0.90	0.00
205.00	2.90	0.90	0.00
210.00	2.90	0.90	0.00
215.00	2.90	0.90	0.00
220.00	2.90	0.90	0.00
225.00	2.90	0.90	0.00
230.00	2.90	0.90	0.00
235.00	2.90	0.90	0.00
240.00	2.90	0.90	0.00
245.00	2.90	0.90	0.00
250.00	2.90	0.90	0.00
255.00	2.90	0.90	0.00
260.00	2.90	0.90	0.00
265.00	2.90	0.90	0.00
270.00	2.90	0.90	0.00
275.00	2.90	0.90	0.00
280.00	2.90	0.90	0.00
285.00	2.90	0.90	0.00
290.00	2.90	0.90	0.00
295.00	2.90	0.90	0.00
300.00	2.90	0.90	0.00
305.00	2.90	0.90	0.00
310.00	2.90	0.90	0.00
315.00	2.90	0.90	0.00
320.00	2.90	0.90	0.00
325.00	2.90	0.90	0.00
330.00	2.90	0.90	0.00
335.00	2.90	0.90	0.00
340.00	2.90	0.90	0.00
345.00	2.90	0.90	0.00
350.00	2.90	0.90	0.00
355.00	2.90	0.90	0.00
360.00	2.90	0.90	0.00
365.00	2.90	0.90	0.00
370.00	2.90	0.90	0.00
375.00	2.90	0.90	0.00
380.00	2.90	0.90	0.00
385.00	2.90	0.90	0.00
390.00	2.90	0.90	0.00
395.00	2.90	0.90	0.00
400.00	2.90	0.90	0.00
405.00	2.90	0.90	0.00
410.00	2.90	0.90	0.00
415.00	2.90	0.90	0.00
420.00	2.90	0.90	0.00
425.00	2.90	0.90	0.00
430.00	2.90	0.90	0.00
435.00	2.90	0.90	0.00
440.00	2.90	0.90	0.00
445.00	2.90	0.90	0.00
450.00	2.90	0.90	0.00
455.00	2.90	0.90	0.00
460.00	2.90	0.90	0.00
465.00	2.90	0.90	0.00
470.00	2.90	0.90	0.00
475.00	2.90	0.90	0.00
480.00	2.90	0.90	0.00
485.00	2.90	0.90	0.00
490.00	2.90	0.90	0.00
495.00	2.90	0.90	0.00
500.00	2.90	0.90	0.00

Summary for Subcatchment 3D: Post 3D

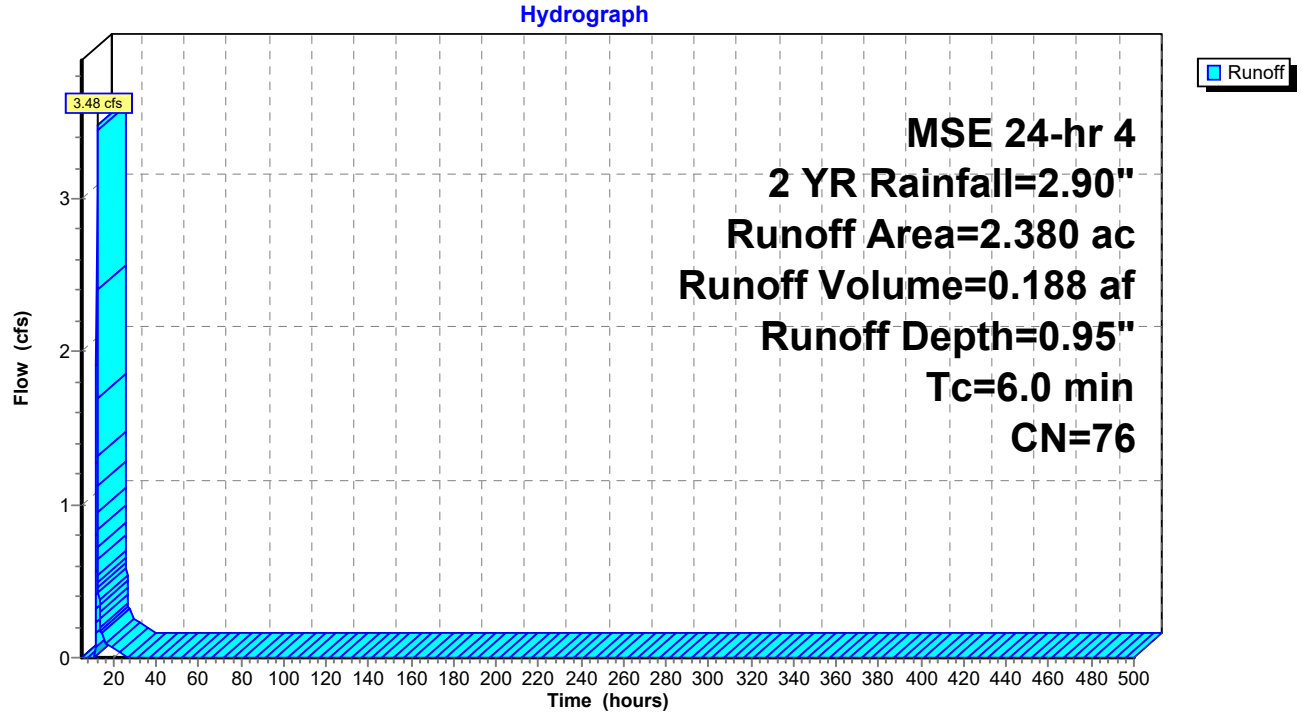
Runoff = 3.48 cfs @ 12.14 hrs, Volume= 0.188 af, Depth= 0.95"
Routed to Pond P3D : Pond 3D

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.610	61	Post - B Soils
*	1.200	74	Post - C Soils
	2.380	76	Weighted Average
	1.810		76.05% Pervious Area
	0.570		23.95% Impervious Area

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

Subcatchment 3D: Post 3D



Hydrograph for Subcatchment 3D: Post 3D

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00	260.00	2.90	0.95	0.00
10.00	0.46	0.00	**0.00**	265.00	2.90	0.95	0.00
15.00	2.55	0.72	**0.15**	270.00	2.90	0.95	0.00
20.00	**2.81**	**0.89**	0.06	275.00	2.90	0.95	0.00
25.00	**2.90**	**0.95**	0.00	280.00	2.90	0.95	0.00
30.00	2.90	0.95	0.00	285.00	2.90	0.95	0.00
35.00	2.90	0.95	0.00	290.00	2.90	0.95	0.00
40.00	2.90	0.95	0.00	295.00	2.90	0.95	0.00
45.00	2.90	0.95	0.00	300.00	2.90	0.95	0.00
50.00	2.90	0.95	0.00	305.00	2.90	0.95	0.00
55.00	2.90	0.95	0.00	310.00	2.90	0.95	0.00
60.00	2.90	0.95	0.00	315.00	2.90	0.95	0.00
65.00	2.90	0.95	0.00	320.00	2.90	0.95	0.00
70.00	2.90	0.95	0.00	325.00	2.90	0.95	0.00
75.00	2.90	0.95	0.00	330.00	2.90	0.95	0.00
80.00	2.90	0.95	0.00	335.00	2.90	0.95	0.00
85.00	2.90	0.95	0.00	340.00	2.90	0.95	0.00
90.00	2.90	0.95	0.00	345.00	2.90	0.95	0.00
95.00	2.90	0.95	0.00	350.00	2.90	0.95	0.00
100.00	2.90	0.95	0.00	355.00	2.90	0.95	0.00
105.00	2.90	0.95	0.00	360.00	2.90	0.95	0.00
110.00	2.90	0.95	0.00	365.00	2.90	0.95	0.00
115.00	2.90	0.95	0.00	370.00	2.90	0.95	0.00
120.00	2.90	0.95	0.00	375.00	2.90	0.95	0.00
125.00	2.90	0.95	0.00	380.00	2.90	0.95	0.00
130.00	2.90	0.95	0.00	385.00	2.90	0.95	0.00
135.00	2.90	0.95	0.00	390.00	2.90	0.95	0.00
140.00	2.90	0.95	0.00	395.00	2.90	0.95	0.00
145.00	2.90	0.95	0.00	400.00	2.90	0.95	0.00
150.00	2.90	0.95	0.00	405.00	2.90	0.95	0.00
155.00	2.90	0.95	0.00	410.00	2.90	0.95	0.00
160.00	2.90	0.95	0.00	415.00	2.90	0.95	0.00
165.00	2.90	0.95	0.00	420.00	2.90	0.95	0.00
170.00	2.90	0.95	0.00	425.00	2.90	0.95	0.00
175.00	2.90	0.95	0.00	430.00	2.90	0.95	0.00
180.00	2.90	0.95	0.00	435.00	2.90	0.95	0.00
185.00	2.90	0.95	0.00	440.00	2.90	0.95	0.00
190.00	2.90	0.95	0.00	445.00	2.90	0.95	0.00
195.00	2.90	0.95	0.00	450.00	2.90	0.95	0.00
200.00	2.90	0.95	0.00	455.00	2.90	0.95	0.00
205.00	2.90	0.95	0.00	460.00	2.90	0.95	0.00
210.00	2.90	0.95	0.00	465.00	2.90	0.95	0.00
215.00	2.90	0.95	0.00	470.00	2.90	0.95	0.00
220.00	2.90	0.95	0.00	475.00	2.90	0.95	0.00
225.00	2.90	0.95	0.00	480.00	2.90	0.95	0.00
230.00	2.90	0.95	0.00	485.00	2.90	0.95	0.00
235.00	2.90	0.95	0.00	490.00	2.90	0.95	0.00
240.00	2.90	0.95	0.00	495.00	2.90	0.95	0.00
245.00	2.90	0.95	0.00	500.00	2.90	0.95	0.00
250.00	2.90	0.95	0.00				
255.00	2.90	0.95	0.00				

Summary for Subcatchment 3E: Post 3E

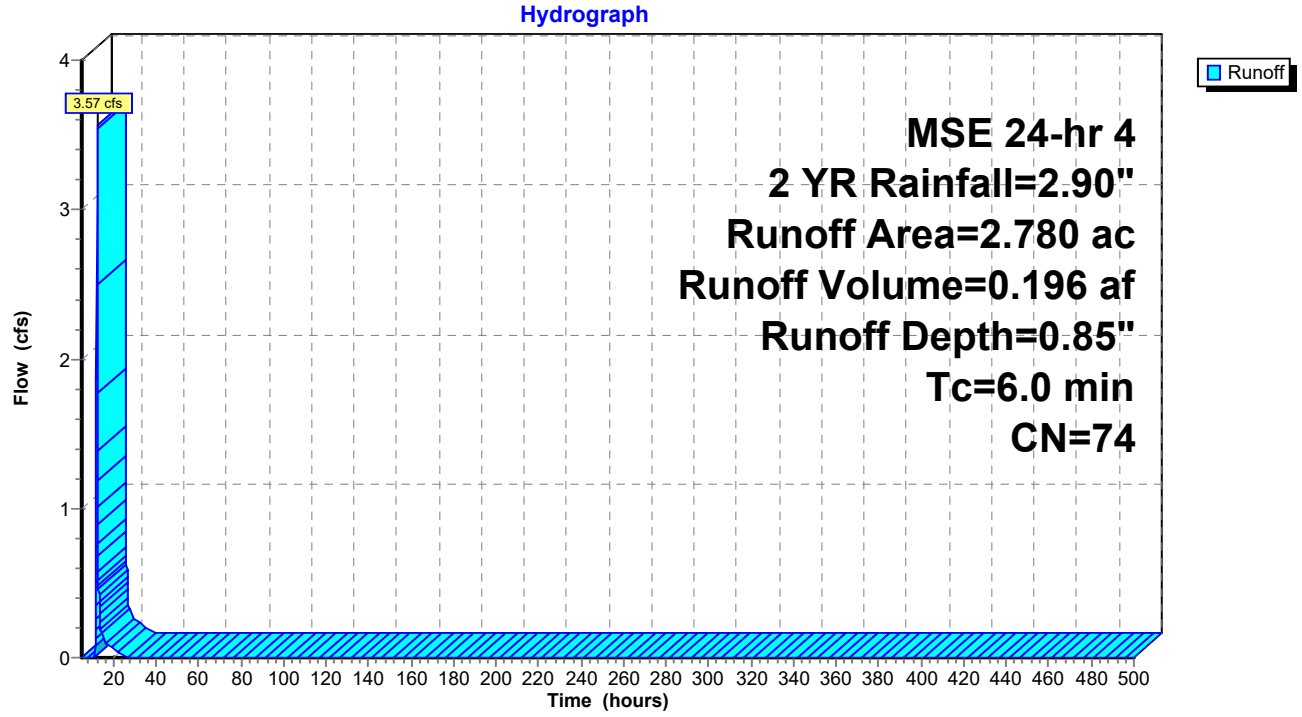
Runoff = 3.57 cfs @ 12.14 hrs, Volume= 0.196 af, Depth= 0.85"
Routed to Pond P3E : Pond 3E

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	0.530	98	Impervious
*	0.920	61	Post - B Soils
*	1.330	74	Post - C Soils
	2.780	74	Weighted Average
	2.250		80.94% Pervious Area
	0.530		19.06% Impervious Area

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

Subcatchment 3E: Post 3E



Hydrograph for Subcatchment 3E: Post 3E

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00	260.00	2.90	0.85	0.00
10.00	0.46	0.00	**0.00**	265.00	2.90	0.85	0.00
15.00	2.55	0.64	**0.16**	270.00	2.90	0.85	0.00
20.00	**2.81**	**0.79**	0.06	275.00	2.90	0.85	0.00
25.00	**2.90**	**0.85**	0.00	280.00	2.90	0.85	0.00
30.00	2.90	0.85	0.00	285.00	2.90	0.85	0.00
35.00	2.90	0.85	0.00	290.00	2.90	0.85	0.00
40.00	2.90	0.85	0.00	295.00	2.90	0.85	0.00
45.00	2.90	0.85	0.00	300.00	2.90	0.85	0.00
50.00	2.90	0.85	0.00	305.00	2.90	0.85	0.00
55.00	2.90	0.85	0.00	310.00	2.90	0.85	0.00
60.00	2.90	0.85	0.00	315.00	2.90	0.85	0.00
65.00	2.90	0.85	0.00	320.00	2.90	0.85	0.00
70.00	2.90	0.85	0.00	325.00	2.90	0.85	0.00
75.00	2.90	0.85	0.00	330.00	2.90	0.85	0.00
80.00	2.90	0.85	0.00	335.00	2.90	0.85	0.00
85.00	2.90	0.85	0.00	340.00	2.90	0.85	0.00
90.00	2.90	0.85	0.00	345.00	2.90	0.85	0.00
95.00	2.90	0.85	0.00	350.00	2.90	0.85	0.00
100.00	2.90	0.85	0.00	355.00	2.90	0.85	0.00
105.00	2.90	0.85	0.00	360.00	2.90	0.85	0.00
110.00	2.90	0.85	0.00	365.00	2.90	0.85	0.00
115.00	2.90	0.85	0.00	370.00	2.90	0.85	0.00
120.00	2.90	0.85	0.00	375.00	2.90	0.85	0.00
125.00	2.90	0.85	0.00	380.00	2.90	0.85	0.00
130.00	2.90	0.85	0.00	385.00	2.90	0.85	0.00
135.00	2.90	0.85	0.00	390.00	2.90	0.85	0.00
140.00	2.90	0.85	0.00	395.00	2.90	0.85	0.00
145.00	2.90	0.85	0.00	400.00	2.90	0.85	0.00
150.00	2.90	0.85	0.00	405.00	2.90	0.85	0.00
155.00	2.90	0.85	0.00	410.00	2.90	0.85	0.00
160.00	2.90	0.85	0.00	415.00	2.90	0.85	0.00
165.00	2.90	0.85	0.00	420.00	2.90	0.85	0.00
170.00	2.90	0.85	0.00	425.00	2.90	0.85	0.00
175.00	2.90	0.85	0.00	430.00	2.90	0.85	0.00
180.00	2.90	0.85	0.00	435.00	2.90	0.85	0.00
185.00	2.90	0.85	0.00	440.00	2.90	0.85	0.00
190.00	2.90	0.85	0.00	445.00	2.90	0.85	0.00
195.00	2.90	0.85	0.00	450.00	2.90	0.85	0.00
200.00	2.90	0.85	0.00	455.00	2.90	0.85	0.00
205.00	2.90	0.85	0.00	460.00	2.90	0.85	0.00
210.00	2.90	0.85	0.00	465.00	2.90	0.85	0.00
215.00	2.90	0.85	0.00	470.00	2.90	0.85	0.00
220.00	2.90	0.85	0.00	475.00	2.90	0.85	0.00
225.00	2.90	0.85	0.00	480.00	2.90	0.85	0.00
230.00	2.90	0.85	0.00	485.00	2.90	0.85	0.00
235.00	2.90	0.85	0.00	490.00	2.90	0.85	0.00
240.00	2.90	0.85	0.00	495.00	2.90	0.85	0.00
245.00	2.90	0.85	0.00	500.00	2.90	0.85	0.00
250.00	2.90	0.85	0.00				
255.00	2.90	0.85	0.00				

Summary for Subcatchment 3Y: Post 3Y - Offsite

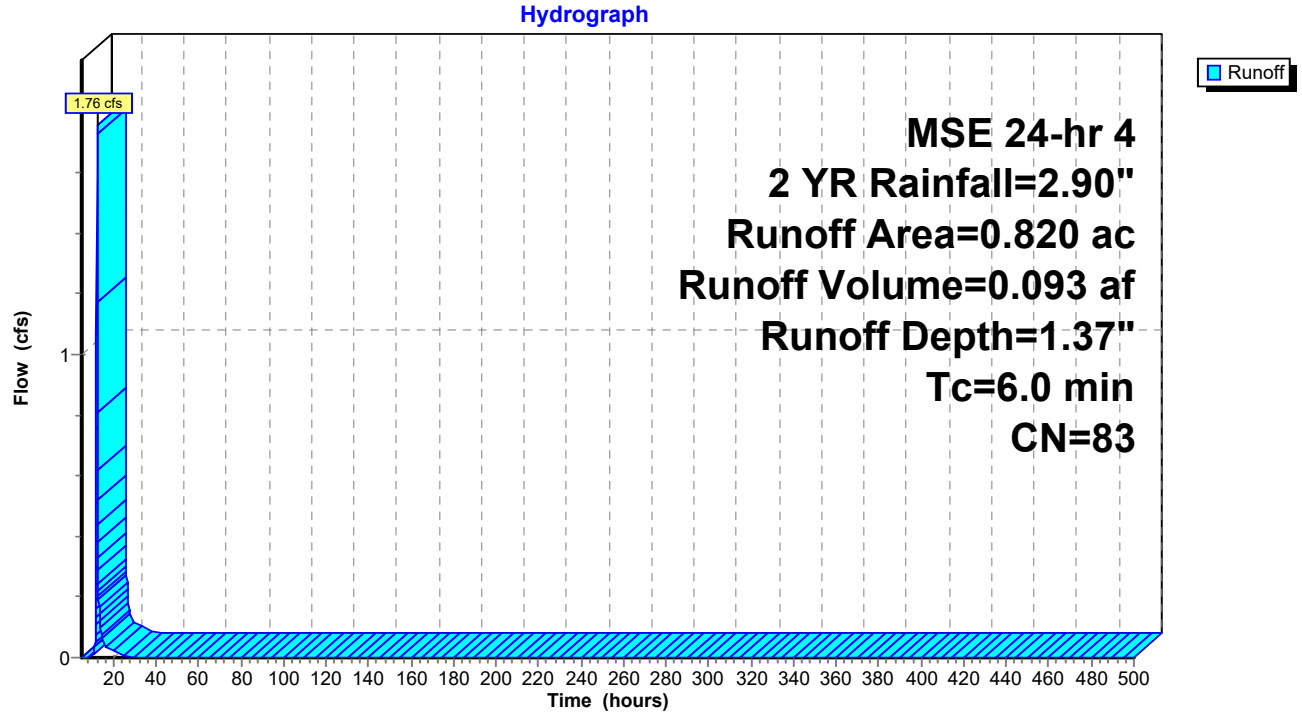
Runoff = 1.76 cfs @ 12.13 hrs, Volume= 0.093 af, Depth= 1.37"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	0.300	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.820	83	Weighted Average
	0.520		63.41% Pervious Area
	0.300		36.59% Impervious Area

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

Subcatchment 3Y: Post 3Y - Offsite



Hydrograph for Subcatchment 3Y: Post 3Y - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	1.09	**0.06**
20.00	**2.81**	**1.29**	0.02
25.00	**2.90**	**1.37**	0.00
30.00	2.90	1.37	0.00
35.00	2.90	1.37	0.00
40.00	2.90	1.37	0.00
45.00	2.90	1.37	0.00
50.00	2.90	1.37	0.00
55.00	2.90	1.37	0.00
60.00	2.90	1.37	0.00
65.00	2.90	1.37	0.00
70.00	2.90	1.37	0.00
75.00	2.90	1.37	0.00
80.00	2.90	1.37	0.00
85.00	2.90	1.37	0.00
90.00	2.90	1.37	0.00
95.00	2.90	1.37	0.00
100.00	2.90	1.37	0.00
105.00	2.90	1.37	0.00
110.00	2.90	1.37	0.00
115.00	2.90	1.37	0.00
120.00	2.90	1.37	0.00
125.00	2.90	1.37	0.00
130.00	2.90	1.37	0.00
135.00	2.90	1.37	0.00
140.00	2.90	1.37	0.00
145.00	2.90	1.37	0.00
150.00	2.90	1.37	0.00
155.00	2.90	1.37	0.00
160.00	2.90	1.37	0.00
165.00	2.90	1.37	0.00
170.00	2.90	1.37	0.00
175.00	2.90	1.37	0.00
180.00	2.90	1.37	0.00
185.00	2.90	1.37	0.00
190.00	2.90	1.37	0.00
195.00	2.90	1.37	0.00
200.00	2.90	1.37	0.00
205.00	2.90	1.37	0.00
210.00	2.90	1.37	0.00
215.00	2.90	1.37	0.00
220.00	2.90	1.37	0.00
225.00	2.90	1.37	0.00
230.00	2.90	1.37	0.00
235.00	2.90	1.37	0.00
240.00	2.90	1.37	0.00
245.00	2.90	1.37	0.00
250.00	2.90	1.37	0.00
255.00	2.90	1.37	0.00
260.00	2.90	1.37	0.00
265.00	2.90	1.37	0.00
270.00	2.90	1.37	0.00
275.00	2.90	1.37	0.00
280.00	2.90	1.37	0.00
285.00	2.90	1.37	0.00
290.00	2.90	1.37	0.00
295.00	2.90	1.37	0.00
300.00	2.90	1.37	0.00
305.00	2.90	1.37	0.00
310.00	2.90	1.37	0.00
315.00	2.90	1.37	0.00
320.00	2.90	1.37	0.00
325.00	2.90	1.37	0.00
330.00	2.90	1.37	0.00
335.00	2.90	1.37	0.00
340.00	2.90	1.37	0.00
345.00	2.90	1.37	0.00
350.00	2.90	1.37	0.00
355.00	2.90	1.37	0.00
360.00	2.90	1.37	0.00
365.00	2.90	1.37	0.00
370.00	2.90	1.37	0.00
375.00	2.90	1.37	0.00
380.00	2.90	1.37	0.00
385.00	2.90	1.37	0.00
390.00	2.90	1.37	0.00
395.00	2.90	1.37	0.00
400.00	2.90	1.37	0.00
405.00	2.90	1.37	0.00
410.00	2.90	1.37	0.00
415.00	2.90	1.37	0.00
420.00	2.90	1.37	0.00
425.00	2.90	1.37	0.00
430.00	2.90	1.37	0.00
435.00	2.90	1.37	0.00
440.00	2.90	1.37	0.00
445.00	2.90	1.37	0.00
450.00	2.90	1.37	0.00
455.00	2.90	1.37	0.00
460.00	2.90	1.37	0.00
465.00	2.90	1.37	0.00
470.00	2.90	1.37	0.00
475.00	2.90	1.37	0.00
480.00	2.90	1.37	0.00
485.00	2.90	1.37	0.00
490.00	2.90	1.37	0.00
495.00	2.90	1.37	0.00
500.00	2.90	1.37	0.00

Summary for Subcatchment 3Z: Post 3Z - Offsite

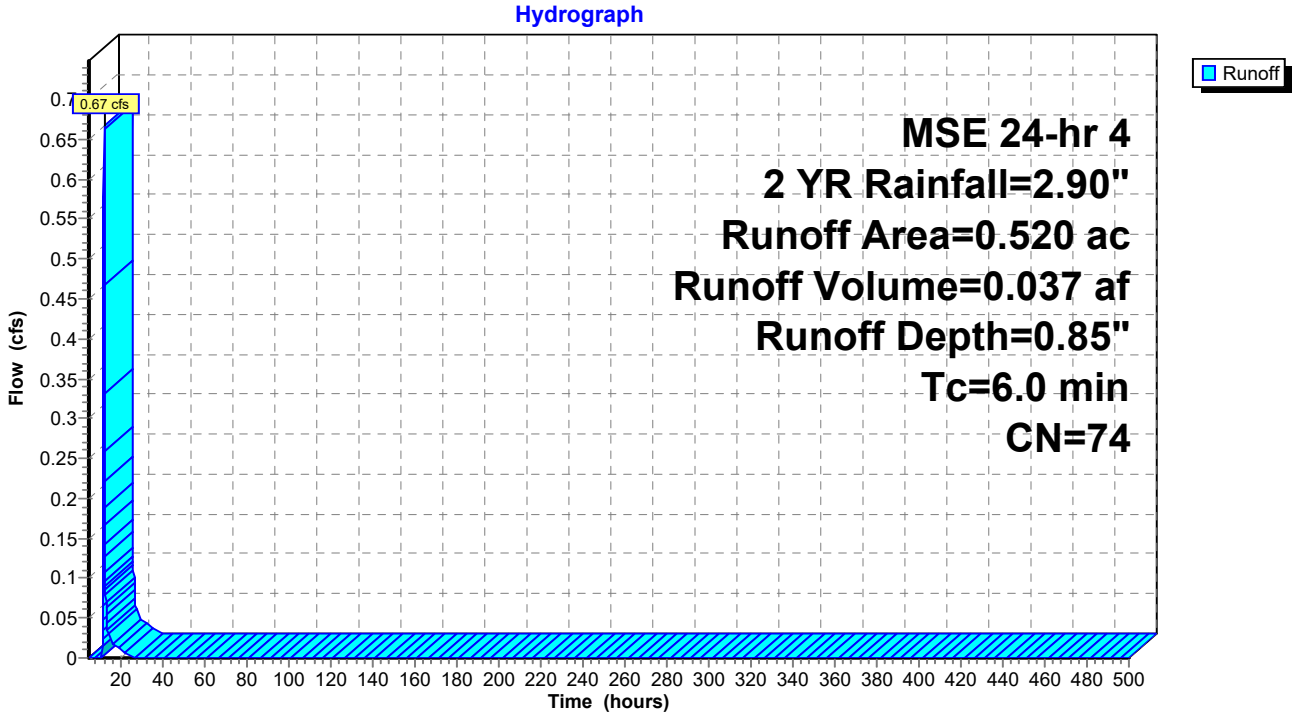
Runoff = 0.67 cfs @ 12.14 hrs, Volume= 0.037 af, Depth= 0.85"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (ac)	CN	Description
*	0.000	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.520	74	Weighted Average
	0.520		100.00% Pervious Area

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

Subcatchment 3Z: Post 3Z - Offsite



Hydrograph for Subcatchment 3Z: Post 3Z - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	0.64	**0.03**
20.00	**2.81**	**0.79**	0.01
25.00	**2.90**	**0.85**	0.00
30.00	2.90	0.85	0.00
35.00	2.90	0.85	0.00
40.00	2.90	0.85	0.00
45.00	2.90	0.85	0.00
50.00	2.90	0.85	0.00
55.00	2.90	0.85	0.00
60.00	2.90	0.85	0.00
65.00	2.90	0.85	0.00
70.00	2.90	0.85	0.00
75.00	2.90	0.85	0.00
80.00	2.90	0.85	0.00
85.00	2.90	0.85	0.00
90.00	2.90	0.85	0.00
95.00	2.90	0.85	0.00
100.00	2.90	0.85	0.00
105.00	2.90	0.85	0.00
110.00	2.90	0.85	0.00
115.00	2.90	0.85	0.00
120.00	2.90	0.85	0.00
125.00	2.90	0.85	0.00
130.00	2.90	0.85	0.00
135.00	2.90	0.85	0.00
140.00	2.90	0.85	0.00
145.00	2.90	0.85	0.00
150.00	2.90	0.85	0.00
155.00	2.90	0.85	0.00
160.00	2.90	0.85	0.00
165.00	2.90	0.85	0.00
170.00	2.90	0.85	0.00
175.00	2.90	0.85	0.00
180.00	2.90	0.85	0.00
185.00	2.90	0.85	0.00
190.00	2.90	0.85	0.00
195.00	2.90	0.85	0.00
200.00	2.90	0.85	0.00
205.00	2.90	0.85	0.00
210.00	2.90	0.85	0.00
215.00	2.90	0.85	0.00
220.00	2.90	0.85	0.00
225.00	2.90	0.85	0.00
230.00	2.90	0.85	0.00
235.00	2.90	0.85	0.00
240.00	2.90	0.85	0.00
245.00	2.90	0.85	0.00
250.00	2.90	0.85	0.00
255.00	2.90	0.85	0.00
260.00	2.90	0.85	0.00
265.00	2.90	0.85	0.00
270.00	2.90	0.85	0.00
275.00	2.90	0.85	0.00
280.00	2.90	0.85	0.00
285.00	2.90	0.85	0.00
290.00	2.90	0.85	0.00
295.00	2.90	0.85	0.00
300.00	2.90	0.85	0.00
305.00	2.90	0.85	0.00
310.00	2.90	0.85	0.00
315.00	2.90	0.85	0.00
320.00	2.90	0.85	0.00
325.00	2.90	0.85	0.00
330.00	2.90	0.85	0.00
335.00	2.90	0.85	0.00
340.00	2.90	0.85	0.00
345.00	2.90	0.85	0.00
350.00	2.90	0.85	0.00
355.00	2.90	0.85	0.00
360.00	2.90	0.85	0.00
365.00	2.90	0.85	0.00
370.00	2.90	0.85	0.00
375.00	2.90	0.85	0.00
380.00	2.90	0.85	0.00
385.00	2.90	0.85	0.00
390.00	2.90	0.85	0.00
395.00	2.90	0.85	0.00
400.00	2.90	0.85	0.00
405.00	2.90	0.85	0.00
410.00	2.90	0.85	0.00
415.00	2.90	0.85	0.00
420.00	2.90	0.85	0.00
425.00	2.90	0.85	0.00
430.00	2.90	0.85	0.00
435.00	2.90	0.85	0.00
440.00	2.90	0.85	0.00
445.00	2.90	0.85	0.00
450.00	2.90	0.85	0.00
455.00	2.90	0.85	0.00
460.00	2.90	0.85	0.00
465.00	2.90	0.85	0.00
470.00	2.90	0.85	0.00
475.00	2.90	0.85	0.00
480.00	2.90	0.85	0.00
485.00	2.90	0.85	0.00
490.00	2.90	0.85	0.00
495.00	2.90	0.85	0.00
500.00	2.90	0.85	0.00

Summary for Subcatchment 5S: Culvert 1

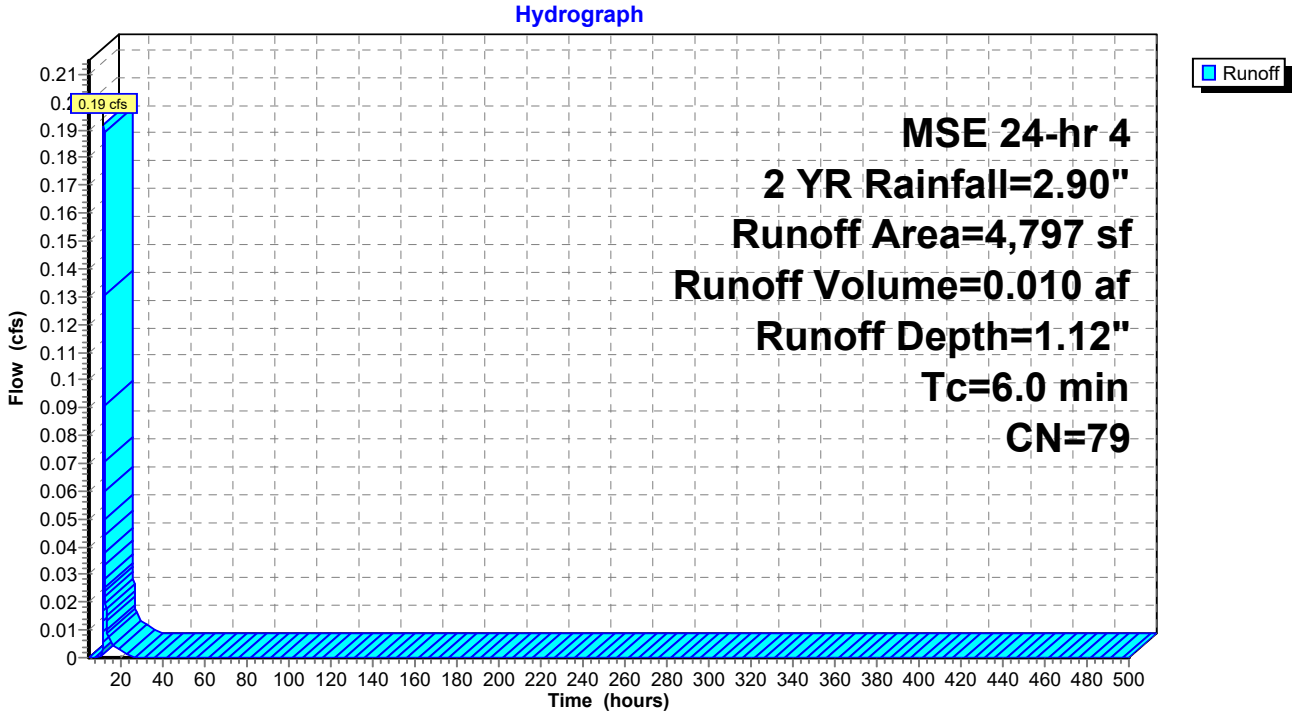
Runoff = 0.19 cfs @ 12.14 hrs, Volume= 0.010 af, Depth= 1.12"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (sf)	CN	Description
*	2,465	61	Post - B Soils
*	2,332	98	Impervious
	4,797	79	Weighted Average
	2,465		51.39% Pervious Area
	2,332		48.61% Impervious Area

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

Subcatchment 5S: Culvert 1



Hydrograph for Subcatchment 5S: Culvert 1

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00	260.00	2.90	1.12	0.00
10.00	0.46	0.00	**0.00**	265.00	2.90	1.12	0.00
15.00	2.55	0.87	**0.01**	270.00	2.90	1.12	0.00
20.00	**2.81**	**1.05**	0.00	275.00	2.90	1.12	0.00
25.00	**2.90**	**1.12**	0.00	280.00	2.90	1.12	0.00
30.00	2.90	1.12	0.00	285.00	2.90	1.12	0.00
35.00	2.90	1.12	0.00	290.00	2.90	1.12	0.00
40.00	2.90	1.12	0.00	295.00	2.90	1.12	0.00
45.00	2.90	1.12	0.00	300.00	2.90	1.12	0.00
50.00	2.90	1.12	0.00	305.00	2.90	1.12	0.00
55.00	2.90	1.12	0.00	310.00	2.90	1.12	0.00
60.00	2.90	1.12	0.00	315.00	2.90	1.12	0.00
65.00	2.90	1.12	0.00	320.00	2.90	1.12	0.00
70.00	2.90	1.12	0.00	325.00	2.90	1.12	0.00
75.00	2.90	1.12	0.00	330.00	2.90	1.12	0.00
80.00	2.90	1.12	0.00	335.00	2.90	1.12	0.00
85.00	2.90	1.12	0.00	340.00	2.90	1.12	0.00
90.00	2.90	1.12	0.00	345.00	2.90	1.12	0.00
95.00	2.90	1.12	0.00	350.00	2.90	1.12	0.00
100.00	2.90	1.12	0.00	355.00	2.90	1.12	0.00
105.00	2.90	1.12	0.00	360.00	2.90	1.12	0.00
110.00	2.90	1.12	0.00	365.00	2.90	1.12	0.00
115.00	2.90	1.12	0.00	370.00	2.90	1.12	0.00
120.00	2.90	1.12	0.00	375.00	2.90	1.12	0.00
125.00	2.90	1.12	0.00	380.00	2.90	1.12	0.00
130.00	2.90	1.12	0.00	385.00	2.90	1.12	0.00
135.00	2.90	1.12	0.00	390.00	2.90	1.12	0.00
140.00	2.90	1.12	0.00	395.00	2.90	1.12	0.00
145.00	2.90	1.12	0.00	400.00	2.90	1.12	0.00
150.00	2.90	1.12	0.00	405.00	2.90	1.12	0.00
155.00	2.90	1.12	0.00	410.00	2.90	1.12	0.00
160.00	2.90	1.12	0.00	415.00	2.90	1.12	0.00
165.00	2.90	1.12	0.00	420.00	2.90	1.12	0.00
170.00	2.90	1.12	0.00	425.00	2.90	1.12	0.00
175.00	2.90	1.12	0.00	430.00	2.90	1.12	0.00
180.00	2.90	1.12	0.00	435.00	2.90	1.12	0.00
185.00	2.90	1.12	0.00	440.00	2.90	1.12	0.00
190.00	2.90	1.12	0.00	445.00	2.90	1.12	0.00
195.00	2.90	1.12	0.00	450.00	2.90	1.12	0.00
200.00	2.90	1.12	0.00	455.00	2.90	1.12	0.00
205.00	2.90	1.12	0.00	460.00	2.90	1.12	0.00
210.00	2.90	1.12	0.00	465.00	2.90	1.12	0.00
215.00	2.90	1.12	0.00	470.00	2.90	1.12	0.00
220.00	2.90	1.12	0.00	475.00	2.90	1.12	0.00
225.00	2.90	1.12	0.00	480.00	2.90	1.12	0.00
230.00	2.90	1.12	0.00	485.00	2.90	1.12	0.00
235.00	2.90	1.12	0.00	490.00	2.90	1.12	0.00
240.00	2.90	1.12	0.00	495.00	2.90	1.12	0.00
245.00	2.90	1.12	0.00	500.00	2.90	1.12	0.00
250.00	2.90	1.12	0.00				
255.00	2.90	1.12	0.00				

Summary for Subcatchment 6S: Culvert 2

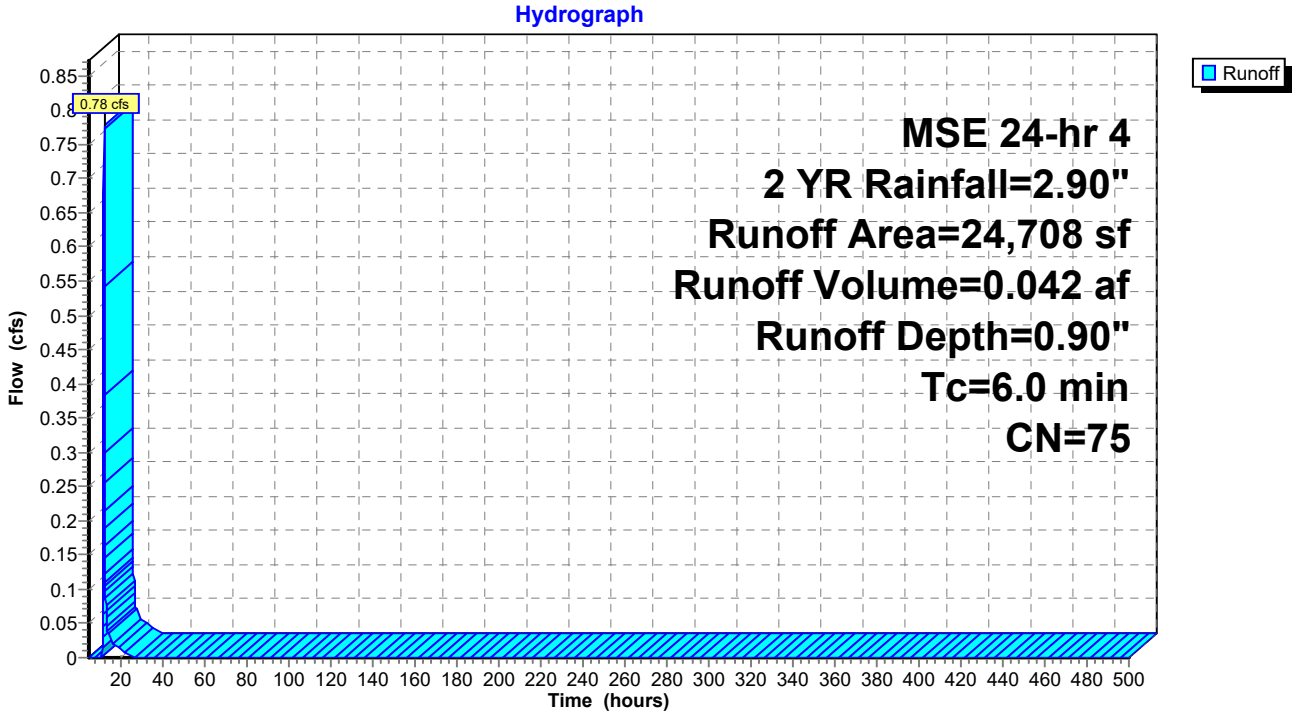
Runoff = 0.78 cfs @ 12.14 hrs, Volume= 0.042 af, Depth= 0.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (sf)	CN	Description
*	15,597	61	Post - B Soils
*	9,111	98	Impervious
	24,708	75	Weighted Average
	15,597		63.13% Pervious Area
	9,111		36.87% Impervious Area

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

Subcatchment 6S: Culvert 2



Hydrograph for Subcatchment 6S: Culvert 2

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	0.68	**0.03**
20.00	**2.81**	**0.84**	0.01
25.00	**2.90**	**0.90**	0.00
30.00	2.90	0.90	0.00
35.00	2.90	0.90	0.00
40.00	2.90	0.90	0.00
45.00	2.90	0.90	0.00
50.00	2.90	0.90	0.00
55.00	2.90	0.90	0.00
60.00	2.90	0.90	0.00
65.00	2.90	0.90	0.00
70.00	2.90	0.90	0.00
75.00	2.90	0.90	0.00
80.00	2.90	0.90	0.00
85.00	2.90	0.90	0.00
90.00	2.90	0.90	0.00
95.00	2.90	0.90	0.00
100.00	2.90	0.90	0.00
105.00	2.90	0.90	0.00
110.00	2.90	0.90	0.00
115.00	2.90	0.90	0.00
120.00	2.90	0.90	0.00
125.00	2.90	0.90	0.00
130.00	2.90	0.90	0.00
135.00	2.90	0.90	0.00
140.00	2.90	0.90	0.00
145.00	2.90	0.90	0.00
150.00	2.90	0.90	0.00
155.00	2.90	0.90	0.00
160.00	2.90	0.90	0.00
165.00	2.90	0.90	0.00
170.00	2.90	0.90	0.00
175.00	2.90	0.90	0.00
180.00	2.90	0.90	0.00
185.00	2.90	0.90	0.00
190.00	2.90	0.90	0.00
195.00	2.90	0.90	0.00
200.00	2.90	0.90	0.00
205.00	2.90	0.90	0.00
210.00	2.90	0.90	0.00
215.00	2.90	0.90	0.00
220.00	2.90	0.90	0.00
225.00	2.90	0.90	0.00
230.00	2.90	0.90	0.00
235.00	2.90	0.90	0.00
240.00	2.90	0.90	0.00
245.00	2.90	0.90	0.00
250.00	2.90	0.90	0.00
255.00	2.90	0.90	0.00
260.00	2.90	0.90	0.00
265.00	2.90	0.90	0.00
270.00	2.90	0.90	0.00
275.00	2.90	0.90	0.00
280.00	2.90	0.90	0.00
285.00	2.90	0.90	0.00
290.00	2.90	0.90	0.00
295.00	2.90	0.90	0.00
300.00	2.90	0.90	0.00
305.00	2.90	0.90	0.00
310.00	2.90	0.90	0.00
315.00	2.90	0.90	0.00
320.00	2.90	0.90	0.00
325.00	2.90	0.90	0.00
330.00	2.90	0.90	0.00
335.00	2.90	0.90	0.00
340.00	2.90	0.90	0.00
345.00	2.90	0.90	0.00
350.00	2.90	0.90	0.00
355.00	2.90	0.90	0.00
360.00	2.90	0.90	0.00
365.00	2.90	0.90	0.00
370.00	2.90	0.90	0.00
375.00	2.90	0.90	0.00
380.00	2.90	0.90	0.00
385.00	2.90	0.90	0.00
390.00	2.90	0.90	0.00
395.00	2.90	0.90	0.00
400.00	2.90	0.90	0.00
405.00	2.90	0.90	0.00
410.00	2.90	0.90	0.00
415.00	2.90	0.90	0.00
420.00	2.90	0.90	0.00
425.00	2.90	0.90	0.00
430.00	2.90	0.90	0.00
435.00	2.90	0.90	0.00
440.00	2.90	0.90	0.00
445.00	2.90	0.90	0.00
450.00	2.90	0.90	0.00
455.00	2.90	0.90	0.00
460.00	2.90	0.90	0.00
465.00	2.90	0.90	0.00
470.00	2.90	0.90	0.00
475.00	2.90	0.90	0.00
480.00	2.90	0.90	0.00
485.00	2.90	0.90	0.00
490.00	2.90	0.90	0.00
495.00	2.90	0.90	0.00
500.00	2.90	0.90	0.00

Summary for Subcatchment 7S: Culvert 3

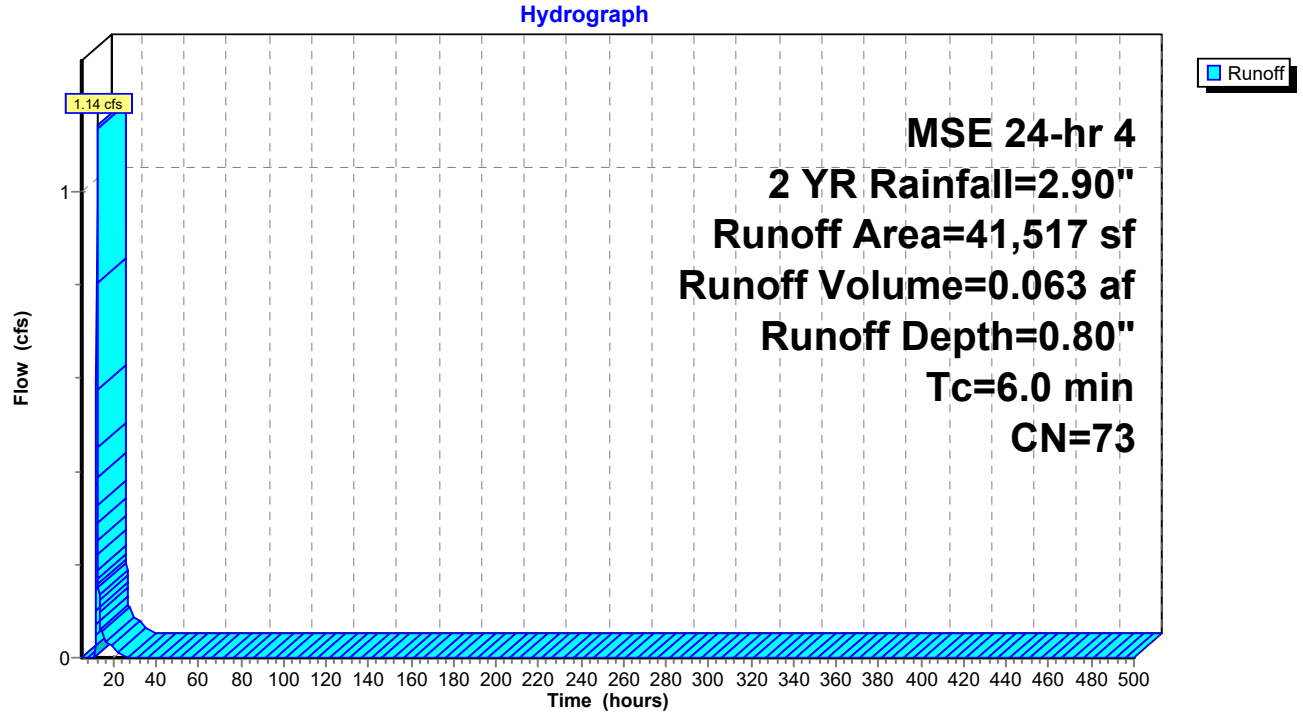
Runoff = 1.14 cfs @ 12.14 hrs, Volume= 0.063 af, Depth= 0.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (sf)	CN	Description
*	28,233	61	Post - B Soils
*	13,284	98	Impervious
	41,517	73	Weighted Average
	28,233		68.00% Pervious Area
	13,284		32.00% Impervious Area

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

Subcatchment 7S: Culvert 3



Hydrograph for Subcatchment 7S: Culvert 3

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	0.59	**0.05**
20.00	**2.81**	**0.74**	0.02
25.00	**2.90**	**0.80**	0.00
30.00	2.90	0.80	0.00
35.00	2.90	0.80	0.00
40.00	2.90	0.80	0.00
45.00	2.90	0.80	0.00
50.00	2.90	0.80	0.00
55.00	2.90	0.80	0.00
60.00	2.90	0.80	0.00
65.00	2.90	0.80	0.00
70.00	2.90	0.80	0.00
75.00	2.90	0.80	0.00
80.00	2.90	0.80	0.00
85.00	2.90	0.80	0.00
90.00	2.90	0.80	0.00
95.00	2.90	0.80	0.00
100.00	2.90	0.80	0.00
105.00	2.90	0.80	0.00
110.00	2.90	0.80	0.00
115.00	2.90	0.80	0.00
120.00	2.90	0.80	0.00
125.00	2.90	0.80	0.00
130.00	2.90	0.80	0.00
135.00	2.90	0.80	0.00
140.00	2.90	0.80	0.00
145.00	2.90	0.80	0.00
150.00	2.90	0.80	0.00
155.00	2.90	0.80	0.00
160.00	2.90	0.80	0.00
165.00	2.90	0.80	0.00
170.00	2.90	0.80	0.00
175.00	2.90	0.80	0.00
180.00	2.90	0.80	0.00
185.00	2.90	0.80	0.00
190.00	2.90	0.80	0.00
195.00	2.90	0.80	0.00
200.00	2.90	0.80	0.00
205.00	2.90	0.80	0.00
210.00	2.90	0.80	0.00
215.00	2.90	0.80	0.00
220.00	2.90	0.80	0.00
225.00	2.90	0.80	0.00
230.00	2.90	0.80	0.00
235.00	2.90	0.80	0.00
240.00	2.90	0.80	0.00
245.00	2.90	0.80	0.00
250.00	2.90	0.80	0.00
255.00	2.90	0.80	0.00
260.00	2.90	0.80	0.00
265.00	2.90	0.80	0.00
270.00	2.90	0.80	0.00
275.00	2.90	0.80	0.00
280.00	2.90	0.80	0.00
285.00	2.90	0.80	0.00
290.00	2.90	0.80	0.00
295.00	2.90	0.80	0.00
300.00	2.90	0.80	0.00
305.00	2.90	0.80	0.00
310.00	2.90	0.80	0.00
315.00	2.90	0.80	0.00
320.00	2.90	0.80	0.00
325.00	2.90	0.80	0.00
330.00	2.90	0.80	0.00
335.00	2.90	0.80	0.00
340.00	2.90	0.80	0.00
345.00	2.90	0.80	0.00
350.00	2.90	0.80	0.00
355.00	2.90	0.80	0.00
360.00	2.90	0.80	0.00
365.00	2.90	0.80	0.00
370.00	2.90	0.80	0.00
375.00	2.90	0.80	0.00
380.00	2.90	0.80	0.00
385.00	2.90	0.80	0.00
390.00	2.90	0.80	0.00
395.00	2.90	0.80	0.00
400.00	2.90	0.80	0.00
405.00	2.90	0.80	0.00
410.00	2.90	0.80	0.00
415.00	2.90	0.80	0.00
420.00	2.90	0.80	0.00
425.00	2.90	0.80	0.00
430.00	2.90	0.80	0.00
435.00	2.90	0.80	0.00
440.00	2.90	0.80	0.00
445.00	2.90	0.80	0.00
450.00	2.90	0.80	0.00
455.00	2.90	0.80	0.00
460.00	2.90	0.80	0.00
465.00	2.90	0.80	0.00
470.00	2.90	0.80	0.00
475.00	2.90	0.80	0.00
480.00	2.90	0.80	0.00
485.00	2.90	0.80	0.00
490.00	2.90	0.80	0.00
495.00	2.90	0.80	0.00
500.00	2.90	0.80	0.00

Summary for Subcatchment 8S: Culvert 4

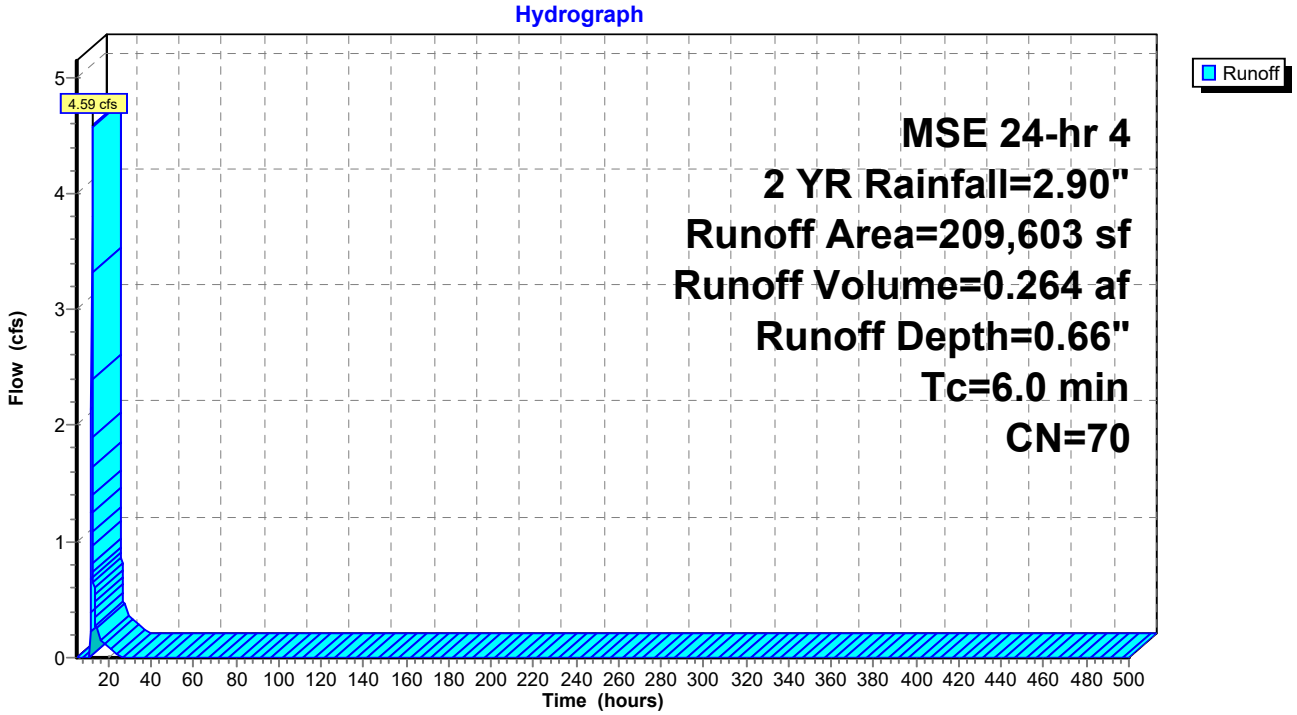
Runoff = 4.59 cfs @ 12.14 hrs, Volume= 0.264 af, Depth= 0.66"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (sf)	CN	Description
*	156,823	61	Post - B Soils
*	52,780	98	Impervious
	209,603	70	Weighted Average
	156,823		74.82% Pervious Area
	52,780		25.18% Impervious Area

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

Subcatchment 8S: Culvert 4



Hydrograph for Subcatchment 8S: Culvert 4

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00	260.00	2.90	0.66	0.00
10.00	0.46	0.00	**0.00**	265.00	2.90	0.66	0.00
15.00	2.55	0.48	**0.24**	270.00	2.90	0.66	0.00
20.00	**2.81**	**0.61**	0.09	275.00	2.90	0.66	0.00
25.00	**2.90**	**0.66**	0.00	280.00	2.90	0.66	0.00
30.00	2.90	0.66	0.00	285.00	2.90	0.66	0.00
35.00	2.90	0.66	0.00	290.00	2.90	0.66	0.00
40.00	2.90	0.66	0.00	295.00	2.90	0.66	0.00
45.00	2.90	0.66	0.00	300.00	2.90	0.66	0.00
50.00	2.90	0.66	0.00	305.00	2.90	0.66	0.00
55.00	2.90	0.66	0.00	310.00	2.90	0.66	0.00
60.00	2.90	0.66	0.00	315.00	2.90	0.66	0.00
65.00	2.90	0.66	0.00	320.00	2.90	0.66	0.00
70.00	2.90	0.66	0.00	325.00	2.90	0.66	0.00
75.00	2.90	0.66	0.00	330.00	2.90	0.66	0.00
80.00	2.90	0.66	0.00	335.00	2.90	0.66	0.00
85.00	2.90	0.66	0.00	340.00	2.90	0.66	0.00
90.00	2.90	0.66	0.00	345.00	2.90	0.66	0.00
95.00	2.90	0.66	0.00	350.00	2.90	0.66	0.00
100.00	2.90	0.66	0.00	355.00	2.90	0.66	0.00
105.00	2.90	0.66	0.00	360.00	2.90	0.66	0.00
110.00	2.90	0.66	0.00	365.00	2.90	0.66	0.00
115.00	2.90	0.66	0.00	370.00	2.90	0.66	0.00
120.00	2.90	0.66	0.00	375.00	2.90	0.66	0.00
125.00	2.90	0.66	0.00	380.00	2.90	0.66	0.00
130.00	2.90	0.66	0.00	385.00	2.90	0.66	0.00
135.00	2.90	0.66	0.00	390.00	2.90	0.66	0.00
140.00	2.90	0.66	0.00	395.00	2.90	0.66	0.00
145.00	2.90	0.66	0.00	400.00	2.90	0.66	0.00
150.00	2.90	0.66	0.00	405.00	2.90	0.66	0.00
155.00	2.90	0.66	0.00	410.00	2.90	0.66	0.00
160.00	2.90	0.66	0.00	415.00	2.90	0.66	0.00
165.00	2.90	0.66	0.00	420.00	2.90	0.66	0.00
170.00	2.90	0.66	0.00	425.00	2.90	0.66	0.00
175.00	2.90	0.66	0.00	430.00	2.90	0.66	0.00
180.00	2.90	0.66	0.00	435.00	2.90	0.66	0.00
185.00	2.90	0.66	0.00	440.00	2.90	0.66	0.00
190.00	2.90	0.66	0.00	445.00	2.90	0.66	0.00
195.00	2.90	0.66	0.00	450.00	2.90	0.66	0.00
200.00	2.90	0.66	0.00	455.00	2.90	0.66	0.00
205.00	2.90	0.66	0.00	460.00	2.90	0.66	0.00
210.00	2.90	0.66	0.00	465.00	2.90	0.66	0.00
215.00	2.90	0.66	0.00	470.00	2.90	0.66	0.00
220.00	2.90	0.66	0.00	475.00	2.90	0.66	0.00
225.00	2.90	0.66	0.00	480.00	2.90	0.66	0.00
230.00	2.90	0.66	0.00	485.00	2.90	0.66	0.00
235.00	2.90	0.66	0.00	490.00	2.90	0.66	0.00
240.00	2.90	0.66	0.00	495.00	2.90	0.66	0.00
245.00	2.90	0.66	0.00	500.00	2.90	0.66	0.00
250.00	2.90	0.66	0.00				
255.00	2.90	0.66	0.00				

Summary for Subcatchment 9S: Culvert 5

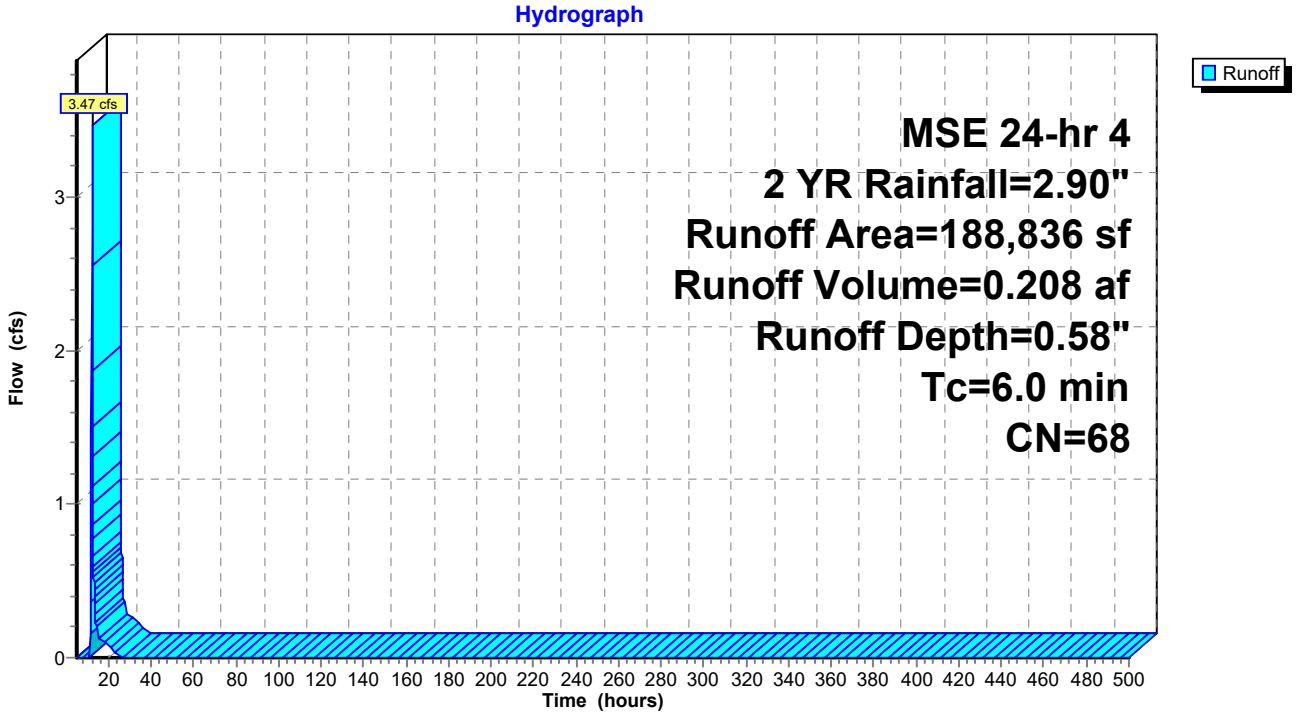
Runoff = 3.47 cfs @ 12.15 hrs, Volume= 0.208 af, Depth= 0.58"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2 YR Rainfall=2.90"

	Area (sf)	CN	Description
*	151,149	61	Post - B Soils
*	37,687	98	Impervious
	188,836	68	Weighted Average
	151,149		80.04% Pervious Area
	37,687		19.96% Impervious Area

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

Subcatchment 9S: Culvert 5



Hydrograph for Subcatchment 9S: Culvert 5

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.13	0.00	0.00
10.00	0.46	0.00	**0.00**
15.00	2.55	0.41	**0.20**
20.00	**2.81**	**0.53**	0.08
25.00	**2.90**	**0.58**	0.00
30.00	2.90	0.58	0.00
35.00	2.90	0.58	0.00
40.00	2.90	0.58	0.00
45.00	2.90	0.58	0.00
50.00	2.90	0.58	0.00
55.00	2.90	0.58	0.00
60.00	2.90	0.58	0.00
65.00	2.90	0.58	0.00
70.00	2.90	0.58	0.00
75.00	2.90	0.58	0.00
80.00	2.90	0.58	0.00
85.00	2.90	0.58	0.00
90.00	2.90	0.58	0.00
95.00	2.90	0.58	0.00
100.00	2.90	0.58	0.00
105.00	2.90	0.58	0.00
110.00	2.90	0.58	0.00
115.00	2.90	0.58	0.00
120.00	2.90	0.58	0.00
125.00	2.90	0.58	0.00
130.00	2.90	0.58	0.00
135.00	2.90	0.58	0.00
140.00	2.90	0.58	0.00
145.00	2.90	0.58	0.00
150.00	2.90	0.58	0.00
155.00	2.90	0.58	0.00
160.00	2.90	0.58	0.00
165.00	2.90	0.58	0.00
170.00	2.90	0.58	0.00
175.00	2.90	0.58	0.00
180.00	2.90	0.58	0.00
185.00	2.90	0.58	0.00
190.00	2.90	0.58	0.00
195.00	2.90	0.58	0.00
200.00	2.90	0.58	0.00
205.00	2.90	0.58	0.00
210.00	2.90	0.58	0.00
215.00	2.90	0.58	0.00
220.00	2.90	0.58	0.00
225.00	2.90	0.58	0.00
230.00	2.90	0.58	0.00
235.00	2.90	0.58	0.00
240.00	2.90	0.58	0.00
245.00	2.90	0.58	0.00
250.00	2.90	0.58	0.00
255.00	2.90	0.58	0.00
260.00	2.90	0.58	0.00
265.00	2.90	0.58	0.00
270.00	2.90	0.58	0.00
275.00	2.90	0.58	0.00
280.00	2.90	0.58	0.00
285.00	2.90	0.58	0.00
290.00	2.90	0.58	0.00
295.00	2.90	0.58	0.00
300.00	2.90	0.58	0.00
305.00	2.90	0.58	0.00
310.00	2.90	0.58	0.00
315.00	2.90	0.58	0.00
320.00	2.90	0.58	0.00
325.00	2.90	0.58	0.00
330.00	2.90	0.58	0.00
335.00	2.90	0.58	0.00
340.00	2.90	0.58	0.00
345.00	2.90	0.58	0.00
350.00	2.90	0.58	0.00
355.00	2.90	0.58	0.00
360.00	2.90	0.58	0.00
365.00	2.90	0.58	0.00
370.00	2.90	0.58	0.00
375.00	2.90	0.58	0.00
380.00	2.90	0.58	0.00
385.00	2.90	0.58	0.00
390.00	2.90	0.58	0.00
395.00	2.90	0.58	0.00
400.00	2.90	0.58	0.00
405.00	2.90	0.58	0.00
410.00	2.90	0.58	0.00
415.00	2.90	0.58	0.00
420.00	2.90	0.58	0.00
425.00	2.90	0.58	0.00
430.00	2.90	0.58	0.00
435.00	2.90	0.58	0.00
440.00	2.90	0.58	0.00
445.00	2.90	0.58	0.00
450.00	2.90	0.58	0.00
455.00	2.90	0.58	0.00
460.00	2.90	0.58	0.00
465.00	2.90	0.58	0.00
470.00	2.90	0.58	0.00
475.00	2.90	0.58	0.00
480.00	2.90	0.58	0.00
485.00	2.90	0.58	0.00
490.00	2.90	0.58	0.00
495.00	2.90	0.58	0.00
500.00	2.90	0.58	0.00

Summary for Pond P1A: Pond 1A

Inflow Area = 6.030 ac, 19.24% Impervious, Inflow Depth = 0.58" for 2 YR event
Inflow = 4.83 cfs @ 12.15 hrs, Volume= 0.289 af
Outflow = 0.45 cfs @ 13.52 hrs, Volume= 0.289 af, Atten= 91%, Lag= 82.3 min
Primary = 0.06 cfs @ 13.52 hrs, Volume= 0.010 af
Routed to Link 3L : Post - South
Secondary = 0.38 cfs @ 13.52 hrs, Volume= 0.279 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,240.45' @ 13.52 hrs Surf.Area= 4,591 sf Storage= 5,132 cf

Plug-Flow detention time= 141.5 min calculated for 0.289 af (100% of inflow)
Center-of-Mass det. time= 141.5 min (1,010.2 - 868.7)

Volume	Invert	Avail.Storage	Storage Description
#1	1,239.00'	30,563 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

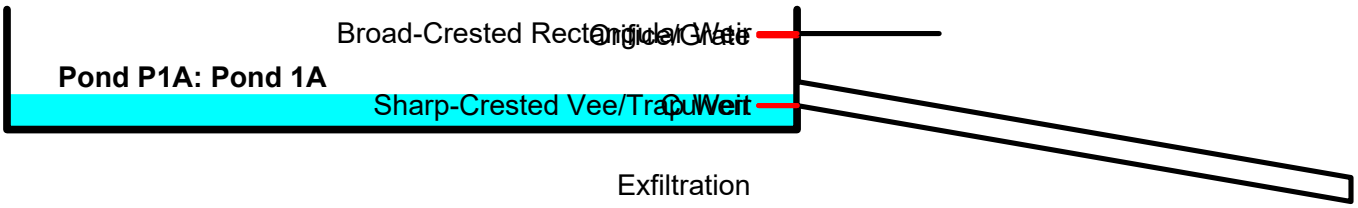
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,239.00	2,496	0	0
1,244.00	9,729	30,563	30,563

Device	Routing	Invert	Outlet Devices
#1	Primary	1,240.00'	**12.0" Round Culvert** L= 39.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,240.00' / 1,236.00' S= 0.1026 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,240.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,242.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,239.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,243.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.06 cfs @ 13.52 hrs HW=1,240.45' (Free Discharge)
└**1=Culvert** (Passes 0.06 cfs of 0.78 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.06 cfs @ 1.80 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

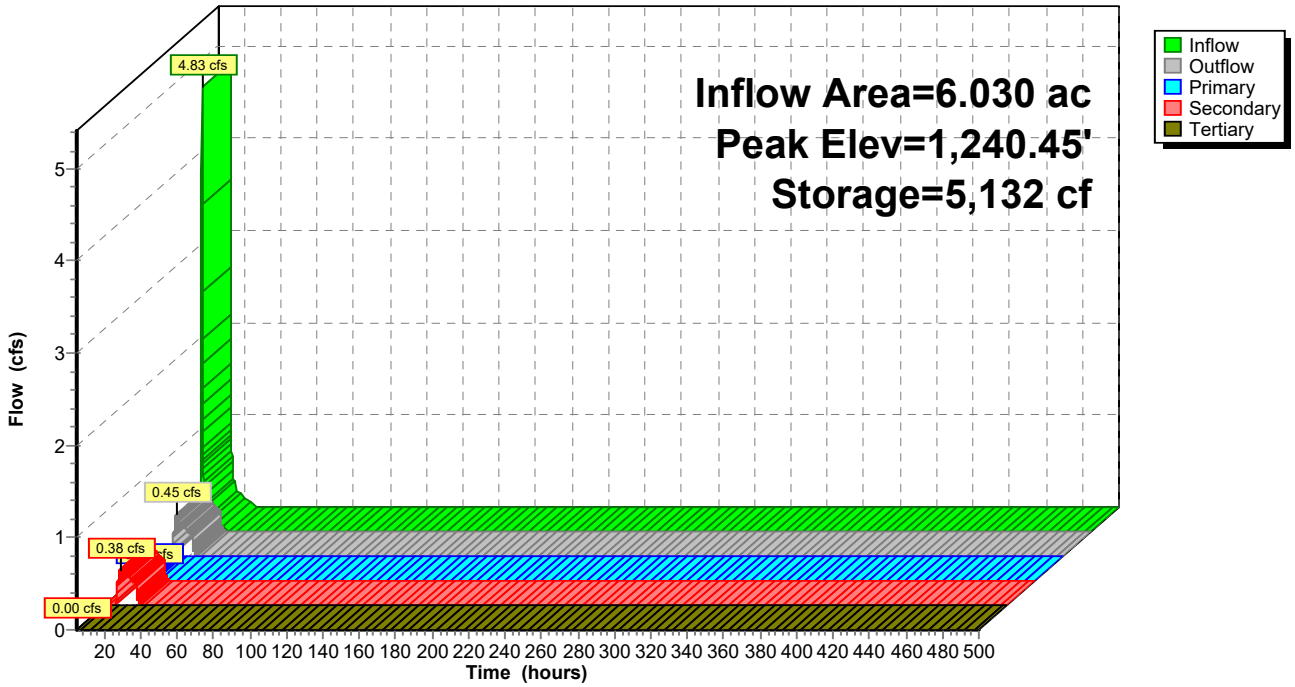
Secondary OutFlow Max=0.38 cfs @ 13.52 hrs HW=1,240.45' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.38 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,239.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

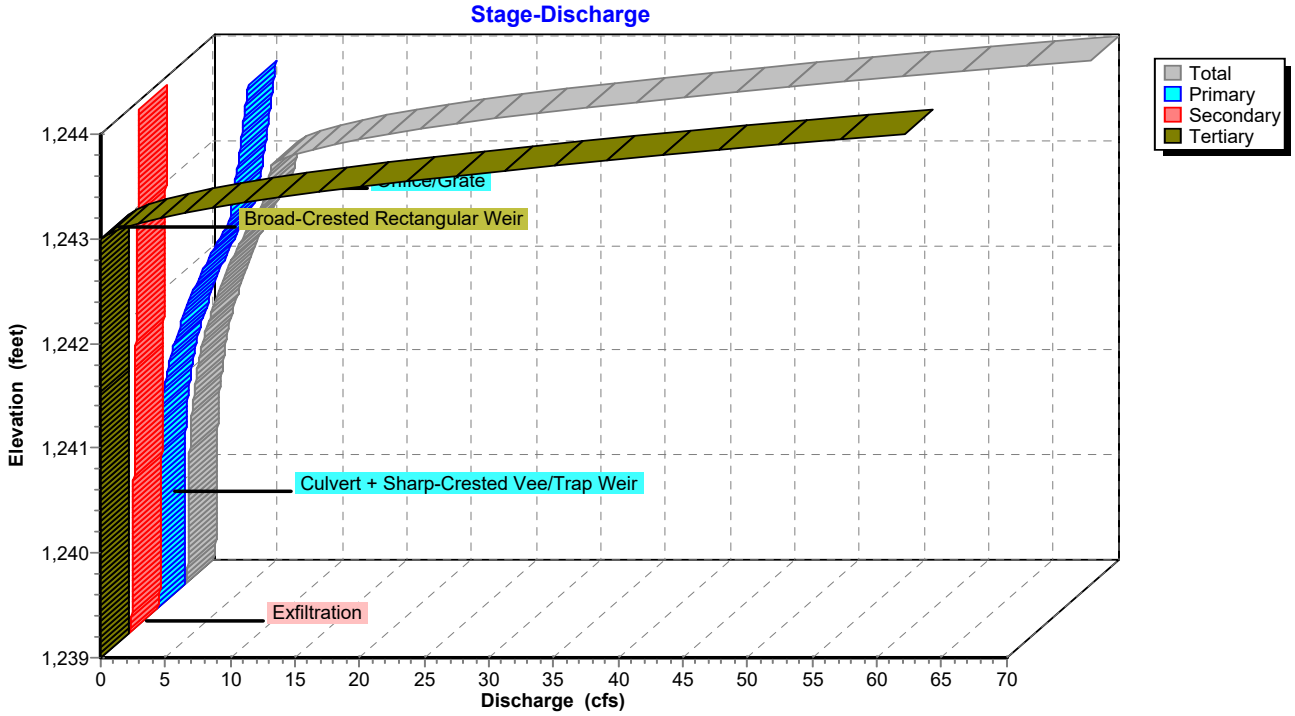


Pond P1A: Pond 1A

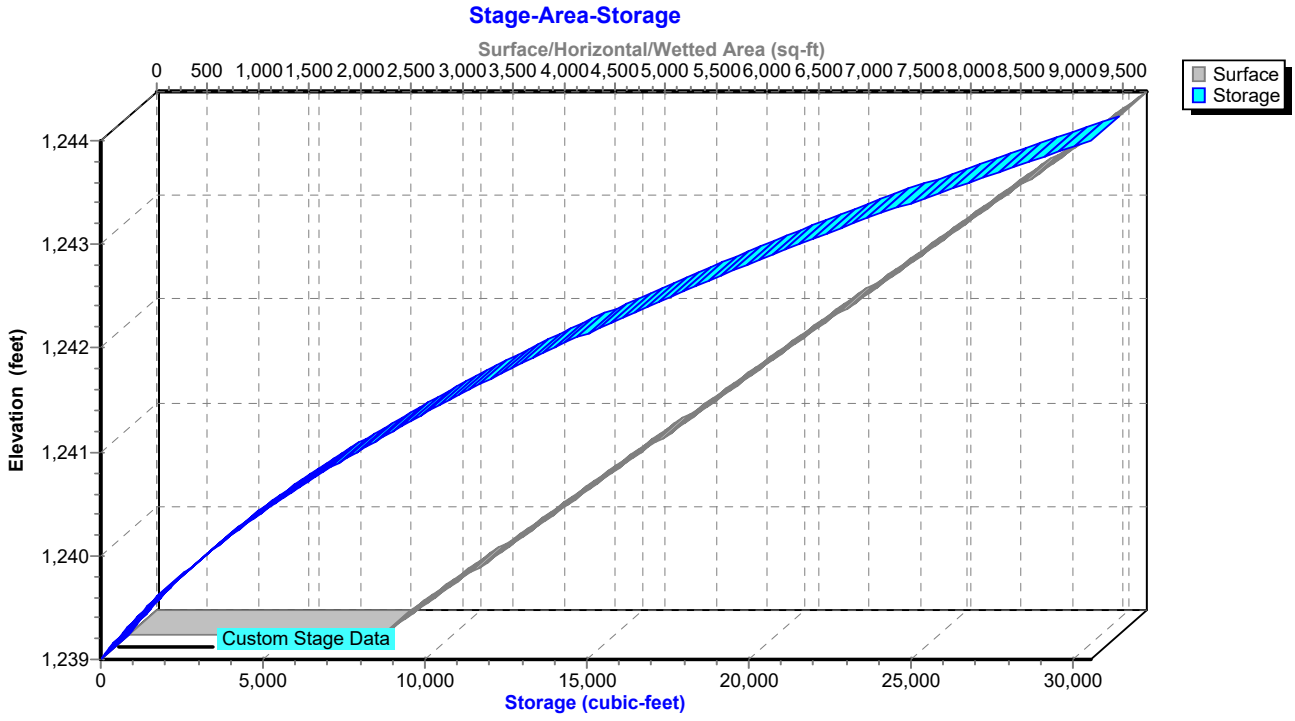
Hydrograph



Pond P1A: Pond 1A



Pond P1A: Pond 1A



Hydrograph for Pond P1A: Pond 1A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,239.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.28**	**4,507**	**1,240.31**	**0.39**	**0.03**	**0.37**	0.00
25.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P1A: Pond 1A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,239.00	0.00	0.00	0.00	0.00
1,239.10	0.22	0.00	0.22	0.00
1,239.20	0.23	0.00	0.23	0.00
1,239.30	0.24	0.00	0.24	0.00
1,239.40	0.26	0.00	0.26	0.00
1,239.50	0.27	0.00	0.27	0.00
1,239.60	0.28	0.00	0.28	0.00
1,239.70	0.29	0.00	0.29	0.00
1,239.80	0.30	0.00	0.30	0.00
1,239.90	0.32	0.00	0.32	0.00
1,240.00	0.33	0.00	0.33	0.00
1,240.10	0.34	0.00	0.34	0.00
1,240.20	0.36	0.01	0.35	0.00
1,240.30	0.39	0.02	0.36	0.00
1,240.40	0.42	0.05	0.38	0.00
1,240.50	0.47	0.08	0.39	0.00
1,240.60	0.53	0.13	0.40	0.00
1,240.70	0.61	0.19	0.41	0.00
1,240.80	0.70	0.27	0.42	0.00
1,240.90	0.80	0.36	0.44	0.00
1,241.00	0.92	0.47	0.45	0.00
1,241.10	1.06	0.60	0.46	0.00
1,241.20	1.22	0.75	0.47	0.00
1,241.30	1.40	0.91	0.49	0.00
1,241.40	1.60	1.10	0.50	0.00
1,241.50	1.82	1.31	0.51	0.00
1,241.60	2.06	1.54	0.52	0.00
1,241.70	2.32	1.79	0.53	0.00
1,241.80	2.61	2.06	0.55	0.00
1,241.90	2.92	2.36	0.56	0.00
1,242.00	3.25	2.68	0.57	0.00
1,242.10	3.61	3.03	0.58	0.00
1,242.20	4.00	3.41	0.59	0.00
1,242.30	4.41	3.81	0.61	0.00
1,242.40	4.85	4.23	0.62	0.00
1,242.50	5.32	4.69	0.63	0.00
1,242.60	5.81	5.17	0.64	0.00
1,242.70	6.26	5.61	0.65	0.00
1,242.80	6.40	5.74	0.67	0.00
1,242.90	6.54	5.86	0.68	0.00
1,243.00	6.67	5.98	0.69	0.00
1,243.10	8.40	6.10	0.70	1.60
1,243.20	11.53	6.21	0.71	4.60
1,243.30	15.75	6.33	0.73	8.70
1,243.40	20.96	6.44	0.74	13.78
1,243.50	27.39	6.55	0.75	20.08
1,243.60	34.93	6.66	0.76	27.51
1,243.70	42.64	6.76	0.77	35.10
1,243.80	51.08	6.87	0.79	43.42
1,243.90	60.22	6.97	0.80	52.45
1,244.00	**70.06**	**7.07**	**0.81**	**62.18**

Stage-Area-Storage for Pond P1A: Pond 1A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,239.00	2,496	0
1,239.05	2,568	127
1,239.10	2,641	257
1,239.15	2,713	391
1,239.20	2,785	528
1,239.25	2,858	669
1,239.30	2,930	814
1,239.35	3,002	962
1,239.40	3,075	1,114
1,239.45	3,147	1,270
1,239.50	3,219	1,429
1,239.55	3,292	1,592
1,239.60	3,364	1,758
1,239.65	3,436	1,928
1,239.70	3,509	2,102
1,239.75	3,581	2,279
1,239.80	3,653	2,460
1,239.85	3,726	2,644
1,239.90	3,798	2,832
1,239.95	3,870	3,024
1,240.00	3,943	3,219
1,240.05	4,015	3,418
1,240.10	4,087	3,621
1,240.15	4,160	3,827
1,240.20	4,232	4,037
1,240.25	4,304	4,250
1,240.30	4,377	4,467
1,240.35	4,449	4,688
1,240.40	4,521	4,912
1,240.45	4,594	5,140
1,240.50	4,666	5,371
1,240.55	4,738	5,607
1,240.60	4,811	5,845
1,240.65	4,883	6,088
1,240.70	4,955	6,334
1,240.75	5,028	6,583
1,240.80	5,100	6,836
1,240.85	5,172	7,093
1,240.90	5,245	7,354
1,240.95	5,317	7,618
1,241.00	5,389	7,885
1,241.05	5,462	8,156
1,241.10	5,534	8,431
1,241.15	5,606	8,710
1,241.20	5,679	8,992
1,241.25	5,751	9,278
1,241.30	5,823	9,567
1,241.35	5,896	9,860
1,241.40	5,968	10,157
1,241.45	6,040	10,457
1,241.50	6,113	10,761
1,241.55	6,185	11,068
1,241.60	6,257	11,379
1,241.65	6,329	11,694
1,241.70	6,402	12,012
1,241.75	6,474	12,334
1,241.80	6,546	12,659
1,241.85	6,619	12,989
1,241.90	6,691	13,321
1,241.95	6,763	13,658
1,242.00	6,836	13,998
1,242.05	6,908	14,341
1,242.10	6,980	14,689
1,242.15	7,053	15,039
1,242.20	7,125	15,394
1,242.25	7,197	15,752
1,242.30	7,270	16,114
1,242.35	7,342	16,479
1,242.40	7,414	16,848
1,242.45	7,487	17,220
1,242.50	7,559	17,596
1,242.55	7,631	17,976
1,242.60	7,704	18,360
1,242.65	7,776	18,747
1,242.70	7,848	19,137
1,242.75	7,921	19,531
1,242.80	7,993	19,929
1,242.85	8,065	20,331
1,242.90	8,138	20,736
1,242.95	8,210	21,144
1,243.00	8,282	21,557
1,243.05	8,355	21,973
1,243.10	8,427	22,392
1,243.15	8,499	22,815
1,243.20	8,572	23,242
1,243.25	8,644	23,673
1,243.30	8,716	24,107
1,243.35	8,789	24,544
1,243.40	8,861	24,985
1,243.45	8,933	25,430
1,243.50	9,006	25,879
1,243.55	9,078	26,331
1,243.60	9,150	26,787
1,243.65	9,223	27,246
1,243.70	9,295	27,709
1,243.75	9,367	28,175
1,243.80	9,440	28,646
1,243.85	9,512	29,119
1,243.90	9,584	29,597
1,243.95	9,657	30,078
1,244.00	**9,729**	**30,563**

Summary for Pond P3A: Pond 3A

Inflow Area = 10.600 ac, 18.58% Impervious, Inflow Depth = 0.66" for 2 YR event
Inflow = 10.12 cfs @ 12.14 hrs, Volume= 0.582 af
Outflow = 0.97 cfs @ 13.42 hrs, Volume= 0.582 af, Atten= 90%, Lag= 76.5 min
Primary = 0.38 cfs @ 13.42 hrs, Volume= 0.083 af
Routed to Link 4L : Post - North
Secondary = 0.59 cfs @ 13.42 hrs, Volume= 0.500 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,193.92' @ 13.42 hrs Surf.Area= 7,027 sf Storage= 10,734 cf

Plug-Flow detention time= 169.1 min calculated for 0.582 af (100% of inflow)
Center-of-Mass det. time= 169.1 min (1,030.6 - 861.5)

Volume	Invert	Avail.Storage	Storage Description
#1	1,192.00'	51,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

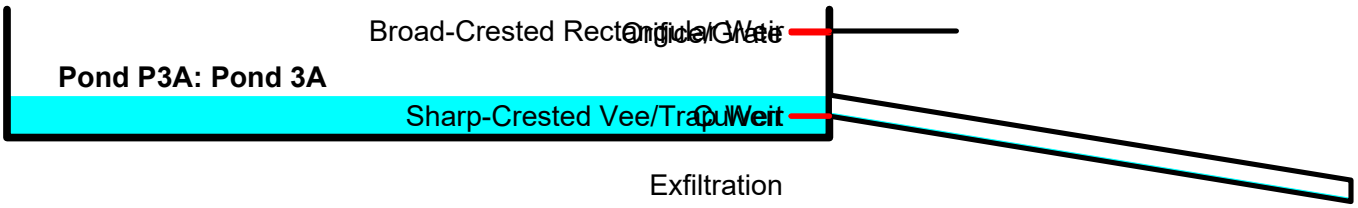
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,192.00	4,165	0	0
1,198.00	13,117	51,846	51,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,193.00'	**12.0" Round Culvert** L= 41.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,193.00' / 1,189.00' S= 0.0976 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,193.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,196.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,192.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,197.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

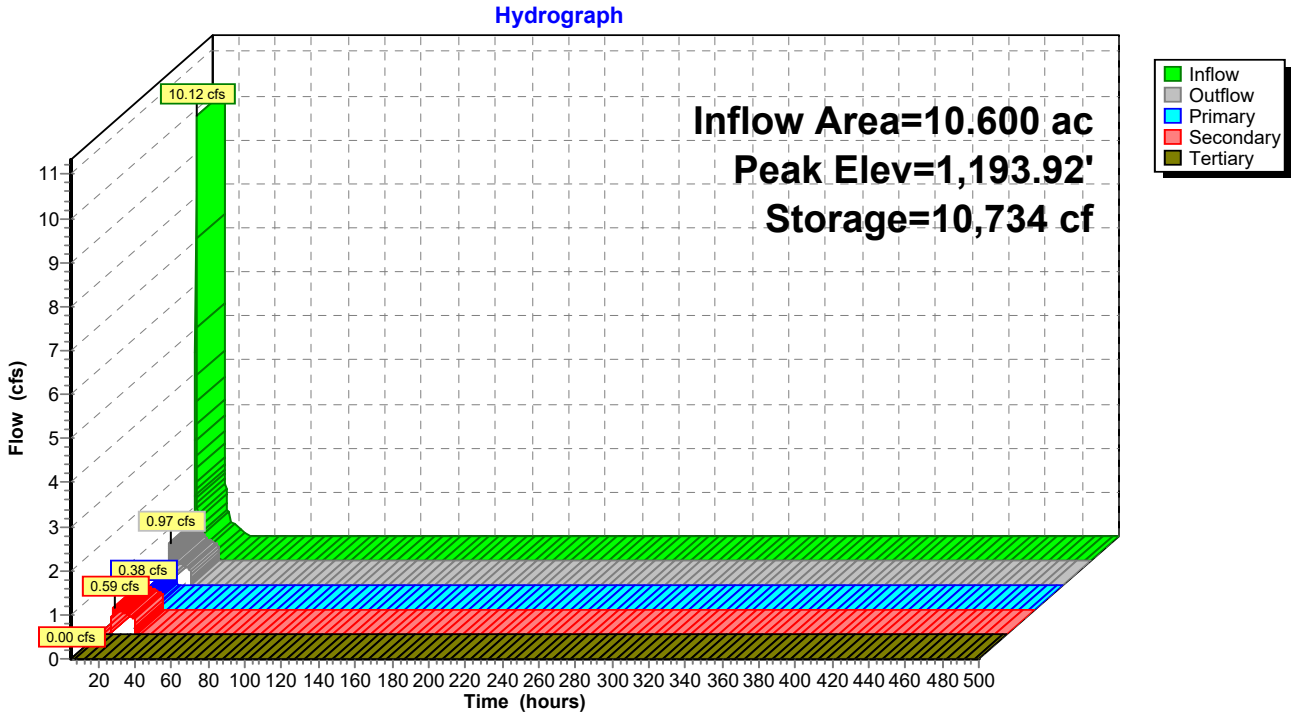
Primary OutFlow Max=0.38 cfs @ 13.42 hrs HW=1,193.92' (Free Discharge)
└**1=Culvert** (Passes 0.38 cfs of 2.46 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.38 cfs @ 2.58 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.59 cfs @ 13.42 hrs HW=1,193.92' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.59 cfs)

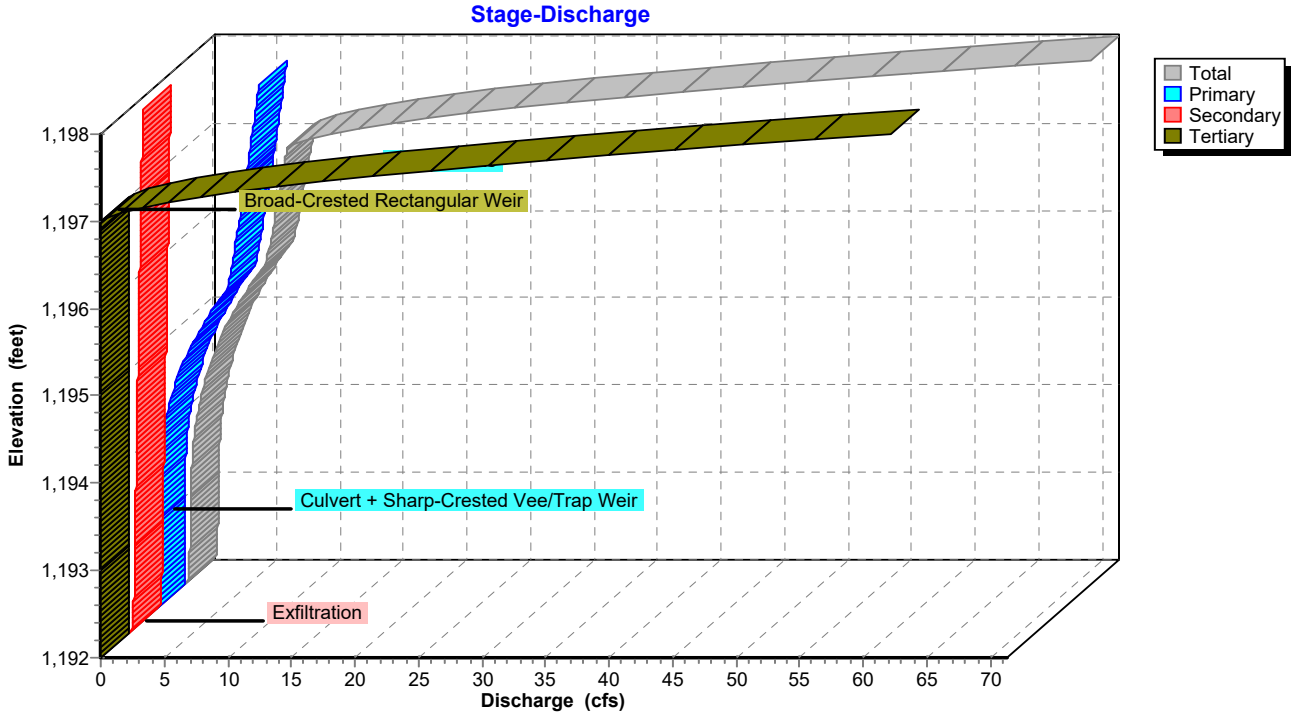
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,192.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



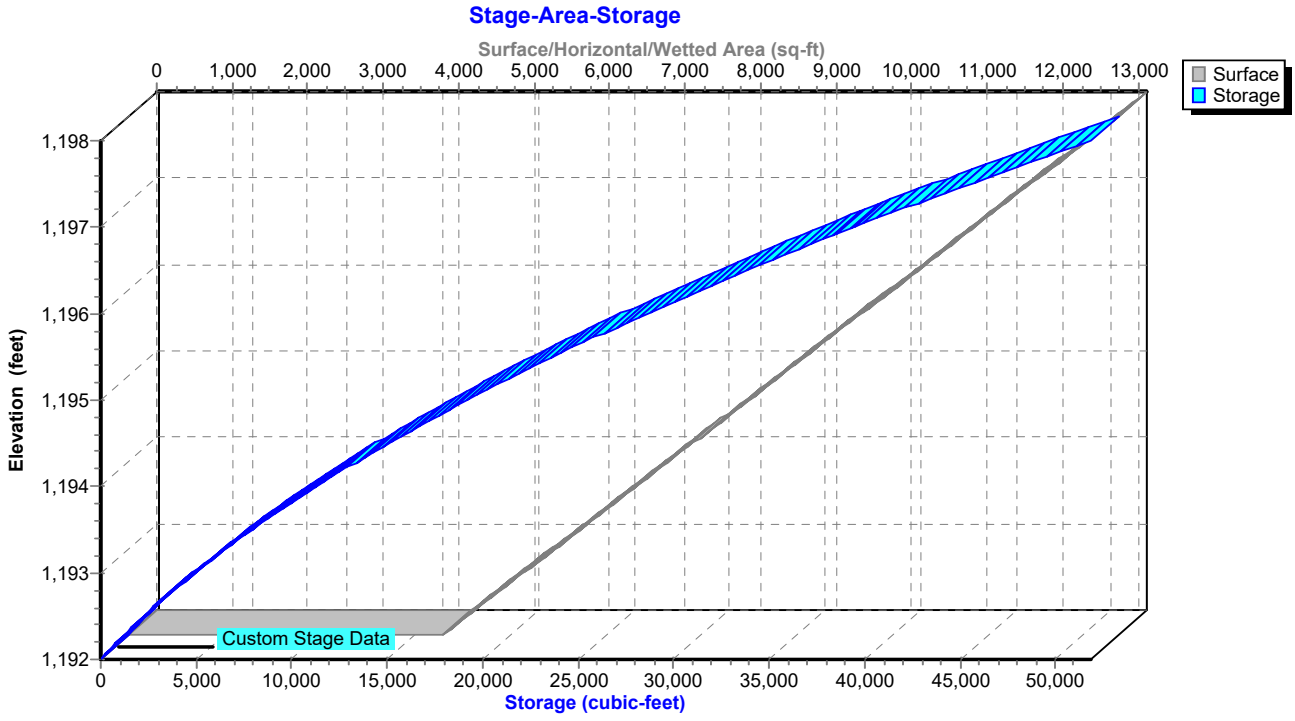
Pond P3A: Pond 3A



Pond P3A: Pond 3A



Pond P3A: Pond 3A



Hydrograph for Pond P3A: Pond 3A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,192.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.53**	**9,268**	**1,193.70**	**0.76**	**0.20**	**0.56**	0.00
25.00	0.00	4	1,192.00	0.01	0.00	0.01	0.00
35.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3A: Pond 3A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,192.00	0.00	0.00	0.00	0.00
1,192.20	0.37	0.00	0.37	0.00
1,192.40	0.40	0.00	0.40	0.00
1,192.60	0.42	0.00	0.42	0.00
1,192.80	0.45	0.00	0.45	0.00
1,193.00	0.47	0.00	0.47	0.00
1,193.20	0.50	0.01	0.50	0.00
1,193.40	0.57	0.05	0.52	0.00
1,193.60	0.68	0.13	0.55	0.00
1,193.80	0.84	0.27	0.57	0.00
1,194.00	1.07	0.47	0.60	0.00
1,194.20	1.37	0.75	0.62	0.00
1,194.40	1.75	1.10	0.65	0.00
1,194.60	2.21	1.54	0.67	0.00
1,194.80	2.76	2.06	0.70	0.00
1,195.00	3.40	2.68	0.72	0.00
1,195.20	4.15	3.41	0.74	0.00
1,195.40	5.00	4.23	0.77	0.00
1,195.60	5.96	5.17	0.79	0.00
1,195.80	6.55	5.74	0.82	0.00
1,196.00	6.82	5.98	0.84	0.00
1,196.20	7.08	6.21	0.87	0.00
1,196.40	7.33	6.44	0.89	0.00
1,196.60	7.58	6.66	0.92	0.00
1,196.80	7.81	6.87	0.94	0.00
1,197.00	8.04	7.07	0.97	0.00
1,197.20	12.86	7.27	0.99	4.60
1,197.40	22.27	7.47	1.02	13.78
1,197.60	36.21	7.66	1.04	27.51
1,197.80	52.33	7.84	1.07	43.42
1,198.00	**71.29**	**8.02**	**1.09**	**62.18**

Stage-Area-Storage for Pond P3A: Pond 3A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,192.00	4,165	0
1,192.10	4,314	424
1,192.20	4,463	863
1,192.30	4,613	1,317
1,192.40	4,762	1,785
1,192.50	4,911	2,269
1,192.60	5,060	2,768
1,192.70	5,209	3,281
1,192.80	5,359	3,809
1,192.90	5,508	4,353
1,193.00	5,657	4,911
1,193.10	5,806	5,484
1,193.20	5,955	6,072
1,193.30	6,105	6,675
1,193.40	6,254	7,293
1,193.50	6,403	7,926
1,193.60	6,552	8,574
1,193.70	6,701	9,236
1,193.80	6,851	9,914
1,193.90	7,000	10,607
1,194.00	7,149	11,314
1,194.10	7,298	12,036
1,194.20	7,447	12,774
1,194.30	7,597	13,526
1,194.40	7,746	14,293
1,194.50	7,895	15,075
1,194.60	8,044	15,872
1,194.70	8,193	16,684
1,194.80	8,343	17,511
1,194.90	8,492	18,352
1,195.00	8,641	19,209
1,195.10	8,790	20,081
1,195.20	8,939	20,967
1,195.30	9,089	21,868
1,195.40	9,238	22,785
1,195.50	9,387	23,716
1,195.60	9,536	24,662
1,195.70	9,685	25,623
1,195.80	9,835	26,599
1,195.90	9,984	27,590
1,196.00	10,133	28,596
1,196.10	10,282	29,617
1,196.20	10,431	30,652
1,196.30	10,581	31,703
1,196.40	10,730	32,769
1,196.50	10,879	33,849
1,196.60	11,028	34,944
1,196.70	11,177	36,055
1,196.80	11,327	37,180
1,196.90	11,476	38,320
1,197.00	11,625	39,475
1,197.10	11,774	40,645
1,197.20	11,923	41,830
1,197.30	12,073	43,030
1,197.40	12,222	44,244
1,197.50	12,371	45,474
1,197.60	12,520	46,719
1,197.70	12,669	47,978
1,197.80	12,819	49,252
1,197.90	12,968	50,542
1,198.00	**13,117**	**51,846**

Summary for Pond P3B: Pond 3B

Inflow Area = 8.450 ac, 19.88% Impervious, Inflow Depth = 0.70" for 2 YR event
Inflow = 8.74 cfs @ 12.14 hrs, Volume= 0.495 af
Outflow = 0.96 cfs @ 13.21 hrs, Volume= 0.495 af, Atten= 89%, Lag= 64.1 min
Primary = 0.46 cfs @ 13.21 hrs, Volume= 0.095 af
Routed to Link 4L : Post - North
Secondary = 0.50 cfs @ 13.21 hrs, Volume= 0.400 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,196.99' @ 13.21 hrs Surf.Area= 5,980 sf Storage= 8,739 cf

Plug-Flow detention time= 153.6 min calculated for 0.495 af (100% of inflow)
Center-of-Mass det. time= 153.6 min (1,011.7 - 858.1)

Volume	Invert	Avail.Storage	Storage Description
#1	1,195.00'	33,965 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

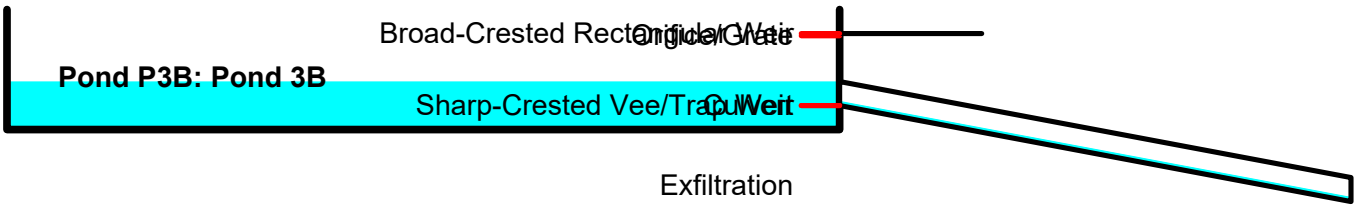
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,195.00	2,799	0	0
1,200.00	10,787	33,965	33,965

Device	Routing	Invert	Outlet Devices
#1	Primary	1,196.00'	**12.0" Round Culvert** L= 36.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,196.00' / 1,192.00' S= 0.1111 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,196.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,198.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,195.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,199.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.46 cfs @ 13.21 hrs HW=1,196.99' (Free Discharge)
└**1=Culvert** (Passes 0.46 cfs of 2.66 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.46 cfs @ 2.68 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

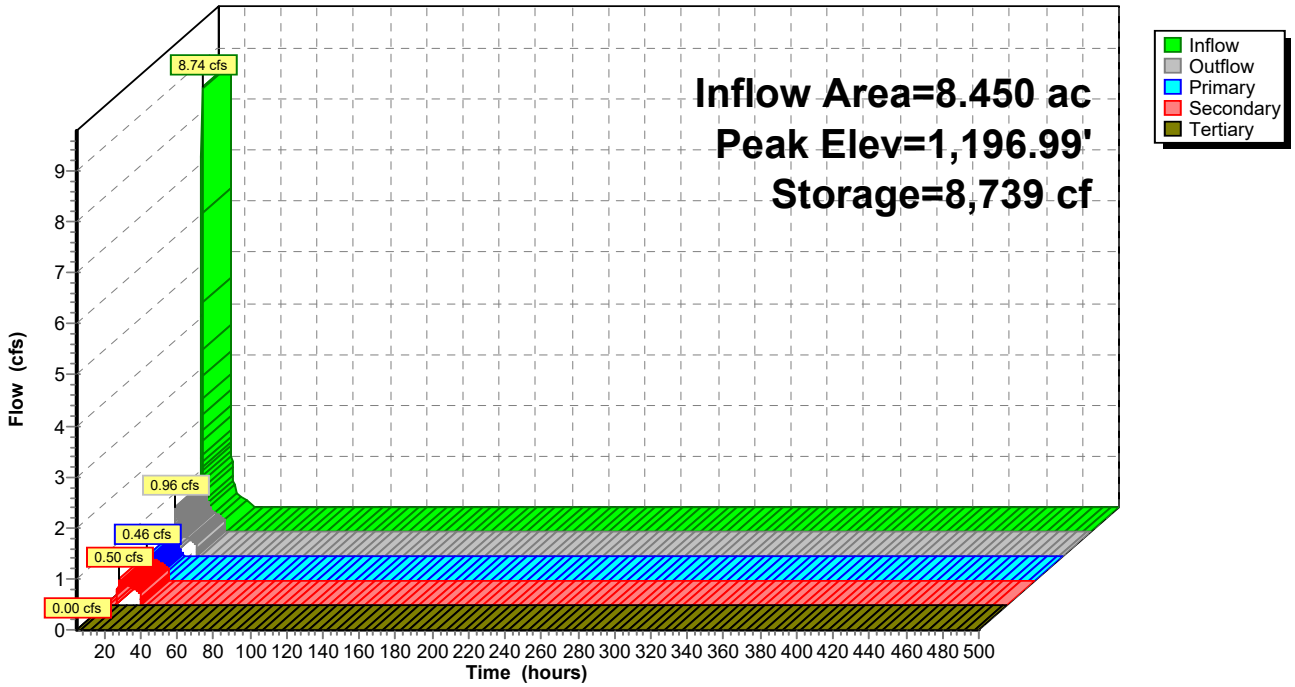
Secondary OutFlow Max=0.50 cfs @ 13.21 hrs HW=1,196.99' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.50 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,195.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

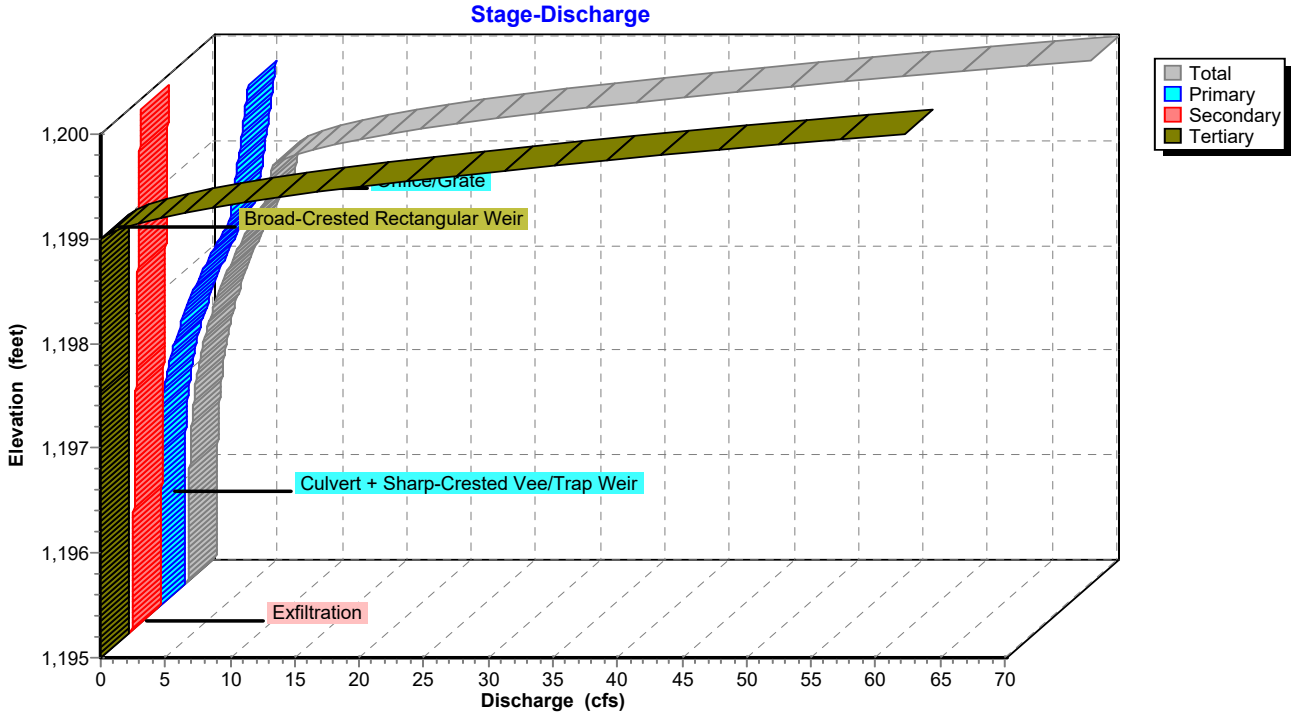


Pond P3B: Pond 3B

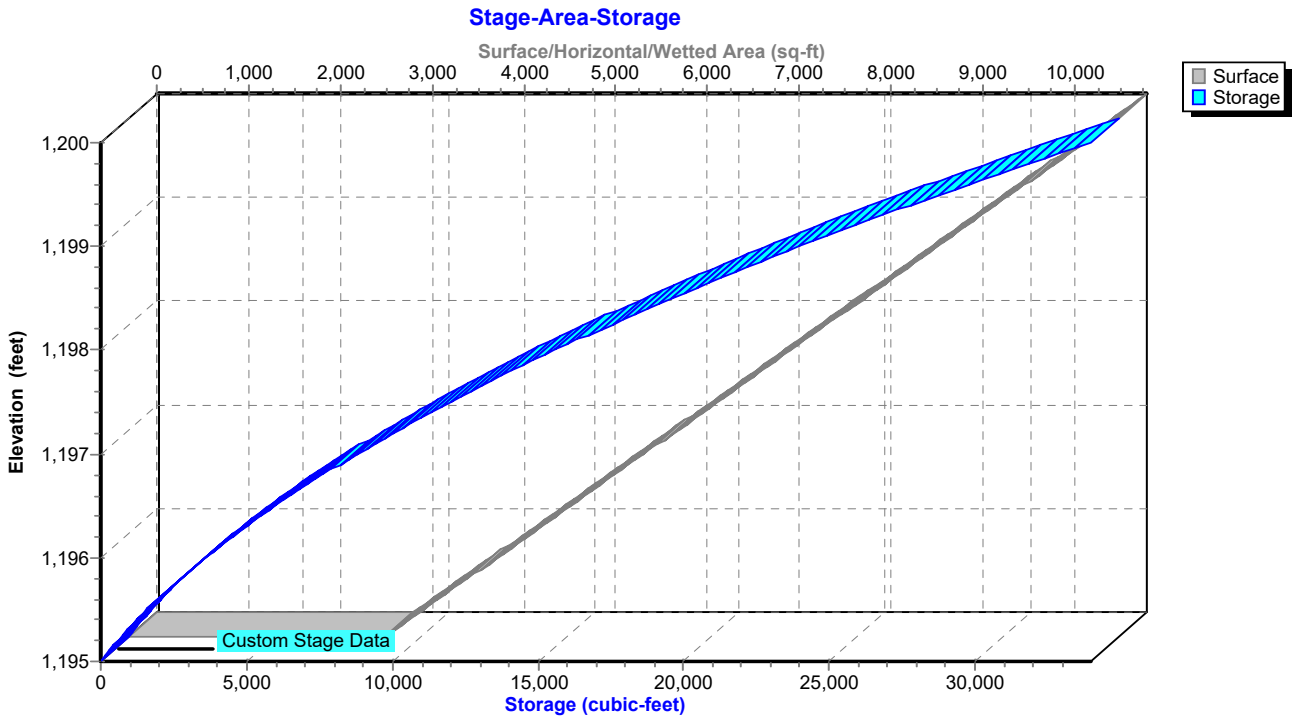
Hydrograph



Pond P3B: Pond 3B



Pond P3B: Pond 3B



Hydrograph for Pond P3B: Pond 3B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,195.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.44**	**7,069**	**1,196.70**	**0.65**	**0.19**	**0.46**	0.00
25.00	0.00	3	1,195.00	0.01	0.00	0.01	0.00
35.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3B: Pond 3B

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,195.00	0.00	0.00	0.00	0.00
1,195.10	0.25	0.00	0.25	0.00
1,195.20	0.26	0.00	0.26	0.00
1,195.30	0.27	0.00	0.27	0.00
1,195.40	0.29	0.00	0.29	0.00
1,195.50	0.30	0.00	0.30	0.00
1,195.60	0.31	0.00	0.31	0.00
1,195.70	0.33	0.00	0.33	0.00
1,195.80	0.34	0.00	0.34	0.00
1,195.90	0.35	0.00	0.35	0.00
1,196.00	0.37	0.00	0.37	0.00
1,196.10	0.38	0.00	0.38	0.00
1,196.20	0.40	0.01	0.39	0.00
1,196.30	0.43	0.02	0.41	0.00
1,196.40	0.47	0.05	0.42	0.00
1,196.50	0.52	0.08	0.43	0.00
1,196.60	0.58	0.13	0.45	0.00
1,196.70	0.65	0.19	0.46	0.00
1,196.80	0.74	0.27	0.47	0.00
1,196.90	0.85	0.36	0.49	0.00
1,197.00	0.97	0.47	0.50	0.00
1,197.10	1.11	0.60	0.51	0.00
1,197.20	1.27	0.75	0.53	0.00
1,197.30	1.45	0.91	0.54	0.00
1,197.40	1.65	1.10	0.55	0.00
1,197.50	1.87	1.31	0.57	0.00
1,197.60	2.12	1.54	0.58	0.00
1,197.70	2.38	1.79	0.59	0.00
1,197.80	2.67	2.06	0.61	0.00
1,197.90	2.98	2.36	0.62	0.00
1,198.00	3.32	2.68	0.63	0.00
1,198.10	3.68	3.03	0.65	0.00
1,198.20	4.06	3.41	0.66	0.00
1,198.30	4.48	3.81	0.67	0.00
1,198.40	4.92	4.23	0.69	0.00
1,198.50	5.39	4.69	0.70	0.00
1,198.60	5.88	5.17	0.71	0.00
1,198.70	6.33	5.61	0.73	0.00
1,198.80	6.47	5.74	0.74	0.00
1,198.90	6.61	5.86	0.75	0.00
1,199.00	6.75	5.98	0.77	0.00
1,199.10	8.48	6.10	0.78	1.60
1,199.20	11.60	6.21	0.79	4.60
1,199.30	15.83	6.33	0.81	8.70
1,199.40	21.04	6.44	0.82	13.78
1,199.50	27.47	6.55	0.83	20.08
1,199.60	35.01	6.66	0.85	27.51
1,199.70	42.73	6.76	0.86	35.10
1,199.80	51.17	6.87	0.87	43.42
1,199.90	60.31	6.97	0.89	52.45
1,200.00	**70.15**	**7.07**	**0.90**	**62.18**

Stage-Area-Storage for Pond P3B: Pond 3B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,195.00	2,799	0
1,195.05	2,879	142
1,195.10	2,959	288
1,195.15	3,039	438
1,195.20	3,119	592
1,195.25	3,198	750
1,195.30	3,278	912
1,195.35	3,358	1,078
1,195.40	3,438	1,247
1,195.45	3,518	1,421
1,195.50	3,598	1,599
1,195.55	3,678	1,781
1,195.60	3,758	1,967
1,195.65	3,837	2,157
1,195.70	3,917	2,351
1,195.75	3,997	2,549
1,195.80	4,077	2,750
1,195.85	4,157	2,956
1,195.90	4,237	3,166
1,195.95	4,317	3,380
1,196.00	4,397	3,598
1,196.05	4,476	3,820
1,196.10	4,556	4,045
1,196.15	4,636	4,275
1,196.20	4,716	4,509
1,196.25	4,796	4,747
1,196.30	4,876	4,989
1,196.35	4,956	5,234
1,196.40	5,036	5,484
1,196.45	5,116	5,738
1,196.50	5,195	5,996
1,196.55	5,275	6,258
1,196.60	5,355	6,523
1,196.65	5,435	6,793
1,196.70	5,515	7,067
1,196.75	5,595	7,345
1,196.80	5,675	7,626
1,196.85	5,755	7,912
1,196.90	5,834	8,202
1,196.95	5,914	8,495
1,197.00	5,994	8,793
1,197.05	6,074	9,095
1,197.10	6,154	9,401
1,197.15	6,234	9,710
1,197.20	6,314	10,024
1,197.25	6,394	10,342
1,197.30	6,473	10,663
1,197.35	6,553	10,989
1,197.40	6,633	11,319
1,197.45	6,713	11,652
1,197.50	6,793	11,990
1,197.55	6,873	12,332
1,197.60	6,953	12,677
1,197.65	7,033	13,027
1,197.70	7,113	13,381
1,197.75	7,192	13,738
1,197.80	7,272	14,100
1,197.85	7,352	14,465
1,197.90	7,432	14,835
1,197.95	7,512	15,209
1,198.00	7,592	15,586
1,198.05	7,672	15,968
1,198.10	7,752	16,353
1,198.15	7,831	16,743
1,198.20	7,911	17,137
1,198.25	7,991	17,534
1,198.30	8,071	17,936
1,198.35	8,151	18,341
1,198.40	8,231	18,751
1,198.45	8,311	19,164
1,198.50	8,391	19,582
1,198.55	8,470	20,003
1,198.60	8,550	20,429
1,198.65	8,630	20,858
1,198.70	8,710	21,292
1,198.75	8,790	21,729
1,198.80	8,870	22,171
1,198.85	8,950	22,616
1,198.90	9,030	23,066
1,198.95	9,110	23,519
1,199.00	9,189	23,977
1,199.05	9,269	24,438
1,199.10	9,349	24,904
1,199.15	9,429	25,373
1,199.20	9,509	25,847
1,199.25	9,589	26,324
1,199.30	9,669	26,806
1,199.35	9,749	27,291
1,199.40	9,828	27,780
1,199.45	9,908	28,274
1,199.50	9,988	28,771
1,199.55	10,068	29,273
1,199.60	10,148	29,778
1,199.65	10,228	30,287
1,199.70	10,308	30,801
1,199.75	10,388	31,318
1,199.80	10,467	31,840
1,199.85	10,547	32,365
1,199.90	10,627	32,894
1,199.95	10,707	33,428
1,200.00	**10,787**	**33,965**

Summary for Pond P3C: Pond 3C

Inflow Area = 2.490 ac, 22.89% Impervious, Inflow Depth = 0.90" for 2 YR event
Inflow = 3.42 cfs @ 12.14 hrs, Volume= 0.186 af
Outflow = 0.31 cfs @ 13.33 hrs, Volume= 0.186 af, Atten= 91%, Lag= 71.2 min
Primary = 0.04 cfs @ 13.33 hrs, Volume= 0.006 af
Routed to Link 4L : Post - North
Secondary = 0.26 cfs @ 13.33 hrs, Volume= 0.180 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,179.39' @ 13.33 hrs Surf.Area= 3,157 sf Storage= 3,509 cf

Plug-Flow detention time= 133.0 min calculated for 0.186 af (100% of inflow)
Center-of-Mass det. time= 133.0 min (978.5 - 845.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1,178.00'	14,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

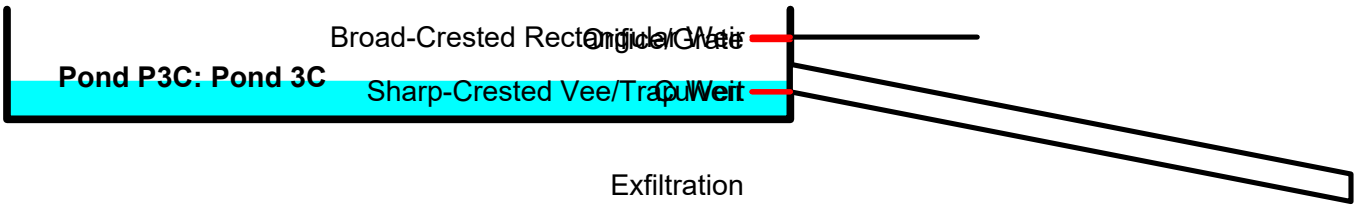
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,178.00	1,905	0	0
1,182.00	5,518	14,846	14,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,179.00'	**12.0" Round Culvert** L= 30.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,179.00' / 1,175.00' S= 0.1333 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,179.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,180.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,178.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,181.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.04 cfs @ 13.33 hrs HW=1,179.39' (Free Discharge)
└**1=Culvert** (Passes 0.04 cfs of 0.59 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.04 cfs @ 1.67 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

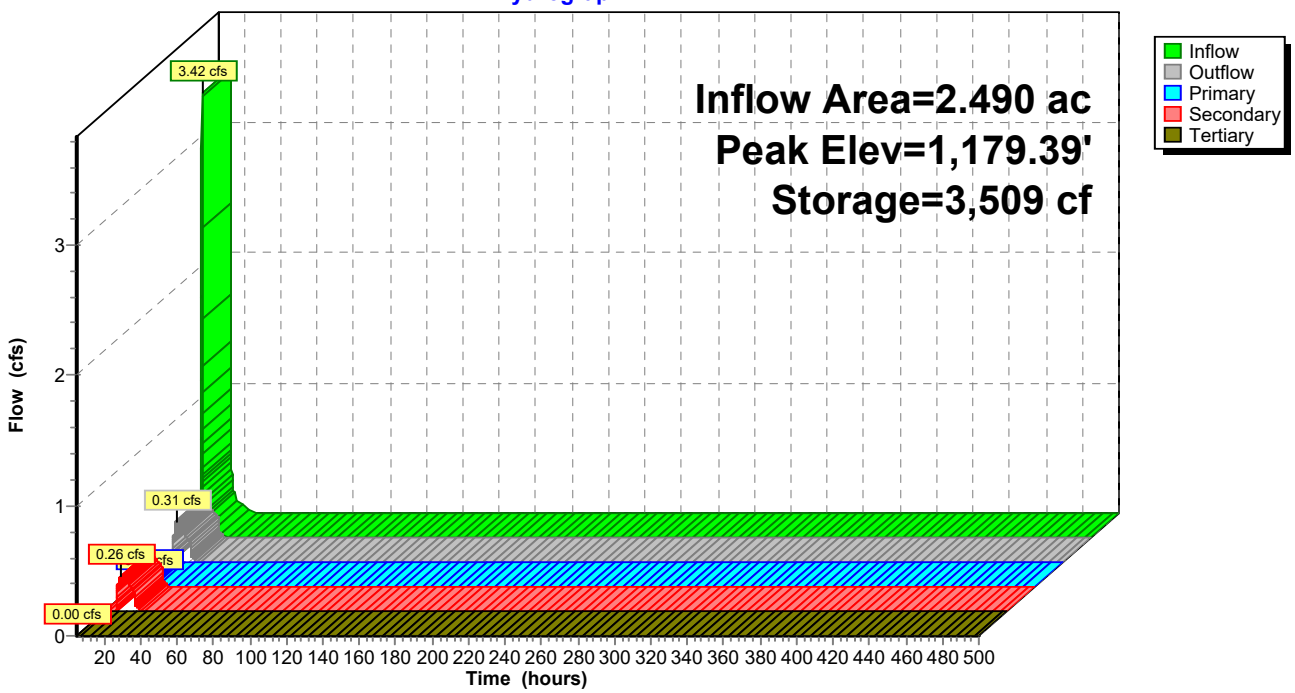
Secondary OutFlow Max=0.26 cfs @ 13.33 hrs HW=1,179.39' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.26 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,178.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

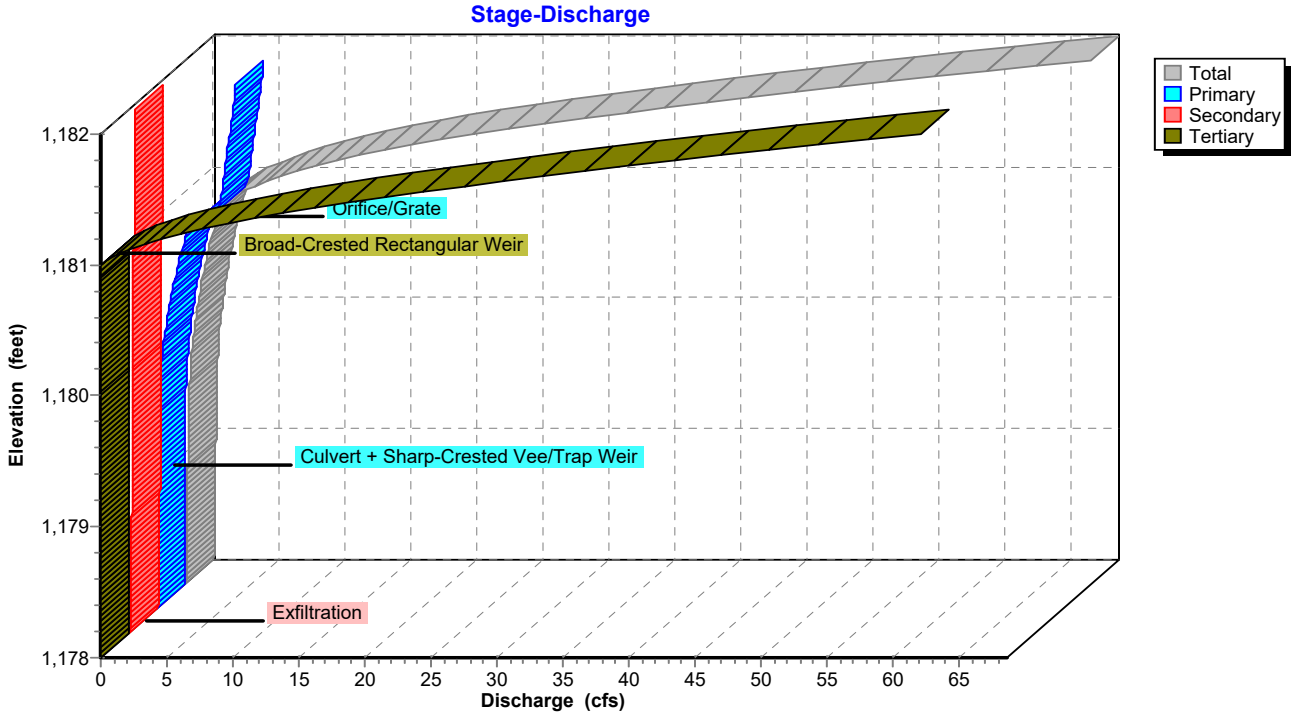


Pond P3C: Pond 3C

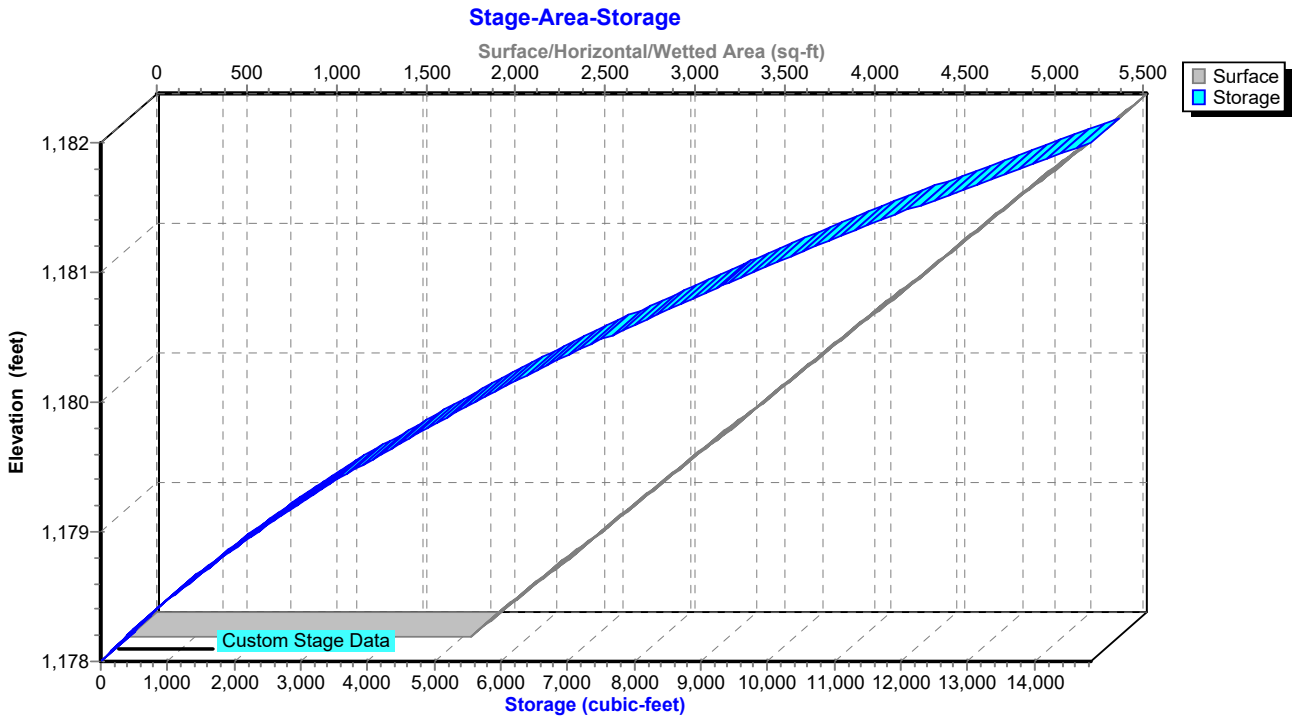
Hydrograph



Pond P3C: Pond 3C



Pond P3C: Pond 3C



Hydrograph for Pond P3C: Pond 3C

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,178.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.15**	**2,904**	**1,179.19**	**0.26**	**0.01**	**0.25**	0.00
25.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3C: Pond 3C

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,178.00	0.00	0.00	0.00	0.00
1,178.10	0.17	0.00	0.17	0.00
1,178.20	0.17	0.00	0.17	0.00
1,178.30	0.18	0.00	0.18	0.00
1,178.40	0.19	0.00	0.19	0.00
1,178.50	0.20	0.00	0.20	0.00
1,178.60	0.20	0.00	0.20	0.00
1,178.70	0.21	0.00	0.21	0.00
1,178.80	0.22	0.00	0.22	0.00
1,178.90	0.23	0.00	0.23	0.00
1,179.00	0.23	0.00	0.23	0.00
1,179.10	0.24	0.00	0.24	0.00
1,179.20	0.26	0.01	0.25	0.00
1,179.30	0.28	0.02	0.26	0.00
1,179.40	0.31	0.05	0.26	0.00
1,179.50	0.36	0.08	0.27	0.00
1,179.60	0.41	0.13	0.28	0.00
1,179.70	0.48	0.19	0.29	0.00
1,179.80	0.57	0.27	0.29	0.00
1,179.90	0.67	0.36	0.30	0.00
1,180.00	0.78	0.47	0.31	0.00
1,180.10	0.92	0.60	0.32	0.00
1,180.20	1.07	0.75	0.32	0.00
1,180.30	1.25	0.91	0.33	0.00
1,180.40	1.44	1.10	0.34	0.00
1,180.50	1.65	1.31	0.35	0.00
1,180.60	1.89	1.54	0.35	0.00
1,180.70	2.15	1.79	0.36	0.00
1,180.80	2.43	2.06	0.37	0.00
1,180.90	2.74	2.36	0.38	0.00
1,181.00	4.10	3.72	0.38	0.00
1,181.10	6.78	4.78	0.39	1.60
1,181.20	9.93	4.93	0.40	4.60
1,181.30	14.18	5.07	0.41	8.70
1,181.40	19.41	5.21	0.41	13.78
1,181.50	25.85	5.35	0.42	20.08
1,181.60	33.42	5.48	0.43	27.51
1,181.70	41.15	5.61	0.44	35.10
1,181.80	49.60	5.74	0.44	43.42
1,181.90	58.76	5.86	0.45	52.45
1,182.00	**68.62**	**5.98**	**0.46**	**62.18**

Stage-Area-Storage for Pond P3C: Pond 3C

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,178.00	1,905	0
1,178.05	1,950	96
1,178.10	1,995	195
1,178.15	2,040	296
1,178.20	2,086	399
1,178.25	2,131	504
1,178.30	2,176	612
1,178.35	2,221	722
1,178.40	2,266	834
1,178.45	2,311	949
1,178.50	2,357	1,065
1,178.55	2,402	1,184
1,178.60	2,447	1,306
1,178.65	2,492	1,429
1,178.70	2,537	1,555
1,178.75	2,582	1,683
1,178.80	2,628	1,813
1,178.85	2,673	1,946
1,178.90	2,718	2,080
1,178.95	2,763	2,217
1,179.00	2,808	2,357
1,179.05	2,853	2,498
1,179.10	2,899	2,642
1,179.15	2,944	2,788
1,179.20	2,989	2,936
1,179.25	3,034	3,087
1,179.30	3,079	3,240
1,179.35	3,124	3,395
1,179.40	3,170	3,552
1,179.45	3,215	3,712
1,179.50	3,260	3,874
1,179.55	3,305	4,038
1,179.60	3,350	4,204
1,179.65	3,395	4,373
1,179.70	3,441	4,544
1,179.75	3,486	4,717
1,179.80	3,531	4,892
1,179.85	3,576	5,070
1,179.90	3,621	5,250
1,179.95	3,666	5,432
1,180.00	3,712	5,617
1,180.05	3,757	5,803
1,180.10	3,802	5,992
1,180.15	3,847	6,183
1,180.20	3,892	6,377
1,180.25	3,937	6,573
1,180.30	3,982	6,771
1,180.35	4,028	6,971
1,180.40	4,073	7,173
1,180.45	4,118	7,378
1,180.50	4,163	7,585
1,180.55	4,208	7,794
1,180.60	4,253	8,006
1,180.65	4,299	8,220
1,180.70	4,344	8,436
1,180.75	4,389	8,654
1,180.80	4,434	8,875
1,180.85	4,479	9,098
1,180.90	4,524	9,323
1,180.95	4,570	9,550
1,181.00	4,615	9,780
1,181.05	4,660	10,011
1,181.10	4,705	10,246
1,181.15	4,750	10,482
1,181.20	4,795	10,721
1,181.25	4,841	10,962
1,181.30	4,886	11,205
1,181.35	4,931	11,450
1,181.40	4,976	11,698
1,181.45	5,021	11,948
1,181.50	5,066	12,200
1,181.55	5,112	12,454
1,181.60	5,157	12,711
1,181.65	5,202	12,970
1,181.70	5,247	13,231
1,181.75	5,292	13,495
1,181.80	5,337	13,760
1,181.85	5,383	14,028
1,181.90	5,428	14,299
1,181.95	5,473	14,571
1,182.00	**5,518**	**14,846**

Summary for Pond P3D: Pond 3D

Inflow Area = 2.380 ac, 23.95% Impervious, Inflow Depth = 0.95" for 2 YR event
Inflow = 3.48 cfs @ 12.14 hrs, Volume= 0.188 af
Outflow = 0.74 cfs @ 12.49 hrs, Volume= 0.188 af, Atten= 79%, Lag= 21.3 min
Primary = 0.57 cfs @ 12.49 hrs, Volume= 0.066 af
Routed to Link 4L : Post - North
Secondary = 0.17 cfs @ 12.49 hrs, Volume= 0.122 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,189.08' @ 12.49 hrs Surf.Area= 2,057 sf Storage= 2,906 cf

Plug-Flow detention time= 107.7 min calculated for 0.188 af (100% of inflow)
Center-of-Mass det. time= 107.7 min (950.3 - 842.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1,187.00'	11,620 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

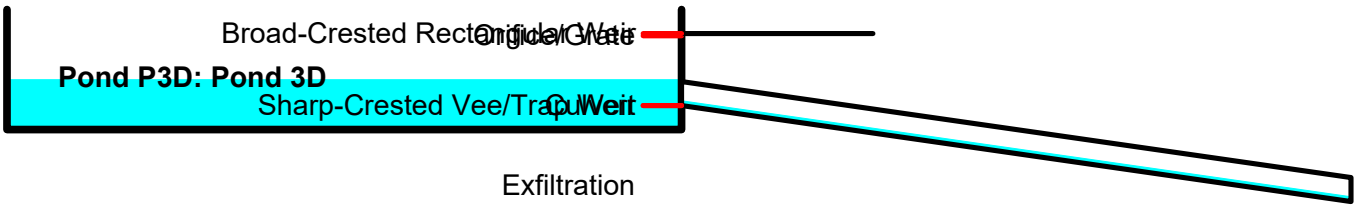
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,187.00	741	0	0
1,192.00	3,907	11,620	11,620

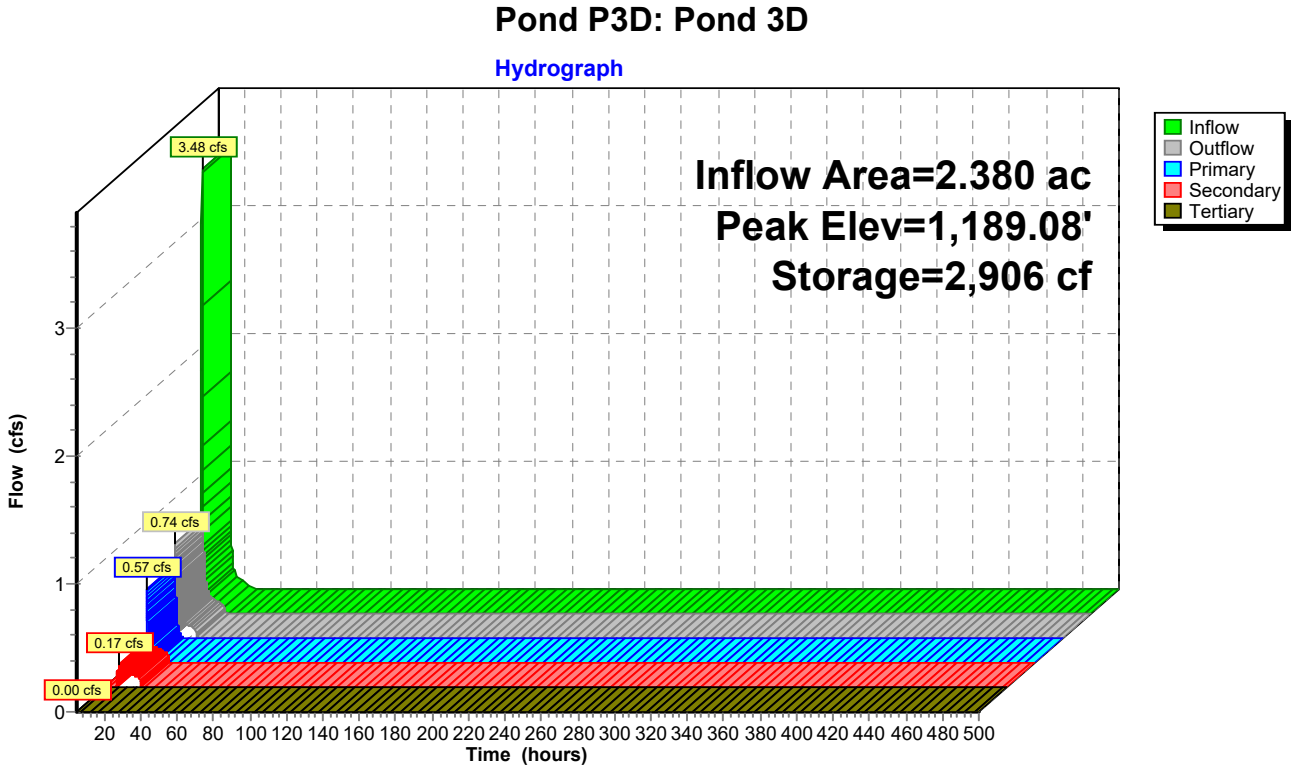
Device	Routing	Invert	Outlet Devices
#1	Primary	1,188.00'	**12.0" Round Culvert** L= 35.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,188.00' / 1,184.00' S= 0.1143 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,188.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,190.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,187.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,191.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.57 cfs @ 12.49 hrs HW=1,189.08' (Free Discharge)
└**1=Culvert** (Passes 0.57 cfs of 2.87 cfs potential flow)
└**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.57 cfs @ 2.79 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

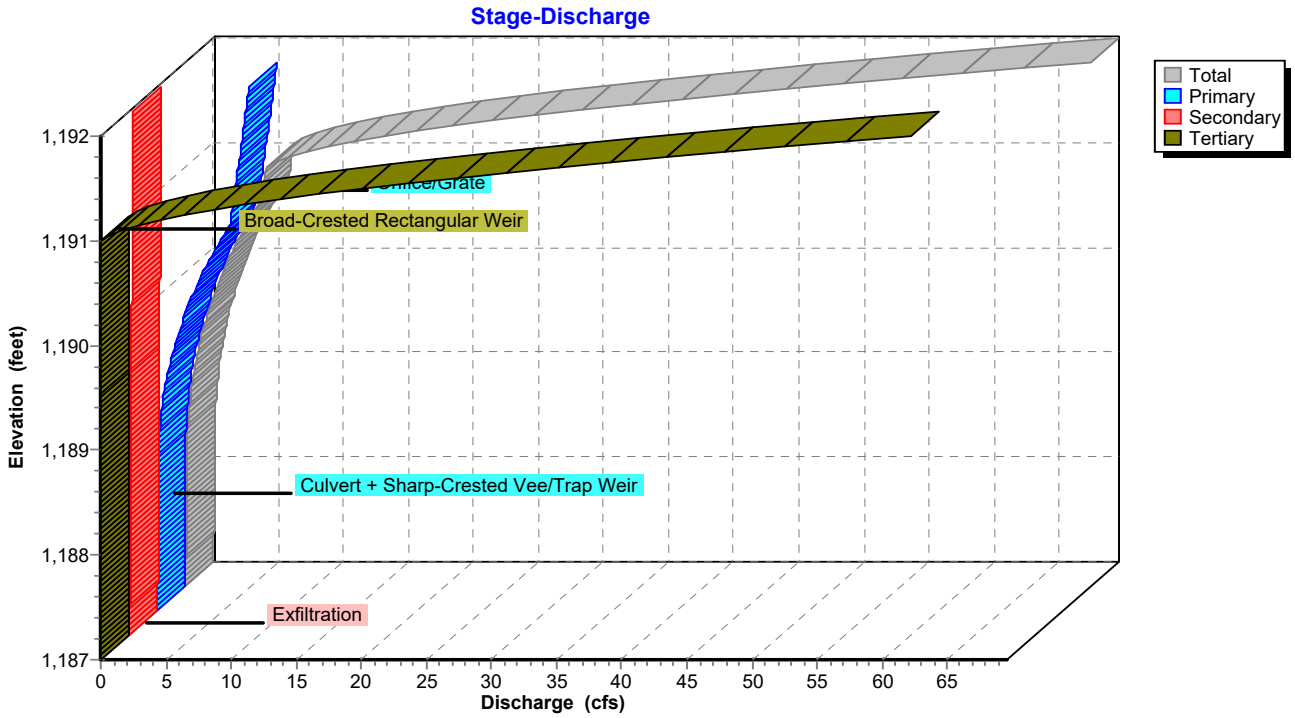
Secondary OutFlow Max=0.17 cfs @ 12.49 hrs HW=1,189.08' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.17 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,187.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

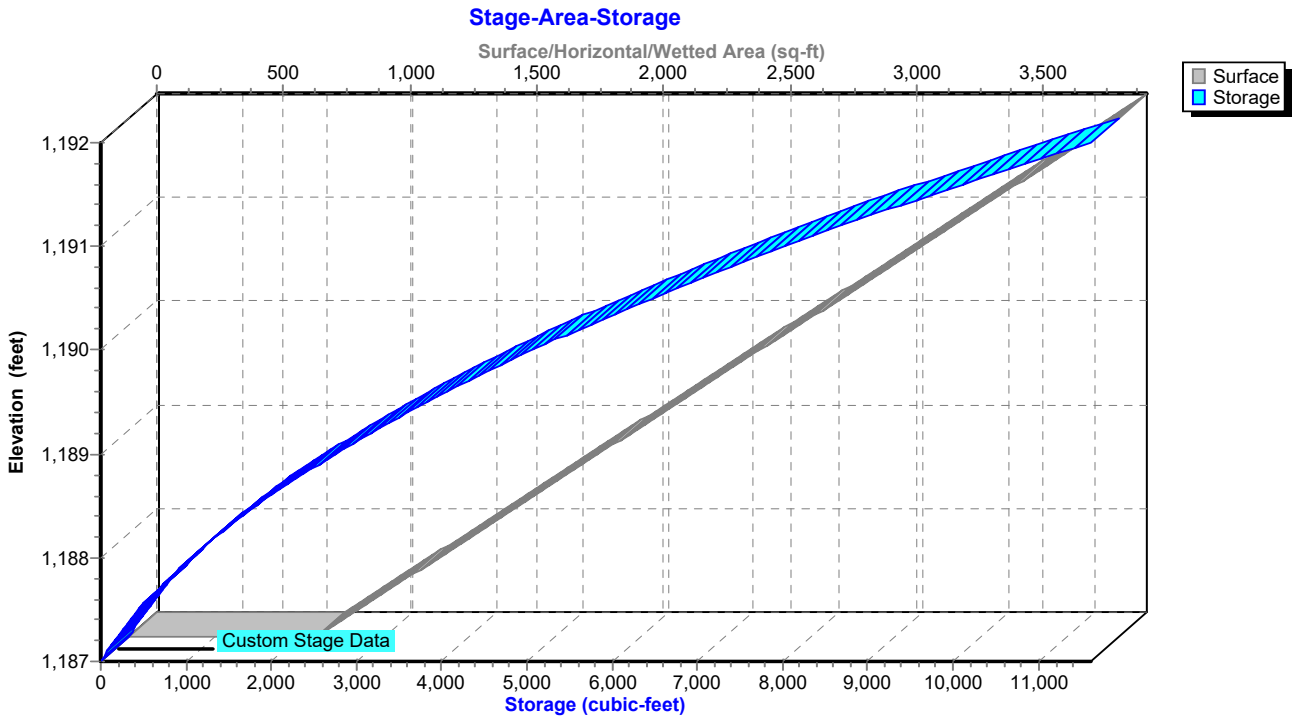

Broad-Crested Rectangular Weir
Orifice/Grate
Pond P3D: Pond 3D
Sharp-Crested Vee/Trap Weir
Exfiltration


Pond P3D: Pond 3D
Hydrograph
Inflow Area=2.380 ac
Peak Elev=1,189.08'
Storage=2,906 cf
Inflow
Outflow
Primary
Secondary
Tertiary
3.48 cfs
0.74 cfs
0.57 cfs
0.17 cfs
0.00 cfs
Flow (cfs)
0
1
2
3
20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500
Time (hours)

Pond P3D: Pond 3D



Pond P3D: Pond 3D



Hydrograph for Pond P3D: Pond 3D

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,187.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.15**	**1,743**	**1,188.45**	**0.20**	**0.07**	**0.14**	0.00
25.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3D: Pond 3D

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,187.00	0.00	0.00	0.00	0.00
1,187.10	0.07	0.00	0.07	0.00
1,187.20	0.07	0.00	0.07	0.00
1,187.30	0.08	0.00	0.08	0.00
1,187.40	0.08	0.00	0.08	0.00
1,187.50	0.09	0.00	0.09	0.00
1,187.60	0.09	0.00	0.09	0.00
1,187.70	0.10	0.00	0.10	0.00
1,187.80	0.10	0.00	0.10	0.00
1,187.90	0.11	0.00	0.11	0.00
1,188.00	0.11	0.00	0.11	0.00
1,188.10	0.12	0.00	0.12	0.00
1,188.20	0.13	0.01	0.13	0.00
1,188.30	0.15	0.02	0.13	0.00
1,188.40	0.18	0.05	0.14	0.00
1,188.50	0.22	0.08	0.14	0.00
1,188.60	0.28	0.13	0.15	0.00
1,188.70	0.35	0.19	0.15	0.00
1,188.80	0.43	0.27	0.16	0.00
1,188.90	0.53	0.36	0.16	0.00
1,189.00	0.64	0.47	0.17	0.00
1,189.10	0.77	0.60	0.17	0.00
1,189.20	0.93	0.75	0.18	0.00
1,189.30	1.10	0.91	0.18	0.00
1,189.40	1.29	1.10	0.19	0.00
1,189.50	1.50	1.31	0.19	0.00
1,189.60	1.73	1.54	0.20	0.00
1,189.70	1.99	1.79	0.20	0.00
1,189.80	2.27	2.06	0.21	0.00
1,189.90	2.58	2.36	0.21	0.00
1,190.00	2.90	2.68	0.22	0.00
1,190.10	3.26	3.03	0.23	0.00
1,190.20	3.64	3.41	0.23	0.00
1,190.30	4.04	3.81	0.24	0.00
1,190.40	4.47	4.23	0.24	0.00
1,190.50	4.93	4.69	0.25	0.00
1,190.60	5.42	5.17	0.25	0.00
1,190.70	5.87	5.61	0.26	0.00
1,190.80	6.00	5.74	0.26	0.00
1,190.90	6.13	5.86	0.27	0.00
1,191.00	6.25	5.98	0.27	0.00
1,191.10	7.98	6.10	0.28	1.60
1,191.20	11.09	6.21	0.28	4.60
1,191.30	15.31	6.33	0.29	8.70
1,191.40	20.52	6.44	0.29	13.78
1,191.50	26.93	6.55	0.30	20.08
1,191.60	34.47	6.66	0.30	27.51
1,191.70	42.18	6.76	0.31	35.10
1,191.80	50.61	6.87	0.32	43.42
1,191.90	59.75	6.97	0.32	52.45
1,192.00	**69.58**	**7.07**	**0.33**	**62.18**

Stage-Area-Storage for Pond P3D: Pond 3D

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,187.00	741	0
1,187.05	773	38
1,187.10	804	77
1,187.15	836	118
1,187.20	868	161
1,187.25	899	205
1,187.30	931	251
1,187.35	963	298
1,187.40	994	347
1,187.45	1,026	398
1,187.50	1,058	450
1,187.55	1,089	503
1,187.60	1,121	559
1,187.65	1,153	615
1,187.70	1,184	674
1,187.75	1,216	734
1,187.80	1,248	795
1,187.85	1,279	859
1,187.90	1,311	923
1,187.95	1,343	990
1,188.00	1,374	1,058
1,188.05	1,406	1,127
1,188.10	1,438	1,198
1,188.15	1,469	1,271
1,188.20	1,501	1,345
1,188.25	1,533	1,421
1,188.30	1,564	1,498
1,188.35	1,596	1,577
1,188.40	1,627	1,658
1,188.45	1,659	1,740
1,188.50	1,691	1,824
1,188.55	1,722	1,909
1,188.60	1,754	1,996
1,188.65	1,786	2,085
1,188.70	1,817	2,175
1,188.75	1,849	2,266
1,188.80	1,881	2,360
1,188.85	1,912	2,454
1,188.90	1,944	2,551
1,188.95	1,976	2,649
1,189.00	2,007	2,748
1,189.05	2,039	2,850
1,189.10	2,071	2,952
1,189.15	2,102	3,057
1,189.20	2,134	3,163
1,189.25	2,166	3,270
1,189.30	2,197	3,379
1,189.35	2,229	3,490
1,189.40	2,261	3,602
1,189.45	2,292	3,716
1,189.50	2,324	3,831
1,189.55	2,356	3,948
1,189.60	2,387	4,067
1,189.65	2,419	4,187
1,189.70	2,451	4,309
1,189.75	2,482	4,432
1,189.80	2,514	4,557
1,189.85	2,546	4,683
1,189.90	2,577	4,812
1,189.95	2,609	4,941
1,190.00	2,641	5,072
1,190.05	2,672	5,205
1,190.10	2,704	5,340
1,190.15	2,736	5,476
1,190.20	2,767	5,613
1,190.25	2,799	5,752
1,190.30	2,831	5,893
1,190.35	2,862	6,035
1,190.40	2,894	6,179
1,190.45	2,926	6,325
1,190.50	2,957	6,472
1,190.55	2,989	6,621
1,190.60	3,021	6,771
1,190.65	3,052	6,923
1,190.70	3,084	7,076
1,190.75	3,116	7,231
1,190.80	3,147	7,388
1,190.85	3,179	7,546
1,190.90	3,210	7,705
1,190.95	3,242	7,867
1,191.00	3,274	8,030
1,191.05	3,305	8,194
1,191.10	3,337	8,360
1,191.15	3,369	8,528
1,191.20	3,400	8,697
1,191.25	3,432	8,868
1,191.30	3,464	9,040
1,191.35	3,495	9,214
1,191.40	3,527	9,390
1,191.45	3,559	9,567
1,191.50	3,590	9,746
1,191.55	3,622	9,926
1,191.60	3,654	10,108
1,191.65	3,685	10,291
1,191.70	3,717	10,476
1,191.75	3,749	10,663
1,191.80	3,780	10,851
1,191.85	3,812	11,041
1,191.90	3,844	11,232
1,191.95	3,875	11,425
1,192.00	**3,907**	**11,620**

Summary for Pond P3E: Pond 3E

Inflow Area = 2.780 ac, 19.06% Impervious, Inflow Depth = 0.85" for 2 YR event
Inflow = 3.57 cfs @ 12.14 hrs, Volume= 0.196 af
Outflow = 0.30 cfs @ 13.44 hrs, Volume= 0.196 af, Atten= 92%, Lag= 78.0 min
Primary = 0.02 cfs @ 13.44 hrs, Volume= 0.002 af
Routed to Link 4L : Post - North
Secondary = 0.28 cfs @ 13.44 hrs, Volume= 0.194 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,217.25' @ 13.44 hrs Surf.Area= 3,379 sf Storage= 3,688 cf

Plug-Flow detention time= 129.4 min calculated for 0.196 af (100% of inflow)
Center-of-Mass det. time= 129.4 min (978.0 - 848.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1,216.00'	15,578 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

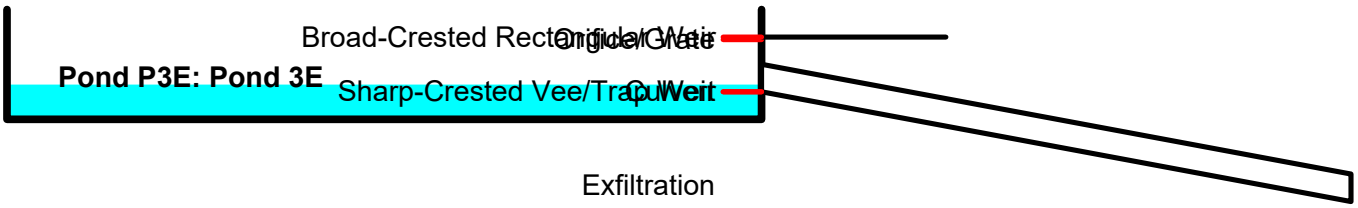
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,216.00	2,517	0	0
1,220.00	5,272	15,578	15,578

Device	Routing	Invert	Outlet Devices
#1	Primary	1,217.00'	**12.0" Round Culvert** L= 32.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,217.00' / 1,213.00' S= 0.1250 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,217.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,218.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,216.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,219.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

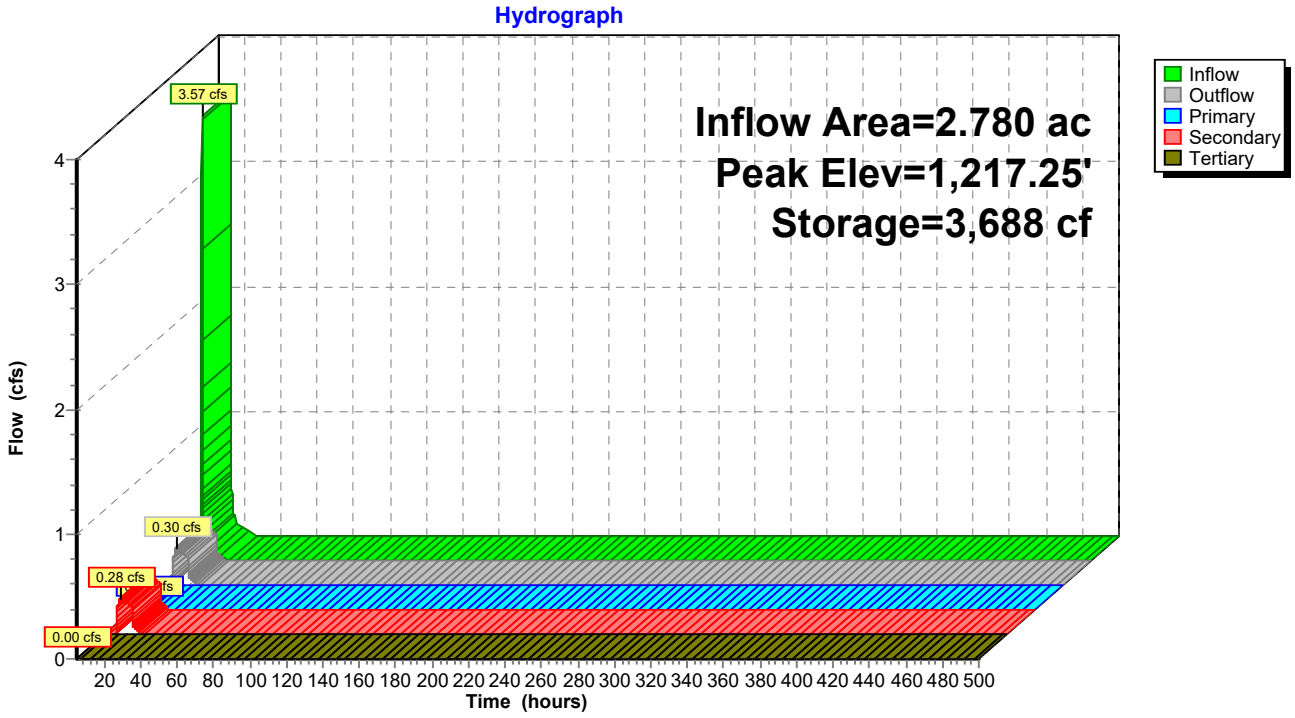
Primary OutFlow Max=0.01 cfs @ 13.44 hrs HW=1,217.25' (Free Discharge)
└**1=Culvert** (Passes 0.01 cfs of 0.26 cfs potential flow)
└**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.01 cfs @ 1.35 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.28 cfs @ 13.44 hrs HW=1,217.25' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.28 cfs)

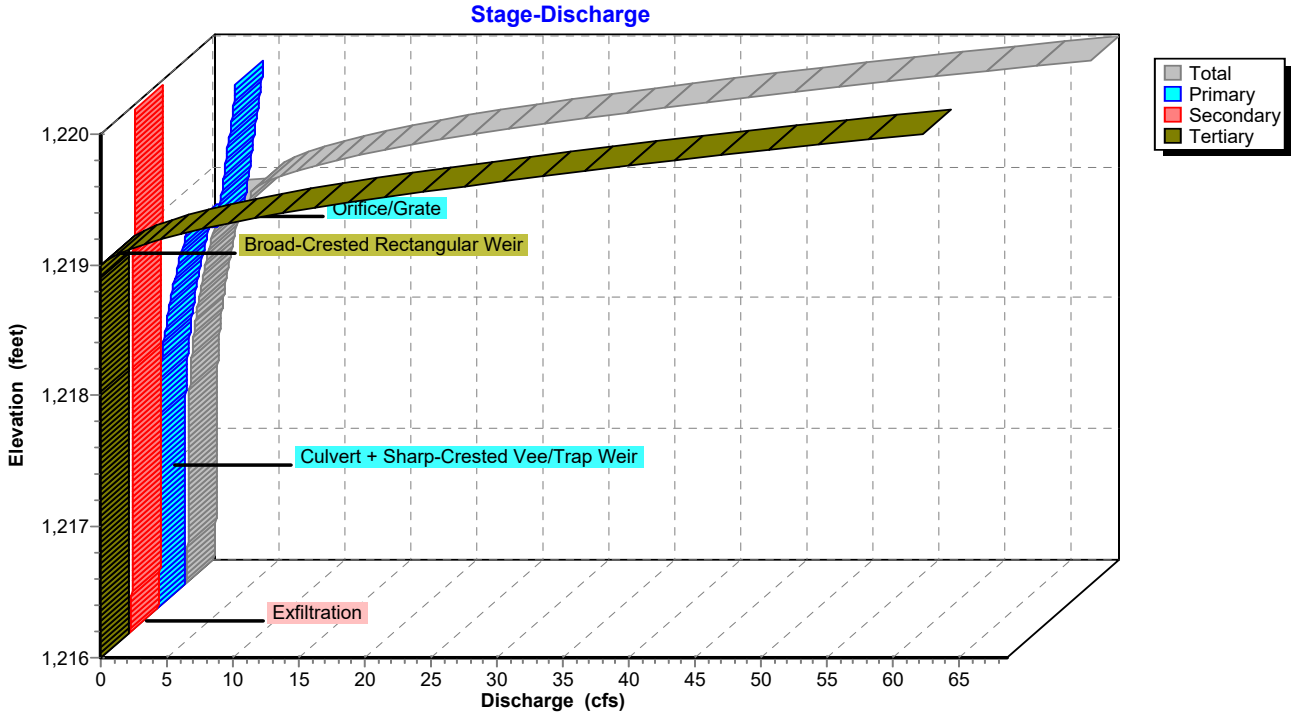
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,216.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



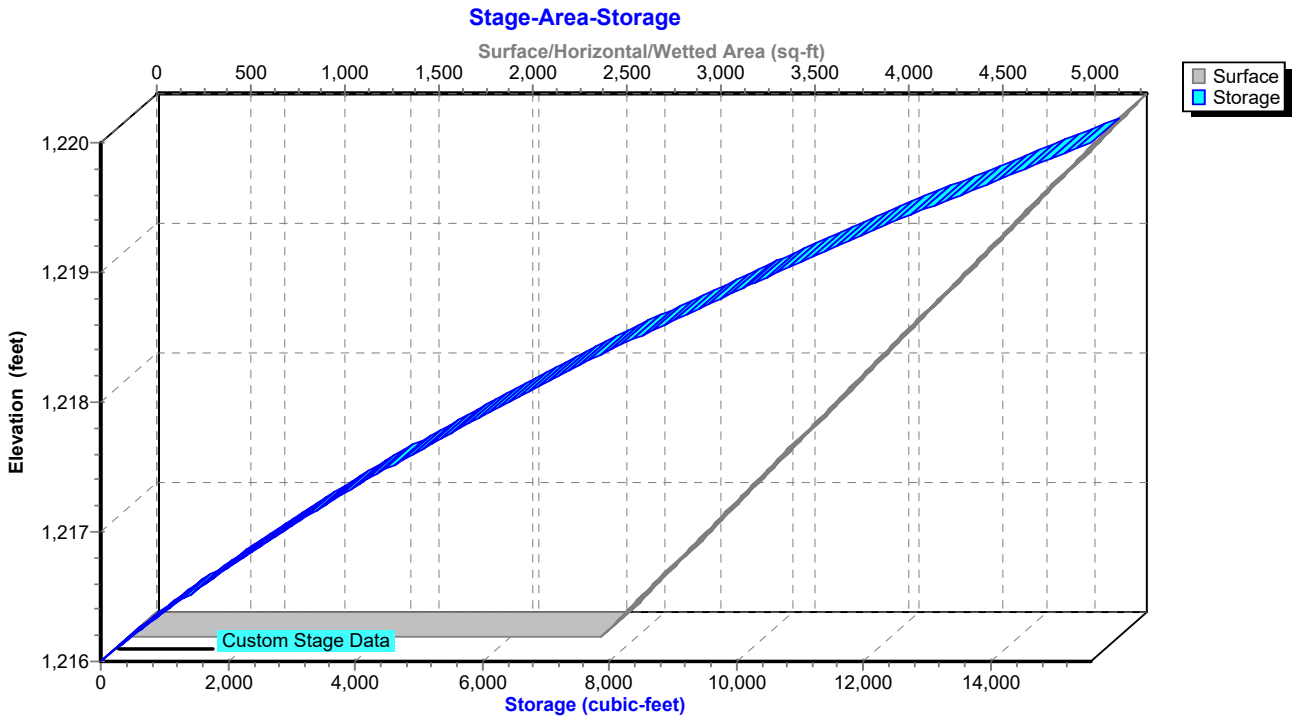
Pond P3E: Pond 3E



Pond P3E: Pond 3E



Pond P3E: Pond 3E



Hydrograph for Pond P3E: Pond 3E

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,216.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.16**	**3,132**	**1,217.08**	**0.27**	**0.00**	**0.27**	0.00
25.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3E: Pond 3E

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,216.00	0.00	0.00	0.00	0.00
1,216.10	0.22	0.00	0.22	0.00
1,216.20	0.22	0.00	0.22	0.00
1,216.30	0.23	0.00	0.23	0.00
1,216.40	0.23	0.00	0.23	0.00
1,216.50	0.24	0.00	0.24	0.00
1,216.60	0.24	0.00	0.24	0.00
1,216.70	0.25	0.00	0.25	0.00
1,216.80	0.26	0.00	0.26	0.00
1,216.90	0.26	0.00	0.26	0.00
1,217.00	0.27	0.00	0.27	0.00
1,217.10	0.27	0.00	0.27	0.00
1,217.20	0.29	0.01	0.28	0.00
1,217.30	0.31	0.02	0.28	0.00
1,217.40	0.34	0.05	0.29	0.00
1,217.50	0.38	0.08	0.30	0.00
1,217.60	0.43	0.13	0.30	0.00
1,217.70	0.50	0.19	0.31	0.00
1,217.80	0.58	0.27	0.31	0.00
1,217.90	0.68	0.36	0.32	0.00
1,218.00	0.80	0.47	0.32	0.00
1,218.10	0.93	0.60	0.33	0.00
1,218.20	1.08	0.75	0.34	0.00
1,218.30	1.26	0.91	0.34	0.00
1,218.40	1.45	1.10	0.35	0.00
1,218.50	1.66	1.31	0.35	0.00
1,218.60	1.89	1.54	0.36	0.00
1,218.70	2.15	1.79	0.36	0.00
1,218.80	2.43	2.06	0.37	0.00
1,218.90	2.74	2.36	0.38	0.00
1,219.00	5.01	4.63	0.38	0.00
1,219.10	6.77	4.78	0.39	1.60
1,219.20	9.92	4.93	0.39	4.60
1,219.30	14.17	5.07	0.40	8.70
1,219.40	19.40	5.21	0.40	13.78
1,219.50	25.84	5.35	0.41	20.08
1,219.60	33.40	5.48	0.42	27.51
1,219.70	41.13	5.61	0.42	35.10
1,219.80	49.59	5.74	0.43	43.42
1,219.90	58.74	5.86	0.43	52.45
1,220.00	**68.59**	**5.98**	**0.44**	**62.18**

Stage-Area-Storage for Pond P3E: Pond 3E

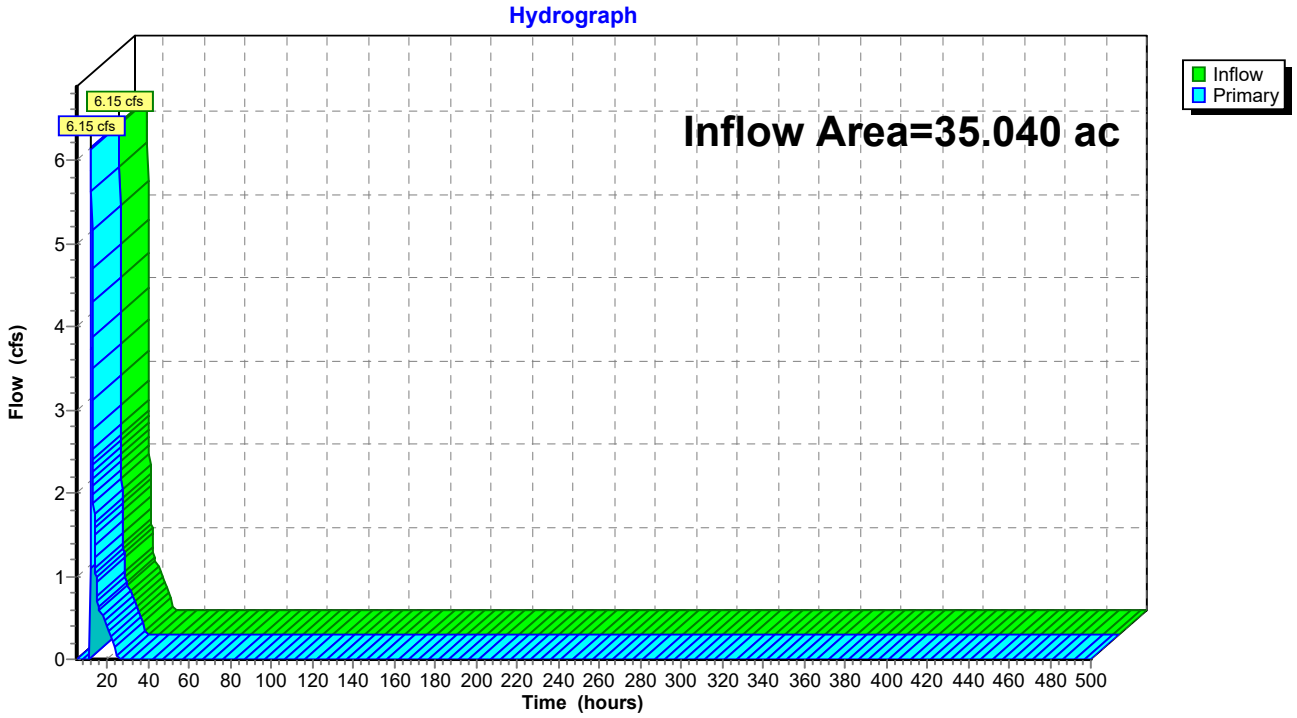
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,216.00	2,517	0
1,216.05	2,551	127
1,216.10	2,586	255
1,216.15	2,620	385
1,216.20	2,655	517
1,216.25	2,689	651
1,216.30	2,724	786
1,216.35	2,758	923
1,216.40	2,793	1,062
1,216.45	2,827	1,202
1,216.50	2,861	1,345
1,216.55	2,896	1,489
1,216.60	2,930	1,634
1,216.65	2,965	1,782
1,216.70	2,999	1,931
1,216.75	3,034	2,081
1,216.80	3,068	2,234
1,216.85	3,102	2,388
1,216.90	3,137	2,544
1,216.95	3,171	2,702
1,217.00	3,206	2,861
1,217.05	3,240	3,023
1,217.10	3,275	3,185
1,217.15	3,309	3,350
1,217.20	3,344	3,516
1,217.25	3,378	3,684
1,217.30	3,412	3,854
1,217.35	3,447	4,026
1,217.40	3,481	4,199
1,217.45	3,516	4,374
1,217.50	3,550	4,550
1,217.55	3,585	4,729
1,217.60	3,619	4,909
1,217.65	3,653	5,091
1,217.70	3,688	5,274
1,217.75	3,722	5,459
1,217.80	3,757	5,646
1,217.85	3,791	5,835
1,217.90	3,826	6,025
1,217.95	3,860	6,218
1,218.00	3,895	6,412
1,218.05	3,929	6,607
1,218.10	3,963	6,804
1,218.15	3,998	7,003
1,218.20	4,032	7,204
1,218.25	4,067	7,407
1,218.30	4,101	7,611
1,218.35	4,136	7,817
1,218.40	4,170	8,024
1,218.45	4,204	8,234
1,218.50	4,239	8,445
1,218.55	4,273	8,658
1,218.60	4,308	8,872
1,218.65	4,342	9,088
1,218.70	4,377	9,306
1,218.75	4,411	9,526
1,218.80	4,445	9,747
1,218.85	4,480	9,971
1,218.90	4,514	10,195
1,218.95	4,549	10,422
1,219.00	4,583	10,650
1,219.05	4,618	10,880
1,219.10	4,652	11,112
1,219.15	4,687	11,346
1,219.20	4,721	11,581
1,219.25	4,755	11,818
1,219.30	4,790	12,056
1,219.35	4,824	12,297
1,219.40	4,859	12,539
1,219.45	4,893	12,783
1,219.50	4,928	13,028
1,219.55	4,962	13,275
1,219.60	4,996	13,524
1,219.65	5,031	13,775
1,219.70	5,065	14,027
1,219.75	5,100	14,282
1,219.80	5,134	14,537
1,219.85	5,169	14,795
1,219.90	5,203	15,054
1,219.95	5,238	15,315
1,220.00	**5,272**	**15,578**

Summary for Link 1L: Total Pre - Development

Inflow Area = 35.040 ac, 0.00% Impervious, Inflow Depth = 0.27" for 2 YR event
Inflow = 6.15 cfs @ 12.24 hrs, Volume= 0.790 af
Primary = 6.15 cfs @ 12.24 hrs, Volume= 0.790 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 1L: Total Pre - Development



Hydrograph for Link 1L: Total Pre - Development

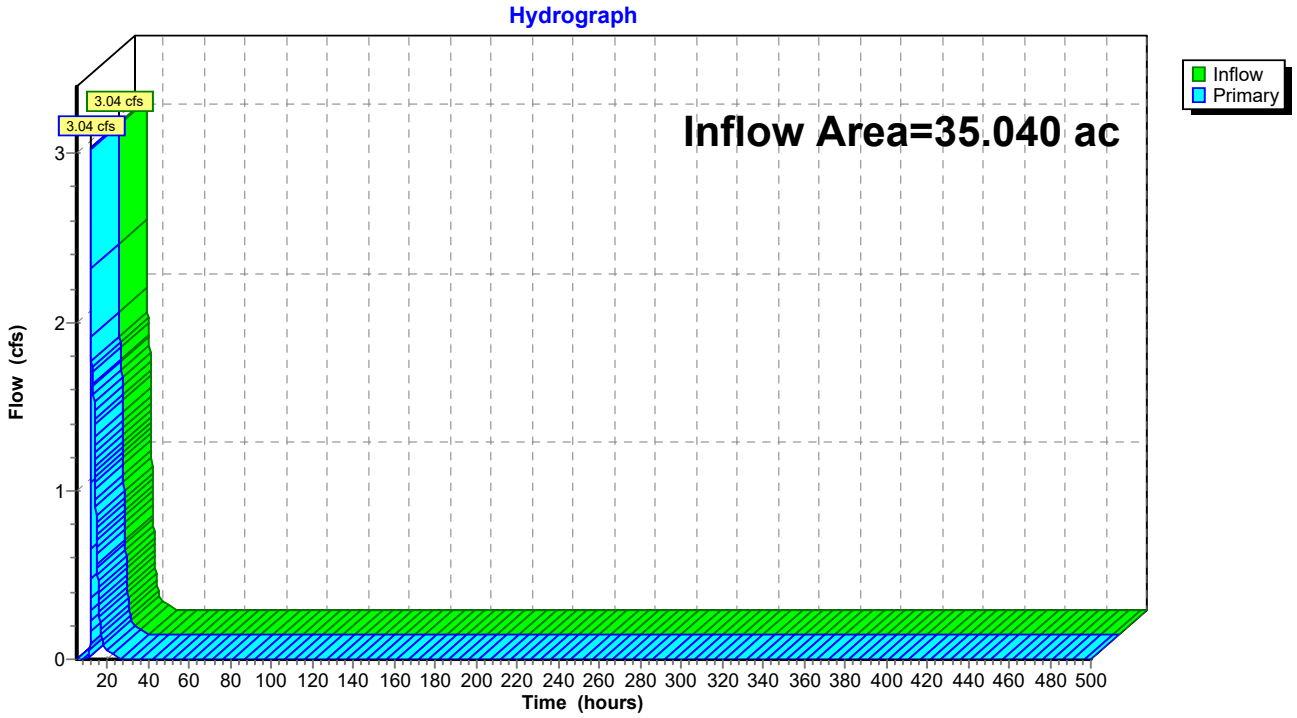
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.96**	0.00	**0.96**	270.00	0.00	0.00	0.00
20.00	0.40	0.00	0.40	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 2L: Total Post - Development

Inflow Area = 35.040 ac, 19.66% Impervious, Inflow Depth = 0.15" for 2 YR event
Inflow = 3.04 cfs @ 12.14 hrs, Volume= 0.429 af
Primary = 3.04 cfs @ 12.14 hrs, Volume= 0.429 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 2L: Total Post - Development



Hydrograph for Link 2L: Total Post - Development

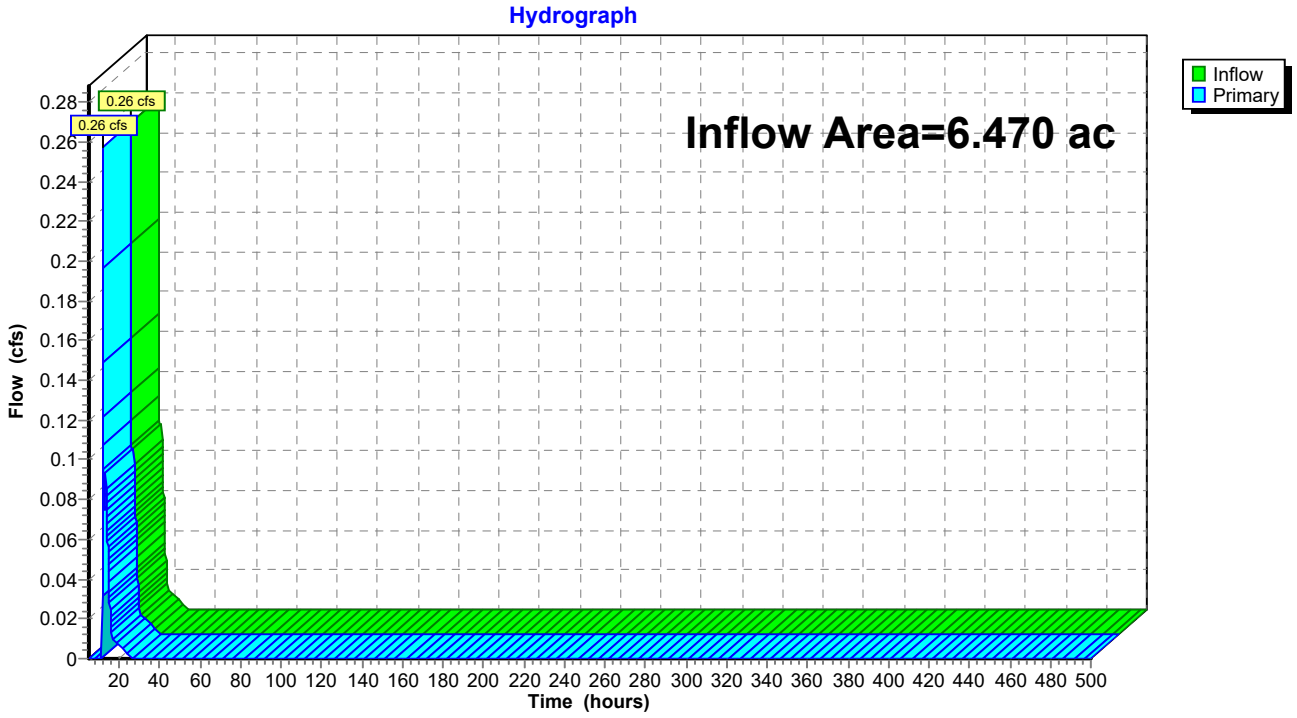
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.63**	0.00	**0.63**	270.00	0.00	0.00	0.00
20.00	0.05	0.00	0.05	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 3L: Post - South

Inflow Area = 6.470 ac, 18.70% Impervious, Inflow Depth = 0.05" for 2 YR event
Inflow = 0.26 cfs @ 12.15 hrs, Volume= 0.027 af
Primary = 0.26 cfs @ 12.15 hrs, Volume= 0.027 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 3L: Post - South



Hydrograph for Link 3L: Post - South

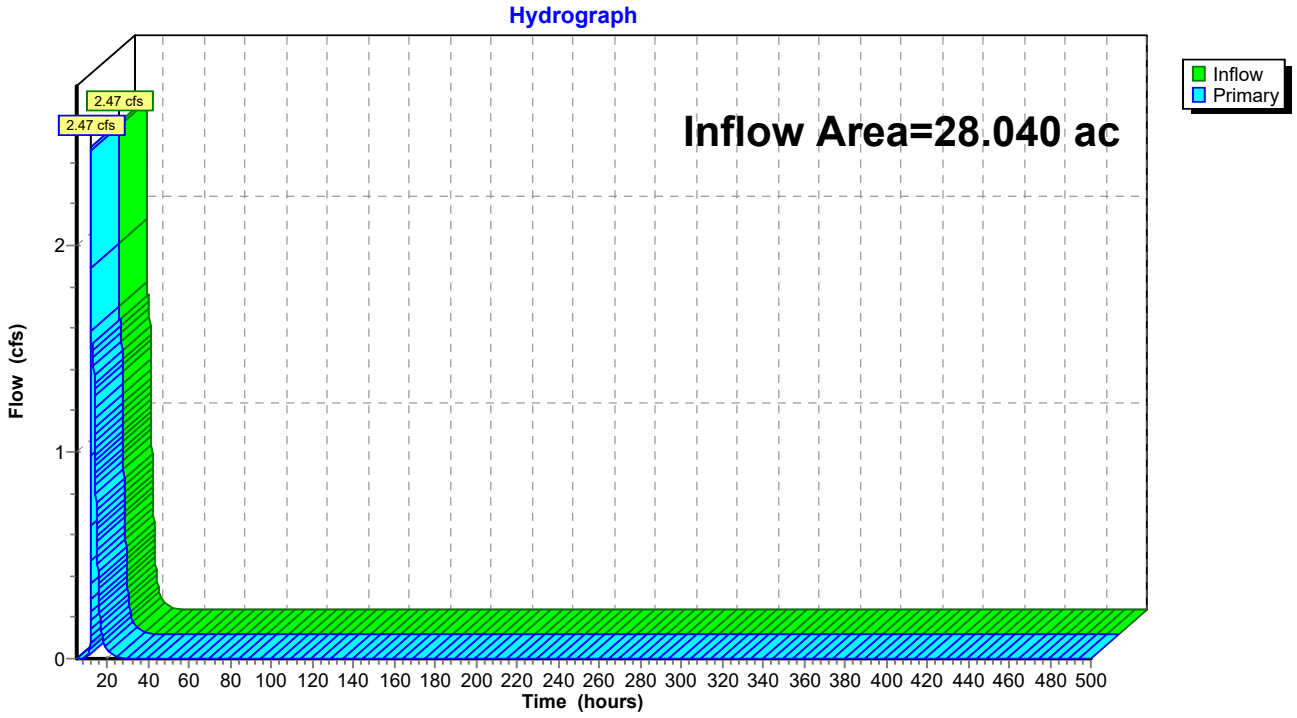
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.04**	0.00	**0.04**	270.00	0.00	0.00	0.00
20.00	0.01	0.00	0.01	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 4L: Post - North

Inflow Area = 28.040 ac, 20.04% Impervious, Inflow Depth = 0.16" for 2 YR event
Inflow = 2.47 cfs @ 12.14 hrs, Volume= 0.382 af
Primary = 2.47 cfs @ 12.14 hrs, Volume= 0.382 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 4L: Post - North



Hydrograph for Link 4L: Post - North

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.56**	0.00	**0.56**	270.00	0.00	0.00	0.00
20.00	0.04	0.00	0.04	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Time span=5.00-500.00 hrs, dt=0.05 hrs, 9901 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1: Pre - South Runoff Area=4.910 ac 0.00% Impervious Runoff Depth=0.42"
Tc=10.0 min CN=55 Runoff=1.62 cfs 0.170 af

Subcatchment1A: Post 1A Runoff Area=6.030 ac 19.24% Impervious Runoff Depth=1.02"
Tc=6.0 min CN=68 Runoff=9.27 cfs 0.512 af

Subcatchment1B: Post 1B - Offsite Runoff Area=0.440 ac 11.36% Impervious Runoff Depth=0.86"
Tc=6.0 min CN=65 Runoff=0.55 cfs 0.032 af

Subcatchment2: Pre - West Runoff Area=2.540 ac 0.00% Impervious Runoff Depth=0.42"
Tc=6.0 min CN=55 Runoff=1.04 cfs 0.088 af

Subcatchment2A: Post 2A - Offsite Runoff Area=0.530 ac 11.32% Impervious Runoff Depth=0.86"
Tc=6.0 min CN=65 Runoff=0.66 cfs 0.038 af

Subcatchment3: Pre - North Runoff Area=27.590 ac 0.00% Impervious Runoff Depth=0.62"
Tc=10.0 min CN=60 Runoff=18.17 cfs 1.426 af

Subcatchment3A: Post 3A Runoff Area=10.600 ac 18.58% Impervious Runoff Depth=1.13"
Tc=6.0 min CN=70 Runoff=18.39 cfs 1.001 af

Subcatchment3B: Post 3B Runoff Area=8.450 ac 19.88% Impervious Runoff Depth=1.19"
Tc=6.0 min CN=71 Runoff=15.52 cfs 0.840 af

Subcatchment3C: Post 3C Runoff Area=2.490 ac 22.89% Impervious Runoff Depth=1.45"
Tc=6.0 min CN=75 Runoff=5.62 cfs 0.300 af

Subcatchment3D: Post 3D Runoff Area=2.380 ac 23.95% Impervious Runoff Depth=1.51"
Tc=6.0 min CN=76 Runoff=5.64 cfs 0.300 af

Subcatchment3E: Post 3E Runoff Area=2.780 ac 19.06% Impervious Runoff Depth=1.38"
Tc=6.0 min CN=74 Runoff=5.98 cfs 0.320 af

Subcatchment3Y: Post 3Y - Offsite Runoff Area=0.820 ac 36.59% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=83 Runoff=2.59 cfs 0.139 af

Subcatchment3Z: Post 3Z - Offsite Runoff Area=0.520 ac 0.00% Impervious Runoff Depth=1.38"
Tc=6.0 min CN=74 Runoff=1.12 cfs 0.060 af

Subcatchment5S: Culvert 1 Runoff Area=4,797 sf 48.61% Impervious Runoff Depth=1.72"
Tc=6.0 min CN=79 Runoff=0.30 cfs 0.016 af

Subcatchment6S: Culvert 2 Runoff Area=24,708 sf 36.87% Impervious Runoff Depth=1.45"
Tc=6.0 min CN=75 Runoff=1.28 cfs 0.068 af

Subcatchment7S: Culvert 3 Runoff Area=41,517 sf 32.00% Impervious Runoff Depth=1.32"
Tc=6.0 min CN=73 Runoff=1.95 cfs 0.105 af

Subcatchment8S: Culvert 4 Runoff Area=209,603 sf 25.18% Impervious Runoff Depth=1.13"
Tc=6.0 min CN=70 Runoff=8.35 cfs 0.455 af

Subcatchment9S: Culvert 5 Runoff Area=188,836 sf 19.96% Impervious Runoff Depth=1.02"
Tc=6.0 min CN=68 Runoff=6.66 cfs 0.368 af

Pond P1A: Pond 1A Peak Elev=1,241.17' Storage=8,802 cf Inflow=9.27 cfs 0.512 af
Primary=0.70 cfs 0.135 af Secondary=0.47 cfs 0.377 af Tertiary=0.00 cfs 0.000 af Outflow=1.17 cfs 0.512 af

Pond P3A: Pond 3A Peak Elev=1,194.76' Storage=17,153 cf Inflow=18.39 cfs 1.001 af
Primary=1.94 cfs 0.381 af Secondary=0.69 cfs 0.621 af Tertiary=0.00 cfs 0.000 af Outflow=2.63 cfs 1.001 af

Pond P3B: Pond 3B Peak Elev=1,197.78' Storage=13,957 cf Inflow=15.52 cfs 0.840 af
Primary=2.01 cfs 0.345 af Secondary=0.60 cfs 0.495 af Tertiary=0.00 cfs 0.000 af Outflow=2.61 cfs 0.840 af

Pond P3C: Pond 3C Peak Elev=1,179.96' Storage=5,454 cf Inflow=5.62 cfs 0.300 af
Primary=0.42 cfs 0.067 af Secondary=0.31 cfs 0.233 af Tertiary=0.00 cfs 0.000 af Outflow=0.73 cfs 0.300 af

Pond P3D: Pond 3D Peak Elev=1,189.67' Storage=4,243 cf Inflow=5.64 cfs 0.300 af
Primary=1.72 cfs 0.153 af Secondary=0.20 cfs 0.147 af Tertiary=0.00 cfs 0.000 af Outflow=1.92 cfs 0.300 af

Pond P3E: Pond 3E Peak Elev=1,217.88' Storage=5,965 cf Inflow=5.98 cfs 0.320 af
Primary=0.35 cfs 0.060 af Secondary=0.32 cfs 0.260 af Tertiary=0.00 cfs 0.000 af Outflow=0.67 cfs 0.320 af

Link 1L: Total Pre - Development Inflow=20.61 cfs 1.684 af
Primary=20.61 cfs 1.684 af

Link 2L: Total Post - Development Inflow=7.52 cfs 1.408 af
Primary=7.52 cfs 1.408 af

Link 3L: Post - South Inflow=0.77 cfs 0.167 af
Primary=0.77 cfs 0.167 af

Link 4L: Post - North Inflow=6.64 cfs 1.203 af
Primary=6.64 cfs 1.203 af

Total Runoff Area = 80.857 ac Runoff Volume = 6.236 af Average Runoff Depth = 0.93"
88.21% Pervious = 71.323 ac 11.79% Impervious = 9.534 ac

Summary for Subcatchment 1: Pre - South

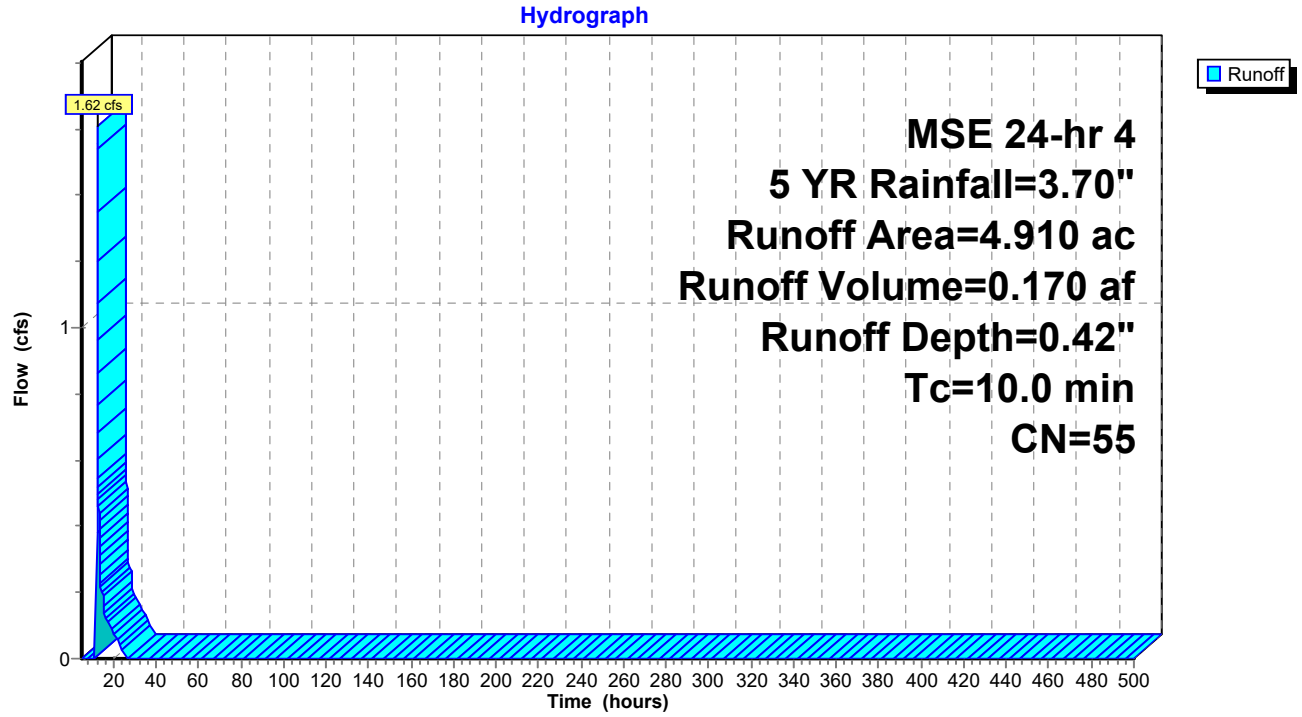
Runoff = 1.62 cfs @ 12.22 hrs, Volume= 0.170 af, Depth= 0.42"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	4.910	55	Pre Dev - B Soils
	4.910		100.00% Pervious Area

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

Subcatchment 1: Pre - South



Hydrograph for Subcatchment 1: Pre - South

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	0.42	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	0.42	0.00
15.00	3.25	0.27	**0.20**	270.00	3.70	0.42	0.00
20.00	**3.58**	**0.37**	0.08	275.00	3.70	0.42	0.00
25.00	**3.70**	**0.42**	0.00	280.00	3.70	0.42	0.00
30.00	3.70	0.42	0.00	285.00	3.70	0.42	0.00
35.00	3.70	0.42	0.00	290.00	3.70	0.42	0.00
40.00	3.70	0.42	0.00	295.00	3.70	0.42	0.00
45.00	3.70	0.42	0.00	300.00	3.70	0.42	0.00
50.00	3.70	0.42	0.00	305.00	3.70	0.42	0.00
55.00	3.70	0.42	0.00	310.00	3.70	0.42	0.00
60.00	3.70	0.42	0.00	315.00	3.70	0.42	0.00
65.00	3.70	0.42	0.00	320.00	3.70	0.42	0.00
70.00	3.70	0.42	0.00	325.00	3.70	0.42	0.00
75.00	3.70	0.42	0.00	330.00	3.70	0.42	0.00
80.00	3.70	0.42	0.00	335.00	3.70	0.42	0.00
85.00	3.70	0.42	0.00	340.00	3.70	0.42	0.00
90.00	3.70	0.42	0.00	345.00	3.70	0.42	0.00
95.00	3.70	0.42	0.00	350.00	3.70	0.42	0.00
100.00	3.70	0.42	0.00	355.00	3.70	0.42	0.00
105.00	3.70	0.42	0.00	360.00	3.70	0.42	0.00
110.00	3.70	0.42	0.00	365.00	3.70	0.42	0.00
115.00	3.70	0.42	0.00	370.00	3.70	0.42	0.00
120.00	3.70	0.42	0.00	375.00	3.70	0.42	0.00
125.00	3.70	0.42	0.00	380.00	3.70	0.42	0.00
130.00	3.70	0.42	0.00	385.00	3.70	0.42	0.00
135.00	3.70	0.42	0.00	390.00	3.70	0.42	0.00
140.00	3.70	0.42	0.00	395.00	3.70	0.42	0.00
145.00	3.70	0.42	0.00	400.00	3.70	0.42	0.00
150.00	3.70	0.42	0.00	405.00	3.70	0.42	0.00
155.00	3.70	0.42	0.00	410.00	3.70	0.42	0.00
160.00	3.70	0.42	0.00	415.00	3.70	0.42	0.00
165.00	3.70	0.42	0.00	420.00	3.70	0.42	0.00
170.00	3.70	0.42	0.00	425.00	3.70	0.42	0.00
175.00	3.70	0.42	0.00	430.00	3.70	0.42	0.00
180.00	3.70	0.42	0.00	435.00	3.70	0.42	0.00
185.00	3.70	0.42	0.00	440.00	3.70	0.42	0.00
190.00	3.70	0.42	0.00	445.00	3.70	0.42	0.00
195.00	3.70	0.42	0.00	450.00	3.70	0.42	0.00
200.00	3.70	0.42	0.00	455.00	3.70	0.42	0.00
205.00	3.70	0.42	0.00	460.00	3.70	0.42	0.00
210.00	3.70	0.42	0.00	465.00	3.70	0.42	0.00
215.00	3.70	0.42	0.00	470.00	3.70	0.42	0.00
220.00	3.70	0.42	0.00	475.00	3.70	0.42	0.00
225.00	3.70	0.42	0.00	480.00	3.70	0.42	0.00
230.00	3.70	0.42	0.00	485.00	3.70	0.42	0.00
235.00	3.70	0.42	0.00	490.00	3.70	0.42	0.00
240.00	3.70	0.42	0.00	495.00	3.70	0.42	0.00
245.00	3.70	0.42	0.00	500.00	3.70	0.42	0.00
250.00	3.70	0.42	0.00				
255.00	3.70	0.42	0.00				

Summary for Subcatchment 1A: Post 1A

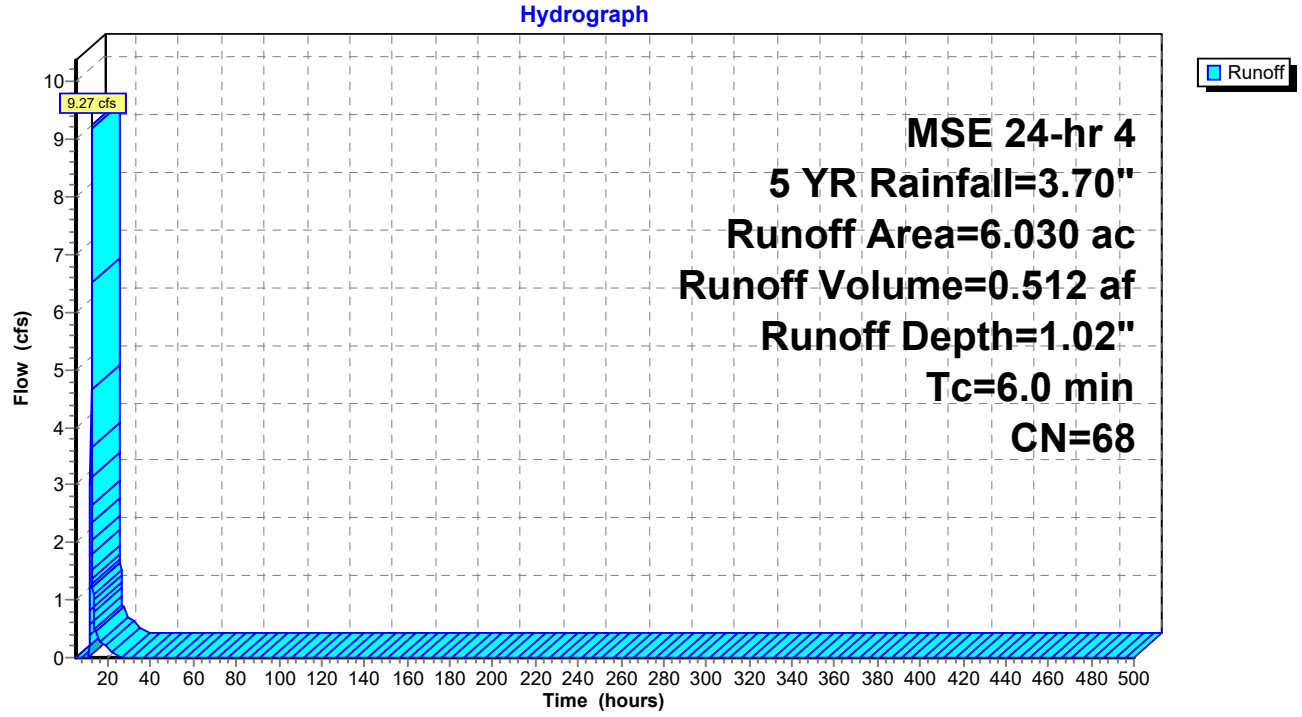
Runoff = 9.27 cfs @ 12.14 hrs, Volume= 0.512 af, Depth= 1.02"
Routed to Pond P1A : Pond 1A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	1.160	98	Impervious
*	4.870	61	Post - B Soils
*	0.000	74	Post - C Soils
	6.030	68	Weighted Average
	4.870		80.76% Pervious Area
	1.160		19.24% Impervious Area

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

Subcatchment 1A: Post 1A



Hydrograph for Subcatchment 1A: Post 1A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	1.02	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	1.02	0.00
15.00	3.25	0.76	**0.44**	270.00	3.70	1.02	0.00
20.00	**3.58**	**0.95**	0.17	275.00	3.70	1.02	0.00
25.00	**3.70**	**1.02**	0.00	280.00	3.70	1.02	0.00
30.00	3.70	1.02	0.00	285.00	3.70	1.02	0.00
35.00	3.70	1.02	0.00	290.00	3.70	1.02	0.00
40.00	3.70	1.02	0.00	295.00	3.70	1.02	0.00
45.00	3.70	1.02	0.00	300.00	3.70	1.02	0.00
50.00	3.70	1.02	0.00	305.00	3.70	1.02	0.00
55.00	3.70	1.02	0.00	310.00	3.70	1.02	0.00
60.00	3.70	1.02	0.00	315.00	3.70	1.02	0.00
65.00	3.70	1.02	0.00	320.00	3.70	1.02	0.00
70.00	3.70	1.02	0.00	325.00	3.70	1.02	0.00
75.00	3.70	1.02	0.00	330.00	3.70	1.02	0.00
80.00	3.70	1.02	0.00	335.00	3.70	1.02	0.00
85.00	3.70	1.02	0.00	340.00	3.70	1.02	0.00
90.00	3.70	1.02	0.00	345.00	3.70	1.02	0.00
95.00	3.70	1.02	0.00	350.00	3.70	1.02	0.00
100.00	3.70	1.02	0.00	355.00	3.70	1.02	0.00
105.00	3.70	1.02	0.00	360.00	3.70	1.02	0.00
110.00	3.70	1.02	0.00	365.00	3.70	1.02	0.00
115.00	3.70	1.02	0.00	370.00	3.70	1.02	0.00
120.00	3.70	1.02	0.00	375.00	3.70	1.02	0.00
125.00	3.70	1.02	0.00	380.00	3.70	1.02	0.00
130.00	3.70	1.02	0.00	385.00	3.70	1.02	0.00
135.00	3.70	1.02	0.00	390.00	3.70	1.02	0.00
140.00	3.70	1.02	0.00	395.00	3.70	1.02	0.00
145.00	3.70	1.02	0.00	400.00	3.70	1.02	0.00
150.00	3.70	1.02	0.00	405.00	3.70	1.02	0.00
155.00	3.70	1.02	0.00	410.00	3.70	1.02	0.00
160.00	3.70	1.02	0.00	415.00	3.70	1.02	0.00
165.00	3.70	1.02	0.00	420.00	3.70	1.02	0.00
170.00	3.70	1.02	0.00	425.00	3.70	1.02	0.00
175.00	3.70	1.02	0.00	430.00	3.70	1.02	0.00
180.00	3.70	1.02	0.00	435.00	3.70	1.02	0.00
185.00	3.70	1.02	0.00	440.00	3.70	1.02	0.00
190.00	3.70	1.02	0.00	445.00	3.70	1.02	0.00
195.00	3.70	1.02	0.00	450.00	3.70	1.02	0.00
200.00	3.70	1.02	0.00	455.00	3.70	1.02	0.00
205.00	3.70	1.02	0.00	460.00	3.70	1.02	0.00
210.00	3.70	1.02	0.00	465.00	3.70	1.02	0.00
215.00	3.70	1.02	0.00	470.00	3.70	1.02	0.00
220.00	3.70	1.02	0.00	475.00	3.70	1.02	0.00
225.00	3.70	1.02	0.00	480.00	3.70	1.02	0.00
230.00	3.70	1.02	0.00	485.00	3.70	1.02	0.00
235.00	3.70	1.02	0.00	490.00	3.70	1.02	0.00
240.00	3.70	1.02	0.00	495.00	3.70	1.02	0.00
245.00	3.70	1.02	0.00	500.00	3.70	1.02	0.00
250.00	3.70	1.02	0.00				
255.00	3.70	1.02	0.00				

Summary for Subcatchment 1B: Post 1B - Offsite

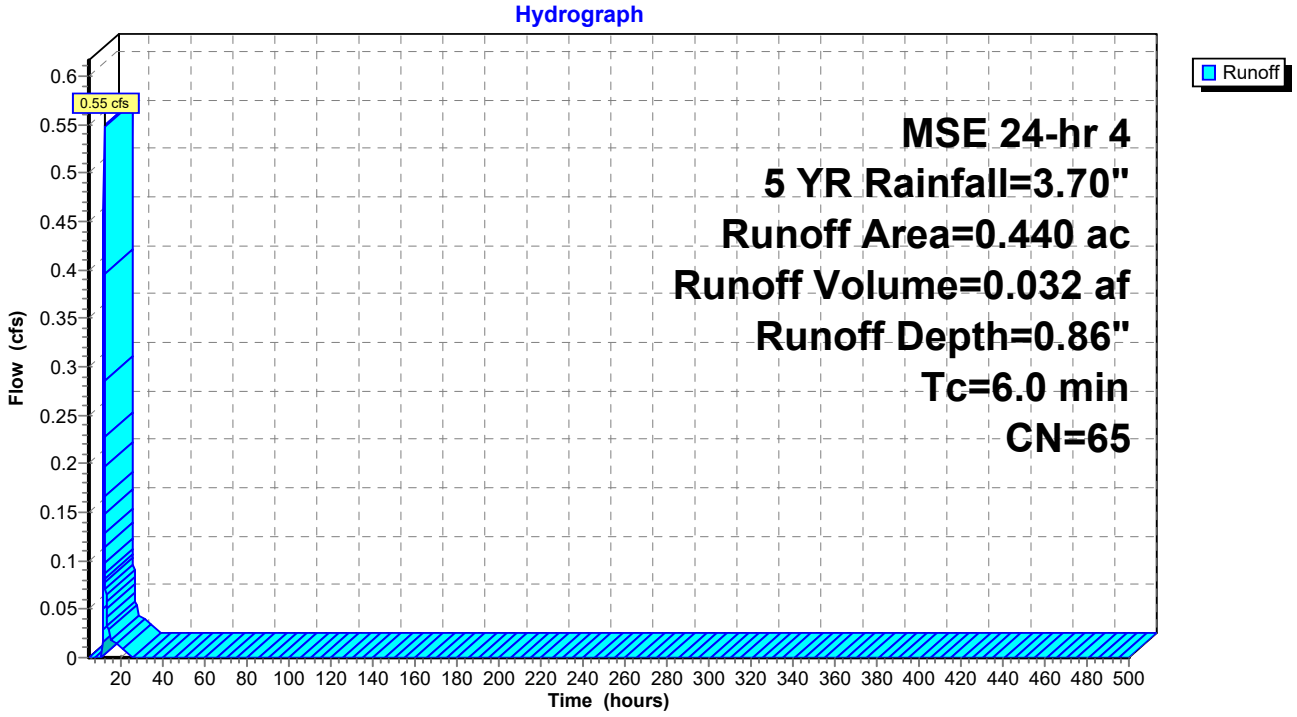
Runoff = 0.55 cfs @ 12.14 hrs, Volume= 0.032 af, Depth= 0.86"
Routed to Link 3L : Post - South

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	0.050	98	Impervious
*	0.390	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.440	65	Weighted Average
	0.390		88.64% Pervious Area
	0.050		11.36% Impervious Area

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

Subcatchment 1B: Post 1B - Offsite



Hydrograph for Subcatchment 1B: Post 1B - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00
10.00	0.59	0.00	**0.00**
15.00	3.25	0.63	**0.03**
20.00	**3.58**	**0.79**	0.01
25.00	**3.70**	**0.86**	0.00
30.00	3.70	0.86	0.00
35.00	3.70	0.86	0.00
40.00	3.70	0.86	0.00
45.00	3.70	0.86	0.00
50.00	3.70	0.86	0.00
55.00	3.70	0.86	0.00
60.00	3.70	0.86	0.00
65.00	3.70	0.86	0.00
70.00	3.70	0.86	0.00
75.00	3.70	0.86	0.00
80.00	3.70	0.86	0.00
85.00	3.70	0.86	0.00
90.00	3.70	0.86	0.00
95.00	3.70	0.86	0.00
100.00	3.70	0.86	0.00
105.00	3.70	0.86	0.00
110.00	3.70	0.86	0.00
115.00	3.70	0.86	0.00
120.00	3.70	0.86	0.00
125.00	3.70	0.86	0.00
130.00	3.70	0.86	0.00
135.00	3.70	0.86	0.00
140.00	3.70	0.86	0.00
145.00	3.70	0.86	0.00
150.00	3.70	0.86	0.00
155.00	3.70	0.86	0.00
160.00	3.70	0.86	0.00
165.00	3.70	0.86	0.00
170.00	3.70	0.86	0.00
175.00	3.70	0.86	0.00
180.00	3.70	0.86	0.00
185.00	3.70	0.86	0.00
190.00	3.70	0.86	0.00
195.00	3.70	0.86	0.00
200.00	3.70	0.86	0.00
205.00	3.70	0.86	0.00
210.00	3.70	0.86	0.00
215.00	3.70	0.86	0.00
220.00	3.70	0.86	0.00
225.00	3.70	0.86	0.00
230.00	3.70	0.86	0.00
235.00	3.70	0.86	0.00
240.00	3.70	0.86	0.00
245.00	3.70	0.86	0.00
250.00	3.70	0.86	0.00
255.00	3.70	0.86	0.00
260.00	3.70	0.86	0.00
265.00	3.70	0.86	0.00
270.00	3.70	0.86	0.00
275.00	3.70	0.86	0.00
280.00	3.70	0.86	0.00
285.00	3.70	0.86	0.00
290.00	3.70	0.86	0.00
295.00	3.70	0.86	0.00
300.00	3.70	0.86	0.00
305.00	3.70	0.86	0.00
310.00	3.70	0.86	0.00
315.00	3.70	0.86	0.00
320.00	3.70	0.86	0.00
325.00	3.70	0.86	0.00
330.00	3.70	0.86	0.00
335.00	3.70	0.86	0.00
340.00	3.70	0.86	0.00
345.00	3.70	0.86	0.00
350.00	3.70	0.86	0.00
355.00	3.70	0.86	0.00
360.00	3.70	0.86	0.00
365.00	3.70	0.86	0.00
370.00	3.70	0.86	0.00
375.00	3.70	0.86	0.00
380.00	3.70	0.86	0.00
385.00	3.70	0.86	0.00
390.00	3.70	0.86	0.00
395.00	3.70	0.86	0.00
400.00	3.70	0.86	0.00
405.00	3.70	0.86	0.00
410.00	3.70	0.86	0.00
415.00	3.70	0.86	0.00
420.00	3.70	0.86	0.00
425.00	3.70	0.86	0.00
430.00	3.70	0.86	0.00
435.00	3.70	0.86	0.00
440.00	3.70	0.86	0.00
445.00	3.70	0.86	0.00
450.00	3.70	0.86	0.00
455.00	3.70	0.86	0.00
460.00	3.70	0.86	0.00
465.00	3.70	0.86	0.00
470.00	3.70	0.86	0.00
475.00	3.70	0.86	0.00
480.00	3.70	0.86	0.00
485.00	3.70	0.86	0.00
490.00	3.70	0.86	0.00
495.00	3.70	0.86	0.00
500.00	3.70	0.86	0.00

Summary for Subcatchment 2: Pre - West

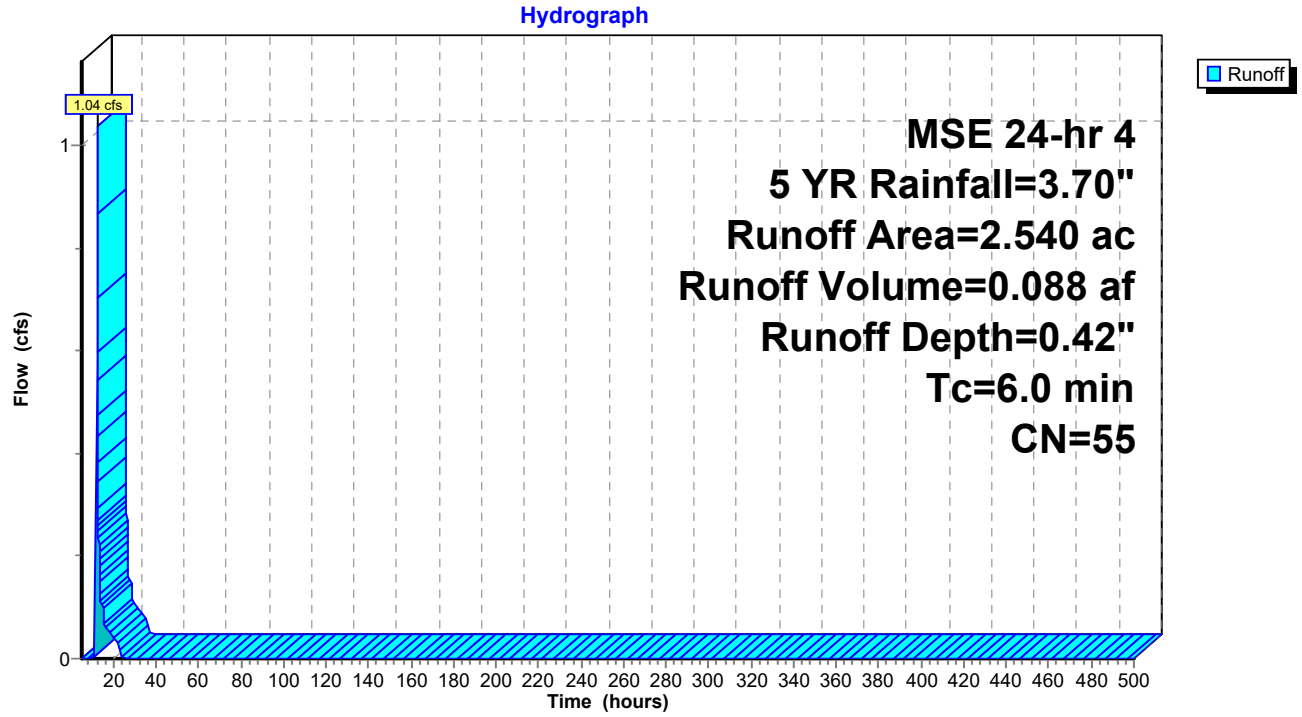
Runoff = 1.04 cfs @ 12.16 hrs, Volume= 0.088 af, Depth= 0.42"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	2.540	55	Pre Dev - B Soils
	2.540		100.00% Pervious Area

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

Subcatchment 2: Pre - West



Hydrograph for Subcatchment 2: Pre - West

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	0.42	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	0.42	0.00
15.00	3.25	0.27	**0.10**	270.00	3.70	0.42	0.00
20.00	**3.58**	**0.37**	0.04	275.00	3.70	0.42	0.00
25.00	**3.70**	**0.42**	0.00	280.00	3.70	0.42	0.00
30.00	3.70	0.42	0.00	285.00	3.70	0.42	0.00
35.00	3.70	0.42	0.00	290.00	3.70	0.42	0.00
40.00	3.70	0.42	0.00	295.00	3.70	0.42	0.00
45.00	3.70	0.42	0.00	300.00	3.70	0.42	0.00
50.00	3.70	0.42	0.00	305.00	3.70	0.42	0.00
55.00	3.70	0.42	0.00	310.00	3.70	0.42	0.00
60.00	3.70	0.42	0.00	315.00	3.70	0.42	0.00
65.00	3.70	0.42	0.00	320.00	3.70	0.42	0.00
70.00	3.70	0.42	0.00	325.00	3.70	0.42	0.00
75.00	3.70	0.42	0.00	330.00	3.70	0.42	0.00
80.00	3.70	0.42	0.00	335.00	3.70	0.42	0.00
85.00	3.70	0.42	0.00	340.00	3.70	0.42	0.00
90.00	3.70	0.42	0.00	345.00	3.70	0.42	0.00
95.00	3.70	0.42	0.00	350.00	3.70	0.42	0.00
100.00	3.70	0.42	0.00	355.00	3.70	0.42	0.00
105.00	3.70	0.42	0.00	360.00	3.70	0.42	0.00
110.00	3.70	0.42	0.00	365.00	3.70	0.42	0.00
115.00	3.70	0.42	0.00	370.00	3.70	0.42	0.00
120.00	3.70	0.42	0.00	375.00	3.70	0.42	0.00
125.00	3.70	0.42	0.00	380.00	3.70	0.42	0.00
130.00	3.70	0.42	0.00	385.00	3.70	0.42	0.00
135.00	3.70	0.42	0.00	390.00	3.70	0.42	0.00
140.00	3.70	0.42	0.00	395.00	3.70	0.42	0.00
145.00	3.70	0.42	0.00	400.00	3.70	0.42	0.00
150.00	3.70	0.42	0.00	405.00	3.70	0.42	0.00
155.00	3.70	0.42	0.00	410.00	3.70	0.42	0.00
160.00	3.70	0.42	0.00	415.00	3.70	0.42	0.00
165.00	3.70	0.42	0.00	420.00	3.70	0.42	0.00
170.00	3.70	0.42	0.00	425.00	3.70	0.42	0.00
175.00	3.70	0.42	0.00	430.00	3.70	0.42	0.00
180.00	3.70	0.42	0.00	435.00	3.70	0.42	0.00
185.00	3.70	0.42	0.00	440.00	3.70	0.42	0.00
190.00	3.70	0.42	0.00	445.00	3.70	0.42	0.00
195.00	3.70	0.42	0.00	450.00	3.70	0.42	0.00
200.00	3.70	0.42	0.00	455.00	3.70	0.42	0.00
205.00	3.70	0.42	0.00	460.00	3.70	0.42	0.00
210.00	3.70	0.42	0.00	465.00	3.70	0.42	0.00
215.00	3.70	0.42	0.00	470.00	3.70	0.42	0.00
220.00	3.70	0.42	0.00	475.00	3.70	0.42	0.00
225.00	3.70	0.42	0.00	480.00	3.70	0.42	0.00
230.00	3.70	0.42	0.00	485.00	3.70	0.42	0.00
235.00	3.70	0.42	0.00	490.00	3.70	0.42	0.00
240.00	3.70	0.42	0.00	495.00	3.70	0.42	0.00
245.00	3.70	0.42	0.00	500.00	3.70	0.42	0.00
250.00	3.70	0.42	0.00				
255.00	3.70	0.42	0.00				

Summary for Subcatchment 2A: Post 2A - Offsite

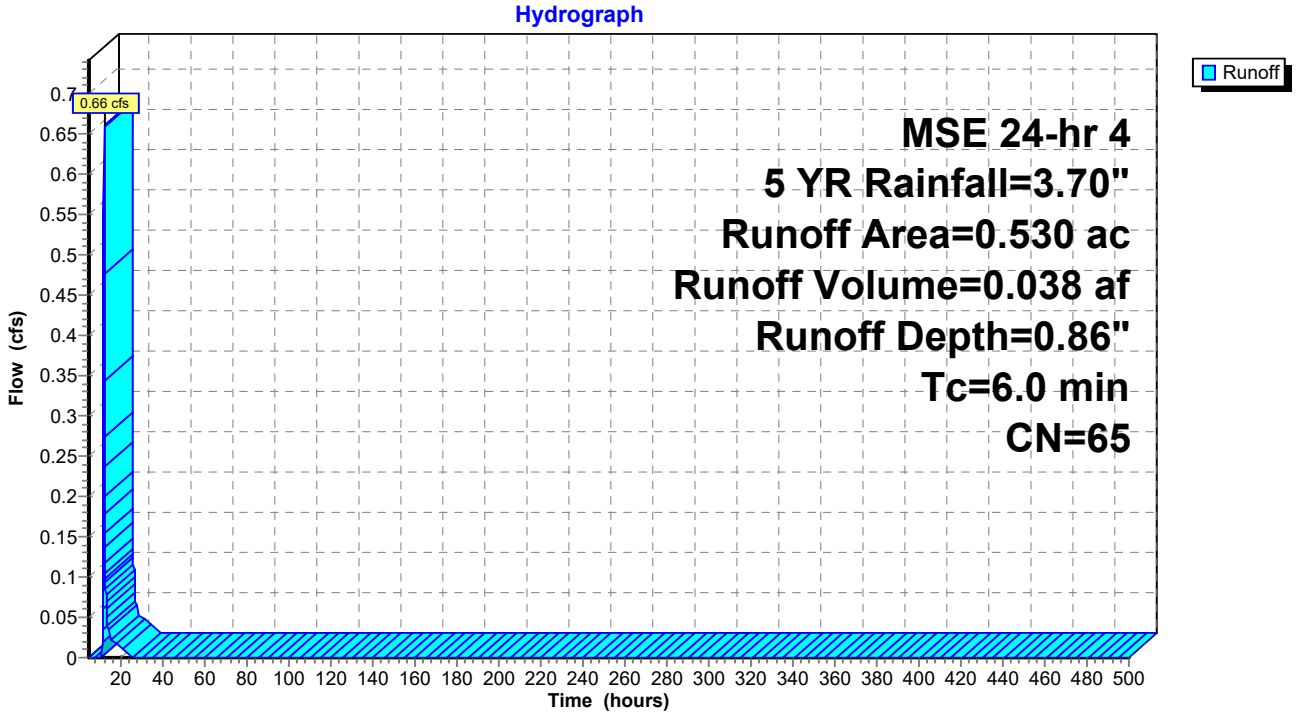
Runoff = 0.66 cfs @ 12.14 hrs, Volume= 0.038 af, Depth= 0.86"
Routed to Link 2L : Total Post - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	0.060	98	Impervious
*	0.470	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.530	65	Weighted Average
	0.470		88.68% Pervious Area
	0.060		11.32% Impervious Area

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

Subcatchment 2A: Post 2A - Offsite



Hydrograph for Subcatchment 2A: Post 2A - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	0.86	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	0.86	0.00
15.00	3.25	0.63	**0.03**	270.00	3.70	0.86	0.00
20.00	**3.58**	**0.79**	0.01	275.00	3.70	0.86	0.00
25.00	**3.70**	**0.86**	0.00	280.00	3.70	0.86	0.00
30.00	3.70	0.86	0.00	285.00	3.70	0.86	0.00
35.00	3.70	0.86	0.00	290.00	3.70	0.86	0.00
40.00	3.70	0.86	0.00	295.00	3.70	0.86	0.00
45.00	3.70	0.86	0.00	300.00	3.70	0.86	0.00
50.00	3.70	0.86	0.00	305.00	3.70	0.86	0.00
55.00	3.70	0.86	0.00	310.00	3.70	0.86	0.00
60.00	3.70	0.86	0.00	315.00	3.70	0.86	0.00
65.00	3.70	0.86	0.00	320.00	3.70	0.86	0.00
70.00	3.70	0.86	0.00	325.00	3.70	0.86	0.00
75.00	3.70	0.86	0.00	330.00	3.70	0.86	0.00
80.00	3.70	0.86	0.00	335.00	3.70	0.86	0.00
85.00	3.70	0.86	0.00	340.00	3.70	0.86	0.00
90.00	3.70	0.86	0.00	345.00	3.70	0.86	0.00
95.00	3.70	0.86	0.00	350.00	3.70	0.86	0.00
100.00	3.70	0.86	0.00	355.00	3.70	0.86	0.00
105.00	3.70	0.86	0.00	360.00	3.70	0.86	0.00
110.00	3.70	0.86	0.00	365.00	3.70	0.86	0.00
115.00	3.70	0.86	0.00	370.00	3.70	0.86	0.00
120.00	3.70	0.86	0.00	375.00	3.70	0.86	0.00
125.00	3.70	0.86	0.00	380.00	3.70	0.86	0.00
130.00	3.70	0.86	0.00	385.00	3.70	0.86	0.00
135.00	3.70	0.86	0.00	390.00	3.70	0.86	0.00
140.00	3.70	0.86	0.00	395.00	3.70	0.86	0.00
145.00	3.70	0.86	0.00	400.00	3.70	0.86	0.00
150.00	3.70	0.86	0.00	405.00	3.70	0.86	0.00
155.00	3.70	0.86	0.00	410.00	3.70	0.86	0.00
160.00	3.70	0.86	0.00	415.00	3.70	0.86	0.00
165.00	3.70	0.86	0.00	420.00	3.70	0.86	0.00
170.00	3.70	0.86	0.00	425.00	3.70	0.86	0.00
175.00	3.70	0.86	0.00	430.00	3.70	0.86	0.00
180.00	3.70	0.86	0.00	435.00	3.70	0.86	0.00
185.00	3.70	0.86	0.00	440.00	3.70	0.86	0.00
190.00	3.70	0.86	0.00	445.00	3.70	0.86	0.00
195.00	3.70	0.86	0.00	450.00	3.70	0.86	0.00
200.00	3.70	0.86	0.00	455.00	3.70	0.86	0.00
205.00	3.70	0.86	0.00	460.00	3.70	0.86	0.00
210.00	3.70	0.86	0.00	465.00	3.70	0.86	0.00
215.00	3.70	0.86	0.00	470.00	3.70	0.86	0.00
220.00	3.70	0.86	0.00	475.00	3.70	0.86	0.00
225.00	3.70	0.86	0.00	480.00	3.70	0.86	0.00
230.00	3.70	0.86	0.00	485.00	3.70	0.86	0.00
235.00	3.70	0.86	0.00	490.00	3.70	0.86	0.00
240.00	3.70	0.86	0.00	495.00	3.70	0.86	0.00
245.00	3.70	0.86	0.00	500.00	3.70	0.86	0.00
250.00	3.70	0.86	0.00				
255.00	3.70	0.86	0.00				

Summary for Subcatchment 3: Pre - North

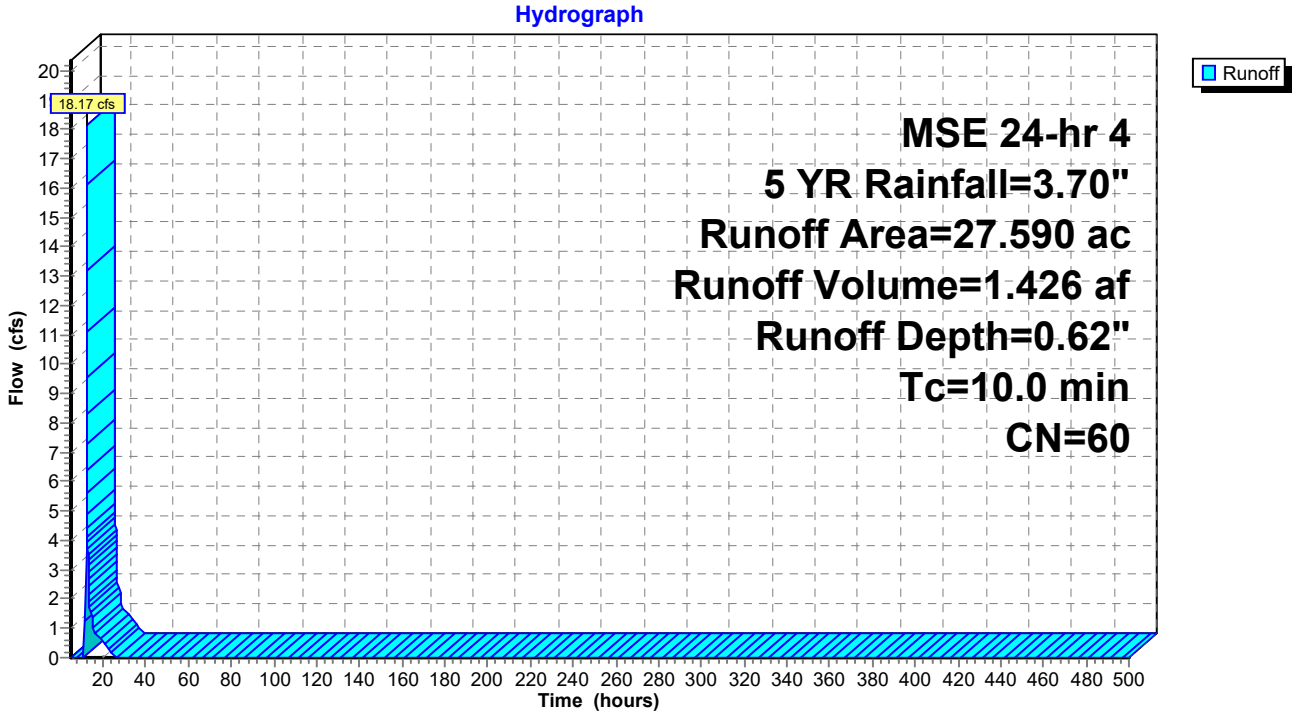
Runoff = 18.17 cfs @ 12.20 hrs, Volume= 1.426 af, Depth= 0.62"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	18.190	55	Pre Dev - B Soils
*	9.400	70	Pre Dev - C Soils
	27.590	60	Weighted Average
	27.590		100.00% Pervious Area

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

Subcatchment 3: Pre - North



Hydrograph for Subcatchment 3: Pre - North

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00
10.00	0.59	0.00	**0.00**
15.00	3.25	0.43	**1.45**
20.00	**3.58**	**0.57**	0.58
25.00	**3.70**	**0.62**	0.00
30.00	3.70	0.62	0.00
35.00	3.70	0.62	0.00
40.00	3.70	0.62	0.00
45.00	3.70	0.62	0.00
50.00	3.70	0.62	0.00
55.00	3.70	0.62	0.00
60.00	3.70	0.62	0.00
65.00	3.70	0.62	0.00
70.00	3.70	0.62	0.00
75.00	3.70	0.62	0.00
80.00	3.70	0.62	0.00
85.00	3.70	0.62	0.00
90.00	3.70	0.62	0.00
95.00	3.70	0.62	0.00
100.00	3.70	0.62	0.00
105.00	3.70	0.62	0.00
110.00	3.70	0.62	0.00
115.00	3.70	0.62	0.00
120.00	3.70	0.62	0.00
125.00	3.70	0.62	0.00
130.00	3.70	0.62	0.00
135.00	3.70	0.62	0.00
140.00	3.70	0.62	0.00
145.00	3.70	0.62	0.00
150.00	3.70	0.62	0.00
155.00	3.70	0.62	0.00
160.00	3.70	0.62	0.00
165.00	3.70	0.62	0.00
170.00	3.70	0.62	0.00
175.00	3.70	0.62	0.00
180.00	3.70	0.62	0.00
185.00	3.70	0.62	0.00
190.00	3.70	0.62	0.00
195.00	3.70	0.62	0.00
200.00	3.70	0.62	0.00
205.00	3.70	0.62	0.00
210.00	3.70	0.62	0.00
215.00	3.70	0.62	0.00
220.00	3.70	0.62	0.00
225.00	3.70	0.62	0.00
230.00	3.70	0.62	0.00
235.00	3.70	0.62	0.00
240.00	3.70	0.62	0.00
245.00	3.70	0.62	0.00
250.00	3.70	0.62	0.00
255.00	3.70	0.62	0.00
260.00	3.70	0.62	0.00
265.00	3.70	0.62	0.00
270.00	3.70	0.62	0.00
275.00	3.70	0.62	0.00
280.00	3.70	0.62	0.00
285.00	3.70	0.62	0.00
290.00	3.70	0.62	0.00
295.00	3.70	0.62	0.00
300.00	3.70	0.62	0.00
305.00	3.70	0.62	0.00
310.00	3.70	0.62	0.00
315.00	3.70	0.62	0.00
320.00	3.70	0.62	0.00
325.00	3.70	0.62	0.00
330.00	3.70	0.62	0.00
335.00	3.70	0.62	0.00
340.00	3.70	0.62	0.00
345.00	3.70	0.62	0.00
350.00	3.70	0.62	0.00
355.00	3.70	0.62	0.00
360.00	3.70	0.62	0.00
365.00	3.70	0.62	0.00
370.00	3.70	0.62	0.00
375.00	3.70	0.62	0.00
380.00	3.70	0.62	0.00
385.00	3.70	0.62	0.00
390.00	3.70	0.62	0.00
395.00	3.70	0.62	0.00
400.00	3.70	0.62	0.00
405.00	3.70	0.62	0.00
410.00	3.70	0.62	0.00
415.00	3.70	0.62	0.00
420.00	3.70	0.62	0.00
425.00	3.70	0.62	0.00
430.00	3.70	0.62	0.00
435.00	3.70	0.62	0.00
440.00	3.70	0.62	0.00
445.00	3.70	0.62	0.00
450.00	3.70	0.62	0.00
455.00	3.70	0.62	0.00
460.00	3.70	0.62	0.00
465.00	3.70	0.62	0.00
470.00	3.70	0.62	0.00
475.00	3.70	0.62	0.00
480.00	3.70	0.62	0.00
485.00	3.70	0.62	0.00
490.00	3.70	0.62	0.00
495.00	3.70	0.62	0.00
500.00	3.70	0.62	0.00

Summary for Subcatchment 3A: Post 3A

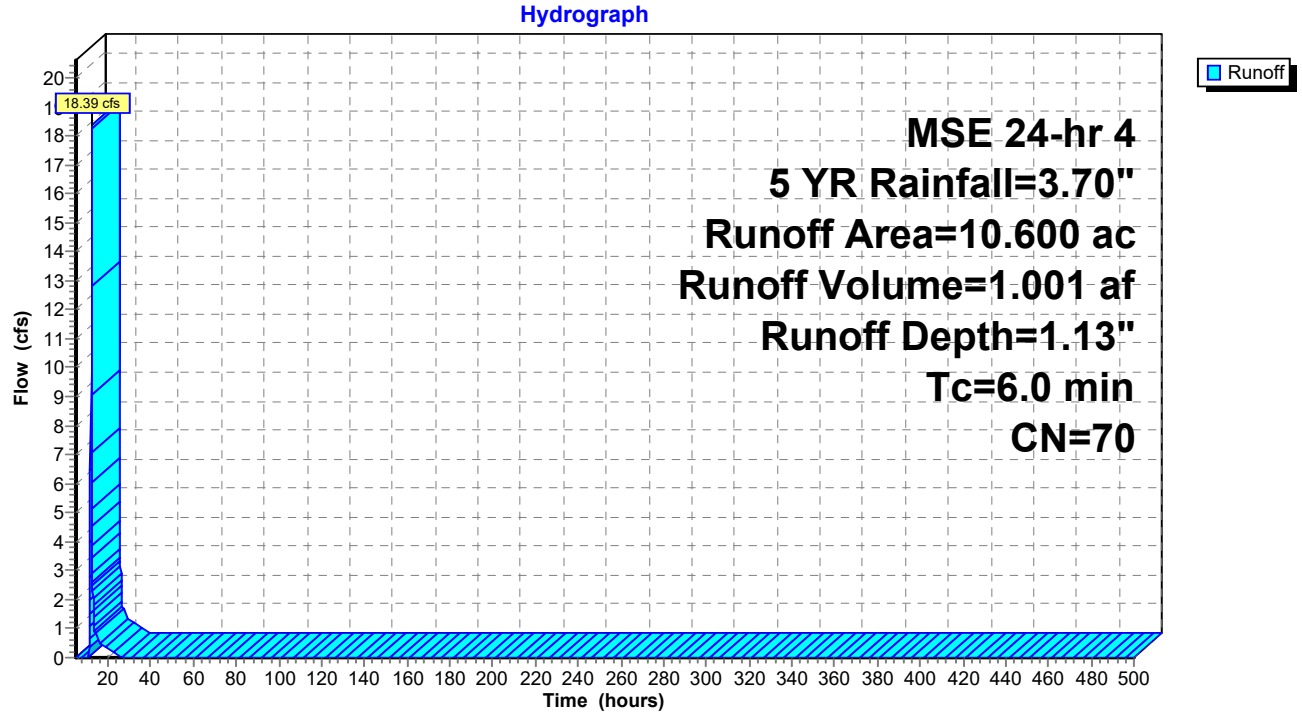
Runoff = 18.39 cfs @ 12.14 hrs, Volume= 1.001 af, Depth= 1.13"
Routed to Pond P3A : Pond 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	1.970	98	Impervious
*	6.570	61	Post - B Soils
*	2.060	74	Post - C Soils
	10.600	70	Weighted Average
	8.630		81.42% Pervious Area
	1.970		18.58% Impervious Area

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

Subcatchment 3A: Post 3A



Hydrograph for Subcatchment 3A: Post 3A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	1.13	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	1.13	0.00
15.00	3.25	0.86	**0.82**	270.00	3.70	1.13	0.00
20.00	**3.58**	**1.06**	0.31	275.00	3.70	1.13	0.00
25.00	**3.70**	**1.13**	0.00	280.00	3.70	1.13	0.00
30.00	3.70	1.13	0.00	285.00	3.70	1.13	0.00
35.00	3.70	1.13	0.00	290.00	3.70	1.13	0.00
40.00	3.70	1.13	0.00	295.00	3.70	1.13	0.00
45.00	3.70	1.13	0.00	300.00	3.70	1.13	0.00
50.00	3.70	1.13	0.00	305.00	3.70	1.13	0.00
55.00	3.70	1.13	0.00	310.00	3.70	1.13	0.00
60.00	3.70	1.13	0.00	315.00	3.70	1.13	0.00
65.00	3.70	1.13	0.00	320.00	3.70	1.13	0.00
70.00	3.70	1.13	0.00	325.00	3.70	1.13	0.00
75.00	3.70	1.13	0.00	330.00	3.70	1.13	0.00
80.00	3.70	1.13	0.00	335.00	3.70	1.13	0.00
85.00	3.70	1.13	0.00	340.00	3.70	1.13	0.00
90.00	3.70	1.13	0.00	345.00	3.70	1.13	0.00
95.00	3.70	1.13	0.00	350.00	3.70	1.13	0.00
100.00	3.70	1.13	0.00	355.00	3.70	1.13	0.00
105.00	3.70	1.13	0.00	360.00	3.70	1.13	0.00
110.00	3.70	1.13	0.00	365.00	3.70	1.13	0.00
115.00	3.70	1.13	0.00	370.00	3.70	1.13	0.00
120.00	3.70	1.13	0.00	375.00	3.70	1.13	0.00
125.00	3.70	1.13	0.00	380.00	3.70	1.13	0.00
130.00	3.70	1.13	0.00	385.00	3.70	1.13	0.00
135.00	3.70	1.13	0.00	390.00	3.70	1.13	0.00
140.00	3.70	1.13	0.00	395.00	3.70	1.13	0.00
145.00	3.70	1.13	0.00	400.00	3.70	1.13	0.00
150.00	3.70	1.13	0.00	405.00	3.70	1.13	0.00
155.00	3.70	1.13	0.00	410.00	3.70	1.13	0.00
160.00	3.70	1.13	0.00	415.00	3.70	1.13	0.00
165.00	3.70	1.13	0.00	420.00	3.70	1.13	0.00
170.00	3.70	1.13	0.00	425.00	3.70	1.13	0.00
175.00	3.70	1.13	0.00	430.00	3.70	1.13	0.00
180.00	3.70	1.13	0.00	435.00	3.70	1.13	0.00
185.00	3.70	1.13	0.00	440.00	3.70	1.13	0.00
190.00	3.70	1.13	0.00	445.00	3.70	1.13	0.00
195.00	3.70	1.13	0.00	450.00	3.70	1.13	0.00
200.00	3.70	1.13	0.00	455.00	3.70	1.13	0.00
205.00	3.70	1.13	0.00	460.00	3.70	1.13	0.00
210.00	3.70	1.13	0.00	465.00	3.70	1.13	0.00
215.00	3.70	1.13	0.00	470.00	3.70	1.13	0.00
220.00	3.70	1.13	0.00	475.00	3.70	1.13	0.00
225.00	3.70	1.13	0.00	480.00	3.70	1.13	0.00
230.00	3.70	1.13	0.00	485.00	3.70	1.13	0.00
235.00	3.70	1.13	0.00	490.00	3.70	1.13	0.00
240.00	3.70	1.13	0.00	495.00	3.70	1.13	0.00
245.00	3.70	1.13	0.00	500.00	3.70	1.13	0.00
250.00	3.70	1.13	0.00				
255.00	3.70	1.13	0.00				

Summary for Subcatchment 3B: Post 3B

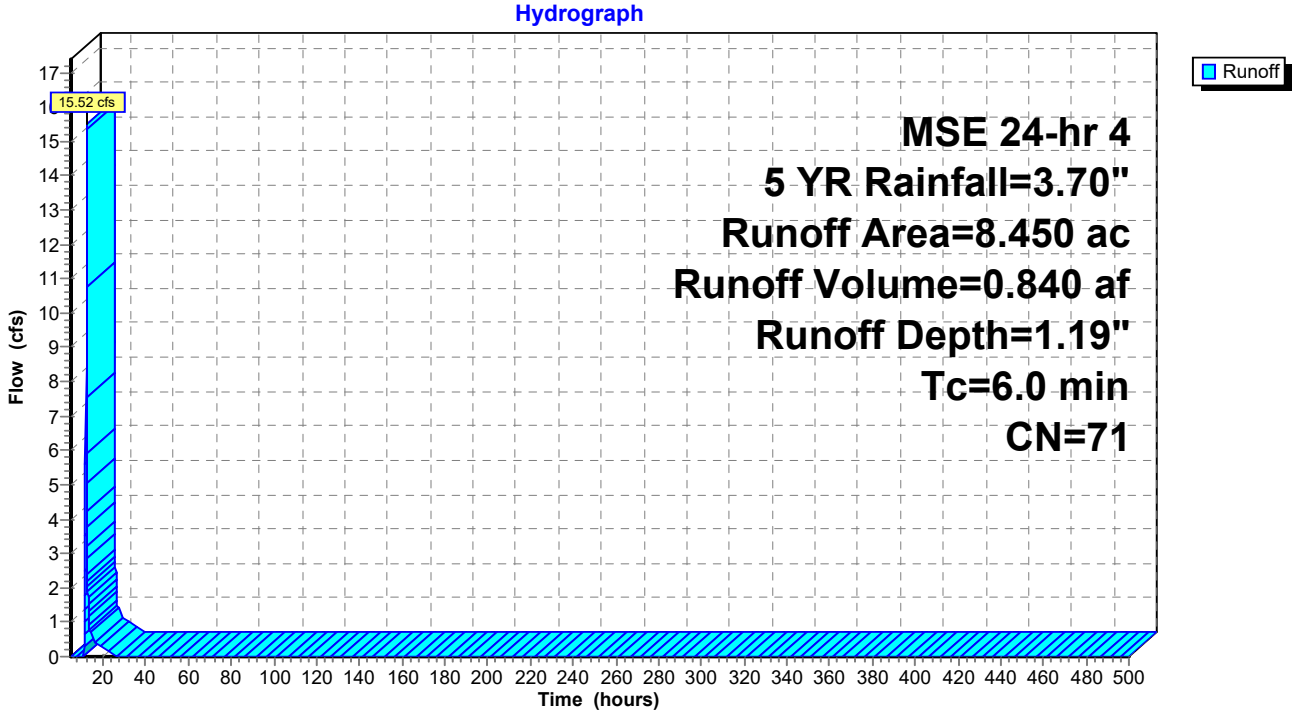
Runoff = 15.52 cfs @ 12.14 hrs, Volume= 0.840 af, Depth= 1.19"
Routed to Pond P3B : Pond 3B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	1.680	98	Impervious
*	5.290	61	Post - B Soils
*	1.480	74	Post - C Soils
	8.450	71	Weighted Average
	6.770		80.12% Pervious Area
	1.680		19.88% Impervious Area

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

Subcatchment 3B: Post 3B



Hydrograph for Subcatchment 3B: Post 3B

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00
10.00	0.59	0.00	**0.00**
15.00	3.25	0.91	**0.68**
20.00	**3.58**	**1.11**	0.26
25.00	**3.70**	**1.19**	0.00
30.00	3.70	1.19	0.00
35.00	3.70	1.19	0.00
40.00	3.70	1.19	0.00
45.00	3.70	1.19	0.00
50.00	3.70	1.19	0.00
55.00	3.70	1.19	0.00
60.00	3.70	1.19	0.00
65.00	3.70	1.19	0.00
70.00	3.70	1.19	0.00
75.00	3.70	1.19	0.00
80.00	3.70	1.19	0.00
85.00	3.70	1.19	0.00
90.00	3.70	1.19	0.00
95.00	3.70	1.19	0.00
100.00	3.70	1.19	0.00
105.00	3.70	1.19	0.00
110.00	3.70	1.19	0.00
115.00	3.70	1.19	0.00
120.00	3.70	1.19	0.00
125.00	3.70	1.19	0.00
130.00	3.70	1.19	0.00
135.00	3.70	1.19	0.00
140.00	3.70	1.19	0.00
145.00	3.70	1.19	0.00
150.00	3.70	1.19	0.00
155.00	3.70	1.19	0.00
160.00	3.70	1.19	0.00
165.00	3.70	1.19	0.00
170.00	3.70	1.19	0.00
175.00	3.70	1.19	0.00
180.00	3.70	1.19	0.00
185.00	3.70	1.19	0.00
190.00	3.70	1.19	0.00
195.00	3.70	1.19	0.00
200.00	3.70	1.19	0.00
205.00	3.70	1.19	0.00
210.00	3.70	1.19	0.00
215.00	3.70	1.19	0.00
220.00	3.70	1.19	0.00
225.00	3.70	1.19	0.00
230.00	3.70	1.19	0.00
235.00	3.70	1.19	0.00
240.00	3.70	1.19	0.00
245.00	3.70	1.19	0.00
250.00	3.70	1.19	0.00
255.00	3.70	1.19	0.00
260.00	3.70	1.19	0.00
265.00	3.70	1.19	0.00
270.00	3.70	1.19	0.00
275.00	3.70	1.19	0.00
280.00	3.70	1.19	0.00
285.00	3.70	1.19	0.00
290.00	3.70	1.19	0.00
295.00	3.70	1.19	0.00
300.00	3.70	1.19	0.00
305.00	3.70	1.19	0.00
310.00	3.70	1.19	0.00
315.00	3.70	1.19	0.00
320.00	3.70	1.19	0.00
325.00	3.70	1.19	0.00
330.00	3.70	1.19	0.00
335.00	3.70	1.19	0.00
340.00	3.70	1.19	0.00
345.00	3.70	1.19	0.00
350.00	3.70	1.19	0.00
355.00	3.70	1.19	0.00
360.00	3.70	1.19	0.00
365.00	3.70	1.19	0.00
370.00	3.70	1.19	0.00
375.00	3.70	1.19	0.00
380.00	3.70	1.19	0.00
385.00	3.70	1.19	0.00
390.00	3.70	1.19	0.00
395.00	3.70	1.19	0.00
400.00	3.70	1.19	0.00
405.00	3.70	1.19	0.00
410.00	3.70	1.19	0.00
415.00	3.70	1.19	0.00
420.00	3.70	1.19	0.00
425.00	3.70	1.19	0.00
430.00	3.70	1.19	0.00
435.00	3.70	1.19	0.00
440.00	3.70	1.19	0.00
445.00	3.70	1.19	0.00
450.00	3.70	1.19	0.00
455.00	3.70	1.19	0.00
460.00	3.70	1.19	0.00
465.00	3.70	1.19	0.00
470.00	3.70	1.19	0.00
475.00	3.70	1.19	0.00
480.00	3.70	1.19	0.00
485.00	3.70	1.19	0.00
490.00	3.70	1.19	0.00
495.00	3.70	1.19	0.00
500.00	3.70	1.19	0.00

Summary for Subcatchment 3C: Post 3C

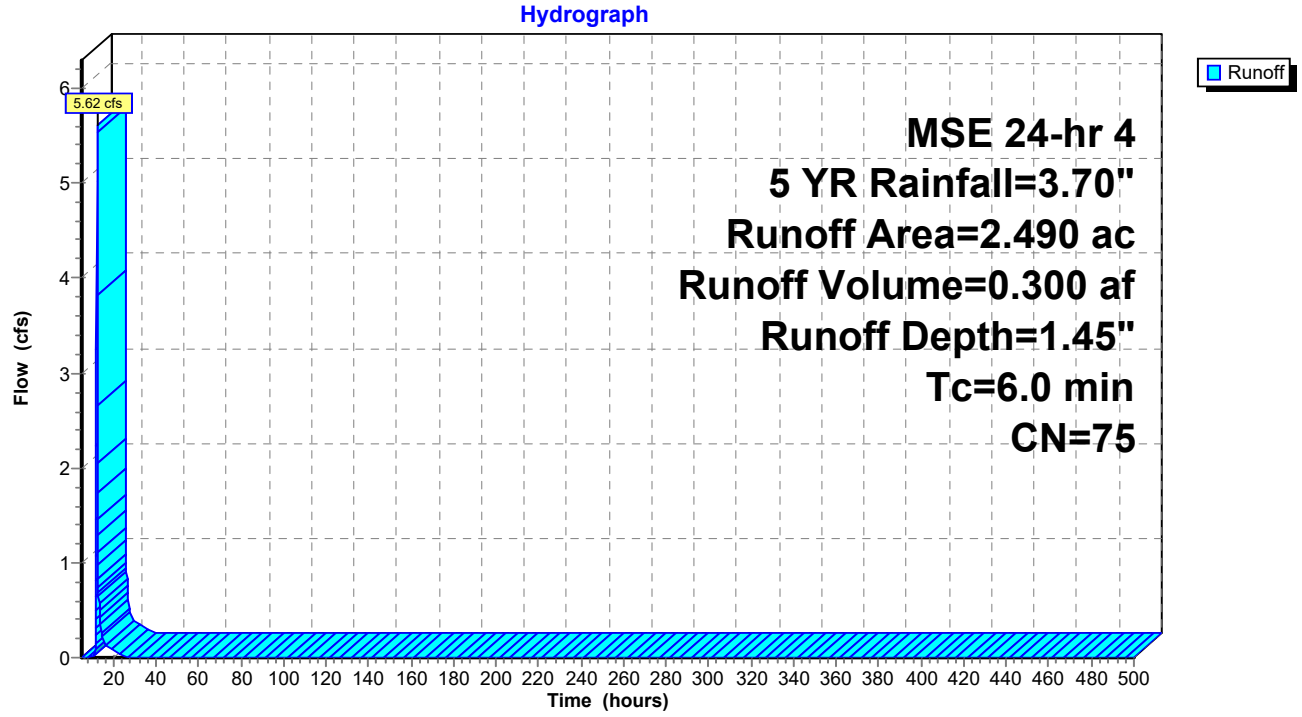
Runoff = 5.62 cfs @ 12.14 hrs, Volume= 0.300 af, Depth= 1.45"
Routed to Pond P3C : Pond 3C

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.800	61	Post - B Soils
*	1.120	74	Post - C Soils
	2.490	75	Weighted Average
	1.920		77.11% Pervious Area
	0.570		22.89% Impervious Area

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

Subcatchment 3C: Post 3C



Hydrograph for Subcatchment 3C: Post 3C

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	1.45	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	1.45	0.00
15.00	3.25	1.13	**0.22**	270.00	3.70	1.45	0.00
20.00	**3.58**	**1.36**	0.08	275.00	3.70	1.45	0.00
25.00	**3.70**	**1.45**	0.00	280.00	3.70	1.45	0.00
30.00	3.70	1.45	0.00	285.00	3.70	1.45	0.00
35.00	3.70	1.45	0.00	290.00	3.70	1.45	0.00
40.00	3.70	1.45	0.00	295.00	3.70	1.45	0.00
45.00	3.70	1.45	0.00	300.00	3.70	1.45	0.00
50.00	3.70	1.45	0.00	305.00	3.70	1.45	0.00
55.00	3.70	1.45	0.00	310.00	3.70	1.45	0.00
60.00	3.70	1.45	0.00	315.00	3.70	1.45	0.00
65.00	3.70	1.45	0.00	320.00	3.70	1.45	0.00
70.00	3.70	1.45	0.00	325.00	3.70	1.45	0.00
75.00	3.70	1.45	0.00	330.00	3.70	1.45	0.00
80.00	3.70	1.45	0.00	335.00	3.70	1.45	0.00
85.00	3.70	1.45	0.00	340.00	3.70	1.45	0.00
90.00	3.70	1.45	0.00	345.00	3.70	1.45	0.00
95.00	3.70	1.45	0.00	350.00	3.70	1.45	0.00
100.00	3.70	1.45	0.00	355.00	3.70	1.45	0.00
105.00	3.70	1.45	0.00	360.00	3.70	1.45	0.00
110.00	3.70	1.45	0.00	365.00	3.70	1.45	0.00
115.00	3.70	1.45	0.00	370.00	3.70	1.45	0.00
120.00	3.70	1.45	0.00	375.00	3.70	1.45	0.00
125.00	3.70	1.45	0.00	380.00	3.70	1.45	0.00
130.00	3.70	1.45	0.00	385.00	3.70	1.45	0.00
135.00	3.70	1.45	0.00	390.00	3.70	1.45	0.00
140.00	3.70	1.45	0.00	395.00	3.70	1.45	0.00
145.00	3.70	1.45	0.00	400.00	3.70	1.45	0.00
150.00	3.70	1.45	0.00	405.00	3.70	1.45	0.00
155.00	3.70	1.45	0.00	410.00	3.70	1.45	0.00
160.00	3.70	1.45	0.00	415.00	3.70	1.45	0.00
165.00	3.70	1.45	0.00	420.00	3.70	1.45	0.00
170.00	3.70	1.45	0.00	425.00	3.70	1.45	0.00
175.00	3.70	1.45	0.00	430.00	3.70	1.45	0.00
180.00	3.70	1.45	0.00	435.00	3.70	1.45	0.00
185.00	3.70	1.45	0.00	440.00	3.70	1.45	0.00
190.00	3.70	1.45	0.00	445.00	3.70	1.45	0.00
195.00	3.70	1.45	0.00	450.00	3.70	1.45	0.00
200.00	3.70	1.45	0.00	455.00	3.70	1.45	0.00
205.00	3.70	1.45	0.00	460.00	3.70	1.45	0.00
210.00	3.70	1.45	0.00	465.00	3.70	1.45	0.00
215.00	3.70	1.45	0.00	470.00	3.70	1.45	0.00
220.00	3.70	1.45	0.00	475.00	3.70	1.45	0.00
225.00	3.70	1.45	0.00	480.00	3.70	1.45	0.00
230.00	3.70	1.45	0.00	485.00	3.70	1.45	0.00
235.00	3.70	1.45	0.00	490.00	3.70	1.45	0.00
240.00	3.70	1.45	0.00	495.00	3.70	1.45	0.00
245.00	3.70	1.45	0.00	500.00	3.70	1.45	0.00
250.00	3.70	1.45	0.00				
255.00	3.70	1.45	0.00				

Summary for Subcatchment 3D: Post 3D

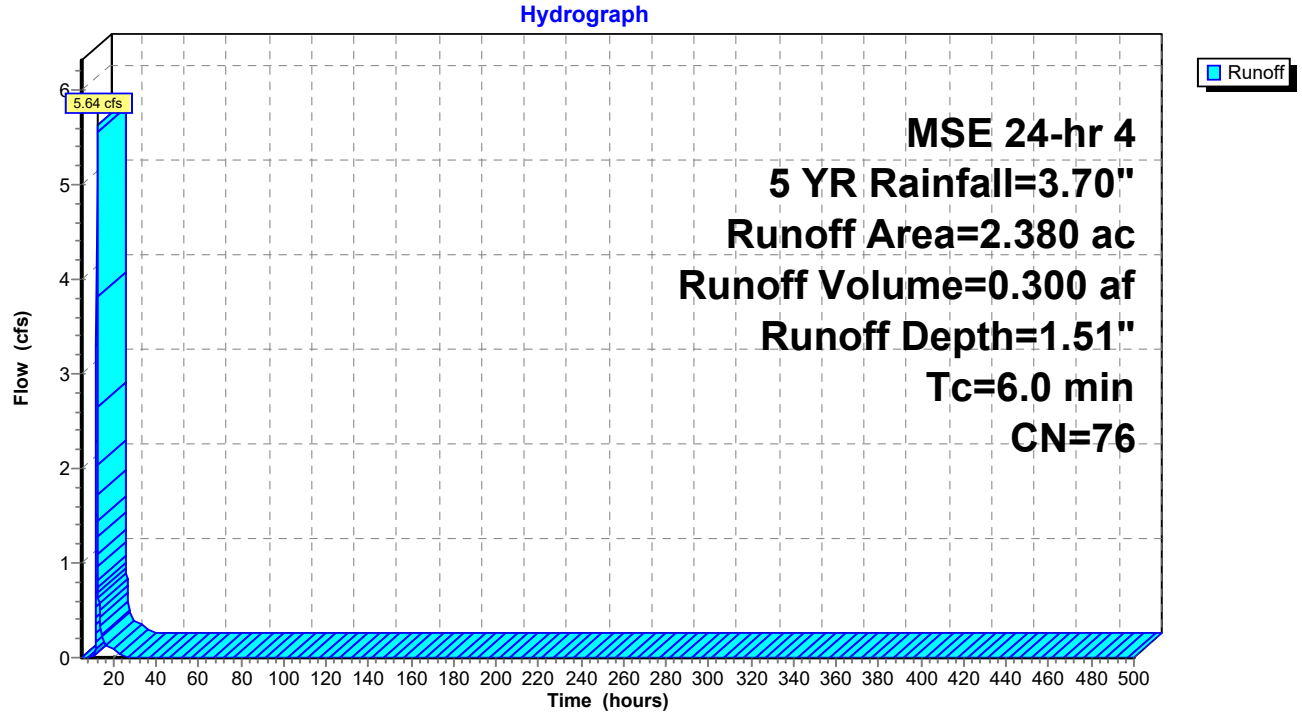
Runoff = 5.64 cfs @ 12.14 hrs, Volume= 0.300 af, Depth= 1.51"
Routed to Pond P3D : Pond 3D

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.610	61	Post - B Soils
*	1.200	74	Post - C Soils
	2.380	76	Weighted Average
	1.810		76.05% Pervious Area
	0.570		23.95% Impervious Area

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

Subcatchment 3D: Post 3D



Hydrograph for Subcatchment 3D: Post 3D

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	1.51	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	1.51	0.00
15.00	3.25	1.19	**0.22**	270.00	3.70	1.51	0.00
20.00	**3.58**	**1.42**	0.08	275.00	3.70	1.51	0.00
25.00	**3.70**	**1.51**	0.00	280.00	3.70	1.51	0.00
30.00	3.70	1.51	0.00	285.00	3.70	1.51	0.00
35.00	3.70	1.51	0.00	290.00	3.70	1.51	0.00
40.00	3.70	1.51	0.00	295.00	3.70	1.51	0.00
45.00	3.70	1.51	0.00	300.00	3.70	1.51	0.00
50.00	3.70	1.51	0.00	305.00	3.70	1.51	0.00
55.00	3.70	1.51	0.00	310.00	3.70	1.51	0.00
60.00	3.70	1.51	0.00	315.00	3.70	1.51	0.00
65.00	3.70	1.51	0.00	320.00	3.70	1.51	0.00
70.00	3.70	1.51	0.00	325.00	3.70	1.51	0.00
75.00	3.70	1.51	0.00	330.00	3.70	1.51	0.00
80.00	3.70	1.51	0.00	335.00	3.70	1.51	0.00
85.00	3.70	1.51	0.00	340.00	3.70	1.51	0.00
90.00	3.70	1.51	0.00	345.00	3.70	1.51	0.00
95.00	3.70	1.51	0.00	350.00	3.70	1.51	0.00
100.00	3.70	1.51	0.00	355.00	3.70	1.51	0.00
105.00	3.70	1.51	0.00	360.00	3.70	1.51	0.00
110.00	3.70	1.51	0.00	365.00	3.70	1.51	0.00
115.00	3.70	1.51	0.00	370.00	3.70	1.51	0.00
120.00	3.70	1.51	0.00	375.00	3.70	1.51	0.00
125.00	3.70	1.51	0.00	380.00	3.70	1.51	0.00
130.00	3.70	1.51	0.00	385.00	3.70	1.51	0.00
135.00	3.70	1.51	0.00	390.00	3.70	1.51	0.00
140.00	3.70	1.51	0.00	395.00	3.70	1.51	0.00
145.00	3.70	1.51	0.00	400.00	3.70	1.51	0.00
150.00	3.70	1.51	0.00	405.00	3.70	1.51	0.00
155.00	3.70	1.51	0.00	410.00	3.70	1.51	0.00
160.00	3.70	1.51	0.00	415.00	3.70	1.51	0.00
165.00	3.70	1.51	0.00	420.00	3.70	1.51	0.00
170.00	3.70	1.51	0.00	425.00	3.70	1.51	0.00
175.00	3.70	1.51	0.00	430.00	3.70	1.51	0.00
180.00	3.70	1.51	0.00	435.00	3.70	1.51	0.00
185.00	3.70	1.51	0.00	440.00	3.70	1.51	0.00
190.00	3.70	1.51	0.00	445.00	3.70	1.51	0.00
195.00	3.70	1.51	0.00	450.00	3.70	1.51	0.00
200.00	3.70	1.51	0.00	455.00	3.70	1.51	0.00
205.00	3.70	1.51	0.00	460.00	3.70	1.51	0.00
210.00	3.70	1.51	0.00	465.00	3.70	1.51	0.00
215.00	3.70	1.51	0.00	470.00	3.70	1.51	0.00
220.00	3.70	1.51	0.00	475.00	3.70	1.51	0.00
225.00	3.70	1.51	0.00	480.00	3.70	1.51	0.00
230.00	3.70	1.51	0.00	485.00	3.70	1.51	0.00
235.00	3.70	1.51	0.00	490.00	3.70	1.51	0.00
240.00	3.70	1.51	0.00	495.00	3.70	1.51	0.00
245.00	3.70	1.51	0.00	500.00	3.70	1.51	0.00
250.00	3.70	1.51	0.00				
255.00	3.70	1.51	0.00				

Summary for Subcatchment 3E: Post 3E

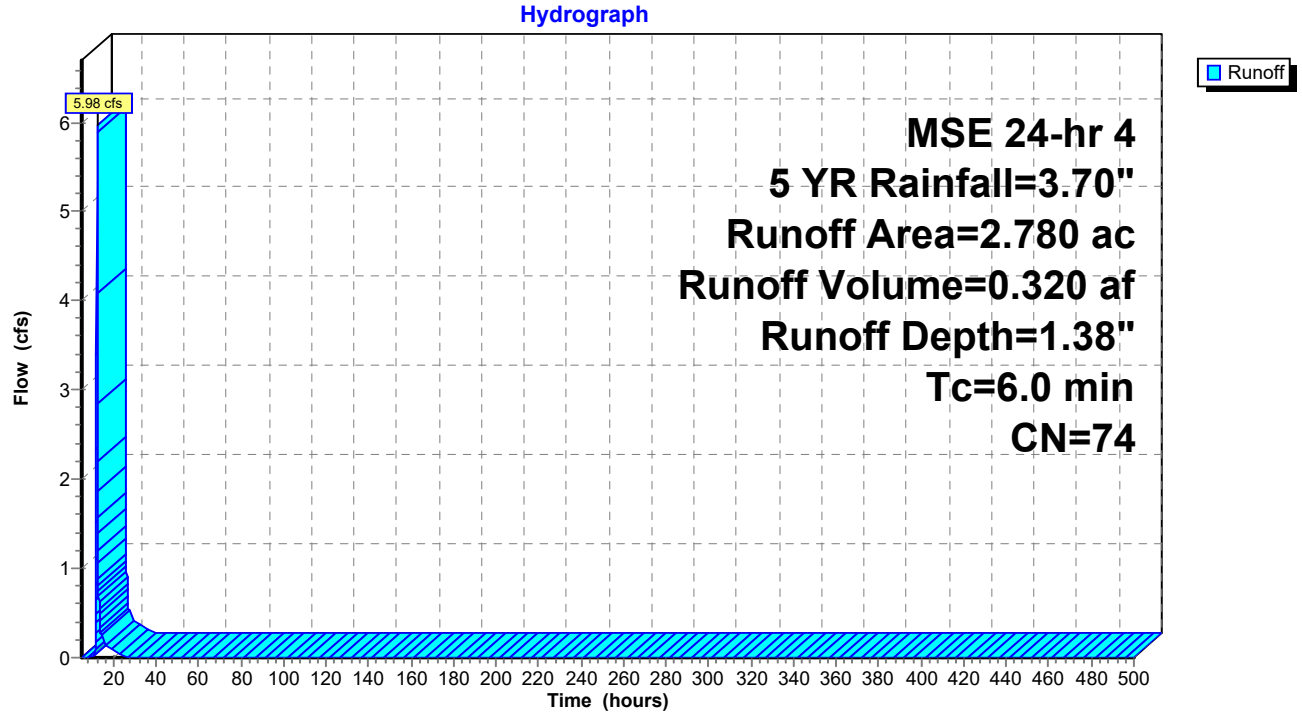
Runoff = 5.98 cfs @ 12.14 hrs, Volume= 0.320 af, Depth= 1.38"
Routed to Pond P3E : Pond 3E

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	0.530	98	Impervious
*	0.920	61	Post - B Soils
*	1.330	74	Post - C Soils
	2.780	74	Weighted Average
	2.250		80.94% Pervious Area
	0.530		19.06% Impervious Area

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

Subcatchment 3E: Post 3E



Hydrograph for Subcatchment 3E: Post 3E

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	1.38	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	1.38	0.00
15.00	3.25	1.07	**0.24**	270.00	3.70	1.38	0.00
20.00	**3.58**	**1.30**	0.09	275.00	3.70	1.38	0.00
25.00	**3.70**	**1.38**	0.00	280.00	3.70	1.38	0.00
30.00	3.70	1.38	0.00	285.00	3.70	1.38	0.00
35.00	3.70	1.38	0.00	290.00	3.70	1.38	0.00
40.00	3.70	1.38	0.00	295.00	3.70	1.38	0.00
45.00	3.70	1.38	0.00	300.00	3.70	1.38	0.00
50.00	3.70	1.38	0.00	305.00	3.70	1.38	0.00
55.00	3.70	1.38	0.00	310.00	3.70	1.38	0.00
60.00	3.70	1.38	0.00	315.00	3.70	1.38	0.00
65.00	3.70	1.38	0.00	320.00	3.70	1.38	0.00
70.00	3.70	1.38	0.00	325.00	3.70	1.38	0.00
75.00	3.70	1.38	0.00	330.00	3.70	1.38	0.00
80.00	3.70	1.38	0.00	335.00	3.70	1.38	0.00
85.00	3.70	1.38	0.00	340.00	3.70	1.38	0.00
90.00	3.70	1.38	0.00	345.00	3.70	1.38	0.00
95.00	3.70	1.38	0.00	350.00	3.70	1.38	0.00
100.00	3.70	1.38	0.00	355.00	3.70	1.38	0.00
105.00	3.70	1.38	0.00	360.00	3.70	1.38	0.00
110.00	3.70	1.38	0.00	365.00	3.70	1.38	0.00
115.00	3.70	1.38	0.00	370.00	3.70	1.38	0.00
120.00	3.70	1.38	0.00	375.00	3.70	1.38	0.00
125.00	3.70	1.38	0.00	380.00	3.70	1.38	0.00
130.00	3.70	1.38	0.00	385.00	3.70	1.38	0.00
135.00	3.70	1.38	0.00	390.00	3.70	1.38	0.00
140.00	3.70	1.38	0.00	395.00	3.70	1.38	0.00
145.00	3.70	1.38	0.00	400.00	3.70	1.38	0.00
150.00	3.70	1.38	0.00	405.00	3.70	1.38	0.00
155.00	3.70	1.38	0.00	410.00	3.70	1.38	0.00
160.00	3.70	1.38	0.00	415.00	3.70	1.38	0.00
165.00	3.70	1.38	0.00	420.00	3.70	1.38	0.00
170.00	3.70	1.38	0.00	425.00	3.70	1.38	0.00
175.00	3.70	1.38	0.00	430.00	3.70	1.38	0.00
180.00	3.70	1.38	0.00	435.00	3.70	1.38	0.00
185.00	3.70	1.38	0.00	440.00	3.70	1.38	0.00
190.00	3.70	1.38	0.00	445.00	3.70	1.38	0.00
195.00	3.70	1.38	0.00	450.00	3.70	1.38	0.00
200.00	3.70	1.38	0.00	455.00	3.70	1.38	0.00
205.00	3.70	1.38	0.00	460.00	3.70	1.38	0.00
210.00	3.70	1.38	0.00	465.00	3.70	1.38	0.00
215.00	3.70	1.38	0.00	470.00	3.70	1.38	0.00
220.00	3.70	1.38	0.00	475.00	3.70	1.38	0.00
225.00	3.70	1.38	0.00	480.00	3.70	1.38	0.00
230.00	3.70	1.38	0.00	485.00	3.70	1.38	0.00
235.00	3.70	1.38	0.00	490.00	3.70	1.38	0.00
240.00	3.70	1.38	0.00	495.00	3.70	1.38	0.00
245.00	3.70	1.38	0.00	500.00	3.70	1.38	0.00
250.00	3.70	1.38	0.00				
255.00	3.70	1.38	0.00				

Summary for Subcatchment 3Y: Post 3Y - Offsite

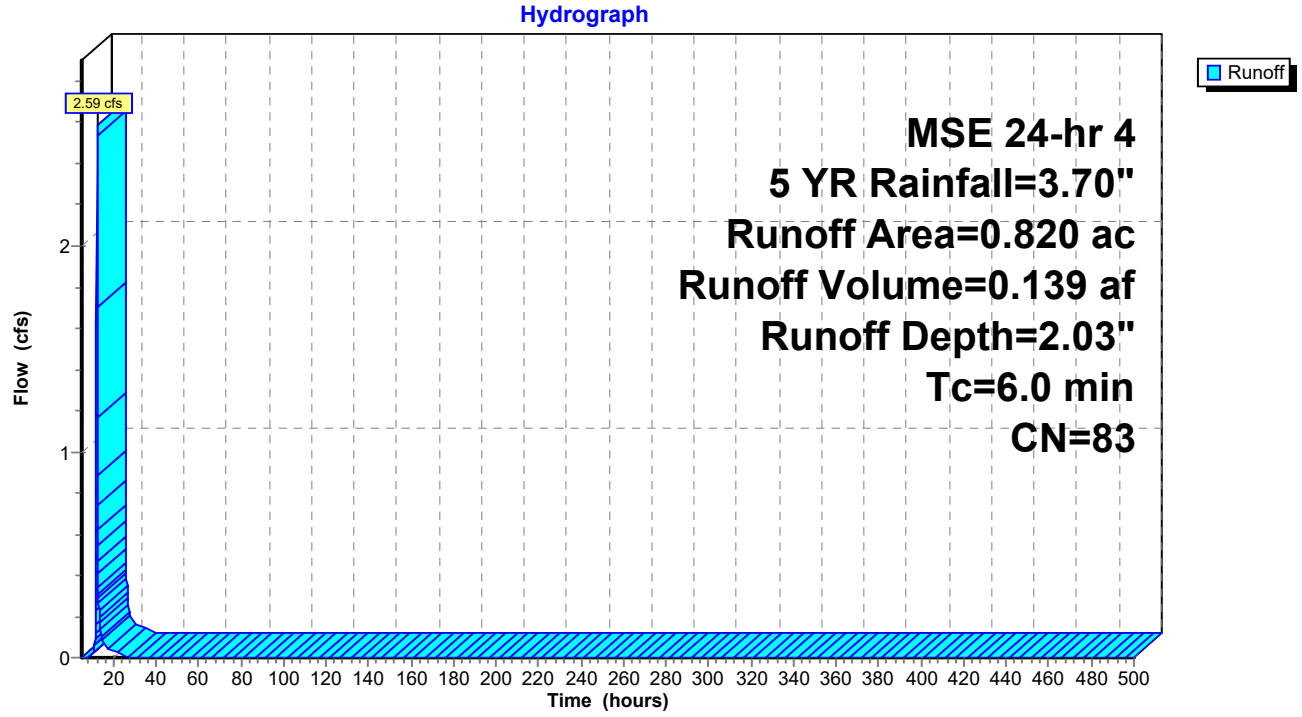
Runoff = 2.59 cfs @ 12.13 hrs, Volume= 0.139 af, Depth= 2.03"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	0.300	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.820	83	Weighted Average
	0.520		63.41% Pervious Area
	0.300		36.59% Impervious Area

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

Subcatchment 3Y: Post 3Y - Offsite



Hydrograph for Subcatchment 3Y: Post 3Y - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00
10.00	0.59	0.01	**0.02**
15.00	3.25	1.65	**0.09**
20.00	**3.58**	**1.93**	0.03
25.00	**3.70**	**2.03**	0.00
30.00	3.70	2.03	0.00
35.00	3.70	2.03	0.00
40.00	3.70	2.03	0.00
45.00	3.70	2.03	0.00
50.00	3.70	2.03	0.00
55.00	3.70	2.03	0.00
60.00	3.70	2.03	0.00
65.00	3.70	2.03	0.00
70.00	3.70	2.03	0.00
75.00	3.70	2.03	0.00
80.00	3.70	2.03	0.00
85.00	3.70	2.03	0.00
90.00	3.70	2.03	0.00
95.00	3.70	2.03	0.00
100.00	3.70	2.03	0.00
105.00	3.70	2.03	0.00
110.00	3.70	2.03	0.00
115.00	3.70	2.03	0.00
120.00	3.70	2.03	0.00
125.00	3.70	2.03	0.00
130.00	3.70	2.03	0.00
135.00	3.70	2.03	0.00
140.00	3.70	2.03	0.00
145.00	3.70	2.03	0.00
150.00	3.70	2.03	0.00
155.00	3.70	2.03	0.00
160.00	3.70	2.03	0.00
165.00	3.70	2.03	0.00
170.00	3.70	2.03	0.00
175.00	3.70	2.03	0.00
180.00	3.70	2.03	0.00
185.00	3.70	2.03	0.00
190.00	3.70	2.03	0.00
195.00	3.70	2.03	0.00
200.00	3.70	2.03	0.00
205.00	3.70	2.03	0.00
210.00	3.70	2.03	0.00
215.00	3.70	2.03	0.00
220.00	3.70	2.03	0.00
225.00	3.70	2.03	0.00
230.00	3.70	2.03	0.00
235.00	3.70	2.03	0.00
240.00	3.70	2.03	0.00
245.00	3.70	2.03	0.00
250.00	3.70	2.03	0.00
255.00	3.70	2.03	0.00
260.00	3.70	2.03	0.00
265.00	3.70	2.03	0.00
270.00	3.70	2.03	0.00
275.00	3.70	2.03	0.00
280.00	3.70	2.03	0.00
285.00	3.70	2.03	0.00
290.00	3.70	2.03	0.00
295.00	3.70	2.03	0.00
300.00	3.70	2.03	0.00
305.00	3.70	2.03	0.00
310.00	3.70	2.03	0.00
315.00	3.70	2.03	0.00
320.00	3.70	2.03	0.00
325.00	3.70	2.03	0.00
330.00	3.70	2.03	0.00
335.00	3.70	2.03	0.00
340.00	3.70	2.03	0.00
345.00	3.70	2.03	0.00
350.00	3.70	2.03	0.00
355.00	3.70	2.03	0.00
360.00	3.70	2.03	0.00
365.00	3.70	2.03	0.00
370.00	3.70	2.03	0.00
375.00	3.70	2.03	0.00
380.00	3.70	2.03	0.00
385.00	3.70	2.03	0.00
390.00	3.70	2.03	0.00
395.00	3.70	2.03	0.00
400.00	3.70	2.03	0.00
405.00	3.70	2.03	0.00
410.00	3.70	2.03	0.00
415.00	3.70	2.03	0.00
420.00	3.70	2.03	0.00
425.00	3.70	2.03	0.00
430.00	3.70	2.03	0.00
435.00	3.70	2.03	0.00
440.00	3.70	2.03	0.00
445.00	3.70	2.03	0.00
450.00	3.70	2.03	0.00
455.00	3.70	2.03	0.00
460.00	3.70	2.03	0.00
465.00	3.70	2.03	0.00
470.00	3.70	2.03	0.00
475.00	3.70	2.03	0.00
480.00	3.70	2.03	0.00
485.00	3.70	2.03	0.00
490.00	3.70	2.03	0.00
495.00	3.70	2.03	0.00
500.00	3.70	2.03	0.00

Summary for Subcatchment 3Z: Post 3Z - Offsite

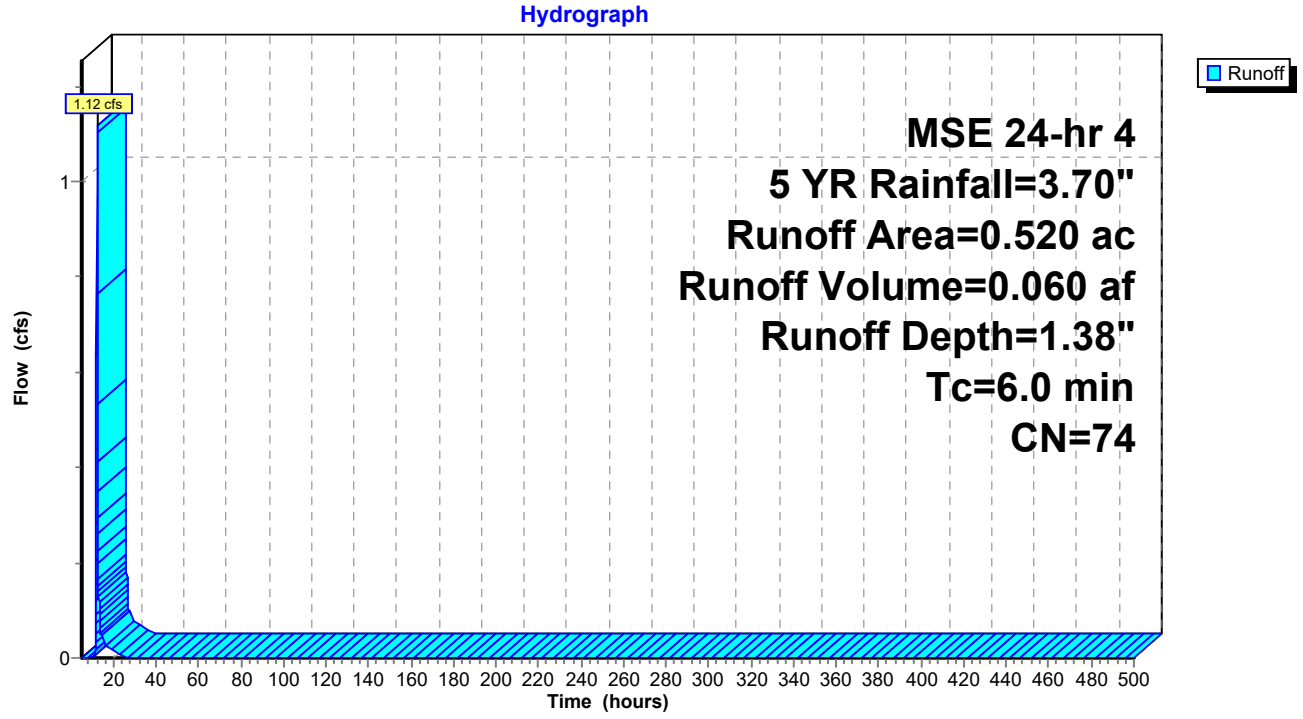
Runoff = 1.12 cfs @ 12.14 hrs, Volume= 0.060 af, Depth= 1.38"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (ac)	CN	Description
*	0.000	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.520	74	Weighted Average
	0.520		100.00% Pervious Area

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

Subcatchment 3Z: Post 3Z - Offsite



Hydrograph for Subcatchment 3Z: Post 3Z - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00
10.00	0.59	0.00	**0.00**
15.00	3.25	1.07	**0.05**
20.00	**3.58**	**1.30**	0.02
25.00	**3.70**	**1.38**	0.00
30.00	3.70	1.38	0.00
35.00	3.70	1.38	0.00
40.00	3.70	1.38	0.00
45.00	3.70	1.38	0.00
50.00	3.70	1.38	0.00
55.00	3.70	1.38	0.00
60.00	3.70	1.38	0.00
65.00	3.70	1.38	0.00
70.00	3.70	1.38	0.00
75.00	3.70	1.38	0.00
80.00	3.70	1.38	0.00
85.00	3.70	1.38	0.00
90.00	3.70	1.38	0.00
95.00	3.70	1.38	0.00
100.00	3.70	1.38	0.00
105.00	3.70	1.38	0.00
110.00	3.70	1.38	0.00
115.00	3.70	1.38	0.00
120.00	3.70	1.38	0.00
125.00	3.70	1.38	0.00
130.00	3.70	1.38	0.00
135.00	3.70	1.38	0.00
140.00	3.70	1.38	0.00
145.00	3.70	1.38	0.00
150.00	3.70	1.38	0.00
155.00	3.70	1.38	0.00
160.00	3.70	1.38	0.00
165.00	3.70	1.38	0.00
170.00	3.70	1.38	0.00
175.00	3.70	1.38	0.00
180.00	3.70	1.38	0.00
185.00	3.70	1.38	0.00
190.00	3.70	1.38	0.00
195.00	3.70	1.38	0.00
200.00	3.70	1.38	0.00
205.00	3.70	1.38	0.00
210.00	3.70	1.38	0.00
215.00	3.70	1.38	0.00
220.00	3.70	1.38	0.00
225.00	3.70	1.38	0.00
230.00	3.70	1.38	0.00
235.00	3.70	1.38	0.00
240.00	3.70	1.38	0.00
245.00	3.70	1.38	0.00
250.00	3.70	1.38	0.00
255.00	3.70	1.38	0.00
260.00	3.70	1.38	0.00
265.00	3.70	1.38	0.00
270.00	3.70	1.38	0.00
275.00	3.70	1.38	0.00
280.00	3.70	1.38	0.00
285.00	3.70	1.38	0.00
290.00	3.70	1.38	0.00
295.00	3.70	1.38	0.00
300.00	3.70	1.38	0.00
305.00	3.70	1.38	0.00
310.00	3.70	1.38	0.00
315.00	3.70	1.38	0.00
320.00	3.70	1.38	0.00
325.00	3.70	1.38	0.00
330.00	3.70	1.38	0.00
335.00	3.70	1.38	0.00
340.00	3.70	1.38	0.00
345.00	3.70	1.38	0.00
350.00	3.70	1.38	0.00
355.00	3.70	1.38	0.00
360.00	3.70	1.38	0.00
365.00	3.70	1.38	0.00
370.00	3.70	1.38	0.00
375.00	3.70	1.38	0.00
380.00	3.70	1.38	0.00
385.00	3.70	1.38	0.00
390.00	3.70	1.38	0.00
395.00	3.70	1.38	0.00
400.00	3.70	1.38	0.00
405.00	3.70	1.38	0.00
410.00	3.70	1.38	0.00
415.00	3.70	1.38	0.00
420.00	3.70	1.38	0.00
425.00	3.70	1.38	0.00
430.00	3.70	1.38	0.00
435.00	3.70	1.38	0.00
440.00	3.70	1.38	0.00
445.00	3.70	1.38	0.00
450.00	3.70	1.38	0.00
455.00	3.70	1.38	0.00
460.00	3.70	1.38	0.00
465.00	3.70	1.38	0.00
470.00	3.70	1.38	0.00
475.00	3.70	1.38	0.00
480.00	3.70	1.38	0.00
485.00	3.70	1.38	0.00
490.00	3.70	1.38	0.00
495.00	3.70	1.38	0.00
500.00	3.70	1.38	0.00

Summary for Subcatchment 5S: Culvert 1

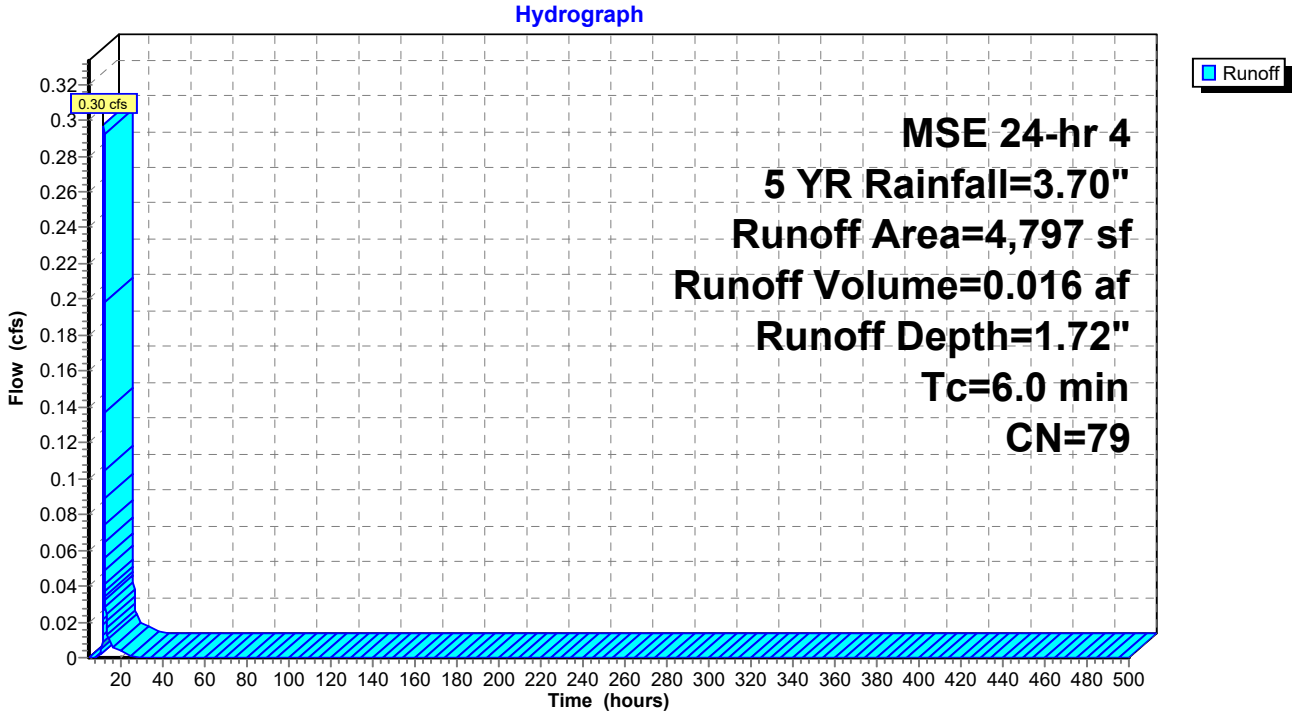
Runoff = 0.30 cfs @ 12.13 hrs, Volume= 0.016 af, Depth= 1.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (sf)	CN	Description
*	2,465	61	Post - B Soils
*	2,332	98	Impervious
	4,797	79	Weighted Average
	2,465		51.39% Pervious Area
	2,332		48.61% Impervious Area

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

Subcatchment 5S: Culvert 1



Hydrograph for Subcatchment 5S: Culvert 1

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	1.72	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	1.72	0.00
15.00	3.25	1.38	**0.01**	270.00	3.70	1.72	0.00
20.00	**3.58**	**1.63**	0.00	275.00	3.70	1.72	0.00
25.00	**3.70**	**1.72**	0.00	280.00	3.70	1.72	0.00
30.00	3.70	1.72	0.00	285.00	3.70	1.72	0.00
35.00	3.70	1.72	0.00	290.00	3.70	1.72	0.00
40.00	3.70	1.72	0.00	295.00	3.70	1.72	0.00
45.00	3.70	1.72	0.00	300.00	3.70	1.72	0.00
50.00	3.70	1.72	0.00	305.00	3.70	1.72	0.00
55.00	3.70	1.72	0.00	310.00	3.70	1.72	0.00
60.00	3.70	1.72	0.00	315.00	3.70	1.72	0.00
65.00	3.70	1.72	0.00	320.00	3.70	1.72	0.00
70.00	3.70	1.72	0.00	325.00	3.70	1.72	0.00
75.00	3.70	1.72	0.00	330.00	3.70	1.72	0.00
80.00	3.70	1.72	0.00	335.00	3.70	1.72	0.00
85.00	3.70	1.72	0.00	340.00	3.70	1.72	0.00
90.00	3.70	1.72	0.00	345.00	3.70	1.72	0.00
95.00	3.70	1.72	0.00	350.00	3.70	1.72	0.00
100.00	3.70	1.72	0.00	355.00	3.70	1.72	0.00
105.00	3.70	1.72	0.00	360.00	3.70	1.72	0.00
110.00	3.70	1.72	0.00	365.00	3.70	1.72	0.00
115.00	3.70	1.72	0.00	370.00	3.70	1.72	0.00
120.00	3.70	1.72	0.00	375.00	3.70	1.72	0.00
125.00	3.70	1.72	0.00	380.00	3.70	1.72	0.00
130.00	3.70	1.72	0.00	385.00	3.70	1.72	0.00
135.00	3.70	1.72	0.00	390.00	3.70	1.72	0.00
140.00	3.70	1.72	0.00	395.00	3.70	1.72	0.00
145.00	3.70	1.72	0.00	400.00	3.70	1.72	0.00
150.00	3.70	1.72	0.00	405.00	3.70	1.72	0.00
155.00	3.70	1.72	0.00	410.00	3.70	1.72	0.00
160.00	3.70	1.72	0.00	415.00	3.70	1.72	0.00
165.00	3.70	1.72	0.00	420.00	3.70	1.72	0.00
170.00	3.70	1.72	0.00	425.00	3.70	1.72	0.00
175.00	3.70	1.72	0.00	430.00	3.70	1.72	0.00
180.00	3.70	1.72	0.00	435.00	3.70	1.72	0.00
185.00	3.70	1.72	0.00	440.00	3.70	1.72	0.00
190.00	3.70	1.72	0.00	445.00	3.70	1.72	0.00
195.00	3.70	1.72	0.00	450.00	3.70	1.72	0.00
200.00	3.70	1.72	0.00	455.00	3.70	1.72	0.00
205.00	3.70	1.72	0.00	460.00	3.70	1.72	0.00
210.00	3.70	1.72	0.00	465.00	3.70	1.72	0.00
215.00	3.70	1.72	0.00	470.00	3.70	1.72	0.00
220.00	3.70	1.72	0.00	475.00	3.70	1.72	0.00
225.00	3.70	1.72	0.00	480.00	3.70	1.72	0.00
230.00	3.70	1.72	0.00	485.00	3.70	1.72	0.00
235.00	3.70	1.72	0.00	490.00	3.70	1.72	0.00
240.00	3.70	1.72	0.00	495.00	3.70	1.72	0.00
245.00	3.70	1.72	0.00	500.00	3.70	1.72	0.00
250.00	3.70	1.72	0.00				
255.00	3.70	1.72	0.00				

Summary for Subcatchment 6S: Culvert 2

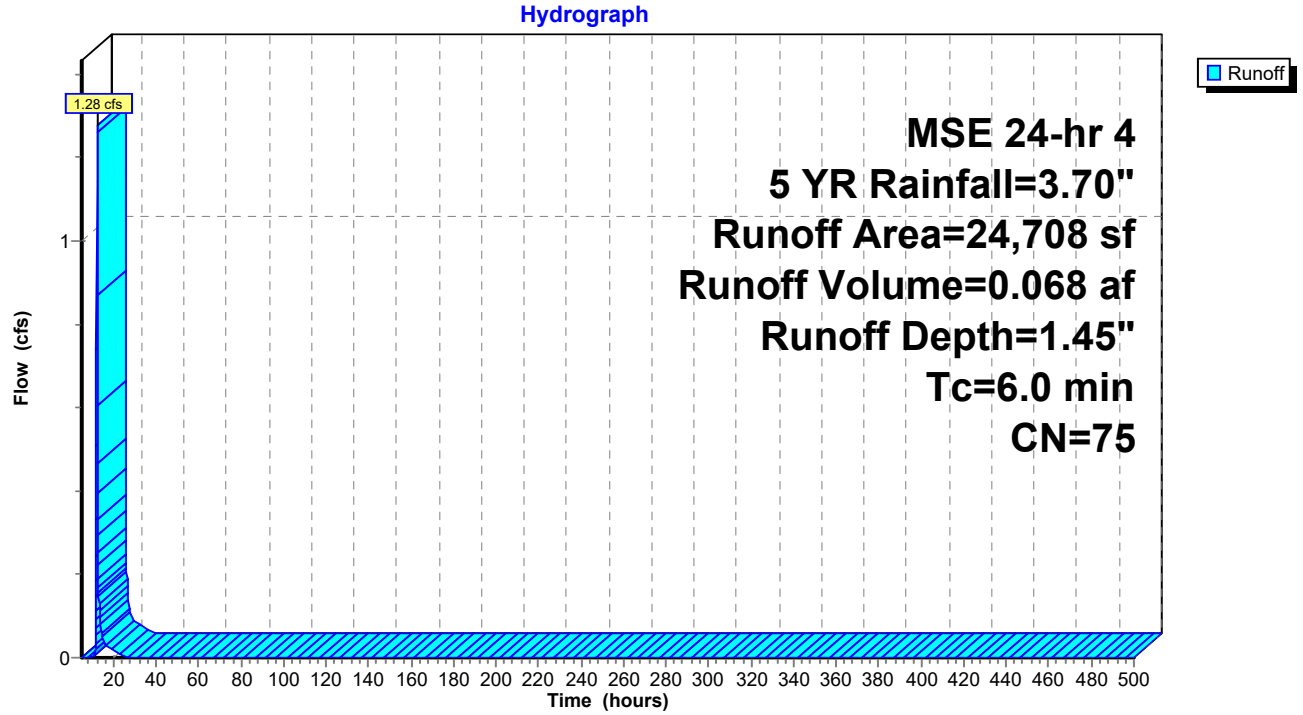
Runoff = 1.28 cfs @ 12.14 hrs, Volume= 0.068 af, Depth= 1.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (sf)	CN	Description
*	15,597	61	Post - B Soils
*	9,111	98	Impervious
	24,708	75	Weighted Average
	15,597		63.13% Pervious Area
	9,111		36.87% Impervious Area

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

Subcatchment 6S: Culvert 2



Hydrograph for Subcatchment 6S: Culvert 2

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	1.45	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	1.45	0.00
15.00	3.25	1.13	**0.05**	270.00	3.70	1.45	0.00
20.00	**3.58**	**1.36**	0.02	275.00	3.70	1.45	0.00
25.00	**3.70**	**1.45**	0.00	280.00	3.70	1.45	0.00
30.00	3.70	1.45	0.00	285.00	3.70	1.45	0.00
35.00	3.70	1.45	0.00	290.00	3.70	1.45	0.00
40.00	3.70	1.45	0.00	295.00	3.70	1.45	0.00
45.00	3.70	1.45	0.00	300.00	3.70	1.45	0.00
50.00	3.70	1.45	0.00	305.00	3.70	1.45	0.00
55.00	3.70	1.45	0.00	310.00	3.70	1.45	0.00
60.00	3.70	1.45	0.00	315.00	3.70	1.45	0.00
65.00	3.70	1.45	0.00	320.00	3.70	1.45	0.00
70.00	3.70	1.45	0.00	325.00	3.70	1.45	0.00
75.00	3.70	1.45	0.00	330.00	3.70	1.45	0.00
80.00	3.70	1.45	0.00	335.00	3.70	1.45	0.00
85.00	3.70	1.45	0.00	340.00	3.70	1.45	0.00
90.00	3.70	1.45	0.00	345.00	3.70	1.45	0.00
95.00	3.70	1.45	0.00	350.00	3.70	1.45	0.00
100.00	3.70	1.45	0.00	355.00	3.70	1.45	0.00
105.00	3.70	1.45	0.00	360.00	3.70	1.45	0.00
110.00	3.70	1.45	0.00	365.00	3.70	1.45	0.00
115.00	3.70	1.45	0.00	370.00	3.70	1.45	0.00
120.00	3.70	1.45	0.00	375.00	3.70	1.45	0.00
125.00	3.70	1.45	0.00	380.00	3.70	1.45	0.00
130.00	3.70	1.45	0.00	385.00	3.70	1.45	0.00
135.00	3.70	1.45	0.00	390.00	3.70	1.45	0.00
140.00	3.70	1.45	0.00	395.00	3.70	1.45	0.00
145.00	3.70	1.45	0.00	400.00	3.70	1.45	0.00
150.00	3.70	1.45	0.00	405.00	3.70	1.45	0.00
155.00	3.70	1.45	0.00	410.00	3.70	1.45	0.00
160.00	3.70	1.45	0.00	415.00	3.70	1.45	0.00
165.00	3.70	1.45	0.00	420.00	3.70	1.45	0.00
170.00	3.70	1.45	0.00	425.00	3.70	1.45	0.00
175.00	3.70	1.45	0.00	430.00	3.70	1.45	0.00
180.00	3.70	1.45	0.00	435.00	3.70	1.45	0.00
185.00	3.70	1.45	0.00	440.00	3.70	1.45	0.00
190.00	3.70	1.45	0.00	445.00	3.70	1.45	0.00
195.00	3.70	1.45	0.00	450.00	3.70	1.45	0.00
200.00	3.70	1.45	0.00	455.00	3.70	1.45	0.00
205.00	3.70	1.45	0.00	460.00	3.70	1.45	0.00
210.00	3.70	1.45	0.00	465.00	3.70	1.45	0.00
215.00	3.70	1.45	0.00	470.00	3.70	1.45	0.00
220.00	3.70	1.45	0.00	475.00	3.70	1.45	0.00
225.00	3.70	1.45	0.00	480.00	3.70	1.45	0.00
230.00	3.70	1.45	0.00	485.00	3.70	1.45	0.00
235.00	3.70	1.45	0.00	490.00	3.70	1.45	0.00
240.00	3.70	1.45	0.00	495.00	3.70	1.45	0.00
245.00	3.70	1.45	0.00	500.00	3.70	1.45	0.00
250.00	3.70	1.45	0.00				
255.00	3.70	1.45	0.00				

Summary for Subcatchment 7S: Culvert 3

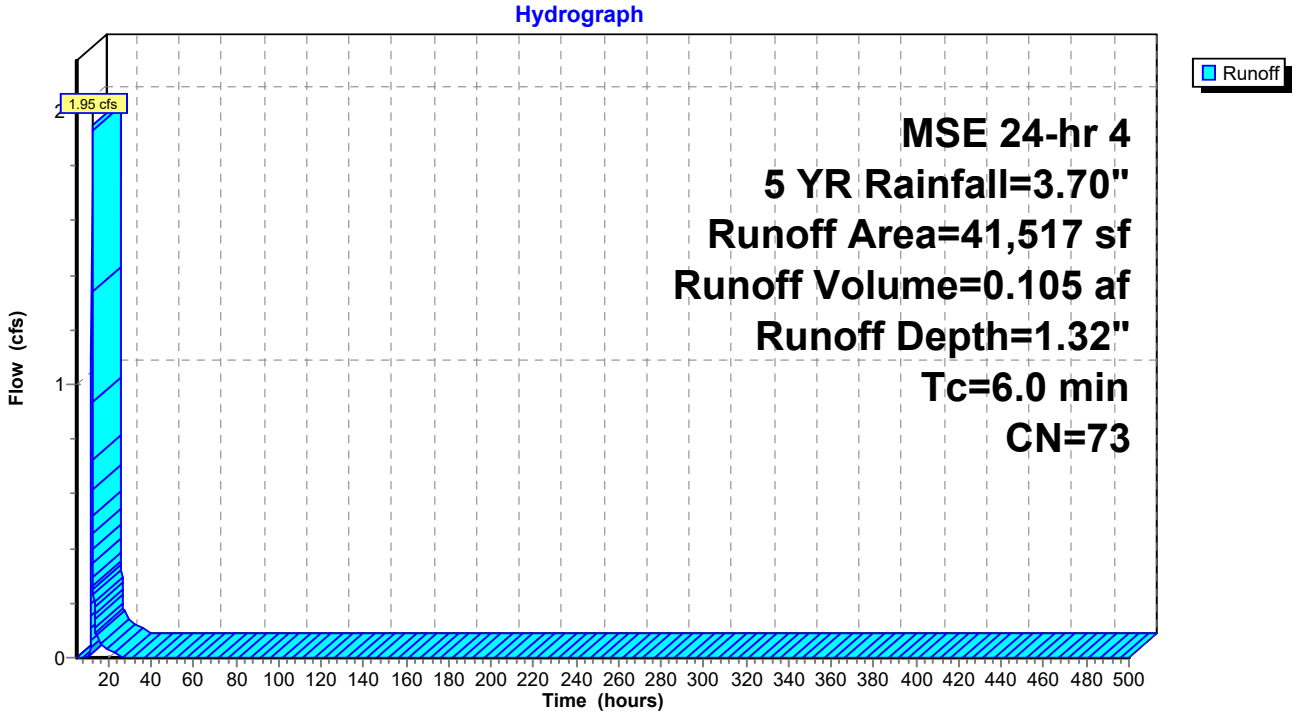
Runoff = 1.95 cfs @ 12.14 hrs, Volume= 0.105 af, Depth= 1.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (sf)	CN	Description
*	28,233	61	Post - B Soils
*	13,284	98	Impervious
	41,517	73	Weighted Average
	28,233		68.00% Pervious Area
	13,284		32.00% Impervious Area

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

Subcatchment 7S: Culvert 3



Hydrograph for Subcatchment 7S: Culvert 3

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	1.32	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	1.32	0.00
15.00	3.25	1.02	**0.08**	270.00	3.70	1.32	0.00
20.00	**3.58**	**1.23**	0.03	275.00	3.70	1.32	0.00
25.00	**3.70**	**1.32**	0.00	280.00	3.70	1.32	0.00
30.00	3.70	1.32	0.00	285.00	3.70	1.32	0.00
35.00	3.70	1.32	0.00	290.00	3.70	1.32	0.00
40.00	3.70	1.32	0.00	295.00	3.70	1.32	0.00
45.00	3.70	1.32	0.00	300.00	3.70	1.32	0.00
50.00	3.70	1.32	0.00	305.00	3.70	1.32	0.00
55.00	3.70	1.32	0.00	310.00	3.70	1.32	0.00
60.00	3.70	1.32	0.00	315.00	3.70	1.32	0.00
65.00	3.70	1.32	0.00	320.00	3.70	1.32	0.00
70.00	3.70	1.32	0.00	325.00	3.70	1.32	0.00
75.00	3.70	1.32	0.00	330.00	3.70	1.32	0.00
80.00	3.70	1.32	0.00	335.00	3.70	1.32	0.00
85.00	3.70	1.32	0.00	340.00	3.70	1.32	0.00
90.00	3.70	1.32	0.00	345.00	3.70	1.32	0.00
95.00	3.70	1.32	0.00	350.00	3.70	1.32	0.00
100.00	3.70	1.32	0.00	355.00	3.70	1.32	0.00
105.00	3.70	1.32	0.00	360.00	3.70	1.32	0.00
110.00	3.70	1.32	0.00	365.00	3.70	1.32	0.00
115.00	3.70	1.32	0.00	370.00	3.70	1.32	0.00
120.00	3.70	1.32	0.00	375.00	3.70	1.32	0.00
125.00	3.70	1.32	0.00	380.00	3.70	1.32	0.00
130.00	3.70	1.32	0.00	385.00	3.70	1.32	0.00
135.00	3.70	1.32	0.00	390.00	3.70	1.32	0.00
140.00	3.70	1.32	0.00	395.00	3.70	1.32	0.00
145.00	3.70	1.32	0.00	400.00	3.70	1.32	0.00
150.00	3.70	1.32	0.00	405.00	3.70	1.32	0.00
155.00	3.70	1.32	0.00	410.00	3.70	1.32	0.00
160.00	3.70	1.32	0.00	415.00	3.70	1.32	0.00
165.00	3.70	1.32	0.00	420.00	3.70	1.32	0.00
170.00	3.70	1.32	0.00	425.00	3.70	1.32	0.00
175.00	3.70	1.32	0.00	430.00	3.70	1.32	0.00
180.00	3.70	1.32	0.00	435.00	3.70	1.32	0.00
185.00	3.70	1.32	0.00	440.00	3.70	1.32	0.00
190.00	3.70	1.32	0.00	445.00	3.70	1.32	0.00
195.00	3.70	1.32	0.00	450.00	3.70	1.32	0.00
200.00	3.70	1.32	0.00	455.00	3.70	1.32	0.00
205.00	3.70	1.32	0.00	460.00	3.70	1.32	0.00
210.00	3.70	1.32	0.00	465.00	3.70	1.32	0.00
215.00	3.70	1.32	0.00	470.00	3.70	1.32	0.00
220.00	3.70	1.32	0.00	475.00	3.70	1.32	0.00
225.00	3.70	1.32	0.00	480.00	3.70	1.32	0.00
230.00	3.70	1.32	0.00	485.00	3.70	1.32	0.00
235.00	3.70	1.32	0.00	490.00	3.70	1.32	0.00
240.00	3.70	1.32	0.00	495.00	3.70	1.32	0.00
245.00	3.70	1.32	0.00	500.00	3.70	1.32	0.00
250.00	3.70	1.32	0.00				
255.00	3.70	1.32	0.00				

Summary for Subcatchment 8S: Culvert 4

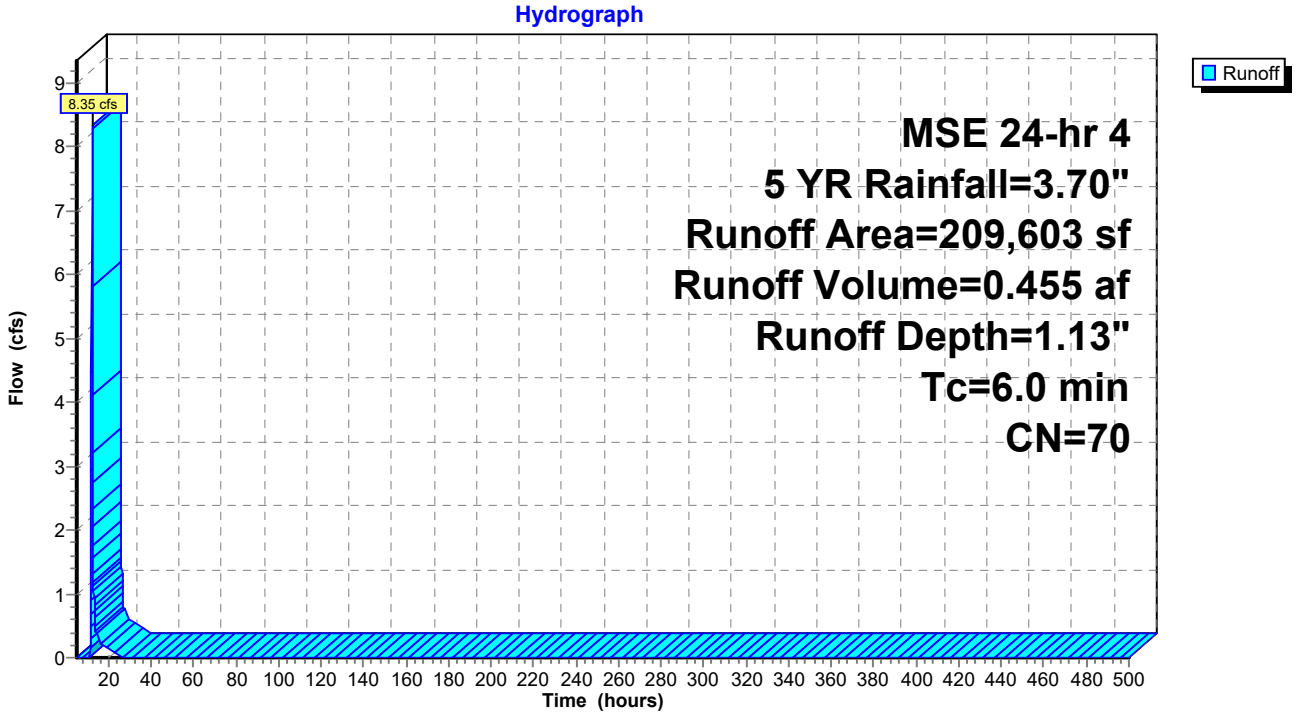
Runoff = 8.35 cfs @ 12.14 hrs, Volume= 0.455 af, Depth= 1.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (sf)	CN	Description
*	156,823	61	Post - B Soils
*	52,780	98	Impervious
	209,603	70	Weighted Average
	156,823		74.82% Pervious Area
	52,780		25.18% Impervious Area

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

Subcatchment 8S: Culvert 4



Hydrograph for Subcatchment 8S: Culvert 4

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	1.13	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	1.13	0.00
15.00	3.25	0.86	**0.37**	270.00	3.70	1.13	0.00
20.00	**3.58**	**1.06**	0.14	275.00	3.70	1.13	0.00
25.00	**3.70**	**1.13**	0.00	280.00	3.70	1.13	0.00
30.00	3.70	1.13	0.00	285.00	3.70	1.13	0.00
35.00	3.70	1.13	0.00	290.00	3.70	1.13	0.00
40.00	3.70	1.13	0.00	295.00	3.70	1.13	0.00
45.00	3.70	1.13	0.00	300.00	3.70	1.13	0.00
50.00	3.70	1.13	0.00	305.00	3.70	1.13	0.00
55.00	3.70	1.13	0.00	310.00	3.70	1.13	0.00
60.00	3.70	1.13	0.00	315.00	3.70	1.13	0.00
65.00	3.70	1.13	0.00	320.00	3.70	1.13	0.00
70.00	3.70	1.13	0.00	325.00	3.70	1.13	0.00
75.00	3.70	1.13	0.00	330.00	3.70	1.13	0.00
80.00	3.70	1.13	0.00	335.00	3.70	1.13	0.00
85.00	3.70	1.13	0.00	340.00	3.70	1.13	0.00
90.00	3.70	1.13	0.00	345.00	3.70	1.13	0.00
95.00	3.70	1.13	0.00	350.00	3.70	1.13	0.00
100.00	3.70	1.13	0.00	355.00	3.70	1.13	0.00
105.00	3.70	1.13	0.00	360.00	3.70	1.13	0.00
110.00	3.70	1.13	0.00	365.00	3.70	1.13	0.00
115.00	3.70	1.13	0.00	370.00	3.70	1.13	0.00
120.00	3.70	1.13	0.00	375.00	3.70	1.13	0.00
125.00	3.70	1.13	0.00	380.00	3.70	1.13	0.00
130.00	3.70	1.13	0.00	385.00	3.70	1.13	0.00
135.00	3.70	1.13	0.00	390.00	3.70	1.13	0.00
140.00	3.70	1.13	0.00	395.00	3.70	1.13	0.00
145.00	3.70	1.13	0.00	400.00	3.70	1.13	0.00
150.00	3.70	1.13	0.00	405.00	3.70	1.13	0.00
155.00	3.70	1.13	0.00	410.00	3.70	1.13	0.00
160.00	3.70	1.13	0.00	415.00	3.70	1.13	0.00
165.00	3.70	1.13	0.00	420.00	3.70	1.13	0.00
170.00	3.70	1.13	0.00	425.00	3.70	1.13	0.00
175.00	3.70	1.13	0.00	430.00	3.70	1.13	0.00
180.00	3.70	1.13	0.00	435.00	3.70	1.13	0.00
185.00	3.70	1.13	0.00	440.00	3.70	1.13	0.00
190.00	3.70	1.13	0.00	445.00	3.70	1.13	0.00
195.00	3.70	1.13	0.00	450.00	3.70	1.13	0.00
200.00	3.70	1.13	0.00	455.00	3.70	1.13	0.00
205.00	3.70	1.13	0.00	460.00	3.70	1.13	0.00
210.00	3.70	1.13	0.00	465.00	3.70	1.13	0.00
215.00	3.70	1.13	0.00	470.00	3.70	1.13	0.00
220.00	3.70	1.13	0.00	475.00	3.70	1.13	0.00
225.00	3.70	1.13	0.00	480.00	3.70	1.13	0.00
230.00	3.70	1.13	0.00	485.00	3.70	1.13	0.00
235.00	3.70	1.13	0.00	490.00	3.70	1.13	0.00
240.00	3.70	1.13	0.00	495.00	3.70	1.13	0.00
245.00	3.70	1.13	0.00	500.00	3.70	1.13	0.00
250.00	3.70	1.13	0.00				
255.00	3.70	1.13	0.00				

Summary for Subcatchment 9S: Culvert 5

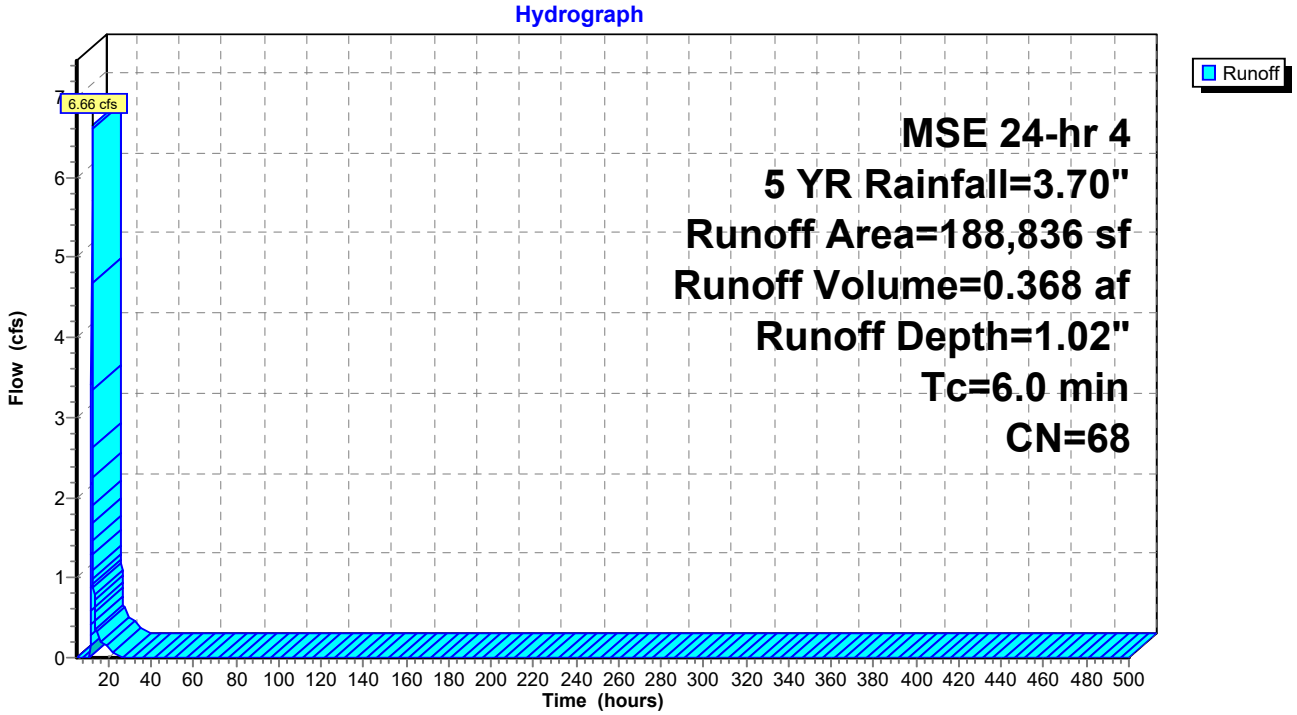
Runoff = 6.66 cfs @ 12.14 hrs, Volume= 0.368 af, Depth= 1.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 5 YR Rainfall=3.70"

	Area (sf)	CN	Description
*	151,149	61	Post - B Soils
*	37,687	98	Impervious
	188,836	68	Weighted Average
	151,149		80.04% Pervious Area
	37,687		19.96% Impervious Area

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

Subcatchment 9S: Culvert 5



Hydrograph for Subcatchment 9S: Culvert 5

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.17	0.00	0.00	260.00	3.70	1.02	0.00
10.00	0.59	0.00	**0.00**	265.00	3.70	1.02	0.00
15.00	3.25	0.76	**0.31**	270.00	3.70	1.02	0.00
20.00	**3.58**	**0.95**	0.12	275.00	3.70	1.02	0.00
25.00	**3.70**	**1.02**	0.00	280.00	3.70	1.02	0.00
30.00	3.70	1.02	0.00	285.00	3.70	1.02	0.00
35.00	3.70	1.02	0.00	290.00	3.70	1.02	0.00
40.00	3.70	1.02	0.00	295.00	3.70	1.02	0.00
45.00	3.70	1.02	0.00	300.00	3.70	1.02	0.00
50.00	3.70	1.02	0.00	305.00	3.70	1.02	0.00
55.00	3.70	1.02	0.00	310.00	3.70	1.02	0.00
60.00	3.70	1.02	0.00	315.00	3.70	1.02	0.00
65.00	3.70	1.02	0.00	320.00	3.70	1.02	0.00
70.00	3.70	1.02	0.00	325.00	3.70	1.02	0.00
75.00	3.70	1.02	0.00	330.00	3.70	1.02	0.00
80.00	3.70	1.02	0.00	335.00	3.70	1.02	0.00
85.00	3.70	1.02	0.00	340.00	3.70	1.02	0.00
90.00	3.70	1.02	0.00	345.00	3.70	1.02	0.00
95.00	3.70	1.02	0.00	350.00	3.70	1.02	0.00
100.00	3.70	1.02	0.00	355.00	3.70	1.02	0.00
105.00	3.70	1.02	0.00	360.00	3.70	1.02	0.00
110.00	3.70	1.02	0.00	365.00	3.70	1.02	0.00
115.00	3.70	1.02	0.00	370.00	3.70	1.02	0.00
120.00	3.70	1.02	0.00	375.00	3.70	1.02	0.00
125.00	3.70	1.02	0.00	380.00	3.70	1.02	0.00
130.00	3.70	1.02	0.00	385.00	3.70	1.02	0.00
135.00	3.70	1.02	0.00	390.00	3.70	1.02	0.00
140.00	3.70	1.02	0.00	395.00	3.70	1.02	0.00
145.00	3.70	1.02	0.00	400.00	3.70	1.02	0.00
150.00	3.70	1.02	0.00	405.00	3.70	1.02	0.00
155.00	3.70	1.02	0.00	410.00	3.70	1.02	0.00
160.00	3.70	1.02	0.00	415.00	3.70	1.02	0.00
165.00	3.70	1.02	0.00	420.00	3.70	1.02	0.00
170.00	3.70	1.02	0.00	425.00	3.70	1.02	0.00
175.00	3.70	1.02	0.00	430.00	3.70	1.02	0.00
180.00	3.70	1.02	0.00	435.00	3.70	1.02	0.00
185.00	3.70	1.02	0.00	440.00	3.70	1.02	0.00
190.00	3.70	1.02	0.00	445.00	3.70	1.02	0.00
195.00	3.70	1.02	0.00	450.00	3.70	1.02	0.00
200.00	3.70	1.02	0.00	455.00	3.70	1.02	0.00
205.00	3.70	1.02	0.00	460.00	3.70	1.02	0.00
210.00	3.70	1.02	0.00	465.00	3.70	1.02	0.00
215.00	3.70	1.02	0.00	470.00	3.70	1.02	0.00
220.00	3.70	1.02	0.00	475.00	3.70	1.02	0.00
225.00	3.70	1.02	0.00	480.00	3.70	1.02	0.00
230.00	3.70	1.02	0.00	485.00	3.70	1.02	0.00
235.00	3.70	1.02	0.00	490.00	3.70	1.02	0.00
240.00	3.70	1.02	0.00	495.00	3.70	1.02	0.00
245.00	3.70	1.02	0.00	500.00	3.70	1.02	0.00
250.00	3.70	1.02	0.00				
255.00	3.70	1.02	0.00				

Summary for Pond P1A: Pond 1A

Inflow Area = 6.030 ac, 19.24% Impervious, Inflow Depth = 1.02" for 5 YR event
Inflow = 9.27 cfs @ 12.14 hrs, Volume= 0.512 af
Outflow = 1.17 cfs @ 12.91 hrs, Volume= 0.512 af, Atten= 87%, Lag= 46.2 min
Primary = 0.70 cfs @ 12.91 hrs, Volume= 0.135 af
Routed to Link 3L : Post - South
Secondary = 0.47 cfs @ 12.91 hrs, Volume= 0.377 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,241.17' @ 12.91 hrs Surf.Area= 5,630 sf Storage= 8,802 cf

Plug-Flow detention time= 145.4 min calculated for 0.512 af (100% of inflow)
Center-of-Mass det. time= 145.3 min (996.8 - 851.5)

Volume	Invert	Avail.Storage	Storage Description
#1	1,239.00'	30,563 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

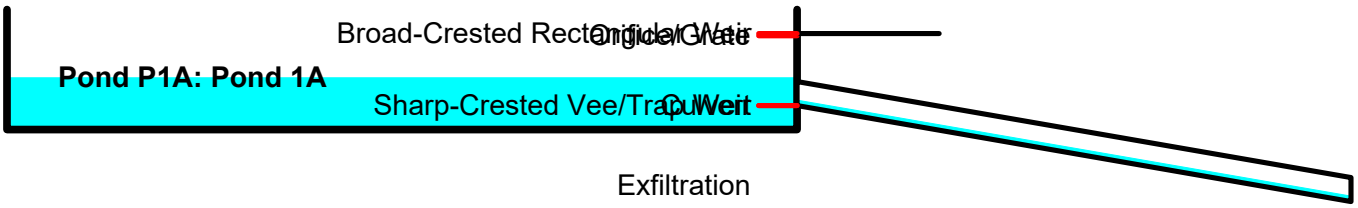
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,239.00	2,496	0	0
1,244.00	9,729	30,563	30,563

Device	Routing	Invert	Outlet Devices
#1	Primary	1,240.00'	**12.0" Round Culvert** L= 39.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,240.00' / 1,236.00' S= 0.1026 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,240.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,242.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,239.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,243.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

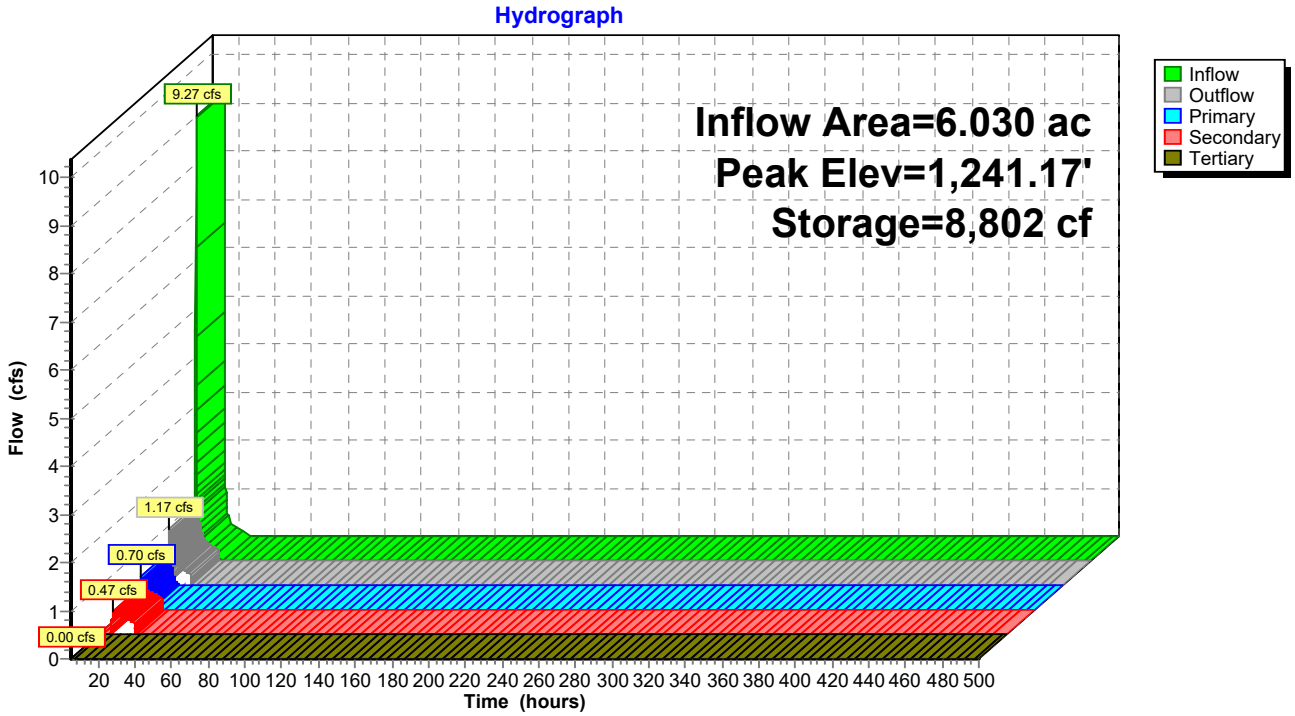
Primary OutFlow Max=0.70 cfs @ 12.91 hrs HW=1,241.17' (Free Discharge)
└**1=Culvert** (Passes 0.70 cfs of 3.09 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.70 cfs @ 2.91 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.47 cfs @ 12.91 hrs HW=1,241.17' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.47 cfs)

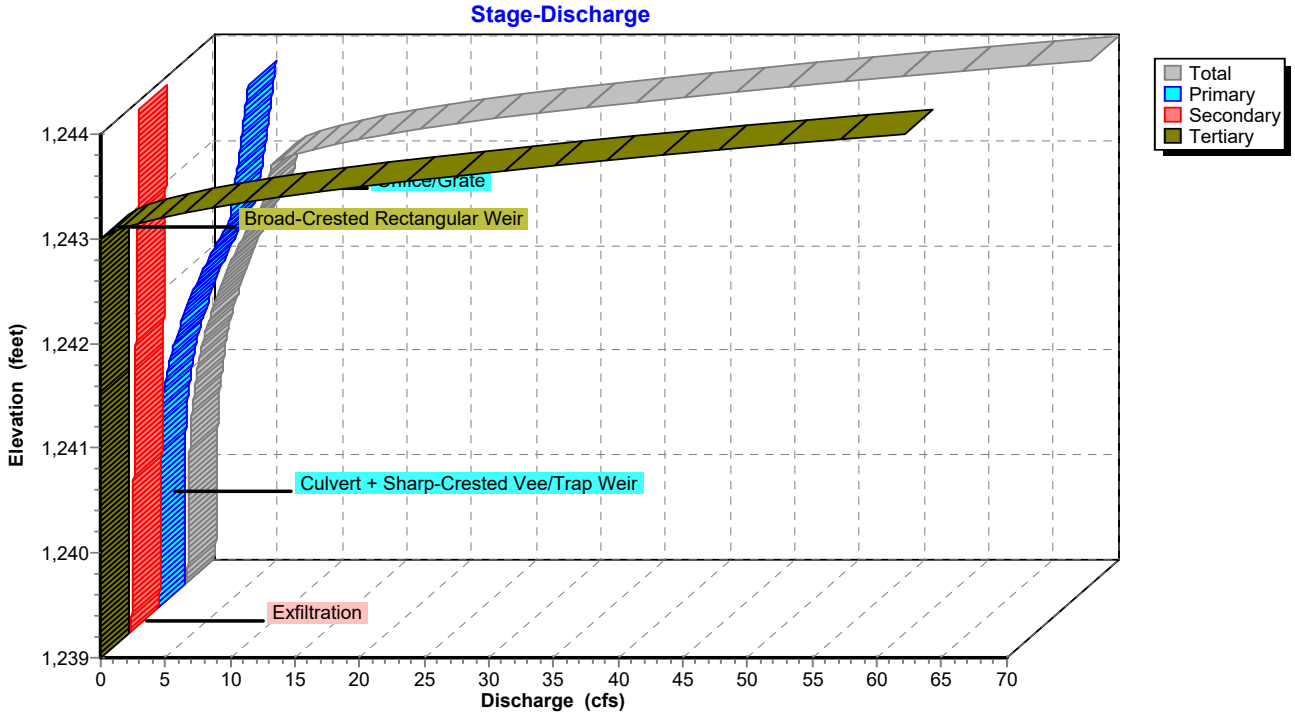
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,239.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



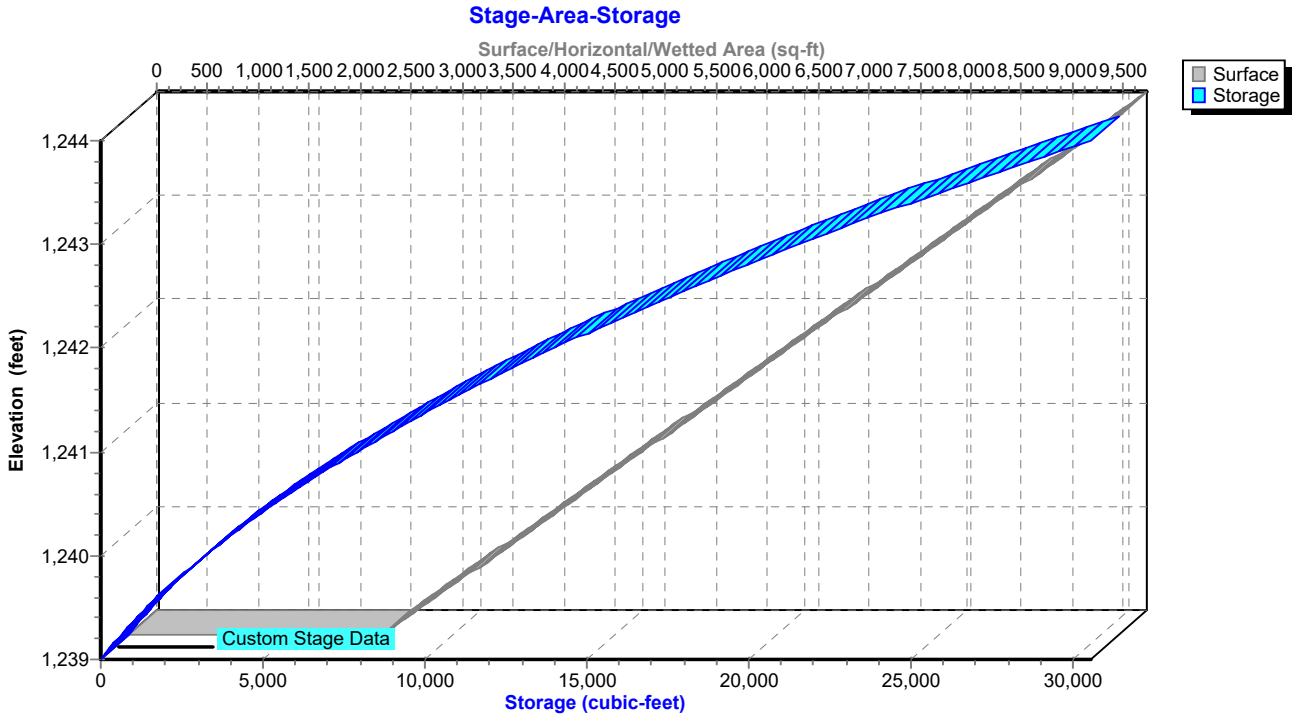
Pond P1A: Pond 1A



Pond P1A: Pond 1A



Pond P1A: Pond 1A



Hydrograph for Pond P1A: Pond 1A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,239.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.44**	**6,616**	**1,240.76**	**0.66**	**0.24**	**0.42**	0.00
25.00	0.00	17	1,239.01	0.03	0.00	0.03	0.00
35.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P1A: Pond 1A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,239.00	0.00	0.00	0.00	0.00
1,239.10	0.22	0.00	0.22	0.00
1,239.20	0.23	0.00	0.23	0.00
1,239.30	0.24	0.00	0.24	0.00
1,239.40	0.26	0.00	0.26	0.00
1,239.50	0.27	0.00	0.27	0.00
1,239.60	0.28	0.00	0.28	0.00
1,239.70	0.29	0.00	0.29	0.00
1,239.80	0.30	0.00	0.30	0.00
1,239.90	0.32	0.00	0.32	0.00
1,240.00	0.33	0.00	0.33	0.00
1,240.10	0.34	0.00	0.34	0.00
1,240.20	0.36	0.01	0.35	0.00
1,240.30	0.39	0.02	0.36	0.00
1,240.40	0.42	0.05	0.38	0.00
1,240.50	0.47	0.08	0.39	0.00
1,240.60	0.53	0.13	0.40	0.00
1,240.70	0.61	0.19	0.41	0.00
1,240.80	0.70	0.27	0.42	0.00
1,240.90	0.80	0.36	0.44	0.00
1,241.00	0.92	0.47	0.45	0.00
1,241.10	1.06	0.60	0.46	0.00
1,241.20	1.22	0.75	0.47	0.00
1,241.30	1.40	0.91	0.49	0.00
1,241.40	1.60	1.10	0.50	0.00
1,241.50	1.82	1.31	0.51	0.00
1,241.60	2.06	1.54	0.52	0.00
1,241.70	2.32	1.79	0.53	0.00
1,241.80	2.61	2.06	0.55	0.00
1,241.90	2.92	2.36	0.56	0.00
1,242.00	3.25	2.68	0.57	0.00
1,242.10	3.61	3.03	0.58	0.00
1,242.20	4.00	3.41	0.59	0.00
1,242.30	4.41	3.81	0.61	0.00
1,242.40	4.85	4.23	0.62	0.00
1,242.50	5.32	4.69	0.63	0.00
1,242.60	5.81	5.17	0.64	0.00
1,242.70	6.26	5.61	0.65	0.00
1,242.80	6.40	5.74	0.67	0.00
1,242.90	6.54	5.86	0.68	0.00
1,243.00	6.67	5.98	0.69	0.00
1,243.10	8.40	6.10	0.70	1.60
1,243.20	11.53	6.21	0.71	4.60
1,243.30	15.75	6.33	0.73	8.70
1,243.40	20.96	6.44	0.74	13.78
1,243.50	27.39	6.55	0.75	20.08
1,243.60	34.93	6.66	0.76	27.51
1,243.70	42.64	6.76	0.77	35.10
1,243.80	51.08	6.87	0.79	43.42
1,243.90	60.22	6.97	0.80	52.45
1,244.00	**70.06**	**7.07**	**0.81**	**62.18**

Stage-Area-Storage for Pond P1A: Pond 1A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,239.00	2,496	0
1,239.05	2,568	127
1,239.10	2,641	257
1,239.15	2,713	391
1,239.20	2,785	528
1,239.25	2,858	669
1,239.30	2,930	814
1,239.35	3,002	962
1,239.40	3,075	1,114
1,239.45	3,147	1,270
1,239.50	3,219	1,429
1,239.55	3,292	1,592
1,239.60	3,364	1,758
1,239.65	3,436	1,928
1,239.70	3,509	2,102
1,239.75	3,581	2,279
1,239.80	3,653	2,460
1,239.85	3,726	2,644
1,239.90	3,798	2,832
1,239.95	3,870	3,024
1,240.00	3,943	3,219
1,240.05	4,015	3,418
1,240.10	4,087	3,621
1,240.15	4,160	3,827
1,240.20	4,232	4,037
1,240.25	4,304	4,250
1,240.30	4,377	4,467
1,240.35	4,449	4,688
1,240.40	4,521	4,912
1,240.45	4,594	5,140
1,240.50	4,666	5,371
1,240.55	4,738	5,607
1,240.60	4,811	5,845
1,240.65	4,883	6,088
1,240.70	4,955	6,334
1,240.75	5,028	6,583
1,240.80	5,100	6,836
1,240.85	5,172	7,093
1,240.90	5,245	7,354
1,240.95	5,317	7,618
1,241.00	5,389	7,885
1,241.05	5,462	8,156
1,241.10	5,534	8,431
1,241.15	5,606	8,710
1,241.20	5,679	8,992
1,241.25	5,751	9,278
1,241.30	5,823	9,567
1,241.35	5,896	9,860
1,241.40	5,968	10,157
1,241.45	6,040	10,457
1,241.50	6,113	10,761
1,241.55	6,185	11,068
1,241.60	6,257	11,379
1,241.65	6,329	11,694
1,241.70	6,402	12,012
1,241.75	6,474	12,334
1,241.80	6,546	12,659
1,241.85	6,619	12,989
1,241.90	6,691	13,321
1,241.95	6,763	13,658
1,242.00	6,836	13,998
1,242.05	6,908	14,341
1,242.10	6,980	14,689
1,242.15	7,053	15,039
1,242.20	7,125	15,394
1,242.25	7,197	15,752
1,242.30	7,270	16,114
1,242.35	7,342	16,479
1,242.40	7,414	16,848
1,242.45	7,487	17,220
1,242.50	7,559	17,596
1,242.55	7,631	17,976
1,242.60	7,704	18,360
1,242.65	7,776	18,747
1,242.70	7,848	19,137
1,242.75	7,921	19,531
1,242.80	7,993	19,929
1,242.85	8,065	20,331
1,242.90	8,138	20,736
1,242.95	8,210	21,144
1,243.00	8,282	21,557
1,243.05	8,355	21,973
1,243.10	8,427	22,392
1,243.15	8,499	22,815
1,243.20	8,572	23,242
1,243.25	8,644	23,673
1,243.30	8,716	24,107
1,243.35	8,789	24,544
1,243.40	8,861	24,985
1,243.45	8,933	25,430
1,243.50	9,006	25,879
1,243.55	9,078	26,331
1,243.60	9,150	26,787
1,243.65	9,223	27,246
1,243.70	9,295	27,709
1,243.75	9,367	28,175
1,243.80	9,440	28,646
1,243.85	9,512	29,119
1,243.90	9,584	29,597
1,243.95	9,657	30,078
1,244.00	**9,729**	**30,563**

Summary for Pond P3A: Pond 3A

Inflow Area = 10.600 ac, 18.58% Impervious, Inflow Depth = 1.13" for 5 YR event
Inflow = 18.39 cfs @ 12.14 hrs, Volume= 1.001 af
Outflow = 2.63 cfs @ 12.66 hrs, Volume= 1.001 af, Atten= 86%, Lag= 31.2 min
Primary = 1.94 cfs @ 12.66 hrs, Volume= 0.381 af
Routed to Link 4L : Post - North
Secondary = 0.69 cfs @ 12.66 hrs, Volume= 0.621 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,194.76' @ 12.66 hrs Surf.Area= 8,278 sf Storage= 17,153 cf

Plug-Flow detention time= 150.9 min calculated for 1.001 af (100% of inflow)
Center-of-Mass det. time= 150.9 min (996.9 - 846.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1,192.00'	51,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

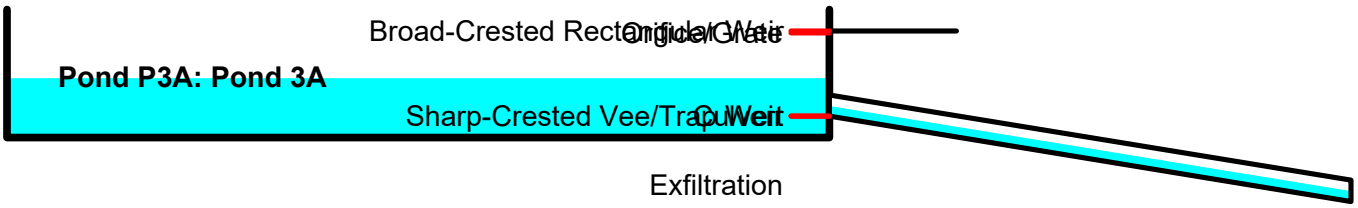
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,192.00	4,165	0	0
1,198.00	13,117	51,846	51,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,193.00'	**12.0" Round Culvert** L= 41.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,193.00' / 1,189.00' S= 0.0976 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,193.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,196.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,192.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,197.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

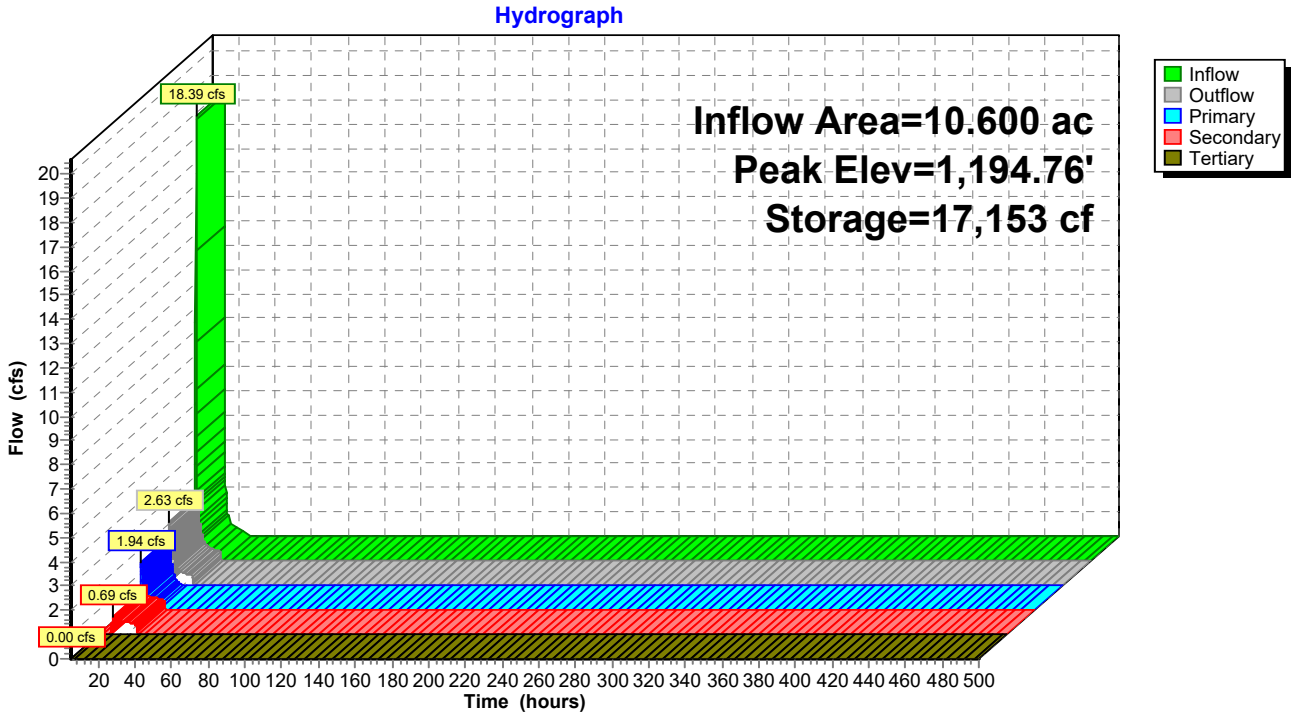
Primary OutFlow Max=1.94 cfs @ 12.66 hrs HW=1,194.76' (Free Discharge)
└**1=Culvert** (Passes 1.94 cfs of 4.24 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 1.94 cfs @ 3.57 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.69 cfs @ 12.66 hrs HW=1,194.76' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.69 cfs)

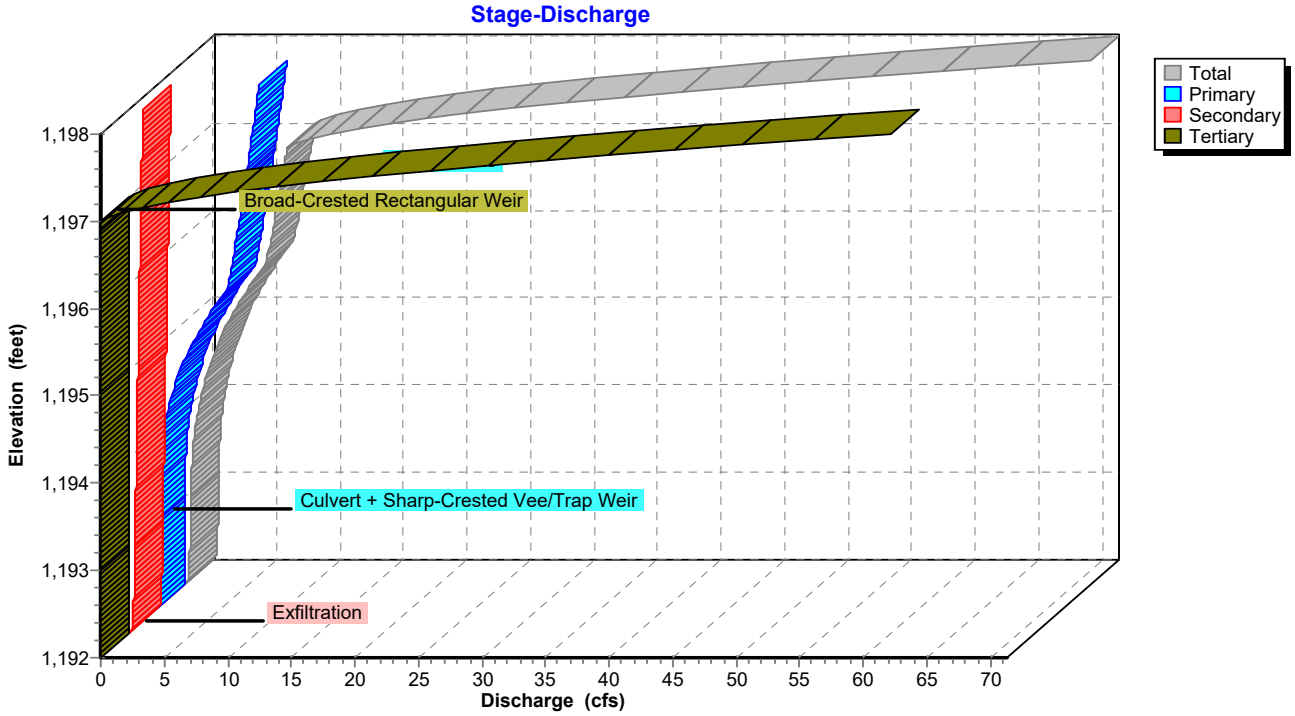
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,192.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



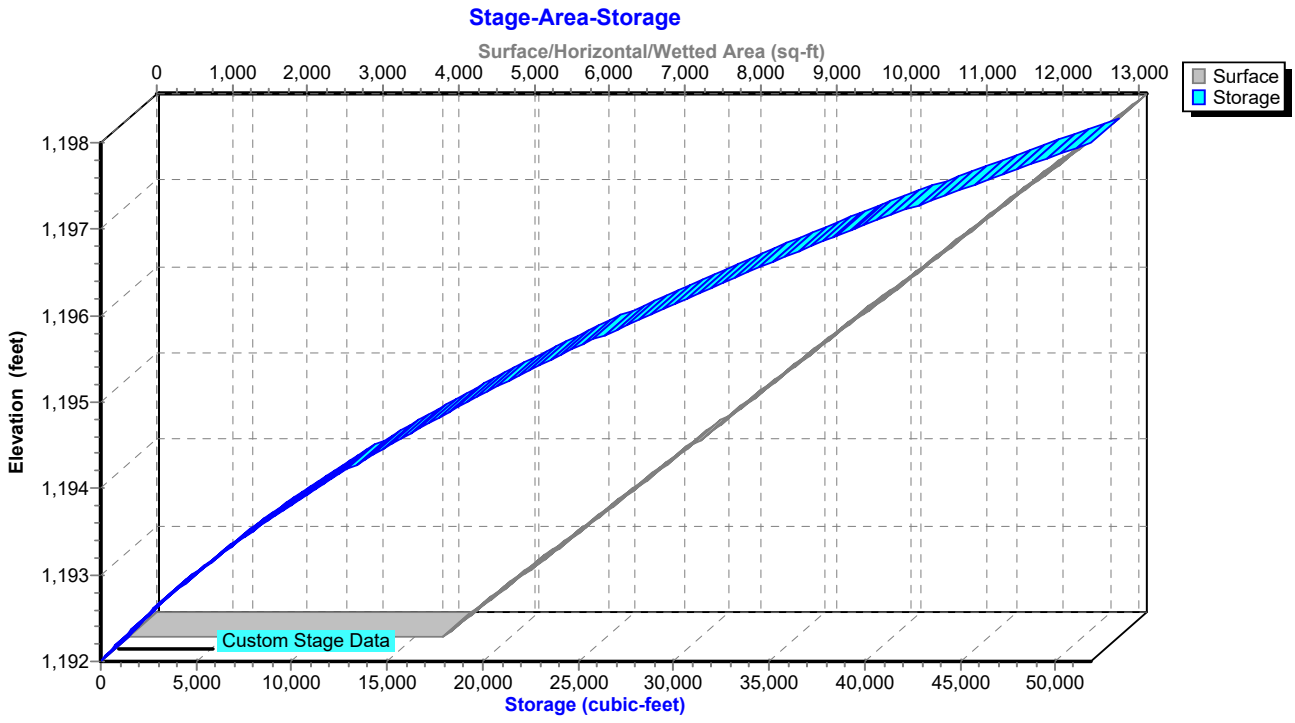
Pond P3A: Pond 3A



Pond P3A: Pond 3A



Pond P3A: Pond 3A



Hydrograph for Pond P3A: Pond 3A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,192.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.82**	**12,093**	**1,194.11**	**1.22**	**0.61**	**0.61**	0.00
25.00	0.00	1,378	1,192.31	0.39	0.00	0.39	0.00
35.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3A: Pond 3A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,192.00	0.00	0.00	0.00	0.00
1,192.20	0.37	0.00	0.37	0.00
1,192.40	0.40	0.00	0.40	0.00
1,192.60	0.42	0.00	0.42	0.00
1,192.80	0.45	0.00	0.45	0.00
1,193.00	0.47	0.00	0.47	0.00
1,193.20	0.50	0.01	0.50	0.00
1,193.40	0.57	0.05	0.52	0.00
1,193.60	0.68	0.13	0.55	0.00
1,193.80	0.84	0.27	0.57	0.00
1,194.00	1.07	0.47	0.60	0.00
1,194.20	1.37	0.75	0.62	0.00
1,194.40	1.75	1.10	0.65	0.00
1,194.60	2.21	1.54	0.67	0.00
1,194.80	2.76	2.06	0.70	0.00
1,195.00	3.40	2.68	0.72	0.00
1,195.20	4.15	3.41	0.74	0.00
1,195.40	5.00	4.23	0.77	0.00
1,195.60	5.96	5.17	0.79	0.00
1,195.80	6.55	5.74	0.82	0.00
1,196.00	6.82	5.98	0.84	0.00
1,196.20	7.08	6.21	0.87	0.00
1,196.40	7.33	6.44	0.89	0.00
1,196.60	7.58	6.66	0.92	0.00
1,196.80	7.81	6.87	0.94	0.00
1,197.00	8.04	7.07	0.97	0.00
1,197.20	12.86	7.27	0.99	4.60
1,197.40	22.27	7.47	1.02	13.78
1,197.60	36.21	7.66	1.04	27.51
1,197.80	52.33	7.84	1.07	43.42
1,198.00	**71.29**	**8.02**	**1.09**	**62.18**

Stage-Area-Storage for Pond P3A: Pond 3A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,192.00	4,165	0
1,192.10	4,314	424
1,192.20	4,463	863
1,192.30	4,613	1,317
1,192.40	4,762	1,785
1,192.50	4,911	2,269
1,192.60	5,060	2,768
1,192.70	5,209	3,281
1,192.80	5,359	3,809
1,192.90	5,508	4,353
1,193.00	5,657	4,911
1,193.10	5,806	5,484
1,193.20	5,955	6,072
1,193.30	6,105	6,675
1,193.40	6,254	7,293
1,193.50	6,403	7,926
1,193.60	6,552	8,574
1,193.70	6,701	9,236
1,193.80	6,851	9,914
1,193.90	7,000	10,607
1,194.00	7,149	11,314
1,194.10	7,298	12,036
1,194.20	7,447	12,774
1,194.30	7,597	13,526
1,194.40	7,746	14,293
1,194.50	7,895	15,075
1,194.60	8,044	15,872
1,194.70	8,193	16,684
1,194.80	8,343	17,511
1,194.90	8,492	18,352
1,195.00	8,641	19,209
1,195.10	8,790	20,081
1,195.20	8,939	20,967
1,195.30	9,089	21,868
1,195.40	9,238	22,785
1,195.50	9,387	23,716
1,195.60	9,536	24,662
1,195.70	9,685	25,623
1,195.80	9,835	26,599
1,195.90	9,984	27,590
1,196.00	10,133	28,596
1,196.10	10,282	29,617
1,196.20	10,431	30,652
1,196.30	10,581	31,703
1,196.40	10,730	32,769
1,196.50	10,879	33,849
1,196.60	11,028	34,944
1,196.70	11,177	36,055
1,196.80	11,327	37,180
1,196.90	11,476	38,320
1,197.00	11,625	39,475
1,197.10	11,774	40,645
1,197.20	11,923	41,830
1,197.30	12,073	43,030
1,197.40	12,222	44,244
1,197.50	12,371	45,474
1,197.60	12,520	46,719
1,197.70	12,669	47,978
1,197.80	12,819	49,252
1,197.90	12,968	50,542
1,198.00	**13,117**	**51,846**

Summary for Pond P3B: Pond 3B

Inflow Area = 8.450 ac, 19.88% Impervious, Inflow Depth = 1.19" for 5 YR event
Inflow = 15.52 cfs @ 12.14 hrs, Volume= 0.840 af
Outflow = 2.61 cfs @ 12.58 hrs, Volume= 0.840 af, Atten= 83%, Lag= 26.5 min
Primary = 2.01 cfs @ 12.58 hrs, Volume= 0.345 af
Routed to Link 4L : Post - North
Secondary = 0.60 cfs @ 12.58 hrs, Volume= 0.495 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,197.78' @ 12.58 hrs Surf.Area= 7,241 sf Storage= 13,957 cf

Plug-Flow detention time= 133.6 min calculated for 0.840 af (100% of inflow)
Center-of-Mass det. time= 133.6 min (976.9 - 843.3)

Volume	Invert	Avail.Storage	Storage Description
#1	1,195.00'	33,965 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

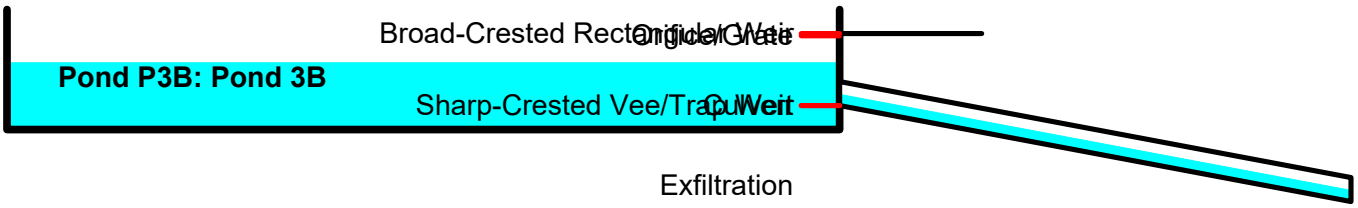
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,195.00	2,799	0	0
1,200.00	10,787	33,965	33,965

Device	Routing	Invert	Outlet Devices
#1	Primary	1,196.00'	**12.0" Round Culvert** L= 36.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,196.00' / 1,192.00' S= 0.1111 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,196.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,198.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,195.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,199.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=2.00 cfs @ 12.58 hrs HW=1,197.78' (Free Discharge)
└**1=Culvert** (Passes 2.00 cfs of 4.28 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 2.00 cfs @ 3.59 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

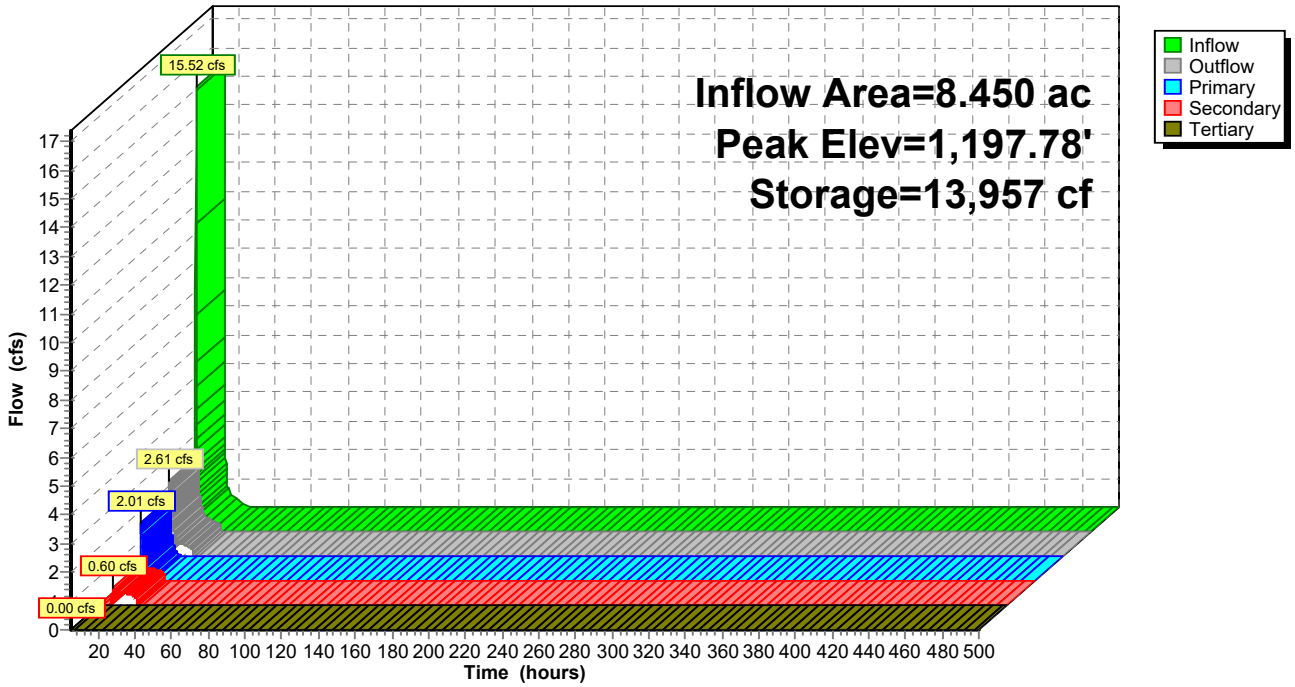
Secondary OutFlow Max=0.60 cfs @ 12.58 hrs HW=1,197.78' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.60 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,195.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

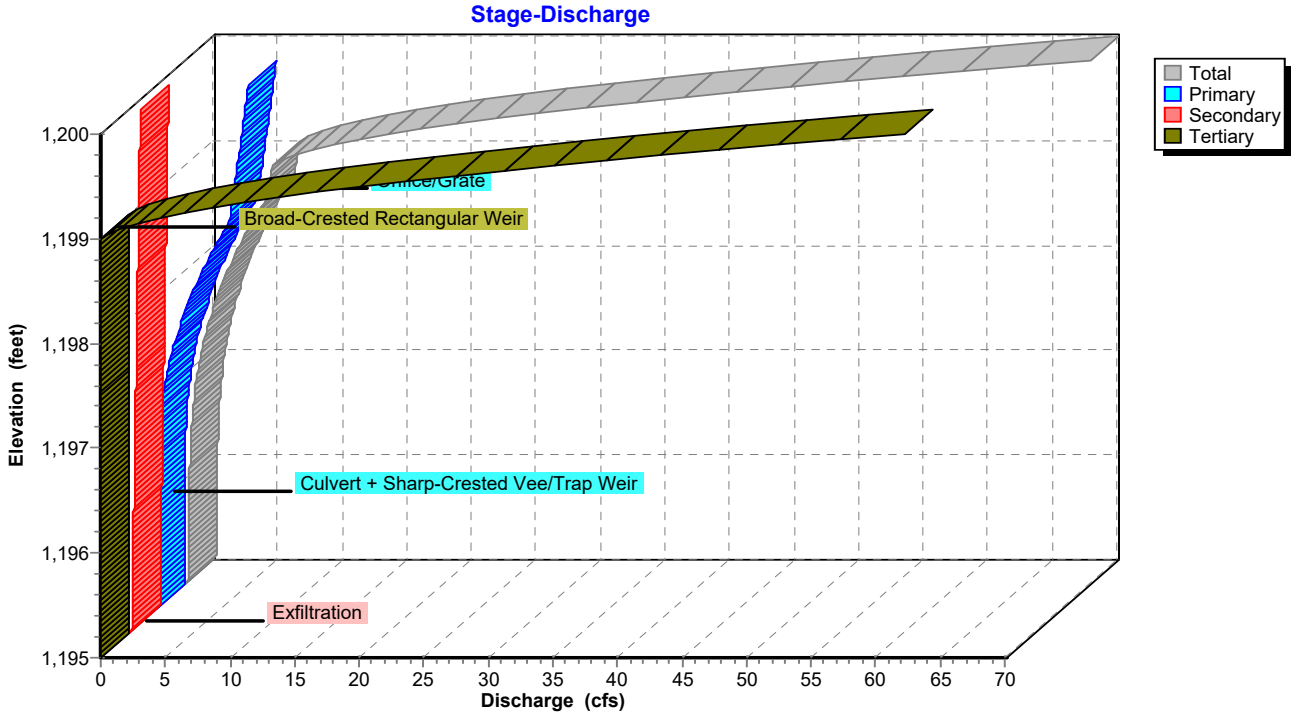


Pond P3B: Pond 3B

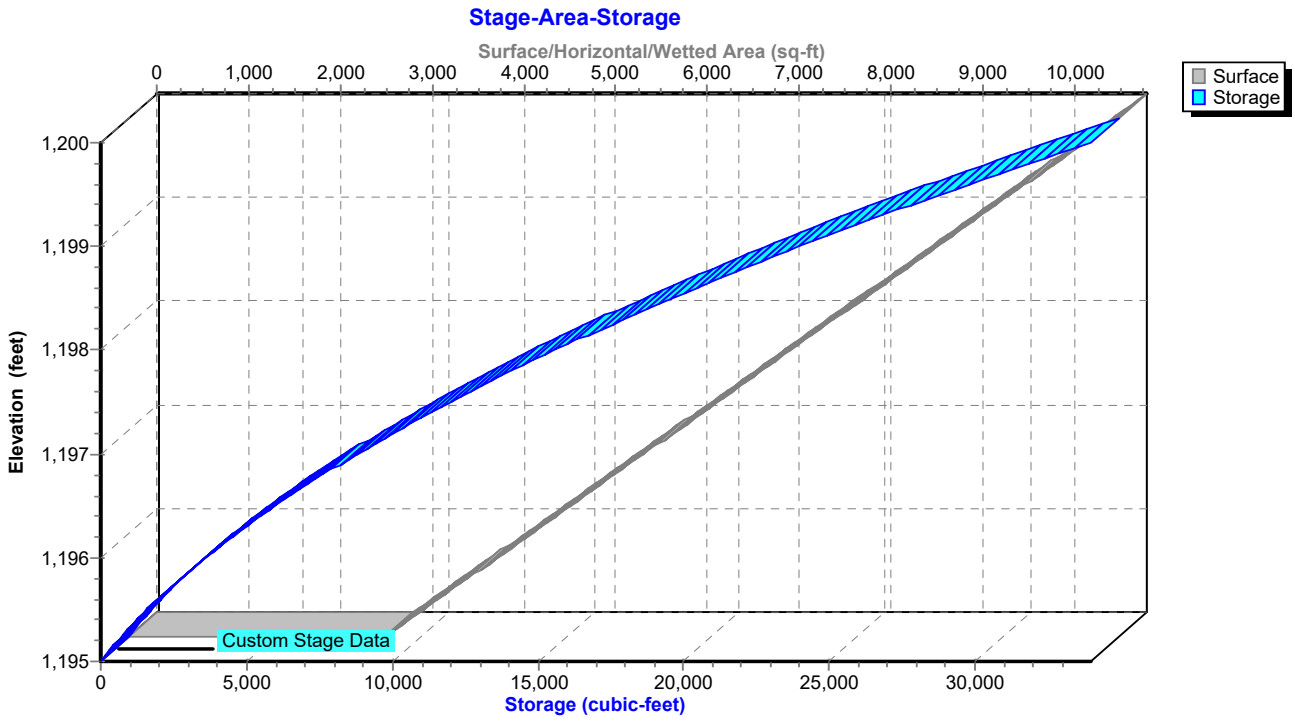
Hydrograph



Pond P3B: Pond 3B



Pond P3B: Pond 3B



Hydrograph for Pond P3B: Pond 3B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,195.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.68**	**8,900**	**1,197.02**	**1.00**	**0.50**	**0.50**	0.00
25.00	0.00	936	1,195.31	0.27	0.00	0.27	0.00
35.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3B: Pond 3B

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,195.00	0.00	0.00	0.00	0.00
1,195.10	0.25	0.00	0.25	0.00
1,195.20	0.26	0.00	0.26	0.00
1,195.30	0.27	0.00	0.27	0.00
1,195.40	0.29	0.00	0.29	0.00
1,195.50	0.30	0.00	0.30	0.00
1,195.60	0.31	0.00	0.31	0.00
1,195.70	0.33	0.00	0.33	0.00
1,195.80	0.34	0.00	0.34	0.00
1,195.90	0.35	0.00	0.35	0.00
1,196.00	0.37	0.00	0.37	0.00
1,196.10	0.38	0.00	0.38	0.00
1,196.20	0.40	0.01	0.39	0.00
1,196.30	0.43	0.02	0.41	0.00
1,196.40	0.47	0.05	0.42	0.00
1,196.50	0.52	0.08	0.43	0.00
1,196.60	0.58	0.13	0.45	0.00
1,196.70	0.65	0.19	0.46	0.00
1,196.80	0.74	0.27	0.47	0.00
1,196.90	0.85	0.36	0.49	0.00
1,197.00	0.97	0.47	0.50	0.00
1,197.10	1.11	0.60	0.51	0.00
1,197.20	1.27	0.75	0.53	0.00
1,197.30	1.45	0.91	0.54	0.00
1,197.40	1.65	1.10	0.55	0.00
1,197.50	1.87	1.31	0.57	0.00
1,197.60	2.12	1.54	0.58	0.00
1,197.70	2.38	1.79	0.59	0.00
1,197.80	2.67	2.06	0.61	0.00
1,197.90	2.98	2.36	0.62	0.00
1,198.00	3.32	2.68	0.63	0.00
1,198.10	3.68	3.03	0.65	0.00
1,198.20	4.06	3.41	0.66	0.00
1,198.30	4.48	3.81	0.67	0.00
1,198.40	4.92	4.23	0.69	0.00
1,198.50	5.39	4.69	0.70	0.00
1,198.60	5.88	5.17	0.71	0.00
1,198.70	6.33	5.61	0.73	0.00
1,198.80	6.47	5.74	0.74	0.00
1,198.90	6.61	5.86	0.75	0.00
1,199.00	6.75	5.98	0.77	0.00
1,199.10	8.48	6.10	0.78	1.60
1,199.20	11.60	6.21	0.79	4.60
1,199.30	15.83	6.33	0.81	8.70
1,199.40	21.04	6.44	0.82	13.78
1,199.50	27.47	6.55	0.83	20.08
1,199.60	35.01	6.66	0.85	27.51
1,199.70	42.73	6.76	0.86	35.10
1,199.80	51.17	6.87	0.87	43.42
1,199.90	60.31	6.97	0.89	52.45
1,200.00	**70.15**	**7.07**	**0.90**	**62.18**

Stage-Area-Storage for Pond P3B: Pond 3B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,195.00	2,799	0
1,195.05	2,879	142
1,195.10	2,959	288
1,195.15	3,039	438
1,195.20	3,119	592
1,195.25	3,198	750
1,195.30	3,278	912
1,195.35	3,358	1,078
1,195.40	3,438	1,247
1,195.45	3,518	1,421
1,195.50	3,598	1,599
1,195.55	3,678	1,781
1,195.60	3,758	1,967
1,195.65	3,837	2,157
1,195.70	3,917	2,351
1,195.75	3,997	2,549
1,195.80	4,077	2,750
1,195.85	4,157	2,956
1,195.90	4,237	3,166
1,195.95	4,317	3,380
1,196.00	4,397	3,598
1,196.05	4,476	3,820
1,196.10	4,556	4,045
1,196.15	4,636	4,275
1,196.20	4,716	4,509
1,196.25	4,796	4,747
1,196.30	4,876	4,989
1,196.35	4,956	5,234
1,196.40	5,036	5,484
1,196.45	5,116	5,738
1,196.50	5,195	5,996
1,196.55	5,275	6,258
1,196.60	5,355	6,523
1,196.65	5,435	6,793
1,196.70	5,515	7,067
1,196.75	5,595	7,345
1,196.80	5,675	7,626
1,196.85	5,755	7,912
1,196.90	5,834	8,202
1,196.95	5,914	8,495
1,197.00	5,994	8,793
1,197.05	6,074	9,095
1,197.10	6,154	9,401
1,197.15	6,234	9,710
1,197.20	6,314	10,024
1,197.25	6,394	10,342
1,197.30	6,473	10,663
1,197.35	6,553	10,989
1,197.40	6,633	11,319
1,197.45	6,713	11,652
1,197.50	6,793	11,990
1,197.55	6,873	12,332
1,197.60	6,953	12,677
1,197.65	7,033	13,027
1,197.70	7,113	13,381
1,197.75	7,192	13,738
1,197.80	7,272	14,100
1,197.85	7,352	14,465
1,197.90	7,432	14,835
1,197.95	7,512	15,209
1,198.00	7,592	15,586
1,198.05	7,672	15,968
1,198.10	7,752	16,353
1,198.15	7,831	16,743
1,198.20	7,911	17,137
1,198.25	7,991	17,534
1,198.30	8,071	17,936
1,198.35	8,151	18,341
1,198.40	8,231	18,751
1,198.45	8,311	19,164
1,198.50	8,391	19,582
1,198.55	8,470	20,003
1,198.60	8,550	20,429
1,198.65	8,630	20,858
1,198.70	8,710	21,292
1,198.75	8,790	21,729
1,198.80	8,870	22,171
1,198.85	8,950	22,616
1,198.90	9,030	23,066
1,198.95	9,110	23,519
1,199.00	9,189	23,977
1,199.05	9,269	24,438
1,199.10	9,349	24,904
1,199.15	9,429	25,373
1,199.20	9,509	25,847
1,199.25	9,589	26,324
1,199.30	9,669	26,806
1,199.35	9,749	27,291
1,199.40	9,828	27,780
1,199.45	9,908	28,274
1,199.50	9,988	28,771
1,199.55	10,068	29,273
1,199.60	10,148	29,778
1,199.65	10,228	30,287
1,199.70	10,308	30,801
1,199.75	10,388	31,318
1,199.80	10,467	31,840
1,199.85	10,547	32,365
1,199.90	10,627	32,894
1,199.95	10,707	33,428
1,200.00	**10,787**	**33,965**

Summary for Pond P3C: Pond 3C

Inflow Area = 2.490 ac, 22.89% Impervious, Inflow Depth = 1.45" for 5 YR event
Inflow = 5.62 cfs @ 12.14 hrs, Volume= 0.300 af
Outflow = 0.73 cfs @ 12.67 hrs, Volume= 0.300 af, Atten= 87%, Lag= 31.9 min
Primary = 0.42 cfs @ 12.67 hrs, Volume= 0.067 af
Routed to Link 4L : Post - North
Secondary = 0.31 cfs @ 12.67 hrs, Volume= 0.233 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,179.96' @ 12.67 hrs Surf.Area= 3,672 sf Storage= 5,454 cf

Plug-Flow detention time= 135.6 min calculated for 0.300 af (100% of inflow)
Center-of-Mass det. time= 135.6 min (968.8 - 833.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1,178.00'	14,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

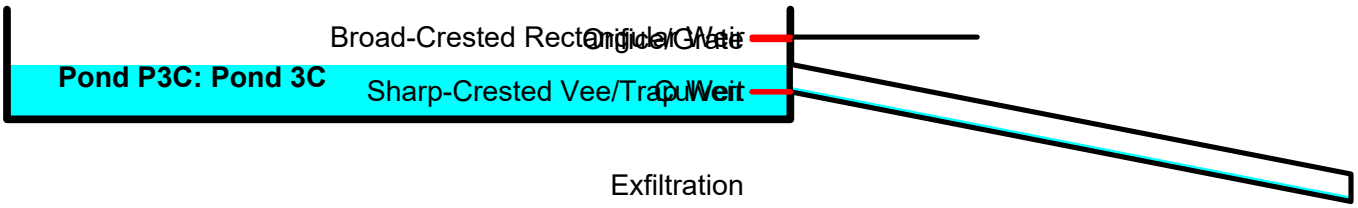
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,178.00	1,905	0	0
1,182.00	5,518	14,846	14,846

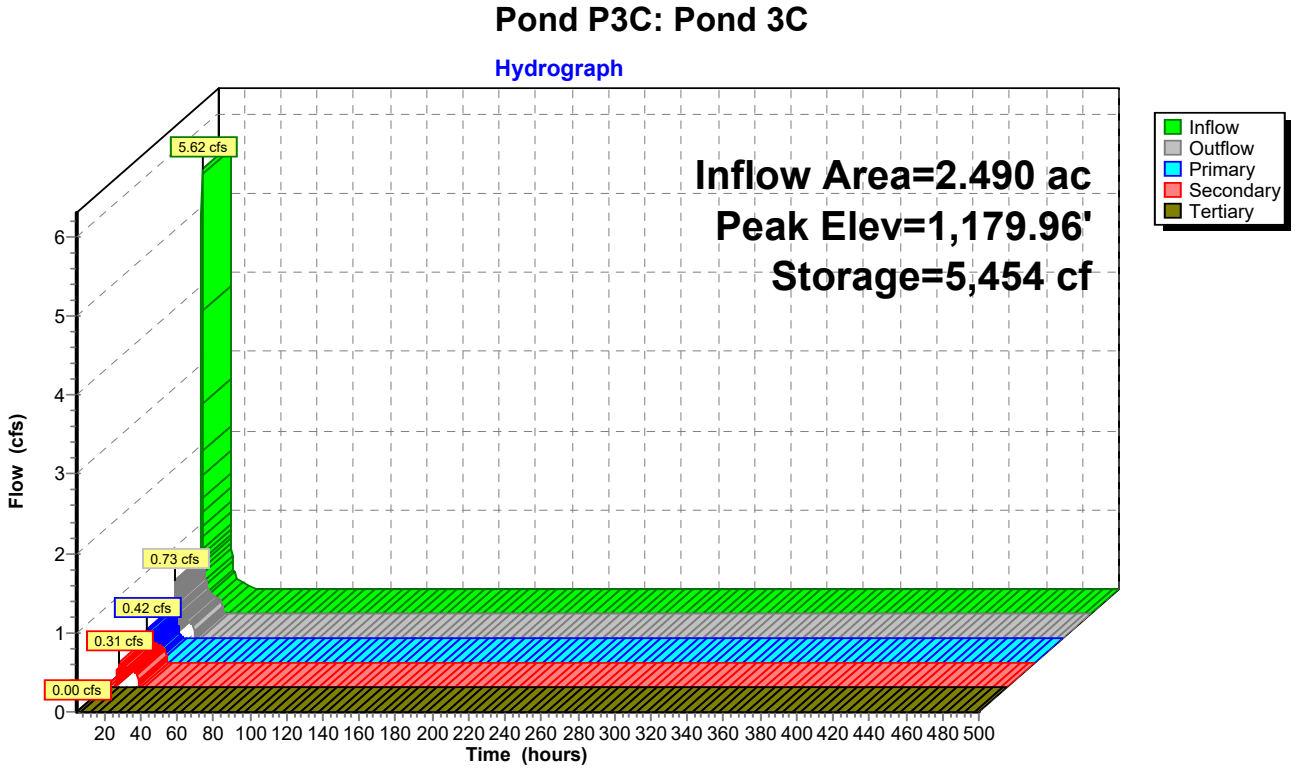
Device	Routing	Invert	Outlet Devices
#1	Primary	1,179.00'	**12.0" Round Culvert** L= 30.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,179.00' / 1,175.00' S= 0.1333 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,179.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,180.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,178.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,181.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.42 cfs @ 12.67 hrs HW=1,179.96' (Free Discharge)
└**1=Culvert** (Passes 0.42 cfs of 2.57 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.42 cfs @ 2.63 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

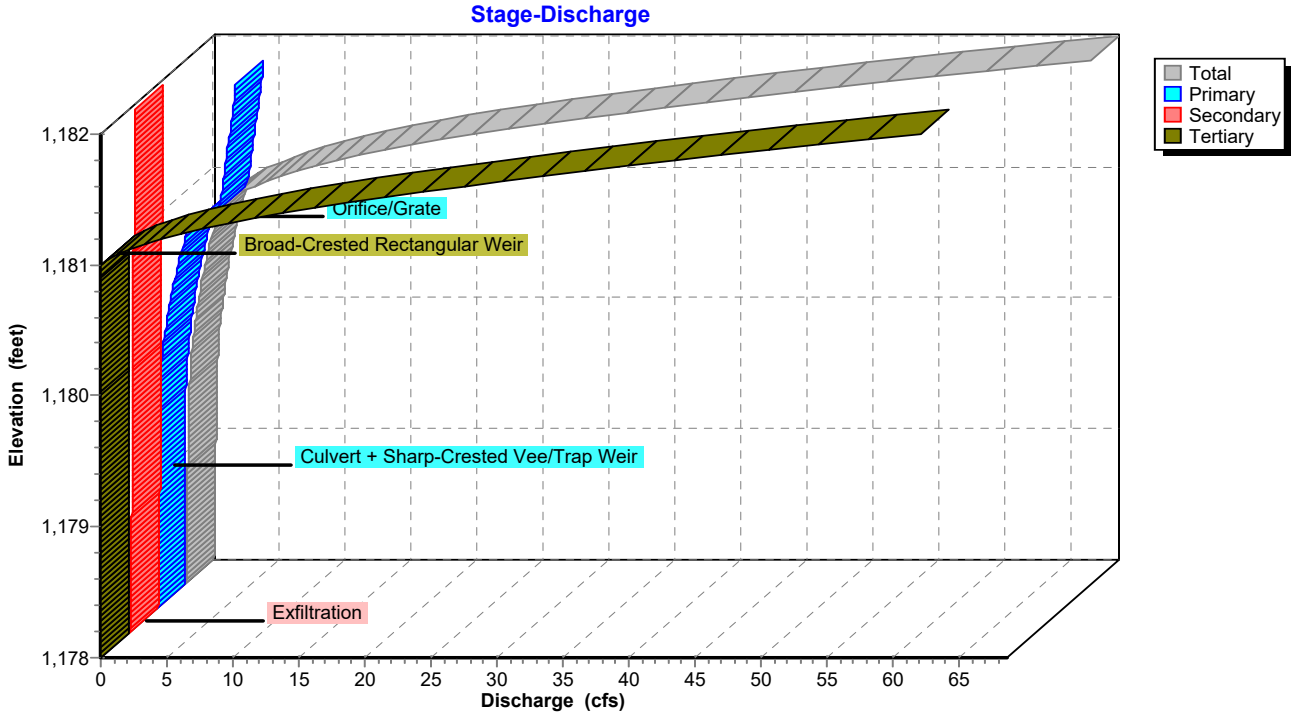
Secondary OutFlow Max=0.31 cfs @ 12.67 hrs HW=1,179.96' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.31 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,178.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

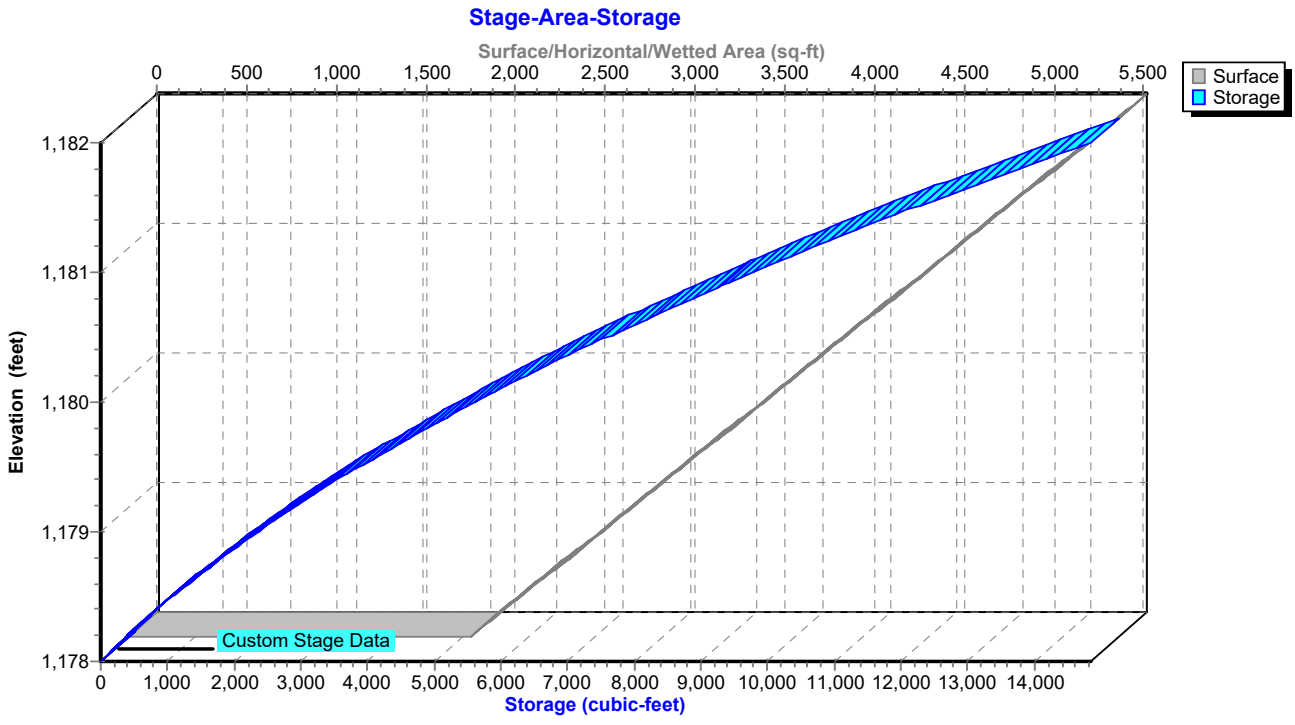

Broad-Crested Rectangular Weir
Orifice/Grate
Pond P3C: Pond 3C
Sharp-Crested Vee/Trap Weir
Culvert
Exfiltration


Pond P3C: Pond 3C
Hydrograph
Inflow Area=2.490 ac
Peak Elev=1,179.96'
Storage=5,454 cf
Inflow
Outflow
Primary
Secondary
Tertiary
5.62 cfs
0.73 cfs
0.42 cfs
0.31 cfs
0.00 cfs
Flow (cfs)
Time (hours)

Pond P3C: Pond 3C



Pond P3C: Pond 3C



Hydrograph for Pond P3C: Pond 3C

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,178.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.22**	**3,926**	**1,179.52**	**0.36**	**0.09**	**0.27**	0.00
25.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3C: Pond 3C

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,178.00	0.00	0.00	0.00	0.00
1,178.10	0.17	0.00	0.17	0.00
1,178.20	0.17	0.00	0.17	0.00
1,178.30	0.18	0.00	0.18	0.00
1,178.40	0.19	0.00	0.19	0.00
1,178.50	0.20	0.00	0.20	0.00
1,178.60	0.20	0.00	0.20	0.00
1,178.70	0.21	0.00	0.21	0.00
1,178.80	0.22	0.00	0.22	0.00
1,178.90	0.23	0.00	0.23	0.00
1,179.00	0.23	0.00	0.23	0.00
1,179.10	0.24	0.00	0.24	0.00
1,179.20	0.26	0.01	0.25	0.00
1,179.30	0.28	0.02	0.26	0.00
1,179.40	0.31	0.05	0.26	0.00
1,179.50	0.36	0.08	0.27	0.00
1,179.60	0.41	0.13	0.28	0.00
1,179.70	0.48	0.19	0.29	0.00
1,179.80	0.57	0.27	0.29	0.00
1,179.90	0.67	0.36	0.30	0.00
1,180.00	0.78	0.47	0.31	0.00
1,180.10	0.92	0.60	0.32	0.00
1,180.20	1.07	0.75	0.32	0.00
1,180.30	1.25	0.91	0.33	0.00
1,180.40	1.44	1.10	0.34	0.00
1,180.50	1.65	1.31	0.35	0.00
1,180.60	1.89	1.54	0.35	0.00
1,180.70	2.15	1.79	0.36	0.00
1,180.80	2.43	2.06	0.37	0.00
1,180.90	2.74	2.36	0.38	0.00
1,181.00	4.10	3.72	0.38	0.00
1,181.10	6.78	4.78	0.39	1.60
1,181.20	9.93	4.93	0.40	4.60
1,181.30	14.18	5.07	0.41	8.70
1,181.40	19.41	5.21	0.41	13.78
1,181.50	25.85	5.35	0.42	20.08
1,181.60	33.42	5.48	0.43	27.51
1,181.70	41.15	5.61	0.44	35.10
1,181.80	49.60	5.74	0.44	43.42
1,181.90	58.76	5.86	0.45	52.45
1,182.00	**68.62**	**5.98**	**0.46**	**62.18**

Stage-Area-Storage for Pond P3C: Pond 3C

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,178.00	1,905	0
1,178.05	1,950	96
1,178.10	1,995	195
1,178.15	2,040	296
1,178.20	2,086	399
1,178.25	2,131	504
1,178.30	2,176	612
1,178.35	2,221	722
1,178.40	2,266	834
1,178.45	2,311	949
1,178.50	2,357	1,065
1,178.55	2,402	1,184
1,178.60	2,447	1,306
1,178.65	2,492	1,429
1,178.70	2,537	1,555
1,178.75	2,582	1,683
1,178.80	2,628	1,813
1,178.85	2,673	1,946
1,178.90	2,718	2,080
1,178.95	2,763	2,217
1,179.00	2,808	2,357
1,179.05	2,853	2,498
1,179.10	2,899	2,642
1,179.15	2,944	2,788
1,179.20	2,989	2,936
1,179.25	3,034	3,087
1,179.30	3,079	3,240
1,179.35	3,124	3,395
1,179.40	3,170	3,552
1,179.45	3,215	3,712
1,179.50	3,260	3,874
1,179.55	3,305	4,038
1,179.60	3,350	4,204
1,179.65	3,395	4,373
1,179.70	3,441	4,544
1,179.75	3,486	4,717
1,179.80	3,531	4,892
1,179.85	3,576	5,070
1,179.90	3,621	5,250
1,179.95	3,666	5,432
1,180.00	3,712	5,617
1,180.05	3,757	5,803
1,180.10	3,802	5,992
1,180.15	3,847	6,183
1,180.20	3,892	6,377
1,180.25	3,937	6,573
1,180.30	3,982	6,771
1,180.35	4,028	6,971
1,180.40	4,073	7,173
1,180.45	4,118	7,378
1,180.50	4,163	7,585
1,180.55	4,208	7,794
1,180.60	4,253	8,006
1,180.65	4,299	8,220
1,180.70	4,344	8,436
1,180.75	4,389	8,654
1,180.80	4,434	8,875
1,180.85	4,479	9,098
1,180.90	4,524	9,323
1,180.95	4,570	9,550
1,181.00	4,615	9,780
1,181.05	4,660	10,011
1,181.10	4,705	10,246
1,181.15	4,750	10,482
1,181.20	4,795	10,721
1,181.25	4,841	10,962
1,181.30	4,886	11,205
1,181.35	4,931	11,450
1,181.40	4,976	11,698
1,181.45	5,021	11,948
1,181.50	5,066	12,200
1,181.55	5,112	12,454
1,181.60	5,157	12,711
1,181.65	5,202	12,970
1,181.70	5,247	13,231
1,181.75	5,292	13,495
1,181.80	5,337	13,760
1,181.85	5,383	14,028
1,181.90	5,428	14,299
1,181.95	5,473	14,571
1,182.00	**5,518**	**14,846**

Summary for Pond P3D: Pond 3D

Inflow Area = 2.380 ac, 23.95% Impervious, Inflow Depth = 1.51" for 5 YR event
Inflow = 5.64 cfs @ 12.14 hrs, Volume= 0.300 af
Outflow = 1.92 cfs @ 12.32 hrs, Volume= 0.300 af, Atten= 66%, Lag= 11.2 min
Primary = 1.72 cfs @ 12.32 hrs, Volume= 0.153 af
Routed to Link 4L : Post - North
Secondary = 0.20 cfs @ 12.32 hrs, Volume= 0.147 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,189.67' @ 12.32 hrs Surf.Area= 2,434 sf Storage= 4,243 cf

Plug-Flow detention time= 90.2 min calculated for 0.300 af (100% of inflow)
Center-of-Mass det. time= 90.2 min (920.9 - 830.7)

Volume	Invert	Avail.Storage	Storage Description
#1	1,187.00'	11,620 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

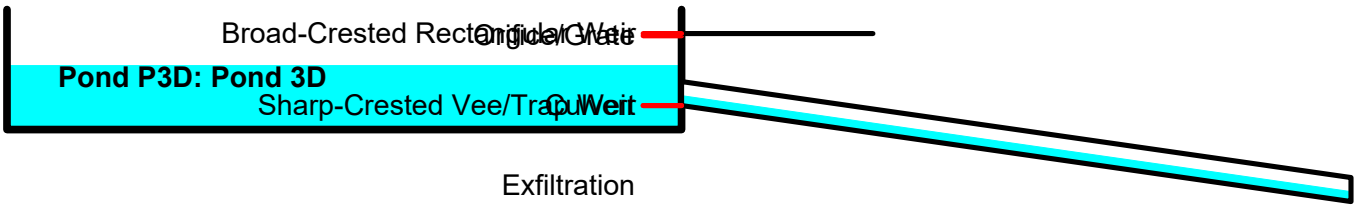
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,187.00	741	0	0
1,192.00	3,907	11,620	11,620

Device	Routing	Invert	Outlet Devices
#1	Primary	1,188.00'	**12.0" Round Culvert** L= 35.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,188.00' / 1,184.00' S= 0.1143 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,188.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,190.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,187.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,191.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=1.71 cfs @ 12.32 hrs HW=1,189.67' (Free Discharge)
└**1=Culvert** (Passes 1.71 cfs of 4.09 cfs potential flow)
└**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 1.71 cfs @ 3.47 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

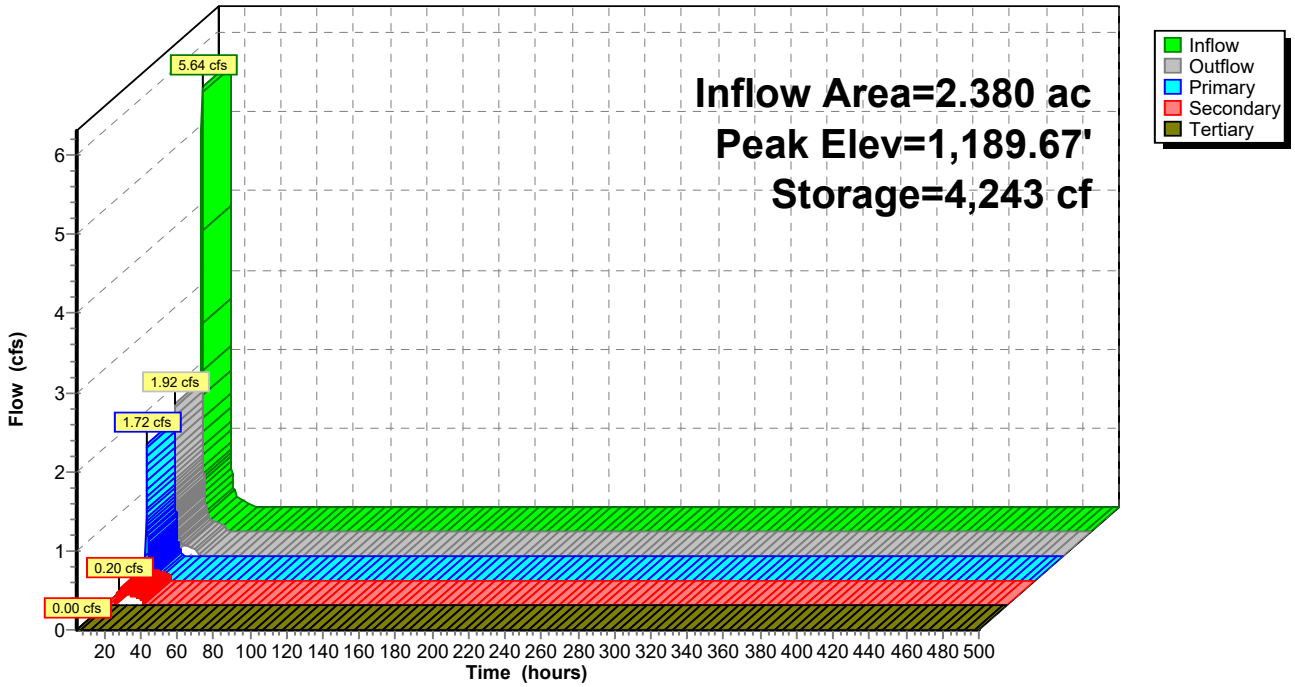
Secondary OutFlow Max=0.20 cfs @ 12.32 hrs HW=1,189.67' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.20 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,187.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

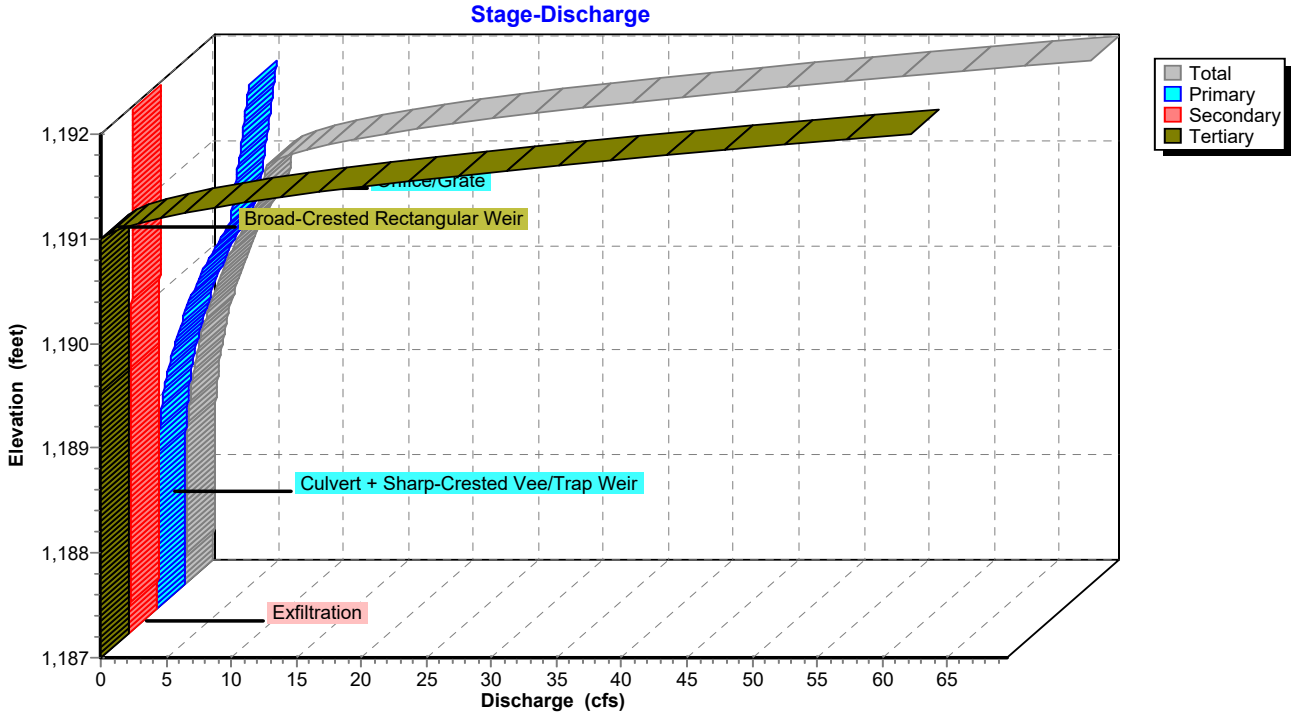


Pond P3D: Pond 3D

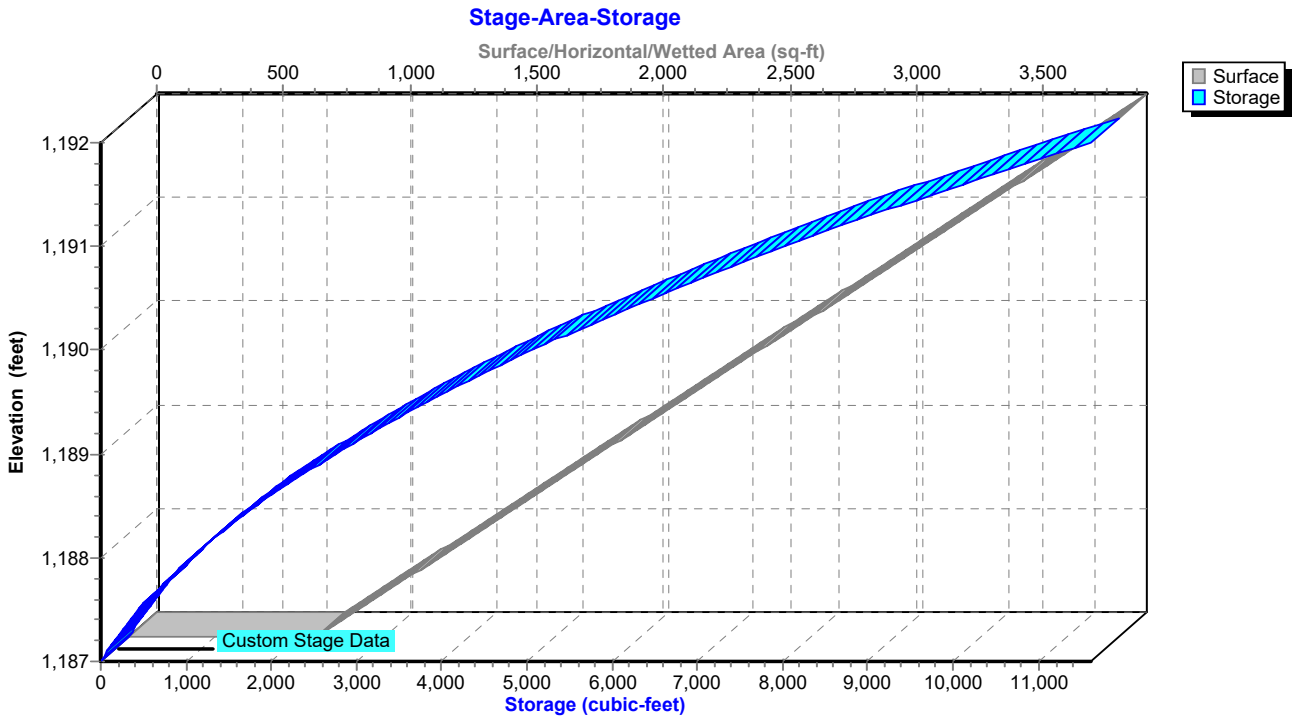
Hydrograph



Pond P3D: Pond 3D



Pond P3D: Pond 3D



Hydrograph for Pond P3D: Pond 3D

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,187.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.22**	**1,976**	**1,188.59**	**0.27**	**0.13**	**0.15**	0.00
25.00	0.00	155	1,187.19	0.07	0.00	0.07	0.00
35.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3D: Pond 3D

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,187.00	0.00	0.00	0.00	0.00
1,187.10	0.07	0.00	0.07	0.00
1,187.20	0.07	0.00	0.07	0.00
1,187.30	0.08	0.00	0.08	0.00
1,187.40	0.08	0.00	0.08	0.00
1,187.50	0.09	0.00	0.09	0.00
1,187.60	0.09	0.00	0.09	0.00
1,187.70	0.10	0.00	0.10	0.00
1,187.80	0.10	0.00	0.10	0.00
1,187.90	0.11	0.00	0.11	0.00
1,188.00	0.11	0.00	0.11	0.00
1,188.10	0.12	0.00	0.12	0.00
1,188.20	0.13	0.01	0.13	0.00
1,188.30	0.15	0.02	0.13	0.00
1,188.40	0.18	0.05	0.14	0.00
1,188.50	0.22	0.08	0.14	0.00
1,188.60	0.28	0.13	0.15	0.00
1,188.70	0.35	0.19	0.15	0.00
1,188.80	0.43	0.27	0.16	0.00
1,188.90	0.53	0.36	0.16	0.00
1,189.00	0.64	0.47	0.17	0.00
1,189.10	0.77	0.60	0.17	0.00
1,189.20	0.93	0.75	0.18	0.00
1,189.30	1.10	0.91	0.18	0.00
1,189.40	1.29	1.10	0.19	0.00
1,189.50	1.50	1.31	0.19	0.00
1,189.60	1.73	1.54	0.20	0.00
1,189.70	1.99	1.79	0.20	0.00
1,189.80	2.27	2.06	0.21	0.00
1,189.90	2.58	2.36	0.21	0.00
1,190.00	2.90	2.68	0.22	0.00
1,190.10	3.26	3.03	0.23	0.00
1,190.20	3.64	3.41	0.23	0.00
1,190.30	4.04	3.81	0.24	0.00
1,190.40	4.47	4.23	0.24	0.00
1,190.50	4.93	4.69	0.25	0.00
1,190.60	5.42	5.17	0.25	0.00
1,190.70	5.87	5.61	0.26	0.00
1,190.80	6.00	5.74	0.26	0.00
1,190.90	6.13	5.86	0.27	0.00
1,191.00	6.25	5.98	0.27	0.00
1,191.10	7.98	6.10	0.28	1.60
1,191.20	11.09	6.21	0.28	4.60
1,191.30	15.31	6.33	0.29	8.70
1,191.40	20.52	6.44	0.29	13.78
1,191.50	26.93	6.55	0.30	20.08
1,191.60	34.47	6.66	0.30	27.51
1,191.70	42.18	6.76	0.31	35.10
1,191.80	50.61	6.87	0.32	43.42
1,191.90	59.75	6.97	0.32	52.45
1,192.00	**69.58**	**7.07**	**0.33**	**62.18**

Stage-Area-Storage for Pond P3D: Pond 3D

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,187.00	741	0
1,187.05	773	38
1,187.10	804	77
1,187.15	836	118
1,187.20	868	161
1,187.25	899	205
1,187.30	931	251
1,187.35	963	298
1,187.40	994	347
1,187.45	1,026	398
1,187.50	1,058	450
1,187.55	1,089	503
1,187.60	1,121	559
1,187.65	1,153	615
1,187.70	1,184	674
1,187.75	1,216	734
1,187.80	1,248	795
1,187.85	1,279	859
1,187.90	1,311	923
1,187.95	1,343	990
1,188.00	1,374	1,058
1,188.05	1,406	1,127
1,188.10	1,438	1,198
1,188.15	1,469	1,271
1,188.20	1,501	1,345
1,188.25	1,533	1,421
1,188.30	1,564	1,498
1,188.35	1,596	1,577
1,188.40	1,627	1,658
1,188.45	1,659	1,740
1,188.50	1,691	1,824
1,188.55	1,722	1,909
1,188.60	1,754	1,996
1,188.65	1,786	2,085
1,188.70	1,817	2,175
1,188.75	1,849	2,266
1,188.80	1,881	2,360
1,188.85	1,912	2,454
1,188.90	1,944	2,551
1,188.95	1,976	2,649
1,189.00	2,007	2,748
1,189.05	2,039	2,850
1,189.10	2,071	2,952
1,189.15	2,102	3,057
1,189.20	2,134	3,163
1,189.25	2,166	3,270
1,189.30	2,197	3,379
1,189.35	2,229	3,490
1,189.40	2,261	3,602
1,189.45	2,292	3,716
1,189.50	2,324	3,831
1,189.55	2,356	3,948
1,189.60	2,387	4,067
1,189.65	2,419	4,187
1,189.70	2,451	4,309
1,189.75	2,482	4,432
1,189.80	2,514	4,557
1,189.85	2,546	4,683
1,189.90	2,577	4,812
1,189.95	2,609	4,941
1,190.00	2,641	5,072
1,190.05	2,672	5,205
1,190.10	2,704	5,340
1,190.15	2,736	5,476
1,190.20	2,767	5,613
1,190.25	2,799	5,752
1,190.30	2,831	5,893
1,190.35	2,862	6,035
1,190.40	2,894	6,179
1,190.45	2,926	6,325
1,190.50	2,957	6,472
1,190.55	2,989	6,621
1,190.60	3,021	6,771
1,190.65	3,052	6,923
1,190.70	3,084	7,076
1,190.75	3,116	7,231
1,190.80	3,147	7,388
1,190.85	3,179	7,546
1,190.90	3,210	7,705
1,190.95	3,242	7,867
1,191.00	3,274	8,030
1,191.05	3,305	8,194
1,191.10	3,337	8,360
1,191.15	3,369	8,528
1,191.20	3,400	8,697
1,191.25	3,432	8,868
1,191.30	3,464	9,040
1,191.35	3,495	9,214
1,191.40	3,527	9,390
1,191.45	3,559	9,567
1,191.50	3,590	9,746
1,191.55	3,622	9,926
1,191.60	3,654	10,108
1,191.65	3,685	10,291
1,191.70	3,717	10,476
1,191.75	3,749	10,663
1,191.80	3,780	10,851
1,191.85	3,812	11,041
1,191.90	3,844	11,232
1,191.95	3,875	11,425
1,192.00	**3,907**	**11,620**

Summary for Pond P3E: Pond 3E

Inflow Area = 2.780 ac, 19.06% Impervious, Inflow Depth = 1.38" for 5 YR event
Inflow = 5.98 cfs @ 12.14 hrs, Volume= 0.320 af
Outflow = 0.67 cfs @ 12.92 hrs, Volume= 0.320 af, Atten= 89%, Lag= 47.0 min
Primary = 0.35 cfs @ 12.92 hrs, Volume= 0.060 af
Routed to Link 4L : Post - North
Secondary = 0.32 cfs @ 12.92 hrs, Volume= 0.260 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,217.88' @ 12.92 hrs Surf.Area= 3,815 sf Storage= 5,965 cf

Plug-Flow detention time= 147.5 min calculated for 0.320 af (100% of inflow)
Center-of-Mass det. time= 147.5 min (983.2 - 835.7)

Volume	Invert	Avail.Storage	Storage Description
#1	1,216.00'	15,578 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

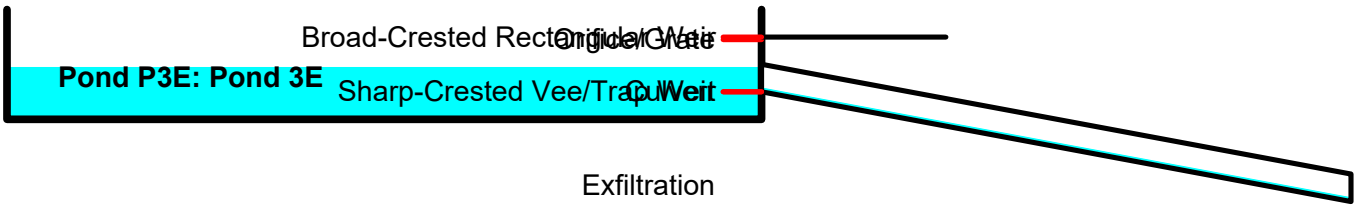
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,216.00	2,517	0	0
1,220.00	5,272	15,578	15,578

Device	Routing	Invert	Outlet Devices
#1	Primary	1,217.00'	**12.0" Round Culvert** L= 32.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,217.00' / 1,213.00' S= 0.1250 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,217.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,218.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,216.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,219.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

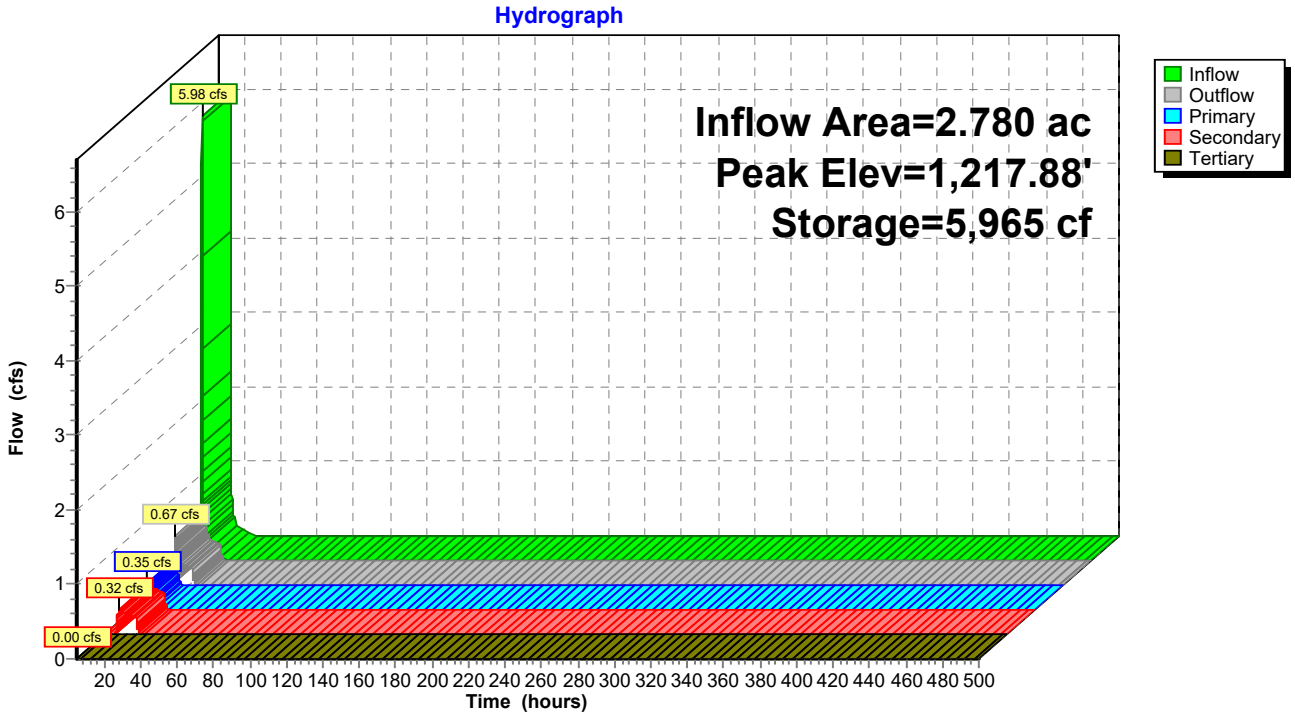
Primary OutFlow Max=0.35 cfs @ 12.92 hrs HW=1,217.88' (Free Discharge)
└**1=Culvert** (Passes 0.35 cfs of 2.35 cfs potential flow)
└**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.35 cfs @ 2.53 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.32 cfs @ 12.92 hrs HW=1,217.88' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.32 cfs)

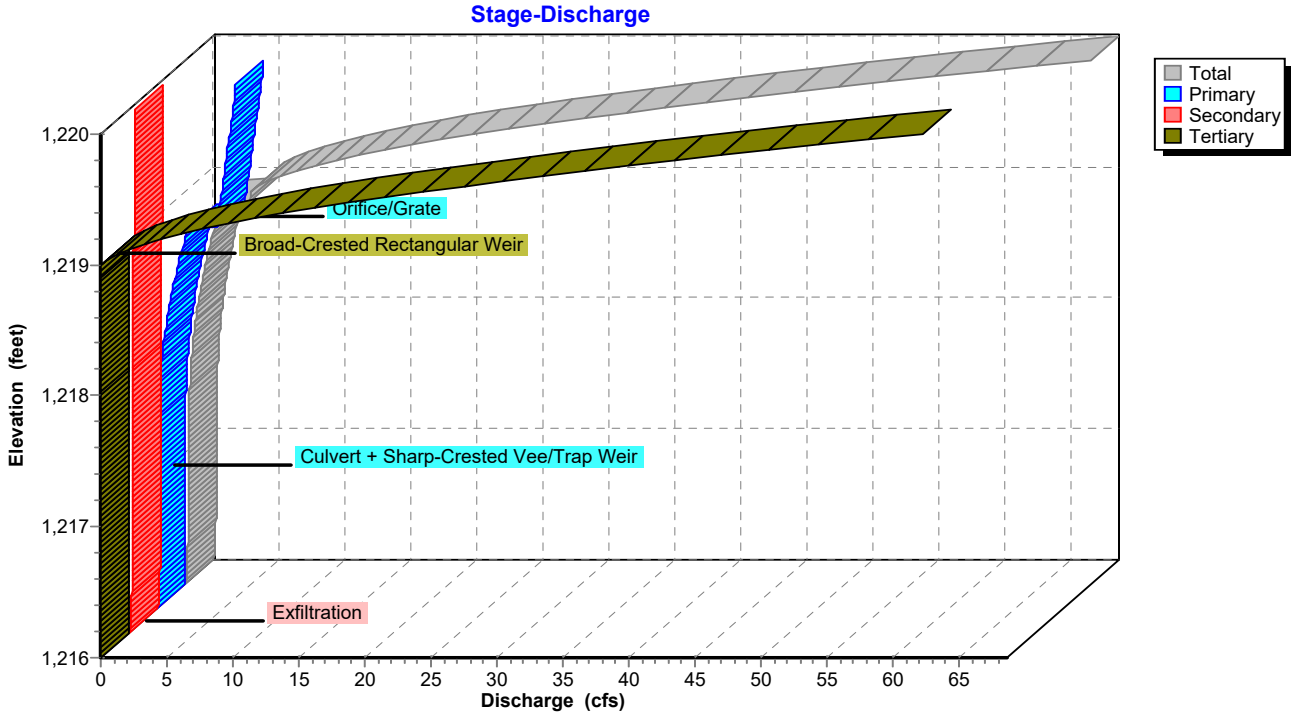
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,216.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



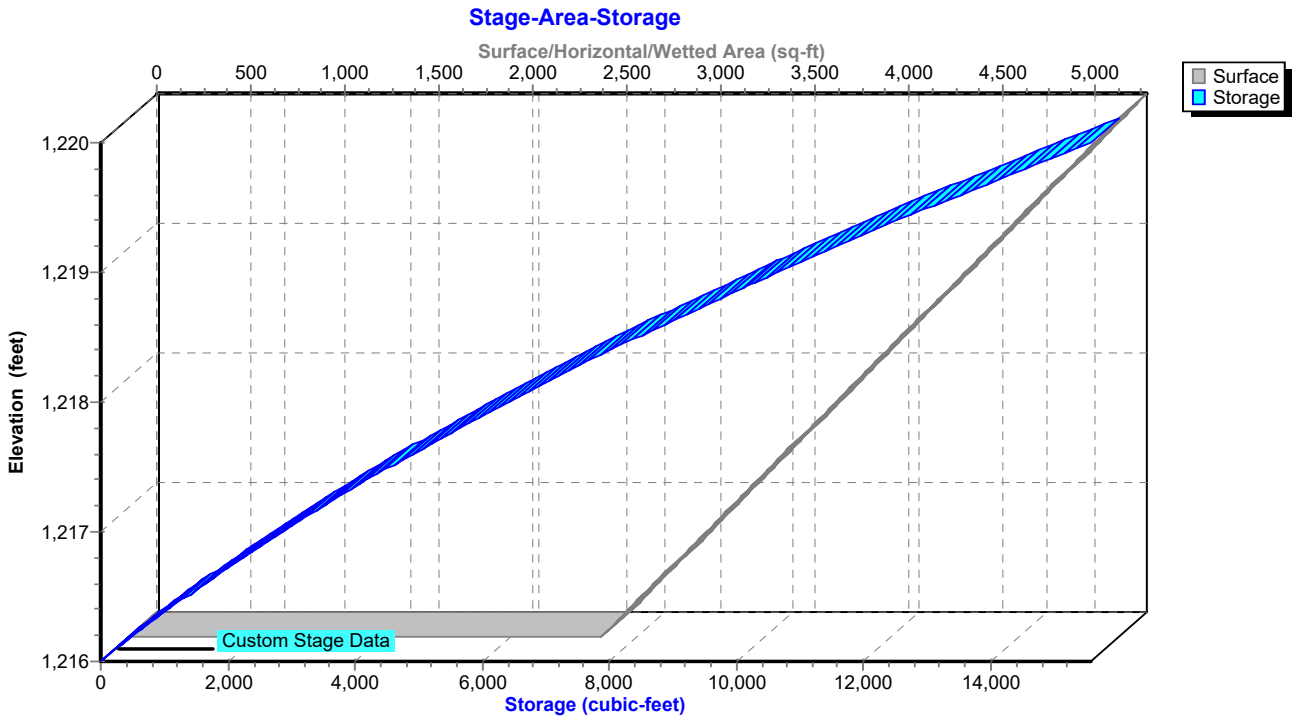
Pond P3E: Pond 3E



Pond P3E: Pond 3E



Pond P3E: Pond 3E



Hydrograph for Pond P3E: Pond 3E

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,216.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.24**	**4,630**	**1,217.52**	**0.39**	**0.09**	**0.30**	0.00
25.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3E: Pond 3E

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,216.00	0.00	0.00	0.00	0.00
1,216.10	0.22	0.00	0.22	0.00
1,216.20	0.22	0.00	0.22	0.00
1,216.30	0.23	0.00	0.23	0.00
1,216.40	0.23	0.00	0.23	0.00
1,216.50	0.24	0.00	0.24	0.00
1,216.60	0.24	0.00	0.24	0.00
1,216.70	0.25	0.00	0.25	0.00
1,216.80	0.26	0.00	0.26	0.00
1,216.90	0.26	0.00	0.26	0.00
1,217.00	0.27	0.00	0.27	0.00
1,217.10	0.27	0.00	0.27	0.00
1,217.20	0.29	0.01	0.28	0.00
1,217.30	0.31	0.02	0.28	0.00
1,217.40	0.34	0.05	0.29	0.00
1,217.50	0.38	0.08	0.30	0.00
1,217.60	0.43	0.13	0.30	0.00
1,217.70	0.50	0.19	0.31	0.00
1,217.80	0.58	0.27	0.31	0.00
1,217.90	0.68	0.36	0.32	0.00
1,218.00	0.80	0.47	0.32	0.00
1,218.10	0.93	0.60	0.33	0.00
1,218.20	1.08	0.75	0.34	0.00
1,218.30	1.26	0.91	0.34	0.00
1,218.40	1.45	1.10	0.35	0.00
1,218.50	1.66	1.31	0.35	0.00
1,218.60	1.89	1.54	0.36	0.00
1,218.70	2.15	1.79	0.36	0.00
1,218.80	2.43	2.06	0.37	0.00
1,218.90	2.74	2.36	0.38	0.00
1,219.00	5.01	4.63	0.38	0.00
1,219.10	6.77	4.78	0.39	1.60
1,219.20	9.92	4.93	0.39	4.60
1,219.30	14.17	5.07	0.40	8.70
1,219.40	19.40	5.21	0.40	13.78
1,219.50	25.84	5.35	0.41	20.08
1,219.60	33.40	5.48	0.42	27.51
1,219.70	41.13	5.61	0.42	35.10
1,219.80	49.59	5.74	0.43	43.42
1,219.90	58.74	5.86	0.43	52.45
1,220.00	**68.59**	**5.98**	**0.44**	**62.18**

Stage-Area-Storage for Pond P3E: Pond 3E

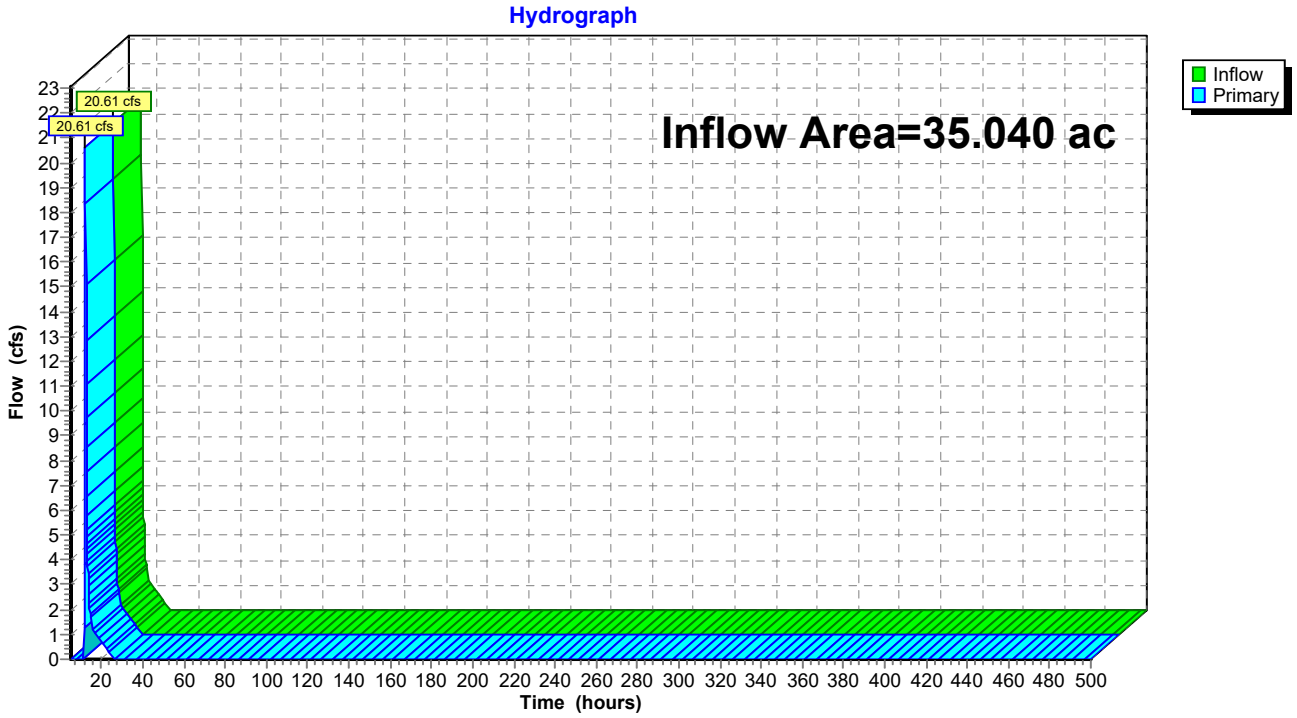
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,216.00	2,517	0
1,216.05	2,551	127
1,216.10	2,586	255
1,216.15	2,620	385
1,216.20	2,655	517
1,216.25	2,689	651
1,216.30	2,724	786
1,216.35	2,758	923
1,216.40	2,793	1,062
1,216.45	2,827	1,202
1,216.50	2,861	1,345
1,216.55	2,896	1,489
1,216.60	2,930	1,634
1,216.65	2,965	1,782
1,216.70	2,999	1,931
1,216.75	3,034	2,081
1,216.80	3,068	2,234
1,216.85	3,102	2,388
1,216.90	3,137	2,544
1,216.95	3,171	2,702
1,217.00	3,206	2,861
1,217.05	3,240	3,023
1,217.10	3,275	3,185
1,217.15	3,309	3,350
1,217.20	3,344	3,516
1,217.25	3,378	3,684
1,217.30	3,412	3,854
1,217.35	3,447	4,026
1,217.40	3,481	4,199
1,217.45	3,516	4,374
1,217.50	3,550	4,550
1,217.55	3,585	4,729
1,217.60	3,619	4,909
1,217.65	3,653	5,091
1,217.70	3,688	5,274
1,217.75	3,722	5,459
1,217.80	3,757	5,646
1,217.85	3,791	5,835
1,217.90	3,826	6,025
1,217.95	3,860	6,218
1,218.00	3,895	6,412
1,218.05	3,929	6,607
1,218.10	3,963	6,804
1,218.15	3,998	7,003
1,218.20	4,032	7,204
1,218.25	4,067	7,407
1,218.30	4,101	7,611
1,218.35	4,136	7,817
1,218.40	4,170	8,024
1,218.45	4,204	8,234
1,218.50	4,239	8,445
1,218.55	4,273	8,658
1,218.60	4,308	8,872
1,218.65	4,342	9,088
1,218.70	4,377	9,306
1,218.75	4,411	9,526
1,218.80	4,445	9,747
1,218.85	4,480	9,971
1,218.90	4,514	10,195
1,218.95	4,549	10,422
1,219.00	4,583	10,650
1,219.05	4,618	10,880
1,219.10	4,652	11,112
1,219.15	4,687	11,346
1,219.20	4,721	11,581
1,219.25	4,755	11,818
1,219.30	4,790	12,056
1,219.35	4,824	12,297
1,219.40	4,859	12,539
1,219.45	4,893	12,783
1,219.50	4,928	13,028
1,219.55	4,962	13,275
1,219.60	4,996	13,524
1,219.65	5,031	13,775
1,219.70	5,065	14,027
1,219.75	5,100	14,282
1,219.80	5,134	14,537
1,219.85	5,169	14,795
1,219.90	5,203	15,054
1,219.95	5,238	15,315
1,220.00	**5,272**	**15,578**

Summary for Link 1L: Total Pre - Development

Inflow Area = 35.040 ac, 0.00% Impervious, Inflow Depth = 0.58" for 5 YR event
Inflow = 20.61 cfs @ 12.20 hrs, Volume= 1.684 af
Primary = 20.61 cfs @ 12.20 hrs, Volume= 1.684 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 1L: Total Pre - Development



Hydrograph for Link 1L: Total Pre - Development

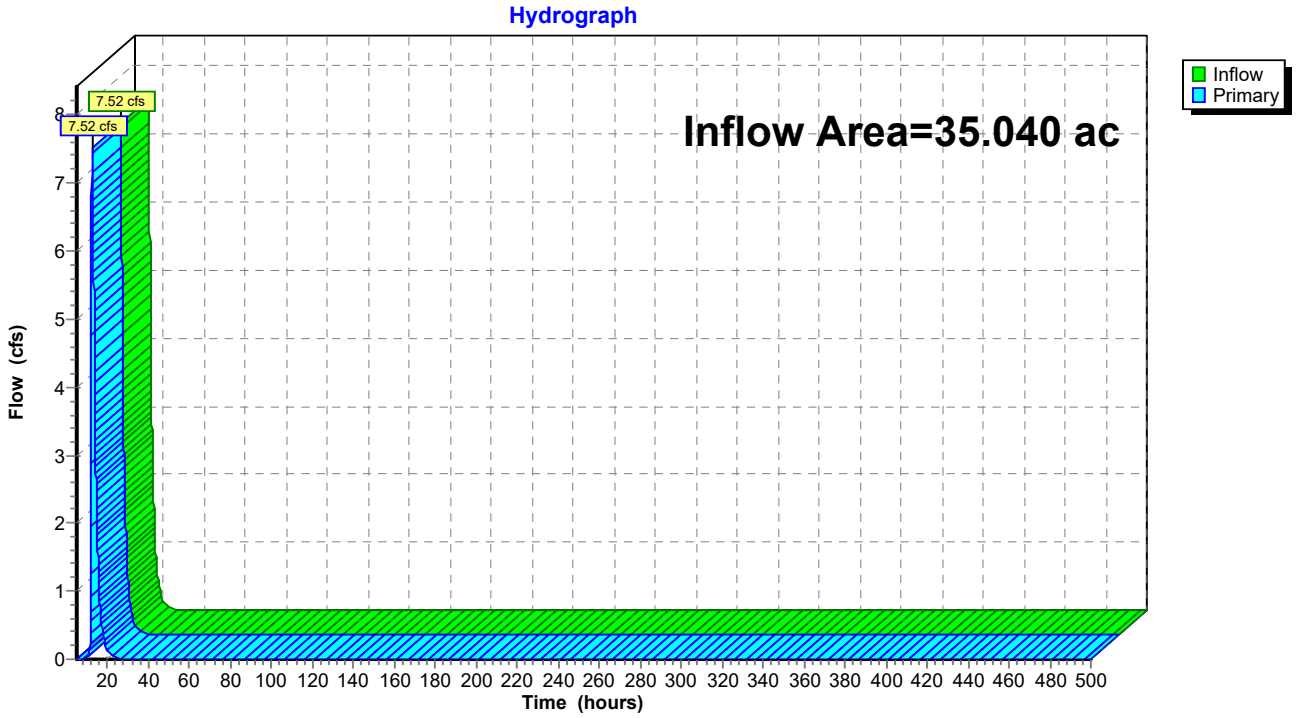
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**1.75**	0.00	**1.75**	270.00	0.00	0.00	0.00
20.00	0.70	0.00	0.70	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 2L: Total Post - Development

Inflow Area = 35.040 ac, 19.66% Impervious, Inflow Depth = 0.48" for 5 YR event
Inflow = 7.52 cfs @ 12.49 hrs, Volume= 1.408 af
Primary = 7.52 cfs @ 12.49 hrs, Volume= 1.408 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 2L: Total Post - Development



Hydrograph for Link 2L: Total Post - Development

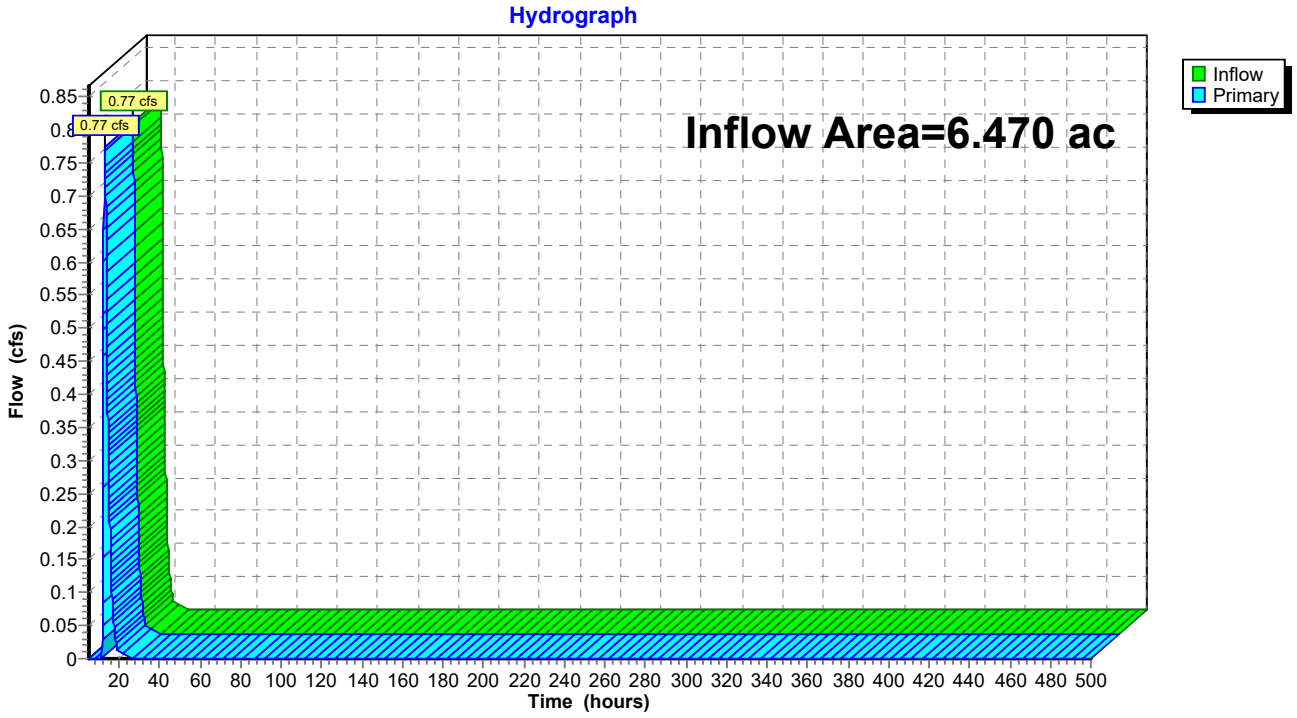
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.02**	0.00	**0.02**	265.00	0.00	0.00	0.00
15.00	**1.85**	0.00	**1.85**	270.00	0.00	0.00	0.00
20.00	0.11	0.00	0.11	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 3L: Post - South

Inflow Area = 6.470 ac, 18.70% Impervious, Inflow Depth = 0.31" for 5 YR event
Inflow = 0.77 cfs @ 12.85 hrs, Volume= 0.167 af
Primary = 0.77 cfs @ 12.85 hrs, Volume= 0.167 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 3L: Post - South



Hydrograph for Link 3L: Post - South

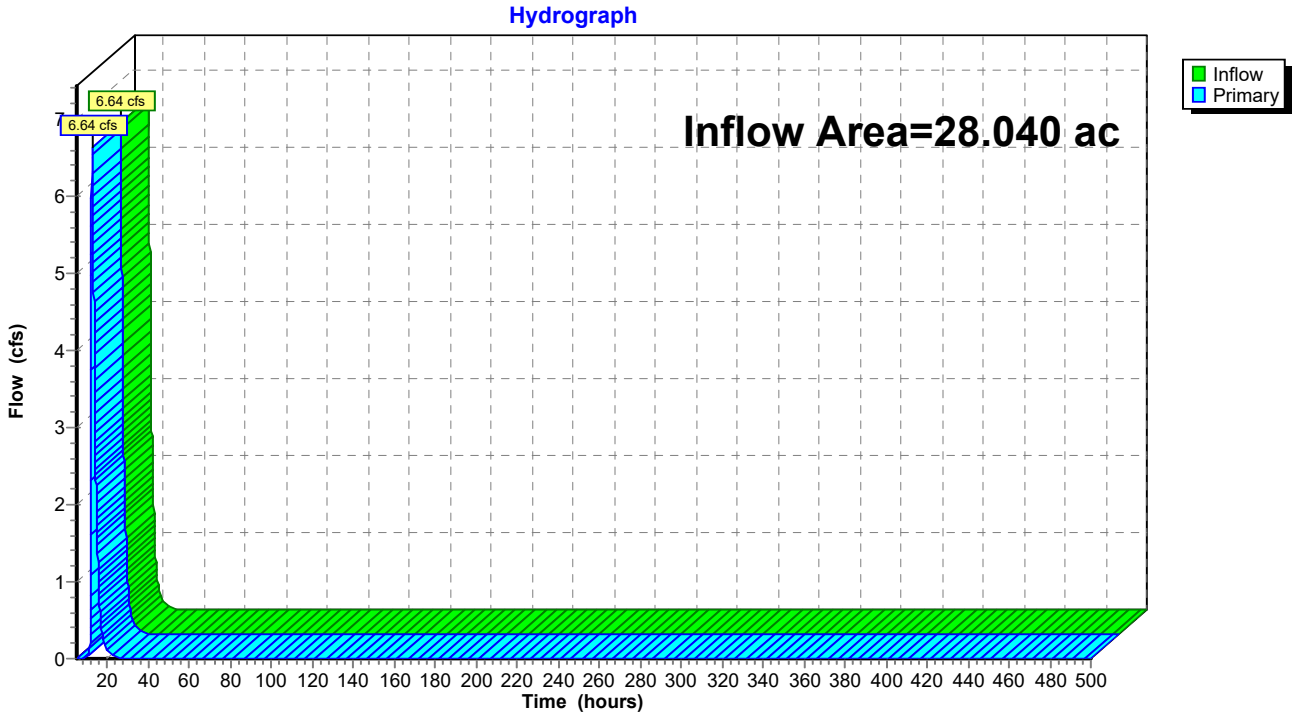
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.26**	0.00	**0.26**	270.00	0.00	0.00	0.00
20.00	0.01	0.00	0.01	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 4L: Post - North

Inflow Area = 28.040 ac, 20.04% Impervious, Inflow Depth = 0.51" for 5 YR event
Inflow = 6.64 cfs @ 12.48 hrs, Volume= 1.203 af
Primary = 6.64 cfs @ 12.48 hrs, Volume= 1.203 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 4L: Post - North



Hydrograph for Link 4L: Post - North

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.02**	0.00	**0.02**	265.00	0.00	0.00	0.00
15.00	**1.55**	0.00	**1.55**	270.00	0.00	0.00	0.00
20.00	0.09	0.00	0.09	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Time span=5.00-500.00 hrs, dt=0.05 hrs, 9901 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1: Pre - South Runoff Area=4.910 ac 0.00% Impervious Runoff Depth=0.65"
Tc=10.0 min CN=55 Runoff=3.23 cfs 0.268 af

Subcatchment1A: Post 1A Runoff Area=6.030 ac 19.24% Impervious Runoff Depth=1.40"
Tc=6.0 min CN=68 Runoff=13.00 cfs 0.703 af

Subcatchment1B: Post 1B - Offsite Runoff Area=0.440 ac 11.36% Impervious Runoff Depth=1.21"
Tc=6.0 min CN=65 Runoff=0.80 cfs 0.044 af

Subcatchment2: Pre - West Runoff Area=2.540 ac 0.00% Impervious Runoff Depth=0.65"
Tc=6.0 min CN=55 Runoff=2.06 cfs 0.138 af

Subcatchment2A: Post 2A - Offsite Runoff Area=0.530 ac 11.32% Impervious Runoff Depth=1.21"
Tc=6.0 min CN=65 Runoff=0.97 cfs 0.053 af

Subcatchment3: Pre - North Runoff Area=27.590 ac 0.00% Impervious Runoff Depth=0.91"
Tc=10.0 min CN=60 Runoff=29.63 cfs 2.101 af

Subcatchment3A: Post 3A Runoff Area=10.600 ac 18.58% Impervious Runoff Depth=1.53"
Tc=6.0 min CN=70 Runoff=25.27 cfs 1.355 af

Subcatchment3B: Post 3B Runoff Area=8.450 ac 19.88% Impervious Runoff Depth=1.60"
Tc=6.0 min CN=71 Runoff=21.12 cfs 1.129 af

Subcatchment3C: Post 3C Runoff Area=2.490 ac 22.89% Impervious Runoff Depth=1.89"
Tc=6.0 min CN=75 Runoff=7.40 cfs 0.393 af

Subcatchment3D: Post 3D Runoff Area=2.380 ac 23.95% Impervious Runoff Depth=1.97"
Tc=6.0 min CN=76 Runoff=7.36 cfs 0.391 af

Subcatchment3E: Post 3E Runoff Area=2.780 ac 19.06% Impervious Runoff Depth=1.82"
Tc=6.0 min CN=74 Runoff=7.93 cfs 0.422 af

Subcatchment3Y: Post 3Y - Offsite Runoff Area=0.820 ac 36.59% Impervious Runoff Depth=2.55"
Tc=6.0 min CN=83 Runoff=3.24 cfs 0.174 af

Subcatchment3Z: Post 3Z - Offsite Runoff Area=0.520 ac 0.00% Impervious Runoff Depth=1.82"
Tc=6.0 min CN=74 Runoff=1.48 cfs 0.079 af

Subcatchment5S: Culvert 1 Runoff Area=4,797 sf 48.61% Impervious Runoff Depth=2.21"
Tc=6.0 min CN=79 Runoff=0.38 cfs 0.020 af

Subcatchment6S: Culvert 2 Runoff Area=24,708 sf 36.87% Impervious Runoff Depth=1.89"
Tc=6.0 min CN=75 Runoff=1.69 cfs 0.090 af

Subcatchment7S: Culvert 3 Runoff Area=41,517 sf 32.00% Impervious Runoff Depth=1.75"
Tc=6.0 min CN=73 Runoff=2.61 cfs 0.139 af

Subcatchment8S: Culvert 4 Runoff Area=209,603 sf 25.18% Impervious Runoff Depth=1.53"
Tc=6.0 min CN=70 Runoff=11.47 cfs 0.615 af

Subcatchment9S: Culvert 5 Runoff Area=188,836 sf 19.96% Impervious Runoff Depth=1.40"
Tc=6.0 min CN=68 Runoff=9.35 cfs 0.505 af

Pond P1A: Pond 1A Peak Elev=1,241.65' Storage=11,696 cf Inflow=13.00 cfs 0.703 af
Primary=1.66 cfs 0.276 af Secondary=0.53 cfs 0.427 af Tertiary=0.00 cfs 0.000 af Outflow=2.19 cfs 0.703 af

Pond P3A: Pond 3A Peak Elev=1,195.36' Storage=22,437 cf Inflow=25.27 cfs 1.355 af
Primary=4.07 cfs 0.668 af Secondary=0.77 cfs 0.687 af Tertiary=0.00 cfs 0.000 af Outflow=4.83 cfs 1.355 af

Pond P3B: Pond 3B Peak Elev=1,198.33' Storage=18,152 cf Inflow=21.12 cfs 1.129 af
Primary=3.92 cfs 0.579 af Secondary=0.68 cfs 0.550 af Tertiary=0.00 cfs 0.000 af Outflow=4.59 cfs 1.129 af

Pond P3C: Pond 3C Peak Elev=1,180.33' Storage=6,905 cf Inflow=7.40 cfs 0.393 af
Primary=0.97 cfs 0.132 af Secondary=0.33 cfs 0.262 af Tertiary=0.00 cfs 0.000 af Outflow=1.31 cfs 0.393 af

Pond P3D: Pond 3D Peak Elev=1,190.07' Storage=5,269 cf Inflow=7.36 cfs 0.391 af
Primary=2.94 cfs 0.230 af Secondary=0.22 cfs 0.161 af Tertiary=0.00 cfs 0.000 af Outflow=3.16 cfs 0.391 af

Pond P3E: Pond 3E Peak Elev=1,218.29' Storage=7,552 cf Inflow=7.93 cfs 0.422 af
Primary=0.89 cfs 0.130 af Secondary=0.34 cfs 0.291 af Tertiary=0.00 cfs 0.000 af Outflow=1.23 cfs 0.422 af

Link 1L: Total Pre - Development Inflow=34.45 cfs 2.507 af
Primary=34.45 cfs 2.507 af

Link 2L: Total Post - Development Inflow=15.10 cfs 2.364 af
Primary=15.10 cfs 2.364 af

Link 3L: Post - South Inflow=1.81 cfs 0.320 af
Primary=1.81 cfs 0.320 af

Link 4L: Post - North Inflow=13.10 cfs 1.991 af
Primary=13.10 cfs 1.991 af

Total Runoff Area = 80.857 ac Runoff Volume = 8.619 af Average Runoff Depth = 1.28"
88.21% Pervious = 71.323 ac 11.79% Impervious = 9.534 ac

Summary for Subcatchment 1: Pre - South

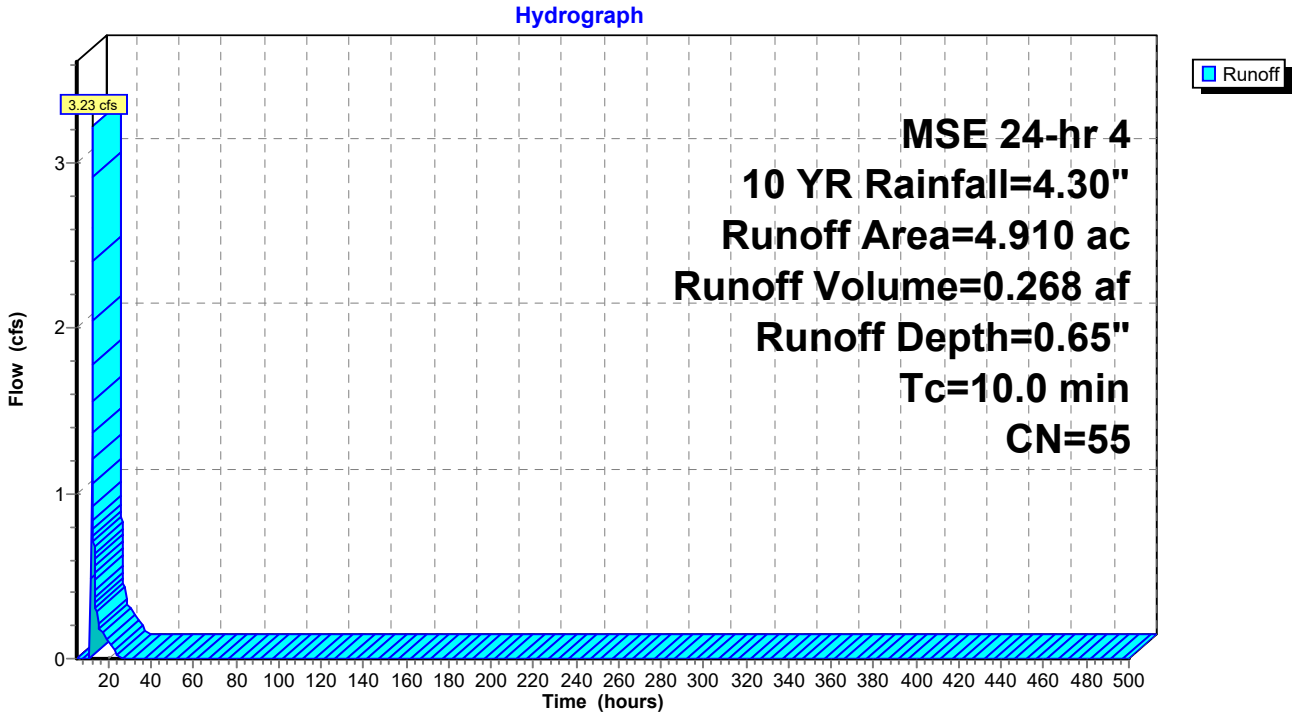
Runoff = 3.23 cfs @ 12.21 hrs, Volume= 0.268 af, Depth= 0.65"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	4.910	55	Pre Dev - B Soils
	4.910		100.00% Pervious Area

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

Subcatchment 1: Pre - South



Hydrograph for Subcatchment 1: Pre - South

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	260.00	4.30	0.65	0.00
10.00	0.68	0.00	**0.00**	265.00	4.30	0.65	0.00
15.00	3.78	0.44	**0.28**	270.00	4.30	0.65	0.00
20.00	**4.16**	**0.60**	0.11	275.00	4.30	0.65	0.00
25.00	**4.30**	**0.65**	0.00	280.00	4.30	0.65	0.00
30.00	4.30	0.65	0.00	285.00	4.30	0.65	0.00
35.00	4.30	0.65	0.00	290.00	4.30	0.65	0.00
40.00	4.30	0.65	0.00	295.00	4.30	0.65	0.00
45.00	4.30	0.65	0.00	300.00	4.30	0.65	0.00
50.00	4.30	0.65	0.00	305.00	4.30	0.65	0.00
55.00	4.30	0.65	0.00	310.00	4.30	0.65	0.00
60.00	4.30	0.65	0.00	315.00	4.30	0.65	0.00
65.00	4.30	0.65	0.00	320.00	4.30	0.65	0.00
70.00	4.30	0.65	0.00	325.00	4.30	0.65	0.00
75.00	4.30	0.65	0.00	330.00	4.30	0.65	0.00
80.00	4.30	0.65	0.00	335.00	4.30	0.65	0.00
85.00	4.30	0.65	0.00	340.00	4.30	0.65	0.00
90.00	4.30	0.65	0.00	345.00	4.30	0.65	0.00
95.00	4.30	0.65	0.00	350.00	4.30	0.65	0.00
100.00	4.30	0.65	0.00	355.00	4.30	0.65	0.00
105.00	4.30	0.65	0.00	360.00	4.30	0.65	0.00
110.00	4.30	0.65	0.00	365.00	4.30	0.65	0.00
115.00	4.30	0.65	0.00	370.00	4.30	0.65	0.00
120.00	4.30	0.65	0.00	375.00	4.30	0.65	0.00
125.00	4.30	0.65	0.00	380.00	4.30	0.65	0.00
130.00	4.30	0.65	0.00	385.00	4.30	0.65	0.00
135.00	4.30	0.65	0.00	390.00	4.30	0.65	0.00
140.00	4.30	0.65	0.00	395.00	4.30	0.65	0.00
145.00	4.30	0.65	0.00	400.00	4.30	0.65	0.00
150.00	4.30	0.65	0.00	405.00	4.30	0.65	0.00
155.00	4.30	0.65	0.00	410.00	4.30	0.65	0.00
160.00	4.30	0.65	0.00	415.00	4.30	0.65	0.00
165.00	4.30	0.65	0.00	420.00	4.30	0.65	0.00
170.00	4.30	0.65	0.00	425.00	4.30	0.65	0.00
175.00	4.30	0.65	0.00	430.00	4.30	0.65	0.00
180.00	4.30	0.65	0.00	435.00	4.30	0.65	0.00
185.00	4.30	0.65	0.00	440.00	4.30	0.65	0.00
190.00	4.30	0.65	0.00	445.00	4.30	0.65	0.00
195.00	4.30	0.65	0.00	450.00	4.30	0.65	0.00
200.00	4.30	0.65	0.00	455.00	4.30	0.65	0.00
205.00	4.30	0.65	0.00	460.00	4.30	0.65	0.00
210.00	4.30	0.65	0.00	465.00	4.30	0.65	0.00
215.00	4.30	0.65	0.00	470.00	4.30	0.65	0.00
220.00	4.30	0.65	0.00	475.00	4.30	0.65	0.00
225.00	4.30	0.65	0.00	480.00	4.30	0.65	0.00
230.00	4.30	0.65	0.00	485.00	4.30	0.65	0.00
235.00	4.30	0.65	0.00	490.00	4.30	0.65	0.00
240.00	4.30	0.65	0.00	495.00	4.30	0.65	0.00
245.00	4.30	0.65	0.00	500.00	4.30	0.65	0.00
250.00	4.30	0.65	0.00				
255.00	4.30	0.65	0.00				

Summary for Subcatchment 1A: Post 1A

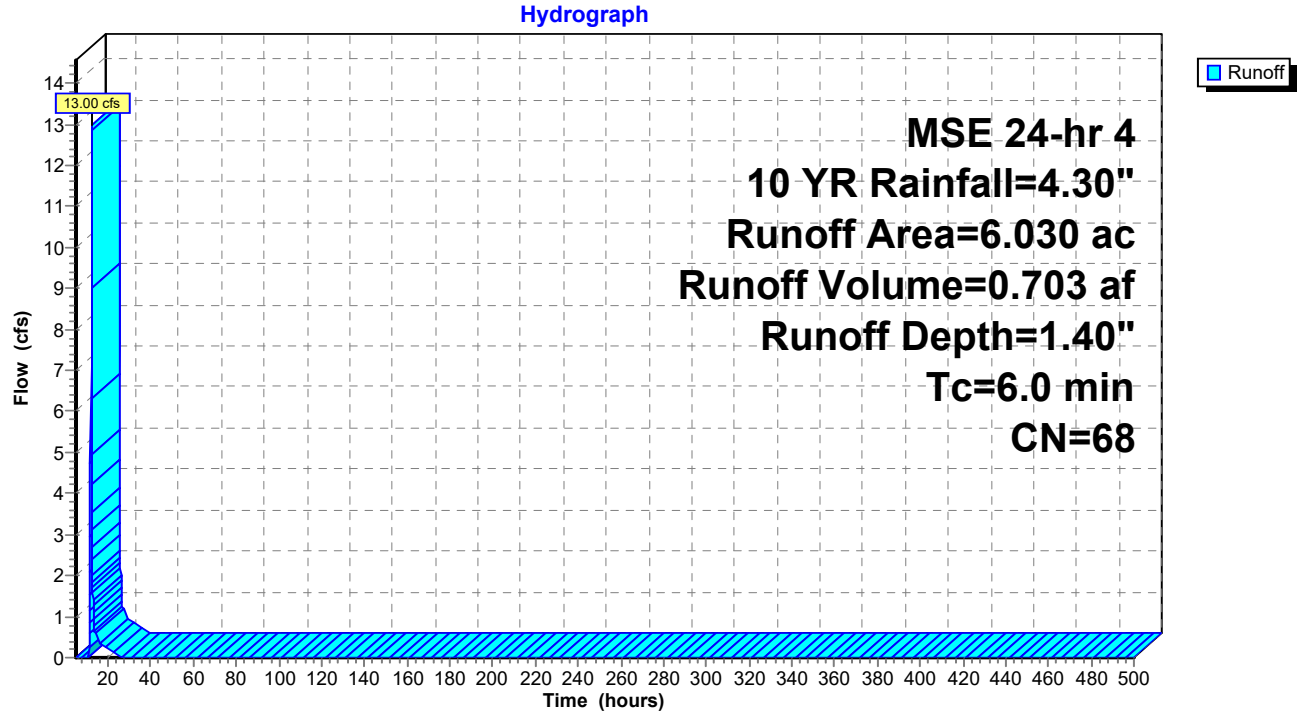
Runoff = 13.00 cfs @ 12.14 hrs, Volume= 0.703 af, Depth= 1.40"
Routed to Pond P1A : Pond 1A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	1.160	98	Impervious
*	4.870	61	Post - B Soils
*	0.000	74	Post - C Soils
	6.030	68	Weighted Average
	4.870		80.76% Pervious Area
	1.160		19.24% Impervious Area

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

Subcatchment 1A: Post 1A



Hydrograph for Subcatchment 1A: Post 1A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	260.00	4.30	1.40	0.00
10.00	0.68	0.00	**0.00**	265.00	4.30	1.40	0.00
15.00	3.78	1.07	**0.56**	270.00	4.30	1.40	0.00
20.00	**4.16**	**1.31**	0.21	275.00	4.30	1.40	0.00
25.00	**4.30**	**1.40**	0.00	280.00	4.30	1.40	0.00
30.00	4.30	1.40	0.00	285.00	4.30	1.40	0.00
35.00	4.30	1.40	0.00	290.00	4.30	1.40	0.00
40.00	4.30	1.40	0.00	295.00	4.30	1.40	0.00
45.00	4.30	1.40	0.00	300.00	4.30	1.40	0.00
50.00	4.30	1.40	0.00	305.00	4.30	1.40	0.00
55.00	4.30	1.40	0.00	310.00	4.30	1.40	0.00
60.00	4.30	1.40	0.00	315.00	4.30	1.40	0.00
65.00	4.30	1.40	0.00	320.00	4.30	1.40	0.00
70.00	4.30	1.40	0.00	325.00	4.30	1.40	0.00
75.00	4.30	1.40	0.00	330.00	4.30	1.40	0.00
80.00	4.30	1.40	0.00	335.00	4.30	1.40	0.00
85.00	4.30	1.40	0.00	340.00	4.30	1.40	0.00
90.00	4.30	1.40	0.00	345.00	4.30	1.40	0.00
95.00	4.30	1.40	0.00	350.00	4.30	1.40	0.00
100.00	4.30	1.40	0.00	355.00	4.30	1.40	0.00
105.00	4.30	1.40	0.00	360.00	4.30	1.40	0.00
110.00	4.30	1.40	0.00	365.00	4.30	1.40	0.00
115.00	4.30	1.40	0.00	370.00	4.30	1.40	0.00
120.00	4.30	1.40	0.00	375.00	4.30	1.40	0.00
125.00	4.30	1.40	0.00	380.00	4.30	1.40	0.00
130.00	4.30	1.40	0.00	385.00	4.30	1.40	0.00
135.00	4.30	1.40	0.00	390.00	4.30	1.40	0.00
140.00	4.30	1.40	0.00	395.00	4.30	1.40	0.00
145.00	4.30	1.40	0.00	400.00	4.30	1.40	0.00
150.00	4.30	1.40	0.00	405.00	4.30	1.40	0.00
155.00	4.30	1.40	0.00	410.00	4.30	1.40	0.00
160.00	4.30	1.40	0.00	415.00	4.30	1.40	0.00
165.00	4.30	1.40	0.00	420.00	4.30	1.40	0.00
170.00	4.30	1.40	0.00	425.00	4.30	1.40	0.00
175.00	4.30	1.40	0.00	430.00	4.30	1.40	0.00
180.00	4.30	1.40	0.00	435.00	4.30	1.40	0.00
185.00	4.30	1.40	0.00	440.00	4.30	1.40	0.00
190.00	4.30	1.40	0.00	445.00	4.30	1.40	0.00
195.00	4.30	1.40	0.00	450.00	4.30	1.40	0.00
200.00	4.30	1.40	0.00	455.00	4.30	1.40	0.00
205.00	4.30	1.40	0.00	460.00	4.30	1.40	0.00
210.00	4.30	1.40	0.00	465.00	4.30	1.40	0.00
215.00	4.30	1.40	0.00	470.00	4.30	1.40	0.00
220.00	4.30	1.40	0.00	475.00	4.30	1.40	0.00
225.00	4.30	1.40	0.00	480.00	4.30	1.40	0.00
230.00	4.30	1.40	0.00	485.00	4.30	1.40	0.00
235.00	4.30	1.40	0.00	490.00	4.30	1.40	0.00
240.00	4.30	1.40	0.00	495.00	4.30	1.40	0.00
245.00	4.30	1.40	0.00	500.00	4.30	1.40	0.00
250.00	4.30	1.40	0.00				
255.00	4.30	1.40	0.00				

Summary for Subcatchment 1B: Post 1B - Offsite

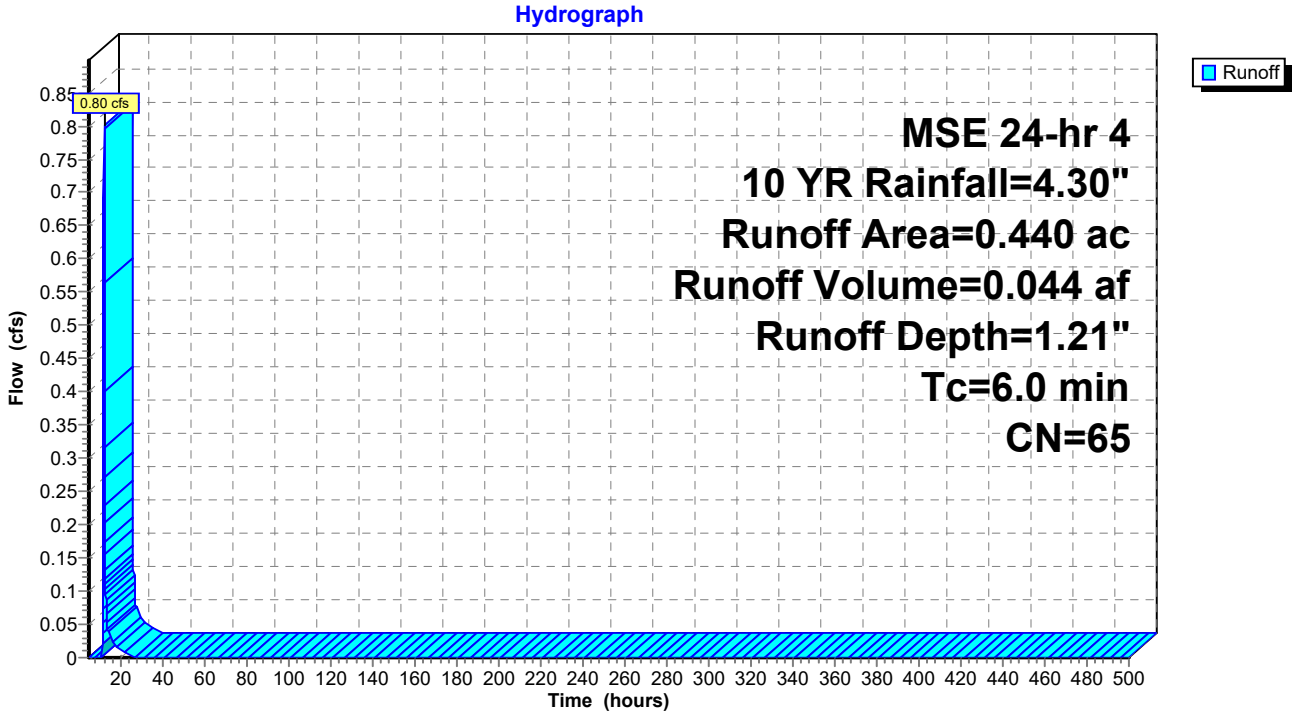
Runoff = 0.80 cfs @ 12.14 hrs, Volume= 0.044 af, Depth= 1.21"
Routed to Link 3L : Post - South

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	0.050	98	Impervious
*	0.390	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.440	65	Weighted Average
	0.390		88.64% Pervious Area
	0.050		11.36% Impervious Area

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

Subcatchment 1B: Post 1B - Offsite



Hydrograph for Subcatchment 1B: Post 1B - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00
10.00	0.68	0.00	**0.00**
15.00	3.78	0.90	**0.04**
20.00	**4.16**	**1.12**	0.01
25.00	**4.30**	**1.21**	0.00
30.00	4.30	1.21	0.00
35.00	4.30	1.21	0.00
40.00	4.30	1.21	0.00
45.00	4.30	1.21	0.00
50.00	4.30	1.21	0.00
55.00	4.30	1.21	0.00
60.00	4.30	1.21	0.00
65.00	4.30	1.21	0.00
70.00	4.30	1.21	0.00
75.00	4.30	1.21	0.00
80.00	4.30	1.21	0.00
85.00	4.30	1.21	0.00
90.00	4.30	1.21	0.00
95.00	4.30	1.21	0.00
100.00	4.30	1.21	0.00
105.00	4.30	1.21	0.00
110.00	4.30	1.21	0.00
115.00	4.30	1.21	0.00
120.00	4.30	1.21	0.00
125.00	4.30	1.21	0.00
130.00	4.30	1.21	0.00
135.00	4.30	1.21	0.00
140.00	4.30	1.21	0.00
145.00	4.30	1.21	0.00
150.00	4.30	1.21	0.00
155.00	4.30	1.21	0.00
160.00	4.30	1.21	0.00
165.00	4.30	1.21	0.00
170.00	4.30	1.21	0.00
175.00	4.30	1.21	0.00
180.00	4.30	1.21	0.00
185.00	4.30	1.21	0.00
190.00	4.30	1.21	0.00
195.00	4.30	1.21	0.00
200.00	4.30	1.21	0.00
205.00	4.30	1.21	0.00
210.00	4.30	1.21	0.00
215.00	4.30	1.21	0.00
220.00	4.30	1.21	0.00
225.00	4.30	1.21	0.00
230.00	4.30	1.21	0.00
235.00	4.30	1.21	0.00
240.00	4.30	1.21	0.00
245.00	4.30	1.21	0.00
250.00	4.30	1.21	0.00
255.00	4.30	1.21	0.00
260.00	4.30	1.21	0.00
265.00	4.30	1.21	0.00
270.00	4.30	1.21	0.00
275.00	4.30	1.21	0.00
280.00	4.30	1.21	0.00
285.00	4.30	1.21	0.00
290.00	4.30	1.21	0.00
295.00	4.30	1.21	0.00
300.00	4.30	1.21	0.00
305.00	4.30	1.21	0.00
310.00	4.30	1.21	0.00
315.00	4.30	1.21	0.00
320.00	4.30	1.21	0.00
325.00	4.30	1.21	0.00
330.00	4.30	1.21	0.00
335.00	4.30	1.21	0.00
340.00	4.30	1.21	0.00
345.00	4.30	1.21	0.00
350.00	4.30	1.21	0.00
355.00	4.30	1.21	0.00
360.00	4.30	1.21	0.00
365.00	4.30	1.21	0.00
370.00	4.30	1.21	0.00
375.00	4.30	1.21	0.00
380.00	4.30	1.21	0.00
385.00	4.30	1.21	0.00
390.00	4.30	1.21	0.00
395.00	4.30	1.21	0.00
400.00	4.30	1.21	0.00
405.00	4.30	1.21	0.00
410.00	4.30	1.21	0.00
415.00	4.30	1.21	0.00
420.00	4.30	1.21	0.00
425.00	4.30	1.21	0.00
430.00	4.30	1.21	0.00
435.00	4.30	1.21	0.00
440.00	4.30	1.21	0.00
445.00	4.30	1.21	0.00
450.00	4.30	1.21	0.00
455.00	4.30	1.21	0.00
460.00	4.30	1.21	0.00
465.00	4.30	1.21	0.00
470.00	4.30	1.21	0.00
475.00	4.30	1.21	0.00
480.00	4.30	1.21	0.00
485.00	4.30	1.21	0.00
490.00	4.30	1.21	0.00
495.00	4.30	1.21	0.00
500.00	4.30	1.21	0.00

Summary for Subcatchment 2: Pre - West

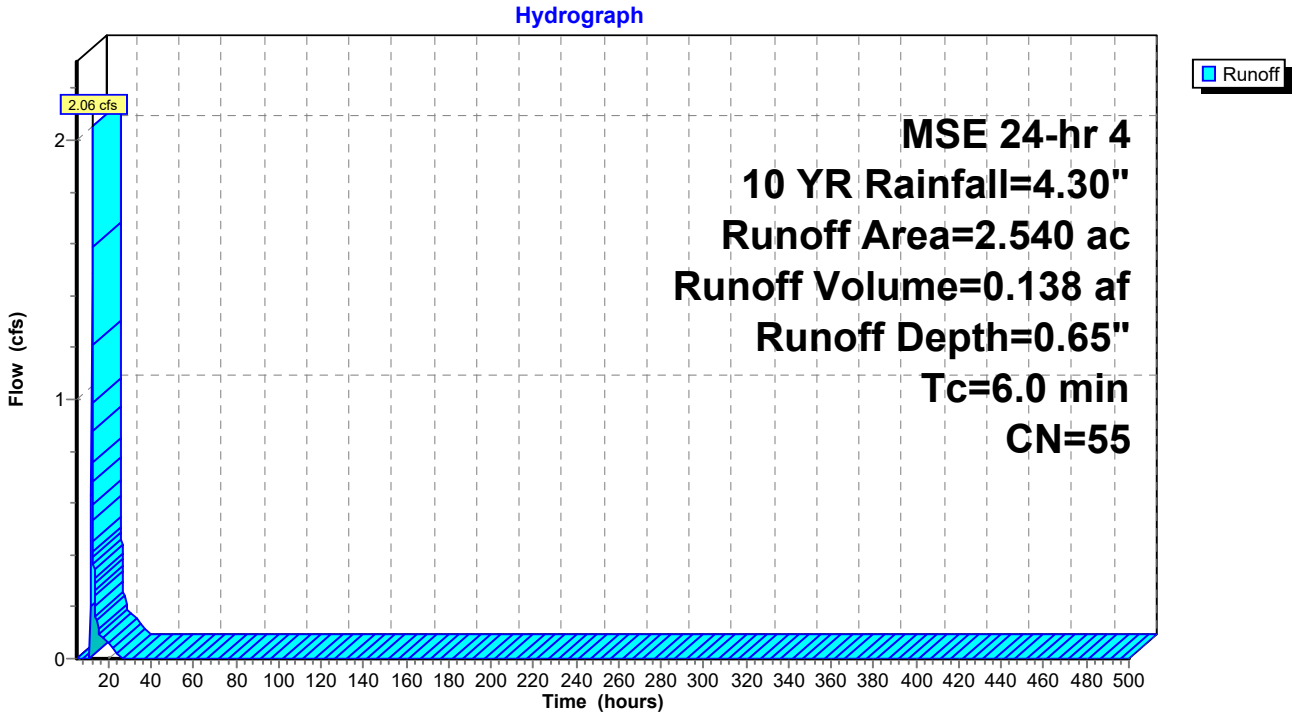
Runoff = 2.06 cfs @ 12.15 hrs, Volume= 0.138 af, Depth= 0.65"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	2.540	55	Pre Dev - B Soils
	2.540		100.00% Pervious Area

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

Subcatchment 2: Pre - West



Hydrograph for Subcatchment 2: Pre - West

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	260.00	4.30	0.65	0.00
10.00	0.68	0.00	**0.00**	265.00	4.30	0.65	0.00
15.00	3.78	0.44	**0.14**	270.00	4.30	0.65	0.00
20.00	**4.16**	**0.60**	0.06	275.00	4.30	0.65	0.00
25.00	**4.30**	**0.65**	0.00	280.00	4.30	0.65	0.00
30.00	4.30	0.65	0.00	285.00	4.30	0.65	0.00
35.00	4.30	0.65	0.00	290.00	4.30	0.65	0.00
40.00	4.30	0.65	0.00	295.00	4.30	0.65	0.00
45.00	4.30	0.65	0.00	300.00	4.30	0.65	0.00
50.00	4.30	0.65	0.00	305.00	4.30	0.65	0.00
55.00	4.30	0.65	0.00	310.00	4.30	0.65	0.00
60.00	4.30	0.65	0.00	315.00	4.30	0.65	0.00
65.00	4.30	0.65	0.00	320.00	4.30	0.65	0.00
70.00	4.30	0.65	0.00	325.00	4.30	0.65	0.00
75.00	4.30	0.65	0.00	330.00	4.30	0.65	0.00
80.00	4.30	0.65	0.00	335.00	4.30	0.65	0.00
85.00	4.30	0.65	0.00	340.00	4.30	0.65	0.00
90.00	4.30	0.65	0.00	345.00	4.30	0.65	0.00
95.00	4.30	0.65	0.00	350.00	4.30	0.65	0.00
100.00	4.30	0.65	0.00	355.00	4.30	0.65	0.00
105.00	4.30	0.65	0.00	360.00	4.30	0.65	0.00
110.00	4.30	0.65	0.00	365.00	4.30	0.65	0.00
115.00	4.30	0.65	0.00	370.00	4.30	0.65	0.00
120.00	4.30	0.65	0.00	375.00	4.30	0.65	0.00
125.00	4.30	0.65	0.00	380.00	4.30	0.65	0.00
130.00	4.30	0.65	0.00	385.00	4.30	0.65	0.00
135.00	4.30	0.65	0.00	390.00	4.30	0.65	0.00
140.00	4.30	0.65	0.00	395.00	4.30	0.65	0.00
145.00	4.30	0.65	0.00	400.00	4.30	0.65	0.00
150.00	4.30	0.65	0.00	405.00	4.30	0.65	0.00
155.00	4.30	0.65	0.00	410.00	4.30	0.65	0.00
160.00	4.30	0.65	0.00	415.00	4.30	0.65	0.00
165.00	4.30	0.65	0.00	420.00	4.30	0.65	0.00
170.00	4.30	0.65	0.00	425.00	4.30	0.65	0.00
175.00	4.30	0.65	0.00	430.00	4.30	0.65	0.00
180.00	4.30	0.65	0.00	435.00	4.30	0.65	0.00
185.00	4.30	0.65	0.00	440.00	4.30	0.65	0.00
190.00	4.30	0.65	0.00	445.00	4.30	0.65	0.00
195.00	4.30	0.65	0.00	450.00	4.30	0.65	0.00
200.00	4.30	0.65	0.00	455.00	4.30	0.65	0.00
205.00	4.30	0.65	0.00	460.00	4.30	0.65	0.00
210.00	4.30	0.65	0.00	465.00	4.30	0.65	0.00
215.00	4.30	0.65	0.00	470.00	4.30	0.65	0.00
220.00	4.30	0.65	0.00	475.00	4.30	0.65	0.00
225.00	4.30	0.65	0.00	480.00	4.30	0.65	0.00
230.00	4.30	0.65	0.00	485.00	4.30	0.65	0.00
235.00	4.30	0.65	0.00	490.00	4.30	0.65	0.00
240.00	4.30	0.65	0.00	495.00	4.30	0.65	0.00
245.00	4.30	0.65	0.00	500.00	4.30	0.65	0.00
250.00	4.30	0.65	0.00				
255.00	4.30	0.65	0.00				

Summary for Subcatchment 2A: Post 2A - Offsite

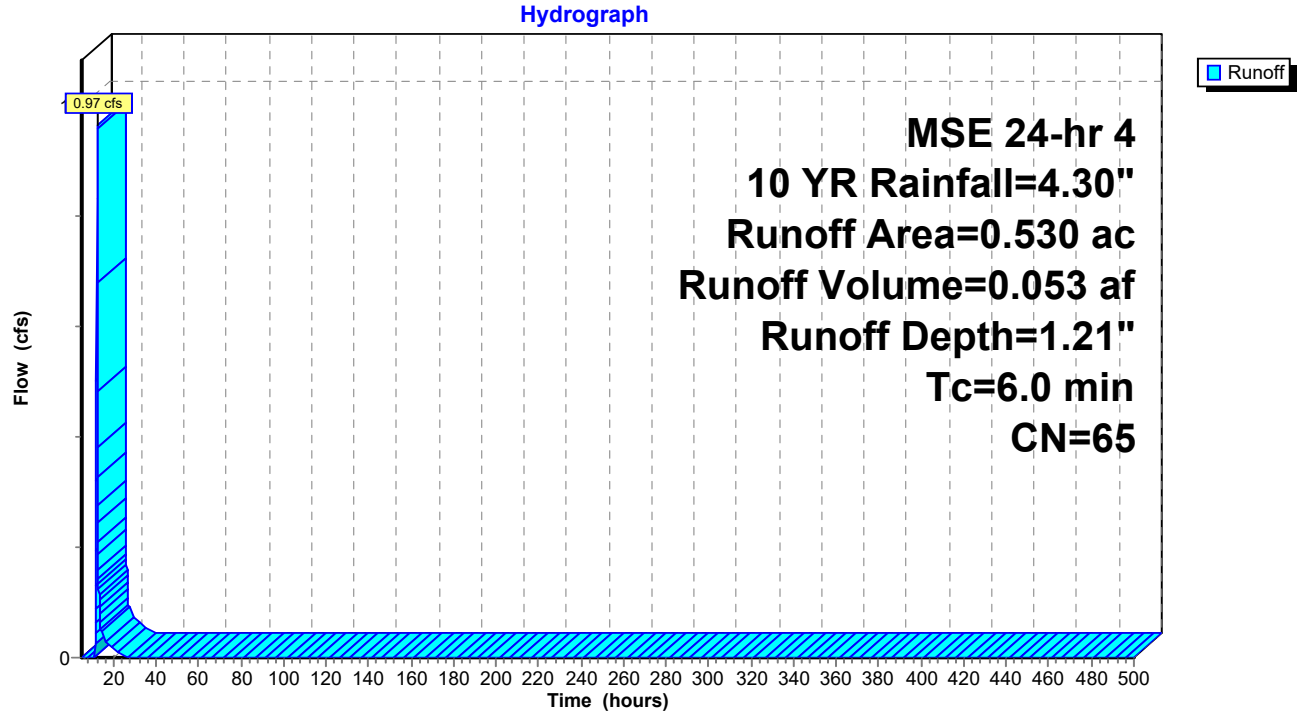
Runoff = 0.97 cfs @ 12.14 hrs, Volume= 0.053 af, Depth= 1.21"
Routed to Link 2L : Total Post - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	0.060	98	Impervious
*	0.470	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.530	65	Weighted Average
	0.470		88.68% Pervious Area
	0.060		11.32% Impervious Area

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

Subcatchment 2A: Post 2A - Offsite



Hydrograph for Subcatchment 2A: Post 2A - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00
10.00	0.68	0.00	**0.00**
15.00	3.78	0.90	**0.05**
20.00	**4.16**	**1.12**	0.02
25.00	**4.30**	**1.21**	0.00
30.00	4.30	1.21	0.00
35.00	4.30	1.21	0.00
40.00	4.30	1.21	0.00
45.00	4.30	1.21	0.00
50.00	4.30	1.21	0.00
55.00	4.30	1.21	0.00
60.00	4.30	1.21	0.00
65.00	4.30	1.21	0.00
70.00	4.30	1.21	0.00
75.00	4.30	1.21	0.00
80.00	4.30	1.21	0.00
85.00	4.30	1.21	0.00
90.00	4.30	1.21	0.00
95.00	4.30	1.21	0.00
100.00	4.30	1.21	0.00
105.00	4.30	1.21	0.00
110.00	4.30	1.21	0.00
115.00	4.30	1.21	0.00
120.00	4.30	1.21	0.00
125.00	4.30	1.21	0.00
130.00	4.30	1.21	0.00
135.00	4.30	1.21	0.00
140.00	4.30	1.21	0.00
145.00	4.30	1.21	0.00
150.00	4.30	1.21	0.00
155.00	4.30	1.21	0.00
160.00	4.30	1.21	0.00
165.00	4.30	1.21	0.00
170.00	4.30	1.21	0.00
175.00	4.30	1.21	0.00
180.00	4.30	1.21	0.00
185.00	4.30	1.21	0.00
190.00	4.30	1.21	0.00
195.00	4.30	1.21	0.00
200.00	4.30	1.21	0.00
205.00	4.30	1.21	0.00
210.00	4.30	1.21	0.00
215.00	4.30	1.21	0.00
220.00	4.30	1.21	0.00
225.00	4.30	1.21	0.00
230.00	4.30	1.21	0.00
235.00	4.30	1.21	0.00
240.00	4.30	1.21	0.00
245.00	4.30	1.21	0.00
250.00	4.30	1.21	0.00
255.00	4.30	1.21	0.00
260.00	4.30	1.21	0.00
265.00	4.30	1.21	0.00
270.00	4.30	1.21	0.00
275.00	4.30	1.21	0.00
280.00	4.30	1.21	0.00
285.00	4.30	1.21	0.00
290.00	4.30	1.21	0.00
295.00	4.30	1.21	0.00
300.00	4.30	1.21	0.00
305.00	4.30	1.21	0.00
310.00	4.30	1.21	0.00
315.00	4.30	1.21	0.00
320.00	4.30	1.21	0.00
325.00	4.30	1.21	0.00
330.00	4.30	1.21	0.00
335.00	4.30	1.21	0.00
340.00	4.30	1.21	0.00
345.00	4.30	1.21	0.00
350.00	4.30	1.21	0.00
355.00	4.30	1.21	0.00
360.00	4.30	1.21	0.00
365.00	4.30	1.21	0.00
370.00	4.30	1.21	0.00
375.00	4.30	1.21	0.00
380.00	4.30	1.21	0.00
385.00	4.30	1.21	0.00
390.00	4.30	1.21	0.00
395.00	4.30	1.21	0.00
400.00	4.30	1.21	0.00
405.00	4.30	1.21	0.00
410.00	4.30	1.21	0.00
415.00	4.30	1.21	0.00
420.00	4.30	1.21	0.00
425.00	4.30	1.21	0.00
430.00	4.30	1.21	0.00
435.00	4.30	1.21	0.00
440.00	4.30	1.21	0.00
445.00	4.30	1.21	0.00
450.00	4.30	1.21	0.00
455.00	4.30	1.21	0.00
460.00	4.30	1.21	0.00
465.00	4.30	1.21	0.00
470.00	4.30	1.21	0.00
475.00	4.30	1.21	0.00
480.00	4.30	1.21	0.00
485.00	4.30	1.21	0.00
490.00	4.30	1.21	0.00
495.00	4.30	1.21	0.00
500.00	4.30	1.21	0.00

Summary for Subcatchment 3: Pre - North

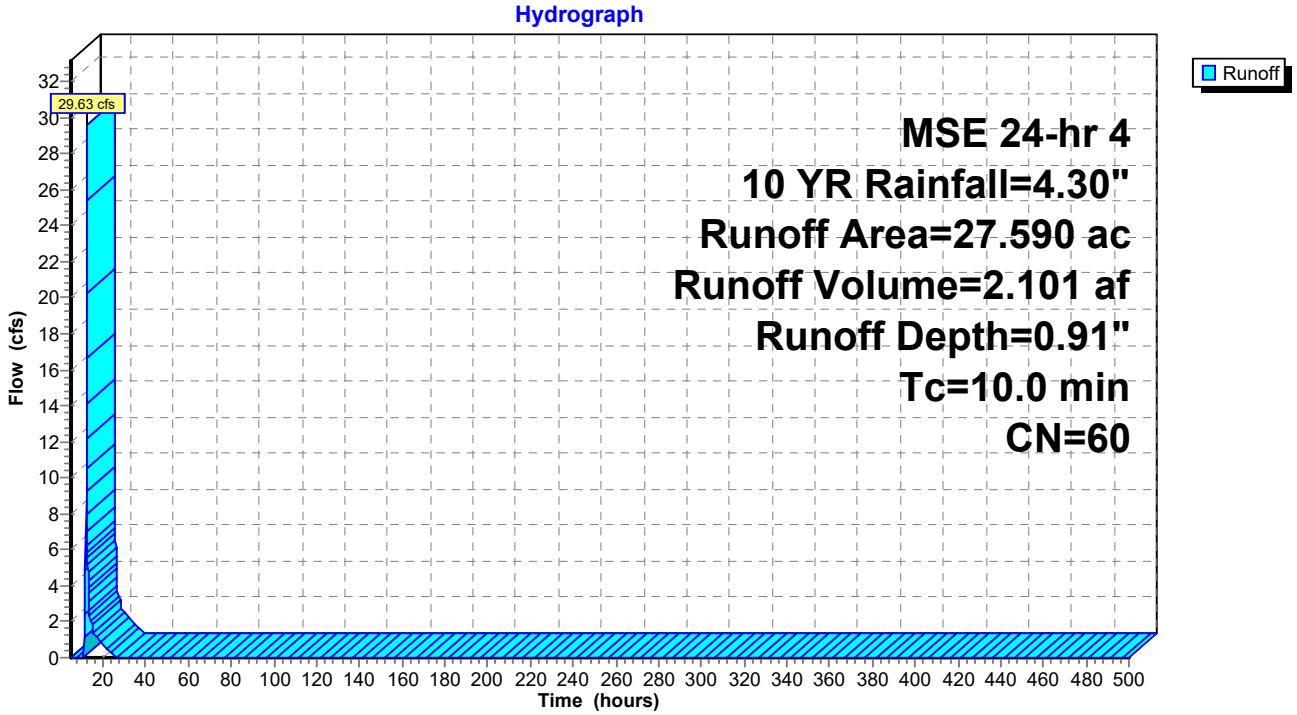
Runoff = 29.63 cfs @ 12.20 hrs, Volume= 2.101 af, Depth= 0.91"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	18.190	55	Pre Dev - B Soils
*	9.400	70	Pre Dev - C Soils
	27.590	60	Weighted Average
	27.590		100.00% Pervious Area

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

Subcatchment 3: Pre - North



Hydrograph for Subcatchment 3: Pre - North

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00
10.00	0.68	0.00	**0.00**
15.00	3.78	0.66	**1.97**
20.00	**4.16**	**0.84**	0.77
25.00	**4.30**	**0.91**	0.00
30.00	4.30	0.91	0.00
35.00	4.30	0.91	0.00
40.00	4.30	0.91	0.00
45.00	4.30	0.91	0.00
50.00	4.30	0.91	0.00
55.00	4.30	0.91	0.00
60.00	4.30	0.91	0.00
65.00	4.30	0.91	0.00
70.00	4.30	0.91	0.00
75.00	4.30	0.91	0.00
80.00	4.30	0.91	0.00
85.00	4.30	0.91	0.00
90.00	4.30	0.91	0.00
95.00	4.30	0.91	0.00
100.00	4.30	0.91	0.00
105.00	4.30	0.91	0.00
110.00	4.30	0.91	0.00
115.00	4.30	0.91	0.00
120.00	4.30	0.91	0.00
125.00	4.30	0.91	0.00
130.00	4.30	0.91	0.00
135.00	4.30	0.91	0.00
140.00	4.30	0.91	0.00
145.00	4.30	0.91	0.00
150.00	4.30	0.91	0.00
155.00	4.30	0.91	0.00
160.00	4.30	0.91	0.00
165.00	4.30	0.91	0.00
170.00	4.30	0.91	0.00
175.00	4.30	0.91	0.00
180.00	4.30	0.91	0.00
185.00	4.30	0.91	0.00
190.00	4.30	0.91	0.00
195.00	4.30	0.91	0.00
200.00	4.30	0.91	0.00
205.00	4.30	0.91	0.00
210.00	4.30	0.91	0.00
215.00	4.30	0.91	0.00
220.00	4.30	0.91	0.00
225.00	4.30	0.91	0.00
230.00	4.30	0.91	0.00
235.00	4.30	0.91	0.00
240.00	4.30	0.91	0.00
245.00	4.30	0.91	0.00
250.00	4.30	0.91	0.00
255.00	4.30	0.91	0.00
260.00	4.30	0.91	0.00
265.00	4.30	0.91	0.00
270.00	4.30	0.91	0.00
275.00	4.30	0.91	0.00
280.00	4.30	0.91	0.00
285.00	4.30	0.91	0.00
290.00	4.30	0.91	0.00
295.00	4.30	0.91	0.00
300.00	4.30	0.91	0.00
305.00	4.30	0.91	0.00
310.00	4.30	0.91	0.00
315.00	4.30	0.91	0.00
320.00	4.30	0.91	0.00
325.00	4.30	0.91	0.00
330.00	4.30	0.91	0.00
335.00	4.30	0.91	0.00
340.00	4.30	0.91	0.00
345.00	4.30	0.91	0.00
350.00	4.30	0.91	0.00
355.00	4.30	0.91	0.00
360.00	4.30	0.91	0.00
365.00	4.30	0.91	0.00
370.00	4.30	0.91	0.00
375.00	4.30	0.91	0.00
380.00	4.30	0.91	0.00
385.00	4.30	0.91	0.00
390.00	4.30	0.91	0.00
395.00	4.30	0.91	0.00
400.00	4.30	0.91	0.00
405.00	4.30	0.91	0.00
410.00	4.30	0.91	0.00
415.00	4.30	0.91	0.00
420.00	4.30	0.91	0.00
425.00	4.30	0.91	0.00
430.00	4.30	0.91	0.00
435.00	4.30	0.91	0.00
440.00	4.30	0.91	0.00
445.00	4.30	0.91	0.00
450.00	4.30	0.91	0.00
455.00	4.30	0.91	0.00
460.00	4.30	0.91	0.00
465.00	4.30	0.91	0.00
470.00	4.30	0.91	0.00
475.00	4.30	0.91	0.00
480.00	4.30	0.91	0.00
485.00	4.30	0.91	0.00
490.00	4.30	0.91	0.00
495.00	4.30	0.91	0.00
500.00	4.30	0.91	0.00

Summary for Subcatchment 3A: Post 3A

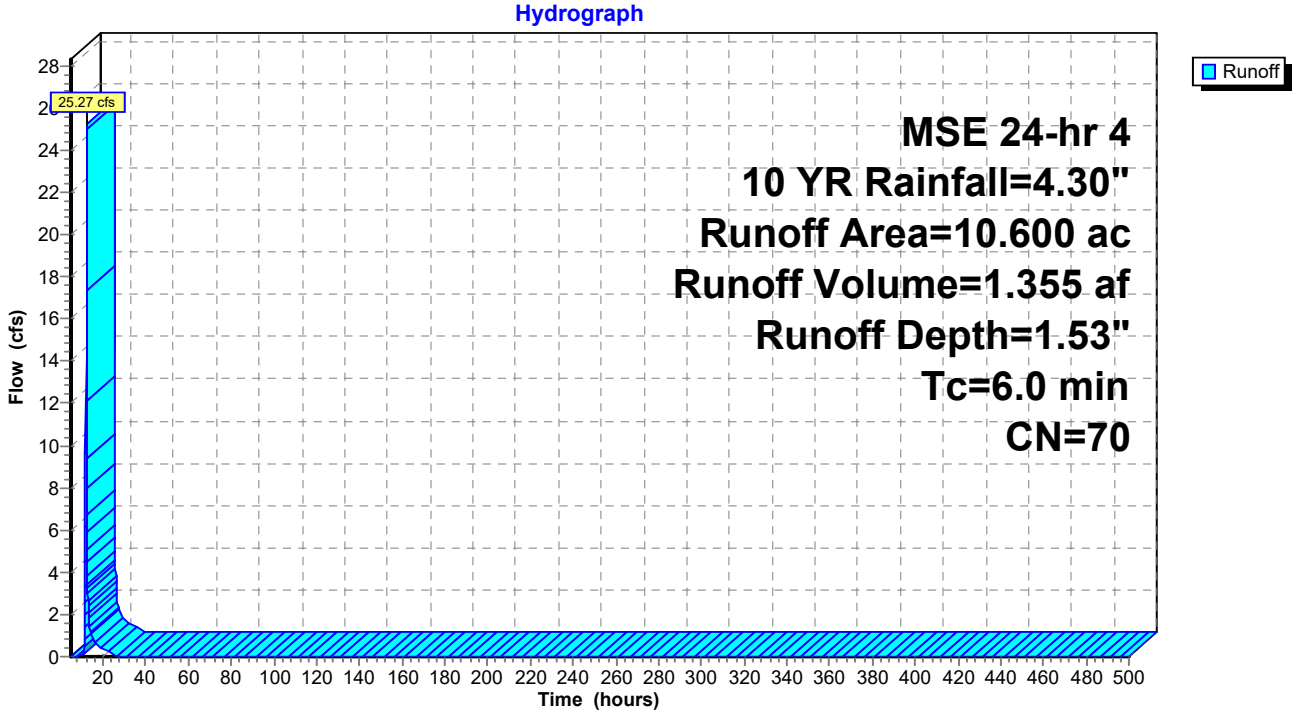
Runoff = 25.27 cfs @ 12.14 hrs, Volume= 1.355 af, Depth= 1.53"
Routed to Pond P3A : Pond 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	1.970	98	Impervious
*	6.570	61	Post - B Soils
*	2.060	74	Post - C Soils
	10.600	70	Weighted Average
	8.630		81.42% Pervious Area
	1.970		18.58% Impervious Area

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

Subcatchment 3A: Post 3A



Hydrograph for Subcatchment 3A: Post 3A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	260.00	4.30	1.53	0.00
10.00	0.68	0.00	**0.00**	265.00	4.30	1.53	0.00
15.00	3.78	1.18	**1.05**	270.00	4.30	1.53	0.00
20.00	**4.16**	**1.44**	0.39	275.00	4.30	1.53	0.00
25.00	**4.30**	**1.53**	0.00	280.00	4.30	1.53	0.00
30.00	4.30	1.53	0.00	285.00	4.30	1.53	0.00
35.00	4.30	1.53	0.00	290.00	4.30	1.53	0.00
40.00	4.30	1.53	0.00	295.00	4.30	1.53	0.00
45.00	4.30	1.53	0.00	300.00	4.30	1.53	0.00
50.00	4.30	1.53	0.00	305.00	4.30	1.53	0.00
55.00	4.30	1.53	0.00	310.00	4.30	1.53	0.00
60.00	4.30	1.53	0.00	315.00	4.30	1.53	0.00
65.00	4.30	1.53	0.00	320.00	4.30	1.53	0.00
70.00	4.30	1.53	0.00	325.00	4.30	1.53	0.00
75.00	4.30	1.53	0.00	330.00	4.30	1.53	0.00
80.00	4.30	1.53	0.00	335.00	4.30	1.53	0.00
85.00	4.30	1.53	0.00	340.00	4.30	1.53	0.00
90.00	4.30	1.53	0.00	345.00	4.30	1.53	0.00
95.00	4.30	1.53	0.00	350.00	4.30	1.53	0.00
100.00	4.30	1.53	0.00	355.00	4.30	1.53	0.00
105.00	4.30	1.53	0.00	360.00	4.30	1.53	0.00
110.00	4.30	1.53	0.00	365.00	4.30	1.53	0.00
115.00	4.30	1.53	0.00	370.00	4.30	1.53	0.00
120.00	4.30	1.53	0.00	375.00	4.30	1.53	0.00
125.00	4.30	1.53	0.00	380.00	4.30	1.53	0.00
130.00	4.30	1.53	0.00	385.00	4.30	1.53	0.00
135.00	4.30	1.53	0.00	390.00	4.30	1.53	0.00
140.00	4.30	1.53	0.00	395.00	4.30	1.53	0.00
145.00	4.30	1.53	0.00	400.00	4.30	1.53	0.00
150.00	4.30	1.53	0.00	405.00	4.30	1.53	0.00
155.00	4.30	1.53	0.00	410.00	4.30	1.53	0.00
160.00	4.30	1.53	0.00	415.00	4.30	1.53	0.00
165.00	4.30	1.53	0.00	420.00	4.30	1.53	0.00
170.00	4.30	1.53	0.00	425.00	4.30	1.53	0.00
175.00	4.30	1.53	0.00	430.00	4.30	1.53	0.00
180.00	4.30	1.53	0.00	435.00	4.30	1.53	0.00
185.00	4.30	1.53	0.00	440.00	4.30	1.53	0.00
190.00	4.30	1.53	0.00	445.00	4.30	1.53	0.00
195.00	4.30	1.53	0.00	450.00	4.30	1.53	0.00
200.00	4.30	1.53	0.00	455.00	4.30	1.53	0.00
205.00	4.30	1.53	0.00	460.00	4.30	1.53	0.00
210.00	4.30	1.53	0.00	465.00	4.30	1.53	0.00
215.00	4.30	1.53	0.00	470.00	4.30	1.53	0.00
220.00	4.30	1.53	0.00	475.00	4.30	1.53	0.00
225.00	4.30	1.53	0.00	480.00	4.30	1.53	0.00
230.00	4.30	1.53	0.00	485.00	4.30	1.53	0.00
235.00	4.30	1.53	0.00	490.00	4.30	1.53	0.00
240.00	4.30	1.53	0.00	495.00	4.30	1.53	0.00
245.00	4.30	1.53	0.00	500.00	4.30	1.53	0.00
250.00	4.30	1.53	0.00				
255.00	4.30	1.53	0.00				

Summary for Subcatchment 3B: Post 3B

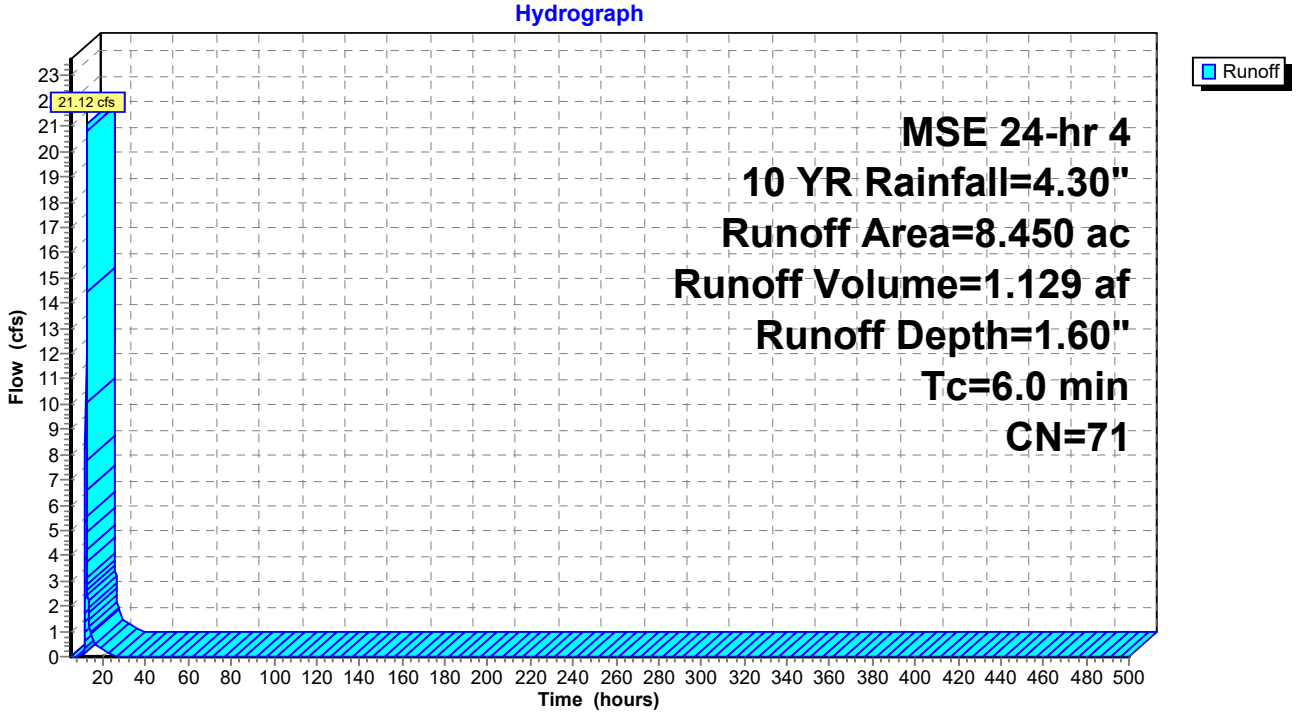
Runoff = 21.12 cfs @ 12.14 hrs, Volume= 1.129 af, Depth= 1.60"
Routed to Pond P3B : Pond 3B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	1.680	98	Impervious
*	5.290	61	Post - B Soils
*	1.480	74	Post - C Soils
	8.450	71	Weighted Average
	6.770		80.12% Pervious Area
	1.680		19.88% Impervious Area

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

Subcatchment 3B: Post 3B



Hydrograph for Subcatchment 3B: Post 3B

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00
10.00	0.68	0.00	**0.00**
15.00	3.78	1.25	**0.86**
20.00	**4.16**	**1.51**	0.32
25.00	**4.30**	**1.60**	0.00
30.00	4.30	1.60	0.00
35.00	4.30	1.60	0.00
40.00	4.30	1.60	0.00
45.00	4.30	1.60	0.00
50.00	4.30	1.60	0.00
55.00	4.30	1.60	0.00
60.00	4.30	1.60	0.00
65.00	4.30	1.60	0.00
70.00	4.30	1.60	0.00
75.00	4.30	1.60	0.00
80.00	4.30	1.60	0.00
85.00	4.30	1.60	0.00
90.00	4.30	1.60	0.00
95.00	4.30	1.60	0.00
100.00	4.30	1.60	0.00
105.00	4.30	1.60	0.00
110.00	4.30	1.60	0.00
115.00	4.30	1.60	0.00
120.00	4.30	1.60	0.00
125.00	4.30	1.60	0.00
130.00	4.30	1.60	0.00
135.00	4.30	1.60	0.00
140.00	4.30	1.60	0.00
145.00	4.30	1.60	0.00
150.00	4.30	1.60	0.00
155.00	4.30	1.60	0.00
160.00	4.30	1.60	0.00
165.00	4.30	1.60	0.00
170.00	4.30	1.60	0.00
175.00	4.30	1.60	0.00
180.00	4.30	1.60	0.00
185.00	4.30	1.60	0.00
190.00	4.30	1.60	0.00
195.00	4.30	1.60	0.00
200.00	4.30	1.60	0.00
205.00	4.30	1.60	0.00
210.00	4.30	1.60	0.00
215.00	4.30	1.60	0.00
220.00	4.30	1.60	0.00
225.00	4.30	1.60	0.00
230.00	4.30	1.60	0.00
235.00	4.30	1.60	0.00
240.00	4.30	1.60	0.00
245.00	4.30	1.60	0.00
250.00	4.30	1.60	0.00
255.00	4.30	1.60	0.00
260.00	4.30	1.60	0.00
265.00	4.30	1.60	0.00
270.00	4.30	1.60	0.00
275.00	4.30	1.60	0.00
280.00	4.30	1.60	0.00
285.00	4.30	1.60	0.00
290.00	4.30	1.60	0.00
295.00	4.30	1.60	0.00
300.00	4.30	1.60	0.00
305.00	4.30	1.60	0.00
310.00	4.30	1.60	0.00
315.00	4.30	1.60	0.00
320.00	4.30	1.60	0.00
325.00	4.30	1.60	0.00
330.00	4.30	1.60	0.00
335.00	4.30	1.60	0.00
340.00	4.30	1.60	0.00
345.00	4.30	1.60	0.00
350.00	4.30	1.60	0.00
355.00	4.30	1.60	0.00
360.00	4.30	1.60	0.00
365.00	4.30	1.60	0.00
370.00	4.30	1.60	0.00
375.00	4.30	1.60	0.00
380.00	4.30	1.60	0.00
385.00	4.30	1.60	0.00
390.00	4.30	1.60	0.00
395.00	4.30	1.60	0.00
400.00	4.30	1.60	0.00
405.00	4.30	1.60	0.00
410.00	4.30	1.60	0.00
415.00	4.30	1.60	0.00
420.00	4.30	1.60	0.00
425.00	4.30	1.60	0.00
430.00	4.30	1.60	0.00
435.00	4.30	1.60	0.00
440.00	4.30	1.60	0.00
445.00	4.30	1.60	0.00
450.00	4.30	1.60	0.00
455.00	4.30	1.60	0.00
460.00	4.30	1.60	0.00
465.00	4.30	1.60	0.00
470.00	4.30	1.60	0.00
475.00	4.30	1.60	0.00
480.00	4.30	1.60	0.00
485.00	4.30	1.60	0.00
490.00	4.30	1.60	0.00
495.00	4.30	1.60	0.00
500.00	4.30	1.60	0.00

Summary for Subcatchment 3C: Post 3C

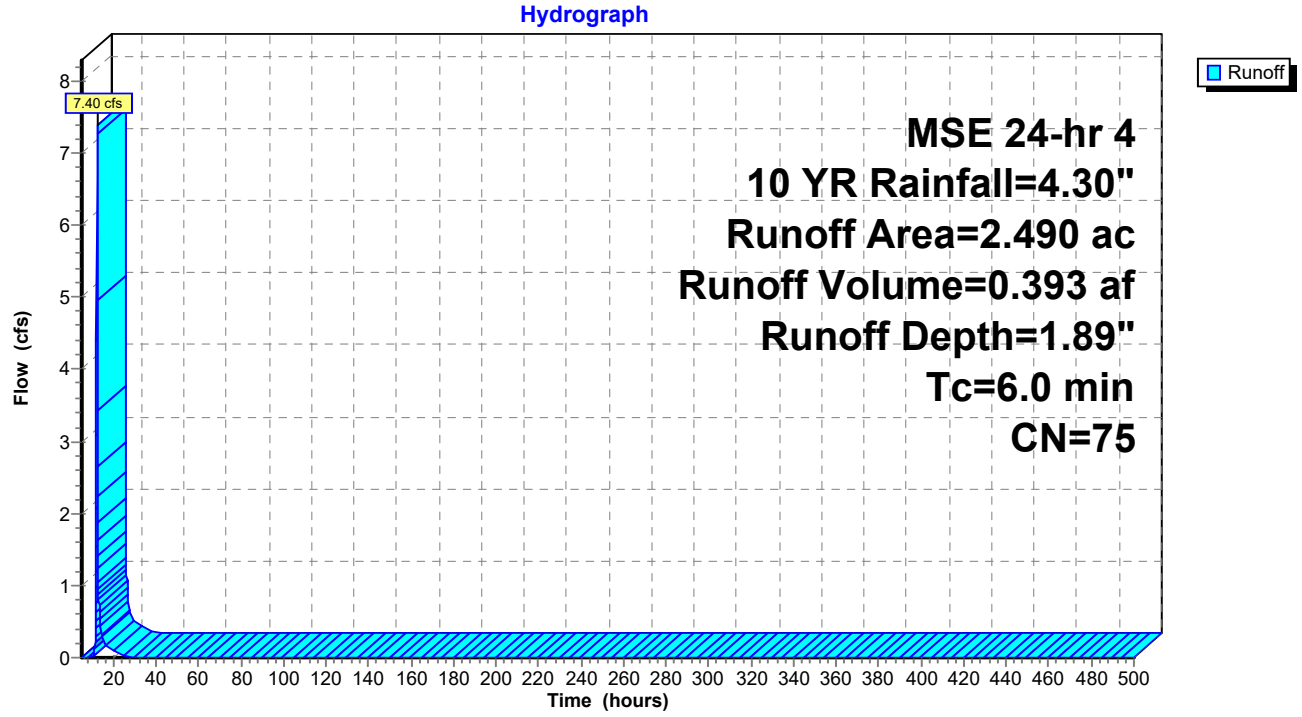
Runoff = 7.40 cfs @ 12.14 hrs, Volume= 0.393 af, Depth= 1.89"
Routed to Pond P3C : Pond 3C

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.800	61	Post - B Soils
*	1.120	74	Post - C Soils
	2.490	75	Weighted Average
	1.920		77.11% Pervious Area
	0.570		22.89% Impervious Area

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

Subcatchment 3C: Post 3C



Hydrograph for Subcatchment 3C: Post 3C

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	260.00	4.30	1.89	0.00
10.00	0.68	0.00	**0.00**	265.00	4.30	1.89	0.00
15.00	3.78	1.50	**0.28**	270.00	4.30	1.89	0.00
20.00	**4.16**	**1.79**	0.10	275.00	4.30	1.89	0.00
25.00	**4.30**	**1.89**	0.00	280.00	4.30	1.89	0.00
30.00	4.30	1.89	0.00	285.00	4.30	1.89	0.00
35.00	4.30	1.89	0.00	290.00	4.30	1.89	0.00
40.00	4.30	1.89	0.00	295.00	4.30	1.89	0.00
45.00	4.30	1.89	0.00	300.00	4.30	1.89	0.00
50.00	4.30	1.89	0.00	305.00	4.30	1.89	0.00
55.00	4.30	1.89	0.00	310.00	4.30	1.89	0.00
60.00	4.30	1.89	0.00	315.00	4.30	1.89	0.00
65.00	4.30	1.89	0.00	320.00	4.30	1.89	0.00
70.00	4.30	1.89	0.00	325.00	4.30	1.89	0.00
75.00	4.30	1.89	0.00	330.00	4.30	1.89	0.00
80.00	4.30	1.89	0.00	335.00	4.30	1.89	0.00
85.00	4.30	1.89	0.00	340.00	4.30	1.89	0.00
90.00	4.30	1.89	0.00	345.00	4.30	1.89	0.00
95.00	4.30	1.89	0.00	350.00	4.30	1.89	0.00
100.00	4.30	1.89	0.00	355.00	4.30	1.89	0.00
105.00	4.30	1.89	0.00	360.00	4.30	1.89	0.00
110.00	4.30	1.89	0.00	365.00	4.30	1.89	0.00
115.00	4.30	1.89	0.00	370.00	4.30	1.89	0.00
120.00	4.30	1.89	0.00	375.00	4.30	1.89	0.00
125.00	4.30	1.89	0.00	380.00	4.30	1.89	0.00
130.00	4.30	1.89	0.00	385.00	4.30	1.89	0.00
135.00	4.30	1.89	0.00	390.00	4.30	1.89	0.00
140.00	4.30	1.89	0.00	395.00	4.30	1.89	0.00
145.00	4.30	1.89	0.00	400.00	4.30	1.89	0.00
150.00	4.30	1.89	0.00	405.00	4.30	1.89	0.00
155.00	4.30	1.89	0.00	410.00	4.30	1.89	0.00
160.00	4.30	1.89	0.00	415.00	4.30	1.89	0.00
165.00	4.30	1.89	0.00	420.00	4.30	1.89	0.00
170.00	4.30	1.89	0.00	425.00	4.30	1.89	0.00
175.00	4.30	1.89	0.00	430.00	4.30	1.89	0.00
180.00	4.30	1.89	0.00	435.00	4.30	1.89	0.00
185.00	4.30	1.89	0.00	440.00	4.30	1.89	0.00
190.00	4.30	1.89	0.00	445.00	4.30	1.89	0.00
195.00	4.30	1.89	0.00	450.00	4.30	1.89	0.00
200.00	4.30	1.89	0.00	455.00	4.30	1.89	0.00
205.00	4.30	1.89	0.00	460.00	4.30	1.89	0.00
210.00	4.30	1.89	0.00	465.00	4.30	1.89	0.00
215.00	4.30	1.89	0.00	470.00	4.30	1.89	0.00
220.00	4.30	1.89	0.00	475.00	4.30	1.89	0.00
225.00	4.30	1.89	0.00	480.00	4.30	1.89	0.00
230.00	4.30	1.89	0.00	485.00	4.30	1.89	0.00
235.00	4.30	1.89	0.00	490.00	4.30	1.89	0.00
240.00	4.30	1.89	0.00	495.00	4.30	1.89	0.00
245.00	4.30	1.89	0.00	500.00	4.30	1.89	0.00
250.00	4.30	1.89	0.00				
255.00	4.30	1.89	0.00				

Summary for Subcatchment 3D: Post 3D

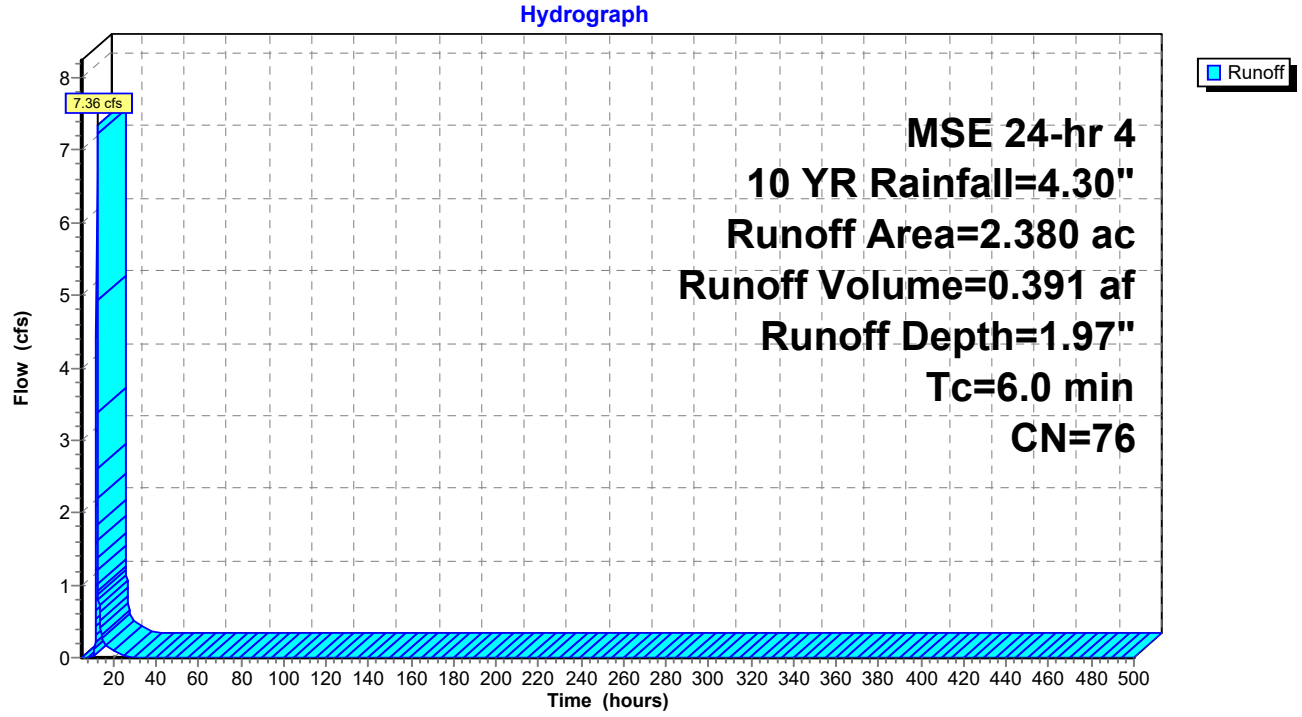
Runoff = 7.36 cfs @ 12.13 hrs, Volume= 0.391 af, Depth= 1.97"
Routed to Pond P3D : Pond 3D

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.610	61	Post - B Soils
*	1.200	74	Post - C Soils
	2.380	76	Weighted Average
	1.810		76.05% Pervious Area
	0.570		23.95% Impervious Area

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

Subcatchment 3D: Post 3D



Hydrograph for Subcatchment 3D: Post 3D

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	260.00	4.30	1.97	0.00
10.00	0.68	0.00	**0.01**	265.00	4.30	1.97	0.00
15.00	3.78	1.57	**0.27**	270.00	4.30	1.97	0.00
20.00	**4.16**	**1.86**	0.10	275.00	4.30	1.97	0.00
25.00	**4.30**	**1.97**	0.00	280.00	4.30	1.97	0.00
30.00	4.30	1.97	0.00	285.00	4.30	1.97	0.00
35.00	4.30	1.97	0.00	290.00	4.30	1.97	0.00
40.00	4.30	1.97	0.00	295.00	4.30	1.97	0.00
45.00	4.30	1.97	0.00	300.00	4.30	1.97	0.00
50.00	4.30	1.97	0.00	305.00	4.30	1.97	0.00
55.00	4.30	1.97	0.00	310.00	4.30	1.97	0.00
60.00	4.30	1.97	0.00	315.00	4.30	1.97	0.00
65.00	4.30	1.97	0.00	320.00	4.30	1.97	0.00
70.00	4.30	1.97	0.00	325.00	4.30	1.97	0.00
75.00	4.30	1.97	0.00	330.00	4.30	1.97	0.00
80.00	4.30	1.97	0.00	335.00	4.30	1.97	0.00
85.00	4.30	1.97	0.00	340.00	4.30	1.97	0.00
90.00	4.30	1.97	0.00	345.00	4.30	1.97	0.00
95.00	4.30	1.97	0.00	350.00	4.30	1.97	0.00
100.00	4.30	1.97	0.00	355.00	4.30	1.97	0.00
105.00	4.30	1.97	0.00	360.00	4.30	1.97	0.00
110.00	4.30	1.97	0.00	365.00	4.30	1.97	0.00
115.00	4.30	1.97	0.00	370.00	4.30	1.97	0.00
120.00	4.30	1.97	0.00	375.00	4.30	1.97	0.00
125.00	4.30	1.97	0.00	380.00	4.30	1.97	0.00
130.00	4.30	1.97	0.00	385.00	4.30	1.97	0.00
135.00	4.30	1.97	0.00	390.00	4.30	1.97	0.00
140.00	4.30	1.97	0.00	395.00	4.30	1.97	0.00
145.00	4.30	1.97	0.00	400.00	4.30	1.97	0.00
150.00	4.30	1.97	0.00	405.00	4.30	1.97	0.00
155.00	4.30	1.97	0.00	410.00	4.30	1.97	0.00
160.00	4.30	1.97	0.00	415.00	4.30	1.97	0.00
165.00	4.30	1.97	0.00	420.00	4.30	1.97	0.00
170.00	4.30	1.97	0.00	425.00	4.30	1.97	0.00
175.00	4.30	1.97	0.00	430.00	4.30	1.97	0.00
180.00	4.30	1.97	0.00	435.00	4.30	1.97	0.00
185.00	4.30	1.97	0.00	440.00	4.30	1.97	0.00
190.00	4.30	1.97	0.00	445.00	4.30	1.97	0.00
195.00	4.30	1.97	0.00	450.00	4.30	1.97	0.00
200.00	4.30	1.97	0.00	455.00	4.30	1.97	0.00
205.00	4.30	1.97	0.00	460.00	4.30	1.97	0.00
210.00	4.30	1.97	0.00	465.00	4.30	1.97	0.00
215.00	4.30	1.97	0.00	470.00	4.30	1.97	0.00
220.00	4.30	1.97	0.00	475.00	4.30	1.97	0.00
225.00	4.30	1.97	0.00	480.00	4.30	1.97	0.00
230.00	4.30	1.97	0.00	485.00	4.30	1.97	0.00
235.00	4.30	1.97	0.00	490.00	4.30	1.97	0.00
240.00	4.30	1.97	0.00	495.00	4.30	1.97	0.00
245.00	4.30	1.97	0.00	500.00	4.30	1.97	0.00
250.00	4.30	1.97	0.00				
255.00	4.30	1.97	0.00				

Summary for Subcatchment 3E: Post 3E

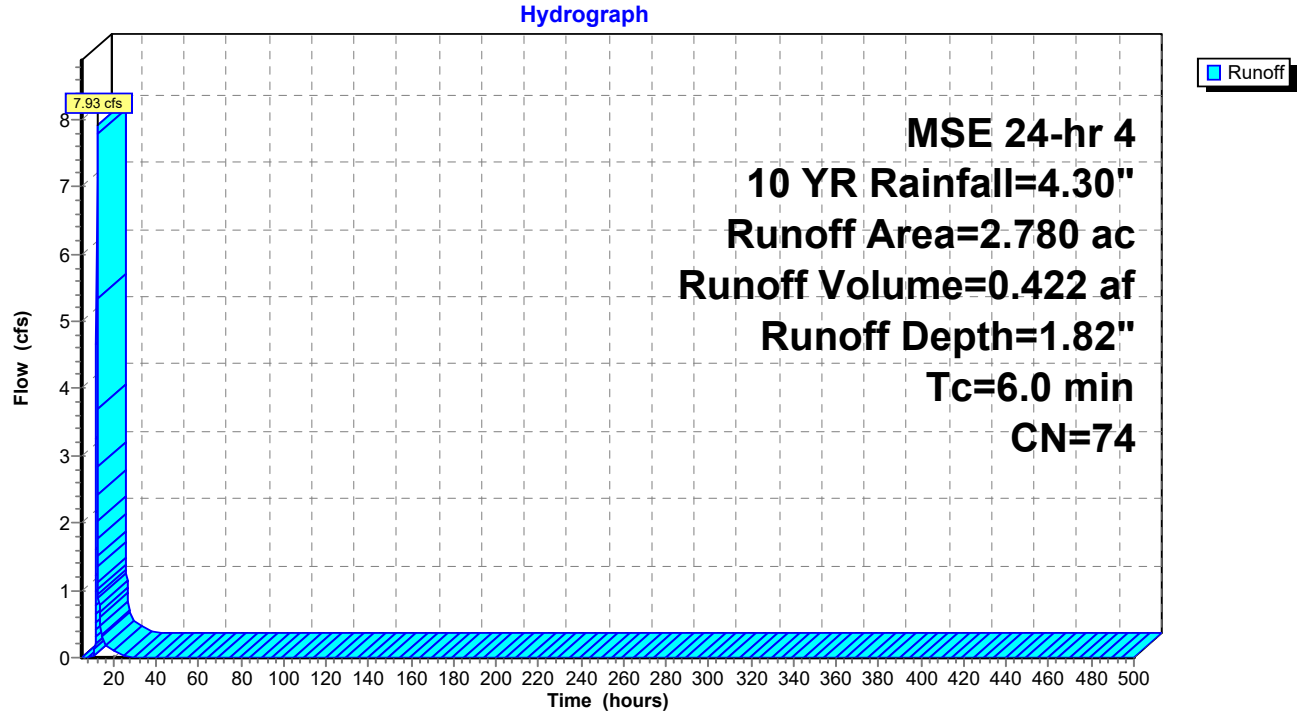
Runoff = 7.93 cfs @ 12.14 hrs, Volume= 0.422 af, Depth= 1.82"
Routed to Pond P3E : Pond 3E

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	0.530	98	Impervious
*	0.920	61	Post - B Soils
*	1.330	74	Post - C Soils
	2.780	74	Weighted Average
	2.250		80.94% Pervious Area
	0.530		19.06% Impervious Area

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

Subcatchment 3E: Post 3E



Hydrograph for Subcatchment 3E: Post 3E

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	260.00	4.30	1.82	0.00
10.00	0.68	0.00	**0.00**	265.00	4.30	1.82	0.00
15.00	3.78	1.44	**0.30**	270.00	4.30	1.82	0.00
20.00	**4.16**	**1.72**	0.11	275.00	4.30	1.82	0.00
25.00	**4.30**	**1.82**	0.00	280.00	4.30	1.82	0.00
30.00	4.30	1.82	0.00	285.00	4.30	1.82	0.00
35.00	4.30	1.82	0.00	290.00	4.30	1.82	0.00
40.00	4.30	1.82	0.00	295.00	4.30	1.82	0.00
45.00	4.30	1.82	0.00	300.00	4.30	1.82	0.00
50.00	4.30	1.82	0.00	305.00	4.30	1.82	0.00
55.00	4.30	1.82	0.00	310.00	4.30	1.82	0.00
60.00	4.30	1.82	0.00	315.00	4.30	1.82	0.00
65.00	4.30	1.82	0.00	320.00	4.30	1.82	0.00
70.00	4.30	1.82	0.00	325.00	4.30	1.82	0.00
75.00	4.30	1.82	0.00	330.00	4.30	1.82	0.00
80.00	4.30	1.82	0.00	335.00	4.30	1.82	0.00
85.00	4.30	1.82	0.00	340.00	4.30	1.82	0.00
90.00	4.30	1.82	0.00	345.00	4.30	1.82	0.00
95.00	4.30	1.82	0.00	350.00	4.30	1.82	0.00
100.00	4.30	1.82	0.00	355.00	4.30	1.82	0.00
105.00	4.30	1.82	0.00	360.00	4.30	1.82	0.00
110.00	4.30	1.82	0.00	365.00	4.30	1.82	0.00
115.00	4.30	1.82	0.00	370.00	4.30	1.82	0.00
120.00	4.30	1.82	0.00	375.00	4.30	1.82	0.00
125.00	4.30	1.82	0.00	380.00	4.30	1.82	0.00
130.00	4.30	1.82	0.00	385.00	4.30	1.82	0.00
135.00	4.30	1.82	0.00	390.00	4.30	1.82	0.00
140.00	4.30	1.82	0.00	395.00	4.30	1.82	0.00
145.00	4.30	1.82	0.00	400.00	4.30	1.82	0.00
150.00	4.30	1.82	0.00	405.00	4.30	1.82	0.00
155.00	4.30	1.82	0.00	410.00	4.30	1.82	0.00
160.00	4.30	1.82	0.00	415.00	4.30	1.82	0.00
165.00	4.30	1.82	0.00	420.00	4.30	1.82	0.00
170.00	4.30	1.82	0.00	425.00	4.30	1.82	0.00
175.00	4.30	1.82	0.00	430.00	4.30	1.82	0.00
180.00	4.30	1.82	0.00	435.00	4.30	1.82	0.00
185.00	4.30	1.82	0.00	440.00	4.30	1.82	0.00
190.00	4.30	1.82	0.00	445.00	4.30	1.82	0.00
195.00	4.30	1.82	0.00	450.00	4.30	1.82	0.00
200.00	4.30	1.82	0.00	455.00	4.30	1.82	0.00
205.00	4.30	1.82	0.00	460.00	4.30	1.82	0.00
210.00	4.30	1.82	0.00	465.00	4.30	1.82	0.00
215.00	4.30	1.82	0.00	470.00	4.30	1.82	0.00
220.00	4.30	1.82	0.00	475.00	4.30	1.82	0.00
225.00	4.30	1.82	0.00	480.00	4.30	1.82	0.00
230.00	4.30	1.82	0.00	485.00	4.30	1.82	0.00
235.00	4.30	1.82	0.00	490.00	4.30	1.82	0.00
240.00	4.30	1.82	0.00	495.00	4.30	1.82	0.00
245.00	4.30	1.82	0.00	500.00	4.30	1.82	0.00
250.00	4.30	1.82	0.00				
255.00	4.30	1.82	0.00				

Summary for Subcatchment 3Y: Post 3Y - Offsite

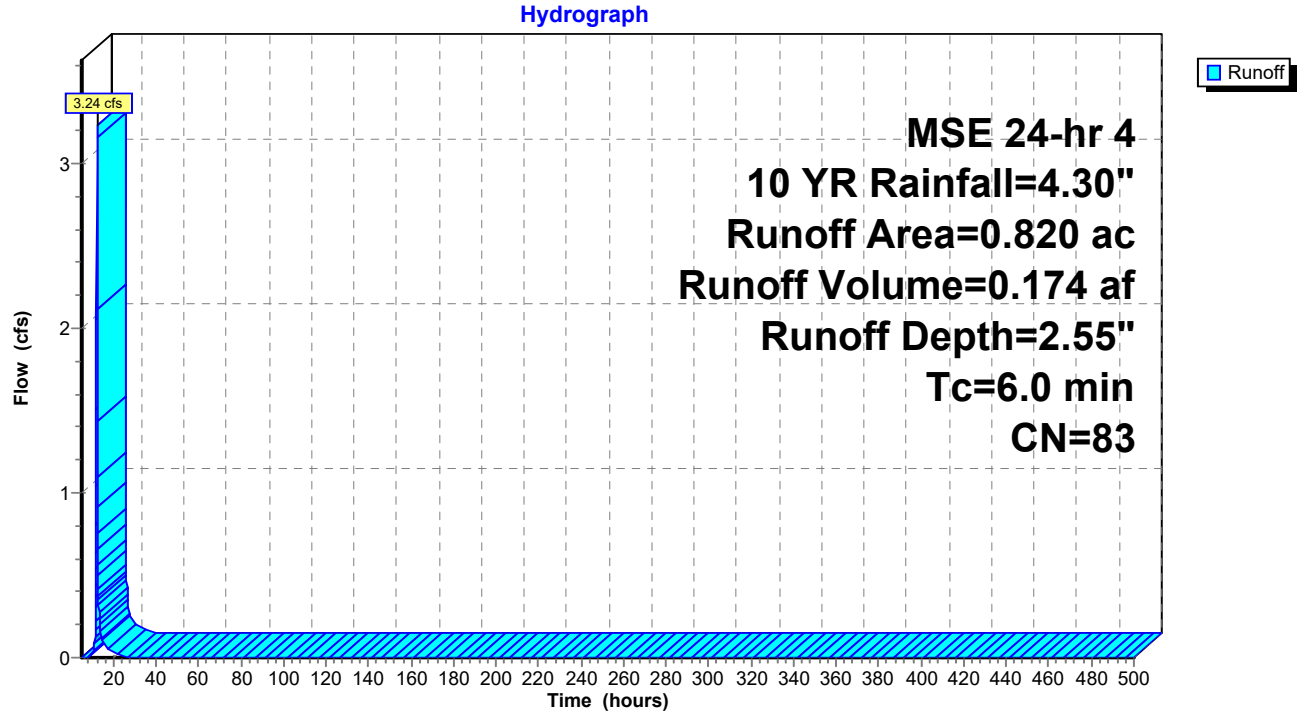
Runoff = 3.24 cfs @ 12.13 hrs, Volume= 0.174 af, Depth= 2.55"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	0.300	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.820	83	Weighted Average
	0.520		63.41% Pervious Area
	0.300		36.59% Impervious Area

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

Subcatchment 3Y: Post 3Y - Offsite



Hydrograph for Subcatchment 3Y: Post 3Y - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00
10.00	0.68	0.03	**0.03**
15.00	3.78	2.10	**0.11**
20.00	**4.16**	**2.43**	0.04
25.00	**4.30**	**2.55**	0.00
30.00	4.30	2.55	0.00
35.00	4.30	2.55	0.00
40.00	4.30	2.55	0.00
45.00	4.30	2.55	0.00
50.00	4.30	2.55	0.00
55.00	4.30	2.55	0.00
60.00	4.30	2.55	0.00
65.00	4.30	2.55	0.00
70.00	4.30	2.55	0.00
75.00	4.30	2.55	0.00
80.00	4.30	2.55	0.00
85.00	4.30	2.55	0.00
90.00	4.30	2.55	0.00
95.00	4.30	2.55	0.00
100.00	4.30	2.55	0.00
105.00	4.30	2.55	0.00
110.00	4.30	2.55	0.00
115.00	4.30	2.55	0.00
120.00	4.30	2.55	0.00
125.00	4.30	2.55	0.00
130.00	4.30	2.55	0.00
135.00	4.30	2.55	0.00
140.00	4.30	2.55	0.00
145.00	4.30	2.55	0.00
150.00	4.30	2.55	0.00
155.00	4.30	2.55	0.00
160.00	4.30	2.55	0.00
165.00	4.30	2.55	0.00
170.00	4.30	2.55	0.00
175.00	4.30	2.55	0.00
180.00	4.30	2.55	0.00
185.00	4.30	2.55	0.00
190.00	4.30	2.55	0.00
195.00	4.30	2.55	0.00
200.00	4.30	2.55	0.00
205.00	4.30	2.55	0.00
210.00	4.30	2.55	0.00
215.00	4.30	2.55	0.00
220.00	4.30	2.55	0.00
225.00	4.30	2.55	0.00
230.00	4.30	2.55	0.00
235.00	4.30	2.55	0.00
240.00	4.30	2.55	0.00
245.00	4.30	2.55	0.00
250.00	4.30	2.55	0.00
255.00	4.30	2.55	0.00
260.00	4.30	2.55	0.00
265.00	4.30	2.55	0.00
270.00	4.30	2.55	0.00
275.00	4.30	2.55	0.00
280.00	4.30	2.55	0.00
285.00	4.30	2.55	0.00
290.00	4.30	2.55	0.00
295.00	4.30	2.55	0.00
300.00	4.30	2.55	0.00
305.00	4.30	2.55	0.00
310.00	4.30	2.55	0.00
315.00	4.30	2.55	0.00
320.00	4.30	2.55	0.00
325.00	4.30	2.55	0.00
330.00	4.30	2.55	0.00
335.00	4.30	2.55	0.00
340.00	4.30	2.55	0.00
345.00	4.30	2.55	0.00
350.00	4.30	2.55	0.00
355.00	4.30	2.55	0.00
360.00	4.30	2.55	0.00
365.00	4.30	2.55	0.00
370.00	4.30	2.55	0.00
375.00	4.30	2.55	0.00
380.00	4.30	2.55	0.00
385.00	4.30	2.55	0.00
390.00	4.30	2.55	0.00
395.00	4.30	2.55	0.00
400.00	4.30	2.55	0.00
405.00	4.30	2.55	0.00
410.00	4.30	2.55	0.00
415.00	4.30	2.55	0.00
420.00	4.30	2.55	0.00
425.00	4.30	2.55	0.00
430.00	4.30	2.55	0.00
435.00	4.30	2.55	0.00
440.00	4.30	2.55	0.00
445.00	4.30	2.55	0.00
450.00	4.30	2.55	0.00
455.00	4.30	2.55	0.00
460.00	4.30	2.55	0.00
465.00	4.30	2.55	0.00
470.00	4.30	2.55	0.00
475.00	4.30	2.55	0.00
480.00	4.30	2.55	0.00
485.00	4.30	2.55	0.00
490.00	4.30	2.55	0.00
495.00	4.30	2.55	0.00
500.00	4.30	2.55	0.00

Summary for Subcatchment 3Z: Post 3Z - Offsite

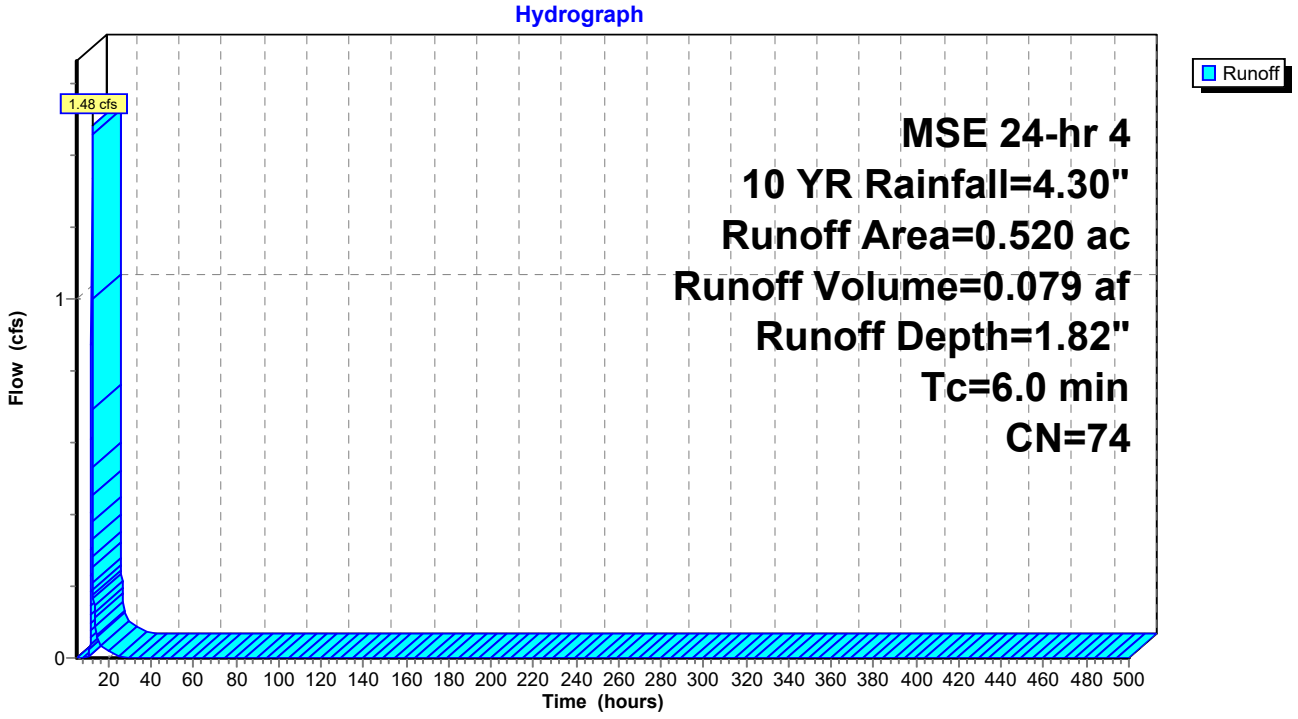
Runoff = 1.48 cfs @ 12.14 hrs, Volume= 0.079 af, Depth= 1.82"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (ac)	CN	Description
*	0.000	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.520	74	Weighted Average
	0.520		100.00% Pervious Area

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

Subcatchment 3Z: Post 3Z - Offsite



Hydrograph for Subcatchment 3Z: Post 3Z - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	260.00	4.30	1.82	0.00
10.00	0.68	0.00	**0.00**	265.00	4.30	1.82	0.00
15.00	3.78	1.44	**0.06**	270.00	4.30	1.82	0.00
20.00	**4.16**	**1.72**	0.02	275.00	4.30	1.82	0.00
25.00	**4.30**	**1.82**	0.00	280.00	4.30	1.82	0.00
30.00	4.30	1.82	0.00	285.00	4.30	1.82	0.00
35.00	4.30	1.82	0.00	290.00	4.30	1.82	0.00
40.00	4.30	1.82	0.00	295.00	4.30	1.82	0.00
45.00	4.30	1.82	0.00	300.00	4.30	1.82	0.00
50.00	4.30	1.82	0.00	305.00	4.30	1.82	0.00
55.00	4.30	1.82	0.00	310.00	4.30	1.82	0.00
60.00	4.30	1.82	0.00	315.00	4.30	1.82	0.00
65.00	4.30	1.82	0.00	320.00	4.30	1.82	0.00
70.00	4.30	1.82	0.00	325.00	4.30	1.82	0.00
75.00	4.30	1.82	0.00	330.00	4.30	1.82	0.00
80.00	4.30	1.82	0.00	335.00	4.30	1.82	0.00
85.00	4.30	1.82	0.00	340.00	4.30	1.82	0.00
90.00	4.30	1.82	0.00	345.00	4.30	1.82	0.00
95.00	4.30	1.82	0.00	350.00	4.30	1.82	0.00
100.00	4.30	1.82	0.00	355.00	4.30	1.82	0.00
105.00	4.30	1.82	0.00	360.00	4.30	1.82	0.00
110.00	4.30	1.82	0.00	365.00	4.30	1.82	0.00
115.00	4.30	1.82	0.00	370.00	4.30	1.82	0.00
120.00	4.30	1.82	0.00	375.00	4.30	1.82	0.00
125.00	4.30	1.82	0.00	380.00	4.30	1.82	0.00
130.00	4.30	1.82	0.00	385.00	4.30	1.82	0.00
135.00	4.30	1.82	0.00	390.00	4.30	1.82	0.00
140.00	4.30	1.82	0.00	395.00	4.30	1.82	0.00
145.00	4.30	1.82	0.00	400.00	4.30	1.82	0.00
150.00	4.30	1.82	0.00	405.00	4.30	1.82	0.00
155.00	4.30	1.82	0.00	410.00	4.30	1.82	0.00
160.00	4.30	1.82	0.00	415.00	4.30	1.82	0.00
165.00	4.30	1.82	0.00	420.00	4.30	1.82	0.00
170.00	4.30	1.82	0.00	425.00	4.30	1.82	0.00
175.00	4.30	1.82	0.00	430.00	4.30	1.82	0.00
180.00	4.30	1.82	0.00	435.00	4.30	1.82	0.00
185.00	4.30	1.82	0.00	440.00	4.30	1.82	0.00
190.00	4.30	1.82	0.00	445.00	4.30	1.82	0.00
195.00	4.30	1.82	0.00	450.00	4.30	1.82	0.00
200.00	4.30	1.82	0.00	455.00	4.30	1.82	0.00
205.00	4.30	1.82	0.00	460.00	4.30	1.82	0.00
210.00	4.30	1.82	0.00	465.00	4.30	1.82	0.00
215.00	4.30	1.82	0.00	470.00	4.30	1.82	0.00
220.00	4.30	1.82	0.00	475.00	4.30	1.82	0.00
225.00	4.30	1.82	0.00	480.00	4.30	1.82	0.00
230.00	4.30	1.82	0.00	485.00	4.30	1.82	0.00
235.00	4.30	1.82	0.00	490.00	4.30	1.82	0.00
240.00	4.30	1.82	0.00	495.00	4.30	1.82	0.00
245.00	4.30	1.82	0.00	500.00	4.30	1.82	0.00
250.00	4.30	1.82	0.00				
255.00	4.30	1.82	0.00				

Summary for Subcatchment 5S: Culvert 1

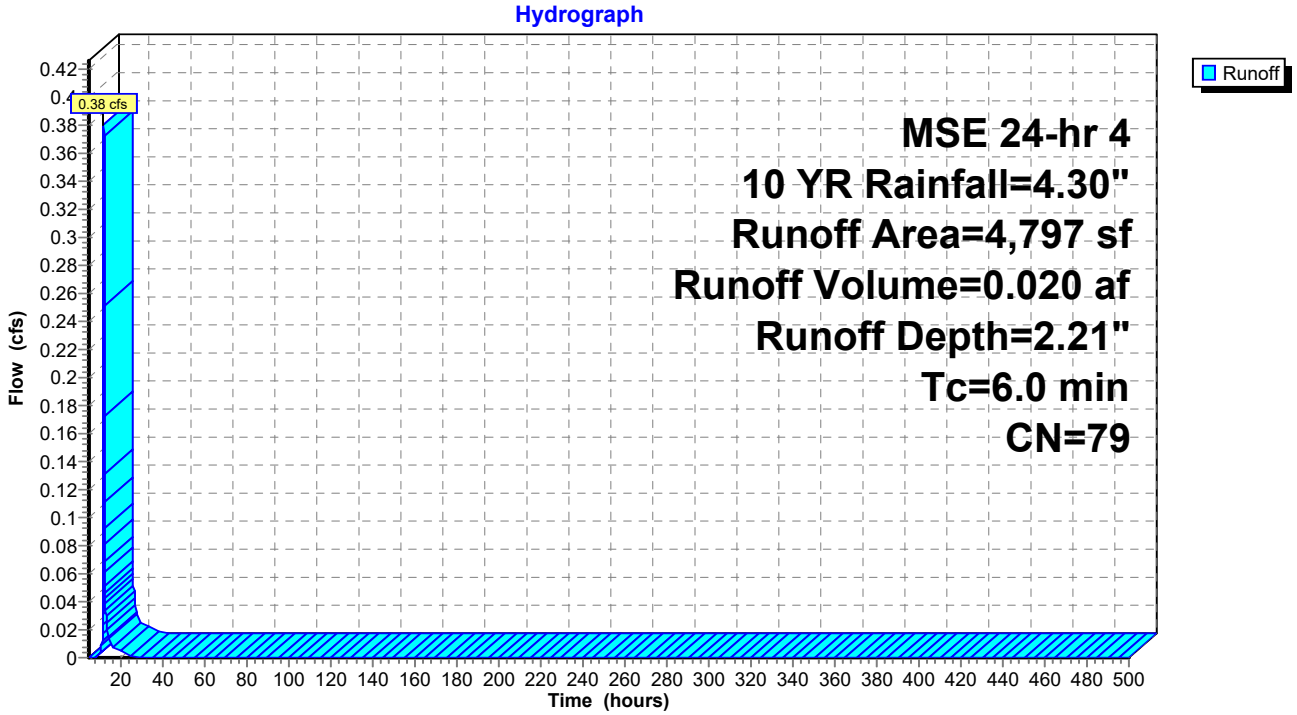
Runoff = 0.38 cfs @ 12.13 hrs, Volume= 0.020 af, Depth= 2.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (sf)	CN	Description
*	2,465	61	Post - B Soils
*	2,332	98	Impervious
	4,797	79	Weighted Average
	2,465		51.39% Pervious Area
	2,332		48.61% Impervious Area

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

Subcatchment 5S: Culvert 1



Hydrograph for Subcatchment 5S: Culvert 1

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	260.00	4.30	2.21	0.00
10.00	0.68	0.01	**0.00**	265.00	4.30	2.21	0.00
15.00	3.78	1.79	**0.01**	270.00	4.30	2.21	0.00
20.00	**4.16**	**2.09**	0.00	275.00	4.30	2.21	0.00
25.00	**4.30**	**2.21**	0.00	280.00	4.30	2.21	0.00
30.00	4.30	2.21	0.00	285.00	4.30	2.21	0.00
35.00	4.30	2.21	0.00	290.00	4.30	2.21	0.00
40.00	4.30	2.21	0.00	295.00	4.30	2.21	0.00
45.00	4.30	2.21	0.00	300.00	4.30	2.21	0.00
50.00	4.30	2.21	0.00	305.00	4.30	2.21	0.00
55.00	4.30	2.21	0.00	310.00	4.30	2.21	0.00
60.00	4.30	2.21	0.00	315.00	4.30	2.21	0.00
65.00	4.30	2.21	0.00	320.00	4.30	2.21	0.00
70.00	4.30	2.21	0.00	325.00	4.30	2.21	0.00
75.00	4.30	2.21	0.00	330.00	4.30	2.21	0.00
80.00	4.30	2.21	0.00	335.00	4.30	2.21	0.00
85.00	4.30	2.21	0.00	340.00	4.30	2.21	0.00
90.00	4.30	2.21	0.00	345.00	4.30	2.21	0.00
95.00	4.30	2.21	0.00	350.00	4.30	2.21	0.00
100.00	4.30	2.21	0.00	355.00	4.30	2.21	0.00
105.00	4.30	2.21	0.00	360.00	4.30	2.21	0.00
110.00	4.30	2.21	0.00	365.00	4.30	2.21	0.00
115.00	4.30	2.21	0.00	370.00	4.30	2.21	0.00
120.00	4.30	2.21	0.00	375.00	4.30	2.21	0.00
125.00	4.30	2.21	0.00	380.00	4.30	2.21	0.00
130.00	4.30	2.21	0.00	385.00	4.30	2.21	0.00
135.00	4.30	2.21	0.00	390.00	4.30	2.21	0.00
140.00	4.30	2.21	0.00	395.00	4.30	2.21	0.00
145.00	4.30	2.21	0.00	400.00	4.30	2.21	0.00
150.00	4.30	2.21	0.00	405.00	4.30	2.21	0.00
155.00	4.30	2.21	0.00	410.00	4.30	2.21	0.00
160.00	4.30	2.21	0.00	415.00	4.30	2.21	0.00
165.00	4.30	2.21	0.00	420.00	4.30	2.21	0.00
170.00	4.30	2.21	0.00	425.00	4.30	2.21	0.00
175.00	4.30	2.21	0.00	430.00	4.30	2.21	0.00
180.00	4.30	2.21	0.00	435.00	4.30	2.21	0.00
185.00	4.30	2.21	0.00	440.00	4.30	2.21	0.00
190.00	4.30	2.21	0.00	445.00	4.30	2.21	0.00
195.00	4.30	2.21	0.00	450.00	4.30	2.21	0.00
200.00	4.30	2.21	0.00	455.00	4.30	2.21	0.00
205.00	4.30	2.21	0.00	460.00	4.30	2.21	0.00
210.00	4.30	2.21	0.00	465.00	4.30	2.21	0.00
215.00	4.30	2.21	0.00	470.00	4.30	2.21	0.00
220.00	4.30	2.21	0.00	475.00	4.30	2.21	0.00
225.00	4.30	2.21	0.00	480.00	4.30	2.21	0.00
230.00	4.30	2.21	0.00	485.00	4.30	2.21	0.00
235.00	4.30	2.21	0.00	490.00	4.30	2.21	0.00
240.00	4.30	2.21	0.00	495.00	4.30	2.21	0.00
245.00	4.30	2.21	0.00	500.00	4.30	2.21	0.00
250.00	4.30	2.21	0.00				
255.00	4.30	2.21	0.00				

Summary for Subcatchment 6S: Culvert 2

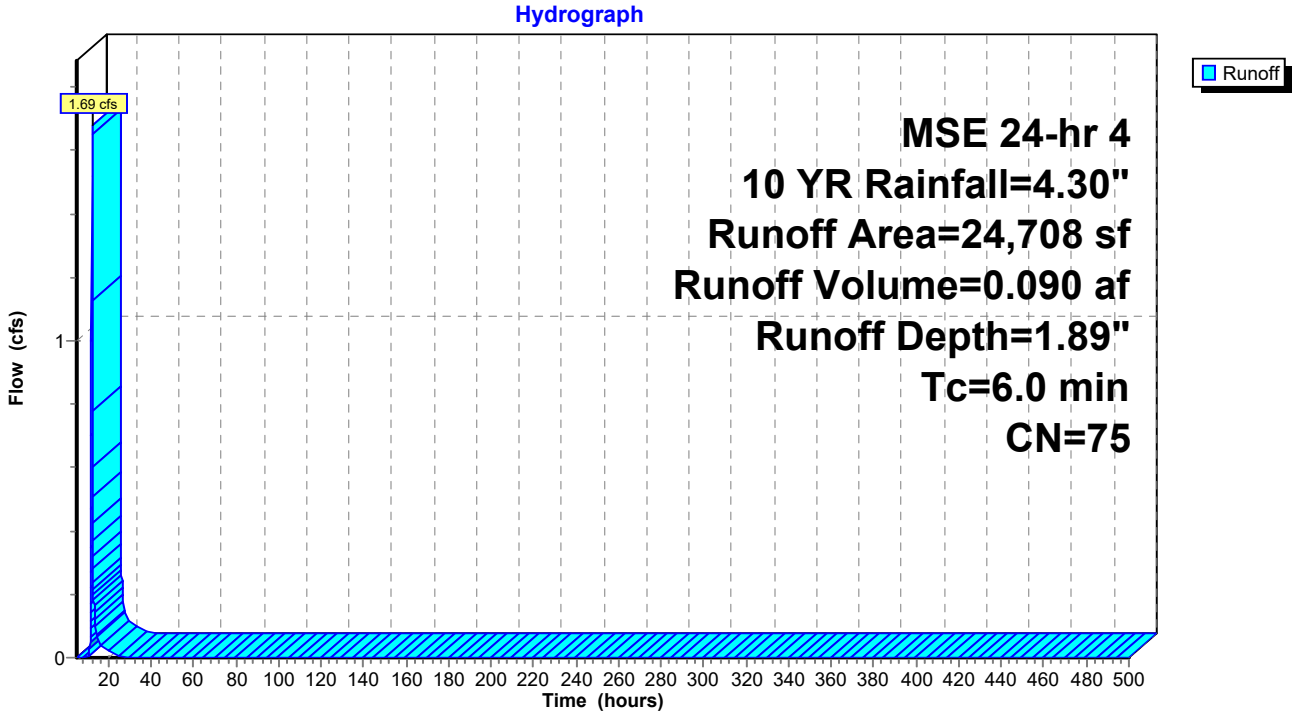
Runoff = 1.69 cfs @ 12.14 hrs, Volume= 0.090 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (sf)	CN	Description
*	15,597	61	Post - B Soils
*	9,111	98	Impervious
	24,708	75	Weighted Average
	15,597		63.13% Pervious Area
	9,111		36.87% Impervious Area

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

Subcatchment 6S: Culvert 2



Hydrograph for Subcatchment 6S: Culvert 2

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00
10.00	0.68	0.00	**0.00**
15.00	3.78	1.50	**0.06**
20.00	**4.16**	**1.79**	0.02
25.00	**4.30**	**1.89**	0.00
30.00	4.30	1.89	0.00
35.00	4.30	1.89	0.00
40.00	4.30	1.89	0.00
45.00	4.30	1.89	0.00
50.00	4.30	1.89	0.00
55.00	4.30	1.89	0.00
60.00	4.30	1.89	0.00
65.00	4.30	1.89	0.00
70.00	4.30	1.89	0.00
75.00	4.30	1.89	0.00
80.00	4.30	1.89	0.00
85.00	4.30	1.89	0.00
90.00	4.30	1.89	0.00
95.00	4.30	1.89	0.00
100.00	4.30	1.89	0.00
105.00	4.30	1.89	0.00
110.00	4.30	1.89	0.00
115.00	4.30	1.89	0.00
120.00	4.30	1.89	0.00
125.00	4.30	1.89	0.00
130.00	4.30	1.89	0.00
135.00	4.30	1.89	0.00
140.00	4.30	1.89	0.00
145.00	4.30	1.89	0.00
150.00	4.30	1.89	0.00
155.00	4.30	1.89	0.00
160.00	4.30	1.89	0.00
165.00	4.30	1.89	0.00
170.00	4.30	1.89	0.00
175.00	4.30	1.89	0.00
180.00	4.30	1.89	0.00
185.00	4.30	1.89	0.00
190.00	4.30	1.89	0.00
195.00	4.30	1.89	0.00
200.00	4.30	1.89	0.00
205.00	4.30	1.89	0.00
210.00	4.30	1.89	0.00
215.00	4.30	1.89	0.00
220.00	4.30	1.89	0.00
225.00	4.30	1.89	0.00
230.00	4.30	1.89	0.00
235.00	4.30	1.89	0.00
240.00	4.30	1.89	0.00
245.00	4.30	1.89	0.00
250.00	4.30	1.89	0.00
255.00	4.30	1.89	0.00
260.00	4.30	1.89	0.00
265.00	4.30	1.89	0.00
270.00	4.30	1.89	0.00
275.00	4.30	1.89	0.00
280.00	4.30	1.89	0.00
285.00	4.30	1.89	0.00
290.00	4.30	1.89	0.00
295.00	4.30	1.89	0.00
300.00	4.30	1.89	0.00
305.00	4.30	1.89	0.00
310.00	4.30	1.89	0.00
315.00	4.30	1.89	0.00
320.00	4.30	1.89	0.00
325.00	4.30	1.89	0.00
330.00	4.30	1.89	0.00
335.00	4.30	1.89	0.00
340.00	4.30	1.89	0.00
345.00	4.30	1.89	0.00
350.00	4.30	1.89	0.00
355.00	4.30	1.89	0.00
360.00	4.30	1.89	0.00
365.00	4.30	1.89	0.00
370.00	4.30	1.89	0.00
375.00	4.30	1.89	0.00
380.00	4.30	1.89	0.00
385.00	4.30	1.89	0.00
390.00	4.30	1.89	0.00
395.00	4.30	1.89	0.00
400.00	4.30	1.89	0.00
405.00	4.30	1.89	0.00
410.00	4.30	1.89	0.00
415.00	4.30	1.89	0.00
420.00	4.30	1.89	0.00
425.00	4.30	1.89	0.00
430.00	4.30	1.89	0.00
435.00	4.30	1.89	0.00
440.00	4.30	1.89	0.00
445.00	4.30	1.89	0.00
450.00	4.30	1.89	0.00
455.00	4.30	1.89	0.00
460.00	4.30	1.89	0.00
465.00	4.30	1.89	0.00
470.00	4.30	1.89	0.00
475.00	4.30	1.89	0.00
480.00	4.30	1.89	0.00
485.00	4.30	1.89	0.00
490.00	4.30	1.89	0.00
495.00	4.30	1.89	0.00
500.00	4.30	1.89	0.00

Summary for Subcatchment 7S: Culvert 3

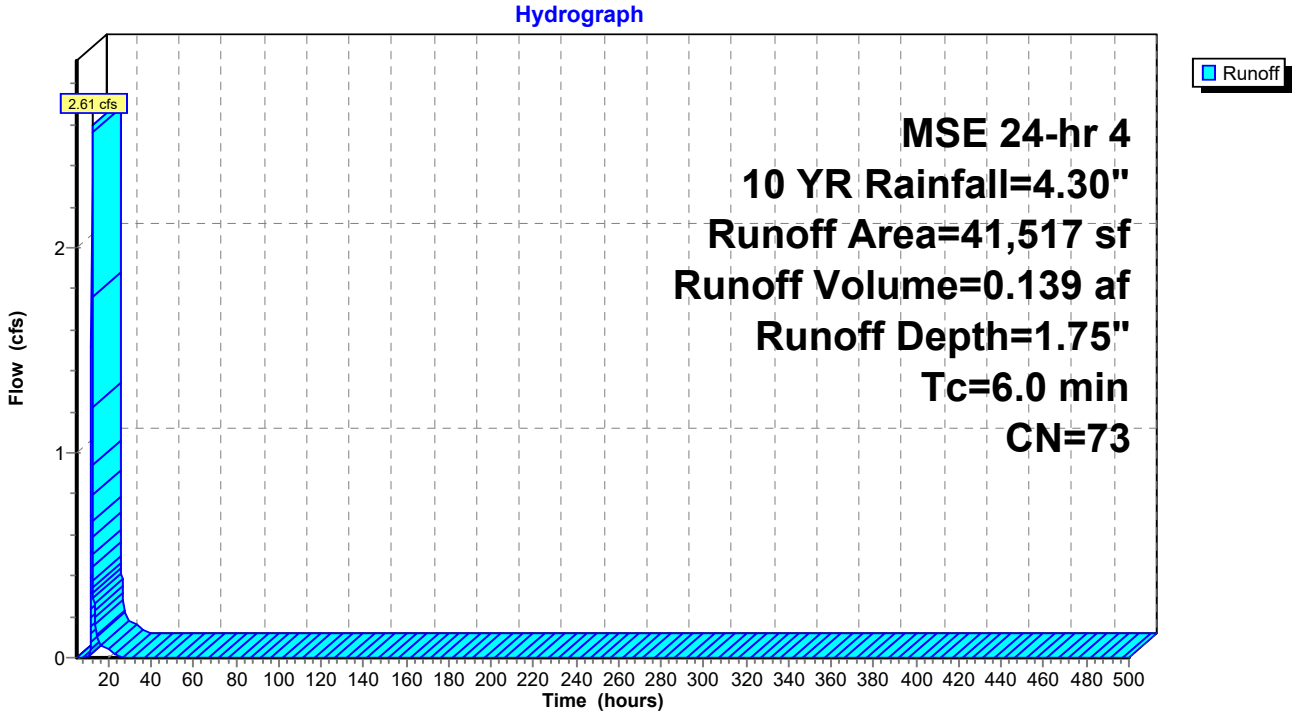
Runoff = 2.61 cfs @ 12.14 hrs, Volume= 0.139 af, Depth= 1.75"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (sf)	CN	Description
*	28,233	61	Post - B Soils
*	13,284	98	Impervious
	41,517	73	Weighted Average
	28,233		68.00% Pervious Area
	13,284		32.00% Impervious Area

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

Subcatchment 7S: Culvert 3



Hydrograph for Subcatchment 7S: Culvert 3

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00
10.00	0.68	0.00	**0.00**
15.00	3.78	1.37	**0.10**
20.00	**4.16**	**1.64**	0.04
25.00	**4.30**	**1.75**	0.00
30.00	4.30	1.75	0.00
35.00	4.30	1.75	0.00
40.00	4.30	1.75	0.00
45.00	4.30	1.75	0.00
50.00	4.30	1.75	0.00
55.00	4.30	1.75	0.00
60.00	4.30	1.75	0.00
65.00	4.30	1.75	0.00
70.00	4.30	1.75	0.00
75.00	4.30	1.75	0.00
80.00	4.30	1.75	0.00
85.00	4.30	1.75	0.00
90.00	4.30	1.75	0.00
95.00	4.30	1.75	0.00
100.00	4.30	1.75	0.00
105.00	4.30	1.75	0.00
110.00	4.30	1.75	0.00
115.00	4.30	1.75	0.00
120.00	4.30	1.75	0.00
125.00	4.30	1.75	0.00
130.00	4.30	1.75	0.00
135.00	4.30	1.75	0.00
140.00	4.30	1.75	0.00
145.00	4.30	1.75	0.00
150.00	4.30	1.75	0.00
155.00	4.30	1.75	0.00
160.00	4.30	1.75	0.00
165.00	4.30	1.75	0.00
170.00	4.30	1.75	0.00
175.00	4.30	1.75	0.00
180.00	4.30	1.75	0.00
185.00	4.30	1.75	0.00
190.00	4.30	1.75	0.00
195.00	4.30	1.75	0.00
200.00	4.30	1.75	0.00
205.00	4.30	1.75	0.00
210.00	4.30	1.75	0.00
215.00	4.30	1.75	0.00
220.00	4.30	1.75	0.00
225.00	4.30	1.75	0.00
230.00	4.30	1.75	0.00
235.00	4.30	1.75	0.00
240.00	4.30	1.75	0.00
245.00	4.30	1.75	0.00
250.00	4.30	1.75	0.00
255.00	4.30	1.75	0.00
260.00	4.30	1.75	0.00
265.00	4.30	1.75	0.00
270.00	4.30	1.75	0.00
275.00	4.30	1.75	0.00
280.00	4.30	1.75	0.00
285.00	4.30	1.75	0.00
290.00	4.30	1.75	0.00
295.00	4.30	1.75	0.00
300.00	4.30	1.75	0.00
305.00	4.30	1.75	0.00
310.00	4.30	1.75	0.00
315.00	4.30	1.75	0.00
320.00	4.30	1.75	0.00
325.00	4.30	1.75	0.00
330.00	4.30	1.75	0.00
335.00	4.30	1.75	0.00
340.00	4.30	1.75	0.00
345.00	4.30	1.75	0.00
350.00	4.30	1.75	0.00
355.00	4.30	1.75	0.00
360.00	4.30	1.75	0.00
365.00	4.30	1.75	0.00
370.00	4.30	1.75	0.00
375.00	4.30	1.75	0.00
380.00	4.30	1.75	0.00
385.00	4.30	1.75	0.00
390.00	4.30	1.75	0.00
395.00	4.30	1.75	0.00
400.00	4.30	1.75	0.00
405.00	4.30	1.75	0.00
410.00	4.30	1.75	0.00
415.00	4.30	1.75	0.00
420.00	4.30	1.75	0.00
425.00	4.30	1.75	0.00
430.00	4.30	1.75	0.00
435.00	4.30	1.75	0.00
440.00	4.30	1.75	0.00
445.00	4.30	1.75	0.00
450.00	4.30	1.75	0.00
455.00	4.30	1.75	0.00
460.00	4.30	1.75	0.00
465.00	4.30	1.75	0.00
470.00	4.30	1.75	0.00
475.00	4.30	1.75	0.00
480.00	4.30	1.75	0.00
485.00	4.30	1.75	0.00
490.00	4.30	1.75	0.00
495.00	4.30	1.75	0.00
500.00	4.30	1.75	0.00

Summary for Subcatchment 8S: Culvert 4

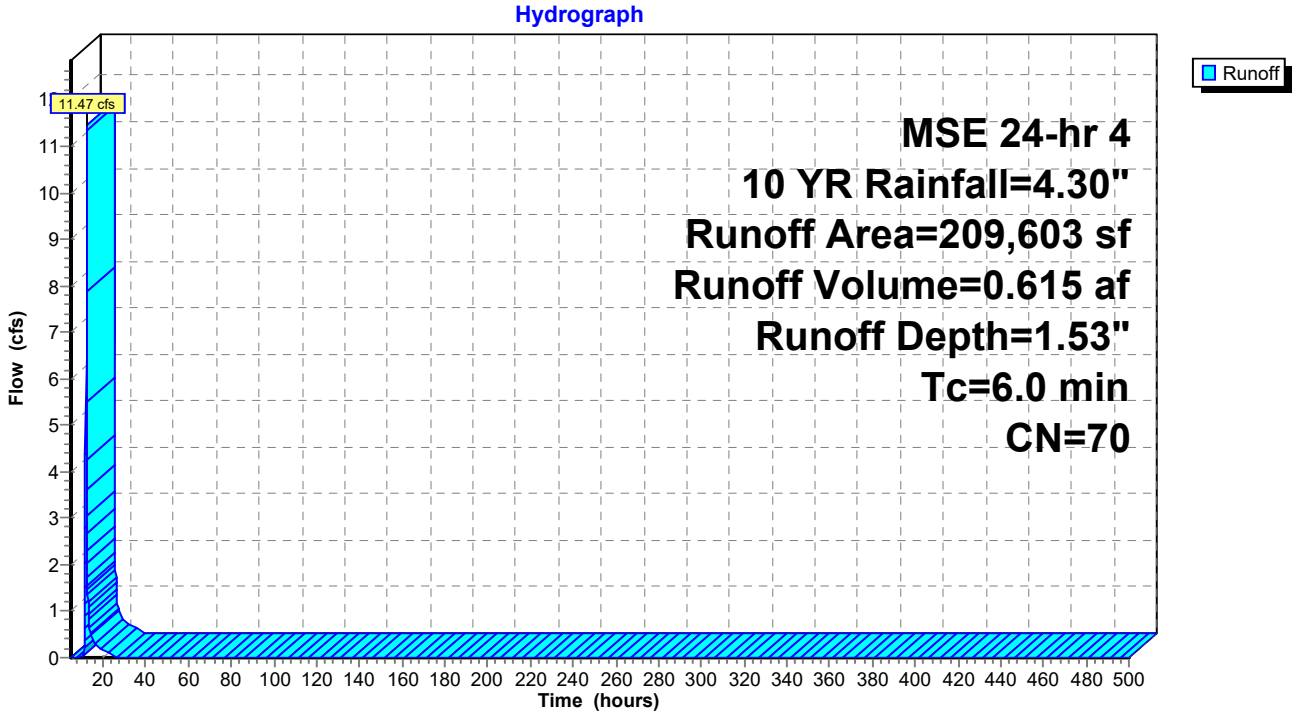
Runoff = 11.47 cfs @ 12.14 hrs, Volume= 0.615 af, Depth= 1.53"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (sf)	CN	Description
*	156,823	61	Post - B Soils
*	52,780	98	Impervious
	209,603	70	Weighted Average
	156,823		74.82% Pervious Area
	52,780		25.18% Impervious Area

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

Subcatchment 8S: Culvert 4



Hydrograph for Subcatchment 8S: Culvert 4

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	260.00	4.30	1.53	0.00
10.00	0.68	0.00	**0.00**	265.00	4.30	1.53	0.00
15.00	3.78	1.18	**0.48**	270.00	4.30	1.53	0.00
20.00	**4.16**	**1.44**	0.18	275.00	4.30	1.53	0.00
25.00	**4.30**	**1.53**	0.00	280.00	4.30	1.53	0.00
30.00	4.30	1.53	0.00	285.00	4.30	1.53	0.00
35.00	4.30	1.53	0.00	290.00	4.30	1.53	0.00
40.00	4.30	1.53	0.00	295.00	4.30	1.53	0.00
45.00	4.30	1.53	0.00	300.00	4.30	1.53	0.00
50.00	4.30	1.53	0.00	305.00	4.30	1.53	0.00
55.00	4.30	1.53	0.00	310.00	4.30	1.53	0.00
60.00	4.30	1.53	0.00	315.00	4.30	1.53	0.00
65.00	4.30	1.53	0.00	320.00	4.30	1.53	0.00
70.00	4.30	1.53	0.00	325.00	4.30	1.53	0.00
75.00	4.30	1.53	0.00	330.00	4.30	1.53	0.00
80.00	4.30	1.53	0.00	335.00	4.30	1.53	0.00
85.00	4.30	1.53	0.00	340.00	4.30	1.53	0.00
90.00	4.30	1.53	0.00	345.00	4.30	1.53	0.00
95.00	4.30	1.53	0.00	350.00	4.30	1.53	0.00
100.00	4.30	1.53	0.00	355.00	4.30	1.53	0.00
105.00	4.30	1.53	0.00	360.00	4.30	1.53	0.00
110.00	4.30	1.53	0.00	365.00	4.30	1.53	0.00
115.00	4.30	1.53	0.00	370.00	4.30	1.53	0.00
120.00	4.30	1.53	0.00	375.00	4.30	1.53	0.00
125.00	4.30	1.53	0.00	380.00	4.30	1.53	0.00
130.00	4.30	1.53	0.00	385.00	4.30	1.53	0.00
135.00	4.30	1.53	0.00	390.00	4.30	1.53	0.00
140.00	4.30	1.53	0.00	395.00	4.30	1.53	0.00
145.00	4.30	1.53	0.00	400.00	4.30	1.53	0.00
150.00	4.30	1.53	0.00	405.00	4.30	1.53	0.00
155.00	4.30	1.53	0.00	410.00	4.30	1.53	0.00
160.00	4.30	1.53	0.00	415.00	4.30	1.53	0.00
165.00	4.30	1.53	0.00	420.00	4.30	1.53	0.00
170.00	4.30	1.53	0.00	425.00	4.30	1.53	0.00
175.00	4.30	1.53	0.00	430.00	4.30	1.53	0.00
180.00	4.30	1.53	0.00	435.00	4.30	1.53	0.00
185.00	4.30	1.53	0.00	440.00	4.30	1.53	0.00
190.00	4.30	1.53	0.00	445.00	4.30	1.53	0.00
195.00	4.30	1.53	0.00	450.00	4.30	1.53	0.00
200.00	4.30	1.53	0.00	455.00	4.30	1.53	0.00
205.00	4.30	1.53	0.00	460.00	4.30	1.53	0.00
210.00	4.30	1.53	0.00	465.00	4.30	1.53	0.00
215.00	4.30	1.53	0.00	470.00	4.30	1.53	0.00
220.00	4.30	1.53	0.00	475.00	4.30	1.53	0.00
225.00	4.30	1.53	0.00	480.00	4.30	1.53	0.00
230.00	4.30	1.53	0.00	485.00	4.30	1.53	0.00
235.00	4.30	1.53	0.00	490.00	4.30	1.53	0.00
240.00	4.30	1.53	0.00	495.00	4.30	1.53	0.00
245.00	4.30	1.53	0.00	500.00	4.30	1.53	0.00
250.00	4.30	1.53	0.00				
255.00	4.30	1.53	0.00				

Summary for Subcatchment 9S: Culvert 5

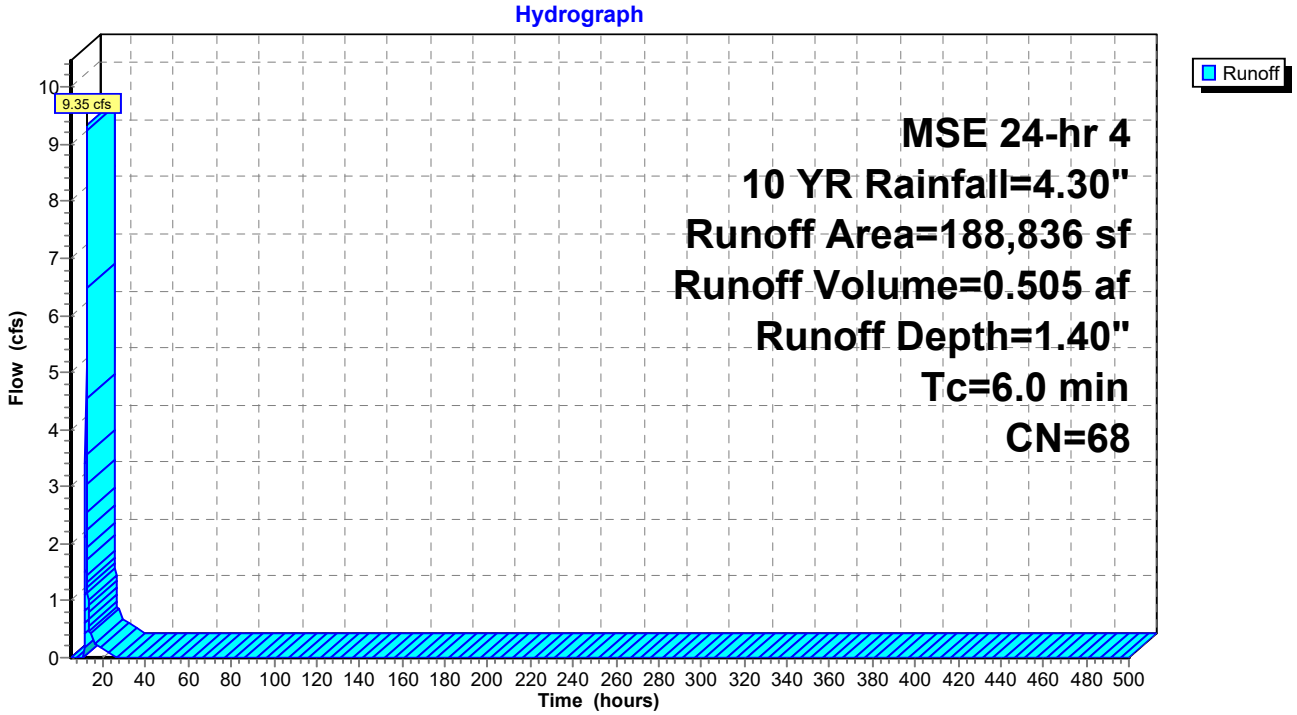
Runoff = 9.35 cfs @ 12.14 hrs, Volume= 0.505 af, Depth= 1.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10 YR Rainfall=4.30"

	Area (sf)	CN	Description
*	151,149	61	Post - B Soils
*	37,687	98	Impervious
	188,836	68	Weighted Average
	151,149		80.04% Pervious Area
	37,687		19.96% Impervious Area

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

Subcatchment 9S: Culvert 5



Hydrograph for Subcatchment 9S: Culvert 5

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00
10.00	0.68	0.00	**0.00**
15.00	3.78	1.07	**0.41**
20.00	**4.16**	**1.31**	0.15
25.00	**4.30**	**1.40**	0.00
30.00	4.30	1.40	0.00
35.00	4.30	1.40	0.00
40.00	4.30	1.40	0.00
45.00	4.30	1.40	0.00
50.00	4.30	1.40	0.00
55.00	4.30	1.40	0.00
60.00	4.30	1.40	0.00
65.00	4.30	1.40	0.00
70.00	4.30	1.40	0.00
75.00	4.30	1.40	0.00
80.00	4.30	1.40	0.00
85.00	4.30	1.40	0.00
90.00	4.30	1.40	0.00
95.00	4.30	1.40	0.00
100.00	4.30	1.40	0.00
105.00	4.30	1.40	0.00
110.00	4.30	1.40	0.00
115.00	4.30	1.40	0.00
120.00	4.30	1.40	0.00
125.00	4.30	1.40	0.00
130.00	4.30	1.40	0.00
135.00	4.30	1.40	0.00
140.00	4.30	1.40	0.00
145.00	4.30	1.40	0.00
150.00	4.30	1.40	0.00
155.00	4.30	1.40	0.00
160.00	4.30	1.40	0.00
165.00	4.30	1.40	0.00
170.00	4.30	1.40	0.00
175.00	4.30	1.40	0.00
180.00	4.30	1.40	0.00
185.00	4.30	1.40	0.00
190.00	4.30	1.40	0.00
195.00	4.30	1.40	0.00
200.00	4.30	1.40	0.00
205.00	4.30	1.40	0.00
210.00	4.30	1.40	0.00
215.00	4.30	1.40	0.00
220.00	4.30	1.40	0.00
225.00	4.30	1.40	0.00
230.00	4.30	1.40	0.00
235.00	4.30	1.40	0.00
240.00	4.30	1.40	0.00
245.00	4.30	1.40	0.00
250.00	4.30	1.40	0.00
255.00	4.30	1.40	0.00
260.00	4.30	1.40	0.00
265.00	4.30	1.40	0.00
270.00	4.30	1.40	0.00
275.00	4.30	1.40	0.00
280.00	4.30	1.40	0.00
285.00	4.30	1.40	0.00
290.00	4.30	1.40	0.00
295.00	4.30	1.40	0.00
300.00	4.30	1.40	0.00
305.00	4.30	1.40	0.00
310.00	4.30	1.40	0.00
315.00	4.30	1.40	0.00
320.00	4.30	1.40	0.00
325.00	4.30	1.40	0.00
330.00	4.30	1.40	0.00
335.00	4.30	1.40	0.00
340.00	4.30	1.40	0.00
345.00	4.30	1.40	0.00
350.00	4.30	1.40	0.00
355.00	4.30	1.40	0.00
360.00	4.30	1.40	0.00
365.00	4.30	1.40	0.00
370.00	4.30	1.40	0.00
375.00	4.30	1.40	0.00
380.00	4.30	1.40	0.00
385.00	4.30	1.40	0.00
390.00	4.30	1.40	0.00
395.00	4.30	1.40	0.00
400.00	4.30	1.40	0.00
405.00	4.30	1.40	0.00
410.00	4.30	1.40	0.00
415.00	4.30	1.40	0.00
420.00	4.30	1.40	0.00
425.00	4.30	1.40	0.00
430.00	4.30	1.40	0.00
435.00	4.30	1.40	0.00
440.00	4.30	1.40	0.00
445.00	4.30	1.40	0.00
450.00	4.30	1.40	0.00
455.00	4.30	1.40	0.00
460.00	4.30	1.40	0.00
465.00	4.30	1.40	0.00
470.00	4.30	1.40	0.00
475.00	4.30	1.40	0.00
480.00	4.30	1.40	0.00
485.00	4.30	1.40	0.00
490.00	4.30	1.40	0.00
495.00	4.30	1.40	0.00
500.00	4.30	1.40	0.00

Summary for Pond P1A: Pond 1A

Inflow Area = 6.030 ac, 19.24% Impervious, Inflow Depth = 1.40" for 10 YR event
Inflow = 13.00 cfs @ 12.14 hrs, Volume= 0.703 af
Outflow = 2.19 cfs @ 12.58 hrs, Volume= 0.703 af, Atten= 83%, Lag= 26.4 min
Primary = 1.66 cfs @ 12.58 hrs, Volume= 0.276 af
Routed to Link 3L : Post - South
Secondary = 0.53 cfs @ 12.58 hrs, Volume= 0.427 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,241.65' @ 12.58 hrs Surf.Area= 6,330 sf Storage= 11,696 cf

Plug-Flow detention time= 132.1 min calculated for 0.703 af (100% of inflow)
Center-of-Mass det. time= 132.1 min (975.0 - 842.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1,239.00'	30,563 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

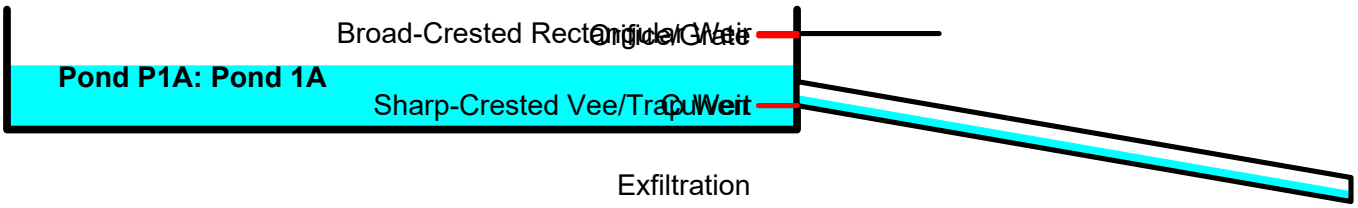
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,239.00	2,496	0	0
1,244.00	9,729	30,563	30,563

Device	Routing	Invert	Outlet Devices
#1	Primary	1,240.00'	**12.0" Round Culvert** L= 39.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,240.00' / 1,236.00' S= 0.1026 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,240.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,242.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,239.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,243.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=1.66 cfs @ 12.58 hrs HW=1,241.65' (Free Discharge)
└**1=Culvert** (Passes 1.66 cfs of 4.05 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 1.66 cfs @ 3.45 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

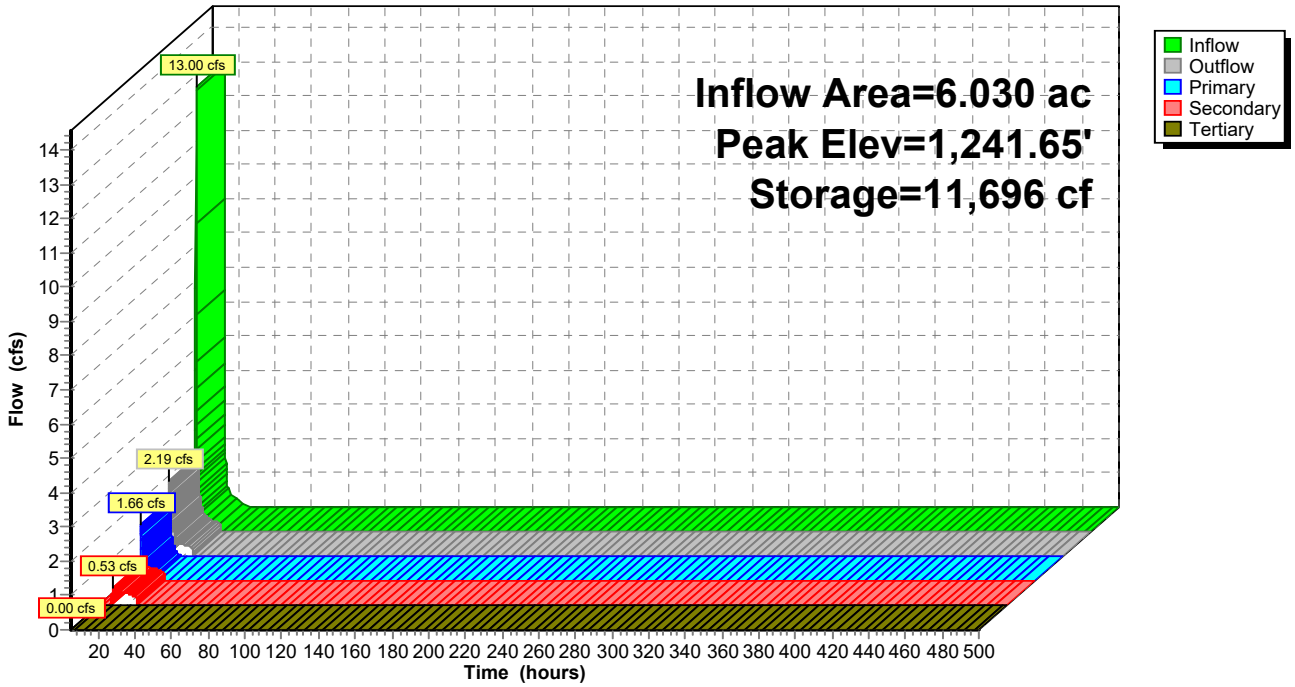
Secondary OutFlow Max=0.53 cfs @ 12.58 hrs HW=1,241.65' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.53 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,239.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

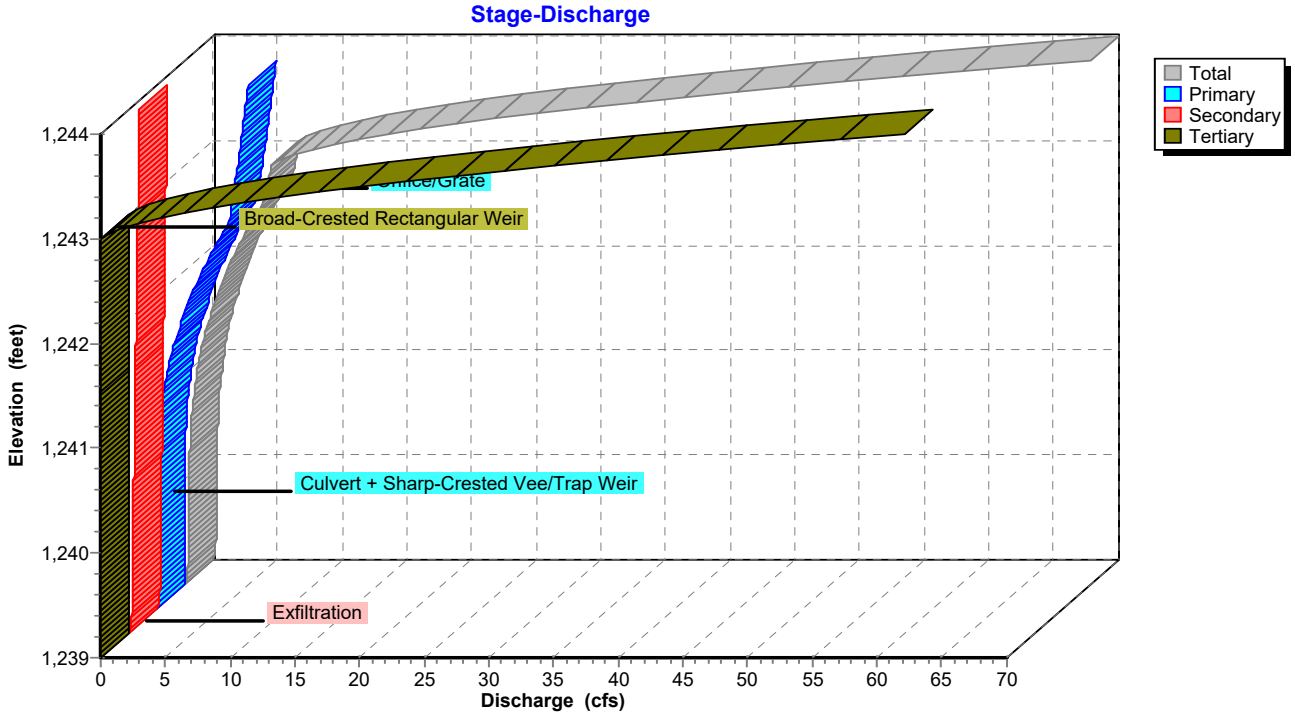


Pond P1A: Pond 1A

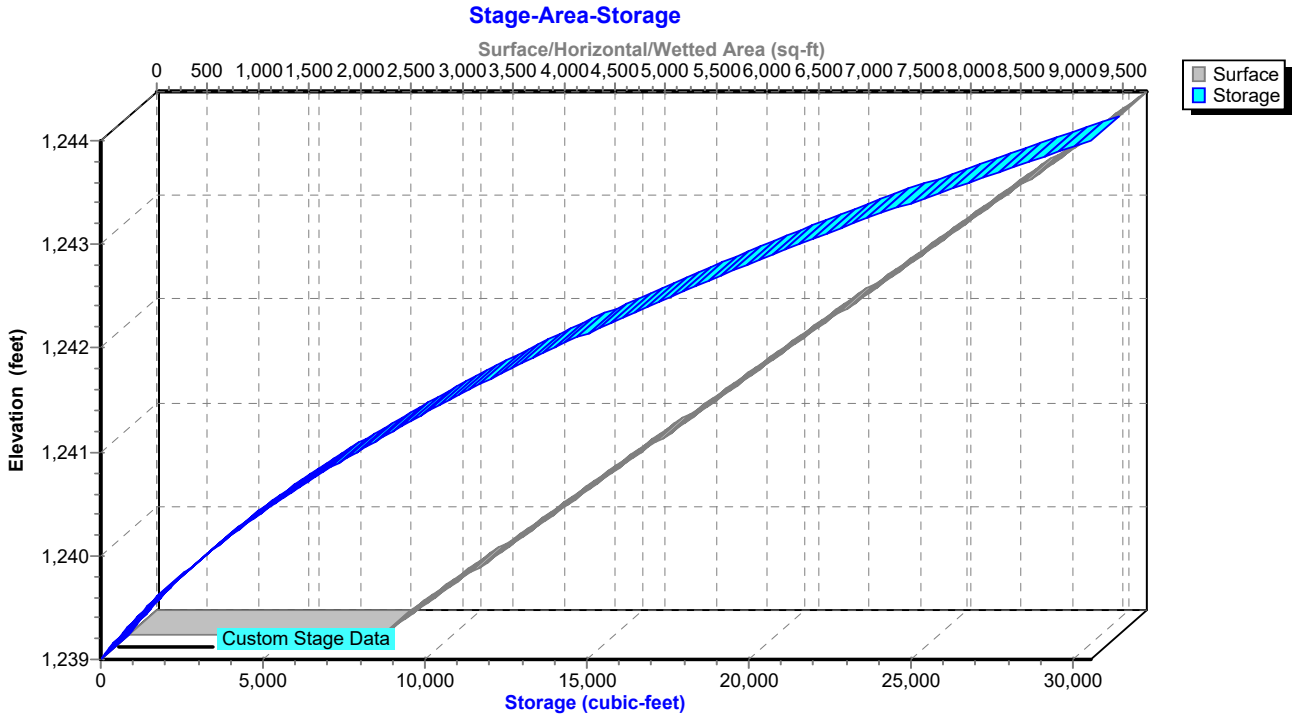
Hydrograph



Pond P1A: Pond 1A



Pond P1A: Pond 1A



Hydrograph for Pond P1A: Pond 1A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,239.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.56**	**7,487**	**1,240.93**	**0.83**	**0.39**	**0.44**	0.00
25.00	0.00	568	1,239.21	0.23	0.00	0.23	0.00
35.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P1A: Pond 1A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,239.00	0.00	0.00	0.00	0.00
1,239.10	0.22	0.00	0.22	0.00
1,239.20	0.23	0.00	0.23	0.00
1,239.30	0.24	0.00	0.24	0.00
1,239.40	0.26	0.00	0.26	0.00
1,239.50	0.27	0.00	0.27	0.00
1,239.60	0.28	0.00	0.28	0.00
1,239.70	0.29	0.00	0.29	0.00
1,239.80	0.30	0.00	0.30	0.00
1,239.90	0.32	0.00	0.32	0.00
1,240.00	0.33	0.00	0.33	0.00
1,240.10	0.34	0.00	0.34	0.00
1,240.20	0.36	0.01	0.35	0.00
1,240.30	0.39	0.02	0.36	0.00
1,240.40	0.42	0.05	0.38	0.00
1,240.50	0.47	0.08	0.39	0.00
1,240.60	0.53	0.13	0.40	0.00
1,240.70	0.61	0.19	0.41	0.00
1,240.80	0.70	0.27	0.42	0.00
1,240.90	0.80	0.36	0.44	0.00
1,241.00	0.92	0.47	0.45	0.00
1,241.10	1.06	0.60	0.46	0.00
1,241.20	1.22	0.75	0.47	0.00
1,241.30	1.40	0.91	0.49	0.00
1,241.40	1.60	1.10	0.50	0.00
1,241.50	1.82	1.31	0.51	0.00
1,241.60	2.06	1.54	0.52	0.00
1,241.70	2.32	1.79	0.53	0.00
1,241.80	2.61	2.06	0.55	0.00
1,241.90	2.92	2.36	0.56	0.00
1,242.00	3.25	2.68	0.57	0.00
1,242.10	3.61	3.03	0.58	0.00
1,242.20	4.00	3.41	0.59	0.00
1,242.30	4.41	3.81	0.61	0.00
1,242.40	4.85	4.23	0.62	0.00
1,242.50	5.32	4.69	0.63	0.00
1,242.60	5.81	5.17	0.64	0.00
1,242.70	6.26	5.61	0.65	0.00
1,242.80	6.40	5.74	0.67	0.00
1,242.90	6.54	5.86	0.68	0.00
1,243.00	6.67	5.98	0.69	0.00
1,243.10	8.40	6.10	0.70	1.60
1,243.20	11.53	6.21	0.71	4.60
1,243.30	15.75	6.33	0.73	8.70
1,243.40	20.96	6.44	0.74	13.78
1,243.50	27.39	6.55	0.75	20.08
1,243.60	34.93	6.66	0.76	27.51
1,243.70	42.64	6.76	0.77	35.10
1,243.80	51.08	6.87	0.79	43.42
1,243.90	60.22	6.97	0.80	52.45
1,244.00	**70.06**	**7.07**	**0.81**	**62.18**

Stage-Area-Storage for Pond P1A: Pond 1A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,239.00	2,496	0
1,239.05	2,568	127
1,239.10	2,641	257
1,239.15	2,713	391
1,239.20	2,785	528
1,239.25	2,858	669
1,239.30	2,930	814
1,239.35	3,002	962
1,239.40	3,075	1,114
1,239.45	3,147	1,270
1,239.50	3,219	1,429
1,239.55	3,292	1,592
1,239.60	3,364	1,758
1,239.65	3,436	1,928
1,239.70	3,509	2,102
1,239.75	3,581	2,279
1,239.80	3,653	2,460
1,239.85	3,726	2,644
1,239.90	3,798	2,832
1,239.95	3,870	3,024
1,240.00	3,943	3,219
1,240.05	4,015	3,418
1,240.10	4,087	3,621
1,240.15	4,160	3,827
1,240.20	4,232	4,037
1,240.25	4,304	4,250
1,240.30	4,377	4,467
1,240.35	4,449	4,688
1,240.40	4,521	4,912
1,240.45	4,594	5,140
1,240.50	4,666	5,371
1,240.55	4,738	5,607
1,240.60	4,811	5,845
1,240.65	4,883	6,088
1,240.70	4,955	6,334
1,240.75	5,028	6,583
1,240.80	5,100	6,836
1,240.85	5,172	7,093
1,240.90	5,245	7,354
1,240.95	5,317	7,618
1,241.00	5,389	7,885
1,241.05	5,462	8,156
1,241.10	5,534	8,431
1,241.15	5,606	8,710
1,241.20	5,679	8,992
1,241.25	5,751	9,278
1,241.30	5,823	9,567
1,241.35	5,896	9,860
1,241.40	5,968	10,157
1,241.45	6,040	10,457
1,241.50	6,113	10,761
1,241.55	6,185	11,068
1,241.60	6,257	11,379
1,241.65	6,329	11,694
1,241.70	6,402	12,012
1,241.75	6,474	12,334
1,241.80	6,546	12,659
1,241.85	6,619	12,989
1,241.90	6,691	13,321
1,241.95	6,763	13,658
1,242.00	6,836	13,998
1,242.05	6,908	14,341
1,242.10	6,980	14,689
1,242.15	7,053	15,039
1,242.20	7,125	15,394
1,242.25	7,197	15,752
1,242.30	7,270	16,114
1,242.35	7,342	16,479
1,242.40	7,414	16,848
1,242.45	7,487	17,220
1,242.50	7,559	17,596
1,242.55	7,631	17,976
1,242.60	7,704	18,360
1,242.65	7,776	18,747
1,242.70	7,848	19,137
1,242.75	7,921	19,531
1,242.80	7,993	19,929
1,242.85	8,065	20,331
1,242.90	8,138	20,736
1,242.95	8,210	21,144
1,243.00	8,282	21,557
1,243.05	8,355	21,973
1,243.10	8,427	22,392
1,243.15	8,499	22,815
1,243.20	8,572	23,242
1,243.25	8,644	23,673
1,243.30	8,716	24,107
1,243.35	8,789	24,544
1,243.40	8,861	24,985
1,243.45	8,933	25,430
1,243.50	9,006	25,879
1,243.55	9,078	26,331
1,243.60	9,150	26,787
1,243.65	9,223	27,246
1,243.70	9,295	27,709
1,243.75	9,367	28,175
1,243.80	9,440	28,646
1,243.85	9,512	29,119
1,243.90	9,584	29,597
1,243.95	9,657	30,078
1,244.00	**9,729**	**30,563**

Summary for Pond P3A: Pond 3A

Inflow Area = 10.600 ac, 18.58% Impervious, Inflow Depth = 1.53" for 10 YR event
Inflow = 25.27 cfs @ 12.14 hrs, Volume= 1.355 af
Outflow = 4.83 cfs @ 12.52 hrs, Volume= 1.355 af, Atten= 81%, Lag= 23.2 min
Primary = 4.07 cfs @ 12.52 hrs, Volume= 0.668 af
Routed to Link 4L : Post - North
Secondary = 0.77 cfs @ 12.52 hrs, Volume= 0.687 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,195.36' @ 12.52 hrs Surf.Area= 9,182 sf Storage= 22,437 cf

Plug-Flow detention time= 133.9 min calculated for 1.355 af (100% of inflow)
Center-of-Mass det. time= 133.9 min (972.0 - 838.0)

Volume	Invert	Avail.Storage	Storage Description
#1	1,192.00'	51,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

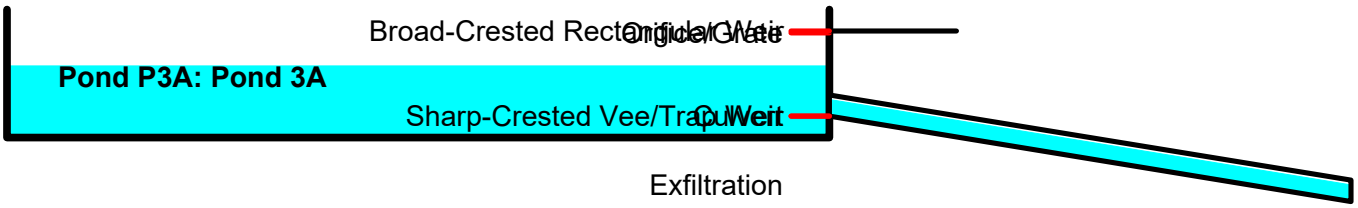
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,192.00	4,165	0	0
1,198.00	13,117	51,846	51,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,193.00'	**12.0" Round Culvert** L= 41.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,193.00' / 1,189.00' S= 0.0976 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,193.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,196.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,192.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,197.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

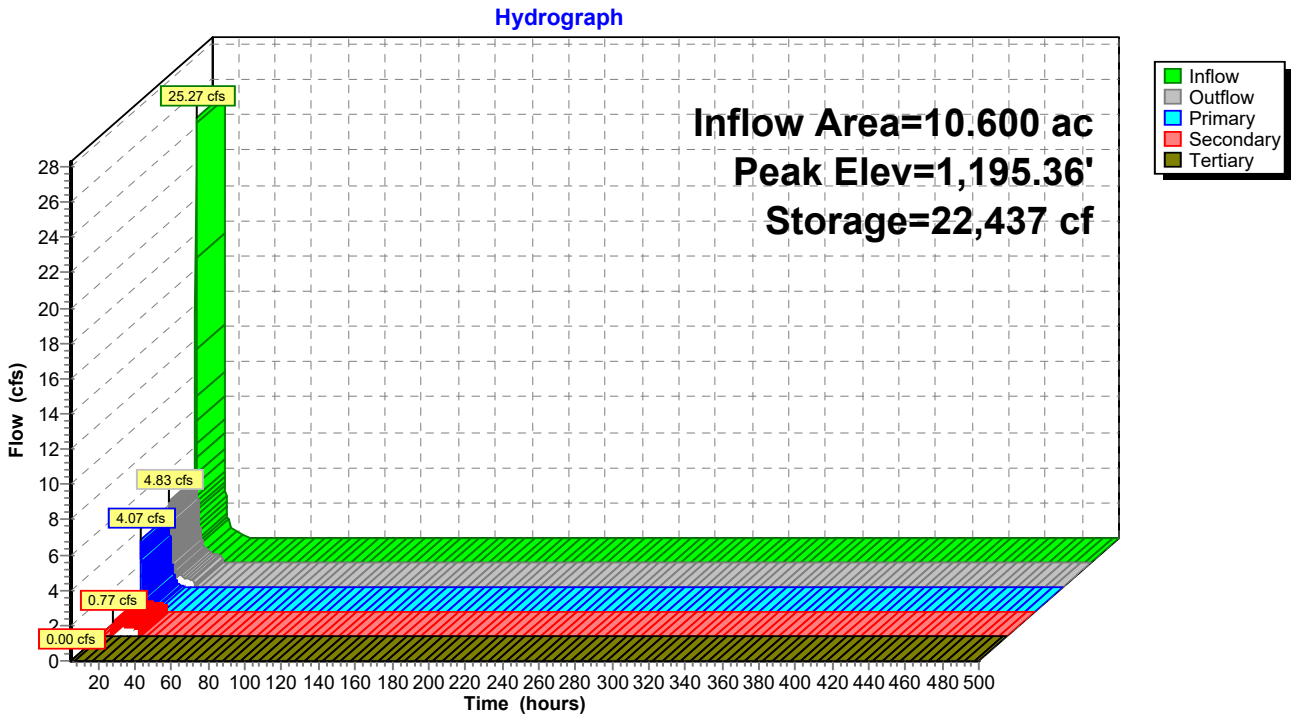
Primary OutFlow Max=4.06 cfs @ 12.52 hrs HW=1,195.36' (Free Discharge)
└**1=Culvert** (Passes 4.06 cfs of 5.16 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 4.06 cfs @ 4.13 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.76 cfs @ 12.52 hrs HW=1,195.36' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.76 cfs)

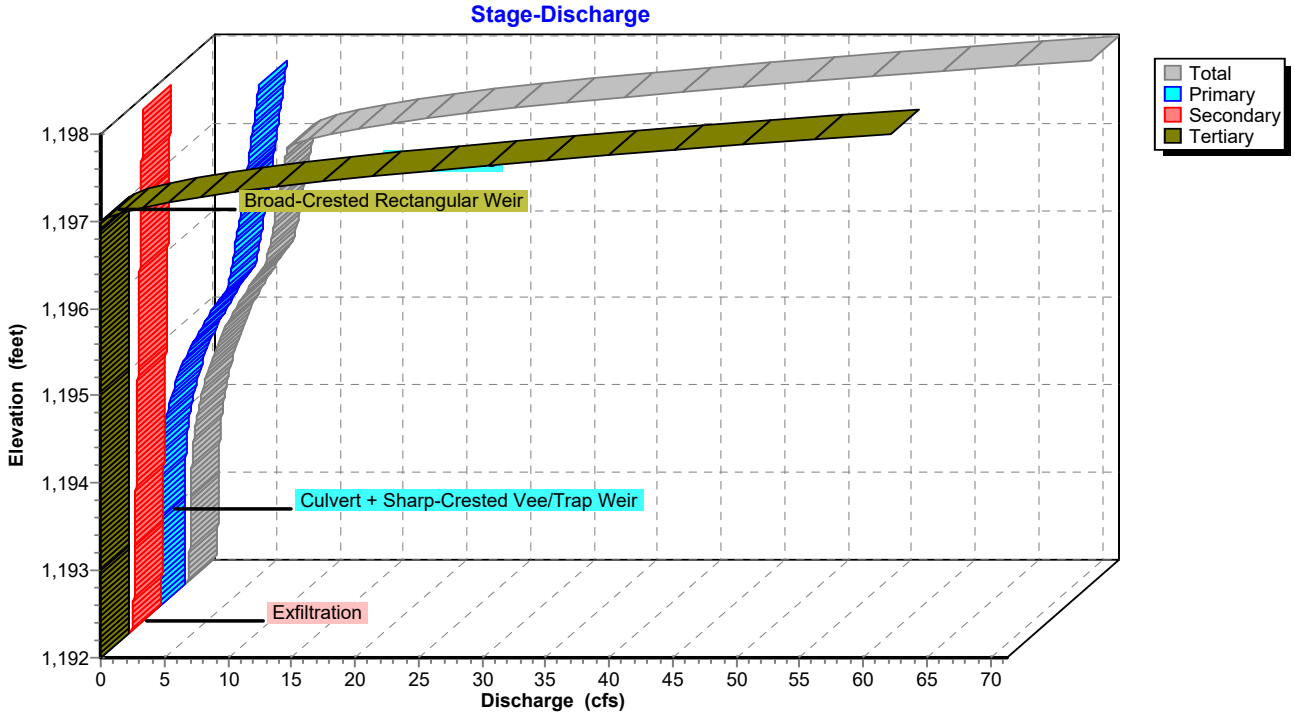
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,192.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



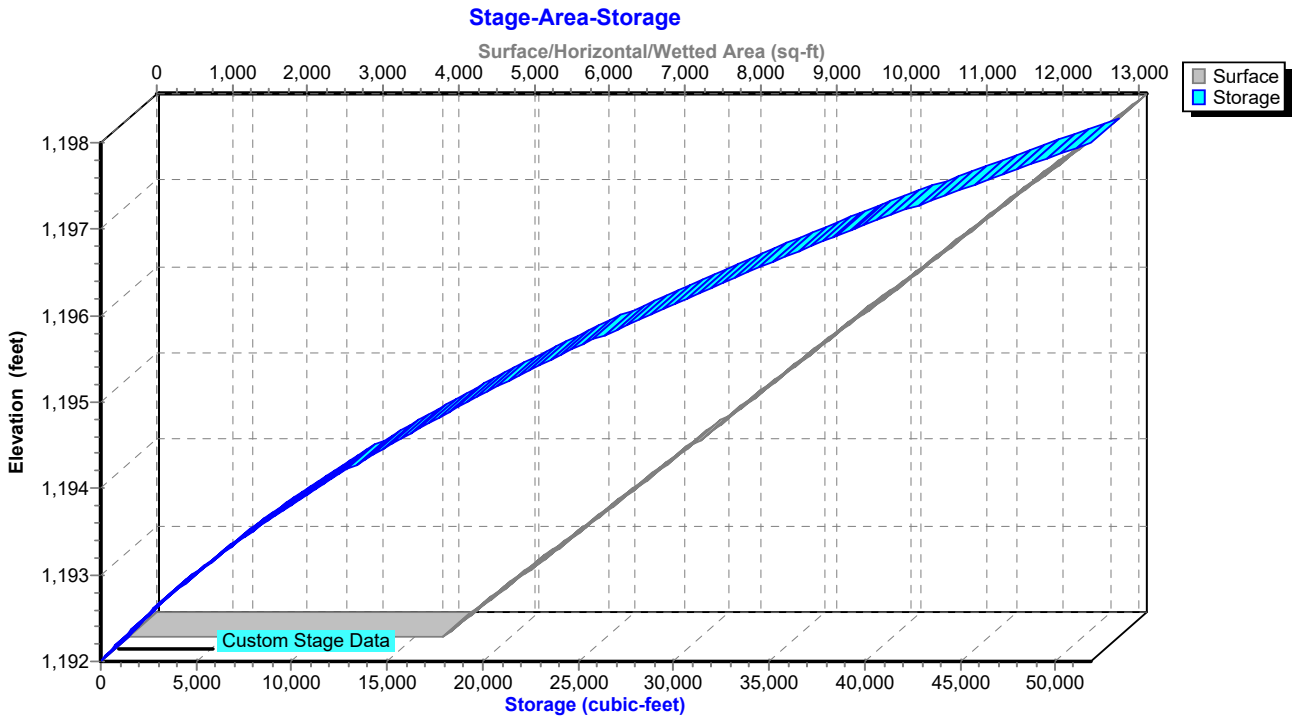
Pond P3A: Pond 3A



Pond P3A: Pond 3A



Pond P3A: Pond 3A



Hydrograph for Pond P3A: Pond 3A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,192.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**1.05**	**13,406**	**1,194.28**	**1.52**	**0.89**	**0.63**	0.00
25.00	0.00	2,541	1,192.55	0.42	0.00	0.42	0.00
35.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3A: Pond 3A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,192.00	0.00	0.00	0.00	0.00
1,192.20	0.37	0.00	0.37	0.00
1,192.40	0.40	0.00	0.40	0.00
1,192.60	0.42	0.00	0.42	0.00
1,192.80	0.45	0.00	0.45	0.00
1,193.00	0.47	0.00	0.47	0.00
1,193.20	0.50	0.01	0.50	0.00
1,193.40	0.57	0.05	0.52	0.00
1,193.60	0.68	0.13	0.55	0.00
1,193.80	0.84	0.27	0.57	0.00
1,194.00	1.07	0.47	0.60	0.00
1,194.20	1.37	0.75	0.62	0.00
1,194.40	1.75	1.10	0.65	0.00
1,194.60	2.21	1.54	0.67	0.00
1,194.80	2.76	2.06	0.70	0.00
1,195.00	3.40	2.68	0.72	0.00
1,195.20	4.15	3.41	0.74	0.00
1,195.40	5.00	4.23	0.77	0.00
1,195.60	5.96	5.17	0.79	0.00
1,195.80	6.55	5.74	0.82	0.00
1,196.00	6.82	5.98	0.84	0.00
1,196.20	7.08	6.21	0.87	0.00
1,196.40	7.33	6.44	0.89	0.00
1,196.60	7.58	6.66	0.92	0.00
1,196.80	7.81	6.87	0.94	0.00
1,197.00	8.04	7.07	0.97	0.00
1,197.20	12.86	7.27	0.99	4.60
1,197.40	22.27	7.47	1.02	13.78
1,197.60	36.21	7.66	1.04	27.51
1,197.80	52.33	7.84	1.07	43.42
1,198.00	**71.29**	**8.02**	**1.09**	**62.18**

Stage-Area-Storage for Pond P3A: Pond 3A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,192.00	4,165	0
1,192.10	4,314	424
1,192.20	4,463	863
1,192.30	4,613	1,317
1,192.40	4,762	1,785
1,192.50	4,911	2,269
1,192.60	5,060	2,768
1,192.70	5,209	3,281
1,192.80	5,359	3,809
1,192.90	5,508	4,353
1,193.00	5,657	4,911
1,193.10	5,806	5,484
1,193.20	5,955	6,072
1,193.30	6,105	6,675
1,193.40	6,254	7,293
1,193.50	6,403	7,926
1,193.60	6,552	8,574
1,193.70	6,701	9,236
1,193.80	6,851	9,914
1,193.90	7,000	10,607
1,194.00	7,149	11,314
1,194.10	7,298	12,036
1,194.20	7,447	12,774
1,194.30	7,597	13,526
1,194.40	7,746	14,293
1,194.50	7,895	15,075
1,194.60	8,044	15,872
1,194.70	8,193	16,684
1,194.80	8,343	17,511
1,194.90	8,492	18,352
1,195.00	8,641	19,209
1,195.10	8,790	20,081
1,195.20	8,939	20,967
1,195.30	9,089	21,868
1,195.40	9,238	22,785
1,195.50	9,387	23,716
1,195.60	9,536	24,662
1,195.70	9,685	25,623
1,195.80	9,835	26,599
1,195.90	9,984	27,590
1,196.00	10,133	28,596
1,196.10	10,282	29,617
1,196.20	10,431	30,652
1,196.30	10,581	31,703
1,196.40	10,730	32,769
1,196.50	10,879	33,849
1,196.60	11,028	34,944
1,196.70	11,177	36,055
1,196.80	11,327	37,180
1,196.90	11,476	38,320
1,197.00	11,625	39,475
1,197.10	11,774	40,645
1,197.20	11,923	41,830
1,197.30	12,073	43,030
1,197.40	12,222	44,244
1,197.50	12,371	45,474
1,197.60	12,520	46,719
1,197.70	12,669	47,978
1,197.80	12,819	49,252
1,197.90	12,968	50,542
1,198.00	**13,117**	**51,846**

Summary for Pond P3B: Pond 3B

Inflow Area = 8.450 ac, 19.88% Impervious, Inflow Depth = 1.60" for 10 YR event
Inflow = 21.12 cfs @ 12.14 hrs, Volume= 1.129 af
Outflow = 4.59 cfs @ 12.47 hrs, Volume= 1.129 af, Atten= 78%, Lag= 20.1 min
Primary = 3.92 cfs @ 12.47 hrs, Volume= 0.579 af
Routed to Link 4L : Post - North
Secondary = 0.68 cfs @ 12.47 hrs, Volume= 0.550 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,198.33' @ 12.47 hrs Surf.Area= 8,114 sf Storage= 18,152 cf

Plug-Flow detention time= 118.9 min calculated for 1.129 af (100% of inflow)
Center-of-Mass det. time= 118.9 min (954.6 - 835.7)

Volume	Invert	Avail.Storage	Storage Description
#1	1,195.00'	33,965 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

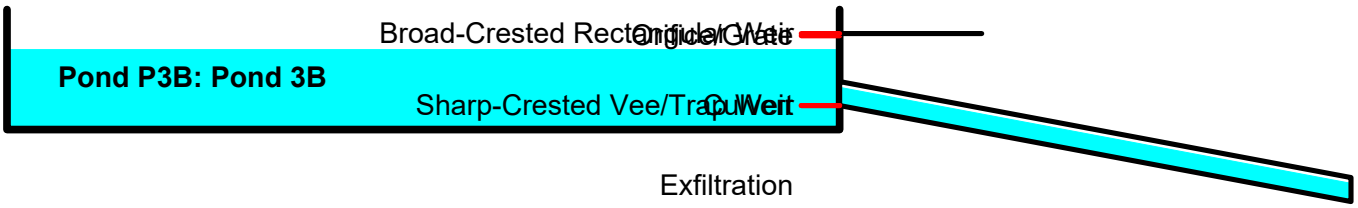
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,195.00	2,799	0	0
1,200.00	10,787	33,965	33,965

Device	Routing	Invert	Outlet Devices
#1	Primary	1,196.00'	**12.0" Round Culvert** L= 36.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,196.00' / 1,192.00' S= 0.1111 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,196.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,198.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,195.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,199.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=3.91 cfs @ 12.47 hrs HW=1,198.32' (Free Discharge)
└**1=Culvert** (Passes 3.91 cfs of 5.11 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 3.91 cfs @ 4.10 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

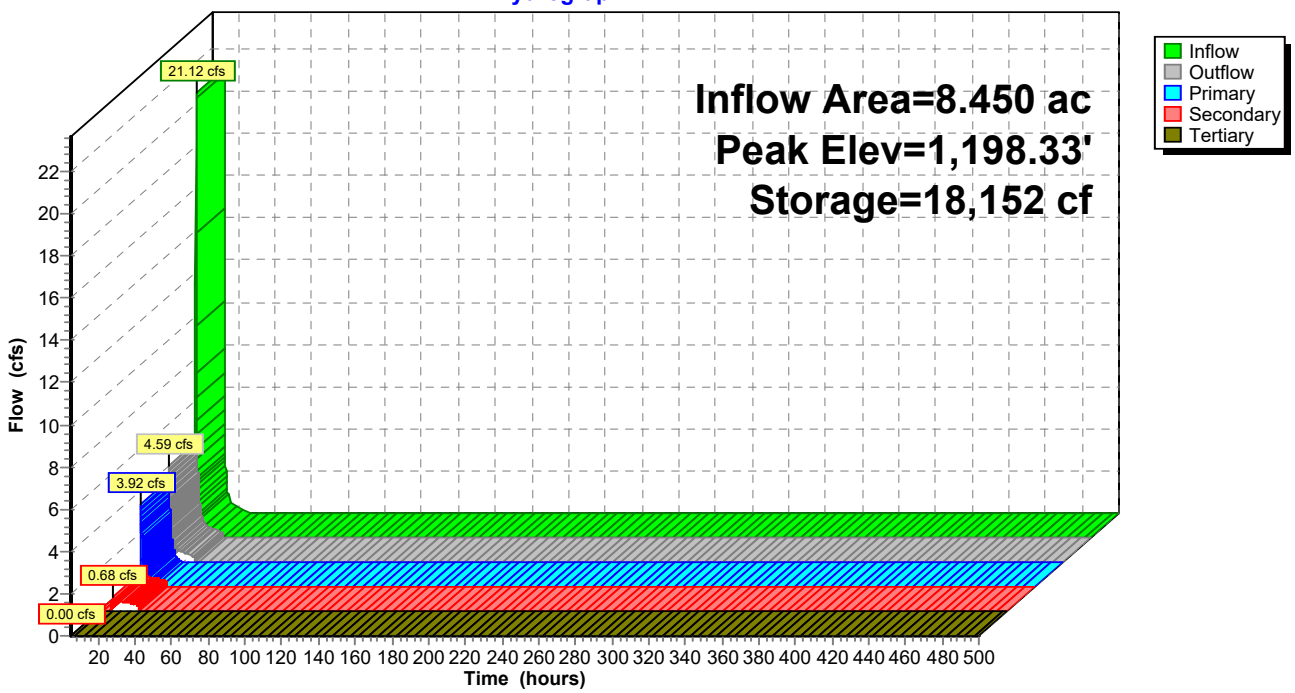
Secondary OutFlow Max=0.68 cfs @ 12.47 hrs HW=1,198.32' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.68 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,195.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

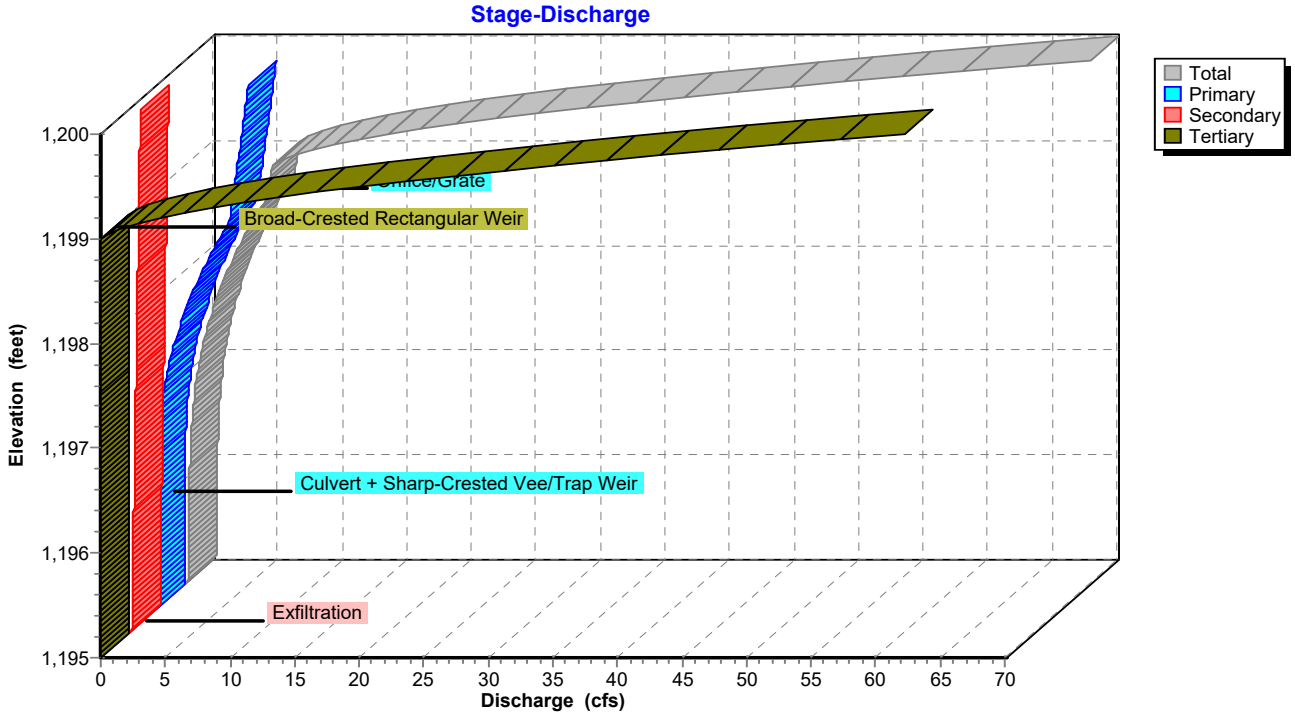


Pond P3B: Pond 3B

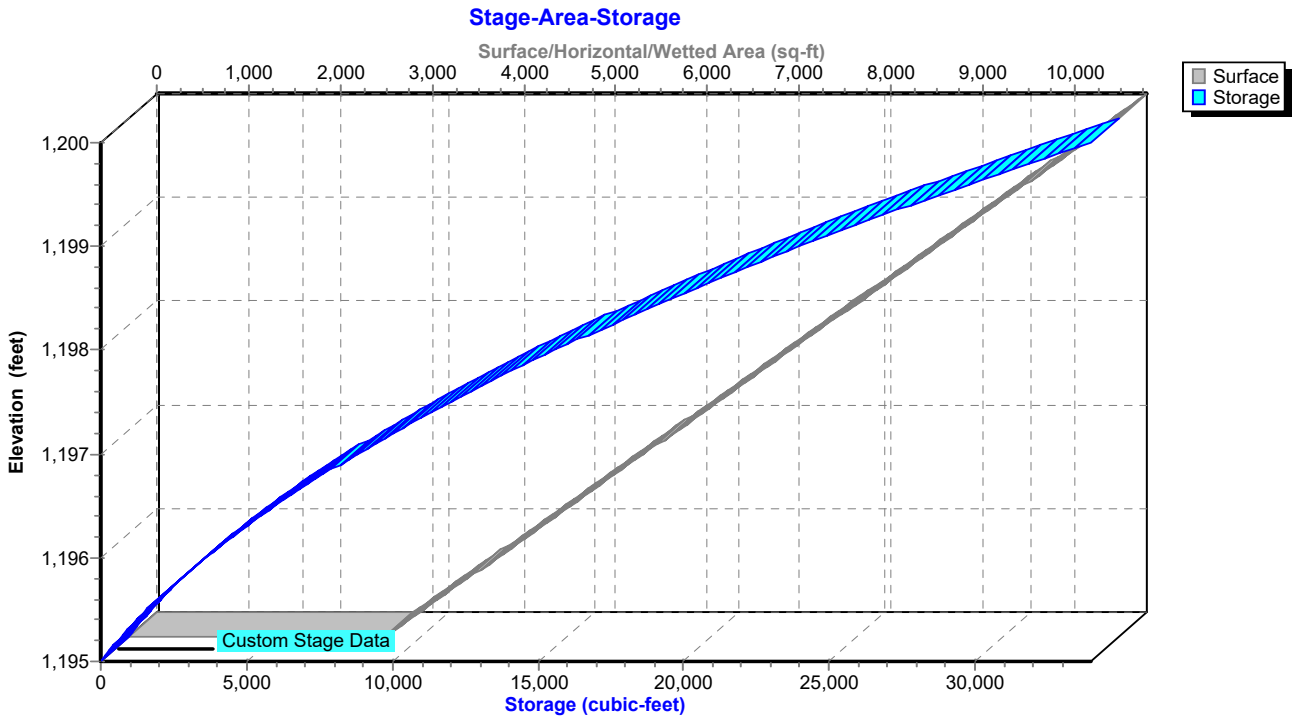
Hydrograph



Pond P3B: Pond 3B



Pond P3B: Pond 3B



Hydrograph for Pond P3B: Pond 3B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,195.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.86**	**9,831**	**1,197.17**	**1.22**	**0.70**	**0.52**	0.00
25.00	0.00	1,719	1,195.53	0.30	0.00	0.30	0.00
35.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3B: Pond 3B

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,195.00	0.00	0.00	0.00	0.00
1,195.10	0.25	0.00	0.25	0.00
1,195.20	0.26	0.00	0.26	0.00
1,195.30	0.27	0.00	0.27	0.00
1,195.40	0.29	0.00	0.29	0.00
1,195.50	0.30	0.00	0.30	0.00
1,195.60	0.31	0.00	0.31	0.00
1,195.70	0.33	0.00	0.33	0.00
1,195.80	0.34	0.00	0.34	0.00
1,195.90	0.35	0.00	0.35	0.00
1,196.00	0.37	0.00	0.37	0.00
1,196.10	0.38	0.00	0.38	0.00
1,196.20	0.40	0.01	0.39	0.00
1,196.30	0.43	0.02	0.41	0.00
1,196.40	0.47	0.05	0.42	0.00
1,196.50	0.52	0.08	0.43	0.00
1,196.60	0.58	0.13	0.45	0.00
1,196.70	0.65	0.19	0.46	0.00
1,196.80	0.74	0.27	0.47	0.00
1,196.90	0.85	0.36	0.49	0.00
1,197.00	0.97	0.47	0.50	0.00
1,197.10	1.11	0.60	0.51	0.00
1,197.20	1.27	0.75	0.53	0.00
1,197.30	1.45	0.91	0.54	0.00
1,197.40	1.65	1.10	0.55	0.00
1,197.50	1.87	1.31	0.57	0.00
1,197.60	2.12	1.54	0.58	0.00
1,197.70	2.38	1.79	0.59	0.00
1,197.80	2.67	2.06	0.61	0.00
1,197.90	2.98	2.36	0.62	0.00
1,198.00	3.32	2.68	0.63	0.00
1,198.10	3.68	3.03	0.65	0.00
1,198.20	4.06	3.41	0.66	0.00
1,198.30	4.48	3.81	0.67	0.00
1,198.40	4.92	4.23	0.69	0.00
1,198.50	5.39	4.69	0.70	0.00
1,198.60	5.88	5.17	0.71	0.00
1,198.70	6.33	5.61	0.73	0.00
1,198.80	6.47	5.74	0.74	0.00
1,198.90	6.61	5.86	0.75	0.00
1,199.00	6.75	5.98	0.77	0.00
1,199.10	8.48	6.10	0.78	1.60
1,199.20	11.60	6.21	0.79	4.60
1,199.30	15.83	6.33	0.81	8.70
1,199.40	21.04	6.44	0.82	13.78
1,199.50	27.47	6.55	0.83	20.08
1,199.60	35.01	6.66	0.85	27.51
1,199.70	42.73	6.76	0.86	35.10
1,199.80	51.17	6.87	0.87	43.42
1,199.90	60.31	6.97	0.89	52.45
1,200.00	**70.15**	**7.07**	**0.90**	**62.18**

Stage-Area-Storage for Pond P3B: Pond 3B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,195.00	2,799	0
1,195.05	2,879	142
1,195.10	2,959	288
1,195.15	3,039	438
1,195.20	3,119	592
1,195.25	3,198	750
1,195.30	3,278	912
1,195.35	3,358	1,078
1,195.40	3,438	1,247
1,195.45	3,518	1,421
1,195.50	3,598	1,599
1,195.55	3,678	1,781
1,195.60	3,758	1,967
1,195.65	3,837	2,157
1,195.70	3,917	2,351
1,195.75	3,997	2,549
1,195.80	4,077	2,750
1,195.85	4,157	2,956
1,195.90	4,237	3,166
1,195.95	4,317	3,380
1,196.00	4,397	3,598
1,196.05	4,476	3,820
1,196.10	4,556	4,045
1,196.15	4,636	4,275
1,196.20	4,716	4,509
1,196.25	4,796	4,747
1,196.30	4,876	4,989
1,196.35	4,956	5,234
1,196.40	5,036	5,484
1,196.45	5,116	5,738
1,196.50	5,195	5,996
1,196.55	5,275	6,258
1,196.60	5,355	6,523
1,196.65	5,435	6,793
1,196.70	5,515	7,067
1,196.75	5,595	7,345
1,196.80	5,675	7,626
1,196.85	5,755	7,912
1,196.90	5,834	8,202
1,196.95	5,914	8,495
1,197.00	5,994	8,793
1,197.05	6,074	9,095
1,197.10	6,154	9,401
1,197.15	6,234	9,710
1,197.20	6,314	10,024
1,197.25	6,394	10,342
1,197.30	6,473	10,663
1,197.35	6,553	10,989
1,197.40	6,633	11,319
1,197.45	6,713	11,652
1,197.50	6,793	11,990
1,197.55	6,873	12,332
1,197.60	6,953	12,677
1,197.65	7,033	13,027
1,197.70	7,113	13,381
1,197.75	7,192	13,738
1,197.80	7,272	14,100
1,197.85	7,352	14,465
1,197.90	7,432	14,835
1,197.95	7,512	15,209
1,198.00	7,592	15,586
1,198.05	7,672	15,968
1,198.10	7,752	16,353
1,198.15	7,831	16,743
1,198.20	7,911	17,137
1,198.25	7,991	17,534
1,198.30	8,071	17,936
1,198.35	8,151	18,341
1,198.40	8,231	18,751
1,198.45	8,311	19,164
1,198.50	8,391	19,582
1,198.55	8,470	20,003
1,198.60	8,550	20,429
1,198.65	8,630	20,858
1,198.70	8,710	21,292
1,198.75	8,790	21,729
1,198.80	8,870	22,171
1,198.85	8,950	22,616
1,198.90	9,030	23,066
1,198.95	9,110	23,519
1,199.00	9,189	23,977
1,199.05	9,269	24,438
1,199.10	9,349	24,904
1,199.15	9,429	25,373
1,199.20	9,509	25,847
1,199.25	9,589	26,324
1,199.30	9,669	26,806
1,199.35	9,749	27,291
1,199.40	9,828	27,780
1,199.45	9,908	28,274
1,199.50	9,988	28,771
1,199.55	10,068	29,273
1,199.60	10,148	29,778
1,199.65	10,228	30,287
1,199.70	10,308	30,801
1,199.75	10,388	31,318
1,199.80	10,467	31,840
1,199.85	10,547	32,365
1,199.90	10,627	32,894
1,199.95	10,707	33,428
1,200.00	**10,787**	**33,965**

Summary for Pond P3C: Pond 3C

Inflow Area = 2.490 ac, 22.89% Impervious, Inflow Depth = 1.89" for 10 YR event
Inflow = 7.40 cfs @ 12.14 hrs, Volume= 0.393 af
Outflow = 1.31 cfs @ 12.53 hrs, Volume= 0.393 af, Atten= 82%, Lag= 23.7 min
Primary = 0.97 cfs @ 12.53 hrs, Volume= 0.132 af
Routed to Link 4L : Post - North
Secondary = 0.33 cfs @ 12.53 hrs, Volume= 0.262 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,180.33' @ 12.53 hrs Surf.Area= 4,013 sf Storage= 6,905 cf

Plug-Flow detention time= 125.7 min calculated for 0.393 af (100% of inflow)
Center-of-Mass det. time= 125.7 min (952.1 - 826.5)

Volume	Invert	Avail.Storage	Storage Description
#1	1,178.00'	14,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

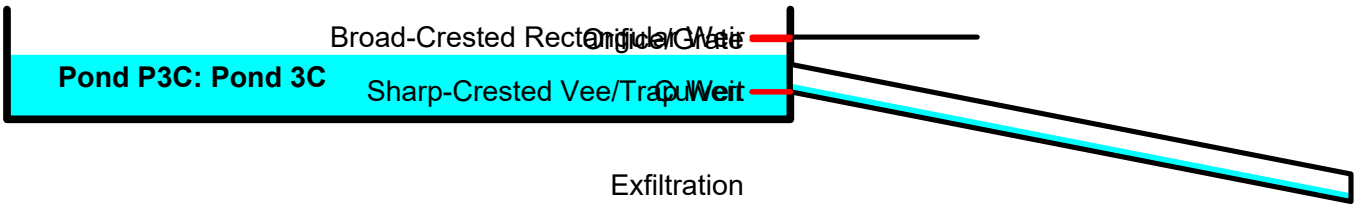
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,178.00	1,905	0	0
1,182.00	5,518	14,846	14,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,179.00'	**12.0" Round Culvert** L= 30.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,179.00' / 1,175.00' S= 0.1333 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,179.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,180.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,178.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,181.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.97 cfs @ 12.53 hrs HW=1,180.33' (Free Discharge)
└**1=Culvert** (Passes 0.97 cfs of 3.45 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.97 cfs @ 3.11 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

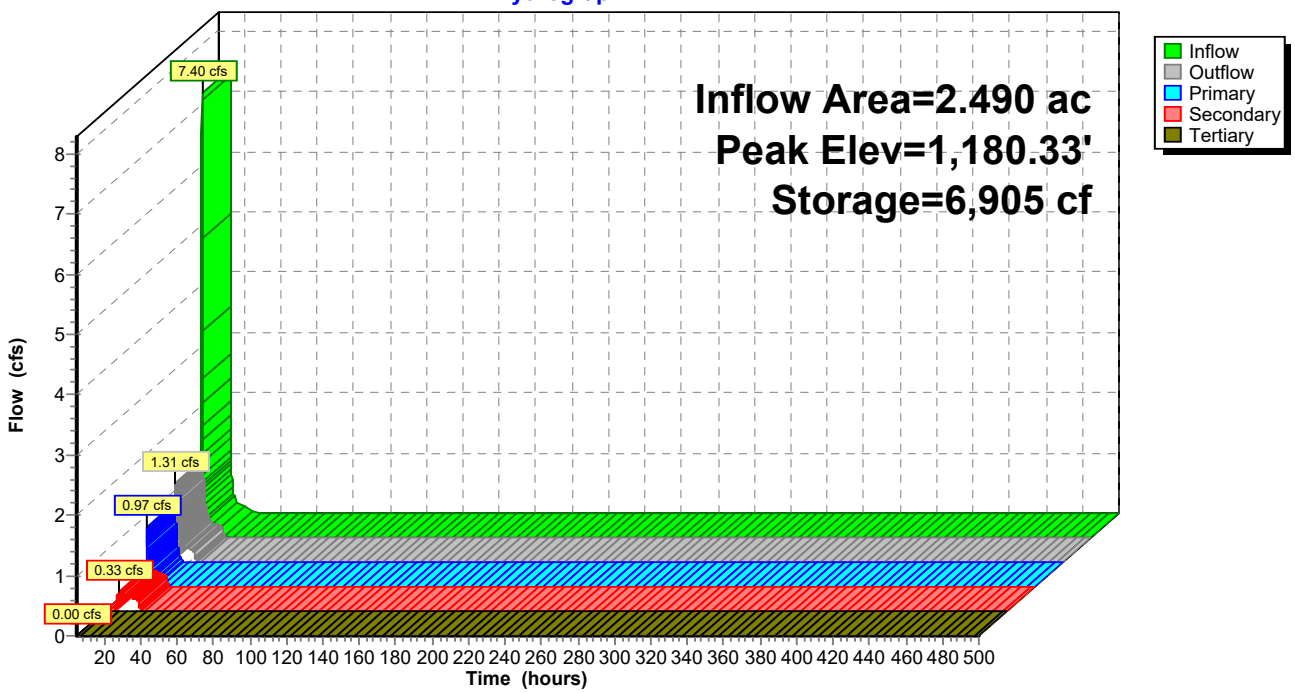
Secondary OutFlow Max=0.33 cfs @ 12.53 hrs HW=1,180.33' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.33 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,178.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

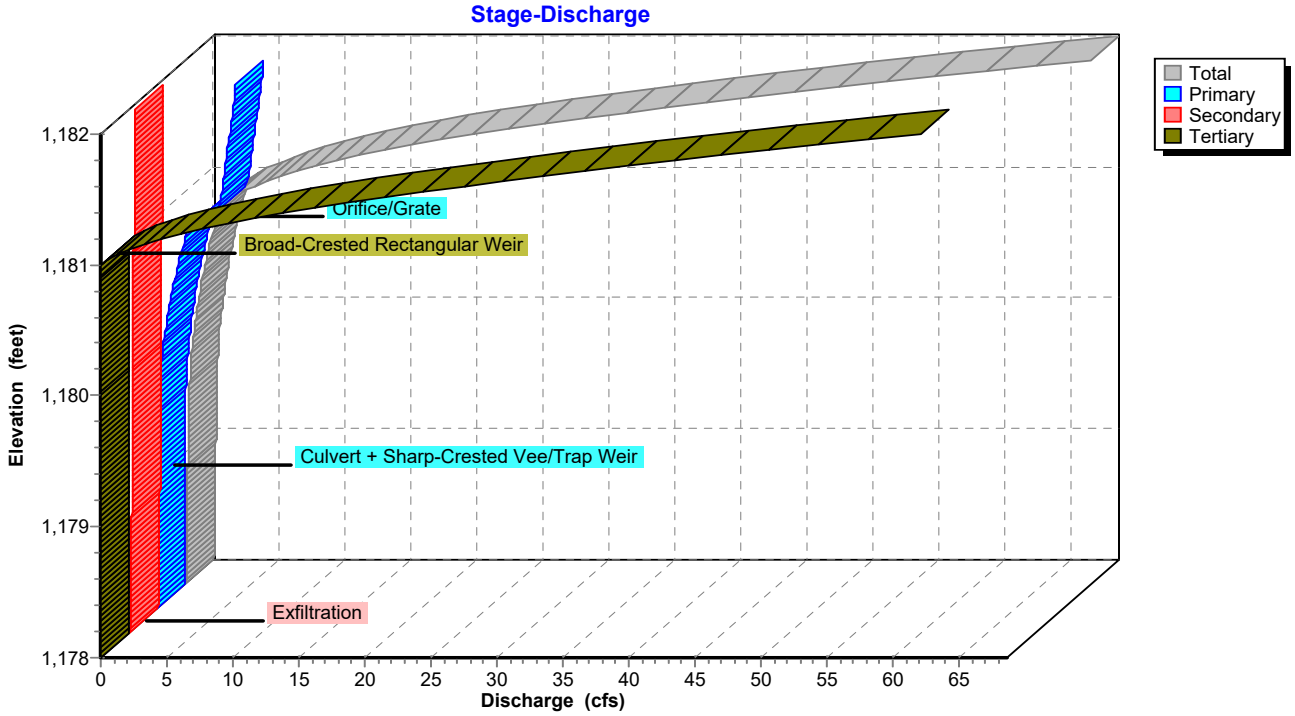


Pond P3C: Pond 3C

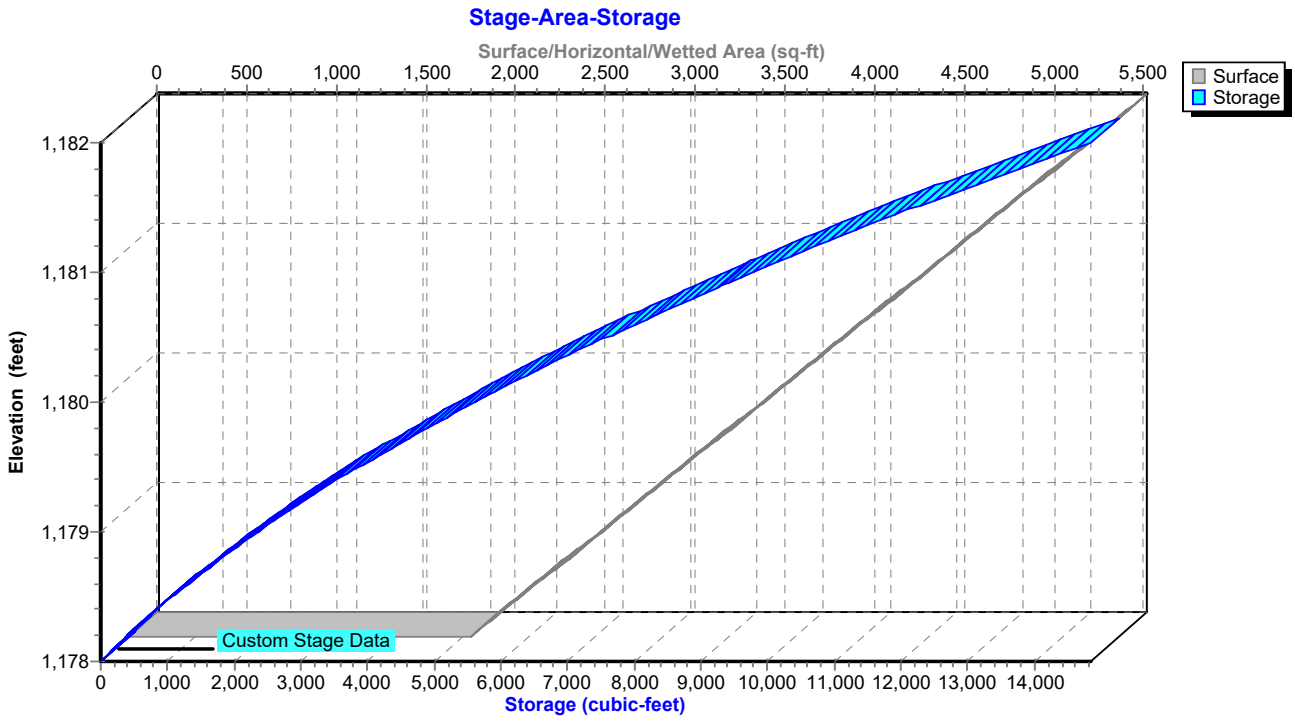
Hydrograph



Pond P3C: Pond 3C



Pond P3C: Pond 3C



Hydrograph for Pond P3C: Pond 3C

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,178.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.28**	**4,320**	**1,179.63**	**0.43**	**0.15**	**0.28**	0.00
25.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3C: Pond 3C

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,178.00	0.00	0.00	0.00	0.00
1,178.10	0.17	0.00	0.17	0.00
1,178.20	0.17	0.00	0.17	0.00
1,178.30	0.18	0.00	0.18	0.00
1,178.40	0.19	0.00	0.19	0.00
1,178.50	0.20	0.00	0.20	0.00
1,178.60	0.20	0.00	0.20	0.00
1,178.70	0.21	0.00	0.21	0.00
1,178.80	0.22	0.00	0.22	0.00
1,178.90	0.23	0.00	0.23	0.00
1,179.00	0.23	0.00	0.23	0.00
1,179.10	0.24	0.00	0.24	0.00
1,179.20	0.26	0.01	0.25	0.00
1,179.30	0.28	0.02	0.26	0.00
1,179.40	0.31	0.05	0.26	0.00
1,179.50	0.36	0.08	0.27	0.00
1,179.60	0.41	0.13	0.28	0.00
1,179.70	0.48	0.19	0.29	0.00
1,179.80	0.57	0.27	0.29	0.00
1,179.90	0.67	0.36	0.30	0.00
1,180.00	0.78	0.47	0.31	0.00
1,180.10	0.92	0.60	0.32	0.00
1,180.20	1.07	0.75	0.32	0.00
1,180.30	1.25	0.91	0.33	0.00
1,180.40	1.44	1.10	0.34	0.00
1,180.50	1.65	1.31	0.35	0.00
1,180.60	1.89	1.54	0.35	0.00
1,180.70	2.15	1.79	0.36	0.00
1,180.80	2.43	2.06	0.37	0.00
1,180.90	2.74	2.36	0.38	0.00
1,181.00	4.10	3.72	0.38	0.00
1,181.10	6.78	4.78	0.39	1.60
1,181.20	9.93	4.93	0.40	4.60
1,181.30	14.18	5.07	0.41	8.70
1,181.40	19.41	5.21	0.41	13.78
1,181.50	25.85	5.35	0.42	20.08
1,181.60	33.42	5.48	0.43	27.51
1,181.70	41.15	5.61	0.44	35.10
1,181.80	49.60	5.74	0.44	43.42
1,181.90	58.76	5.86	0.45	52.45
1,182.00	**68.62**	**5.98**	**0.46**	**62.18**

Stage-Area-Storage for Pond P3C: Pond 3C

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,178.00	1,905	0
1,178.05	1,950	96
1,178.10	1,995	195
1,178.15	2,040	296
1,178.20	2,086	399
1,178.25	2,131	504
1,178.30	2,176	612
1,178.35	2,221	722
1,178.40	2,266	834
1,178.45	2,311	949
1,178.50	2,357	1,065
1,178.55	2,402	1,184
1,178.60	2,447	1,306
1,178.65	2,492	1,429
1,178.70	2,537	1,555
1,178.75	2,582	1,683
1,178.80	2,628	1,813
1,178.85	2,673	1,946
1,178.90	2,718	2,080
1,178.95	2,763	2,217
1,179.00	2,808	2,357
1,179.05	2,853	2,498
1,179.10	2,899	2,642
1,179.15	2,944	2,788
1,179.20	2,989	2,936
1,179.25	3,034	3,087
1,179.30	3,079	3,240
1,179.35	3,124	3,395
1,179.40	3,170	3,552
1,179.45	3,215	3,712
1,179.50	3,260	3,874
1,179.55	3,305	4,038
1,179.60	3,350	4,204
1,179.65	3,395	4,373
1,179.70	3,441	4,544
1,179.75	3,486	4,717
1,179.80	3,531	4,892
1,179.85	3,576	5,070
1,179.90	3,621	5,250
1,179.95	3,666	5,432
1,180.00	3,712	5,617
1,180.05	3,757	5,803
1,180.10	3,802	5,992
1,180.15	3,847	6,183
1,180.20	3,892	6,377
1,180.25	3,937	6,573
1,180.30	3,982	6,771
1,180.35	4,028	6,971
1,180.40	4,073	7,173
1,180.45	4,118	7,378
1,180.50	4,163	7,585
1,180.55	4,208	7,794
1,180.60	4,253	8,006
1,180.65	4,299	8,220
1,180.70	4,344	8,436
1,180.75	4,389	8,654
1,180.80	4,434	8,875
1,180.85	4,479	9,098
1,180.90	4,524	9,323
1,180.95	4,570	9,550
1,181.00	4,615	9,780
1,181.05	4,660	10,011
1,181.10	4,705	10,246
1,181.15	4,750	10,482
1,181.20	4,795	10,721
1,181.25	4,841	10,962
1,181.30	4,886	11,205
1,181.35	4,931	11,450
1,181.40	4,976	11,698
1,181.45	5,021	11,948
1,181.50	5,066	12,200
1,181.55	5,112	12,454
1,181.60	5,157	12,711
1,181.65	5,202	12,970
1,181.70	5,247	13,231
1,181.75	5,292	13,495
1,181.80	5,337	13,760
1,181.85	5,383	14,028
1,181.90	5,428	14,299
1,181.95	5,473	14,571
1,182.00	**5,518**	**14,846**

Summary for Pond P3D: Pond 3D

Inflow Area = 2.380 ac, 23.95% Impervious, Inflow Depth = 1.97" for 10 YR event
Inflow = 7.36 cfs @ 12.13 hrs, Volume= 0.391 af
Outflow = 3.16 cfs @ 12.27 hrs, Volume= 0.391 af, Atten= 57%, Lag= 8.1 min
Primary = 2.94 cfs @ 12.27 hrs, Volume= 0.230 af
Routed to Link 4L : Post - North
Secondary = 0.22 cfs @ 12.27 hrs, Volume= 0.161 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,190.07' @ 12.27 hrs Surf.Area= 2,687 sf Storage= 5,269 cf

Plug-Flow detention time= 80.4 min calculated for 0.391 af (100% of inflow)
Center-of-Mass det. time= 80.4 min (904.6 - 824.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1,187.00'	11,620 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

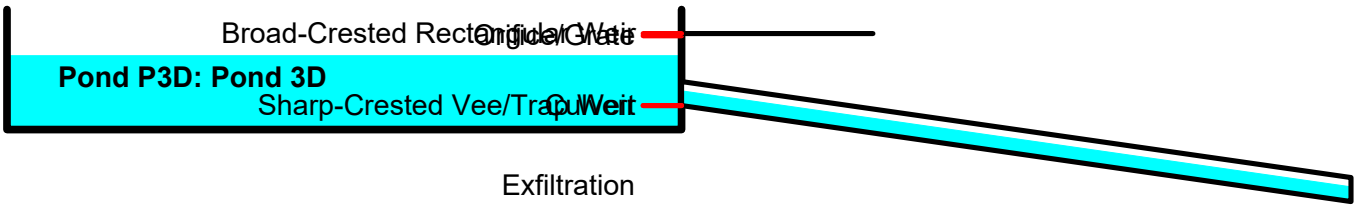
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,187.00	741	0	0
1,192.00	3,907	11,620	11,620

Device	Routing	Invert	Outlet Devices
#1	Primary	1,188.00'	**12.0" Round Culvert** L= 35.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,188.00' / 1,184.00' S= 0.1143 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,188.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,190.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,187.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,191.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=2.90 cfs @ 12.27 hrs HW=1,190.06' (Free Discharge)
└**1=Culvert** (Passes 2.90 cfs of 4.73 cfs potential flow)
  ├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 2.90 cfs @ 3.86 fps)
  └**3=Orifice/Grate** (Controls 0.00 cfs)

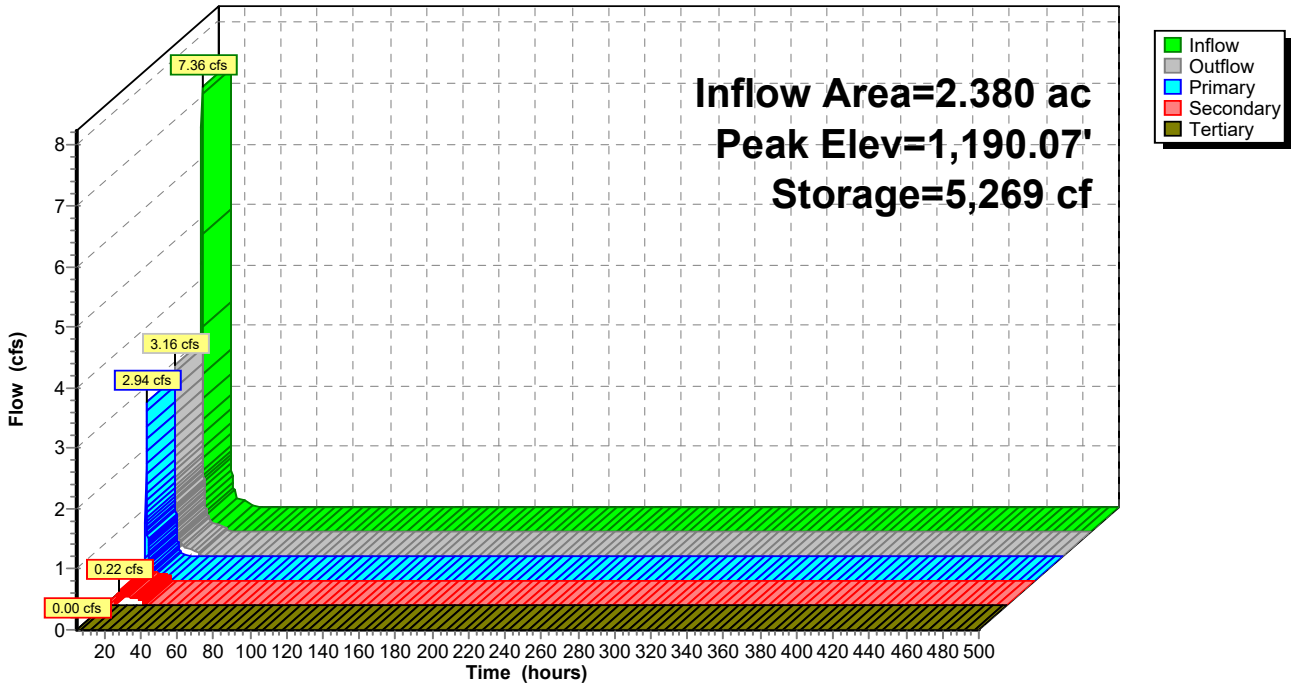
Secondary OutFlow Max=0.22 cfs @ 12.27 hrs HW=1,190.06' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.22 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,187.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

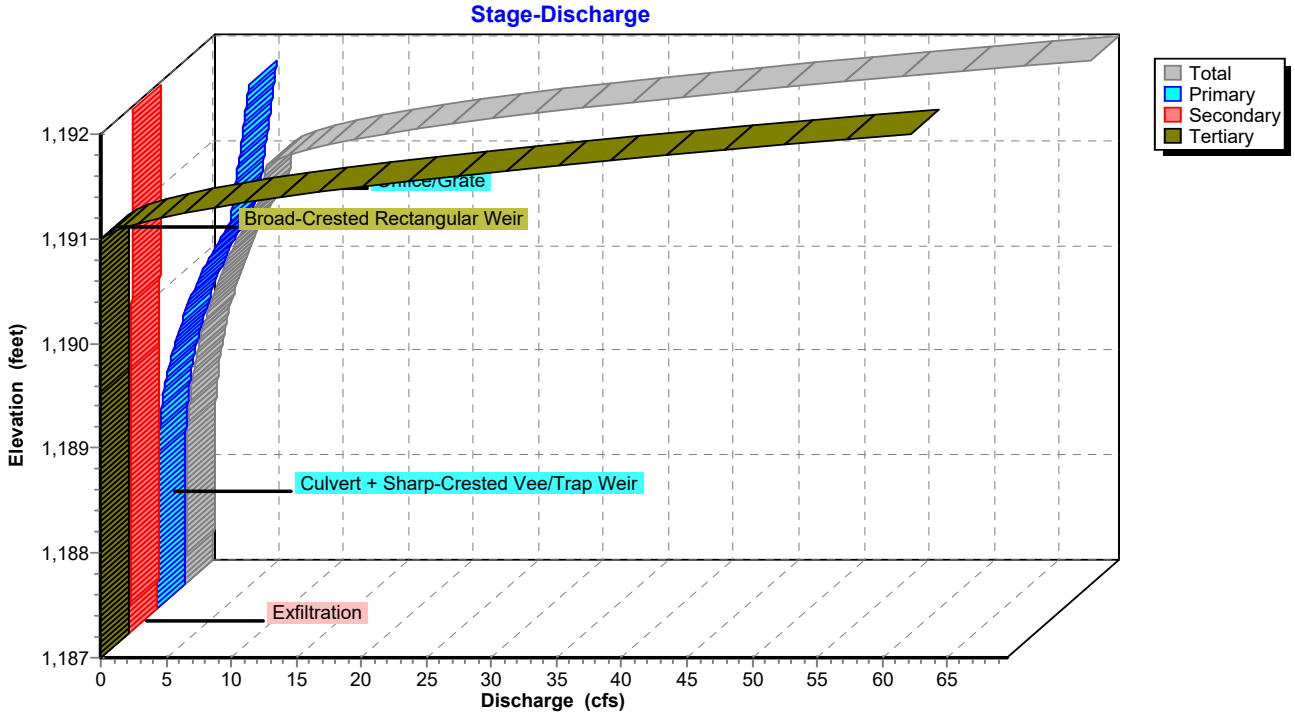


Pond P3D: Pond 3D

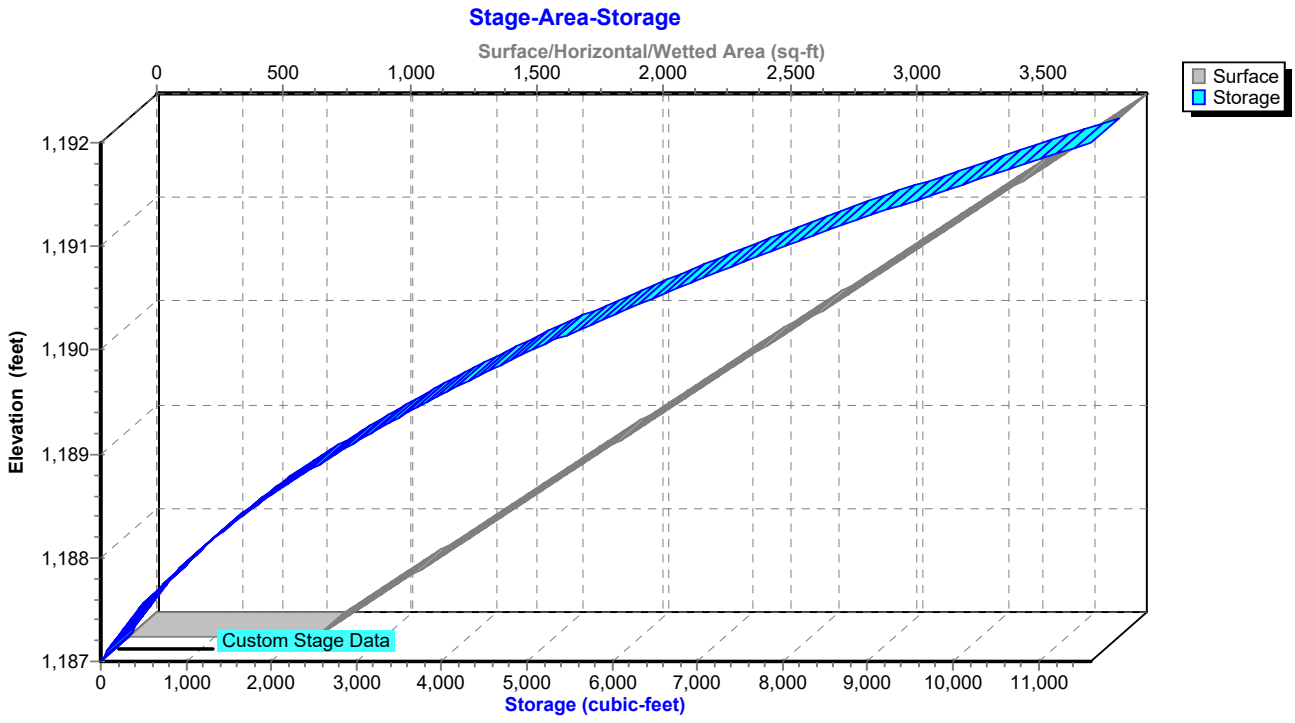
Hydrograph



Pond P3D: Pond 3D



Pond P3D: Pond 3D



Hydrograph for Pond P3D: Pond 3D

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,187.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.27**	**2,118**	**1,188.67**	**0.32**	**0.17**	**0.15**	0.00
25.00	0.00	336	1,187.39	0.08	0.00	0.08	0.00
35.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3D: Pond 3D

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,187.00	0.00	0.00	0.00	0.00
1,187.10	0.07	0.00	0.07	0.00
1,187.20	0.07	0.00	0.07	0.00
1,187.30	0.08	0.00	0.08	0.00
1,187.40	0.08	0.00	0.08	0.00
1,187.50	0.09	0.00	0.09	0.00
1,187.60	0.09	0.00	0.09	0.00
1,187.70	0.10	0.00	0.10	0.00
1,187.80	0.10	0.00	0.10	0.00
1,187.90	0.11	0.00	0.11	0.00
1,188.00	0.11	0.00	0.11	0.00
1,188.10	0.12	0.00	0.12	0.00
1,188.20	0.13	0.01	0.13	0.00
1,188.30	0.15	0.02	0.13	0.00
1,188.40	0.18	0.05	0.14	0.00
1,188.50	0.22	0.08	0.14	0.00
1,188.60	0.28	0.13	0.15	0.00
1,188.70	0.35	0.19	0.15	0.00
1,188.80	0.43	0.27	0.16	0.00
1,188.90	0.53	0.36	0.16	0.00
1,189.00	0.64	0.47	0.17	0.00
1,189.10	0.77	0.60	0.17	0.00
1,189.20	0.93	0.75	0.18	0.00
1,189.30	1.10	0.91	0.18	0.00
1,189.40	1.29	1.10	0.19	0.00
1,189.50	1.50	1.31	0.19	0.00
1,189.60	1.73	1.54	0.20	0.00
1,189.70	1.99	1.79	0.20	0.00
1,189.80	2.27	2.06	0.21	0.00
1,189.90	2.58	2.36	0.21	0.00
1,190.00	2.90	2.68	0.22	0.00
1,190.10	3.26	3.03	0.23	0.00
1,190.20	3.64	3.41	0.23	0.00
1,190.30	4.04	3.81	0.24	0.00
1,190.40	4.47	4.23	0.24	0.00
1,190.50	4.93	4.69	0.25	0.00
1,190.60	5.42	5.17	0.25	0.00
1,190.70	5.87	5.61	0.26	0.00
1,190.80	6.00	5.74	0.26	0.00
1,190.90	6.13	5.86	0.27	0.00
1,191.00	6.25	5.98	0.27	0.00
1,191.10	7.98	6.10	0.28	1.60
1,191.20	11.09	6.21	0.28	4.60
1,191.30	15.31	6.33	0.29	8.70
1,191.40	20.52	6.44	0.29	13.78
1,191.50	26.93	6.55	0.30	20.08
1,191.60	34.47	6.66	0.30	27.51
1,191.70	42.18	6.76	0.31	35.10
1,191.80	50.61	6.87	0.32	43.42
1,191.90	59.75	6.97	0.32	52.45
1,192.00	**69.58**	**7.07**	**0.33**	**62.18**

Stage-Area-Storage for Pond P3D: Pond 3D

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,187.00	741	0
1,187.05	773	38
1,187.10	804	77
1,187.15	836	118
1,187.20	868	161
1,187.25	899	205
1,187.30	931	251
1,187.35	963	298
1,187.40	994	347
1,187.45	1,026	398
1,187.50	1,058	450
1,187.55	1,089	503
1,187.60	1,121	559
1,187.65	1,153	615
1,187.70	1,184	674
1,187.75	1,216	734
1,187.80	1,248	795
1,187.85	1,279	859
1,187.90	1,311	923
1,187.95	1,343	990
1,188.00	1,374	1,058
1,188.05	1,406	1,127
1,188.10	1,438	1,198
1,188.15	1,469	1,271
1,188.20	1,501	1,345
1,188.25	1,533	1,421
1,188.30	1,564	1,498
1,188.35	1,596	1,577
1,188.40	1,627	1,658
1,188.45	1,659	1,740
1,188.50	1,691	1,824
1,188.55	1,722	1,909
1,188.60	1,754	1,996
1,188.65	1,786	2,085
1,188.70	1,817	2,175
1,188.75	1,849	2,266
1,188.80	1,881	2,360
1,188.85	1,912	2,454
1,188.90	1,944	2,551
1,188.95	1,976	2,649
1,189.00	2,007	2,748
1,189.05	2,039	2,850
1,189.10	2,071	2,952
1,189.15	2,102	3,057
1,189.20	2,134	3,163
1,189.25	2,166	3,270
1,189.30	2,197	3,379
1,189.35	2,229	3,490
1,189.40	2,261	3,602
1,189.45	2,292	3,716
1,189.50	2,324	3,831
1,189.55	2,356	3,948
1,189.60	2,387	4,067
1,189.65	2,419	4,187
1,189.70	2,451	4,309
1,189.75	2,482	4,432
1,189.80	2,514	4,557
1,189.85	2,546	4,683
1,189.90	2,577	4,812
1,189.95	2,609	4,941
1,190.00	2,641	5,072
1,190.05	2,672	5,205
1,190.10	2,704	5,340
1,190.15	2,736	5,476
1,190.20	2,767	5,613
1,190.25	2,799	5,752
1,190.30	2,831	5,893
1,190.35	2,862	6,035
1,190.40	2,894	6,179
1,190.45	2,926	6,325
1,190.50	2,957	6,472
1,190.55	2,989	6,621
1,190.60	3,021	6,771
1,190.65	3,052	6,923
1,190.70	3,084	7,076
1,190.75	3,116	7,231
1,190.80	3,147	7,388
1,190.85	3,179	7,546
1,190.90	3,210	7,705
1,190.95	3,242	7,867
1,191.00	3,274	8,030
1,191.05	3,305	8,194
1,191.10	3,337	8,360
1,191.15	3,369	8,528
1,191.20	3,400	8,697
1,191.25	3,432	8,868
1,191.30	3,464	9,040
1,191.35	3,495	9,214
1,191.40	3,527	9,390
1,191.45	3,559	9,567
1,191.50	3,590	9,746
1,191.55	3,622	9,926
1,191.60	3,654	10,108
1,191.65	3,685	10,291
1,191.70	3,717	10,476
1,191.75	3,749	10,663
1,191.80	3,780	10,851
1,191.85	3,812	11,041
1,191.90	3,844	11,232
1,191.95	3,875	11,425
1,192.00	**3,907**	**11,620**

Summary for Pond P3E: Pond 3E

Inflow Area = 2.780 ac, 19.06% Impervious, Inflow Depth = 1.82" for 10 YR event
Inflow = 7.93 cfs @ 12.14 hrs, Volume= 0.422 af
Outflow = 1.23 cfs @ 12.58 hrs, Volume= 0.422 af, Atten= 84%, Lag= 26.6 min
Primary = 0.89 cfs @ 12.58 hrs, Volume= 0.130 af
Routed to Link 4L : Post - North
Secondary = 0.34 cfs @ 12.58 hrs, Volume= 0.291 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,218.29' @ 12.58 hrs Surf.Area= 4,091 sf Storage= 7,552 cf

Plug-Flow detention time= 137.2 min calculated for 0.422 af (100% of inflow)
Center-of-Mass det. time= 137.2 min (966.0 - 828.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1,216.00'	15,578 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

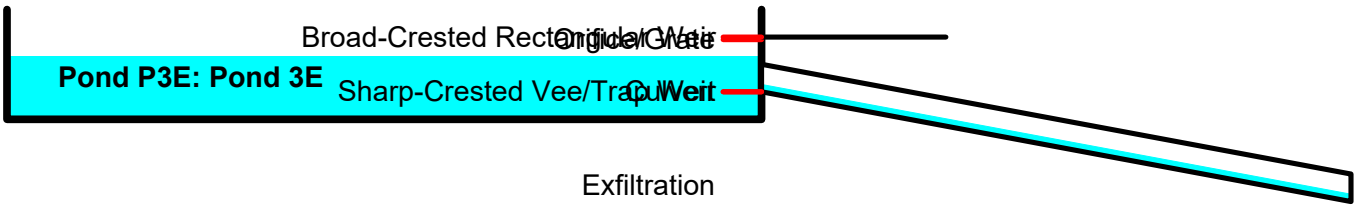
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,216.00	2,517	0	0
1,220.00	5,272	15,578	15,578

Device	Routing	Invert	Outlet Devices
#1	Primary	1,217.00'	**12.0" Round Culvert** L= 32.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,217.00' / 1,213.00' S= 0.1250 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,217.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,218.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,216.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,219.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

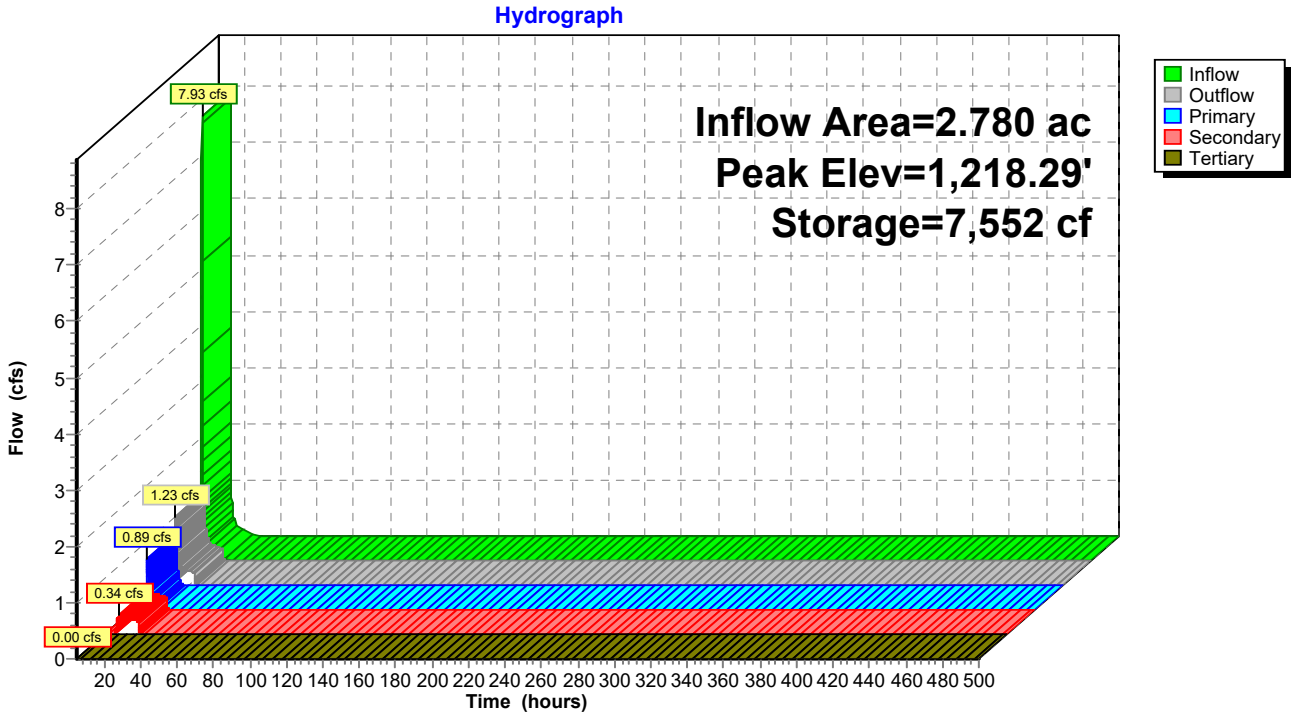
Primary OutFlow Max=0.89 cfs @ 12.58 hrs HW=1,218.28' (Free Discharge)
└**1=Culvert** (Passes 0.89 cfs of 3.35 cfs potential flow)
└**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 0.89 cfs @ 3.05 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.34 cfs @ 12.58 hrs HW=1,218.28' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.34 cfs)

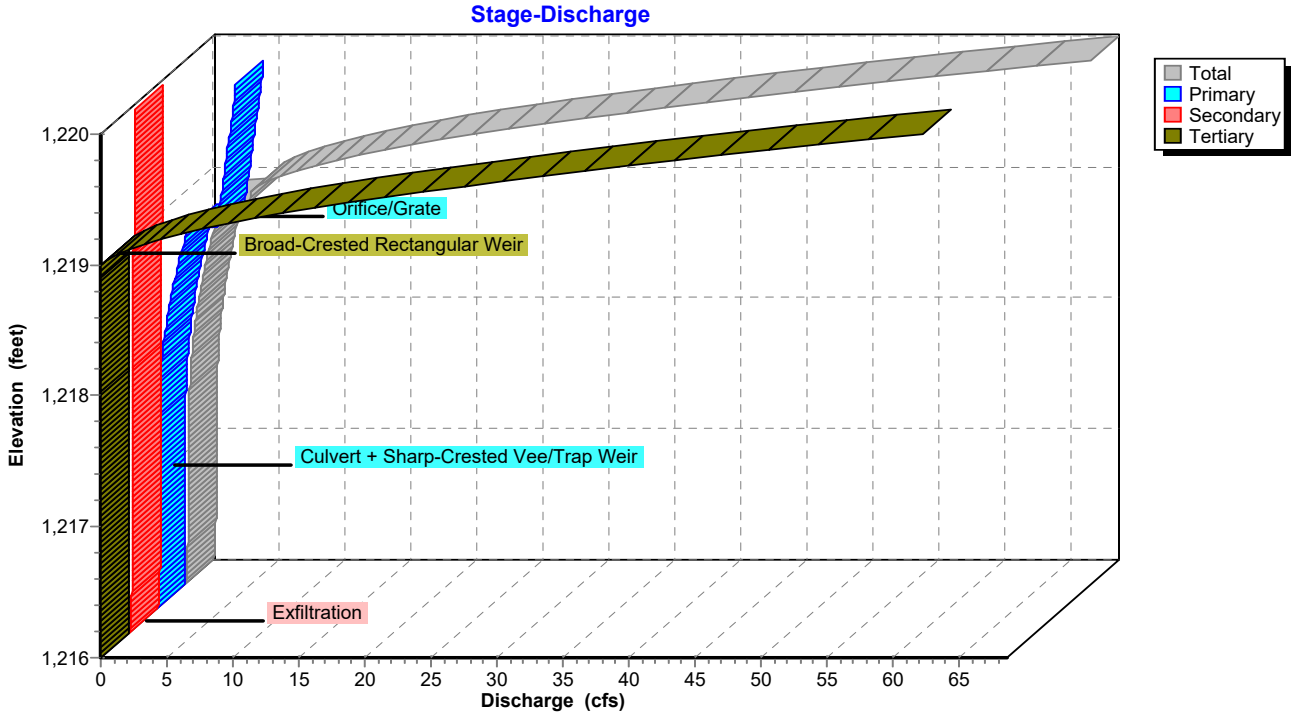
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,216.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



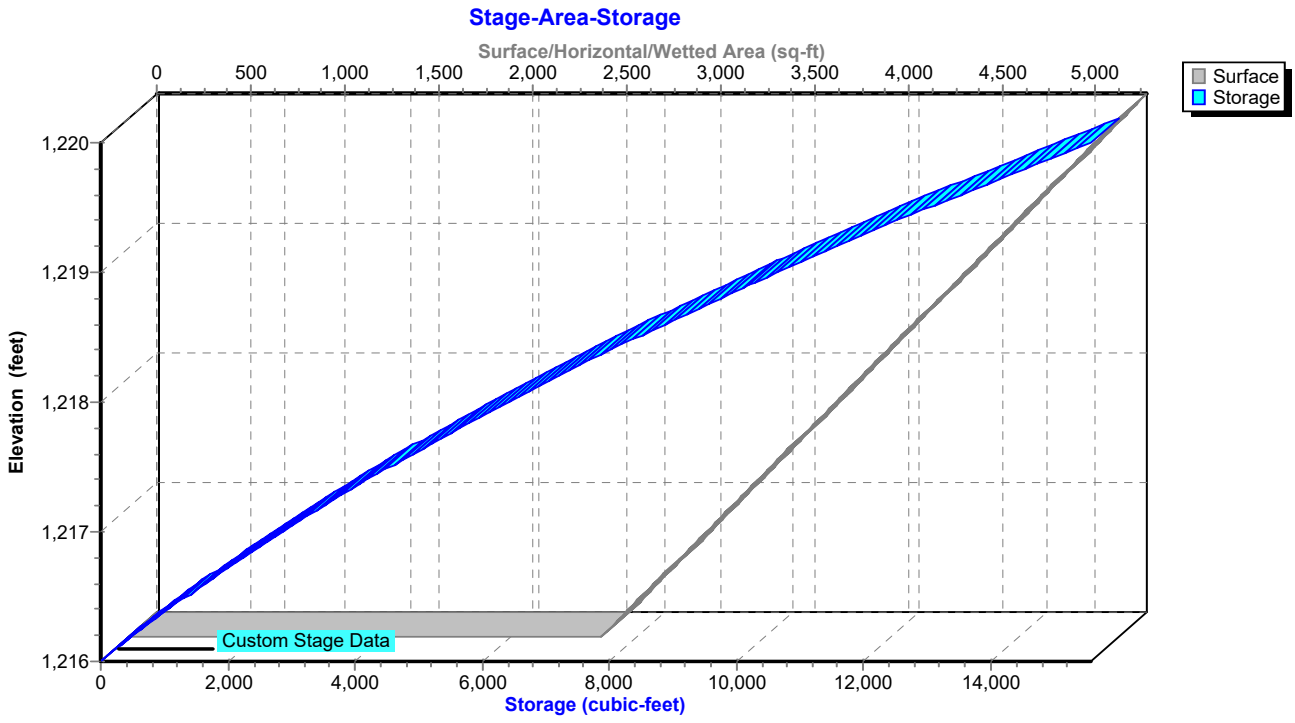
Pond P3E: Pond 3E



Pond P3E: Pond 3E



Pond P3E: Pond 3E



Hydrograph for Pond P3E: Pond 3E

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,216.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.30**	**5,124**	**1,217.66**	**0.47**	**0.17**	**0.30**	0.00
25.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
35.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3E: Pond 3E

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,216.00	0.00	0.00	0.00	0.00
1,216.10	0.22	0.00	0.22	0.00
1,216.20	0.22	0.00	0.22	0.00
1,216.30	0.23	0.00	0.23	0.00
1,216.40	0.23	0.00	0.23	0.00
1,216.50	0.24	0.00	0.24	0.00
1,216.60	0.24	0.00	0.24	0.00
1,216.70	0.25	0.00	0.25	0.00
1,216.80	0.26	0.00	0.26	0.00
1,216.90	0.26	0.00	0.26	0.00
1,217.00	0.27	0.00	0.27	0.00
1,217.10	0.27	0.00	0.27	0.00
1,217.20	0.29	0.01	0.28	0.00
1,217.30	0.31	0.02	0.28	0.00
1,217.40	0.34	0.05	0.29	0.00
1,217.50	0.38	0.08	0.30	0.00
1,217.60	0.43	0.13	0.30	0.00
1,217.70	0.50	0.19	0.31	0.00
1,217.80	0.58	0.27	0.31	0.00
1,217.90	0.68	0.36	0.32	0.00
1,218.00	0.80	0.47	0.32	0.00
1,218.10	0.93	0.60	0.33	0.00
1,218.20	1.08	0.75	0.34	0.00
1,218.30	1.26	0.91	0.34	0.00
1,218.40	1.45	1.10	0.35	0.00
1,218.50	1.66	1.31	0.35	0.00
1,218.60	1.89	1.54	0.36	0.00
1,218.70	2.15	1.79	0.36	0.00
1,218.80	2.43	2.06	0.37	0.00
1,218.90	2.74	2.36	0.38	0.00
1,219.00	5.01	4.63	0.38	0.00
1,219.10	6.77	4.78	0.39	1.60
1,219.20	9.92	4.93	0.39	4.60
1,219.30	14.17	5.07	0.40	8.70
1,219.40	19.40	5.21	0.40	13.78
1,219.50	25.84	5.35	0.41	20.08
1,219.60	33.40	5.48	0.42	27.51
1,219.70	41.13	5.61	0.42	35.10
1,219.80	49.59	5.74	0.43	43.42
1,219.90	58.74	5.86	0.43	52.45
1,220.00	**68.59**	**5.98**	**0.44**	**62.18**

Stage-Area-Storage for Pond P3E: Pond 3E

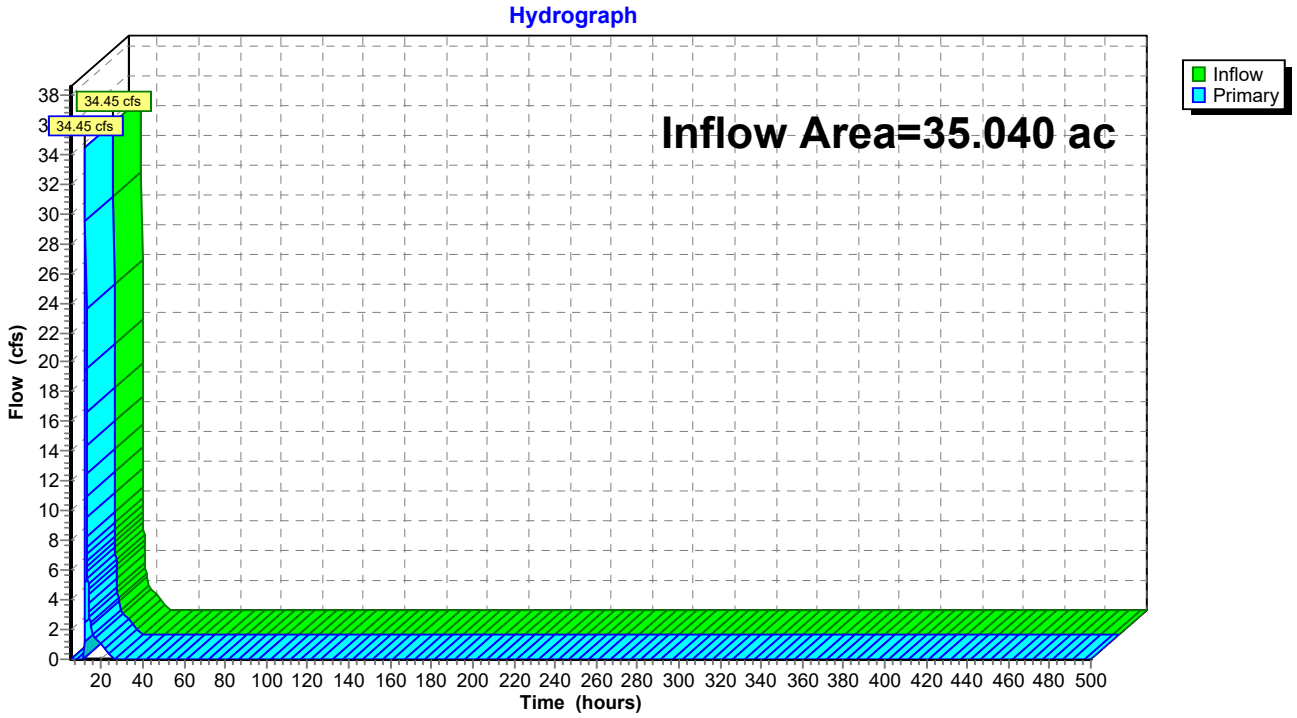
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,216.00	2,517	0
1,216.05	2,551	127
1,216.10	2,586	255
1,216.15	2,620	385
1,216.20	2,655	517
1,216.25	2,689	651
1,216.30	2,724	786
1,216.35	2,758	923
1,216.40	2,793	1,062
1,216.45	2,827	1,202
1,216.50	2,861	1,345
1,216.55	2,896	1,489
1,216.60	2,930	1,634
1,216.65	2,965	1,782
1,216.70	2,999	1,931
1,216.75	3,034	2,081
1,216.80	3,068	2,234
1,216.85	3,102	2,388
1,216.90	3,137	2,544
1,216.95	3,171	2,702
1,217.00	3,206	2,861
1,217.05	3,240	3,023
1,217.10	3,275	3,185
1,217.15	3,309	3,350
1,217.20	3,344	3,516
1,217.25	3,378	3,684
1,217.30	3,412	3,854
1,217.35	3,447	4,026
1,217.40	3,481	4,199
1,217.45	3,516	4,374
1,217.50	3,550	4,550
1,217.55	3,585	4,729
1,217.60	3,619	4,909
1,217.65	3,653	5,091
1,217.70	3,688	5,274
1,217.75	3,722	5,459
1,217.80	3,757	5,646
1,217.85	3,791	5,835
1,217.90	3,826	6,025
1,217.95	3,860	6,218
1,218.00	3,895	6,412
1,218.05	3,929	6,607
1,218.10	3,963	6,804
1,218.15	3,998	7,003
1,218.20	4,032	7,204
1,218.25	4,067	7,407
1,218.30	4,101	7,611
1,218.35	4,136	7,817
1,218.40	4,170	8,024
1,218.45	4,204	8,234
1,218.50	4,239	8,445
1,218.55	4,273	8,658
1,218.60	4,308	8,872
1,218.65	4,342	9,088
1,218.70	4,377	9,306
1,218.75	4,411	9,526
1,218.80	4,445	9,747
1,218.85	4,480	9,971
1,218.90	4,514	10,195
1,218.95	4,549	10,422
1,219.00	4,583	10,650
1,219.05	4,618	10,880
1,219.10	4,652	11,112
1,219.15	4,687	11,346
1,219.20	4,721	11,581
1,219.25	4,755	11,818
1,219.30	4,790	12,056
1,219.35	4,824	12,297
1,219.40	4,859	12,539
1,219.45	4,893	12,783
1,219.50	4,928	13,028
1,219.55	4,962	13,275
1,219.60	4,996	13,524
1,219.65	5,031	13,775
1,219.70	5,065	14,027
1,219.75	5,100	14,282
1,219.80	5,134	14,537
1,219.85	5,169	14,795
1,219.90	5,203	15,054
1,219.95	5,238	15,315
1,220.00	**5,272**	**15,578**

Summary for Link 1L: Total Pre - Development

Inflow Area = 35.040 ac, 0.00% Impervious, Inflow Depth = 0.86" for 10 YR event
Inflow = 34.45 cfs @ 12.20 hrs, Volume= 2.507 af
Primary = 34.45 cfs @ 12.20 hrs, Volume= 2.507 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 1L: Total Pre - Development



Hydrograph for Link 1L: Total Pre - Development

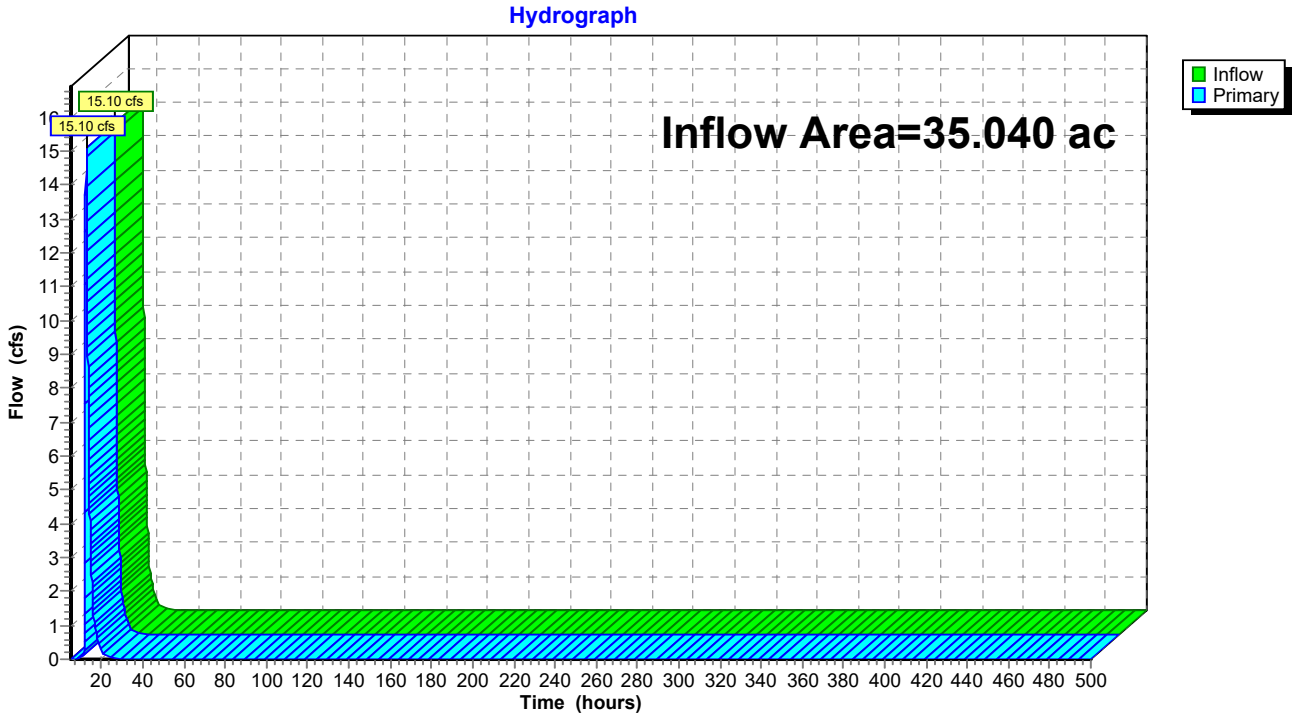
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**2.40**	0.00	**2.40**	270.00	0.00	0.00	0.00
20.00	0.94	0.00	0.94	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 2L: Total Post - Development

Inflow Area = 35.040 ac, 19.66% Impervious, Inflow Depth = 0.81" for 10 YR event
Inflow = 15.10 cfs @ 12.42 hrs, Volume= 2.364 af
Primary = 15.10 cfs @ 12.42 hrs, Volume= 2.364 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 2L: Total Post - Development



Hydrograph for Link 2L: Total Post - Development

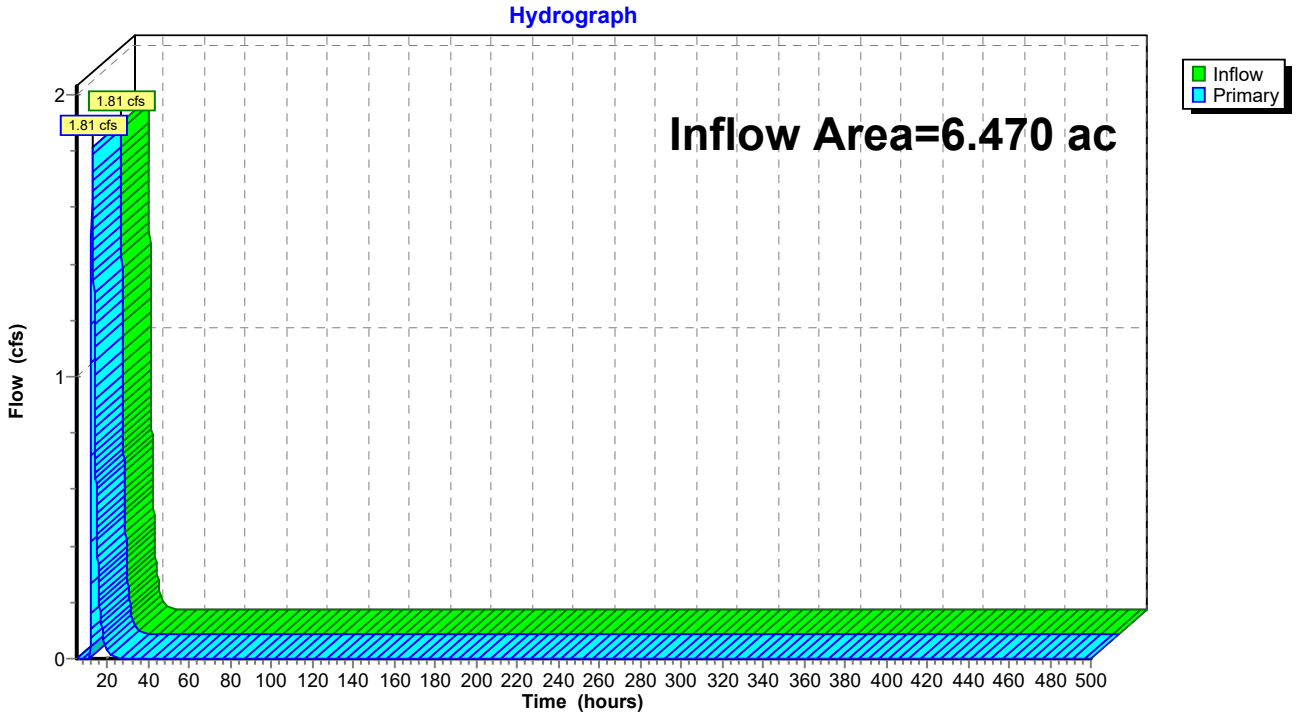
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.03**	0.00	**0.03**	265.00	0.00	0.00	0.00
15.00	**2.72**	0.00	**2.72**	270.00	0.00	0.00	0.00
20.00	0.22	0.00	0.22	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 3L: Post - South

Inflow Area = 6.470 ac, 18.70% Impervious, Inflow Depth = 0.59" for 10 YR event
Inflow = 1.81 cfs @ 12.54 hrs, Volume= 0.320 af
Primary = 1.81 cfs @ 12.54 hrs, Volume= 0.320 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 3L: Post - South



Hydrograph for Link 3L: Post - South

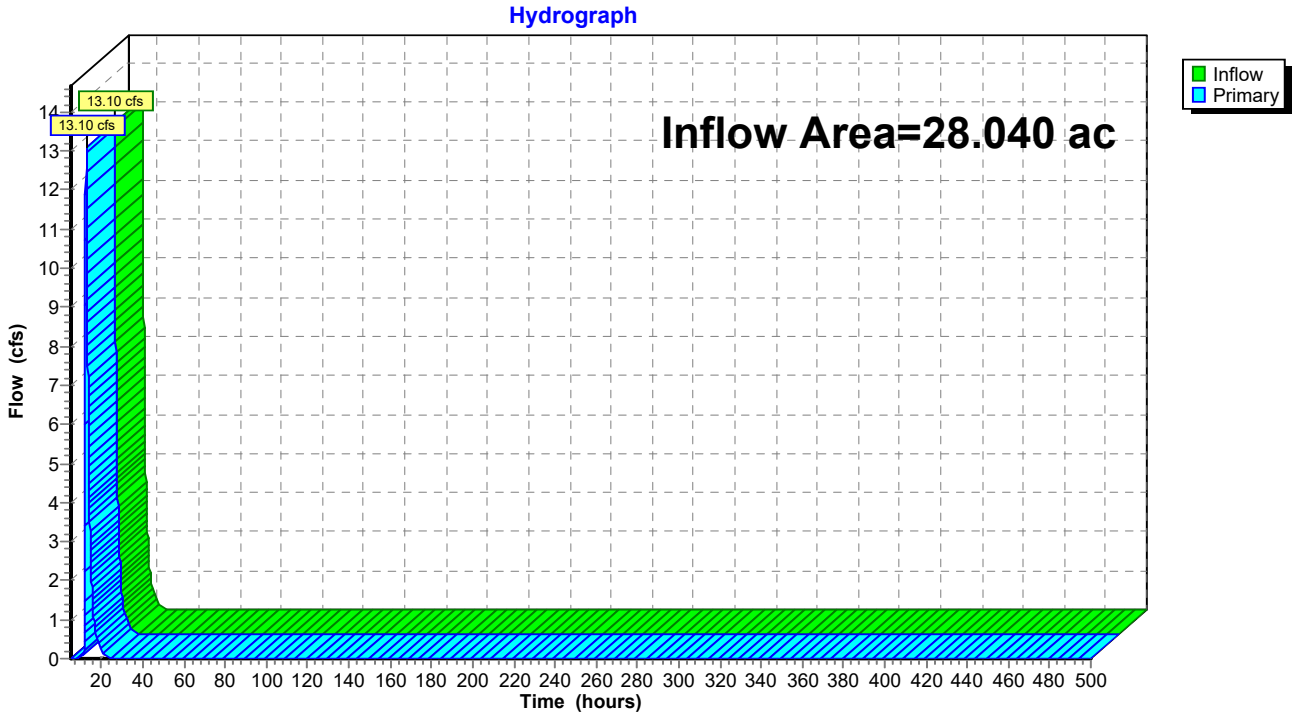
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.43**	0.00	**0.43**	270.00	0.00	0.00	0.00
20.00	0.02	0.00	0.02	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 4L: Post - North

Inflow Area = 28.040 ac, 20.04% Impervious, Inflow Depth = 0.85" for 10 YR event
Inflow = 13.10 cfs @ 12.41 hrs, Volume= 1.991 af
Primary = 13.10 cfs @ 12.41 hrs, Volume= 1.991 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 4L: Post - North



Hydrograph for Link 4L: Post - North

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.03**	0.00	**0.03**	265.00	0.00	0.00	0.00
15.00	**2.25**	0.00	**2.25**	270.00	0.00	0.00	0.00
20.00	0.19	0.00	0.19	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Time span=5.00-500.00 hrs, dt=0.05 hrs, 9901 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1: Pre - South Runoff Area=4.910 ac 0.00% Impervious Runoff Depth=0.93"
Tc=10.0 min CN=55 Runoff=5.15 cfs 0.381 af

Subcatchment1A: Post 1A Runoff Area=6.030 ac 19.24% Impervious Runoff Depth=1.81"
Tc=6.0 min CN=68 Runoff=16.99 cfs 0.909 af

Subcatchment1B: Post 1B - Offsite Runoff Area=0.440 ac 11.36% Impervious Runoff Depth=1.59"
Tc=6.0 min CN=65 Runoff=1.08 cfs 0.058 af

Subcatchment2: Pre - West Runoff Area=2.540 ac 0.00% Impervious Runoff Depth=0.93"
Tc=6.0 min CN=55 Runoff=3.24 cfs 0.197 af

Subcatchment2A: Post 2A - Offsite Runoff Area=0.530 ac 11.32% Impervious Runoff Depth=1.59"
Tc=6.0 min CN=65 Runoff=1.30 cfs 0.070 af

Subcatchment3: Pre - North Runoff Area=27.590 ac 0.00% Impervious Runoff Depth=1.24"
Tc=10.0 min CN=60 Runoff=42.44 cfs 2.858 af

Subcatchment3A: Post 3A Runoff Area=10.600 ac 18.58% Impervious Runoff Depth=1.96"
Tc=6.0 min CN=70 Runoff=32.55 cfs 1.734 af

Subcatchment3B: Post 3B Runoff Area=8.450 ac 19.88% Impervious Runoff Depth=2.04"
Tc=6.0 min CN=71 Runoff=27.03 cfs 1.437 af

Subcatchment3C: Post 3C Runoff Area=2.490 ac 22.89% Impervious Runoff Depth=2.37"
Tc=6.0 min CN=75 Runoff=9.25 cfs 0.491 af

Subcatchment3D: Post 3D Runoff Area=2.380 ac 23.95% Impervious Runoff Depth=2.45"
Tc=6.0 min CN=76 Runoff=9.15 cfs 0.487 af

Subcatchment3E: Post 3E Runoff Area=2.780 ac 19.06% Impervious Runoff Depth=2.28"
Tc=6.0 min CN=74 Runoff=9.96 cfs 0.529 af

Subcatchment3Y: Post 3Y - Offsite Runoff Area=0.820 ac 36.59% Impervious Runoff Depth=3.08"
Tc=6.0 min CN=83 Runoff=3.89 cfs 0.211 af

Subcatchment3Z: Post 3Z - Offsite Runoff Area=0.520 ac 0.00% Impervious Runoff Depth=2.28"
Tc=6.0 min CN=74 Runoff=1.86 cfs 0.099 af

Subcatchment5S: Culvert 1 Runoff Area=4,797 sf 48.61% Impervious Runoff Depth=2.72"
Tc=6.0 min CN=79 Runoff=0.47 cfs 0.025 af

Subcatchment6S: Culvert 2 Runoff Area=24,708 sf 36.87% Impervious Runoff Depth=2.37"
Tc=6.0 min CN=75 Runoff=2.11 cfs 0.112 af

Subcatchment7S: Culvert 3 Runoff Area=41,517 sf 32.00% Impervious Runoff Depth=2.20"
Tc=6.0 min CN=73 Runoff=3.29 cfs 0.175 af

Subcatchment8S: Culvert 4 Runoff Area=209,603 sf 25.18% Impervious Runoff Depth=1.96"
Tc=6.0 min CN=70 Runoff=14.78 cfs 0.787 af

Subcatchment9S: Culvert 5 Runoff Area=188,836 sf 19.96% Impervious Runoff Depth=1.81"
Tc=6.0 min CN=68 Runoff=12.22 cfs 0.653 af

Pond P1A: Pond 1A Peak Elev=1,242.10' Storage=14,669 cf Inflow=16.99 cfs 0.909 af
Primary=3.02 cfs 0.440 af Secondary=0.58 cfs 0.469 af Tertiary=0.00 cfs 0.000 af Outflow=3.60 cfs 0.909 af

Pond P3A: Pond 3A Peak Elev=1,195.98' Storage=28,352 cf Inflow=32.55 cfs 1.734 af
Primary=5.95 cfs 0.991 af Secondary=0.84 cfs 0.743 af Tertiary=0.00 cfs 0.000 af Outflow=6.79 cfs 1.734 af

Pond P3B: Pond 3B Peak Elev=1,198.86' Storage=22,719 cf Inflow=27.03 cfs 1.437 af
Primary=5.81 cfs 0.841 af Secondary=0.75 cfs 0.596 af Tertiary=0.00 cfs 0.000 af Outflow=6.56 cfs 1.437 af

Pond P3C: Pond 3C Peak Elev=1,180.67' Storage=8,327 cf Inflow=9.25 cfs 0.491 af
Primary=1.72 cfs 0.206 af Secondary=0.36 cfs 0.286 af Tertiary=0.00 cfs 0.000 af Outflow=2.08 cfs 0.491 af

Pond P3D: Pond 3D Peak Elev=1,190.42' Storage=6,232 cf Inflow=9.15 cfs 0.487 af
Primary=4.31 cfs 0.312 af Secondary=0.24 cfs 0.174 af Tertiary=0.00 cfs 0.000 af Outflow=4.56 cfs 0.487 af

Pond P3E: Pond 3E Peak Elev=1,218.66' Storage=9,113 cf Inflow=9.96 cfs 0.529 af
Primary=1.67 cfs 0.212 af Secondary=0.36 cfs 0.318 af Tertiary=0.00 cfs 0.000 af Outflow=2.04 cfs 0.529 af

Link 1L: Total Pre - Development Inflow=50.10 cfs 3.436 af
Primary=50.10 cfs 3.436 af

Link 2L: Total Post - Development Inflow=24.04 cfs 3.439 af
Primary=24.04 cfs 3.439 af

Link 3L: Post - South Inflow=3.27 cfs 0.498 af
Primary=3.27 cfs 0.498 af

Link 4L: Post - North Inflow=20.79 cfs 2.871 af
Primary=20.79 cfs 2.871 af

Total Runoff Area = 80.857 ac Runoff Volume = 11.213 af Average Runoff Depth = 1.66"
88.21% Pervious = 71.323 ac 11.79% Impervious = 9.534 ac

Summary for Subcatchment 1: Pre - South

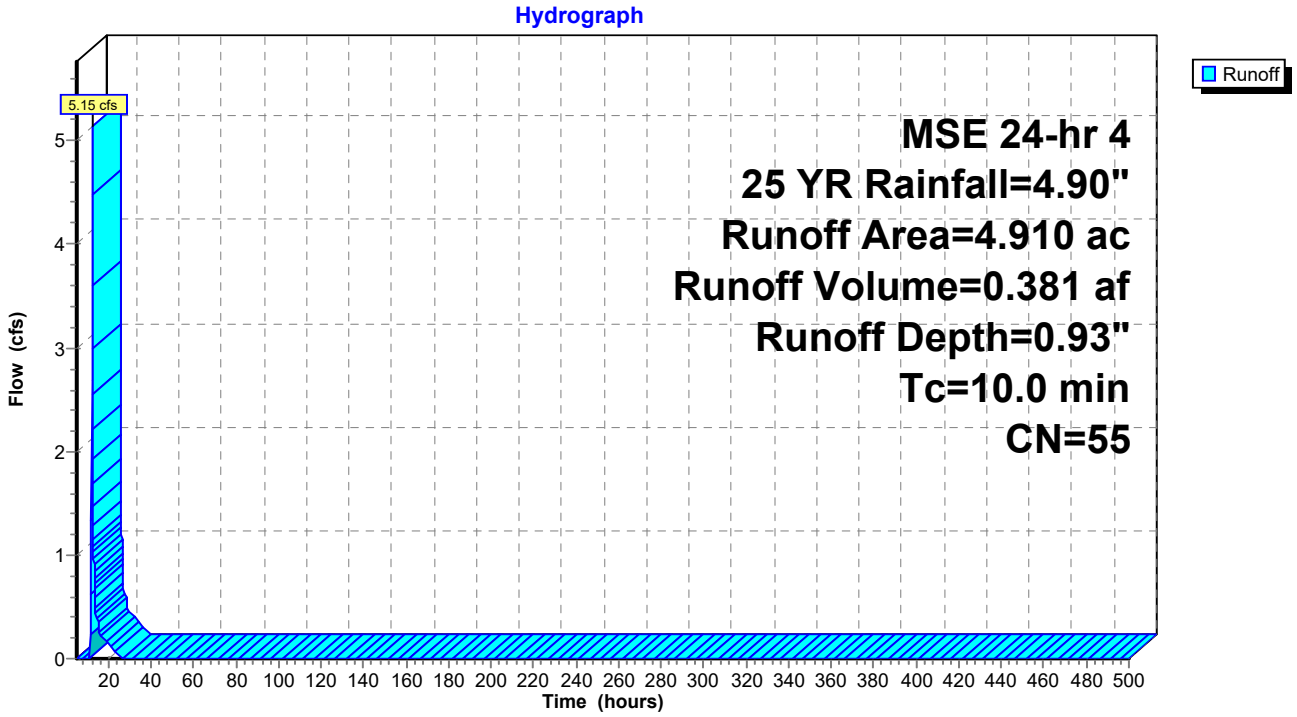
Runoff = 5.15 cfs @ 12.20 hrs, Volume= 0.381 af, Depth= 0.93"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	4.910	55	Pre Dev - B Soils
	4.910		100.00% Pervious Area

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

Subcatchment 1: Pre - South



Hydrograph for Subcatchment 1: Pre - South

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	0.93	0.00
10.00	0.78	0.00	**0.00**	265.00	4.90	0.93	0.00
15.00	4.31	0.66	**0.37**	270.00	4.90	0.93	0.00
20.00	**4.74**	**0.85**	0.15	275.00	4.90	0.93	0.00
25.00	**4.90**	**0.93**	0.00	280.00	4.90	0.93	0.00
30.00	4.90	0.93	0.00	285.00	4.90	0.93	0.00
35.00	4.90	0.93	0.00	290.00	4.90	0.93	0.00
40.00	4.90	0.93	0.00	295.00	4.90	0.93	0.00
45.00	4.90	0.93	0.00	300.00	4.90	0.93	0.00
50.00	4.90	0.93	0.00	305.00	4.90	0.93	0.00
55.00	4.90	0.93	0.00	310.00	4.90	0.93	0.00
60.00	4.90	0.93	0.00	315.00	4.90	0.93	0.00
65.00	4.90	0.93	0.00	320.00	4.90	0.93	0.00
70.00	4.90	0.93	0.00	325.00	4.90	0.93	0.00
75.00	4.90	0.93	0.00	330.00	4.90	0.93	0.00
80.00	4.90	0.93	0.00	335.00	4.90	0.93	0.00
85.00	4.90	0.93	0.00	340.00	4.90	0.93	0.00
90.00	4.90	0.93	0.00	345.00	4.90	0.93	0.00
95.00	4.90	0.93	0.00	350.00	4.90	0.93	0.00
100.00	4.90	0.93	0.00	355.00	4.90	0.93	0.00
105.00	4.90	0.93	0.00	360.00	4.90	0.93	0.00
110.00	4.90	0.93	0.00	365.00	4.90	0.93	0.00
115.00	4.90	0.93	0.00	370.00	4.90	0.93	0.00
120.00	4.90	0.93	0.00	375.00	4.90	0.93	0.00
125.00	4.90	0.93	0.00	380.00	4.90	0.93	0.00
130.00	4.90	0.93	0.00	385.00	4.90	0.93	0.00
135.00	4.90	0.93	0.00	390.00	4.90	0.93	0.00
140.00	4.90	0.93	0.00	395.00	4.90	0.93	0.00
145.00	4.90	0.93	0.00	400.00	4.90	0.93	0.00
150.00	4.90	0.93	0.00	405.00	4.90	0.93	0.00
155.00	4.90	0.93	0.00	410.00	4.90	0.93	0.00
160.00	4.90	0.93	0.00	415.00	4.90	0.93	0.00
165.00	4.90	0.93	0.00	420.00	4.90	0.93	0.00
170.00	4.90	0.93	0.00	425.00	4.90	0.93	0.00
175.00	4.90	0.93	0.00	430.00	4.90	0.93	0.00
180.00	4.90	0.93	0.00	435.00	4.90	0.93	0.00
185.00	4.90	0.93	0.00	440.00	4.90	0.93	0.00
190.00	4.90	0.93	0.00	445.00	4.90	0.93	0.00
195.00	4.90	0.93	0.00	450.00	4.90	0.93	0.00
200.00	4.90	0.93	0.00	455.00	4.90	0.93	0.00
205.00	4.90	0.93	0.00	460.00	4.90	0.93	0.00
210.00	4.90	0.93	0.00	465.00	4.90	0.93	0.00
215.00	4.90	0.93	0.00	470.00	4.90	0.93	0.00
220.00	4.90	0.93	0.00	475.00	4.90	0.93	0.00
225.00	4.90	0.93	0.00	480.00	4.90	0.93	0.00
230.00	4.90	0.93	0.00	485.00	4.90	0.93	0.00
235.00	4.90	0.93	0.00	490.00	4.90	0.93	0.00
240.00	4.90	0.93	0.00	495.00	4.90	0.93	0.00
245.00	4.90	0.93	0.00	500.00	4.90	0.93	0.00
250.00	4.90	0.93	0.00				
255.00	4.90	0.93	0.00				

Summary for Subcatchment 1A: Post 1A

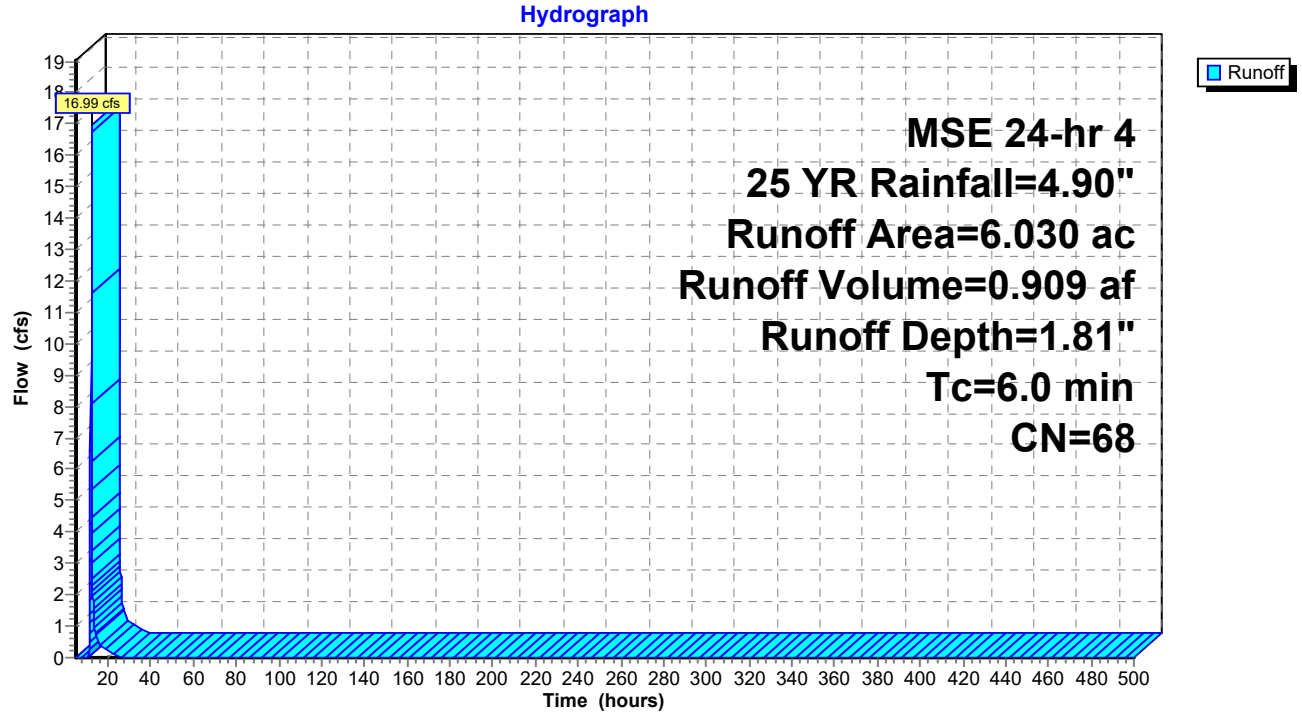
Runoff = 16.99 cfs @ 12.14 hrs, Volume= 0.909 af, Depth= 1.81"
Routed to Pond P1A : Pond 1A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	1.160	98	Impervious
*	4.870	61	Post - B Soils
*	0.000	74	Post - C Soils
	6.030	68	Weighted Average
	4.870		80.76% Pervious Area
	1.160		19.24% Impervious Area

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

Subcatchment 1A: Post 1A



Hydrograph for Subcatchment 1A: Post 1A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00
10.00	0.78	0.00	**0.00**
15.00	4.31	1.40	**0.69**
20.00	**4.74**	**1.70**	0.26
25.00	**4.90**	**1.81**	0.00
30.00	4.90	1.81	0.00
35.00	4.90	1.81	0.00
40.00	4.90	1.81	0.00
45.00	4.90	1.81	0.00
50.00	4.90	1.81	0.00
55.00	4.90	1.81	0.00
60.00	4.90	1.81	0.00
65.00	4.90	1.81	0.00
70.00	4.90	1.81	0.00
75.00	4.90	1.81	0.00
80.00	4.90	1.81	0.00
85.00	4.90	1.81	0.00
90.00	4.90	1.81	0.00
95.00	4.90	1.81	0.00
100.00	4.90	1.81	0.00
105.00	4.90	1.81	0.00
110.00	4.90	1.81	0.00
115.00	4.90	1.81	0.00
120.00	4.90	1.81	0.00
125.00	4.90	1.81	0.00
130.00	4.90	1.81	0.00
135.00	4.90	1.81	0.00
140.00	4.90	1.81	0.00
145.00	4.90	1.81	0.00
150.00	4.90	1.81	0.00
155.00	4.90	1.81	0.00
160.00	4.90	1.81	0.00
165.00	4.90	1.81	0.00
170.00	4.90	1.81	0.00
175.00	4.90	1.81	0.00
180.00	4.90	1.81	0.00
185.00	4.90	1.81	0.00
190.00	4.90	1.81	0.00
195.00	4.90	1.81	0.00
200.00	4.90	1.81	0.00
205.00	4.90	1.81	0.00
210.00	4.90	1.81	0.00
215.00	4.90	1.81	0.00
220.00	4.90	1.81	0.00
225.00	4.90	1.81	0.00
230.00	4.90	1.81	0.00
235.00	4.90	1.81	0.00
240.00	4.90	1.81	0.00
245.00	4.90	1.81	0.00
250.00	4.90	1.81	0.00
255.00	4.90	1.81	0.00
260.00	4.90	1.81	0.00
265.00	4.90	1.81	0.00
270.00	4.90	1.81	0.00
275.00	4.90	1.81	0.00
280.00	4.90	1.81	0.00
285.00	4.90	1.81	0.00
290.00	4.90	1.81	0.00
295.00	4.90	1.81	0.00
300.00	4.90	1.81	0.00
305.00	4.90	1.81	0.00
310.00	4.90	1.81	0.00
315.00	4.90	1.81	0.00
320.00	4.90	1.81	0.00
325.00	4.90	1.81	0.00
330.00	4.90	1.81	0.00
335.00	4.90	1.81	0.00
340.00	4.90	1.81	0.00
345.00	4.90	1.81	0.00
350.00	4.90	1.81	0.00
355.00	4.90	1.81	0.00
360.00	4.90	1.81	0.00
365.00	4.90	1.81	0.00
370.00	4.90	1.81	0.00
375.00	4.90	1.81	0.00
380.00	4.90	1.81	0.00
385.00	4.90	1.81	0.00
390.00	4.90	1.81	0.00
395.00	4.90	1.81	0.00
400.00	4.90	1.81	0.00
405.00	4.90	1.81	0.00
410.00	4.90	1.81	0.00
415.00	4.90	1.81	0.00
420.00	4.90	1.81	0.00
425.00	4.90	1.81	0.00
430.00	4.90	1.81	0.00
435.00	4.90	1.81	0.00
440.00	4.90	1.81	0.00
445.00	4.90	1.81	0.00
450.00	4.90	1.81	0.00
455.00	4.90	1.81	0.00
460.00	4.90	1.81	0.00
465.00	4.90	1.81	0.00
470.00	4.90	1.81	0.00
475.00	4.90	1.81	0.00
480.00	4.90	1.81	0.00
485.00	4.90	1.81	0.00
490.00	4.90	1.81	0.00
495.00	4.90	1.81	0.00
500.00	4.90	1.81	0.00

Summary for Subcatchment 1B: Post 1B - Offsite

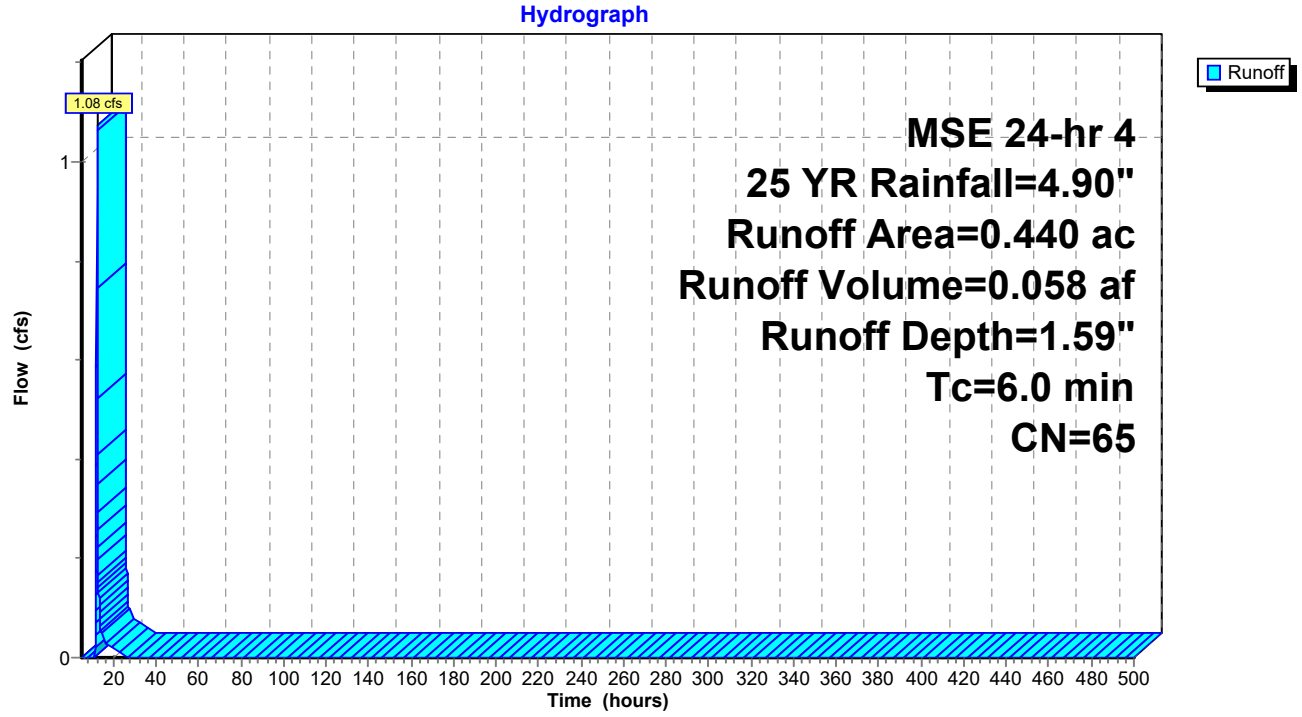
Runoff = 1.08 cfs @ 12.14 hrs, Volume= 0.058 af, Depth= 1.59"
Routed to Link 3L : Post - South

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	0.050	98	Impervious
*	0.390	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.440	65	Weighted Average
	0.390		88.64% Pervious Area
	0.050		11.36% Impervious Area

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

Subcatchment 1B: Post 1B - Offsite



Hydrograph for Subcatchment 1B: Post 1B - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00
10.00	0.78	0.00	**0.00**
15.00	4.31	1.21	**0.05**
20.00	**4.74**	**1.48**	0.02
25.00	**4.90**	**1.59**	0.00
30.00	4.90	1.59	0.00
35.00	4.90	1.59	0.00
40.00	4.90	1.59	0.00
45.00	4.90	1.59	0.00
50.00	4.90	1.59	0.00
55.00	4.90	1.59	0.00
60.00	4.90	1.59	0.00
65.00	4.90	1.59	0.00
70.00	4.90	1.59	0.00
75.00	4.90	1.59	0.00
80.00	4.90	1.59	0.00
85.00	4.90	1.59	0.00
90.00	4.90	1.59	0.00
95.00	4.90	1.59	0.00
100.00	4.90	1.59	0.00
105.00	4.90	1.59	0.00
110.00	4.90	1.59	0.00
115.00	4.90	1.59	0.00
120.00	4.90	1.59	0.00
125.00	4.90	1.59	0.00
130.00	4.90	1.59	0.00
135.00	4.90	1.59	0.00
140.00	4.90	1.59	0.00
145.00	4.90	1.59	0.00
150.00	4.90	1.59	0.00
155.00	4.90	1.59	0.00
160.00	4.90	1.59	0.00
165.00	4.90	1.59	0.00
170.00	4.90	1.59	0.00
175.00	4.90	1.59	0.00
180.00	4.90	1.59	0.00
185.00	4.90	1.59	0.00
190.00	4.90	1.59	0.00
195.00	4.90	1.59	0.00
200.00	4.90	1.59	0.00
205.00	4.90	1.59	0.00
210.00	4.90	1.59	0.00
215.00	4.90	1.59	0.00
220.00	4.90	1.59	0.00
225.00	4.90	1.59	0.00
230.00	4.90	1.59	0.00
235.00	4.90	1.59	0.00
240.00	4.90	1.59	0.00
245.00	4.90	1.59	0.00
250.00	4.90	1.59	0.00
255.00	4.90	1.59	0.00
260.00	4.90	1.59	0.00
265.00	4.90	1.59	0.00
270.00	4.90	1.59	0.00
275.00	4.90	1.59	0.00
280.00	4.90	1.59	0.00
285.00	4.90	1.59	0.00
290.00	4.90	1.59	0.00
295.00	4.90	1.59	0.00
300.00	4.90	1.59	0.00
305.00	4.90	1.59	0.00
310.00	4.90	1.59	0.00
315.00	4.90	1.59	0.00
320.00	4.90	1.59	0.00
325.00	4.90	1.59	0.00
330.00	4.90	1.59	0.00
335.00	4.90	1.59	0.00
340.00	4.90	1.59	0.00
345.00	4.90	1.59	0.00
350.00	4.90	1.59	0.00
355.00	4.90	1.59	0.00
360.00	4.90	1.59	0.00
365.00	4.90	1.59	0.00
370.00	4.90	1.59	0.00
375.00	4.90	1.59	0.00
380.00	4.90	1.59	0.00
385.00	4.90	1.59	0.00
390.00	4.90	1.59	0.00
395.00	4.90	1.59	0.00
400.00	4.90	1.59	0.00
405.00	4.90	1.59	0.00
410.00	4.90	1.59	0.00
415.00	4.90	1.59	0.00
420.00	4.90	1.59	0.00
425.00	4.90	1.59	0.00
430.00	4.90	1.59	0.00
435.00	4.90	1.59	0.00
440.00	4.90	1.59	0.00
445.00	4.90	1.59	0.00
450.00	4.90	1.59	0.00
455.00	4.90	1.59	0.00
460.00	4.90	1.59	0.00
465.00	4.90	1.59	0.00
470.00	4.90	1.59	0.00
475.00	4.90	1.59	0.00
480.00	4.90	1.59	0.00
485.00	4.90	1.59	0.00
490.00	4.90	1.59	0.00
495.00	4.90	1.59	0.00
500.00	4.90	1.59	0.00

Summary for Subcatchment 2: Pre - West

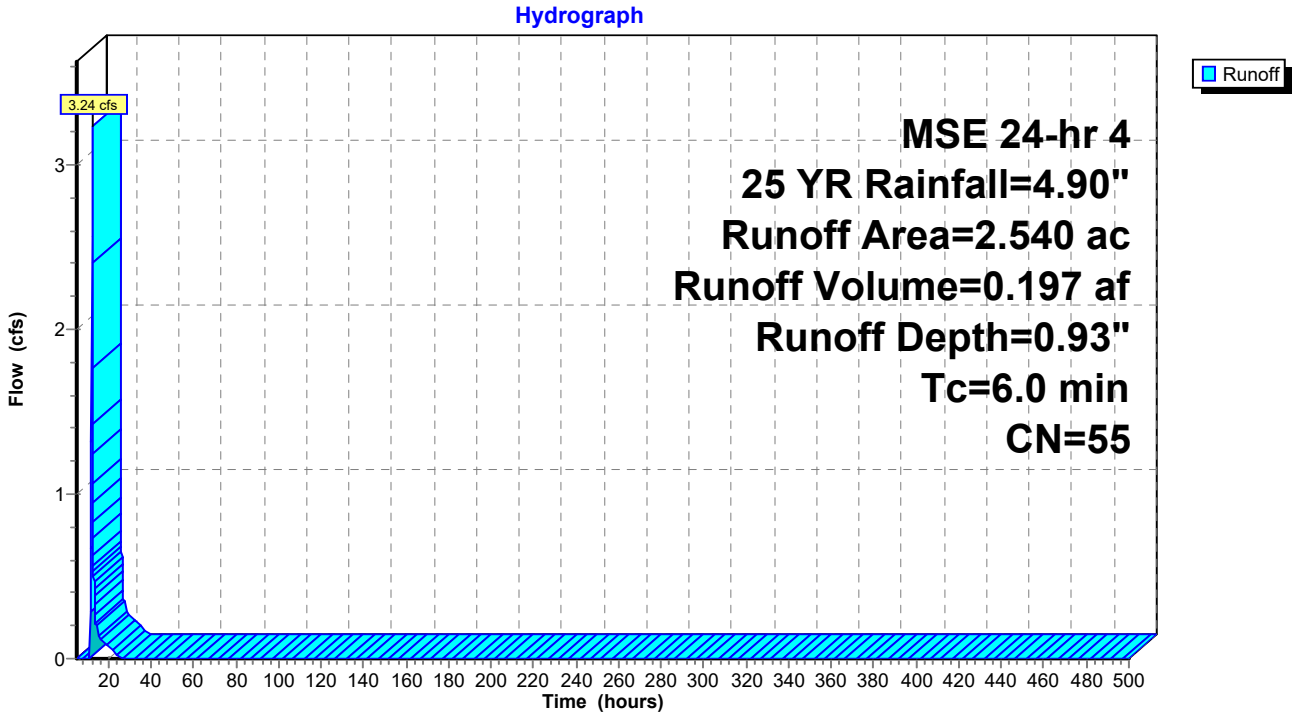
Runoff = 3.24 cfs @ 12.15 hrs, Volume= 0.197 af, Depth= 0.93"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	2.540	55	Pre Dev - B Soils
	2.540		100.00% Pervious Area

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

Subcatchment 2: Pre - West



Hydrograph for Subcatchment 2: Pre - West

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	0.93	0.00
10.00	0.78	0.00	**0.00**	265.00	4.90	0.93	0.00
15.00	4.31	0.66	**0.19**	270.00	4.90	0.93	0.00
20.00	**4.74**	**0.85**	0.07	275.00	4.90	0.93	0.00
25.00	**4.90**	**0.93**	0.00	280.00	4.90	0.93	0.00
30.00	4.90	0.93	0.00	285.00	4.90	0.93	0.00
35.00	4.90	0.93	0.00	290.00	4.90	0.93	0.00
40.00	4.90	0.93	0.00	295.00	4.90	0.93	0.00
45.00	4.90	0.93	0.00	300.00	4.90	0.93	0.00
50.00	4.90	0.93	0.00	305.00	4.90	0.93	0.00
55.00	4.90	0.93	0.00	310.00	4.90	0.93	0.00
60.00	4.90	0.93	0.00	315.00	4.90	0.93	0.00
65.00	4.90	0.93	0.00	320.00	4.90	0.93	0.00
70.00	4.90	0.93	0.00	325.00	4.90	0.93	0.00
75.00	4.90	0.93	0.00	330.00	4.90	0.93	0.00
80.00	4.90	0.93	0.00	335.00	4.90	0.93	0.00
85.00	4.90	0.93	0.00	340.00	4.90	0.93	0.00
90.00	4.90	0.93	0.00	345.00	4.90	0.93	0.00
95.00	4.90	0.93	0.00	350.00	4.90	0.93	0.00
100.00	4.90	0.93	0.00	355.00	4.90	0.93	0.00
105.00	4.90	0.93	0.00	360.00	4.90	0.93	0.00
110.00	4.90	0.93	0.00	365.00	4.90	0.93	0.00
115.00	4.90	0.93	0.00	370.00	4.90	0.93	0.00
120.00	4.90	0.93	0.00	375.00	4.90	0.93	0.00
125.00	4.90	0.93	0.00	380.00	4.90	0.93	0.00
130.00	4.90	0.93	0.00	385.00	4.90	0.93	0.00
135.00	4.90	0.93	0.00	390.00	4.90	0.93	0.00
140.00	4.90	0.93	0.00	395.00	4.90	0.93	0.00
145.00	4.90	0.93	0.00	400.00	4.90	0.93	0.00
150.00	4.90	0.93	0.00	405.00	4.90	0.93	0.00
155.00	4.90	0.93	0.00	410.00	4.90	0.93	0.00
160.00	4.90	0.93	0.00	415.00	4.90	0.93	0.00
165.00	4.90	0.93	0.00	420.00	4.90	0.93	0.00
170.00	4.90	0.93	0.00	425.00	4.90	0.93	0.00
175.00	4.90	0.93	0.00	430.00	4.90	0.93	0.00
180.00	4.90	0.93	0.00	435.00	4.90	0.93	0.00
185.00	4.90	0.93	0.00	440.00	4.90	0.93	0.00
190.00	4.90	0.93	0.00	445.00	4.90	0.93	0.00
195.00	4.90	0.93	0.00	450.00	4.90	0.93	0.00
200.00	4.90	0.93	0.00	455.00	4.90	0.93	0.00
205.00	4.90	0.93	0.00	460.00	4.90	0.93	0.00
210.00	4.90	0.93	0.00	465.00	4.90	0.93	0.00
215.00	4.90	0.93	0.00	470.00	4.90	0.93	0.00
220.00	4.90	0.93	0.00	475.00	4.90	0.93	0.00
225.00	4.90	0.93	0.00	480.00	4.90	0.93	0.00
230.00	4.90	0.93	0.00	485.00	4.90	0.93	0.00
235.00	4.90	0.93	0.00	490.00	4.90	0.93	0.00
240.00	4.90	0.93	0.00	495.00	4.90	0.93	0.00
245.00	4.90	0.93	0.00	500.00	4.90	0.93	0.00
250.00	4.90	0.93	0.00				
255.00	4.90	0.93	0.00				

Summary for Subcatchment 2A: Post 2A - Offsite

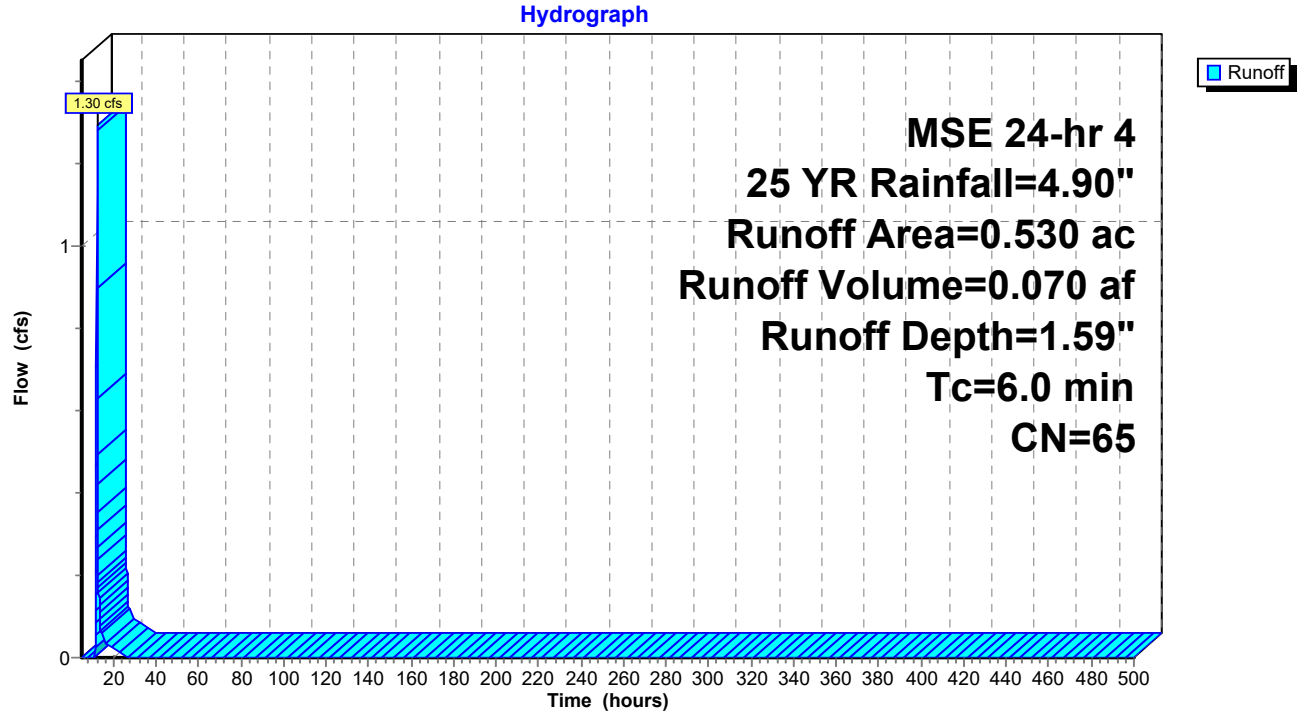
Runoff = 1.30 cfs @ 12.14 hrs, Volume= 0.070 af, Depth= 1.59"
Routed to Link 2L : Total Post - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	0.060	98	Impervious
*	0.470	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.530	65	Weighted Average
	0.470		88.68% Pervious Area
	0.060		11.32% Impervious Area

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

Subcatchment 2A: Post 2A - Offsite



Hydrograph for Subcatchment 2A: Post 2A - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00
10.00	0.78	0.00	**0.00**
15.00	4.31	1.21	**0.06**
20.00	**4.74**	**1.48**	0.02
25.00	**4.90**	**1.59**	0.00
30.00	4.90	1.59	0.00
35.00	4.90	1.59	0.00
40.00	4.90	1.59	0.00
45.00	4.90	1.59	0.00
50.00	4.90	1.59	0.00
55.00	4.90	1.59	0.00
60.00	4.90	1.59	0.00
65.00	4.90	1.59	0.00
70.00	4.90	1.59	0.00
75.00	4.90	1.59	0.00
80.00	4.90	1.59	0.00
85.00	4.90	1.59	0.00
90.00	4.90	1.59	0.00
95.00	4.90	1.59	0.00
100.00	4.90	1.59	0.00
105.00	4.90	1.59	0.00
110.00	4.90	1.59	0.00
115.00	4.90	1.59	0.00
120.00	4.90	1.59	0.00
125.00	4.90	1.59	0.00
130.00	4.90	1.59	0.00
135.00	4.90	1.59	0.00
140.00	4.90	1.59	0.00
145.00	4.90	1.59	0.00
150.00	4.90	1.59	0.00
155.00	4.90	1.59	0.00
160.00	4.90	1.59	0.00
165.00	4.90	1.59	0.00
170.00	4.90	1.59	0.00
175.00	4.90	1.59	0.00
180.00	4.90	1.59	0.00
185.00	4.90	1.59	0.00
190.00	4.90	1.59	0.00
195.00	4.90	1.59	0.00
200.00	4.90	1.59	0.00
205.00	4.90	1.59	0.00
210.00	4.90	1.59	0.00
215.00	4.90	1.59	0.00
220.00	4.90	1.59	0.00
225.00	4.90	1.59	0.00
230.00	4.90	1.59	0.00
235.00	4.90	1.59	0.00
240.00	4.90	1.59	0.00
245.00	4.90	1.59	0.00
250.00	4.90	1.59	0.00
255.00	4.90	1.59	0.00
260.00	4.90	1.59	0.00
265.00	4.90	1.59	0.00
270.00	4.90	1.59	0.00
275.00	4.90	1.59	0.00
280.00	4.90	1.59	0.00
285.00	4.90	1.59	0.00
290.00	4.90	1.59	0.00
295.00	4.90	1.59	0.00
300.00	4.90	1.59	0.00
305.00	4.90	1.59	0.00
310.00	4.90	1.59	0.00
315.00	4.90	1.59	0.00
320.00	4.90	1.59	0.00
325.00	4.90	1.59	0.00
330.00	4.90	1.59	0.00
335.00	4.90	1.59	0.00
340.00	4.90	1.59	0.00
345.00	4.90	1.59	0.00
350.00	4.90	1.59	0.00
355.00	4.90	1.59	0.00
360.00	4.90	1.59	0.00
365.00	4.90	1.59	0.00
370.00	4.90	1.59	0.00
375.00	4.90	1.59	0.00
380.00	4.90	1.59	0.00
385.00	4.90	1.59	0.00
390.00	4.90	1.59	0.00
395.00	4.90	1.59	0.00
400.00	4.90	1.59	0.00
405.00	4.90	1.59	0.00
410.00	4.90	1.59	0.00
415.00	4.90	1.59	0.00
420.00	4.90	1.59	0.00
425.00	4.90	1.59	0.00
430.00	4.90	1.59	0.00
435.00	4.90	1.59	0.00
440.00	4.90	1.59	0.00
445.00	4.90	1.59	0.00
450.00	4.90	1.59	0.00
455.00	4.90	1.59	0.00
460.00	4.90	1.59	0.00
465.00	4.90	1.59	0.00
470.00	4.90	1.59	0.00
475.00	4.90	1.59	0.00
480.00	4.90	1.59	0.00
485.00	4.90	1.59	0.00
490.00	4.90	1.59	0.00
495.00	4.90	1.59	0.00
500.00	4.90	1.59	0.00

Summary for Subcatchment 3: Pre - North

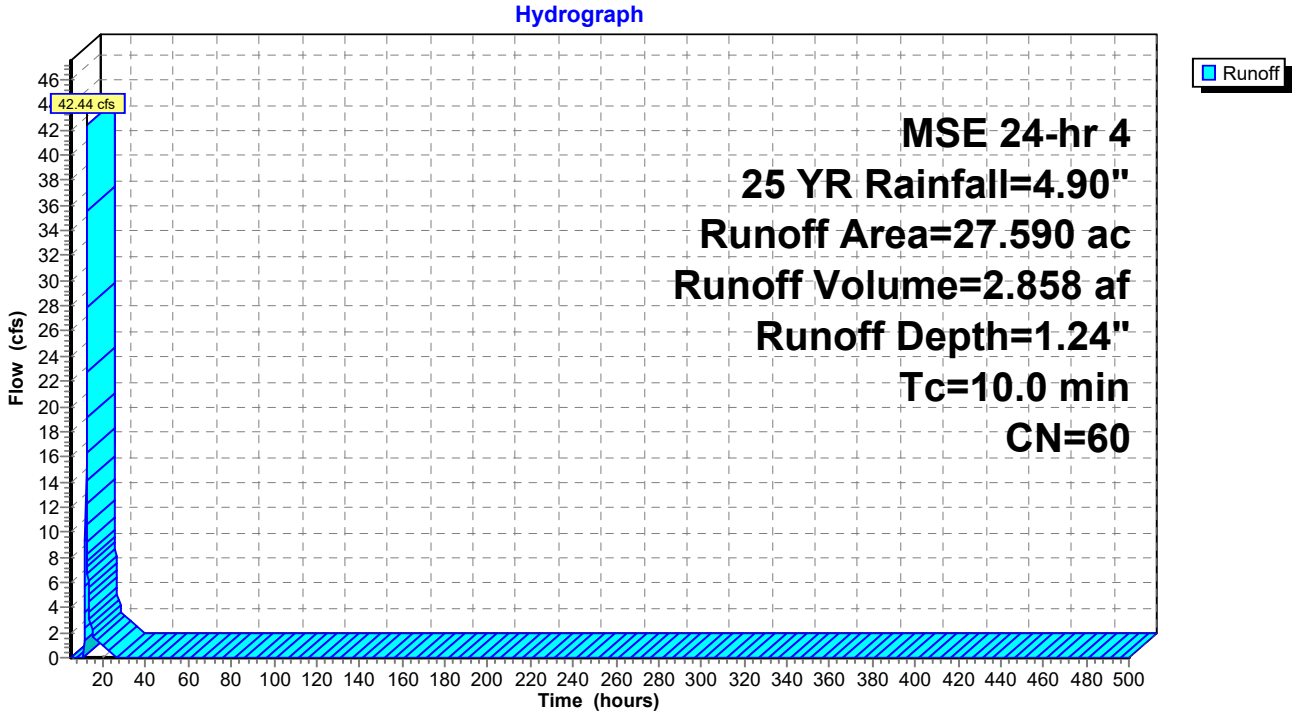
Runoff = 42.44 cfs @ 12.19 hrs, Volume= 2.858 af, Depth= 1.24"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	18.190	55	Pre Dev - B Soils
*	9.400	70	Pre Dev - C Soils
	27.590	60	Weighted Average
	27.590		100.00% Pervious Area

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

Subcatchment 3: Pre - North



Hydrograph for Subcatchment 3: Pre - North

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	1.24	0.00
10.00	0.78	0.00	**0.00**	265.00	4.90	1.24	0.00
15.00	4.31	0.92	**2.53**	270.00	4.90	1.24	0.00
20.00	**4.74**	**1.15**	0.97	275.00	4.90	1.24	0.00
25.00	**4.90**	**1.24**	0.00	280.00	4.90	1.24	0.00
30.00	4.90	1.24	0.00	285.00	4.90	1.24	0.00
35.00	4.90	1.24	0.00	290.00	4.90	1.24	0.00
40.00	4.90	1.24	0.00	295.00	4.90	1.24	0.00
45.00	4.90	1.24	0.00	300.00	4.90	1.24	0.00
50.00	4.90	1.24	0.00	305.00	4.90	1.24	0.00
55.00	4.90	1.24	0.00	310.00	4.90	1.24	0.00
60.00	4.90	1.24	0.00	315.00	4.90	1.24	0.00
65.00	4.90	1.24	0.00	320.00	4.90	1.24	0.00
70.00	4.90	1.24	0.00	325.00	4.90	1.24	0.00
75.00	4.90	1.24	0.00	330.00	4.90	1.24	0.00
80.00	4.90	1.24	0.00	335.00	4.90	1.24	0.00
85.00	4.90	1.24	0.00	340.00	4.90	1.24	0.00
90.00	4.90	1.24	0.00	345.00	4.90	1.24	0.00
95.00	4.90	1.24	0.00	350.00	4.90	1.24	0.00
100.00	4.90	1.24	0.00	355.00	4.90	1.24	0.00
105.00	4.90	1.24	0.00	360.00	4.90	1.24	0.00
110.00	4.90	1.24	0.00	365.00	4.90	1.24	0.00
115.00	4.90	1.24	0.00	370.00	4.90	1.24	0.00
120.00	4.90	1.24	0.00	375.00	4.90	1.24	0.00
125.00	4.90	1.24	0.00	380.00	4.90	1.24	0.00
130.00	4.90	1.24	0.00	385.00	4.90	1.24	0.00
135.00	4.90	1.24	0.00	390.00	4.90	1.24	0.00
140.00	4.90	1.24	0.00	395.00	4.90	1.24	0.00
145.00	4.90	1.24	0.00	400.00	4.90	1.24	0.00
150.00	4.90	1.24	0.00	405.00	4.90	1.24	0.00
155.00	4.90	1.24	0.00	410.00	4.90	1.24	0.00
160.00	4.90	1.24	0.00	415.00	4.90	1.24	0.00
165.00	4.90	1.24	0.00	420.00	4.90	1.24	0.00
170.00	4.90	1.24	0.00	425.00	4.90	1.24	0.00
175.00	4.90	1.24	0.00	430.00	4.90	1.24	0.00
180.00	4.90	1.24	0.00	435.00	4.90	1.24	0.00
185.00	4.90	1.24	0.00	440.00	4.90	1.24	0.00
190.00	4.90	1.24	0.00	445.00	4.90	1.24	0.00
195.00	4.90	1.24	0.00	450.00	4.90	1.24	0.00
200.00	4.90	1.24	0.00	455.00	4.90	1.24	0.00
205.00	4.90	1.24	0.00	460.00	4.90	1.24	0.00
210.00	4.90	1.24	0.00	465.00	4.90	1.24	0.00
215.00	4.90	1.24	0.00	470.00	4.90	1.24	0.00
220.00	4.90	1.24	0.00	475.00	4.90	1.24	0.00
225.00	4.90	1.24	0.00	480.00	4.90	1.24	0.00
230.00	4.90	1.24	0.00	485.00	4.90	1.24	0.00
235.00	4.90	1.24	0.00	490.00	4.90	1.24	0.00
240.00	4.90	1.24	0.00	495.00	4.90	1.24	0.00
245.00	4.90	1.24	0.00	500.00	4.90	1.24	0.00
250.00	4.90	1.24	0.00				
255.00	4.90	1.24	0.00				

Summary for Subcatchment 3A: Post 3A

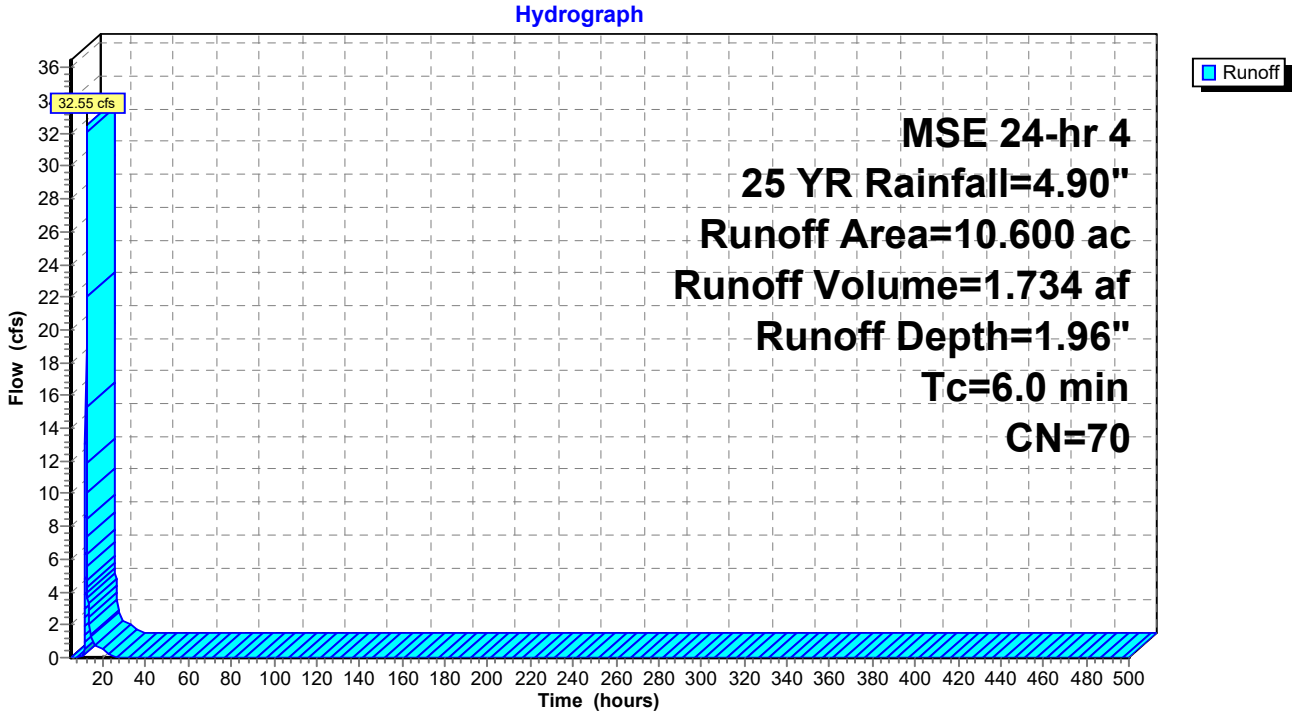
Runoff = 32.55 cfs @ 12.14 hrs, Volume= 1.734 af, Depth= 1.96"
Routed to Pond P3A : Pond 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	1.970	98	Impervious
*	6.570	61	Post - B Soils
*	2.060	74	Post - C Soils
	10.600	70	Weighted Average
	8.630		81.42% Pervious Area
	1.970		18.58% Impervious Area

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

Subcatchment 3A: Post 3A



Hydrograph for Subcatchment 3A: Post 3A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	1.96	0.00
10.00	0.78	0.00	**0.00**	265.00	4.90	1.96	0.00
15.00	4.31	1.54	**1.28**	270.00	4.90	1.96	0.00
20.00	**4.74**	**1.85**	0.48	275.00	4.90	1.96	0.00
25.00	**4.90**	**1.96**	0.00	280.00	4.90	1.96	0.00
30.00	4.90	1.96	0.00	285.00	4.90	1.96	0.00
35.00	4.90	1.96	0.00	290.00	4.90	1.96	0.00
40.00	4.90	1.96	0.00	295.00	4.90	1.96	0.00
45.00	4.90	1.96	0.00	300.00	4.90	1.96	0.00
50.00	4.90	1.96	0.00	305.00	4.90	1.96	0.00
55.00	4.90	1.96	0.00	310.00	4.90	1.96	0.00
60.00	4.90	1.96	0.00	315.00	4.90	1.96	0.00
65.00	4.90	1.96	0.00	320.00	4.90	1.96	0.00
70.00	4.90	1.96	0.00	325.00	4.90	1.96	0.00
75.00	4.90	1.96	0.00	330.00	4.90	1.96	0.00
80.00	4.90	1.96	0.00	335.00	4.90	1.96	0.00
85.00	4.90	1.96	0.00	340.00	4.90	1.96	0.00
90.00	4.90	1.96	0.00	345.00	4.90	1.96	0.00
95.00	4.90	1.96	0.00	350.00	4.90	1.96	0.00
100.00	4.90	1.96	0.00	355.00	4.90	1.96	0.00
105.00	4.90	1.96	0.00	360.00	4.90	1.96	0.00
110.00	4.90	1.96	0.00	365.00	4.90	1.96	0.00
115.00	4.90	1.96	0.00	370.00	4.90	1.96	0.00
120.00	4.90	1.96	0.00	375.00	4.90	1.96	0.00
125.00	4.90	1.96	0.00	380.00	4.90	1.96	0.00
130.00	4.90	1.96	0.00	385.00	4.90	1.96	0.00
135.00	4.90	1.96	0.00	390.00	4.90	1.96	0.00
140.00	4.90	1.96	0.00	395.00	4.90	1.96	0.00
145.00	4.90	1.96	0.00	400.00	4.90	1.96	0.00
150.00	4.90	1.96	0.00	405.00	4.90	1.96	0.00
155.00	4.90	1.96	0.00	410.00	4.90	1.96	0.00
160.00	4.90	1.96	0.00	415.00	4.90	1.96	0.00
165.00	4.90	1.96	0.00	420.00	4.90	1.96	0.00
170.00	4.90	1.96	0.00	425.00	4.90	1.96	0.00
175.00	4.90	1.96	0.00	430.00	4.90	1.96	0.00
180.00	4.90	1.96	0.00	435.00	4.90	1.96	0.00
185.00	4.90	1.96	0.00	440.00	4.90	1.96	0.00
190.00	4.90	1.96	0.00	445.00	4.90	1.96	0.00
195.00	4.90	1.96	0.00	450.00	4.90	1.96	0.00
200.00	4.90	1.96	0.00	455.00	4.90	1.96	0.00
205.00	4.90	1.96	0.00	460.00	4.90	1.96	0.00
210.00	4.90	1.96	0.00	465.00	4.90	1.96	0.00
215.00	4.90	1.96	0.00	470.00	4.90	1.96	0.00
220.00	4.90	1.96	0.00	475.00	4.90	1.96	0.00
225.00	4.90	1.96	0.00	480.00	4.90	1.96	0.00
230.00	4.90	1.96	0.00	485.00	4.90	1.96	0.00
235.00	4.90	1.96	0.00	490.00	4.90	1.96	0.00
240.00	4.90	1.96	0.00	495.00	4.90	1.96	0.00
245.00	4.90	1.96	0.00	500.00	4.90	1.96	0.00
250.00	4.90	1.96	0.00				
255.00	4.90	1.96	0.00				

Summary for Subcatchment 3B: Post 3B

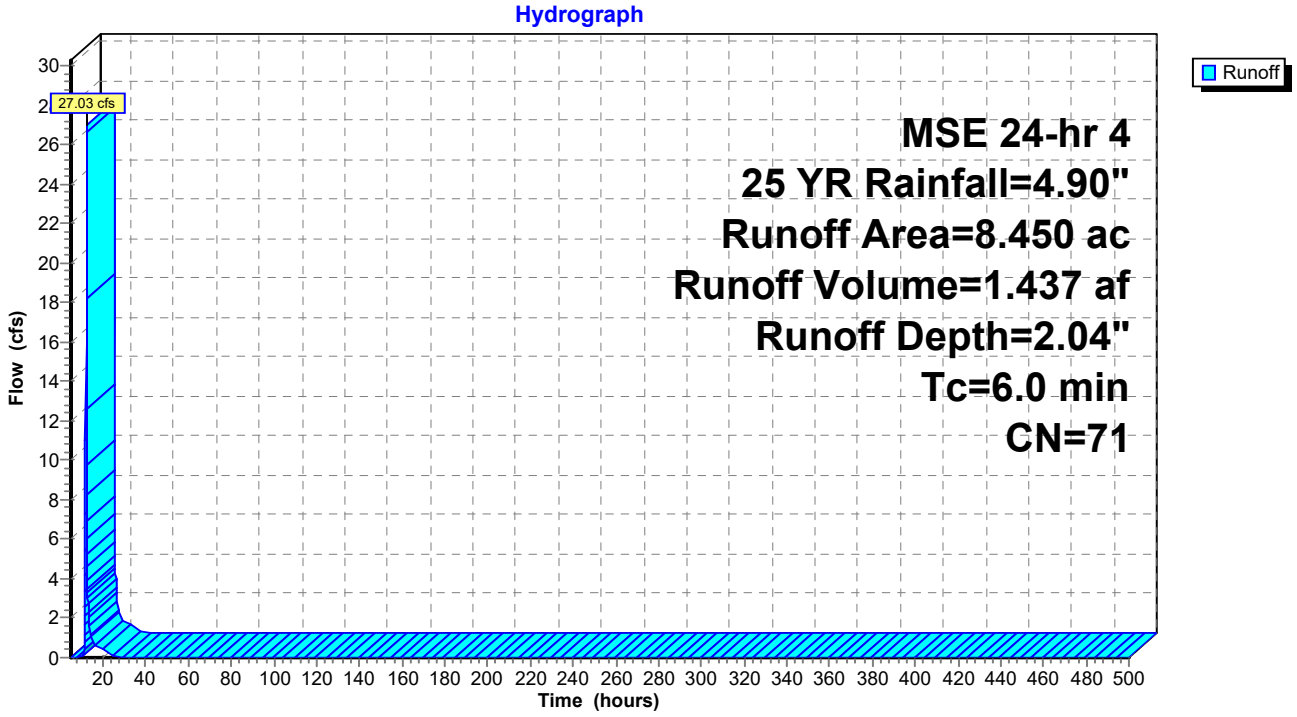
Runoff = 27.03 cfs @ 12.14 hrs, Volume= 1.437 af, Depth= 2.04"
Routed to Pond P3B : Pond 3B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	1.680	98	Impervious
*	5.290	61	Post - B Soils
*	1.480	74	Post - C Soils
	8.450	71	Weighted Average
	6.770		80.12% Pervious Area
	1.680		19.88% Impervious Area

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

Subcatchment 3B: Post 3B



Hydrograph for Subcatchment 3B: Post 3B

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00
10.00	0.78	0.00	**0.00**
15.00	4.31	1.61	**1.05**
20.00	**4.74**	**1.92**	0.39
25.00	**4.90**	**2.04**	0.00
30.00	4.90	2.04	0.00
35.00	4.90	2.04	0.00
40.00	4.90	2.04	0.00
45.00	4.90	2.04	0.00
50.00	4.90	2.04	0.00
55.00	4.90	2.04	0.00
60.00	4.90	2.04	0.00
65.00	4.90	2.04	0.00
70.00	4.90	2.04	0.00
75.00	4.90	2.04	0.00
80.00	4.90	2.04	0.00
85.00	4.90	2.04	0.00
90.00	4.90	2.04	0.00
95.00	4.90	2.04	0.00
100.00	4.90	2.04	0.00
105.00	4.90	2.04	0.00
110.00	4.90	2.04	0.00
115.00	4.90	2.04	0.00
120.00	4.90	2.04	0.00
125.00	4.90	2.04	0.00
130.00	4.90	2.04	0.00
135.00	4.90	2.04	0.00
140.00	4.90	2.04	0.00
145.00	4.90	2.04	0.00
150.00	4.90	2.04	0.00
155.00	4.90	2.04	0.00
160.00	4.90	2.04	0.00
165.00	4.90	2.04	0.00
170.00	4.90	2.04	0.00
175.00	4.90	2.04	0.00
180.00	4.90	2.04	0.00
185.00	4.90	2.04	0.00
190.00	4.90	2.04	0.00
195.00	4.90	2.04	0.00
200.00	4.90	2.04	0.00
205.00	4.90	2.04	0.00
210.00	4.90	2.04	0.00
215.00	4.90	2.04	0.00
220.00	4.90	2.04	0.00
225.00	4.90	2.04	0.00
230.00	4.90	2.04	0.00
235.00	4.90	2.04	0.00
240.00	4.90	2.04	0.00
245.00	4.90	2.04	0.00
250.00	4.90	2.04	0.00
255.00	4.90	2.04	0.00
260.00	4.90	2.04	0.00
265.00	4.90	2.04	0.00
270.00	4.90	2.04	0.00
275.00	4.90	2.04	0.00
280.00	4.90	2.04	0.00
285.00	4.90	2.04	0.00
290.00	4.90	2.04	0.00
295.00	4.90	2.04	0.00
300.00	4.90	2.04	0.00
305.00	4.90	2.04	0.00
310.00	4.90	2.04	0.00
315.00	4.90	2.04	0.00
320.00	4.90	2.04	0.00
325.00	4.90	2.04	0.00
330.00	4.90	2.04	0.00
335.00	4.90	2.04	0.00
340.00	4.90	2.04	0.00
345.00	4.90	2.04	0.00
350.00	4.90	2.04	0.00
355.00	4.90	2.04	0.00
360.00	4.90	2.04	0.00
365.00	4.90	2.04	0.00
370.00	4.90	2.04	0.00
375.00	4.90	2.04	0.00
380.00	4.90	2.04	0.00
385.00	4.90	2.04	0.00
390.00	4.90	2.04	0.00
395.00	4.90	2.04	0.00
400.00	4.90	2.04	0.00
405.00	4.90	2.04	0.00
410.00	4.90	2.04	0.00
415.00	4.90	2.04	0.00
420.00	4.90	2.04	0.00
425.00	4.90	2.04	0.00
430.00	4.90	2.04	0.00
435.00	4.90	2.04	0.00
440.00	4.90	2.04	0.00
445.00	4.90	2.04	0.00
450.00	4.90	2.04	0.00
455.00	4.90	2.04	0.00
460.00	4.90	2.04	0.00
465.00	4.90	2.04	0.00
470.00	4.90	2.04	0.00
475.00	4.90	2.04	0.00
480.00	4.90	2.04	0.00
485.00	4.90	2.04	0.00
490.00	4.90	2.04	0.00
495.00	4.90	2.04	0.00
500.00	4.90	2.04	0.00

Summary for Subcatchment 3C: Post 3C

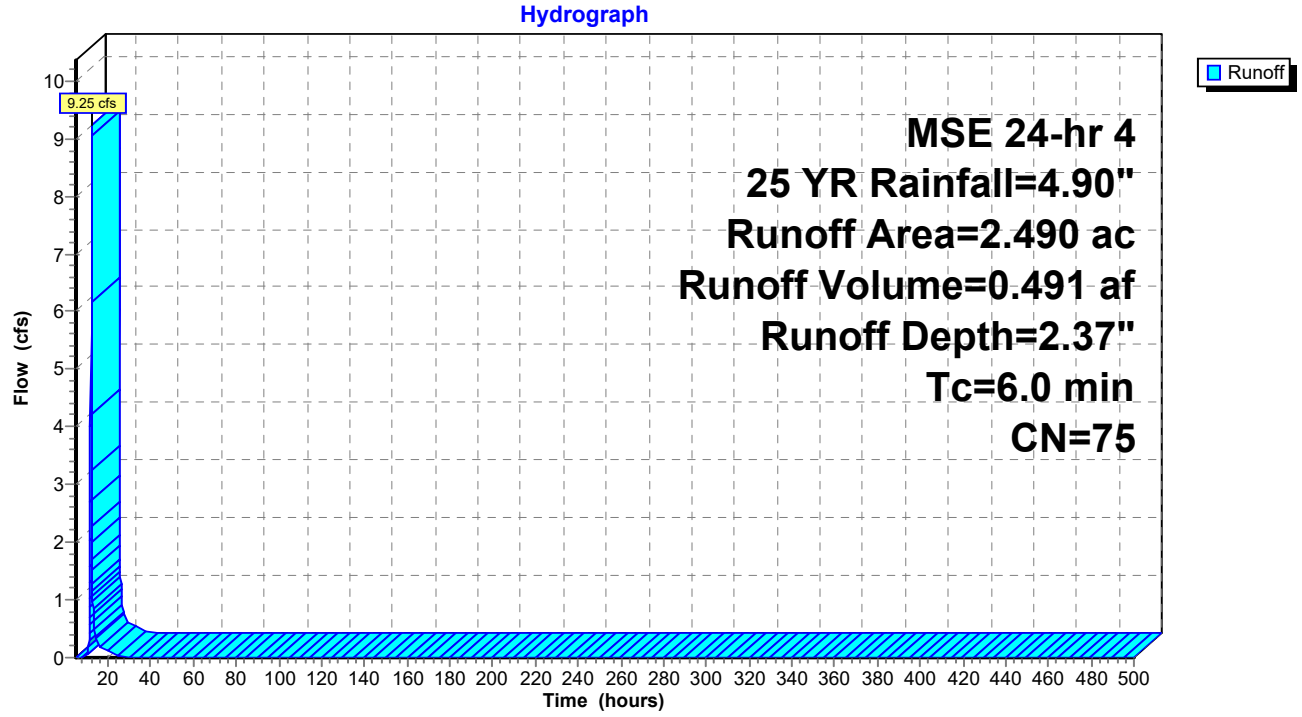
Runoff = 9.25 cfs @ 12.13 hrs, Volume= 0.491 af, Depth= 2.37"
Routed to Pond P3C : Pond 3C

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.800	61	Post - B Soils
*	1.120	74	Post - C Soils
	2.490	75	Weighted Average
	1.920		77.11% Pervious Area
	0.570		22.89% Impervious Area

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

Subcatchment 3C: Post 3C



Hydrograph for Subcatchment 3C: Post 3C

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	2.37	0.00
10.00	0.78	0.00	**0.03**	265.00	4.90	2.37	0.00
15.00	4.31	1.90	**0.34**	270.00	4.90	2.37	0.00
20.00	**4.74**	**2.24**	0.12	275.00	4.90	2.37	0.00
25.00	**4.90**	**2.37**	0.00	280.00	4.90	2.37	0.00
30.00	4.90	2.37	0.00	285.00	4.90	2.37	0.00
35.00	4.90	2.37	0.00	290.00	4.90	2.37	0.00
40.00	4.90	2.37	0.00	295.00	4.90	2.37	0.00
45.00	4.90	2.37	0.00	300.00	4.90	2.37	0.00
50.00	4.90	2.37	0.00	305.00	4.90	2.37	0.00
55.00	4.90	2.37	0.00	310.00	4.90	2.37	0.00
60.00	4.90	2.37	0.00	315.00	4.90	2.37	0.00
65.00	4.90	2.37	0.00	320.00	4.90	2.37	0.00
70.00	4.90	2.37	0.00	325.00	4.90	2.37	0.00
75.00	4.90	2.37	0.00	330.00	4.90	2.37	0.00
80.00	4.90	2.37	0.00	335.00	4.90	2.37	0.00
85.00	4.90	2.37	0.00	340.00	4.90	2.37	0.00
90.00	4.90	2.37	0.00	345.00	4.90	2.37	0.00
95.00	4.90	2.37	0.00	350.00	4.90	2.37	0.00
100.00	4.90	2.37	0.00	355.00	4.90	2.37	0.00
105.00	4.90	2.37	0.00	360.00	4.90	2.37	0.00
110.00	4.90	2.37	0.00	365.00	4.90	2.37	0.00
115.00	4.90	2.37	0.00	370.00	4.90	2.37	0.00
120.00	4.90	2.37	0.00	375.00	4.90	2.37	0.00
125.00	4.90	2.37	0.00	380.00	4.90	2.37	0.00
130.00	4.90	2.37	0.00	385.00	4.90	2.37	0.00
135.00	4.90	2.37	0.00	390.00	4.90	2.37	0.00
140.00	4.90	2.37	0.00	395.00	4.90	2.37	0.00
145.00	4.90	2.37	0.00	400.00	4.90	2.37	0.00
150.00	4.90	2.37	0.00	405.00	4.90	2.37	0.00
155.00	4.90	2.37	0.00	410.00	4.90	2.37	0.00
160.00	4.90	2.37	0.00	415.00	4.90	2.37	0.00
165.00	4.90	2.37	0.00	420.00	4.90	2.37	0.00
170.00	4.90	2.37	0.00	425.00	4.90	2.37	0.00
175.00	4.90	2.37	0.00	430.00	4.90	2.37	0.00
180.00	4.90	2.37	0.00	435.00	4.90	2.37	0.00
185.00	4.90	2.37	0.00	440.00	4.90	2.37	0.00
190.00	4.90	2.37	0.00	445.00	4.90	2.37	0.00
195.00	4.90	2.37	0.00	450.00	4.90	2.37	0.00
200.00	4.90	2.37	0.00	455.00	4.90	2.37	0.00
205.00	4.90	2.37	0.00	460.00	4.90	2.37	0.00
210.00	4.90	2.37	0.00	465.00	4.90	2.37	0.00
215.00	4.90	2.37	0.00	470.00	4.90	2.37	0.00
220.00	4.90	2.37	0.00	475.00	4.90	2.37	0.00
225.00	4.90	2.37	0.00	480.00	4.90	2.37	0.00
230.00	4.90	2.37	0.00	485.00	4.90	2.37	0.00
235.00	4.90	2.37	0.00	490.00	4.90	2.37	0.00
240.00	4.90	2.37	0.00	495.00	4.90	2.37	0.00
245.00	4.90	2.37	0.00	500.00	4.90	2.37	0.00
250.00	4.90	2.37	0.00				
255.00	4.90	2.37	0.00				

Summary for Subcatchment 3D: Post 3D

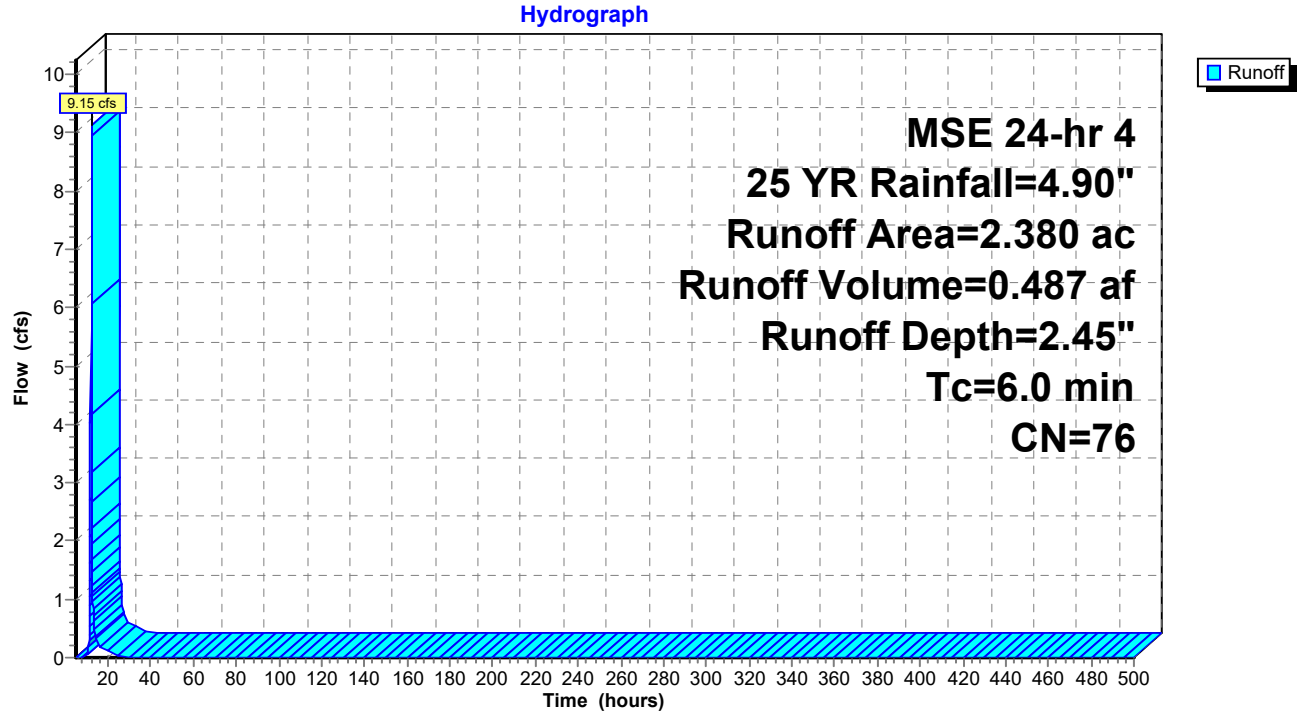
Runoff = 9.15 cfs @ 12.13 hrs, Volume= 0.487 af, Depth= 2.45"
Routed to Pond P3D : Pond 3D

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.610	61	Post - B Soils
*	1.200	74	Post - C Soils
	2.380	76	Weighted Average
	1.810		76.05% Pervious Area
	0.570		23.95% Impervious Area

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

Subcatchment 3D: Post 3D



Hydrograph for Subcatchment 3D: Post 3D

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	2.45	0.00
10.00	0.78	0.01	**0.03**	265.00	4.90	2.45	0.00
15.00	4.31	1.98	**0.33**	270.00	4.90	2.45	0.00
20.00	**4.74**	**2.32**	0.12	275.00	4.90	2.45	0.00
25.00	**4.90**	**2.45**	0.00	280.00	4.90	2.45	0.00
30.00	4.90	2.45	0.00	285.00	4.90	2.45	0.00
35.00	4.90	2.45	0.00	290.00	4.90	2.45	0.00
40.00	4.90	2.45	0.00	295.00	4.90	2.45	0.00
45.00	4.90	2.45	0.00	300.00	4.90	2.45	0.00
50.00	4.90	2.45	0.00	305.00	4.90	2.45	0.00
55.00	4.90	2.45	0.00	310.00	4.90	2.45	0.00
60.00	4.90	2.45	0.00	315.00	4.90	2.45	0.00
65.00	4.90	2.45	0.00	320.00	4.90	2.45	0.00
70.00	4.90	2.45	0.00	325.00	4.90	2.45	0.00
75.00	4.90	2.45	0.00	330.00	4.90	2.45	0.00
80.00	4.90	2.45	0.00	335.00	4.90	2.45	0.00
85.00	4.90	2.45	0.00	340.00	4.90	2.45	0.00
90.00	4.90	2.45	0.00	345.00	4.90	2.45	0.00
95.00	4.90	2.45	0.00	350.00	4.90	2.45	0.00
100.00	4.90	2.45	0.00	355.00	4.90	2.45	0.00
105.00	4.90	2.45	0.00	360.00	4.90	2.45	0.00
110.00	4.90	2.45	0.00	365.00	4.90	2.45	0.00
115.00	4.90	2.45	0.00	370.00	4.90	2.45	0.00
120.00	4.90	2.45	0.00	375.00	4.90	2.45	0.00
125.00	4.90	2.45	0.00	380.00	4.90	2.45	0.00
130.00	4.90	2.45	0.00	385.00	4.90	2.45	0.00
135.00	4.90	2.45	0.00	390.00	4.90	2.45	0.00
140.00	4.90	2.45	0.00	395.00	4.90	2.45	0.00
145.00	4.90	2.45	0.00	400.00	4.90	2.45	0.00
150.00	4.90	2.45	0.00	405.00	4.90	2.45	0.00
155.00	4.90	2.45	0.00	410.00	4.90	2.45	0.00
160.00	4.90	2.45	0.00	415.00	4.90	2.45	0.00
165.00	4.90	2.45	0.00	420.00	4.90	2.45	0.00
170.00	4.90	2.45	0.00	425.00	4.90	2.45	0.00
175.00	4.90	2.45	0.00	430.00	4.90	2.45	0.00
180.00	4.90	2.45	0.00	435.00	4.90	2.45	0.00
185.00	4.90	2.45	0.00	440.00	4.90	2.45	0.00
190.00	4.90	2.45	0.00	445.00	4.90	2.45	0.00
195.00	4.90	2.45	0.00	450.00	4.90	2.45	0.00
200.00	4.90	2.45	0.00	455.00	4.90	2.45	0.00
205.00	4.90	2.45	0.00	460.00	4.90	2.45	0.00
210.00	4.90	2.45	0.00	465.00	4.90	2.45	0.00
215.00	4.90	2.45	0.00	470.00	4.90	2.45	0.00
220.00	4.90	2.45	0.00	475.00	4.90	2.45	0.00
225.00	4.90	2.45	0.00	480.00	4.90	2.45	0.00
230.00	4.90	2.45	0.00	485.00	4.90	2.45	0.00
235.00	4.90	2.45	0.00	490.00	4.90	2.45	0.00
240.00	4.90	2.45	0.00	495.00	4.90	2.45	0.00
245.00	4.90	2.45	0.00	500.00	4.90	2.45	0.00
250.00	4.90	2.45	0.00				
255.00	4.90	2.45	0.00				

Summary for Subcatchment 3E: Post 3E

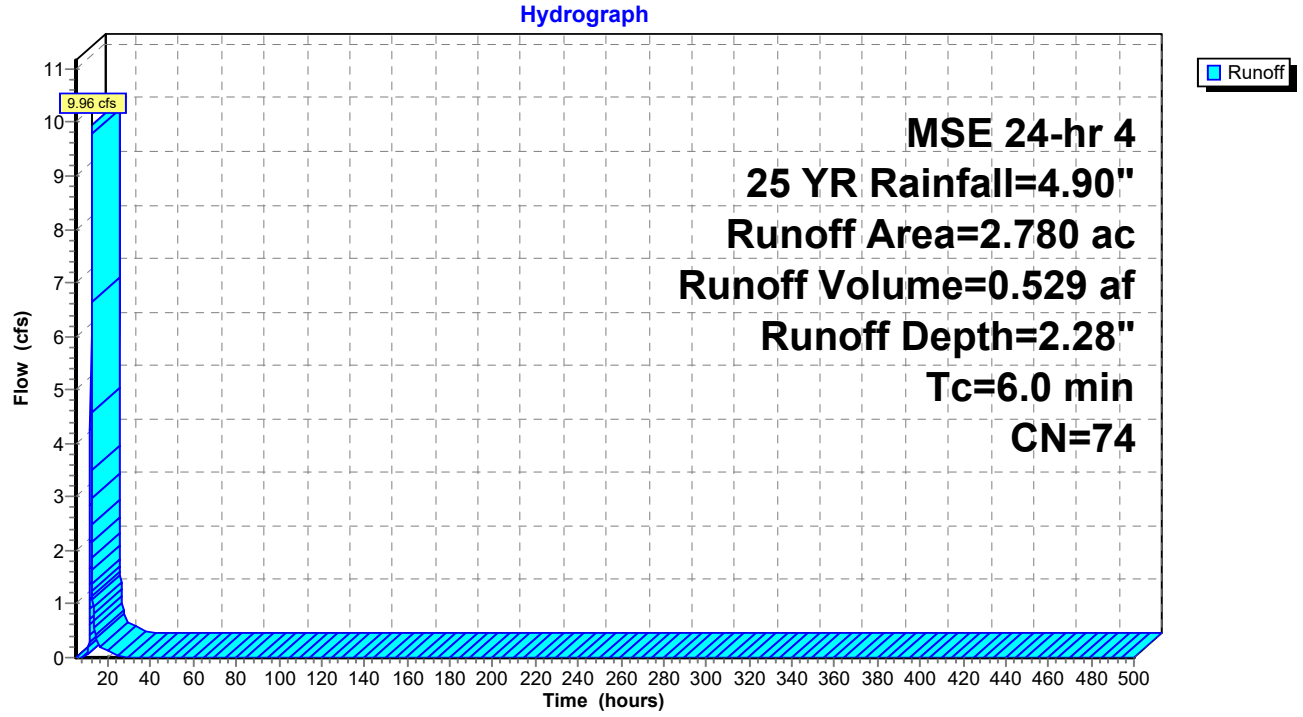
Runoff = 9.96 cfs @ 12.13 hrs, Volume= 0.529 af, Depth= 2.28"
Routed to Pond P3E : Pond 3E

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	0.530	98	Impervious
*	0.920	61	Post - B Soils
*	1.330	74	Post - C Soils
	2.780	74	Weighted Average
	2.250		80.94% Pervious Area
	0.530		19.06% Impervious Area

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

Subcatchment 3E: Post 3E



Hydrograph for Subcatchment 3E: Post 3E

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00
10.00	0.78	0.00	**0.02**
15.00	4.31	1.83	**0.37**
20.00	**4.74**	**2.16**	0.14
25.00	**4.90**	**2.28**	0.00
30.00	4.90	2.28	0.00
35.00	4.90	2.28	0.00
40.00	4.90	2.28	0.00
45.00	4.90	2.28	0.00
50.00	4.90	2.28	0.00
55.00	4.90	2.28	0.00
60.00	4.90	2.28	0.00
65.00	4.90	2.28	0.00
70.00	4.90	2.28	0.00
75.00	4.90	2.28	0.00
80.00	4.90	2.28	0.00
85.00	4.90	2.28	0.00
90.00	4.90	2.28	0.00
95.00	4.90	2.28	0.00
100.00	4.90	2.28	0.00
105.00	4.90	2.28	0.00
110.00	4.90	2.28	0.00
115.00	4.90	2.28	0.00
120.00	4.90	2.28	0.00
125.00	4.90	2.28	0.00
130.00	4.90	2.28	0.00
135.00	4.90	2.28	0.00
140.00	4.90	2.28	0.00
145.00	4.90	2.28	0.00
150.00	4.90	2.28	0.00
155.00	4.90	2.28	0.00
160.00	4.90	2.28	0.00
165.00	4.90	2.28	0.00
170.00	4.90	2.28	0.00
175.00	4.90	2.28	0.00
180.00	4.90	2.28	0.00
185.00	4.90	2.28	0.00
190.00	4.90	2.28	0.00
195.00	4.90	2.28	0.00
200.00	4.90	2.28	0.00
205.00	4.90	2.28	0.00
210.00	4.90	2.28	0.00
215.00	4.90	2.28	0.00
220.00	4.90	2.28	0.00
225.00	4.90	2.28	0.00
230.00	4.90	2.28	0.00
235.00	4.90	2.28	0.00
240.00	4.90	2.28	0.00
245.00	4.90	2.28	0.00
250.00	4.90	2.28	0.00
255.00	4.90	2.28	0.00
260.00	4.90	2.28	0.00
265.00	4.90	2.28	0.00
270.00	4.90	2.28	0.00
275.00	4.90	2.28	0.00
280.00	4.90	2.28	0.00
285.00	4.90	2.28	0.00
290.00	4.90	2.28	0.00
295.00	4.90	2.28	0.00
300.00	4.90	2.28	0.00
305.00	4.90	2.28	0.00
310.00	4.90	2.28	0.00
315.00	4.90	2.28	0.00
320.00	4.90	2.28	0.00
325.00	4.90	2.28	0.00
330.00	4.90	2.28	0.00
335.00	4.90	2.28	0.00
340.00	4.90	2.28	0.00
345.00	4.90	2.28	0.00
350.00	4.90	2.28	0.00
355.00	4.90	2.28	0.00
360.00	4.90	2.28	0.00
365.00	4.90	2.28	0.00
370.00	4.90	2.28	0.00
375.00	4.90	2.28	0.00
380.00	4.90	2.28	0.00
385.00	4.90	2.28	0.00
390.00	4.90	2.28	0.00
395.00	4.90	2.28	0.00
400.00	4.90	2.28	0.00
405.00	4.90	2.28	0.00
410.00	4.90	2.28	0.00
415.00	4.90	2.28	0.00
420.00	4.90	2.28	0.00
425.00	4.90	2.28	0.00
430.00	4.90	2.28	0.00
435.00	4.90	2.28	0.00
440.00	4.90	2.28	0.00
445.00	4.90	2.28	0.00
450.00	4.90	2.28	0.00
455.00	4.90	2.28	0.00
460.00	4.90	2.28	0.00
465.00	4.90	2.28	0.00
470.00	4.90	2.28	0.00
475.00	4.90	2.28	0.00
480.00	4.90	2.28	0.00
485.00	4.90	2.28	0.00
490.00	4.90	2.28	0.00
495.00	4.90	2.28	0.00
500.00	4.90	2.28	0.00

Summary for Subcatchment 3Y: Post 3Y - Offsite

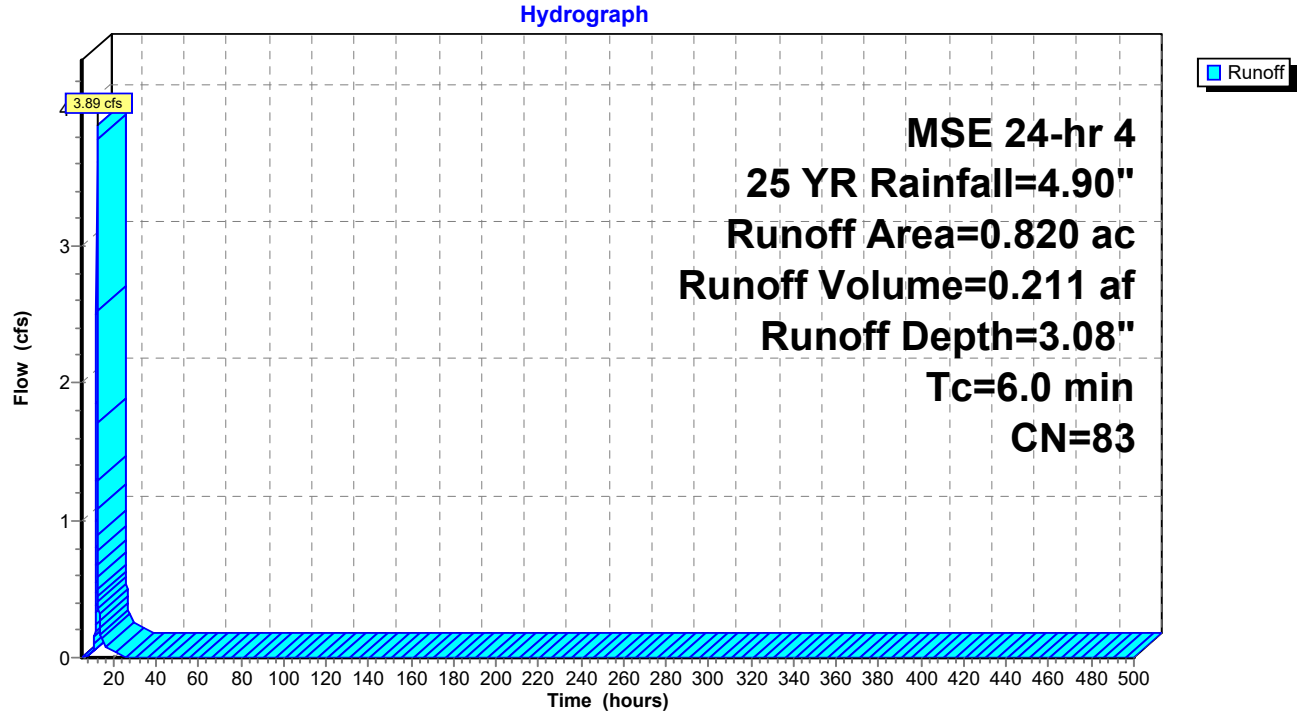
Runoff = 3.89 cfs @ 12.13 hrs, Volume= 0.211 af, Depth= 3.08"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	0.300	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.820	83	Weighted Average
	0.520		63.41% Pervious Area
	0.300		36.59% Impervious Area

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

Subcatchment 3Y: Post 3Y - Offsite



Hydrograph for Subcatchment 3Y: Post 3Y - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00
10.00	0.78	0.06	**0.04**
15.00	4.31	2.55	**0.13**
20.00	**4.74**	**2.94**	0.05
25.00	**4.90**	**3.08**	0.00
30.00	4.90	3.08	0.00
35.00	4.90	3.08	0.00
40.00	4.90	3.08	0.00
45.00	4.90	3.08	0.00
50.00	4.90	3.08	0.00
55.00	4.90	3.08	0.00
60.00	4.90	3.08	0.00
65.00	4.90	3.08	0.00
70.00	4.90	3.08	0.00
75.00	4.90	3.08	0.00
80.00	4.90	3.08	0.00
85.00	4.90	3.08	0.00
90.00	4.90	3.08	0.00
95.00	4.90	3.08	0.00
100.00	4.90	3.08	0.00
105.00	4.90	3.08	0.00
110.00	4.90	3.08	0.00
115.00	4.90	3.08	0.00
120.00	4.90	3.08	0.00
125.00	4.90	3.08	0.00
130.00	4.90	3.08	0.00
135.00	4.90	3.08	0.00
140.00	4.90	3.08	0.00
145.00	4.90	3.08	0.00
150.00	4.90	3.08	0.00
155.00	4.90	3.08	0.00
160.00	4.90	3.08	0.00
165.00	4.90	3.08	0.00
170.00	4.90	3.08	0.00
175.00	4.90	3.08	0.00
180.00	4.90	3.08	0.00
185.00	4.90	3.08	0.00
190.00	4.90	3.08	0.00
195.00	4.90	3.08	0.00
200.00	4.90	3.08	0.00
205.00	4.90	3.08	0.00
210.00	4.90	3.08	0.00
215.00	4.90	3.08	0.00
220.00	4.90	3.08	0.00
225.00	4.90	3.08	0.00
230.00	4.90	3.08	0.00
235.00	4.90	3.08	0.00
240.00	4.90	3.08	0.00
245.00	4.90	3.08	0.00
250.00	4.90	3.08	0.00
255.00	4.90	3.08	0.00
260.00	4.90	3.08	0.00
265.00	4.90	3.08	0.00
270.00	4.90	3.08	0.00
275.00	4.90	3.08	0.00
280.00	4.90	3.08	0.00
285.00	4.90	3.08	0.00
290.00	4.90	3.08	0.00
295.00	4.90	3.08	0.00
300.00	4.90	3.08	0.00
305.00	4.90	3.08	0.00
310.00	4.90	3.08	0.00
315.00	4.90	3.08	0.00
320.00	4.90	3.08	0.00
325.00	4.90	3.08	0.00
330.00	4.90	3.08	0.00
335.00	4.90	3.08	0.00
340.00	4.90	3.08	0.00
345.00	4.90	3.08	0.00
350.00	4.90	3.08	0.00
355.00	4.90	3.08	0.00
360.00	4.90	3.08	0.00
365.00	4.90	3.08	0.00
370.00	4.90	3.08	0.00
375.00	4.90	3.08	0.00
380.00	4.90	3.08	0.00
385.00	4.90	3.08	0.00
390.00	4.90	3.08	0.00
395.00	4.90	3.08	0.00
400.00	4.90	3.08	0.00
405.00	4.90	3.08	0.00
410.00	4.90	3.08	0.00
415.00	4.90	3.08	0.00
420.00	4.90	3.08	0.00
425.00	4.90	3.08	0.00
430.00	4.90	3.08	0.00
435.00	4.90	3.08	0.00
440.00	4.90	3.08	0.00
445.00	4.90	3.08	0.00
450.00	4.90	3.08	0.00
455.00	4.90	3.08	0.00
460.00	4.90	3.08	0.00
465.00	4.90	3.08	0.00
470.00	4.90	3.08	0.00
475.00	4.90	3.08	0.00
480.00	4.90	3.08	0.00
485.00	4.90	3.08	0.00
490.00	4.90	3.08	0.00
495.00	4.90	3.08	0.00
500.00	4.90	3.08	0.00

Summary for Subcatchment 3Z: Post 3Z - Offsite

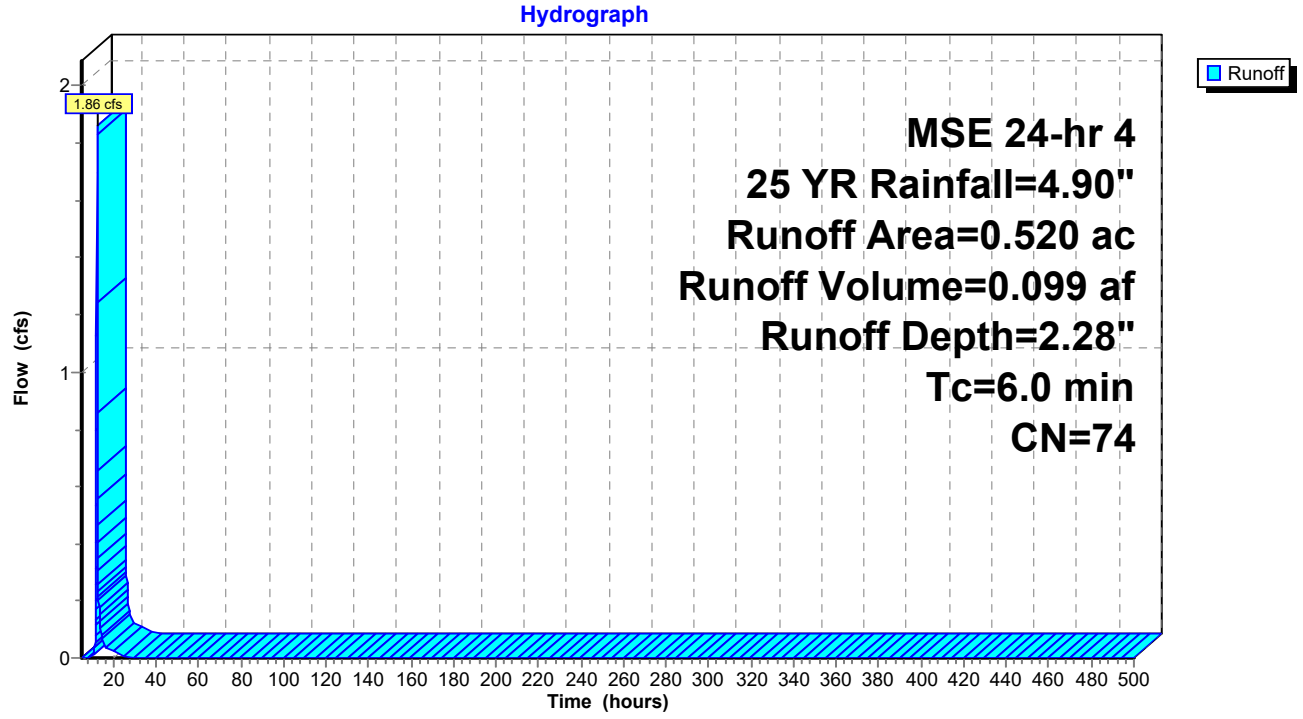
Runoff = 1.86 cfs @ 12.13 hrs, Volume= 0.099 af, Depth= 2.28"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (ac)	CN	Description
*	0.000	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.520	74	Weighted Average
	0.520		100.00% Pervious Area

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

Subcatchment 3Z: Post 3Z - Offsite



Hydrograph for Subcatchment 3Z: Post 3Z - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	2.28	0.00
10.00	0.78	0.00	**0.00**	265.00	4.90	2.28	0.00
15.00	4.31	1.83	**0.07**	270.00	4.90	2.28	0.00
20.00	**4.74**	**2.16**	0.03	275.00	4.90	2.28	0.00
25.00	**4.90**	**2.28**	0.00	280.00	4.90	2.28	0.00
30.00	4.90	2.28	0.00	285.00	4.90	2.28	0.00
35.00	4.90	2.28	0.00	290.00	4.90	2.28	0.00
40.00	4.90	2.28	0.00	295.00	4.90	2.28	0.00
45.00	4.90	2.28	0.00	300.00	4.90	2.28	0.00
50.00	4.90	2.28	0.00	305.00	4.90	2.28	0.00
55.00	4.90	2.28	0.00	310.00	4.90	2.28	0.00
60.00	4.90	2.28	0.00	315.00	4.90	2.28	0.00
65.00	4.90	2.28	0.00	320.00	4.90	2.28	0.00
70.00	4.90	2.28	0.00	325.00	4.90	2.28	0.00
75.00	4.90	2.28	0.00	330.00	4.90	2.28	0.00
80.00	4.90	2.28	0.00	335.00	4.90	2.28	0.00
85.00	4.90	2.28	0.00	340.00	4.90	2.28	0.00
90.00	4.90	2.28	0.00	345.00	4.90	2.28	0.00
95.00	4.90	2.28	0.00	350.00	4.90	2.28	0.00
100.00	4.90	2.28	0.00	355.00	4.90	2.28	0.00
105.00	4.90	2.28	0.00	360.00	4.90	2.28	0.00
110.00	4.90	2.28	0.00	365.00	4.90	2.28	0.00
115.00	4.90	2.28	0.00	370.00	4.90	2.28	0.00
120.00	4.90	2.28	0.00	375.00	4.90	2.28	0.00
125.00	4.90	2.28	0.00	380.00	4.90	2.28	0.00
130.00	4.90	2.28	0.00	385.00	4.90	2.28	0.00
135.00	4.90	2.28	0.00	390.00	4.90	2.28	0.00
140.00	4.90	2.28	0.00	395.00	4.90	2.28	0.00
145.00	4.90	2.28	0.00	400.00	4.90	2.28	0.00
150.00	4.90	2.28	0.00	405.00	4.90	2.28	0.00
155.00	4.90	2.28	0.00	410.00	4.90	2.28	0.00
160.00	4.90	2.28	0.00	415.00	4.90	2.28	0.00
165.00	4.90	2.28	0.00	420.00	4.90	2.28	0.00
170.00	4.90	2.28	0.00	425.00	4.90	2.28	0.00
175.00	4.90	2.28	0.00	430.00	4.90	2.28	0.00
180.00	4.90	2.28	0.00	435.00	4.90	2.28	0.00
185.00	4.90	2.28	0.00	440.00	4.90	2.28	0.00
190.00	4.90	2.28	0.00	445.00	4.90	2.28	0.00
195.00	4.90	2.28	0.00	450.00	4.90	2.28	0.00
200.00	4.90	2.28	0.00	455.00	4.90	2.28	0.00
205.00	4.90	2.28	0.00	460.00	4.90	2.28	0.00
210.00	4.90	2.28	0.00	465.00	4.90	2.28	0.00
215.00	4.90	2.28	0.00	470.00	4.90	2.28	0.00
220.00	4.90	2.28	0.00	475.00	4.90	2.28	0.00
225.00	4.90	2.28	0.00	480.00	4.90	2.28	0.00
230.00	4.90	2.28	0.00	485.00	4.90	2.28	0.00
235.00	4.90	2.28	0.00	490.00	4.90	2.28	0.00
240.00	4.90	2.28	0.00	495.00	4.90	2.28	0.00
245.00	4.90	2.28	0.00	500.00	4.90	2.28	0.00
250.00	4.90	2.28	0.00				
255.00	4.90	2.28	0.00				

Summary for Subcatchment 5S: Culvert 1

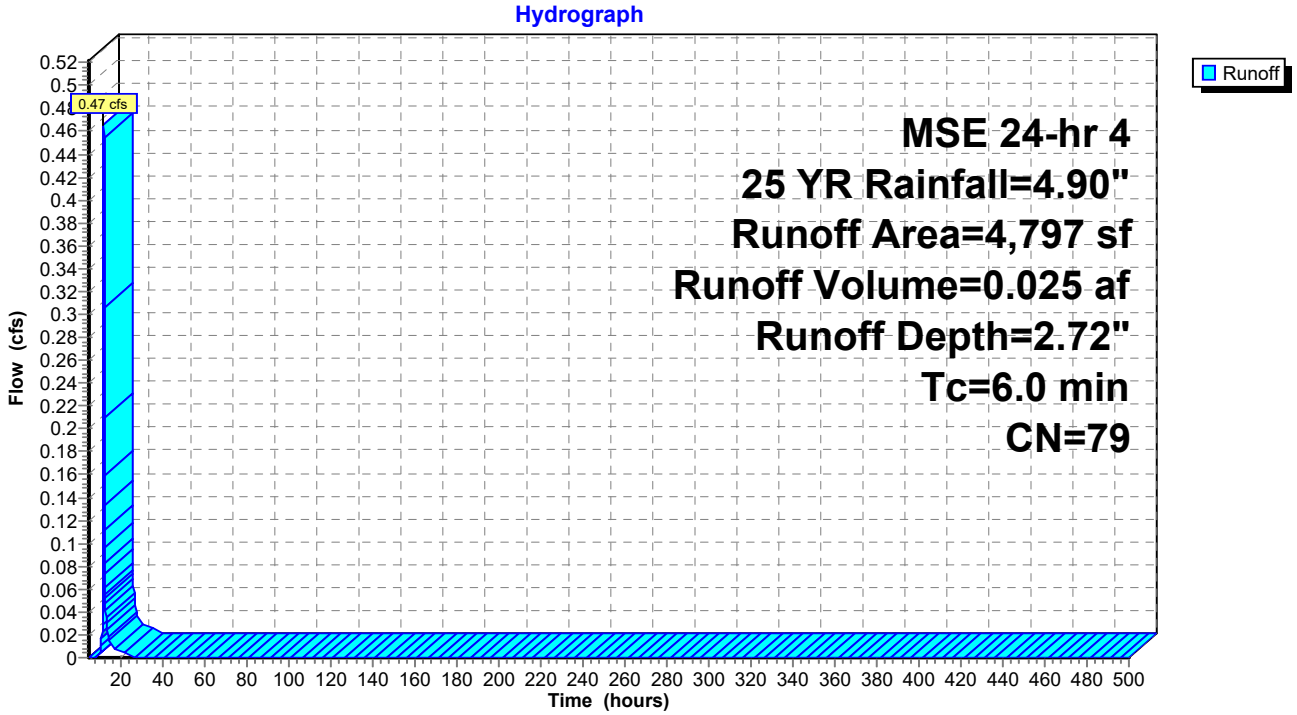
Runoff = 0.47 cfs @ 12.13 hrs, Volume= 0.025 af, Depth= 2.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (sf)	CN	Description
*	2,465	61	Post - B Soils
*	2,332	98	Impervious
	4,797	79	Weighted Average
	2,465		51.39% Pervious Area
	2,332		48.61% Impervious Area

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

Subcatchment 5S: Culvert 1



Hydrograph for Subcatchment 5S: Culvert 1

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	2.72	0.00
10.00	0.78	0.02	**0.00**	265.00	4.90	2.72	0.00
15.00	4.31	2.22	**0.02**	270.00	4.90	2.72	0.00
20.00	**4.74**	**2.58**	0.01	275.00	4.90	2.72	0.00
25.00	**4.90**	**2.72**	0.00	280.00	4.90	2.72	0.00
30.00	4.90	2.72	0.00	285.00	4.90	2.72	0.00
35.00	4.90	2.72	0.00	290.00	4.90	2.72	0.00
40.00	4.90	2.72	0.00	295.00	4.90	2.72	0.00
45.00	4.90	2.72	0.00	300.00	4.90	2.72	0.00
50.00	4.90	2.72	0.00	305.00	4.90	2.72	0.00
55.00	4.90	2.72	0.00	310.00	4.90	2.72	0.00
60.00	4.90	2.72	0.00	315.00	4.90	2.72	0.00
65.00	4.90	2.72	0.00	320.00	4.90	2.72	0.00
70.00	4.90	2.72	0.00	325.00	4.90	2.72	0.00
75.00	4.90	2.72	0.00	330.00	4.90	2.72	0.00
80.00	4.90	2.72	0.00	335.00	4.90	2.72	0.00
85.00	4.90	2.72	0.00	340.00	4.90	2.72	0.00
90.00	4.90	2.72	0.00	345.00	4.90	2.72	0.00
95.00	4.90	2.72	0.00	350.00	4.90	2.72	0.00
100.00	4.90	2.72	0.00	355.00	4.90	2.72	0.00
105.00	4.90	2.72	0.00	360.00	4.90	2.72	0.00
110.00	4.90	2.72	0.00	365.00	4.90	2.72	0.00
115.00	4.90	2.72	0.00	370.00	4.90	2.72	0.00
120.00	4.90	2.72	0.00	375.00	4.90	2.72	0.00
125.00	4.90	2.72	0.00	380.00	4.90	2.72	0.00
130.00	4.90	2.72	0.00	385.00	4.90	2.72	0.00
135.00	4.90	2.72	0.00	390.00	4.90	2.72	0.00
140.00	4.90	2.72	0.00	395.00	4.90	2.72	0.00
145.00	4.90	2.72	0.00	400.00	4.90	2.72	0.00
150.00	4.90	2.72	0.00	405.00	4.90	2.72	0.00
155.00	4.90	2.72	0.00	410.00	4.90	2.72	0.00
160.00	4.90	2.72	0.00	415.00	4.90	2.72	0.00
165.00	4.90	2.72	0.00	420.00	4.90	2.72	0.00
170.00	4.90	2.72	0.00	425.00	4.90	2.72	0.00
175.00	4.90	2.72	0.00	430.00	4.90	2.72	0.00
180.00	4.90	2.72	0.00	435.00	4.90	2.72	0.00
185.00	4.90	2.72	0.00	440.00	4.90	2.72	0.00
190.00	4.90	2.72	0.00	445.00	4.90	2.72	0.00
195.00	4.90	2.72	0.00	450.00	4.90	2.72	0.00
200.00	4.90	2.72	0.00	455.00	4.90	2.72	0.00
205.00	4.90	2.72	0.00	460.00	4.90	2.72	0.00
210.00	4.90	2.72	0.00	465.00	4.90	2.72	0.00
215.00	4.90	2.72	0.00	470.00	4.90	2.72	0.00
220.00	4.90	2.72	0.00	475.00	4.90	2.72	0.00
225.00	4.90	2.72	0.00	480.00	4.90	2.72	0.00
230.00	4.90	2.72	0.00	485.00	4.90	2.72	0.00
235.00	4.90	2.72	0.00	490.00	4.90	2.72	0.00
240.00	4.90	2.72	0.00	495.00	4.90	2.72	0.00
245.00	4.90	2.72	0.00	500.00	4.90	2.72	0.00
250.00	4.90	2.72	0.00				
255.00	4.90	2.72	0.00				

Summary for Subcatchment 6S: Culvert 2

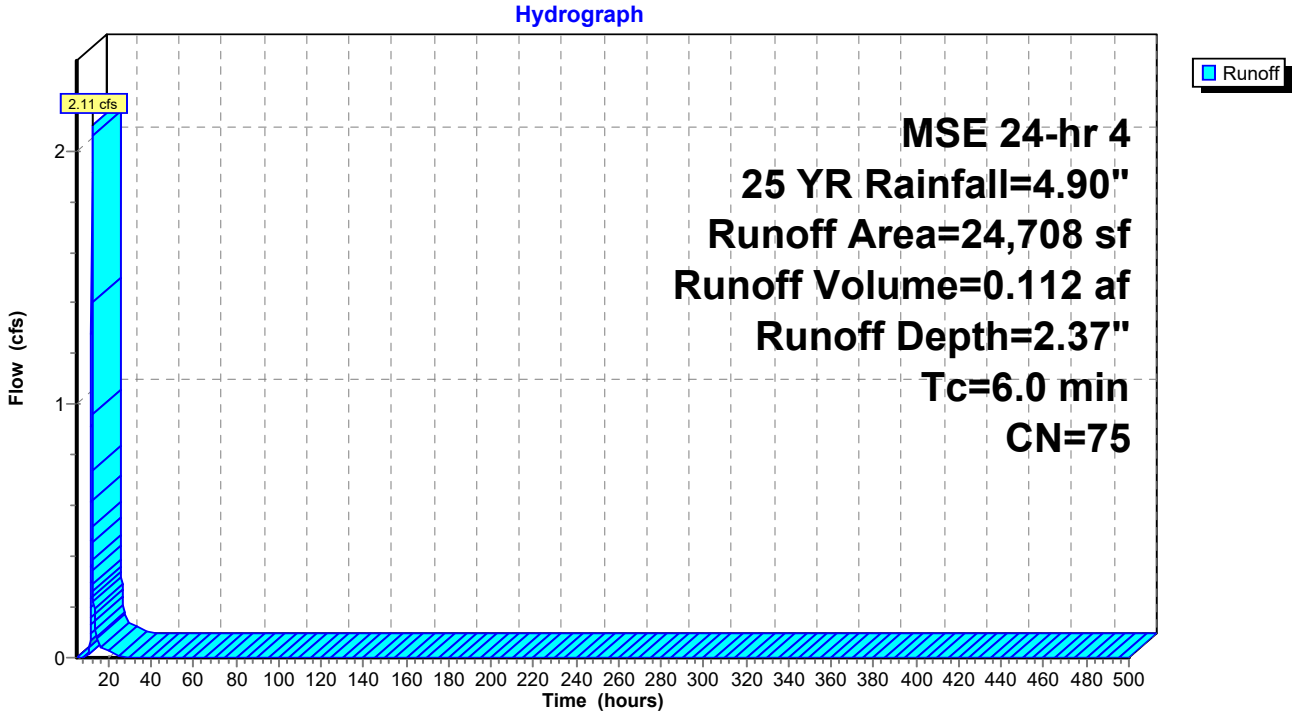
Runoff = 2.11 cfs @ 12.13 hrs, Volume= 0.112 af, Depth= 2.37"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (sf)	CN	Description
*	15,597	61	Post - B Soils
*	9,111	98	Impervious
	24,708	75	Weighted Average
	15,597		63.13% Pervious Area
	9,111		36.87% Impervious Area

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

Subcatchment 6S: Culvert 2



Hydrograph for Subcatchment 6S: Culvert 2

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	2.37	0.00
10.00	0.78	0.00	**0.01**	265.00	4.90	2.37	0.00
15.00	4.31	1.90	**0.08**	270.00	4.90	2.37	0.00
20.00	**4.74**	**2.24**	0.03	275.00	4.90	2.37	0.00
25.00	**4.90**	**2.37**	0.00	280.00	4.90	2.37	0.00
30.00	4.90	2.37	0.00	285.00	4.90	2.37	0.00
35.00	4.90	2.37	0.00	290.00	4.90	2.37	0.00
40.00	4.90	2.37	0.00	295.00	4.90	2.37	0.00
45.00	4.90	2.37	0.00	300.00	4.90	2.37	0.00
50.00	4.90	2.37	0.00	305.00	4.90	2.37	0.00
55.00	4.90	2.37	0.00	310.00	4.90	2.37	0.00
60.00	4.90	2.37	0.00	315.00	4.90	2.37	0.00
65.00	4.90	2.37	0.00	320.00	4.90	2.37	0.00
70.00	4.90	2.37	0.00	325.00	4.90	2.37	0.00
75.00	4.90	2.37	0.00	330.00	4.90	2.37	0.00
80.00	4.90	2.37	0.00	335.00	4.90	2.37	0.00
85.00	4.90	2.37	0.00	340.00	4.90	2.37	0.00
90.00	4.90	2.37	0.00	345.00	4.90	2.37	0.00
95.00	4.90	2.37	0.00	350.00	4.90	2.37	0.00
100.00	4.90	2.37	0.00	355.00	4.90	2.37	0.00
105.00	4.90	2.37	0.00	360.00	4.90	2.37	0.00
110.00	4.90	2.37	0.00	365.00	4.90	2.37	0.00
115.00	4.90	2.37	0.00	370.00	4.90	2.37	0.00
120.00	4.90	2.37	0.00	375.00	4.90	2.37	0.00
125.00	4.90	2.37	0.00	380.00	4.90	2.37	0.00
130.00	4.90	2.37	0.00	385.00	4.90	2.37	0.00
135.00	4.90	2.37	0.00	390.00	4.90	2.37	0.00
140.00	4.90	2.37	0.00	395.00	4.90	2.37	0.00
145.00	4.90	2.37	0.00	400.00	4.90	2.37	0.00
150.00	4.90	2.37	0.00	405.00	4.90	2.37	0.00
155.00	4.90	2.37	0.00	410.00	4.90	2.37	0.00
160.00	4.90	2.37	0.00	415.00	4.90	2.37	0.00
165.00	4.90	2.37	0.00	420.00	4.90	2.37	0.00
170.00	4.90	2.37	0.00	425.00	4.90	2.37	0.00
175.00	4.90	2.37	0.00	430.00	4.90	2.37	0.00
180.00	4.90	2.37	0.00	435.00	4.90	2.37	0.00
185.00	4.90	2.37	0.00	440.00	4.90	2.37	0.00
190.00	4.90	2.37	0.00	445.00	4.90	2.37	0.00
195.00	4.90	2.37	0.00	450.00	4.90	2.37	0.00
200.00	4.90	2.37	0.00	455.00	4.90	2.37	0.00
205.00	4.90	2.37	0.00	460.00	4.90	2.37	0.00
210.00	4.90	2.37	0.00	465.00	4.90	2.37	0.00
215.00	4.90	2.37	0.00	470.00	4.90	2.37	0.00
220.00	4.90	2.37	0.00	475.00	4.90	2.37	0.00
225.00	4.90	2.37	0.00	480.00	4.90	2.37	0.00
230.00	4.90	2.37	0.00	485.00	4.90	2.37	0.00
235.00	4.90	2.37	0.00	490.00	4.90	2.37	0.00
240.00	4.90	2.37	0.00	495.00	4.90	2.37	0.00
245.00	4.90	2.37	0.00	500.00	4.90	2.37	0.00
250.00	4.90	2.37	0.00				
255.00	4.90	2.37	0.00				

Summary for Subcatchment 7S: Culvert 3

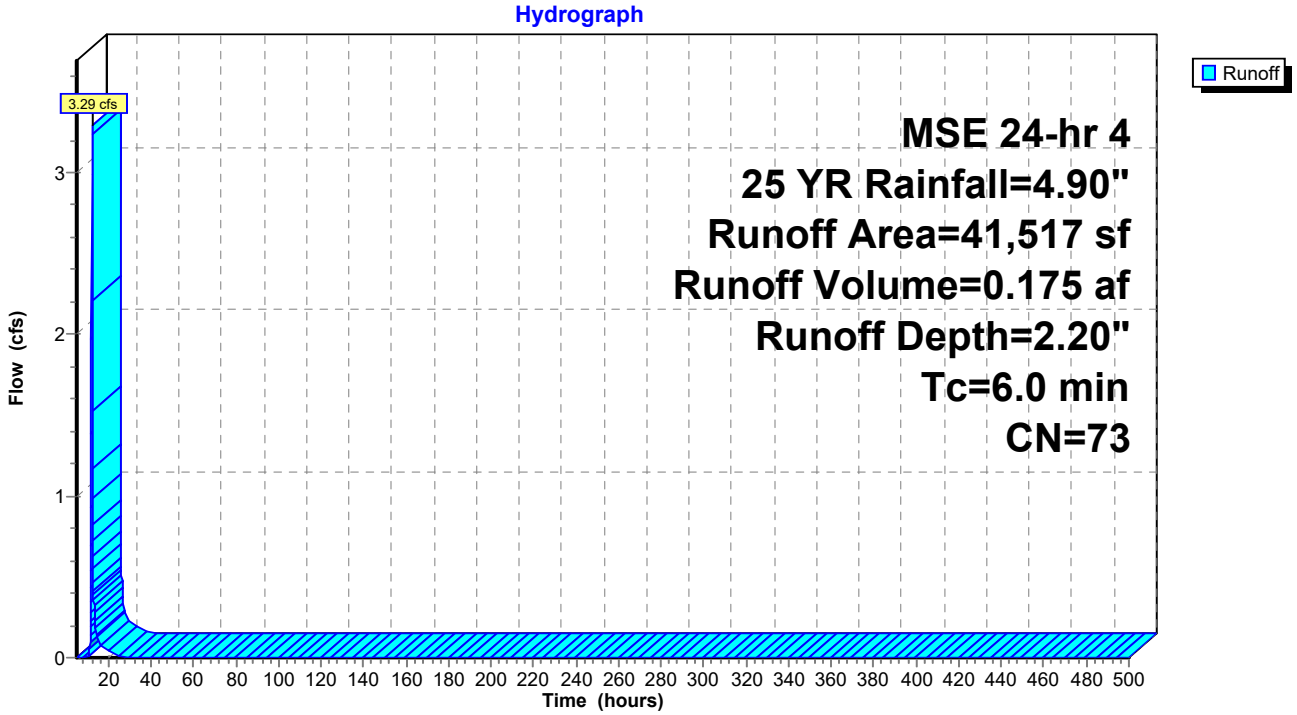
Runoff = 3.29 cfs @ 12.13 hrs, Volume= 0.175 af, Depth= 2.20"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (sf)	CN	Description
*	28,233	61	Post - B Soils
*	13,284	98	Impervious
	41,517	73	Weighted Average
	28,233		68.00% Pervious Area
	13,284		32.00% Impervious Area

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

Subcatchment 7S: Culvert 3



Hydrograph for Subcatchment 7S: Culvert 3

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	2.20	0.00
10.00	0.78	0.00	**0.00**	265.00	4.90	2.20	0.00
15.00	4.31	1.75	**0.12**	270.00	4.90	2.20	0.00
20.00	**4.74**	**2.08**	0.05	275.00	4.90	2.20	0.00
25.00	**4.90**	**2.20**	0.00	280.00	4.90	2.20	0.00
30.00	4.90	2.20	0.00	285.00	4.90	2.20	0.00
35.00	4.90	2.20	0.00	290.00	4.90	2.20	0.00
40.00	4.90	2.20	0.00	295.00	4.90	2.20	0.00
45.00	4.90	2.20	0.00	300.00	4.90	2.20	0.00
50.00	4.90	2.20	0.00	305.00	4.90	2.20	0.00
55.00	4.90	2.20	0.00	310.00	4.90	2.20	0.00
60.00	4.90	2.20	0.00	315.00	4.90	2.20	0.00
65.00	4.90	2.20	0.00	320.00	4.90	2.20	0.00
70.00	4.90	2.20	0.00	325.00	4.90	2.20	0.00
75.00	4.90	2.20	0.00	330.00	4.90	2.20	0.00
80.00	4.90	2.20	0.00	335.00	4.90	2.20	0.00
85.00	4.90	2.20	0.00	340.00	4.90	2.20	0.00
90.00	4.90	2.20	0.00	345.00	4.90	2.20	0.00
95.00	4.90	2.20	0.00	350.00	4.90	2.20	0.00
100.00	4.90	2.20	0.00	355.00	4.90	2.20	0.00
105.00	4.90	2.20	0.00	360.00	4.90	2.20	0.00
110.00	4.90	2.20	0.00	365.00	4.90	2.20	0.00
115.00	4.90	2.20	0.00	370.00	4.90	2.20	0.00
120.00	4.90	2.20	0.00	375.00	4.90	2.20	0.00
125.00	4.90	2.20	0.00	380.00	4.90	2.20	0.00
130.00	4.90	2.20	0.00	385.00	4.90	2.20	0.00
135.00	4.90	2.20	0.00	390.00	4.90	2.20	0.00
140.00	4.90	2.20	0.00	395.00	4.90	2.20	0.00
145.00	4.90	2.20	0.00	400.00	4.90	2.20	0.00
150.00	4.90	2.20	0.00	405.00	4.90	2.20	0.00
155.00	4.90	2.20	0.00	410.00	4.90	2.20	0.00
160.00	4.90	2.20	0.00	415.00	4.90	2.20	0.00
165.00	4.90	2.20	0.00	420.00	4.90	2.20	0.00
170.00	4.90	2.20	0.00	425.00	4.90	2.20	0.00
175.00	4.90	2.20	0.00	430.00	4.90	2.20	0.00
180.00	4.90	2.20	0.00	435.00	4.90	2.20	0.00
185.00	4.90	2.20	0.00	440.00	4.90	2.20	0.00
190.00	4.90	2.20	0.00	445.00	4.90	2.20	0.00
195.00	4.90	2.20	0.00	450.00	4.90	2.20	0.00
200.00	4.90	2.20	0.00	455.00	4.90	2.20	0.00
205.00	4.90	2.20	0.00	460.00	4.90	2.20	0.00
210.00	4.90	2.20	0.00	465.00	4.90	2.20	0.00
215.00	4.90	2.20	0.00	470.00	4.90	2.20	0.00
220.00	4.90	2.20	0.00	475.00	4.90	2.20	0.00
225.00	4.90	2.20	0.00	480.00	4.90	2.20	0.00
230.00	4.90	2.20	0.00	485.00	4.90	2.20	0.00
235.00	4.90	2.20	0.00	490.00	4.90	2.20	0.00
240.00	4.90	2.20	0.00	495.00	4.90	2.20	0.00
245.00	4.90	2.20	0.00	500.00	4.90	2.20	0.00
250.00	4.90	2.20	0.00				
255.00	4.90	2.20	0.00				

Summary for Subcatchment 8S: Culvert 4

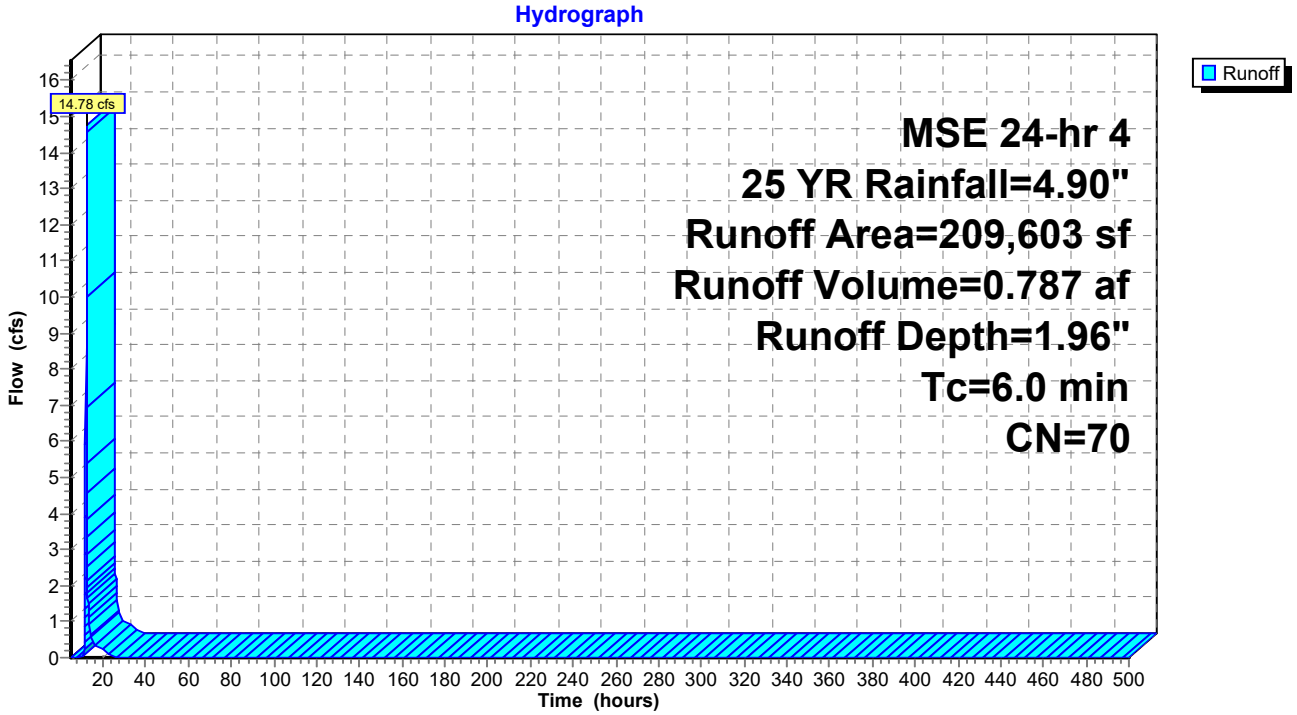
Runoff = 14.78 cfs @ 12.14 hrs, Volume= 0.787 af, Depth= 1.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (sf)	CN	Description
*	156,823	61	Post - B Soils
*	52,780	98	Impervious
	209,603	70	Weighted Average
	156,823		74.82% Pervious Area
	52,780		25.18% Impervious Area

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

Subcatchment 8S: Culvert 4



Hydrograph for Subcatchment 8S: Culvert 4

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	1.96	0.00
10.00	0.78	0.00	**0.00**	265.00	4.90	1.96	0.00
15.00	4.31	1.54	**0.58**	270.00	4.90	1.96	0.00
20.00	**4.74**	**1.85**	0.22	275.00	4.90	1.96	0.00
25.00	**4.90**	**1.96**	0.00	280.00	4.90	1.96	0.00
30.00	4.90	1.96	0.00	285.00	4.90	1.96	0.00
35.00	4.90	1.96	0.00	290.00	4.90	1.96	0.00
40.00	4.90	1.96	0.00	295.00	4.90	1.96	0.00
45.00	4.90	1.96	0.00	300.00	4.90	1.96	0.00
50.00	4.90	1.96	0.00	305.00	4.90	1.96	0.00
55.00	4.90	1.96	0.00	310.00	4.90	1.96	0.00
60.00	4.90	1.96	0.00	315.00	4.90	1.96	0.00
65.00	4.90	1.96	0.00	320.00	4.90	1.96	0.00
70.00	4.90	1.96	0.00	325.00	4.90	1.96	0.00
75.00	4.90	1.96	0.00	330.00	4.90	1.96	0.00
80.00	4.90	1.96	0.00	335.00	4.90	1.96	0.00
85.00	4.90	1.96	0.00	340.00	4.90	1.96	0.00
90.00	4.90	1.96	0.00	345.00	4.90	1.96	0.00
95.00	4.90	1.96	0.00	350.00	4.90	1.96	0.00
100.00	4.90	1.96	0.00	355.00	4.90	1.96	0.00
105.00	4.90	1.96	0.00	360.00	4.90	1.96	0.00
110.00	4.90	1.96	0.00	365.00	4.90	1.96	0.00
115.00	4.90	1.96	0.00	370.00	4.90	1.96	0.00
120.00	4.90	1.96	0.00	375.00	4.90	1.96	0.00
125.00	4.90	1.96	0.00	380.00	4.90	1.96	0.00
130.00	4.90	1.96	0.00	385.00	4.90	1.96	0.00
135.00	4.90	1.96	0.00	390.00	4.90	1.96	0.00
140.00	4.90	1.96	0.00	395.00	4.90	1.96	0.00
145.00	4.90	1.96	0.00	400.00	4.90	1.96	0.00
150.00	4.90	1.96	0.00	405.00	4.90	1.96	0.00
155.00	4.90	1.96	0.00	410.00	4.90	1.96	0.00
160.00	4.90	1.96	0.00	415.00	4.90	1.96	0.00
165.00	4.90	1.96	0.00	420.00	4.90	1.96	0.00
170.00	4.90	1.96	0.00	425.00	4.90	1.96	0.00
175.00	4.90	1.96	0.00	430.00	4.90	1.96	0.00
180.00	4.90	1.96	0.00	435.00	4.90	1.96	0.00
185.00	4.90	1.96	0.00	440.00	4.90	1.96	0.00
190.00	4.90	1.96	0.00	445.00	4.90	1.96	0.00
195.00	4.90	1.96	0.00	450.00	4.90	1.96	0.00
200.00	4.90	1.96	0.00	455.00	4.90	1.96	0.00
205.00	4.90	1.96	0.00	460.00	4.90	1.96	0.00
210.00	4.90	1.96	0.00	465.00	4.90	1.96	0.00
215.00	4.90	1.96	0.00	470.00	4.90	1.96	0.00
220.00	4.90	1.96	0.00	475.00	4.90	1.96	0.00
225.00	4.90	1.96	0.00	480.00	4.90	1.96	0.00
230.00	4.90	1.96	0.00	485.00	4.90	1.96	0.00
235.00	4.90	1.96	0.00	490.00	4.90	1.96	0.00
240.00	4.90	1.96	0.00	495.00	4.90	1.96	0.00
245.00	4.90	1.96	0.00	500.00	4.90	1.96	0.00
250.00	4.90	1.96	0.00				
255.00	4.90	1.96	0.00				

Summary for Subcatchment 9S: Culvert 5

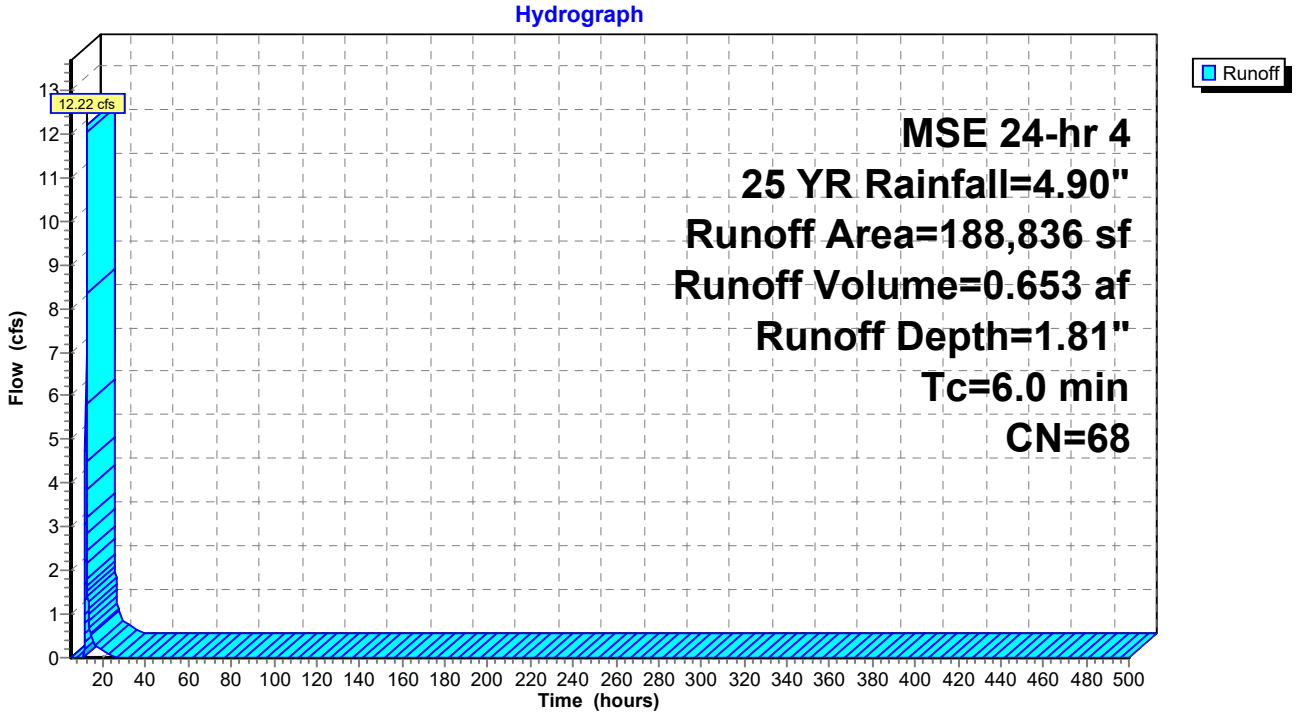
Runoff = 12.22 cfs @ 12.14 hrs, Volume= 0.653 af, Depth= 1.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 25 YR Rainfall=4.90"

	Area (sf)	CN	Description
*	151,149	61	Post - B Soils
*	37,687	98	Impervious
	188,836	68	Weighted Average
	151,149		80.04% Pervious Area
	37,687		19.96% Impervious Area

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

Subcatchment 9S: Culvert 5



Hydrograph for Subcatchment 9S: Culvert 5

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.22	0.00	0.00	260.00	4.90	1.81	0.00
10.00	0.78	0.00	**0.00**	265.00	4.90	1.81	0.00
15.00	4.31	1.40	**0.50**	270.00	4.90	1.81	0.00
20.00	**4.74**	**1.70**	0.19	275.00	4.90	1.81	0.00
25.00	**4.90**	**1.81**	0.00	280.00	4.90	1.81	0.00
30.00	4.90	1.81	0.00	285.00	4.90	1.81	0.00
35.00	4.90	1.81	0.00	290.00	4.90	1.81	0.00
40.00	4.90	1.81	0.00	295.00	4.90	1.81	0.00
45.00	4.90	1.81	0.00	300.00	4.90	1.81	0.00
50.00	4.90	1.81	0.00	305.00	4.90	1.81	0.00
55.00	4.90	1.81	0.00	310.00	4.90	1.81	0.00
60.00	4.90	1.81	0.00	315.00	4.90	1.81	0.00
65.00	4.90	1.81	0.00	320.00	4.90	1.81	0.00
70.00	4.90	1.81	0.00	325.00	4.90	1.81	0.00
75.00	4.90	1.81	0.00	330.00	4.90	1.81	0.00
80.00	4.90	1.81	0.00	335.00	4.90	1.81	0.00
85.00	4.90	1.81	0.00	340.00	4.90	1.81	0.00
90.00	4.90	1.81	0.00	345.00	4.90	1.81	0.00
95.00	4.90	1.81	0.00	350.00	4.90	1.81	0.00
100.00	4.90	1.81	0.00	355.00	4.90	1.81	0.00
105.00	4.90	1.81	0.00	360.00	4.90	1.81	0.00
110.00	4.90	1.81	0.00	365.00	4.90	1.81	0.00
115.00	4.90	1.81	0.00	370.00	4.90	1.81	0.00
120.00	4.90	1.81	0.00	375.00	4.90	1.81	0.00
125.00	4.90	1.81	0.00	380.00	4.90	1.81	0.00
130.00	4.90	1.81	0.00	385.00	4.90	1.81	0.00
135.00	4.90	1.81	0.00	390.00	4.90	1.81	0.00
140.00	4.90	1.81	0.00	395.00	4.90	1.81	0.00
145.00	4.90	1.81	0.00	400.00	4.90	1.81	0.00
150.00	4.90	1.81	0.00	405.00	4.90	1.81	0.00
155.00	4.90	1.81	0.00	410.00	4.90	1.81	0.00
160.00	4.90	1.81	0.00	415.00	4.90	1.81	0.00
165.00	4.90	1.81	0.00	420.00	4.90	1.81	0.00
170.00	4.90	1.81	0.00	425.00	4.90	1.81	0.00
175.00	4.90	1.81	0.00	430.00	4.90	1.81	0.00
180.00	4.90	1.81	0.00	435.00	4.90	1.81	0.00
185.00	4.90	1.81	0.00	440.00	4.90	1.81	0.00
190.00	4.90	1.81	0.00	445.00	4.90	1.81	0.00
195.00	4.90	1.81	0.00	450.00	4.90	1.81	0.00
200.00	4.90	1.81	0.00	455.00	4.90	1.81	0.00
205.00	4.90	1.81	0.00	460.00	4.90	1.81	0.00
210.00	4.90	1.81	0.00	465.00	4.90	1.81	0.00
215.00	4.90	1.81	0.00	470.00	4.90	1.81	0.00
220.00	4.90	1.81	0.00	475.00	4.90	1.81	0.00
225.00	4.90	1.81	0.00	480.00	4.90	1.81	0.00
230.00	4.90	1.81	0.00	485.00	4.90	1.81	0.00
235.00	4.90	1.81	0.00	490.00	4.90	1.81	0.00
240.00	4.90	1.81	0.00	495.00	4.90	1.81	0.00
245.00	4.90	1.81	0.00	500.00	4.90	1.81	0.00
250.00	4.90	1.81	0.00				
255.00	4.90	1.81	0.00				

Summary for Pond P1A: Pond 1A

Inflow Area = 6.030 ac, 19.24% Impervious, Inflow Depth = 1.81" for 25 YR event
Inflow = 16.99 cfs @ 12.14 hrs, Volume= 0.909 af
Outflow = 3.60 cfs @ 12.48 hrs, Volume= 0.909 af, Atten= 79%, Lag= 20.8 min
Primary = 3.02 cfs @ 12.48 hrs, Volume= 0.440 af
Routed to Link 3L : Post - South
Secondary = 0.58 cfs @ 12.48 hrs, Volume= 0.469 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,242.10' @ 12.48 hrs Surf.Area= 6,976 sf Storage= 14,669 cf

Plug-Flow detention time= 119.8 min calculated for 0.909 af (100% of inflow)
Center-of-Mass det. time= 119.8 min (956.0 - 836.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1,239.00'	30,563 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

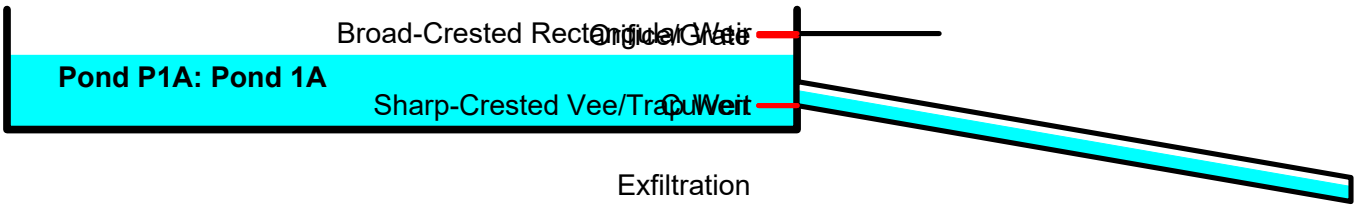
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,239.00	2,496	0	0
1,244.00	9,729	30,563	30,563

Device	Routing	Invert	Outlet Devices
#1	Primary	1,240.00'	**12.0" Round Culvert** L= 39.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,240.00' / 1,236.00' S= 0.1026 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,240.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,242.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,239.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,243.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

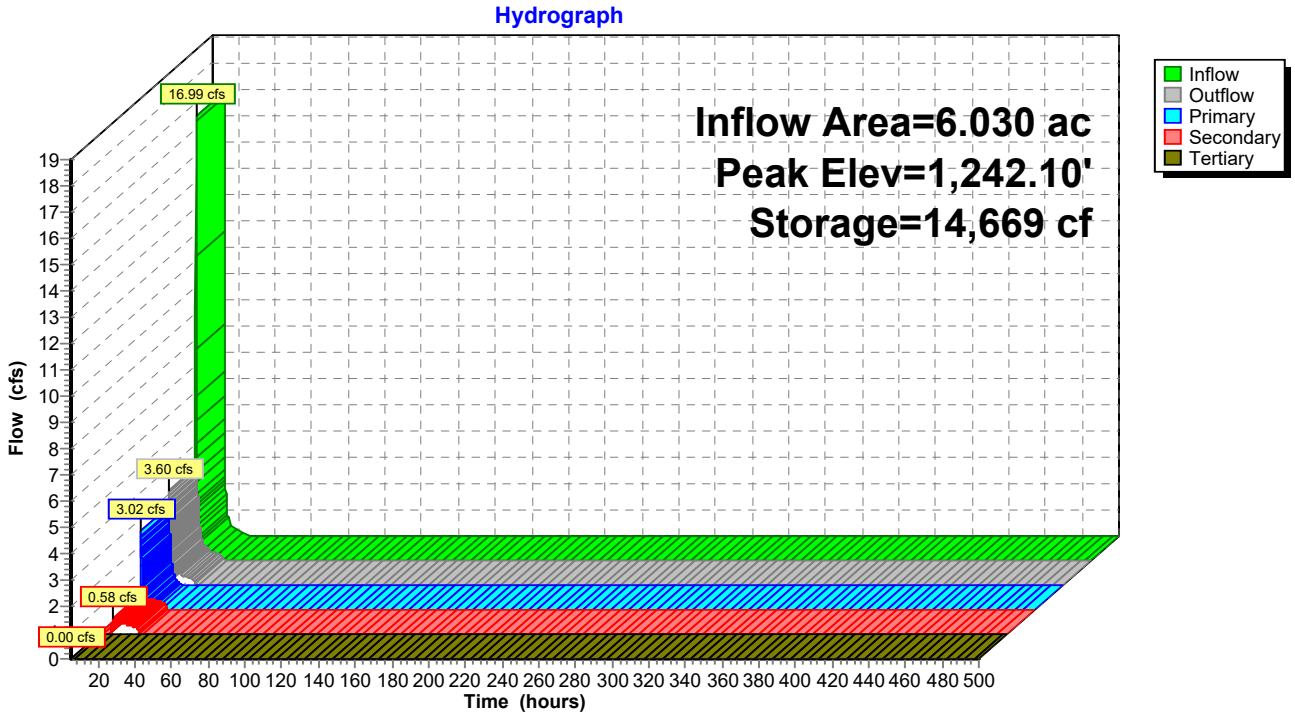
Primary OutFlow Max=3.02 cfs @ 12.48 hrs HW=1,242.10' (Free Discharge)
└**1=Culvert** (Passes 3.02 cfs of 4.78 cfs potential flow)
  ├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 3.02 cfs @ 3.89 fps)
  └**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.58 cfs @ 12.48 hrs HW=1,242.10' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.58 cfs)

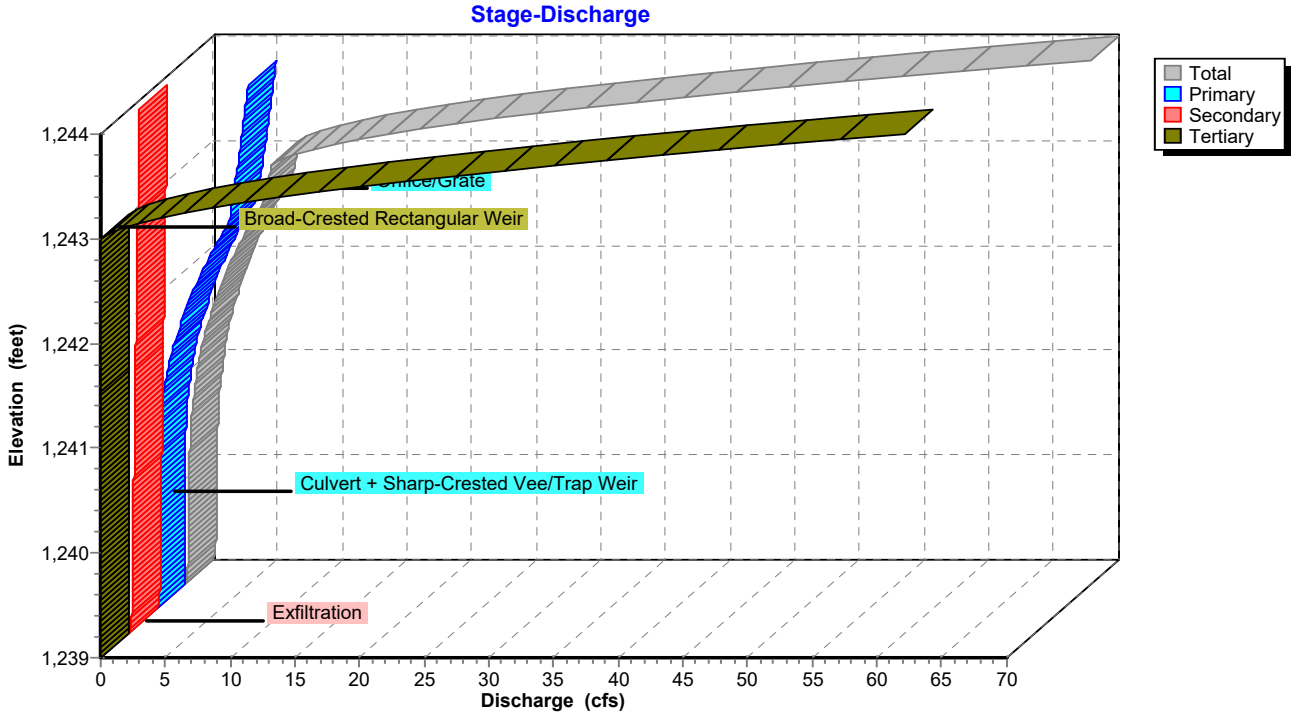
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,239.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



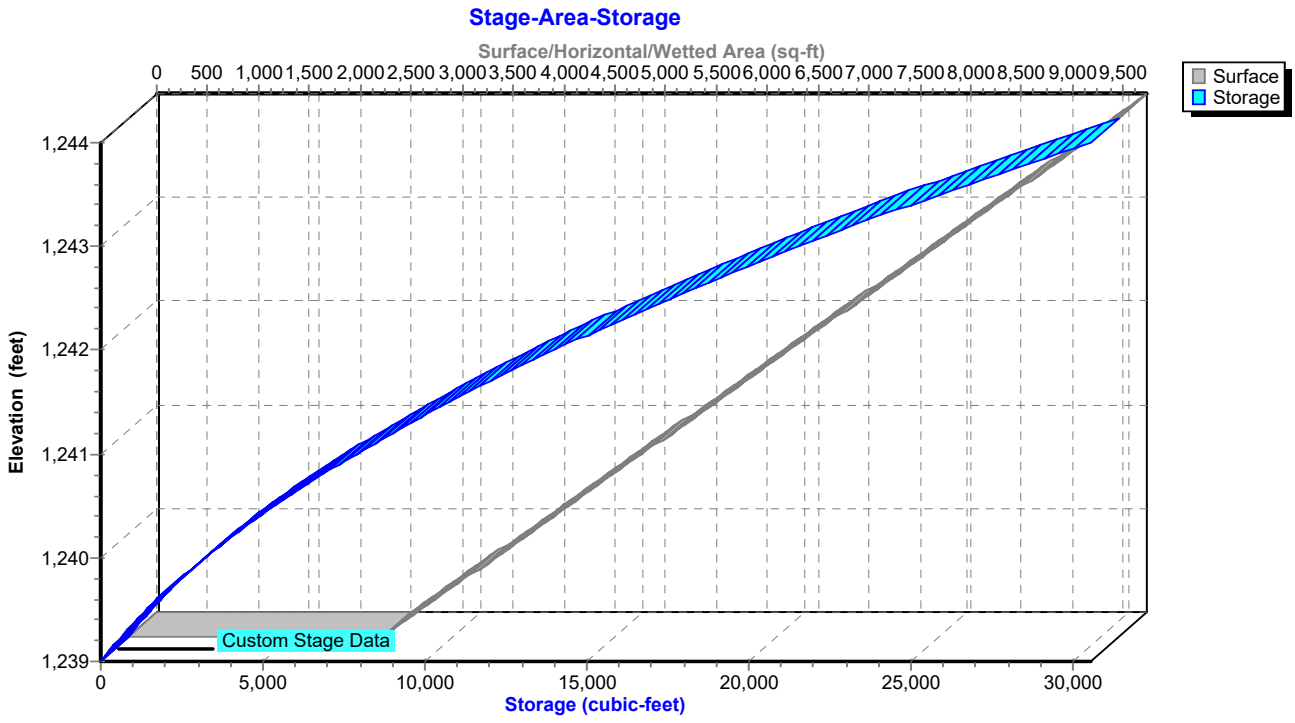
Pond P1A: Pond 1A



Pond P1A: Pond 1A



Pond P1A: Pond 1A



Hydrograph for Pond P1A: Pond 1A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,239.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.69**	**8,153**	**1,241.05**	**0.99**	**0.54**	**0.46**	0.00
25.00	0.00	1,163	1,239.42	0.26	0.00	0.26	0.00
35.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P1A: Pond 1A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,239.00	0.00	0.00	0.00	0.00
1,239.10	0.22	0.00	0.22	0.00
1,239.20	0.23	0.00	0.23	0.00
1,239.30	0.24	0.00	0.24	0.00
1,239.40	0.26	0.00	0.26	0.00
1,239.50	0.27	0.00	0.27	0.00
1,239.60	0.28	0.00	0.28	0.00
1,239.70	0.29	0.00	0.29	0.00
1,239.80	0.30	0.00	0.30	0.00
1,239.90	0.32	0.00	0.32	0.00
1,240.00	0.33	0.00	0.33	0.00
1,240.10	0.34	0.00	0.34	0.00
1,240.20	0.36	0.01	0.35	0.00
1,240.30	0.39	0.02	0.36	0.00
1,240.40	0.42	0.05	0.38	0.00
1,240.50	0.47	0.08	0.39	0.00
1,240.60	0.53	0.13	0.40	0.00
1,240.70	0.61	0.19	0.41	0.00
1,240.80	0.70	0.27	0.42	0.00
1,240.90	0.80	0.36	0.44	0.00
1,241.00	0.92	0.47	0.45	0.00
1,241.10	1.06	0.60	0.46	0.00
1,241.20	1.22	0.75	0.47	0.00
1,241.30	1.40	0.91	0.49	0.00
1,241.40	1.60	1.10	0.50	0.00
1,241.50	1.82	1.31	0.51	0.00
1,241.60	2.06	1.54	0.52	0.00
1,241.70	2.32	1.79	0.53	0.00
1,241.80	2.61	2.06	0.55	0.00
1,241.90	2.92	2.36	0.56	0.00
1,242.00	3.25	2.68	0.57	0.00
1,242.10	3.61	3.03	0.58	0.00
1,242.20	4.00	3.41	0.59	0.00
1,242.30	4.41	3.81	0.61	0.00
1,242.40	4.85	4.23	0.62	0.00
1,242.50	5.32	4.69	0.63	0.00
1,242.60	5.81	5.17	0.64	0.00
1,242.70	6.26	5.61	0.65	0.00
1,242.80	6.40	5.74	0.67	0.00
1,242.90	6.54	5.86	0.68	0.00
1,243.00	6.67	5.98	0.69	0.00
1,243.10	8.40	6.10	0.70	1.60
1,243.20	11.53	6.21	0.71	4.60
1,243.30	15.75	6.33	0.73	8.70
1,243.40	20.96	6.44	0.74	13.78
1,243.50	27.39	6.55	0.75	20.08
1,243.60	34.93	6.66	0.76	27.51
1,243.70	42.64	6.76	0.77	35.10
1,243.80	51.08	6.87	0.79	43.42
1,243.90	60.22	6.97	0.80	52.45
1,244.00	**70.06**	**7.07**	**0.81**	**62.18**

Stage-Area-Storage for Pond P1A: Pond 1A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,239.00	2,496	0
1,239.05	2,568	127
1,239.10	2,641	257
1,239.15	2,713	391
1,239.20	2,785	528
1,239.25	2,858	669
1,239.30	2,930	814
1,239.35	3,002	962
1,239.40	3,075	1,114
1,239.45	3,147	1,270
1,239.50	3,219	1,429
1,239.55	3,292	1,592
1,239.60	3,364	1,758
1,239.65	3,436	1,928
1,239.70	3,509	2,102
1,239.75	3,581	2,279
1,239.80	3,653	2,460
1,239.85	3,726	2,644
1,239.90	3,798	2,832
1,239.95	3,870	3,024
1,240.00	3,943	3,219
1,240.05	4,015	3,418
1,240.10	4,087	3,621
1,240.15	4,160	3,827
1,240.20	4,232	4,037
1,240.25	4,304	4,250
1,240.30	4,377	4,467
1,240.35	4,449	4,688
1,240.40	4,521	4,912
1,240.45	4,594	5,140
1,240.50	4,666	5,371
1,240.55	4,738	5,607
1,240.60	4,811	5,845
1,240.65	4,883	6,088
1,240.70	4,955	6,334
1,240.75	5,028	6,583
1,240.80	5,100	6,836
1,240.85	5,172	7,093
1,240.90	5,245	7,354
1,240.95	5,317	7,618
1,241.00	5,389	7,885
1,241.05	5,462	8,156
1,241.10	5,534	8,431
1,241.15	5,606	8,710
1,241.20	5,679	8,992
1,241.25	5,751	9,278
1,241.30	5,823	9,567
1,241.35	5,896	9,860
1,241.40	5,968	10,157
1,241.45	6,040	10,457
1,241.50	6,113	10,761
1,241.55	6,185	11,068
1,241.60	6,257	11,379
1,241.65	6,329	11,694
1,241.70	6,402	12,012
1,241.75	6,474	12,334
1,241.80	6,546	12,659
1,241.85	6,619	12,989
1,241.90	6,691	13,321
1,241.95	6,763	13,658
1,242.00	6,836	13,998
1,242.05	6,908	14,341
1,242.10	6,980	14,689
1,242.15	7,053	15,039
1,242.20	7,125	15,394
1,242.25	7,197	15,752
1,242.30	7,270	16,114
1,242.35	7,342	16,479
1,242.40	7,414	16,848
1,242.45	7,487	17,220
1,242.50	7,559	17,596
1,242.55	7,631	17,976
1,242.60	7,704	18,360
1,242.65	7,776	18,747
1,242.70	7,848	19,137
1,242.75	7,921	19,531
1,242.80	7,993	19,929
1,242.85	8,065	20,331
1,242.90	8,138	20,736
1,242.95	8,210	21,144
1,243.00	8,282	21,557
1,243.05	8,355	21,973
1,243.10	8,427	22,392
1,243.15	8,499	22,815
1,243.20	8,572	23,242
1,243.25	8,644	23,673
1,243.30	8,716	24,107
1,243.35	8,789	24,544
1,243.40	8,861	24,985
1,243.45	8,933	25,430
1,243.50	9,006	25,879
1,243.55	9,078	26,331
1,243.60	9,150	26,787
1,243.65	9,223	27,246
1,243.70	9,295	27,709
1,243.75	9,367	28,175
1,243.80	9,440	28,646
1,243.85	9,512	29,119
1,243.90	9,584	29,597
1,243.95	9,657	30,078
1,244.00	**9,729**	**30,563**

Summary for Pond P3A: Pond 3A

Inflow Area = 10.600 ac, 18.58% Impervious, Inflow Depth = 1.96" for 25 YR event
Inflow = 32.55 cfs @ 12.14 hrs, Volume= 1.734 af
Outflow = 6.79 cfs @ 12.48 hrs, Volume= 1.734 af, Atten= 79%, Lag= 20.6 min
Primary = 5.95 cfs @ 12.48 hrs, Volume= 0.991 af
Routed to Link 4L : Post - North
Secondary = 0.84 cfs @ 12.48 hrs, Volume= 0.743 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,195.98' @ 12.48 hrs Surf.Area= 10,097 sf Storage= 28,352 cf

Plug-Flow detention time= 120.8 min calculated for 1.733 af (100% of inflow)
Center-of-Mass det. time= 120.8 min (952.6 - 831.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1,192.00'	51,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

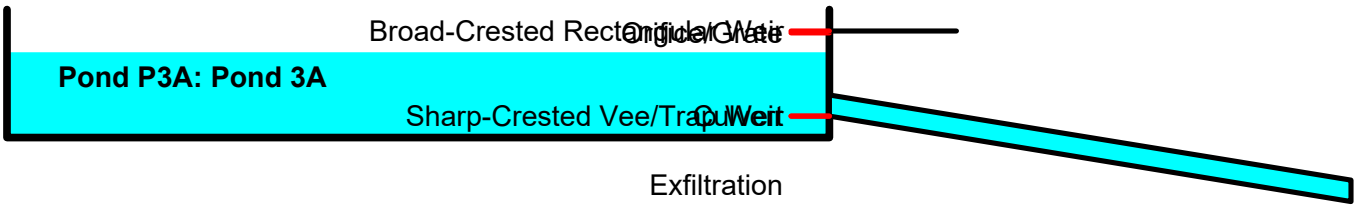
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,192.00	4,165	0	0
1,198.00	13,117	51,846	51,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,193.00'	**12.0" Round Culvert** L= 41.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,193.00' / 1,189.00' S= 0.0976 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,193.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,196.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,192.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,197.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

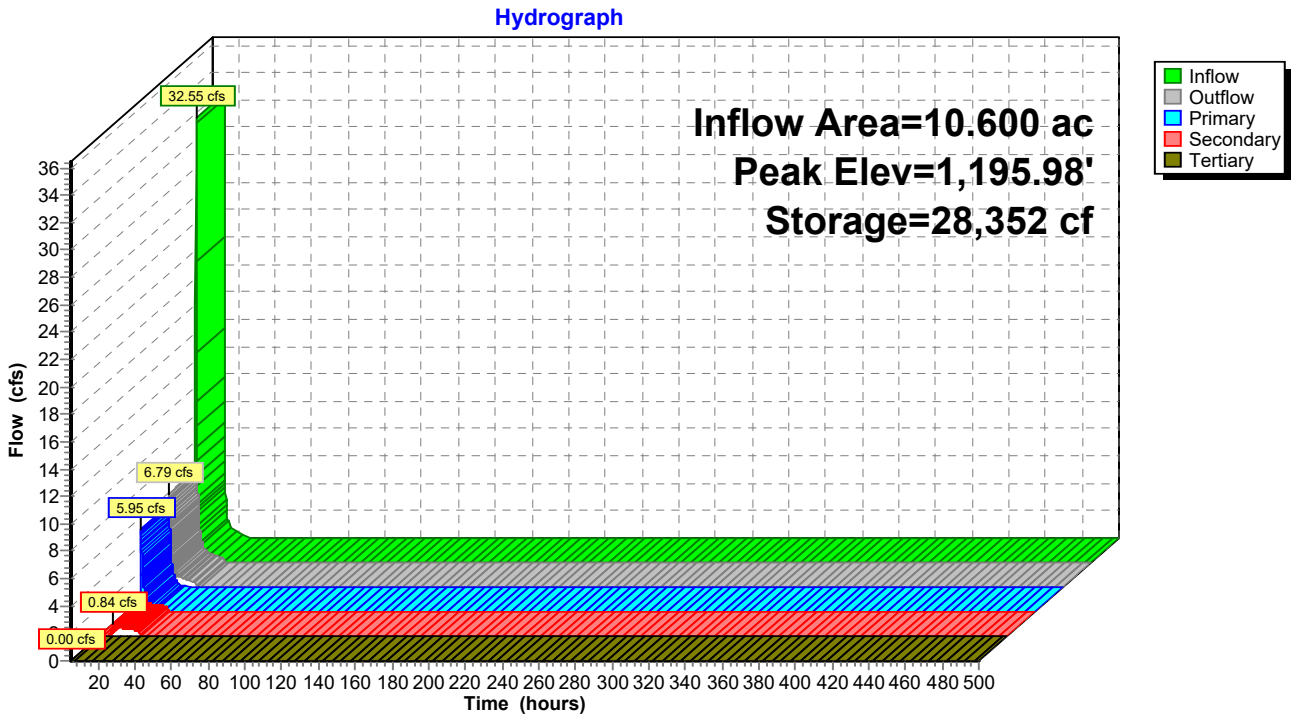
Primary OutFlow Max=5.95 cfs @ 12.48 hrs HW=1,195.97' (Free Discharge)
└**1=Culvert** (Inlet Controls 5.95 cfs @ 7.57 fps)
└**2=Sharp-Crested Vee/Trap Weir** (Passes 5.95 cfs of 7.23 cfs potential flow)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.84 cfs @ 12.48 hrs HW=1,195.97' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.84 cfs)

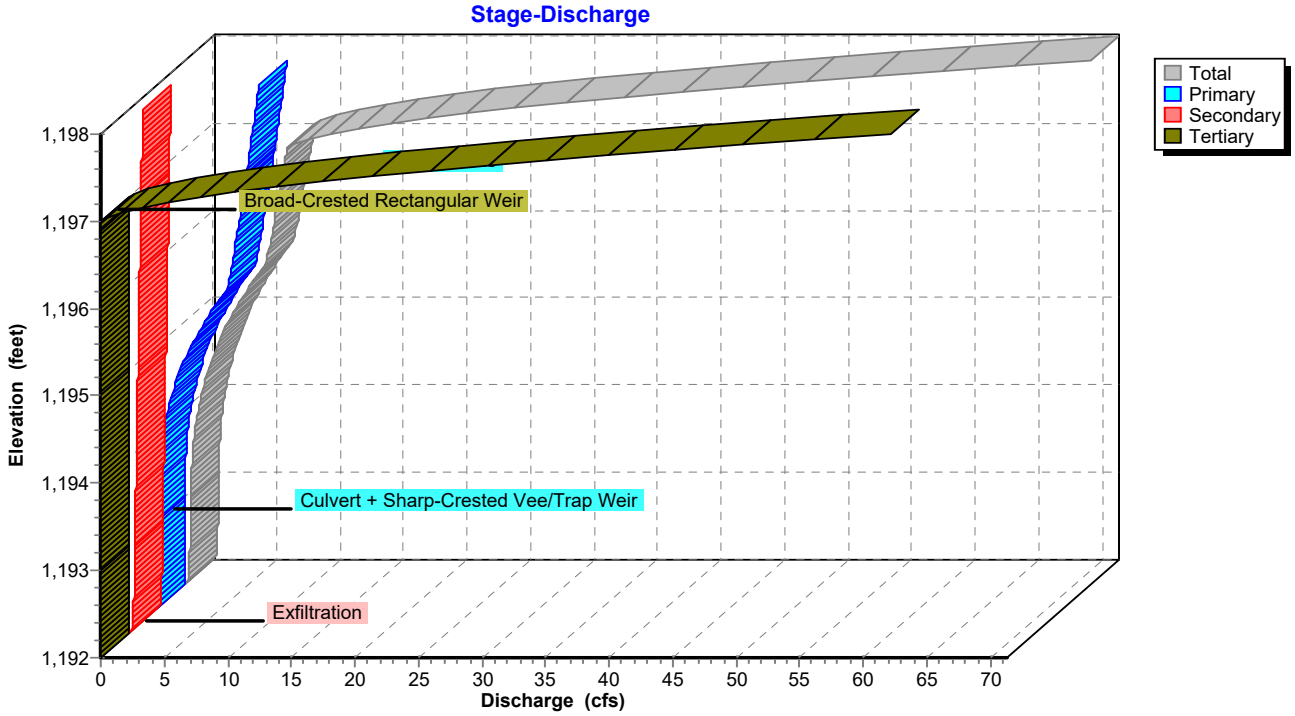
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,192.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



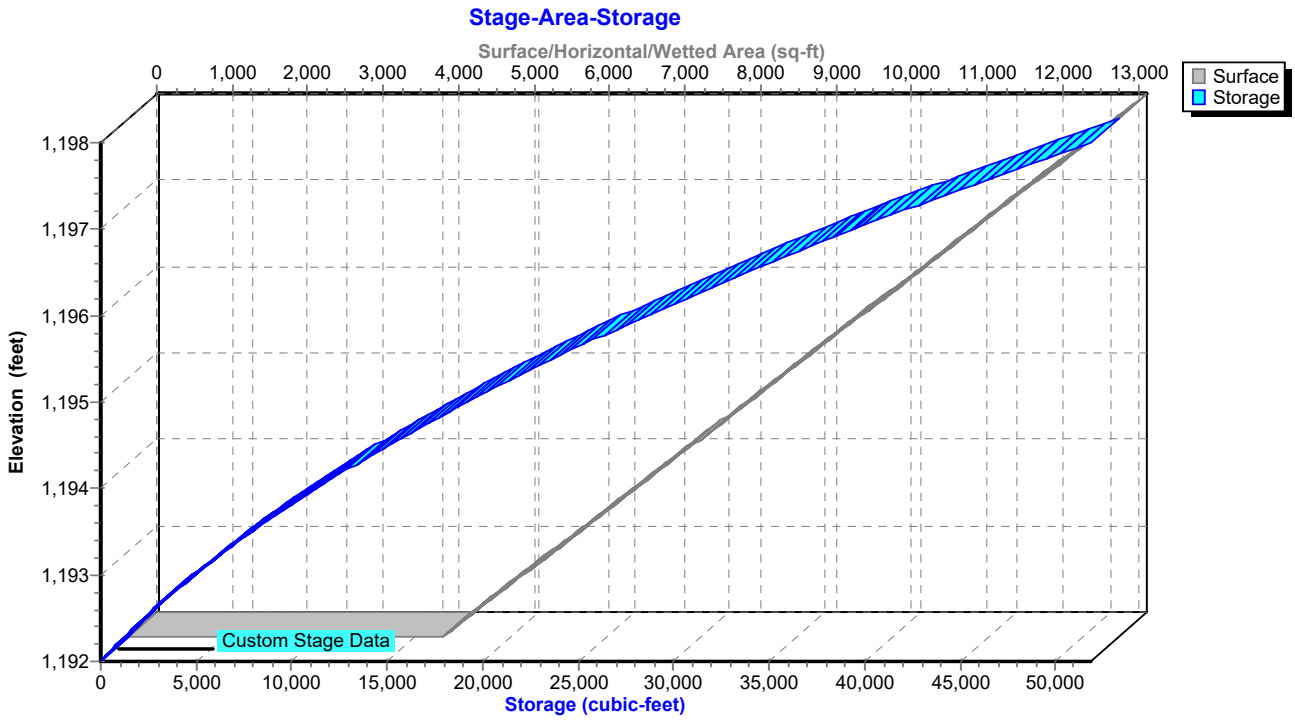
Pond P3A: Pond 3A



Pond P3A: Pond 3A



Pond P3A: Pond 3A



Hydrograph for Pond P3A: Pond 3A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,192.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**1.28**	**14,510**	**1,194.43**	**1.81**	**1.16**	**0.65**	0.00
25.00	0.00	3,460	1,192.73	0.44	0.00	0.44	0.00
35.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3A: Pond 3A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,192.00	0.00	0.00	0.00	0.00
1,192.20	0.37	0.00	0.37	0.00
1,192.40	0.40	0.00	0.40	0.00
1,192.60	0.42	0.00	0.42	0.00
1,192.80	0.45	0.00	0.45	0.00
1,193.00	0.47	0.00	0.47	0.00
1,193.20	0.50	0.01	0.50	0.00
1,193.40	0.57	0.05	0.52	0.00
1,193.60	0.68	0.13	0.55	0.00
1,193.80	0.84	0.27	0.57	0.00
1,194.00	1.07	0.47	0.60	0.00
1,194.20	1.37	0.75	0.62	0.00
1,194.40	1.75	1.10	0.65	0.00
1,194.60	2.21	1.54	0.67	0.00
1,194.80	2.76	2.06	0.70	0.00
1,195.00	3.40	2.68	0.72	0.00
1,195.20	4.15	3.41	0.74	0.00
1,195.40	5.00	4.23	0.77	0.00
1,195.60	5.96	5.17	0.79	0.00
1,195.80	6.55	5.74	0.82	0.00
1,196.00	6.82	5.98	0.84	0.00
1,196.20	7.08	6.21	0.87	0.00
1,196.40	7.33	6.44	0.89	0.00
1,196.60	7.58	6.66	0.92	0.00
1,196.80	7.81	6.87	0.94	0.00
1,197.00	8.04	7.07	0.97	0.00
1,197.20	12.86	7.27	0.99	4.60
1,197.40	22.27	7.47	1.02	13.78
1,197.60	36.21	7.66	1.04	27.51
1,197.80	52.33	7.84	1.07	43.42
1,198.00	**71.29**	**8.02**	**1.09**	**62.18**

Stage-Area-Storage for Pond P3A: Pond 3A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,192.00	4,165	0
1,192.10	4,314	424
1,192.20	4,463	863
1,192.30	4,613	1,317
1,192.40	4,762	1,785
1,192.50	4,911	2,269
1,192.60	5,060	2,768
1,192.70	5,209	3,281
1,192.80	5,359	3,809
1,192.90	5,508	4,353
1,193.00	5,657	4,911
1,193.10	5,806	5,484
1,193.20	5,955	6,072
1,193.30	6,105	6,675
1,193.40	6,254	7,293
1,193.50	6,403	7,926
1,193.60	6,552	8,574
1,193.70	6,701	9,236
1,193.80	6,851	9,914
1,193.90	7,000	10,607
1,194.00	7,149	11,314
1,194.10	7,298	12,036
1,194.20	7,447	12,774
1,194.30	7,597	13,526
1,194.40	7,746	14,293
1,194.50	7,895	15,075
1,194.60	8,044	15,872
1,194.70	8,193	16,684
1,194.80	8,343	17,511
1,194.90	8,492	18,352
1,195.00	8,641	19,209
1,195.10	8,790	20,081
1,195.20	8,939	20,967
1,195.30	9,089	21,868
1,195.40	9,238	22,785
1,195.50	9,387	23,716
1,195.60	9,536	24,662
1,195.70	9,685	25,623
1,195.80	9,835	26,599
1,195.90	9,984	27,590
1,196.00	10,133	28,596
1,196.10	10,282	29,617
1,196.20	10,431	30,652
1,196.30	10,581	31,703
1,196.40	10,730	32,769
1,196.50	10,879	33,849
1,196.60	11,028	34,944
1,196.70	11,177	36,055
1,196.80	11,327	37,180
1,196.90	11,476	38,320
1,197.00	11,625	39,475
1,197.10	11,774	40,645
1,197.20	11,923	41,830
1,197.30	12,073	43,030
1,197.40	12,222	44,244
1,197.50	12,371	45,474
1,197.60	12,520	46,719
1,197.70	12,669	47,978
1,197.80	12,819	49,252
1,197.90	12,968	50,542
1,198.00	**13,117**	**51,846**

Summary for Pond P3B: Pond 3B

Inflow Area = 8.450 ac, 19.88% Impervious, Inflow Depth = 2.04" for 25 YR event
Inflow = 27.03 cfs @ 12.14 hrs, Volume= 1.437 af
Outflow = 6.56 cfs @ 12.42 hrs, Volume= 1.437 af, Atten= 76%, Lag= 17.2 min
Primary = 5.81 cfs @ 12.42 hrs, Volume= 0.841 af
Routed to Link 4L : Post - North
Secondary = 0.75 cfs @ 12.42 hrs, Volume= 0.596 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,198.86' @ 12.42 hrs Surf.Area= 8,968 sf Storage= 22,719 cf

Plug-Flow detention time= 107.4 min calculated for 1.437 af (100% of inflow)
Center-of-Mass det. time= 107.4 min (937.1 - 829.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1,195.00'	33,965 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

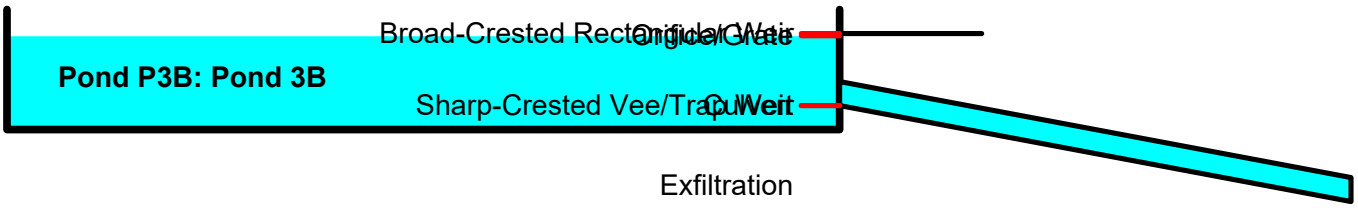
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,195.00	2,799	0	0
1,200.00	10,787	33,965	33,965

Device	Routing	Invert	Outlet Devices
#1	Primary	1,196.00'	**12.0" Round Culvert** L= 36.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,196.00' / 1,192.00' S= 0.1111 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,196.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,198.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,195.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,199.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

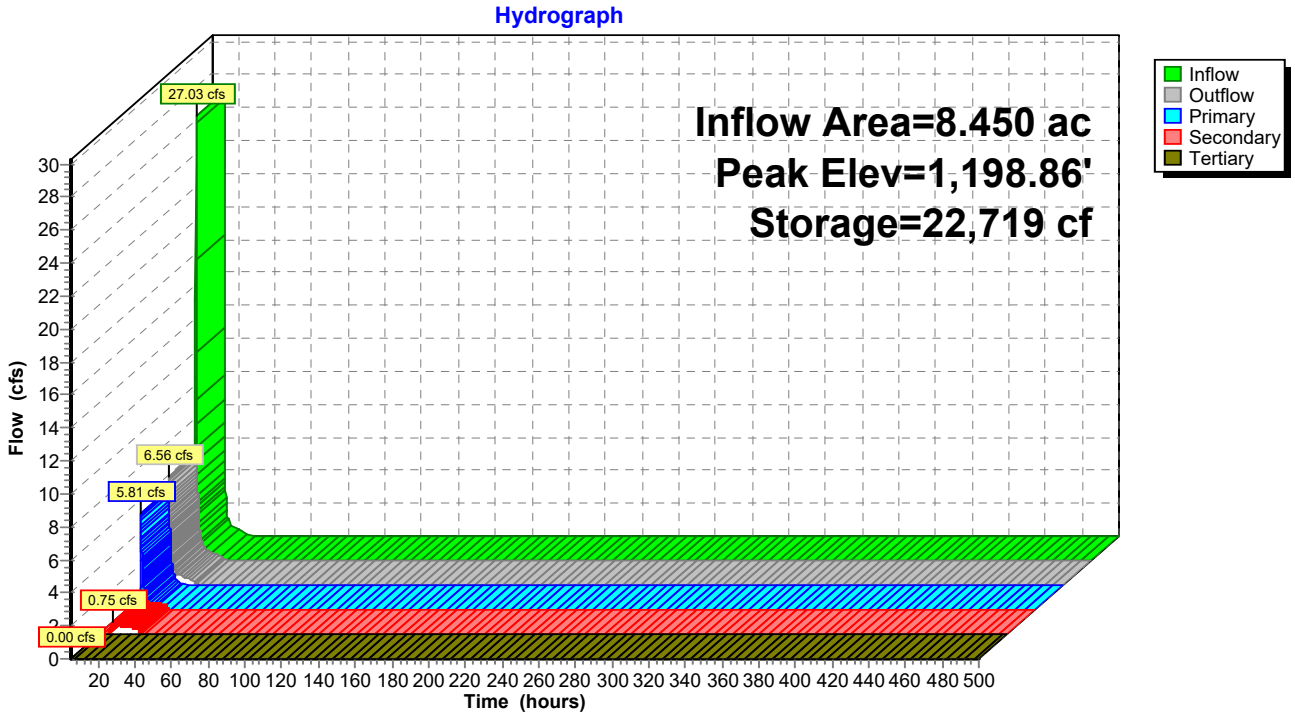
Primary OutFlow Max=5.81 cfs @ 12.42 hrs HW=1,198.86' (Free Discharge)
└**1=Culvert** (Inlet Controls 5.81 cfs @ 7.39 fps)
└**2=Sharp-Crested Vee/Trap Weir** (Passes 5.81 cfs of 6.55 cfs potential flow)
└**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.75 cfs @ 12.42 hrs HW=1,198.86' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.75 cfs)

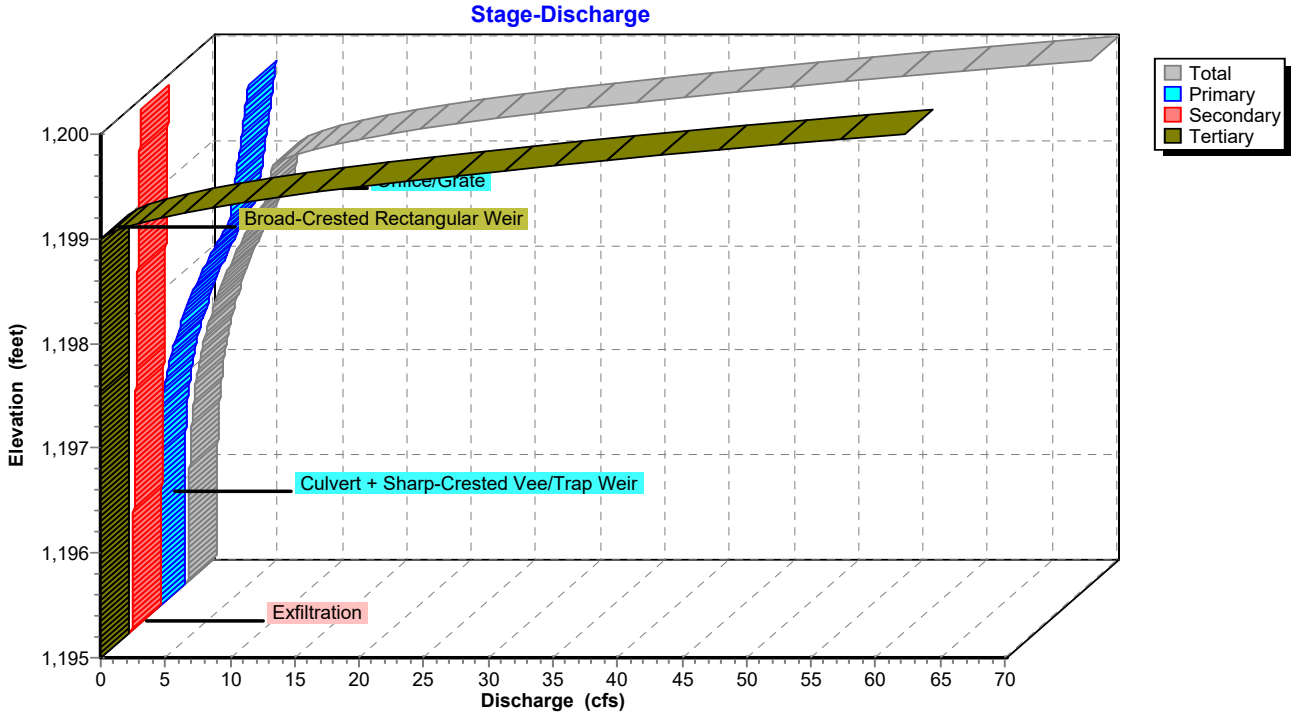
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,195.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



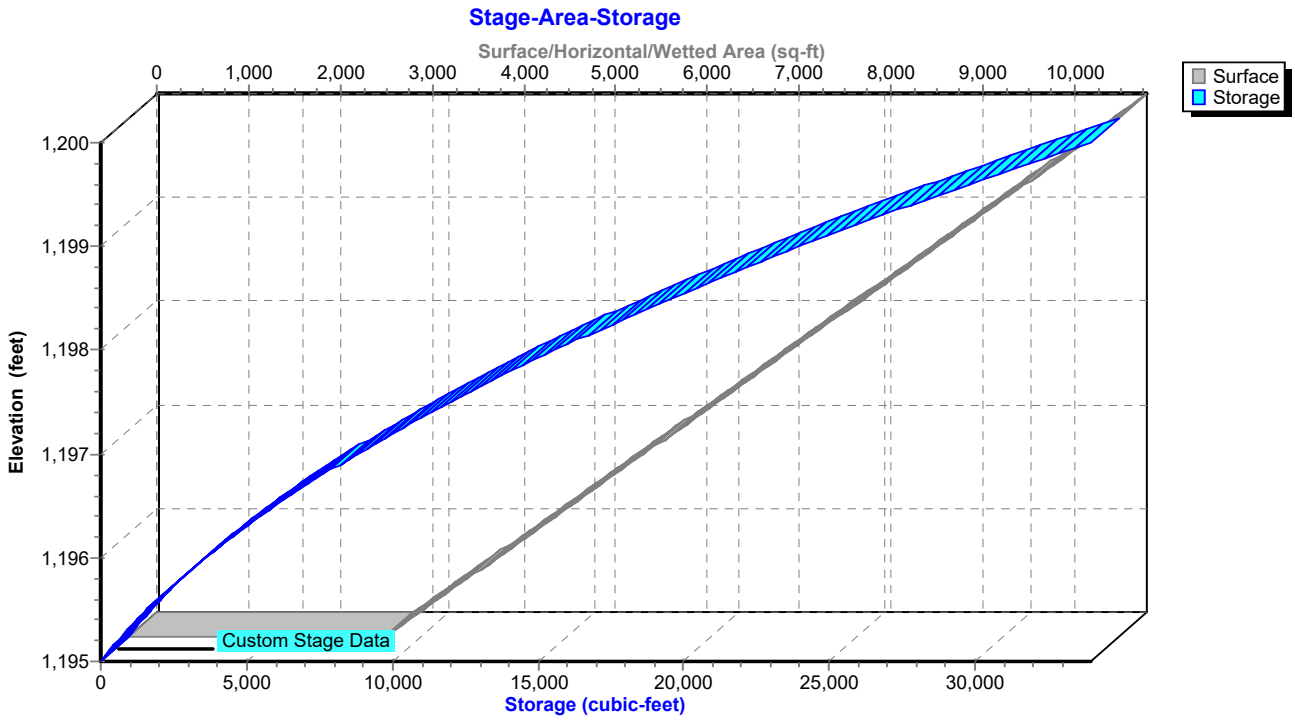
Pond P3B: Pond 3B



Pond P3B: Pond 3B



Pond P3B: Pond 3B



Hydrograph for Pond P3B: Pond 3B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,195.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**1.05**	**10,621**	**1,197.29**	**1.44**	**0.90**	**0.54**	0.00
25.00	0.00	2,354	1,195.70	0.33	0.00	0.33	0.00
35.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3B: Pond 3B

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,195.00	0.00	0.00	0.00	0.00
1,195.10	0.25	0.00	0.25	0.00
1,195.20	0.26	0.00	0.26	0.00
1,195.30	0.27	0.00	0.27	0.00
1,195.40	0.29	0.00	0.29	0.00
1,195.50	0.30	0.00	0.30	0.00
1,195.60	0.31	0.00	0.31	0.00
1,195.70	0.33	0.00	0.33	0.00
1,195.80	0.34	0.00	0.34	0.00
1,195.90	0.35	0.00	0.35	0.00
1,196.00	0.37	0.00	0.37	0.00
1,196.10	0.38	0.00	0.38	0.00
1,196.20	0.40	0.01	0.39	0.00
1,196.30	0.43	0.02	0.41	0.00
1,196.40	0.47	0.05	0.42	0.00
1,196.50	0.52	0.08	0.43	0.00
1,196.60	0.58	0.13	0.45	0.00
1,196.70	0.65	0.19	0.46	0.00
1,196.80	0.74	0.27	0.47	0.00
1,196.90	0.85	0.36	0.49	0.00
1,197.00	0.97	0.47	0.50	0.00
1,197.10	1.11	0.60	0.51	0.00
1,197.20	1.27	0.75	0.53	0.00
1,197.30	1.45	0.91	0.54	0.00
1,197.40	1.65	1.10	0.55	0.00
1,197.50	1.87	1.31	0.57	0.00
1,197.60	2.12	1.54	0.58	0.00
1,197.70	2.38	1.79	0.59	0.00
1,197.80	2.67	2.06	0.61	0.00
1,197.90	2.98	2.36	0.62	0.00
1,198.00	3.32	2.68	0.63	0.00
1,198.10	3.68	3.03	0.65	0.00
1,198.20	4.06	3.41	0.66	0.00
1,198.30	4.48	3.81	0.67	0.00
1,198.40	4.92	4.23	0.69	0.00
1,198.50	5.39	4.69	0.70	0.00
1,198.60	5.88	5.17	0.71	0.00
1,198.70	6.33	5.61	0.73	0.00
1,198.80	6.47	5.74	0.74	0.00
1,198.90	6.61	5.86	0.75	0.00
1,199.00	6.75	5.98	0.77	0.00
1,199.10	8.48	6.10	0.78	1.60
1,199.20	11.60	6.21	0.79	4.60
1,199.30	15.83	6.33	0.81	8.70
1,199.40	21.04	6.44	0.82	13.78
1,199.50	27.47	6.55	0.83	20.08
1,199.60	35.01	6.66	0.85	27.51
1,199.70	42.73	6.76	0.86	35.10
1,199.80	51.17	6.87	0.87	43.42
1,199.90	60.31	6.97	0.89	52.45
1,200.00	**70.15**	**7.07**	**0.90**	**62.18**

Stage-Area-Storage for Pond P3B: Pond 3B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,195.00	2,799	0
1,195.05	2,879	142
1,195.10	2,959	288
1,195.15	3,039	438
1,195.20	3,119	592
1,195.25	3,198	750
1,195.30	3,278	912
1,195.35	3,358	1,078
1,195.40	3,438	1,247
1,195.45	3,518	1,421
1,195.50	3,598	1,599
1,195.55	3,678	1,781
1,195.60	3,758	1,967
1,195.65	3,837	2,157
1,195.70	3,917	2,351
1,195.75	3,997	2,549
1,195.80	4,077	2,750
1,195.85	4,157	2,956
1,195.90	4,237	3,166
1,195.95	4,317	3,380
1,196.00	4,397	3,598
1,196.05	4,476	3,820
1,196.10	4,556	4,045
1,196.15	4,636	4,275
1,196.20	4,716	4,509
1,196.25	4,796	4,747
1,196.30	4,876	4,989
1,196.35	4,956	5,234
1,196.40	5,036	5,484
1,196.45	5,116	5,738
1,196.50	5,195	5,996
1,196.55	5,275	6,258
1,196.60	5,355	6,523
1,196.65	5,435	6,793
1,196.70	5,515	7,067
1,196.75	5,595	7,345
1,196.80	5,675	7,626
1,196.85	5,755	7,912
1,196.90	5,834	8,202
1,196.95	5,914	8,495
1,197.00	5,994	8,793
1,197.05	6,074	9,095
1,197.10	6,154	9,401
1,197.15	6,234	9,710
1,197.20	6,314	10,024
1,197.25	6,394	10,342
1,197.30	6,473	10,663
1,197.35	6,553	10,989
1,197.40	6,633	11,319
1,197.45	6,713	11,652
1,197.50	6,793	11,990
1,197.55	6,873	12,332
1,197.60	6,953	12,677
1,197.65	7,033	13,027
1,197.70	7,113	13,381
1,197.75	7,192	13,738
1,197.80	7,272	14,100
1,197.85	7,352	14,465
1,197.90	7,432	14,835
1,197.95	7,512	15,209
1,198.00	7,592	15,586
1,198.05	7,672	15,968
1,198.10	7,752	16,353
1,198.15	7,831	16,743
1,198.20	7,911	17,137
1,198.25	7,991	17,534
1,198.30	8,071	17,936
1,198.35	8,151	18,341
1,198.40	8,231	18,751
1,198.45	8,311	19,164
1,198.50	8,391	19,582
1,198.55	8,470	20,003
1,198.60	8,550	20,429
1,198.65	8,630	20,858
1,198.70	8,710	21,292
1,198.75	8,790	21,729
1,198.80	8,870	22,171
1,198.85	8,950	22,616
1,198.90	9,030	23,066
1,198.95	9,110	23,519
1,199.00	9,189	23,977
1,199.05	9,269	24,438
1,199.10	9,349	24,904
1,199.15	9,429	25,373
1,199.20	9,509	25,847
1,199.25	9,589	26,324
1,199.30	9,669	26,806
1,199.35	9,749	27,291
1,199.40	9,828	27,780
1,199.45	9,908	28,274
1,199.50	9,988	28,771
1,199.55	10,068	29,273
1,199.60	10,148	29,778
1,199.65	10,228	30,287
1,199.70	10,308	30,801
1,199.75	10,388	31,318
1,199.80	10,467	31,840
1,199.85	10,547	32,365
1,199.90	10,627	32,894
1,199.95	10,707	33,428
1,200.00	**10,787**	**33,965**

Summary for Pond P3C: Pond 3C

Inflow Area = 2.490 ac, 22.89% Impervious, Inflow Depth = 2.37" for 25 YR event
Inflow = 9.25 cfs @ 12.13 hrs, Volume= 0.491 af
Outflow = 2.08 cfs @ 12.44 hrs, Volume= 0.491 af, Atten= 77%, Lag= 18.1 min
Primary = 1.72 cfs @ 12.44 hrs, Volume= 0.206 af
Routed to Link 4L : Post - North
Secondary = 0.36 cfs @ 12.44 hrs, Volume= 0.286 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,180.67' @ 12.44 hrs Surf.Area= 4,321 sf Storage= 8,327 cf

Plug-Flow detention time= 116.3 min calculated for 0.491 af (100% of inflow)
Center-of-Mass det. time= 116.3 min (937.4 - 821.1)

Volume	Invert	Avail.Storage	Storage Description
#1	1,178.00'	14,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

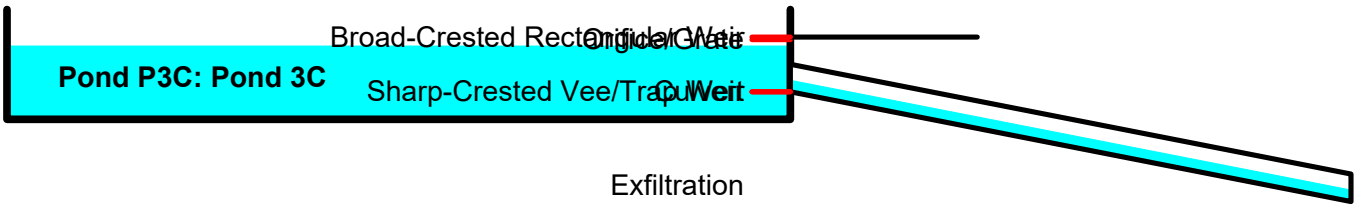
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,178.00	1,905	0	0
1,182.00	5,518	14,846	14,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,179.00'	**12.0" Round Culvert** L= 30.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,179.00' / 1,175.00' S= 0.1333 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,179.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,180.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,178.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,181.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=1.72 cfs @ 12.44 hrs HW=1,180.67' (Free Discharge)
└**1=Culvert** (Passes 1.72 cfs of 4.10 cfs potential flow)
├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 1.72 cfs @ 3.48 fps)
└**3=Orifice/Grate** (Controls 0.00 cfs)

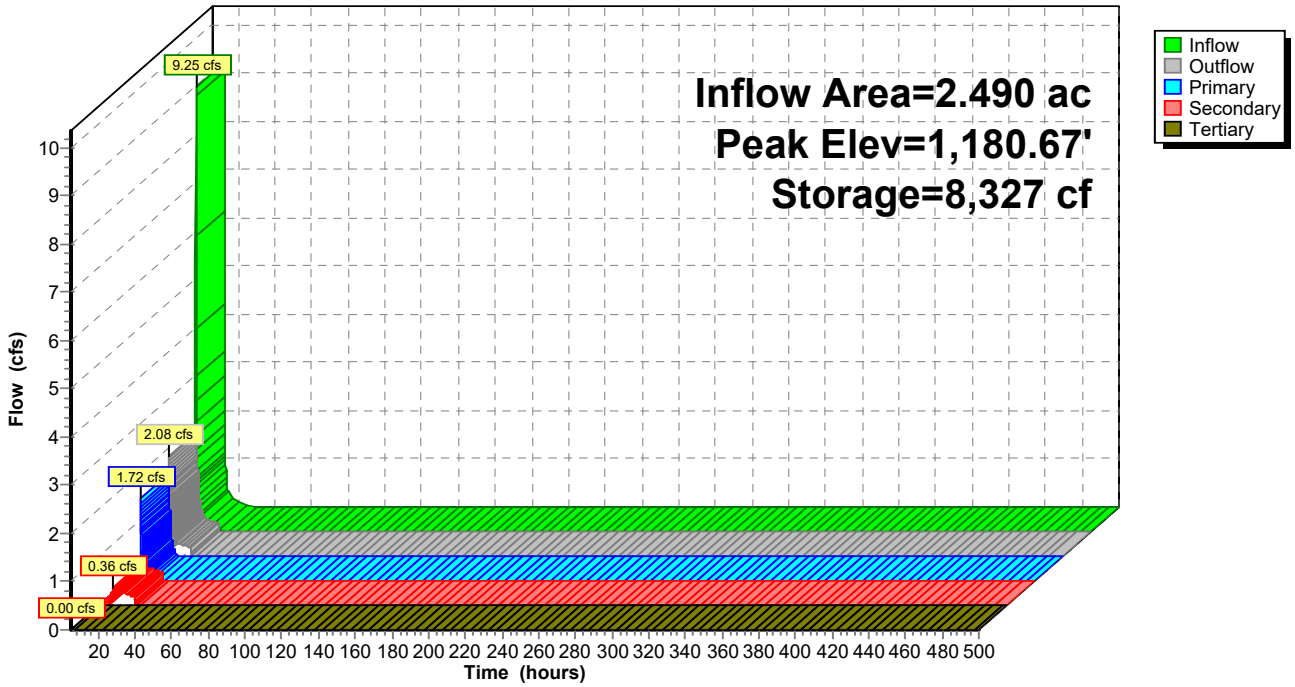
Secondary OutFlow Max=0.36 cfs @ 12.44 hrs HW=1,180.67' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.36 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,178.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

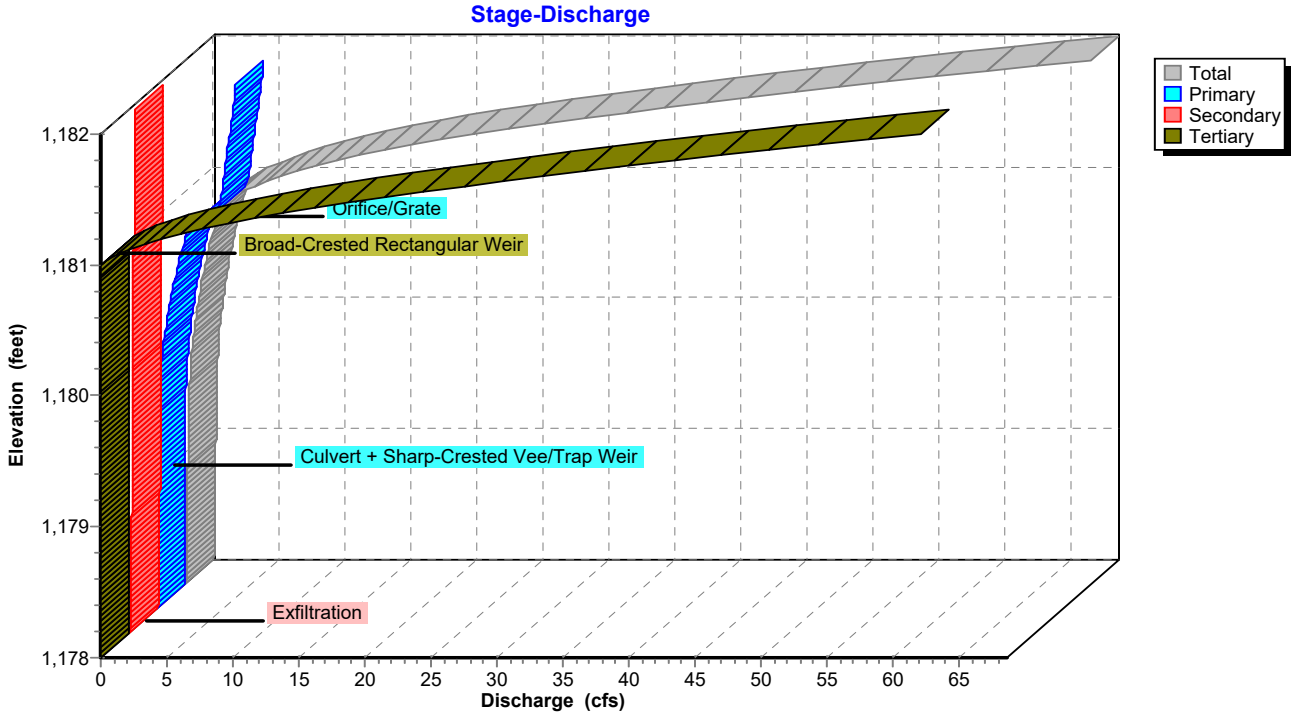


Pond P3C: Pond 3C

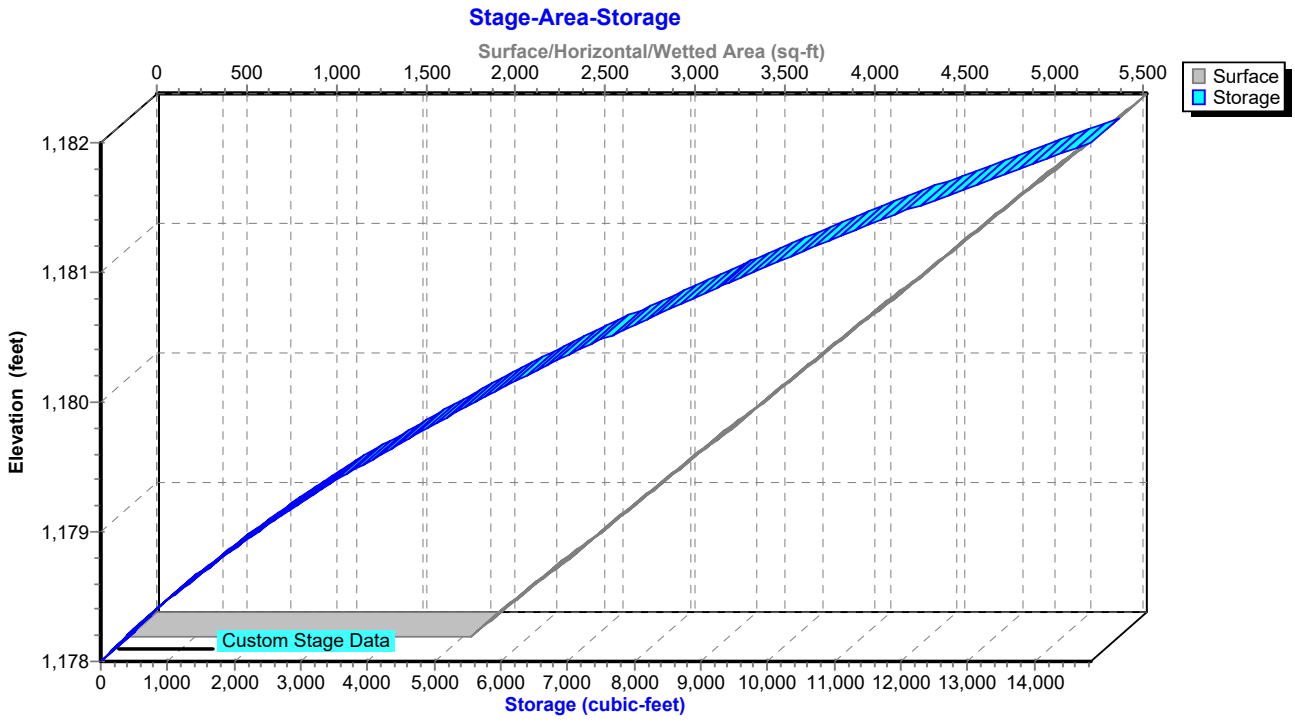
Hydrograph



Pond P3C: Pond 3C



Pond P3C: Pond 3C



Hydrograph for Pond P3C: Pond 3C

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,178.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.34**	**4,615**	**1,179.72**	**0.50**	**0.21**	**0.29**	0.00
25.00	0.00	9	1,178.00	0.02	0.00	0.02	0.00
35.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3C: Pond 3C

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,178.00	0.00	0.00	0.00	0.00
1,178.10	0.17	0.00	0.17	0.00
1,178.20	0.17	0.00	0.17	0.00
1,178.30	0.18	0.00	0.18	0.00
1,178.40	0.19	0.00	0.19	0.00
1,178.50	0.20	0.00	0.20	0.00
1,178.60	0.20	0.00	0.20	0.00
1,178.70	0.21	0.00	0.21	0.00
1,178.80	0.22	0.00	0.22	0.00
1,178.90	0.23	0.00	0.23	0.00
1,179.00	0.23	0.00	0.23	0.00
1,179.10	0.24	0.00	0.24	0.00
1,179.20	0.26	0.01	0.25	0.00
1,179.30	0.28	0.02	0.26	0.00
1,179.40	0.31	0.05	0.26	0.00
1,179.50	0.36	0.08	0.27	0.00
1,179.60	0.41	0.13	0.28	0.00
1,179.70	0.48	0.19	0.29	0.00
1,179.80	0.57	0.27	0.29	0.00
1,179.90	0.67	0.36	0.30	0.00
1,180.00	0.78	0.47	0.31	0.00
1,180.10	0.92	0.60	0.32	0.00
1,180.20	1.07	0.75	0.32	0.00
1,180.30	1.25	0.91	0.33	0.00
1,180.40	1.44	1.10	0.34	0.00
1,180.50	1.65	1.31	0.35	0.00
1,180.60	1.89	1.54	0.35	0.00
1,180.70	2.15	1.79	0.36	0.00
1,180.80	2.43	2.06	0.37	0.00
1,180.90	2.74	2.36	0.38	0.00
1,181.00	4.10	3.72	0.38	0.00
1,181.10	6.78	4.78	0.39	1.60
1,181.20	9.93	4.93	0.40	4.60
1,181.30	14.18	5.07	0.41	8.70
1,181.40	19.41	5.21	0.41	13.78
1,181.50	25.85	5.35	0.42	20.08
1,181.60	33.42	5.48	0.43	27.51
1,181.70	41.15	5.61	0.44	35.10
1,181.80	49.60	5.74	0.44	43.42
1,181.90	58.76	5.86	0.45	52.45
1,182.00	**68.62**	**5.98**	**0.46**	**62.18**

Stage-Area-Storage for Pond P3C: Pond 3C

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,178.00	1,905	0
1,178.05	1,950	96
1,178.10	1,995	195
1,178.15	2,040	296
1,178.20	2,086	399
1,178.25	2,131	504
1,178.30	2,176	612
1,178.35	2,221	722
1,178.40	2,266	834
1,178.45	2,311	949
1,178.50	2,357	1,065
1,178.55	2,402	1,184
1,178.60	2,447	1,306
1,178.65	2,492	1,429
1,178.70	2,537	1,555
1,178.75	2,582	1,683
1,178.80	2,628	1,813
1,178.85	2,673	1,946
1,178.90	2,718	2,080
1,178.95	2,763	2,217
1,179.00	2,808	2,357
1,179.05	2,853	2,498
1,179.10	2,899	2,642
1,179.15	2,944	2,788
1,179.20	2,989	2,936
1,179.25	3,034	3,087
1,179.30	3,079	3,240
1,179.35	3,124	3,395
1,179.40	3,170	3,552
1,179.45	3,215	3,712
1,179.50	3,260	3,874
1,179.55	3,305	4,038
1,179.60	3,350	4,204
1,179.65	3,395	4,373
1,179.70	3,441	4,544
1,179.75	3,486	4,717
1,179.80	3,531	4,892
1,179.85	3,576	5,070
1,179.90	3,621	5,250
1,179.95	3,666	5,432
1,180.00	3,712	5,617
1,180.05	3,757	5,803
1,180.10	3,802	5,992
1,180.15	3,847	6,183
1,180.20	3,892	6,377
1,180.25	3,937	6,573
1,180.30	3,982	6,771
1,180.35	4,028	6,971
1,180.40	4,073	7,173
1,180.45	4,118	7,378
1,180.50	4,163	7,585
1,180.55	4,208	7,794
1,180.60	4,253	8,006
1,180.65	4,299	8,220
1,180.70	4,344	8,436
1,180.75	4,389	8,654
1,180.80	4,434	8,875
1,180.85	4,479	9,098
1,180.90	4,524	9,323
1,180.95	4,570	9,550
1,181.00	4,615	9,780
1,181.05	4,660	10,011
1,181.10	4,705	10,246
1,181.15	4,750	10,482
1,181.20	4,795	10,721
1,181.25	4,841	10,962
1,181.30	4,886	11,205
1,181.35	4,931	11,450
1,181.40	4,976	11,698
1,181.45	5,021	11,948
1,181.50	5,066	12,200
1,181.55	5,112	12,454
1,181.60	5,157	12,711
1,181.65	5,202	12,970
1,181.70	5,247	13,231
1,181.75	5,292	13,495
1,181.80	5,337	13,760
1,181.85	5,383	14,028
1,181.90	5,428	14,299
1,181.95	5,473	14,571
1,182.00	**5,518**	**14,846**

Summary for Pond P3D: Pond 3D

Inflow Area = 2.380 ac, 23.95% Impervious, Inflow Depth = 2.45" for 25 YR event
Inflow = 9.15 cfs @ 12.13 hrs, Volume= 0.487 af
Outflow = 4.56 cfs @ 12.25 hrs, Volume= 0.487 af, Atten= 50%, Lag= 6.9 min
Primary = 4.31 cfs @ 12.25 hrs, Volume= 0.312 af
Routed to Link 4L : Post - North
Secondary = 0.24 cfs @ 12.25 hrs, Volume= 0.174 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,190.42' @ 12.25 hrs Surf.Area= 2,905 sf Storage= 6,232 cf

Plug-Flow detention time= 72.6 min calculated for 0.487 af (100% of inflow)
Center-of-Mass det. time= 72.5 min (891.5 - 818.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1,187.00'	11,620 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

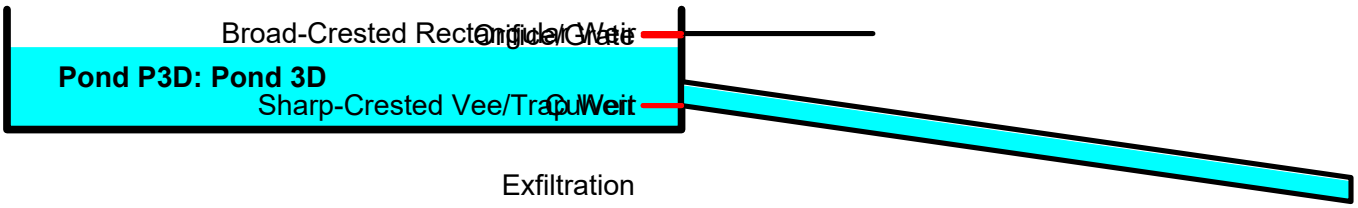
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,187.00	741	0	0
1,192.00	3,907	11,620	11,620

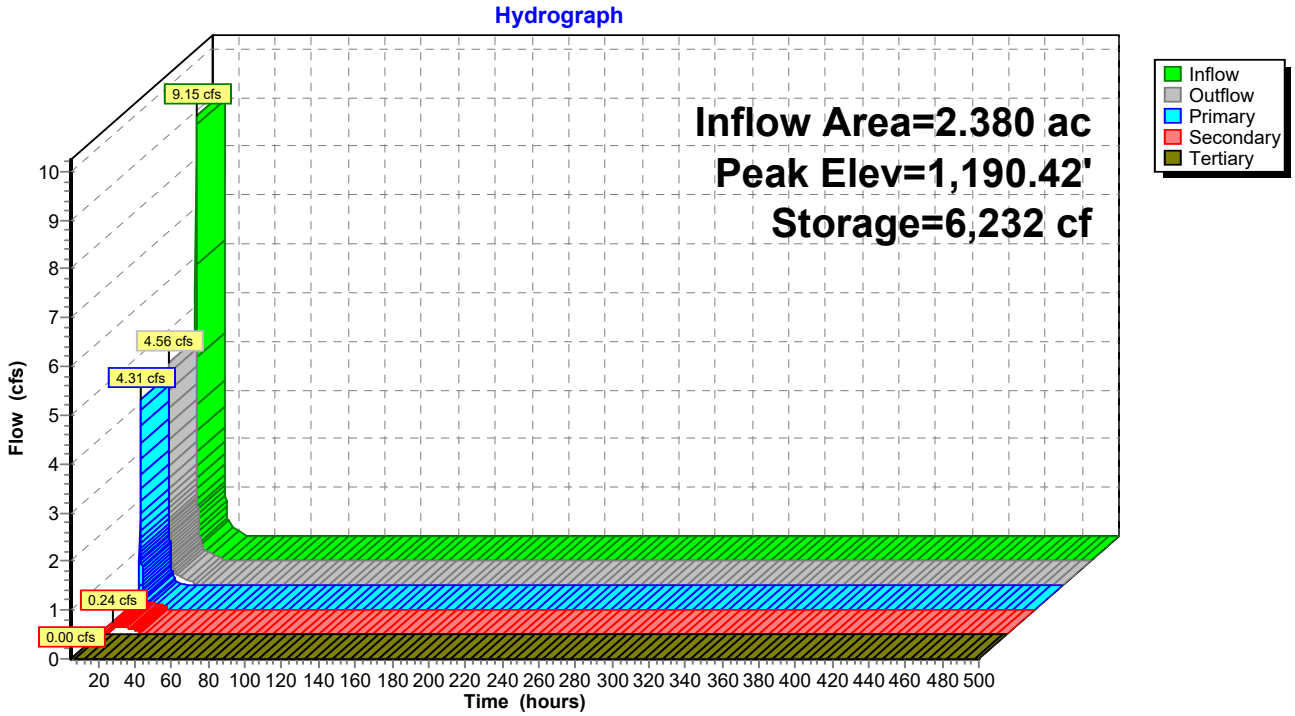
Device	Routing	Invert	Outlet Devices
#1	Primary	1,188.00'	**12.0" Round Culvert** L= 35.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,188.00' / 1,184.00' S= 0.1143 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,188.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,190.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,187.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,191.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=4.30 cfs @ 12.25 hrs HW=1,190.42' (Free Discharge)
└**1=Culvert** (Passes 4.30 cfs of 5.23 cfs potential flow)
  ├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 4.30 cfs @ 4.18 fps)
  └**3=Orifice/Grate** (Controls 0.00 cfs)

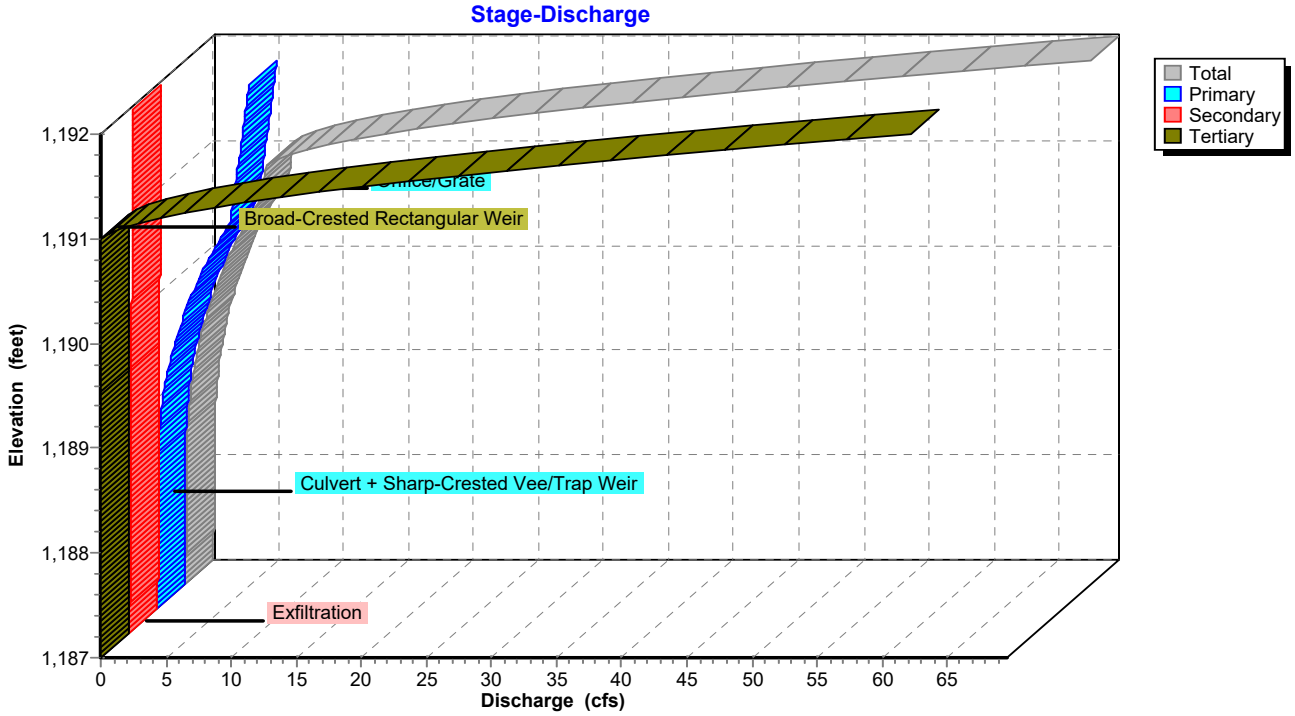
Secondary OutFlow Max=0.24 cfs @ 12.25 hrs HW=1,190.42' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.24 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,187.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

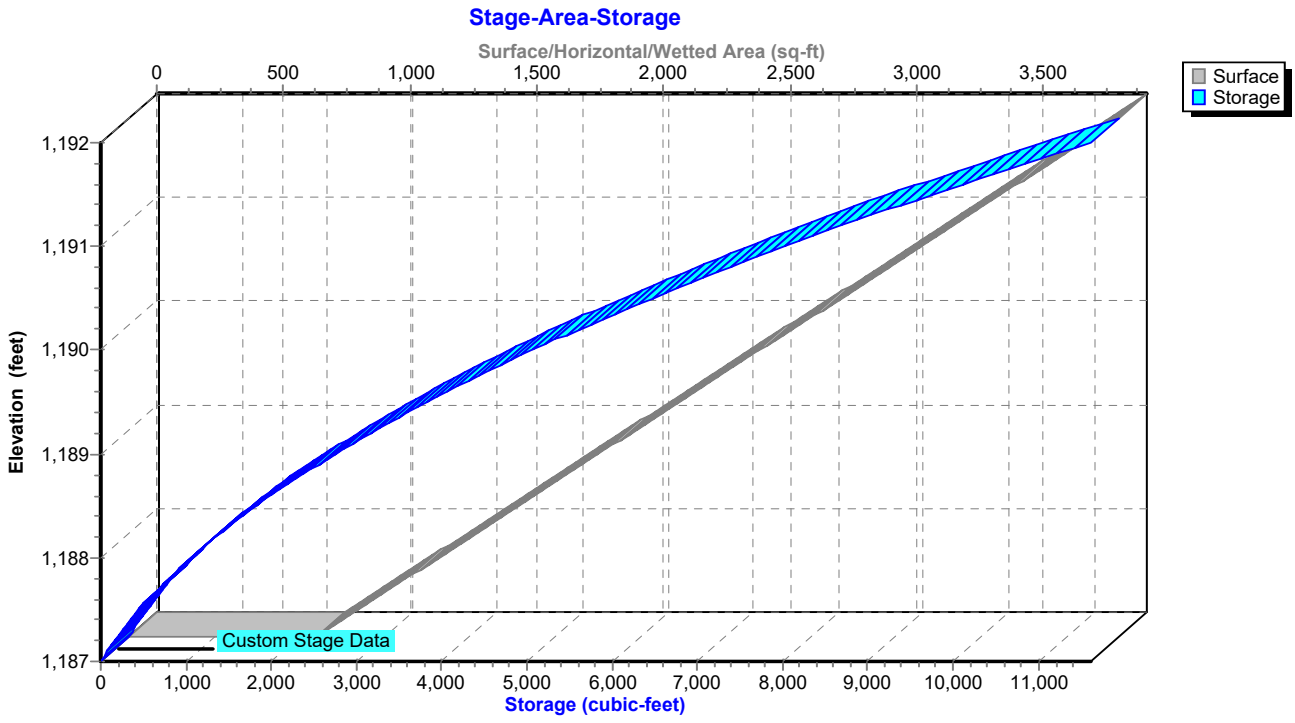

Broad-Crested Rectangular Weir
Orifice/Grate
Pond P3D: Pond 3D
Sharp-Crested Vee/Trap Weir
Outlet
Exfiltration


Pond P3D: Pond 3D
Hydrograph
Inflow Area=2.380 ac
Peak Elev=1,190.42'
Storage=6,232 cf
9.15 cfs
4.56 cfs
4.31 cfs
0.24 cfs
0.00 cfs
Inflow
Outflow
Primary
Secondary
Tertiary
Flow (cfs)
Time (hours)

Pond P3D: Pond 3D



Pond P3D: Pond 3D



Hydrograph for Pond P3D: Pond 3D

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,187.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.33**	**2,246**	**1,188.74**	**0.38**	**0.22**	**0.15**	0.00
25.00	0.00	485	1,187.53	0.09	0.00	0.09	0.00
35.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3D: Pond 3D

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,187.00	0.00	0.00	0.00	0.00
1,187.10	0.07	0.00	0.07	0.00
1,187.20	0.07	0.00	0.07	0.00
1,187.30	0.08	0.00	0.08	0.00
1,187.40	0.08	0.00	0.08	0.00
1,187.50	0.09	0.00	0.09	0.00
1,187.60	0.09	0.00	0.09	0.00
1,187.70	0.10	0.00	0.10	0.00
1,187.80	0.10	0.00	0.10	0.00
1,187.90	0.11	0.00	0.11	0.00
1,188.00	0.11	0.00	0.11	0.00
1,188.10	0.12	0.00	0.12	0.00
1,188.20	0.13	0.01	0.13	0.00
1,188.30	0.15	0.02	0.13	0.00
1,188.40	0.18	0.05	0.14	0.00
1,188.50	0.22	0.08	0.14	0.00
1,188.60	0.28	0.13	0.15	0.00
1,188.70	0.35	0.19	0.15	0.00
1,188.80	0.43	0.27	0.16	0.00
1,188.90	0.53	0.36	0.16	0.00
1,189.00	0.64	0.47	0.17	0.00
1,189.10	0.77	0.60	0.17	0.00
1,189.20	0.93	0.75	0.18	0.00
1,189.30	1.10	0.91	0.18	0.00
1,189.40	1.29	1.10	0.19	0.00
1,189.50	1.50	1.31	0.19	0.00
1,189.60	1.73	1.54	0.20	0.00
1,189.70	1.99	1.79	0.20	0.00
1,189.80	2.27	2.06	0.21	0.00
1,189.90	2.58	2.36	0.21	0.00
1,190.00	2.90	2.68	0.22	0.00
1,190.10	3.26	3.03	0.23	0.00
1,190.20	3.64	3.41	0.23	0.00
1,190.30	4.04	3.81	0.24	0.00
1,190.40	4.47	4.23	0.24	0.00
1,190.50	4.93	4.69	0.25	0.00
1,190.60	5.42	5.17	0.25	0.00
1,190.70	5.87	5.61	0.26	0.00
1,190.80	6.00	5.74	0.26	0.00
1,190.90	6.13	5.86	0.27	0.00
1,191.00	6.25	5.98	0.27	0.00
1,191.10	7.98	6.10	0.28	1.60
1,191.20	11.09	6.21	0.28	4.60
1,191.30	15.31	6.33	0.29	8.70
1,191.40	20.52	6.44	0.29	13.78
1,191.50	26.93	6.55	0.30	20.08
1,191.60	34.47	6.66	0.30	27.51
1,191.70	42.18	6.76	0.31	35.10
1,191.80	50.61	6.87	0.32	43.42
1,191.90	59.75	6.97	0.32	52.45
1,192.00	**69.58**	**7.07**	**0.33**	**62.18**

Stage-Area-Storage for Pond P3D: Pond 3D

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,187.00	741	0
1,187.05	773	38
1,187.10	804	77
1,187.15	836	118
1,187.20	868	161
1,187.25	899	205
1,187.30	931	251
1,187.35	963	298
1,187.40	994	347
1,187.45	1,026	398
1,187.50	1,058	450
1,187.55	1,089	503
1,187.60	1,121	559
1,187.65	1,153	615
1,187.70	1,184	674
1,187.75	1,216	734
1,187.80	1,248	795
1,187.85	1,279	859
1,187.90	1,311	923
1,187.95	1,343	990
1,188.00	1,374	1,058
1,188.05	1,406	1,127
1,188.10	1,438	1,198
1,188.15	1,469	1,271
1,188.20	1,501	1,345
1,188.25	1,533	1,421
1,188.30	1,564	1,498
1,188.35	1,596	1,577
1,188.40	1,627	1,658
1,188.45	1,659	1,740
1,188.50	1,691	1,824
1,188.55	1,722	1,909
1,188.60	1,754	1,996
1,188.65	1,786	2,085
1,188.70	1,817	2,175
1,188.75	1,849	2,266
1,188.80	1,881	2,360
1,188.85	1,912	2,454
1,188.90	1,944	2,551
1,188.95	1,976	2,649
1,189.00	2,007	2,748
1,189.05	2,039	2,850
1,189.10	2,071	2,952
1,189.15	2,102	3,057
1,189.20	2,134	3,163
1,189.25	2,166	3,270
1,189.30	2,197	3,379
1,189.35	2,229	3,490
1,189.40	2,261	3,602
1,189.45	2,292	3,716
1,189.50	2,324	3,831
1,189.55	2,356	3,948
1,189.60	2,387	4,067
1,189.65	2,419	4,187
1,189.70	2,451	4,309
1,189.75	2,482	4,432
1,189.80	2,514	4,557
1,189.85	2,546	4,683
1,189.90	2,577	4,812
1,189.95	2,609	4,941
1,190.00	2,641	5,072
1,190.05	2,672	5,205
1,190.10	2,704	5,340
1,190.15	2,736	5,476
1,190.20	2,767	5,613
1,190.25	2,799	5,752
1,190.30	2,831	5,893
1,190.35	2,862	6,035
1,190.40	2,894	6,179
1,190.45	2,926	6,325
1,190.50	2,957	6,472
1,190.55	2,989	6,621
1,190.60	3,021	6,771
1,190.65	3,052	6,923
1,190.70	3,084	7,076
1,190.75	3,116	7,231
1,190.80	3,147	7,388
1,190.85	3,179	7,546
1,190.90	3,210	7,705
1,190.95	3,242	7,867
1,191.00	3,274	8,030
1,191.05	3,305	8,194
1,191.10	3,337	8,360
1,191.15	3,369	8,528
1,191.20	3,400	8,697
1,191.25	3,432	8,868
1,191.30	3,464	9,040
1,191.35	3,495	9,214
1,191.40	3,527	9,390
1,191.45	3,559	9,567
1,191.50	3,590	9,746
1,191.55	3,622	9,926
1,191.60	3,654	10,108
1,191.65	3,685	10,291
1,191.70	3,717	10,476
1,191.75	3,749	10,663
1,191.80	3,780	10,851
1,191.85	3,812	11,041
1,191.90	3,844	11,232
1,191.95	3,875	11,425
1,192.00	**3,907**	**11,620**

Summary for Pond P3E: Pond 3E

Inflow Area = 2.780 ac, 19.06% Impervious, Inflow Depth = 2.28" for 25 YR event
Inflow = 9.96 cfs @ 12.13 hrs, Volume= 0.529 af
Outflow = 2.04 cfs @ 12.47 hrs, Volume= 0.529 af, Atten= 80%, Lag= 20.3 min
Primary = 1.67 cfs @ 12.47 hrs, Volume= 0.212 af
Routed to Link 4L : Post - North
Secondary = 0.36 cfs @ 12.47 hrs, Volume= 0.318 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,218.66' @ 12.47 hrs Surf.Area= 4,346 sf Storage= 9,113 cf

Plug-Flow detention time= 126.7 min calculated for 0.529 af (100% of inflow)
Center-of-Mass det. time= 126.7 min (949.9 - 823.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1,216.00'	15,578 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

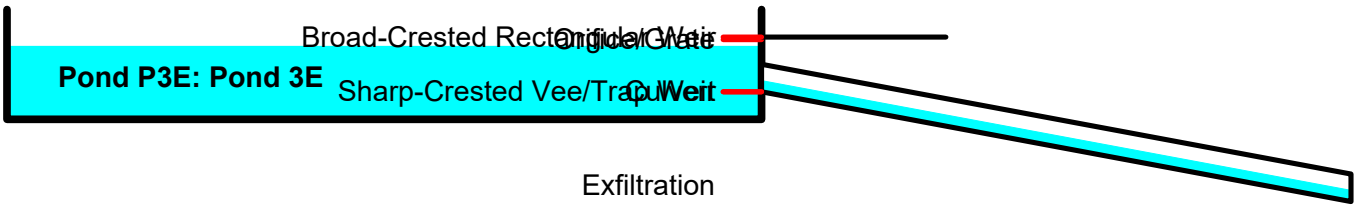
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,216.00	2,517	0	0
1,220.00	5,272	15,578	15,578

Device	Routing	Invert	Outlet Devices
#1	Primary	1,217.00'	**12.0" Round Culvert** L= 32.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,217.00' / 1,213.00' S= 0.1250 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,217.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,218.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,216.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,219.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

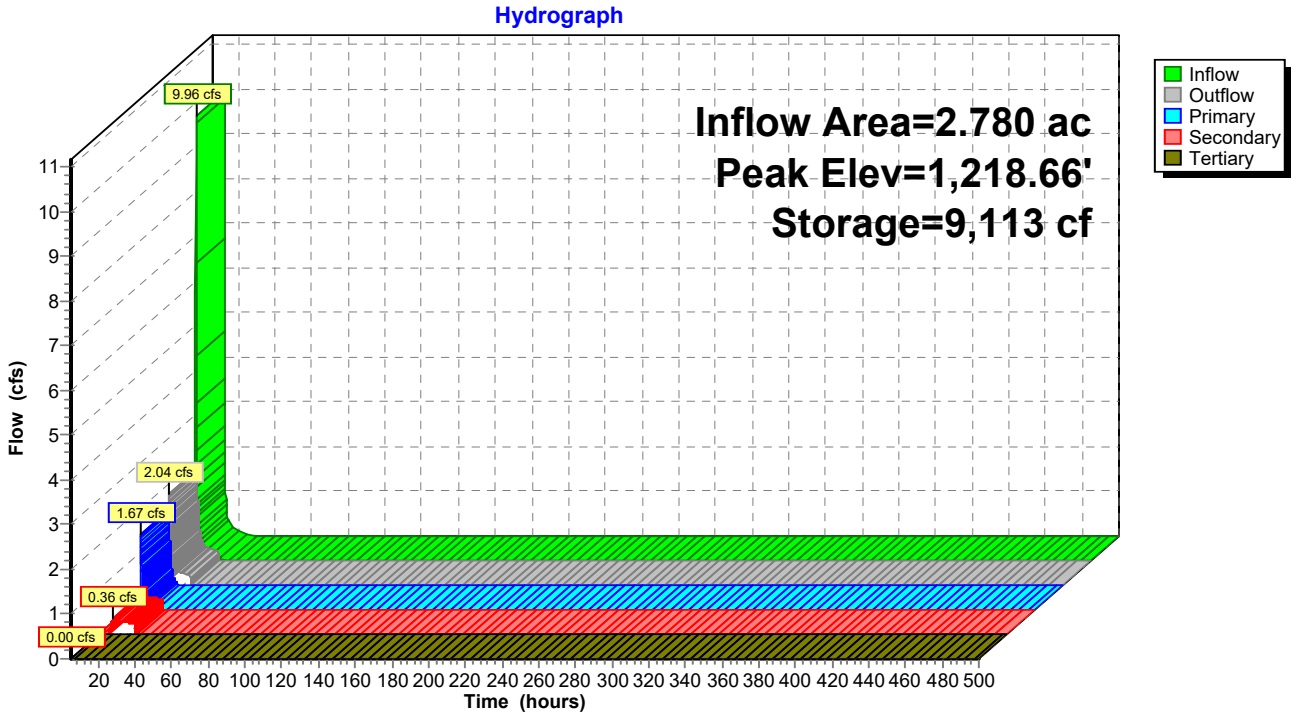
Primary OutFlow Max=1.67 cfs @ 12.47 hrs HW=1,218.65' (Free Discharge)
└**1=Culvert** (Passes 1.67 cfs of 4.06 cfs potential flow)
  ├**2=Sharp-Crested Vee/Trap Weir** (Weir Controls 1.67 cfs @ 3.46 fps)
  └**3=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.36 cfs @ 12.47 hrs HW=1,218.65' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.36 cfs)

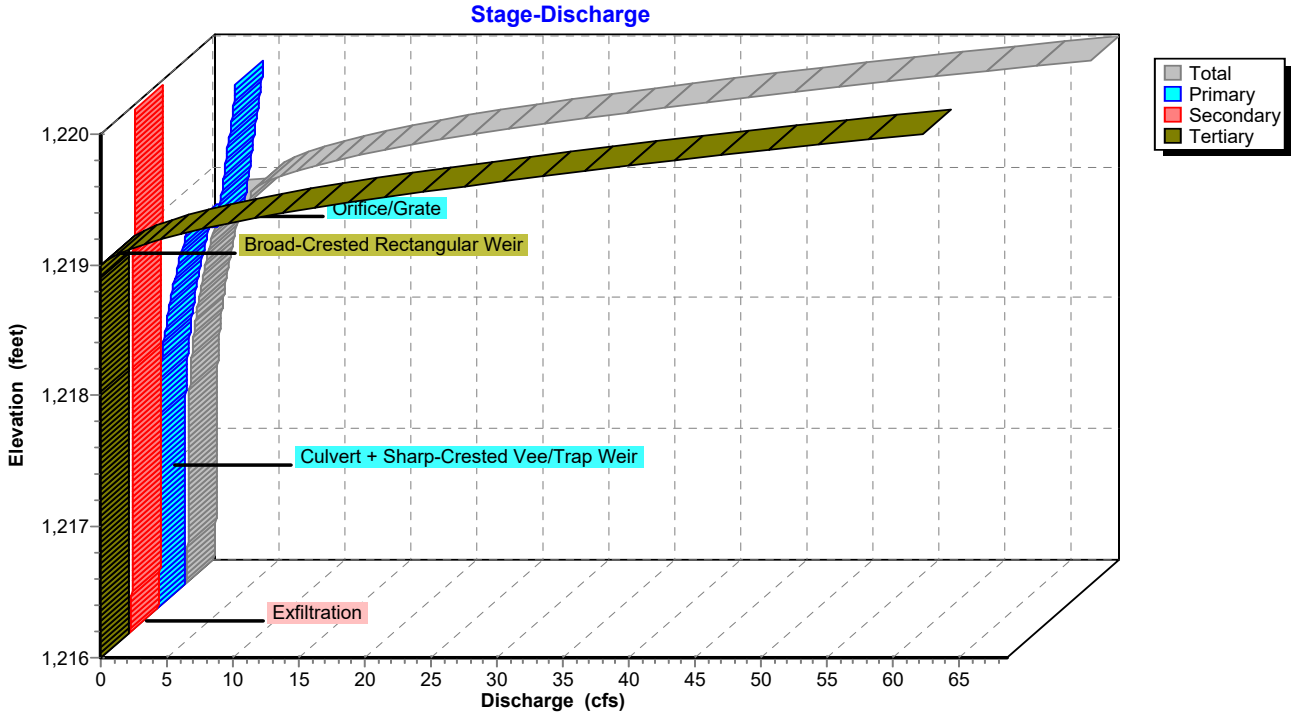
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,216.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



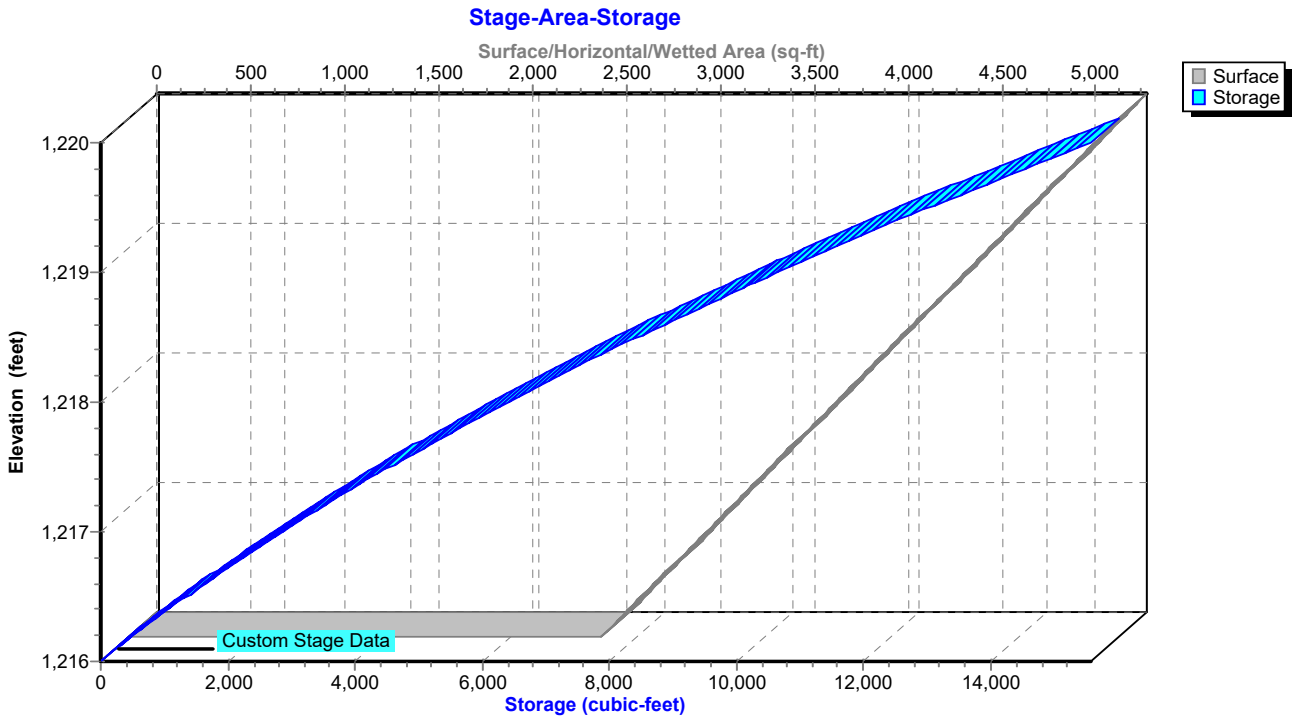
Pond P3E: Pond 3E



Pond P3E: Pond 3E



Pond P3E: Pond 3E



Hydrograph for Pond P3E: Pond 3E

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,216.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.37**	**5,470**	**1,217.75**	**0.54**	**0.23**	**0.31**	0.00
25.00	0.00	6	1,216.00	0.01	0.00	0.01	0.00
35.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3E: Pond 3E

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,216.00	0.00	0.00	0.00	0.00
1,216.10	0.22	0.00	0.22	0.00
1,216.20	0.22	0.00	0.22	0.00
1,216.30	0.23	0.00	0.23	0.00
1,216.40	0.23	0.00	0.23	0.00
1,216.50	0.24	0.00	0.24	0.00
1,216.60	0.24	0.00	0.24	0.00
1,216.70	0.25	0.00	0.25	0.00
1,216.80	0.26	0.00	0.26	0.00
1,216.90	0.26	0.00	0.26	0.00
1,217.00	0.27	0.00	0.27	0.00
1,217.10	0.27	0.00	0.27	0.00
1,217.20	0.29	0.01	0.28	0.00
1,217.30	0.31	0.02	0.28	0.00
1,217.40	0.34	0.05	0.29	0.00
1,217.50	0.38	0.08	0.30	0.00
1,217.60	0.43	0.13	0.30	0.00
1,217.70	0.50	0.19	0.31	0.00
1,217.80	0.58	0.27	0.31	0.00
1,217.90	0.68	0.36	0.32	0.00
1,218.00	0.80	0.47	0.32	0.00
1,218.10	0.93	0.60	0.33	0.00
1,218.20	1.08	0.75	0.34	0.00
1,218.30	1.26	0.91	0.34	0.00
1,218.40	1.45	1.10	0.35	0.00
1,218.50	1.66	1.31	0.35	0.00
1,218.60	1.89	1.54	0.36	0.00
1,218.70	2.15	1.79	0.36	0.00
1,218.80	2.43	2.06	0.37	0.00
1,218.90	2.74	2.36	0.38	0.00
1,219.00	5.01	4.63	0.38	0.00
1,219.10	6.77	4.78	0.39	1.60
1,219.20	9.92	4.93	0.39	4.60
1,219.30	14.17	5.07	0.40	8.70
1,219.40	19.40	5.21	0.40	13.78
1,219.50	25.84	5.35	0.41	20.08
1,219.60	33.40	5.48	0.42	27.51
1,219.70	41.13	5.61	0.42	35.10
1,219.80	49.59	5.74	0.43	43.42
1,219.90	58.74	5.86	0.43	52.45
1,220.00	**68.59**	**5.98**	**0.44**	**62.18**

Stage-Area-Storage for Pond P3E: Pond 3E

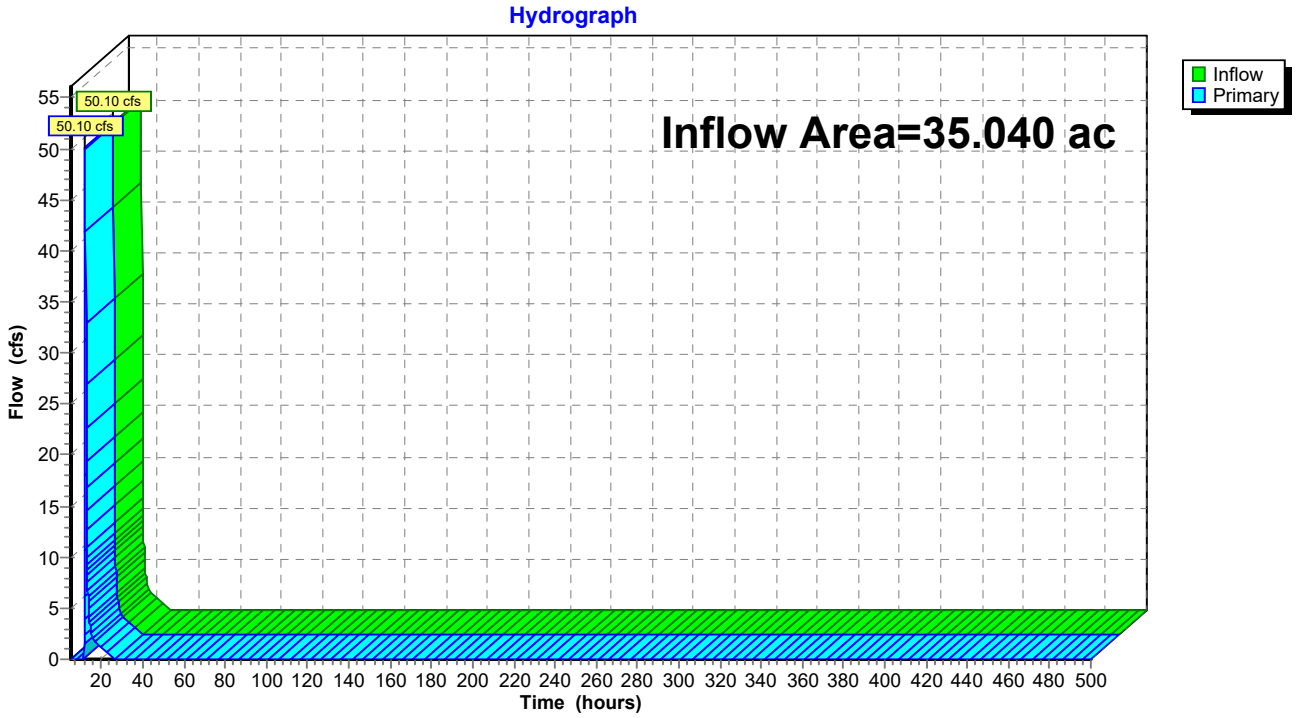
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,216.00	2,517	0
1,216.05	2,551	127
1,216.10	2,586	255
1,216.15	2,620	385
1,216.20	2,655	517
1,216.25	2,689	651
1,216.30	2,724	786
1,216.35	2,758	923
1,216.40	2,793	1,062
1,216.45	2,827	1,202
1,216.50	2,861	1,345
1,216.55	2,896	1,489
1,216.60	2,930	1,634
1,216.65	2,965	1,782
1,216.70	2,999	1,931
1,216.75	3,034	2,081
1,216.80	3,068	2,234
1,216.85	3,102	2,388
1,216.90	3,137	2,544
1,216.95	3,171	2,702
1,217.00	3,206	2,861
1,217.05	3,240	3,023
1,217.10	3,275	3,185
1,217.15	3,309	3,350
1,217.20	3,344	3,516
1,217.25	3,378	3,684
1,217.30	3,412	3,854
1,217.35	3,447	4,026
1,217.40	3,481	4,199
1,217.45	3,516	4,374
1,217.50	3,550	4,550
1,217.55	3,585	4,729
1,217.60	3,619	4,909
1,217.65	3,653	5,091
1,217.70	3,688	5,274
1,217.75	3,722	5,459
1,217.80	3,757	5,646
1,217.85	3,791	5,835
1,217.90	3,826	6,025
1,217.95	3,860	6,218
1,218.00	3,895	6,412
1,218.05	3,929	6,607
1,218.10	3,963	6,804
1,218.15	3,998	7,003
1,218.20	4,032	7,204
1,218.25	4,067	7,407
1,218.30	4,101	7,611
1,218.35	4,136	7,817
1,218.40	4,170	8,024
1,218.45	4,204	8,234
1,218.50	4,239	8,445
1,218.55	4,273	8,658
1,218.60	4,308	8,872
1,218.65	4,342	9,088
1,218.70	4,377	9,306
1,218.75	4,411	9,526
1,218.80	4,445	9,747
1,218.85	4,480	9,971
1,218.90	4,514	10,195
1,218.95	4,549	10,422
1,219.00	4,583	10,650
1,219.05	4,618	10,880
1,219.10	4,652	11,112
1,219.15	4,687	11,346
1,219.20	4,721	11,581
1,219.25	4,755	11,818
1,219.30	4,790	12,056
1,219.35	4,824	12,297
1,219.40	4,859	12,539
1,219.45	4,893	12,783
1,219.50	4,928	13,028
1,219.55	4,962	13,275
1,219.60	4,996	13,524
1,219.65	5,031	13,775
1,219.70	5,065	14,027
1,219.75	5,100	14,282
1,219.80	5,134	14,537
1,219.85	5,169	14,795
1,219.90	5,203	15,054
1,219.95	5,238	15,315
1,220.00	**5,272**	**15,578**

Summary for Link 1L: Total Pre - Development

Inflow Area = 35.040 ac, 0.00% Impervious, Inflow Depth = 1.18" for 25 YR event
Inflow = 50.10 cfs @ 12.19 hrs, Volume= 3.436 af
Primary = 50.10 cfs @ 12.19 hrs, Volume= 3.436 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 1L: Total Pre - Development



Hydrograph for Link 1L: Total Pre - Development

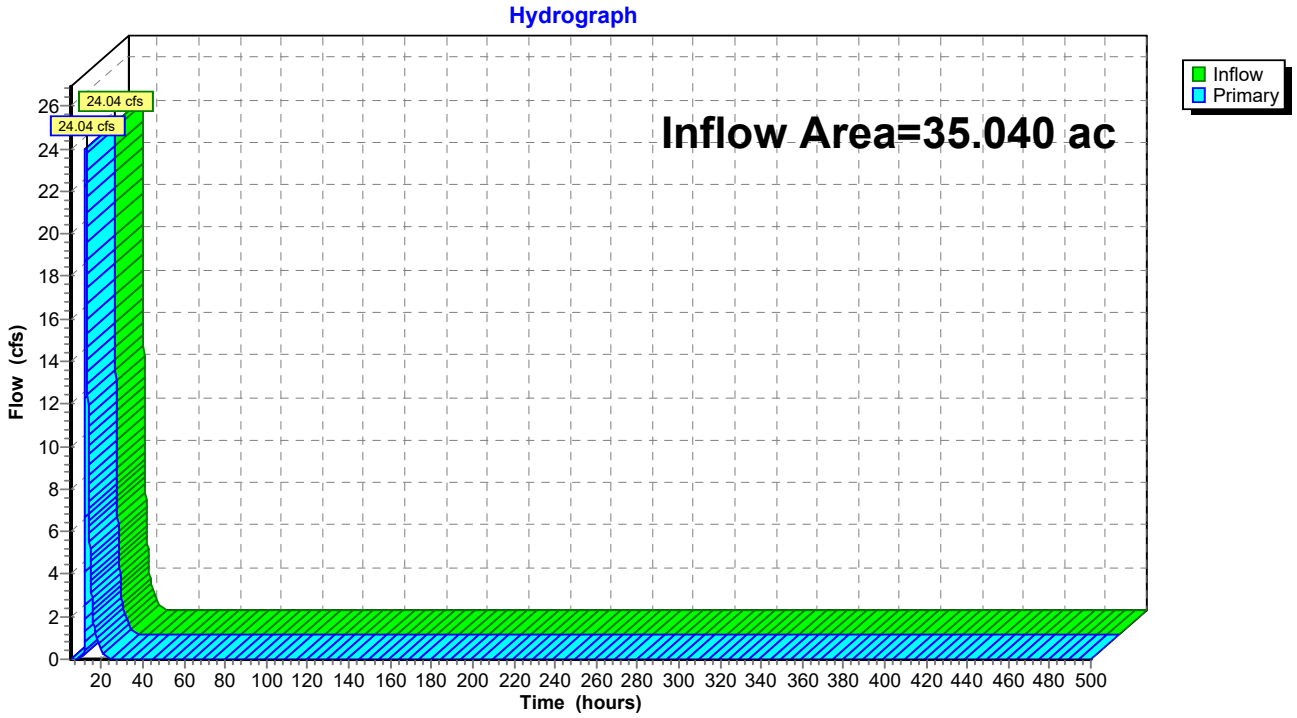
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**3.09**	0.00	**3.09**	270.00	0.00	0.00	0.00
20.00	1.19	0.00	1.19	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 2L: Total Post - Development

Inflow Area = 35.040 ac, 19.66% Impervious, Inflow Depth = 1.18" for 25 YR event
Inflow = 24.04 cfs @ 12.28 hrs, Volume= 3.439 af
Primary = 24.04 cfs @ 12.28 hrs, Volume= 3.439 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 2L: Total Post - Development



Hydrograph for Link 2L: Total Post - Development

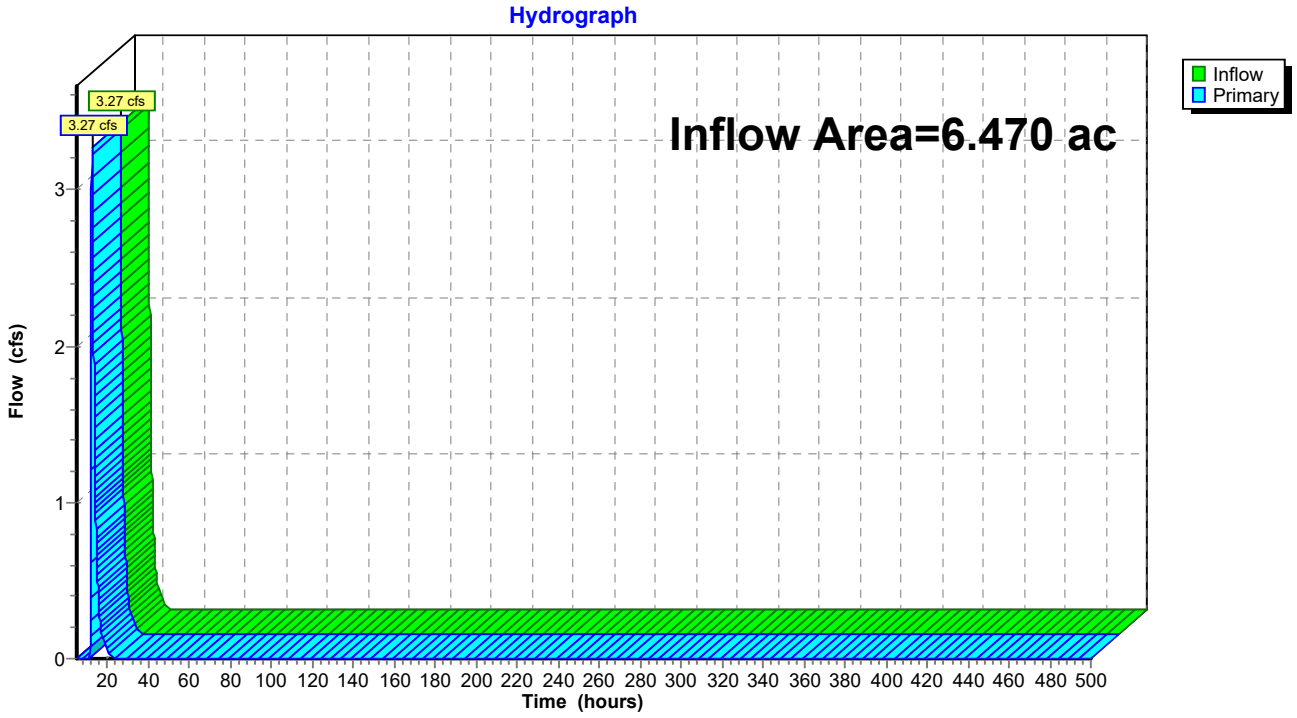
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.05**	0.00	**0.05**	265.00	0.00	0.00	0.00
15.00	**3.56**	0.00	**3.56**	270.00	0.00	0.00	0.00
20.00	0.38	0.00	0.38	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 3L: Post - South

Inflow Area = 6.470 ac, 18.70% Impervious, Inflow Depth = 0.92" for 25 YR event
Inflow = 3.27 cfs @ 12.45 hrs, Volume= 0.498 af
Primary = 3.27 cfs @ 12.45 hrs, Volume= 0.498 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 3L: Post - South



Hydrograph for Link 3L: Post - South

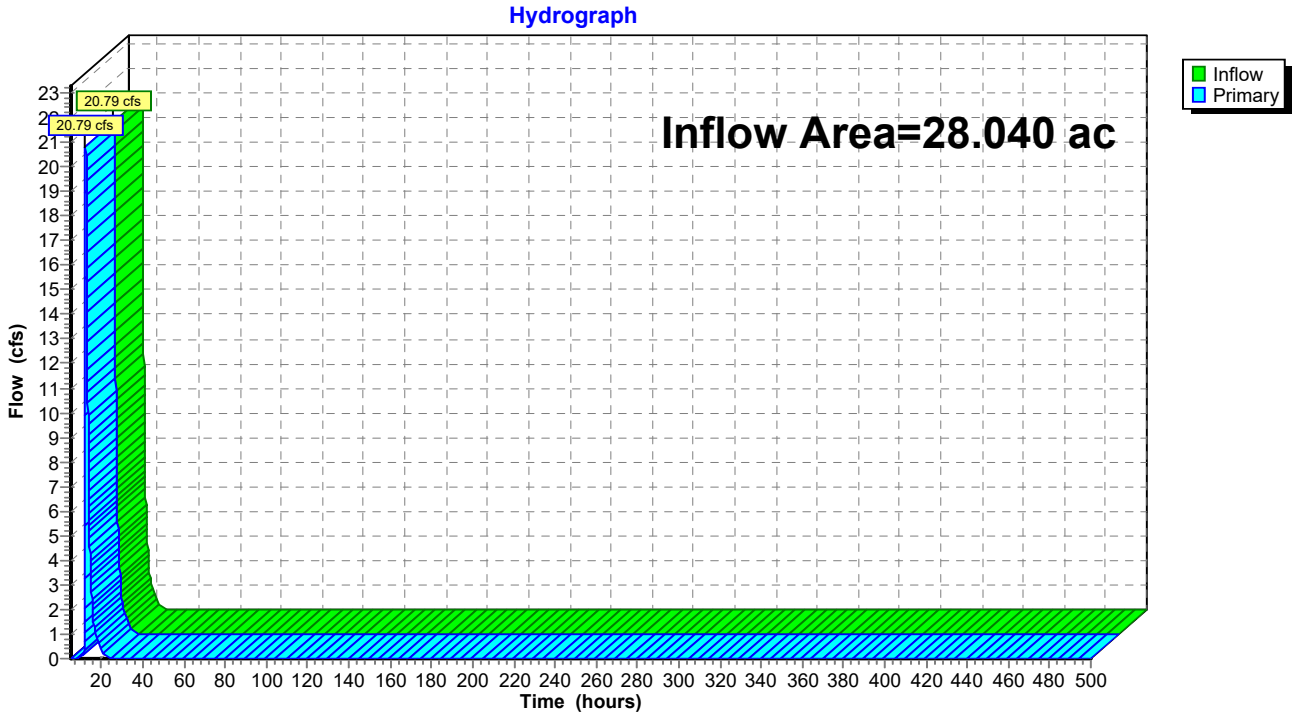
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.58**	0.00	**0.58**	270.00	0.00	0.00	0.00
20.00	0.04	0.00	0.04	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 4L: Post - North

Inflow Area = 28.040 ac, 20.04% Impervious, Inflow Depth = 1.23" for 25 YR event
Inflow = 20.79 cfs @ 12.27 hrs, Volume= 2.871 af
Primary = 20.79 cfs @ 12.27 hrs, Volume= 2.871 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 4L: Post - North



Hydrograph for Link 4L: Post - North

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.05**	0.00	**0.05**	265.00	0.00	0.00	0.00
15.00	**2.92**	0.00	**2.92**	270.00	0.00	0.00	0.00
20.00	0.32	0.00	0.32	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Time span=5.00-500.00 hrs, dt=0.05 hrs, 9901 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1: Pre - South Runoff Area=4.910 ac 0.00% Impervious Runoff Depth=1.58"
Tc=10.0 min CN=55 Runoff=9.61 cfs 0.645 af

Subcatchment1A: Post 1A Runoff Area=6.030 ac 19.24% Impervious Runoff Depth=2.70"
Tc=6.0 min CN=68 Runoff=25.52 cfs 1.356 af

Subcatchment1B: Post 1B - Offsite Runoff Area=0.440 ac 11.36% Impervious Runoff Depth=2.42"
Tc=6.0 min CN=65 Runoff=1.67 cfs 0.089 af

Subcatchment2: Pre - West Runoff Area=2.540 ac 0.00% Impervious Runoff Depth=1.58"
Tc=6.0 min CN=55 Runoff=5.96 cfs 0.333 af

Subcatchment2A: Post 2A - Offsite Runoff Area=0.530 ac 11.32% Impervious Runoff Depth=2.42"
Tc=6.0 min CN=65 Runoff=2.01 cfs 0.107 af

Subcatchment3: Pre - North Runoff Area=27.590 ac 0.00% Impervious Runoff Depth=1.99"
Tc=10.0 min CN=60 Runoff=71.12 cfs 4.569 af

Subcatchment3A: Post 3A Runoff Area=10.600 ac 18.58% Impervious Runoff Depth=2.88"
Tc=6.0 min CN=70 Runoff=47.96 cfs 2.548 af

Subcatchment3B: Post 3B Runoff Area=8.450 ac 19.88% Impervious Runoff Depth=2.98"
Tc=6.0 min CN=71 Runoff=39.47 cfs 2.098 af

Subcatchment3C: Post 3C Runoff Area=2.490 ac 22.89% Impervious Runoff Depth=3.37"
Tc=6.0 min CN=75 Runoff=13.07 cfs 0.699 af

Subcatchment3D: Post 3D Runoff Area=2.380 ac 23.95% Impervious Runoff Depth=3.47"
Tc=6.0 min CN=76 Runoff=12.83 cfs 0.688 af

Subcatchment3E: Post 3E Runoff Area=2.780 ac 19.06% Impervious Runoff Depth=3.27"
Tc=6.0 min CN=74 Runoff=14.19 cfs 0.757 af

Subcatchment3Y: Post 3Y - Offsite Runoff Area=0.820 ac 36.59% Impervious Runoff Depth=4.18"
Tc=6.0 min CN=83 Runoff=5.20 cfs 0.286 af

Subcatchment3Z: Post 3Z - Offsite Runoff Area=0.520 ac 0.00% Impervious Runoff Depth=3.27"
Tc=6.0 min CN=74 Runoff=2.65 cfs 0.142 af

Subcatchment5S: Culvert 1 Runoff Area=4,797 sf 48.61% Impervious Runoff Depth=3.77"
Tc=6.0 min CN=79 Runoff=0.64 cfs 0.035 af

Subcatchment6S: Culvert 2 Runoff Area=24,708 sf 36.87% Impervious Runoff Depth=3.37"
Tc=6.0 min CN=75 Runoff=2.98 cfs 0.159 af

Subcatchment7S: Culvert 3 Runoff Area=41,517 sf 32.00% Impervious Runoff Depth=3.17"
Tc=6.0 min CN=73 Runoff=4.73 cfs 0.252 af

Subcatchment8S: Culvert 4 Runoff Area=209,603 sf 25.18% Impervious Runoff Depth=2.88"
Tc=6.0 min CN=70 Runoff=21.77 cfs 1.157 af

Subcatchment9S: Culvert 5 Runoff Area=188,836 sf 19.96% Impervious Runoff Depth=2.70"
Tc=6.0 min CN=68 Runoff=18.35 cfs 0.975 af

Pond P1A: Pond 1A Peak Elev=1,242.96' Storage=21,220 cf Inflow=25.52 cfs 1.356 af
Primary=5.93 cfs 0.818 af Secondary=0.69 cfs 0.537 af Tertiary=0.00 cfs 0.000 af Outflow=6.62 cfs 1.356 af

Pond P3A: Pond 3A Peak Elev=1,197.22' Storage=42,103 cf Inflow=47.96 cfs 2.548 af
Primary=7.30 cfs 1.598 af Secondary=1.00 cfs 0.844 af Tertiary=5.43 cfs 0.106 af Outflow=13.73 cfs 2.548 af

Pond P3B: Pond 3B Peak Elev=1,199.47' Storage=28,439 cf Inflow=39.47 cfs 2.098 af
Primary=6.51 cfs 1.159 af Secondary=0.83 cfs 0.668 af Tertiary=17.18 cfs 0.271 af Outflow=24.52 cfs 2.098 af

Pond P3C: Pond 3C Peak Elev=1,181.10' Storage=10,244 cf Inflow=13.07 cfs 0.699 af
Primary=4.78 cfs 0.358 af Secondary=0.39 cfs 0.326 af Tertiary=1.62 cfs 0.014 af Outflow=6.79 cfs 0.699 af

Pond P3D: Pond 3D Peak Elev=1,191.05' Storage=8,209 cf Inflow=12.83 cfs 0.688 af
Primary=6.04 cfs 0.488 af Secondary=0.28 cfs 0.196 af Tertiary=0.57 cfs 0.004 af Outflow=6.89 cfs 0.688 af

Pond P3E: Pond 3E Peak Elev=1,219.11' Storage=11,171 cf Inflow=14.19 cfs 0.757 af
Primary=4.80 cfs 0.380 af Secondary=0.39 cfs 0.361 af Tertiary=1.93 cfs 0.016 af Outflow=7.12 cfs 0.757 af

Link 1L: Total Pre - Development Inflow=85.40 cfs 5.547 af
Primary=85.40 cfs 5.547 af

Link 2L: Total Post - Development Inflow=41.84 cfs 5.425 af
Primary=41.84 cfs 5.425 af

Link 3L: Post - South Inflow=6.55 cfs 0.907 af
Primary=6.55 cfs 0.907 af

Link 4L: Post - North Inflow=34.01 cfs 4.411 af
Primary=34.01 cfs 4.411 af

Total Runoff Area = 80.857 ac Runoff Volume = 16.893 af Average Runoff Depth = 2.51"
88.21% Pervious = 71.323 ac 11.79% Impervious = 9.534 ac

Summary for Subcatchment 1: Pre - South

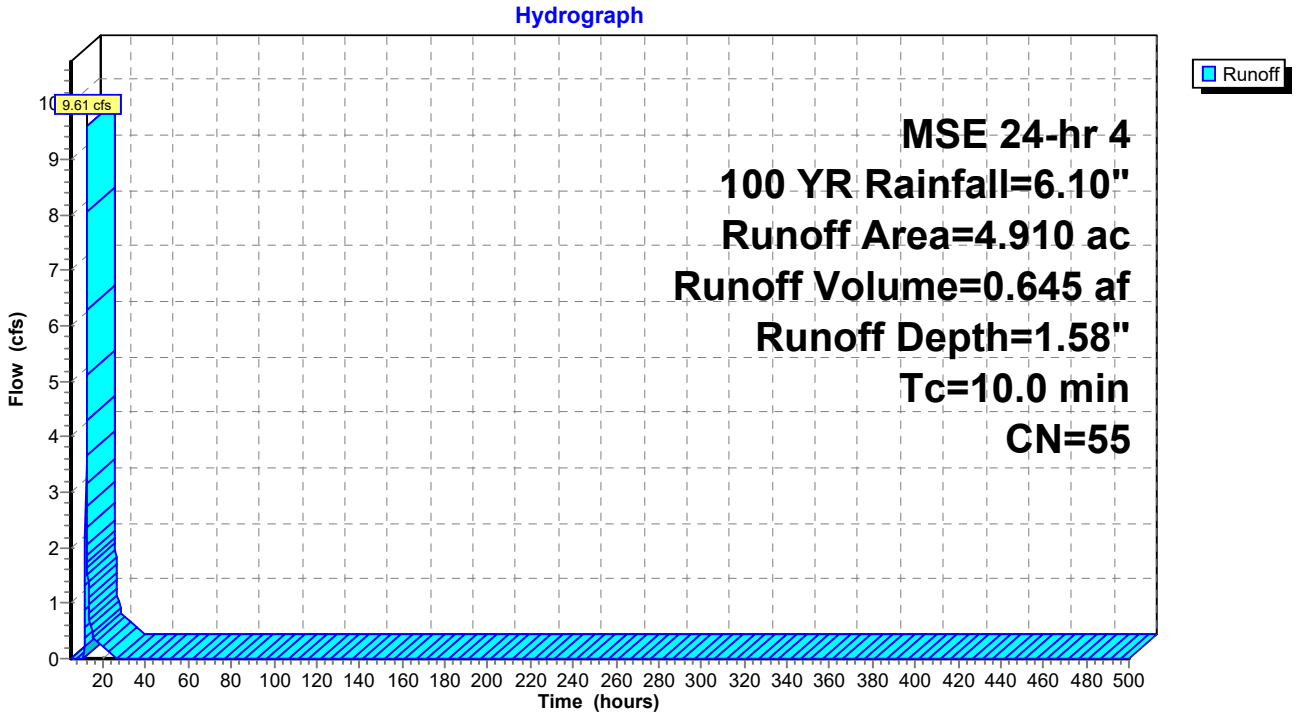
Runoff = 9.61 cfs @ 12.19 hrs, Volume= 0.645 af, Depth= 1.58"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	4.910	55	Pre Dev - B Soils
	4.910		100.00% Pervious Area

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

Subcatchment 1: Pre - South



Hydrograph for Subcatchment 1: Pre - South

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00
10.00	0.97	0.00	**0.00**
15.00	5.36	1.17	**0.57**
20.00	**5.90**	**1.46**	0.22
25.00	**6.10**	**1.58**	0.00
30.00	6.10	1.58	0.00
35.00	6.10	1.58	0.00
40.00	6.10	1.58	0.00
45.00	6.10	1.58	0.00
50.00	6.10	1.58	0.00
55.00	6.10	1.58	0.00
60.00	6.10	1.58	0.00
65.00	6.10	1.58	0.00
70.00	6.10	1.58	0.00
75.00	6.10	1.58	0.00
80.00	6.10	1.58	0.00
85.00	6.10	1.58	0.00
90.00	6.10	1.58	0.00
95.00	6.10	1.58	0.00
100.00	6.10	1.58	0.00
105.00	6.10	1.58	0.00
110.00	6.10	1.58	0.00
115.00	6.10	1.58	0.00
120.00	6.10	1.58	0.00
125.00	6.10	1.58	0.00
130.00	6.10	1.58	0.00
135.00	6.10	1.58	0.00
140.00	6.10	1.58	0.00
145.00	6.10	1.58	0.00
150.00	6.10	1.58	0.00
155.00	6.10	1.58	0.00
160.00	6.10	1.58	0.00
165.00	6.10	1.58	0.00
170.00	6.10	1.58	0.00
175.00	6.10	1.58	0.00
180.00	6.10	1.58	0.00
185.00	6.10	1.58	0.00
190.00	6.10	1.58	0.00
195.00	6.10	1.58	0.00
200.00	6.10	1.58	0.00
205.00	6.10	1.58	0.00
210.00	6.10	1.58	0.00
215.00	6.10	1.58	0.00
220.00	6.10	1.58	0.00
225.00	6.10	1.58	0.00
230.00	6.10	1.58	0.00
235.00	6.10	1.58	0.00
240.00	6.10	1.58	0.00
245.00	6.10	1.58	0.00
250.00	6.10	1.58	0.00
255.00	6.10	1.58	0.00
260.00	6.10	1.58	0.00
265.00	6.10	1.58	0.00
270.00	6.10	1.58	0.00
275.00	6.10	1.58	0.00
280.00	6.10	1.58	0.00
285.00	6.10	1.58	0.00
290.00	6.10	1.58	0.00
295.00	6.10	1.58	0.00
300.00	6.10	1.58	0.00
305.00	6.10	1.58	0.00
310.00	6.10	1.58	0.00
315.00	6.10	1.58	0.00
320.00	6.10	1.58	0.00
325.00	6.10	1.58	0.00
330.00	6.10	1.58	0.00
335.00	6.10	1.58	0.00
340.00	6.10	1.58	0.00
345.00	6.10	1.58	0.00
350.00	6.10	1.58	0.00
355.00	6.10	1.58	0.00
360.00	6.10	1.58	0.00
365.00	6.10	1.58	0.00
370.00	6.10	1.58	0.00
375.00	6.10	1.58	0.00
380.00	6.10	1.58	0.00
385.00	6.10	1.58	0.00
390.00	6.10	1.58	0.00
395.00	6.10	1.58	0.00
400.00	6.10	1.58	0.00
405.00	6.10	1.58	0.00
410.00	6.10	1.58	0.00
415.00	6.10	1.58	0.00
420.00	6.10	1.58	0.00
425.00	6.10	1.58	0.00
430.00	6.10	1.58	0.00
435.00	6.10	1.58	0.00
440.00	6.10	1.58	0.00
445.00	6.10	1.58	0.00
450.00	6.10	1.58	0.00
455.00	6.10	1.58	0.00
460.00	6.10	1.58	0.00
465.00	6.10	1.58	0.00
470.00	6.10	1.58	0.00
475.00	6.10	1.58	0.00
480.00	6.10	1.58	0.00
485.00	6.10	1.58	0.00
490.00	6.10	1.58	0.00
495.00	6.10	1.58	0.00
500.00	6.10	1.58	0.00

Summary for Subcatchment 1A: Post 1A

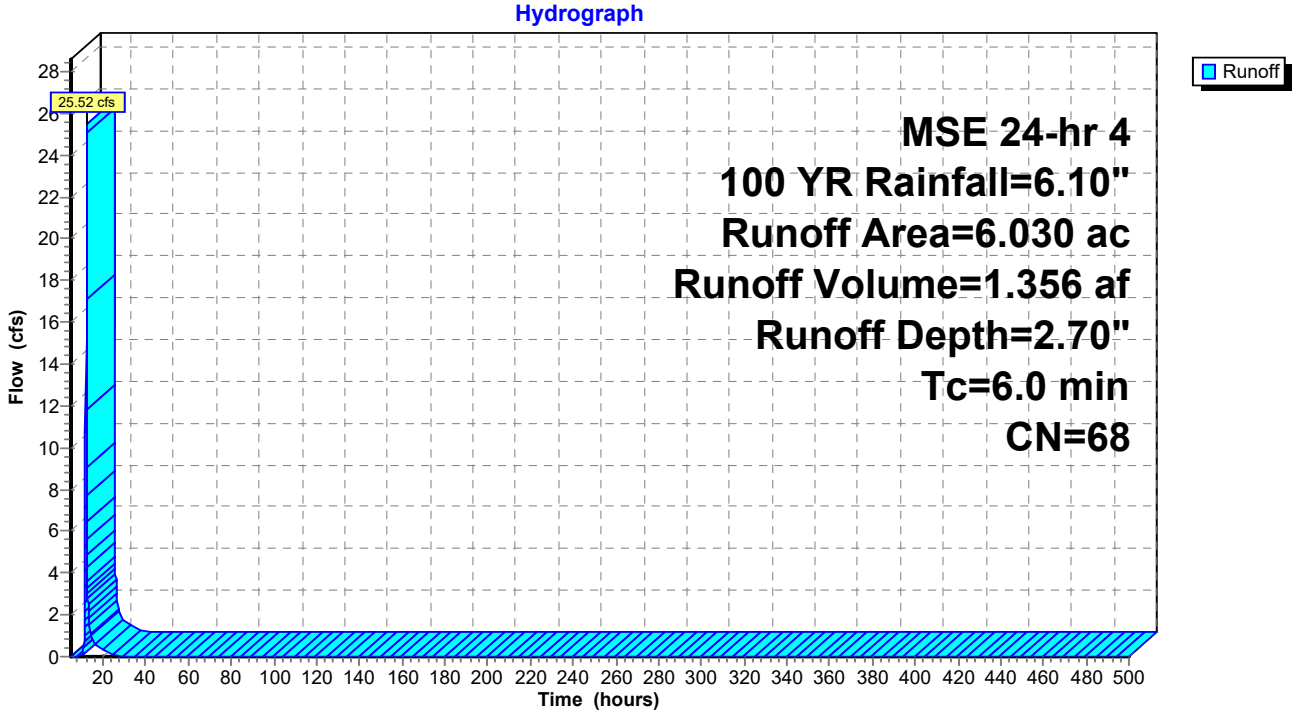
Runoff = 25.52 cfs @ 12.14 hrs, Volume= 1.356 af, Depth= 2.70"
Routed to Pond P1A : Pond 1A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	1.160	98	Impervious
*	4.870	61	Post - B Soils
*	0.000	74	Post - C Soils
	6.030	68	Weighted Average
	4.870		80.76% Pervious Area
	1.160		19.24% Impervious Area

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

Subcatchment 1A: Post 1A



Hydrograph for Subcatchment 1A: Post 1A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00
10.00	0.97	0.00	**0.00**
15.00	5.36	2.14	**0.96**
20.00	**5.90**	**2.55**	0.36
25.00	**6.10**	**2.70**	0.00
30.00	6.10	2.70	0.00
35.00	6.10	2.70	0.00
40.00	6.10	2.70	0.00
45.00	6.10	2.70	0.00
50.00	6.10	2.70	0.00
55.00	6.10	2.70	0.00
60.00	6.10	2.70	0.00
65.00	6.10	2.70	0.00
70.00	6.10	2.70	0.00
75.00	6.10	2.70	0.00
80.00	6.10	2.70	0.00
85.00	6.10	2.70	0.00
90.00	6.10	2.70	0.00
95.00	6.10	2.70	0.00
100.00	6.10	2.70	0.00
105.00	6.10	2.70	0.00
110.00	6.10	2.70	0.00
115.00	6.10	2.70	0.00
120.00	6.10	2.70	0.00
125.00	6.10	2.70	0.00
130.00	6.10	2.70	0.00
135.00	6.10	2.70	0.00
140.00	6.10	2.70	0.00
145.00	6.10	2.70	0.00
150.00	6.10	2.70	0.00
155.00	6.10	2.70	0.00
160.00	6.10	2.70	0.00
165.00	6.10	2.70	0.00
170.00	6.10	2.70	0.00
175.00	6.10	2.70	0.00
180.00	6.10	2.70	0.00
185.00	6.10	2.70	0.00
190.00	6.10	2.70	0.00
195.00	6.10	2.70	0.00
200.00	6.10	2.70	0.00
205.00	6.10	2.70	0.00
210.00	6.10	2.70	0.00
215.00	6.10	2.70	0.00
220.00	6.10	2.70	0.00
225.00	6.10	2.70	0.00
230.00	6.10	2.70	0.00
235.00	6.10	2.70	0.00
240.00	6.10	2.70	0.00
245.00	6.10	2.70	0.00
250.00	6.10	2.70	0.00
255.00	6.10	2.70	0.00
260.00	6.10	2.70	0.00
265.00	6.10	2.70	0.00
270.00	6.10	2.70	0.00
275.00	6.10	2.70	0.00
280.00	6.10	2.70	0.00
285.00	6.10	2.70	0.00
290.00	6.10	2.70	0.00
295.00	6.10	2.70	0.00
300.00	6.10	2.70	0.00
305.00	6.10	2.70	0.00
310.00	6.10	2.70	0.00
315.00	6.10	2.70	0.00
320.00	6.10	2.70	0.00
325.00	6.10	2.70	0.00
330.00	6.10	2.70	0.00
335.00	6.10	2.70	0.00
340.00	6.10	2.70	0.00
345.00	6.10	2.70	0.00
350.00	6.10	2.70	0.00
355.00	6.10	2.70	0.00
360.00	6.10	2.70	0.00
365.00	6.10	2.70	0.00
370.00	6.10	2.70	0.00
375.00	6.10	2.70	0.00
380.00	6.10	2.70	0.00
385.00	6.10	2.70	0.00
390.00	6.10	2.70	0.00
395.00	6.10	2.70	0.00
400.00	6.10	2.70	0.00
405.00	6.10	2.70	0.00
410.00	6.10	2.70	0.00
415.00	6.10	2.70	0.00
420.00	6.10	2.70	0.00
425.00	6.10	2.70	0.00
430.00	6.10	2.70	0.00
435.00	6.10	2.70	0.00
440.00	6.10	2.70	0.00
445.00	6.10	2.70	0.00
450.00	6.10	2.70	0.00
455.00	6.10	2.70	0.00
460.00	6.10	2.70	0.00
465.00	6.10	2.70	0.00
470.00	6.10	2.70	0.00
475.00	6.10	2.70	0.00
480.00	6.10	2.70	0.00
485.00	6.10	2.70	0.00
490.00	6.10	2.70	0.00
495.00	6.10	2.70	0.00
500.00	6.10	2.70	0.00

Summary for Subcatchment 1B: Post 1B - Offsite

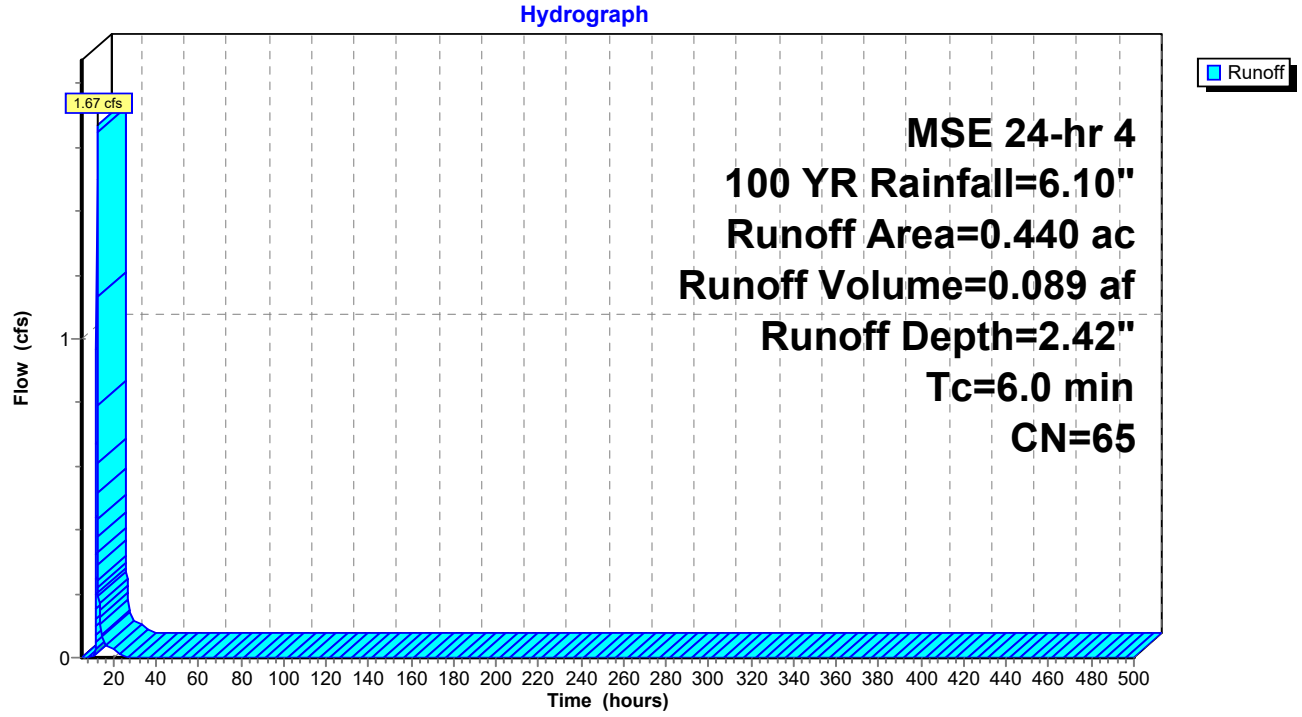
Runoff = 1.67 cfs @ 12.14 hrs, Volume= 0.089 af, Depth= 2.42"
Routed to Link 3L : Post - South

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	0.050	98	Impervious
*	0.390	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.440	65	Weighted Average
	0.390		88.64% Pervious Area
	0.050		11.36% Impervious Area

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

Subcatchment 1B: Post 1B - Offsite



Hydrograph for Subcatchment 1B: Post 1B - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	2.42	0.00
10.00	0.97	0.00	**0.00**	265.00	6.10	2.42	0.00
15.00	5.36	1.90	**0.07**	270.00	6.10	2.42	0.00
20.00	**5.90**	**2.28**	0.02	275.00	6.10	2.42	0.00
25.00	**6.10**	**2.42**	0.00	280.00	6.10	2.42	0.00
30.00	6.10	2.42	0.00	285.00	6.10	2.42	0.00
35.00	6.10	2.42	0.00	290.00	6.10	2.42	0.00
40.00	6.10	2.42	0.00	295.00	6.10	2.42	0.00
45.00	6.10	2.42	0.00	300.00	6.10	2.42	0.00
50.00	6.10	2.42	0.00	305.00	6.10	2.42	0.00
55.00	6.10	2.42	0.00	310.00	6.10	2.42	0.00
60.00	6.10	2.42	0.00	315.00	6.10	2.42	0.00
65.00	6.10	2.42	0.00	320.00	6.10	2.42	0.00
70.00	6.10	2.42	0.00	325.00	6.10	2.42	0.00
75.00	6.10	2.42	0.00	330.00	6.10	2.42	0.00
80.00	6.10	2.42	0.00	335.00	6.10	2.42	0.00
85.00	6.10	2.42	0.00	340.00	6.10	2.42	0.00
90.00	6.10	2.42	0.00	345.00	6.10	2.42	0.00
95.00	6.10	2.42	0.00	350.00	6.10	2.42	0.00
100.00	6.10	2.42	0.00	355.00	6.10	2.42	0.00
105.00	6.10	2.42	0.00	360.00	6.10	2.42	0.00
110.00	6.10	2.42	0.00	365.00	6.10	2.42	0.00
115.00	6.10	2.42	0.00	370.00	6.10	2.42	0.00
120.00	6.10	2.42	0.00	375.00	6.10	2.42	0.00
125.00	6.10	2.42	0.00	380.00	6.10	2.42	0.00
130.00	6.10	2.42	0.00	385.00	6.10	2.42	0.00
135.00	6.10	2.42	0.00	390.00	6.10	2.42	0.00
140.00	6.10	2.42	0.00	395.00	6.10	2.42	0.00
145.00	6.10	2.42	0.00	400.00	6.10	2.42	0.00
150.00	6.10	2.42	0.00	405.00	6.10	2.42	0.00
155.00	6.10	2.42	0.00	410.00	6.10	2.42	0.00
160.00	6.10	2.42	0.00	415.00	6.10	2.42	0.00
165.00	6.10	2.42	0.00	420.00	6.10	2.42	0.00
170.00	6.10	2.42	0.00	425.00	6.10	2.42	0.00
175.00	6.10	2.42	0.00	430.00	6.10	2.42	0.00
180.00	6.10	2.42	0.00	435.00	6.10	2.42	0.00
185.00	6.10	2.42	0.00	440.00	6.10	2.42	0.00
190.00	6.10	2.42	0.00	445.00	6.10	2.42	0.00
195.00	6.10	2.42	0.00	450.00	6.10	2.42	0.00
200.00	6.10	2.42	0.00	455.00	6.10	2.42	0.00
205.00	6.10	2.42	0.00	460.00	6.10	2.42	0.00
210.00	6.10	2.42	0.00	465.00	6.10	2.42	0.00
215.00	6.10	2.42	0.00	470.00	6.10	2.42	0.00
220.00	6.10	2.42	0.00	475.00	6.10	2.42	0.00
225.00	6.10	2.42	0.00	480.00	6.10	2.42	0.00
230.00	6.10	2.42	0.00	485.00	6.10	2.42	0.00
235.00	6.10	2.42	0.00	490.00	6.10	2.42	0.00
240.00	6.10	2.42	0.00	495.00	6.10	2.42	0.00
245.00	6.10	2.42	0.00	500.00	6.10	2.42	0.00
250.00	6.10	2.42	0.00				
255.00	6.10	2.42	0.00				

Summary for Subcatchment 2: Pre - West

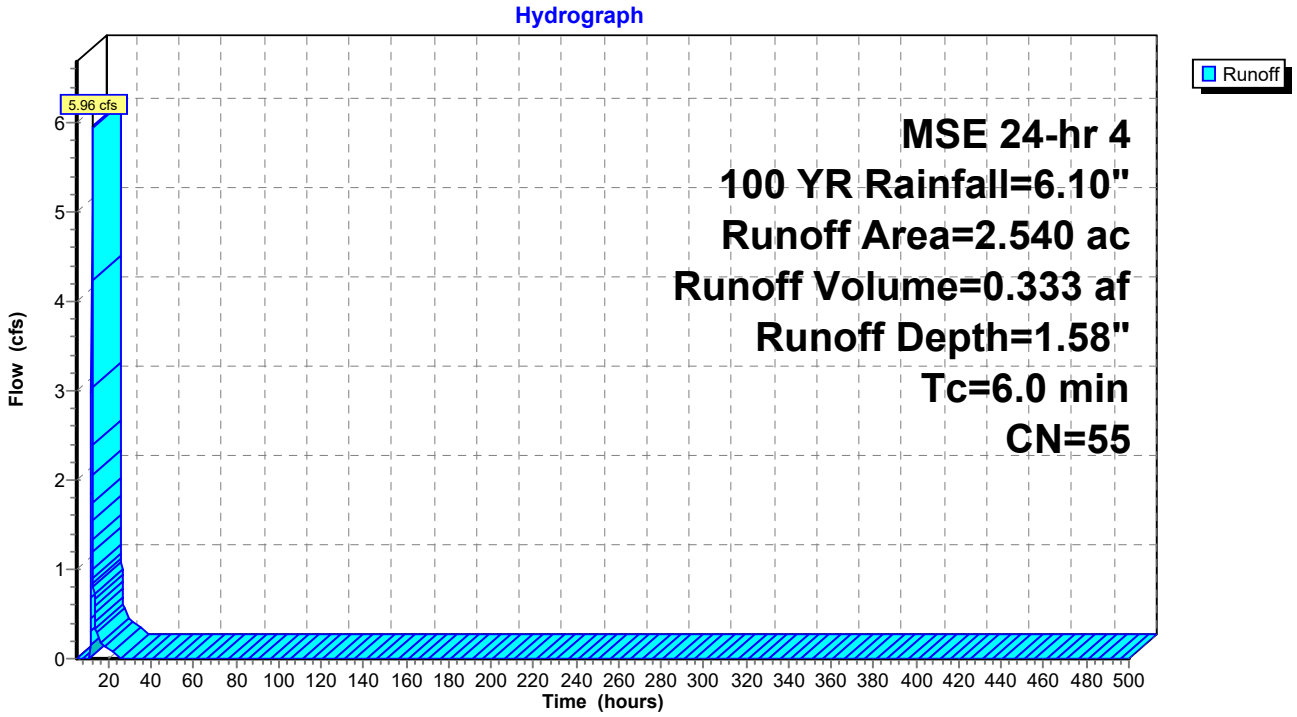
Runoff = 5.96 cfs @ 12.14 hrs, Volume= 0.333 af, Depth= 1.58"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	2.540	55	Pre Dev - B Soils
	2.540		100.00% Pervious Area

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

Subcatchment 2: Pre - West



Hydrograph for Subcatchment 2: Pre - West

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00
10.00	0.97	0.00	**0.00**
15.00	5.36	1.17	**0.29**
20.00	**5.90**	**1.46**	0.11
25.00	**6.10**	**1.58**	0.00
30.00	6.10	1.58	0.00
35.00	6.10	1.58	0.00
40.00	6.10	1.58	0.00
45.00	6.10	1.58	0.00
50.00	6.10	1.58	0.00
55.00	6.10	1.58	0.00
60.00	6.10	1.58	0.00
65.00	6.10	1.58	0.00
70.00	6.10	1.58	0.00
75.00	6.10	1.58	0.00
80.00	6.10	1.58	0.00
85.00	6.10	1.58	0.00
90.00	6.10	1.58	0.00
95.00	6.10	1.58	0.00
100.00	6.10	1.58	0.00
105.00	6.10	1.58	0.00
110.00	6.10	1.58	0.00
115.00	6.10	1.58	0.00
120.00	6.10	1.58	0.00
125.00	6.10	1.58	0.00
130.00	6.10	1.58	0.00
135.00	6.10	1.58	0.00
140.00	6.10	1.58	0.00
145.00	6.10	1.58	0.00
150.00	6.10	1.58	0.00
155.00	6.10	1.58	0.00
160.00	6.10	1.58	0.00
165.00	6.10	1.58	0.00
170.00	6.10	1.58	0.00
175.00	6.10	1.58	0.00
180.00	6.10	1.58	0.00
185.00	6.10	1.58	0.00
190.00	6.10	1.58	0.00
195.00	6.10	1.58	0.00
200.00	6.10	1.58	0.00
205.00	6.10	1.58	0.00
210.00	6.10	1.58	0.00
215.00	6.10	1.58	0.00
220.00	6.10	1.58	0.00
225.00	6.10	1.58	0.00
230.00	6.10	1.58	0.00
235.00	6.10	1.58	0.00
240.00	6.10	1.58	0.00
245.00	6.10	1.58	0.00
250.00	6.10	1.58	0.00
255.00	6.10	1.58	0.00
260.00	6.10	1.58	0.00
265.00	6.10	1.58	0.00
270.00	6.10	1.58	0.00
275.00	6.10	1.58	0.00
280.00	6.10	1.58	0.00
285.00	6.10	1.58	0.00
290.00	6.10	1.58	0.00
295.00	6.10	1.58	0.00
300.00	6.10	1.58	0.00
305.00	6.10	1.58	0.00
310.00	6.10	1.58	0.00
315.00	6.10	1.58	0.00
320.00	6.10	1.58	0.00
325.00	6.10	1.58	0.00
330.00	6.10	1.58	0.00
335.00	6.10	1.58	0.00
340.00	6.10	1.58	0.00
345.00	6.10	1.58	0.00
350.00	6.10	1.58	0.00
355.00	6.10	1.58	0.00
360.00	6.10	1.58	0.00
365.00	6.10	1.58	0.00
370.00	6.10	1.58	0.00
375.00	6.10	1.58	0.00
380.00	6.10	1.58	0.00
385.00	6.10	1.58	0.00
390.00	6.10	1.58	0.00
395.00	6.10	1.58	0.00
400.00	6.10	1.58	0.00
405.00	6.10	1.58	0.00
410.00	6.10	1.58	0.00
415.00	6.10	1.58	0.00
420.00	6.10	1.58	0.00
425.00	6.10	1.58	0.00
430.00	6.10	1.58	0.00
435.00	6.10	1.58	0.00
440.00	6.10	1.58	0.00
445.00	6.10	1.58	0.00
450.00	6.10	1.58	0.00
455.00	6.10	1.58	0.00
460.00	6.10	1.58	0.00
465.00	6.10	1.58	0.00
470.00	6.10	1.58	0.00
475.00	6.10	1.58	0.00
480.00	6.10	1.58	0.00
485.00	6.10	1.58	0.00
490.00	6.10	1.58	0.00
495.00	6.10	1.58	0.00
500.00	6.10	1.58	0.00

Summary for Subcatchment 2A: Post 2A - Offsite

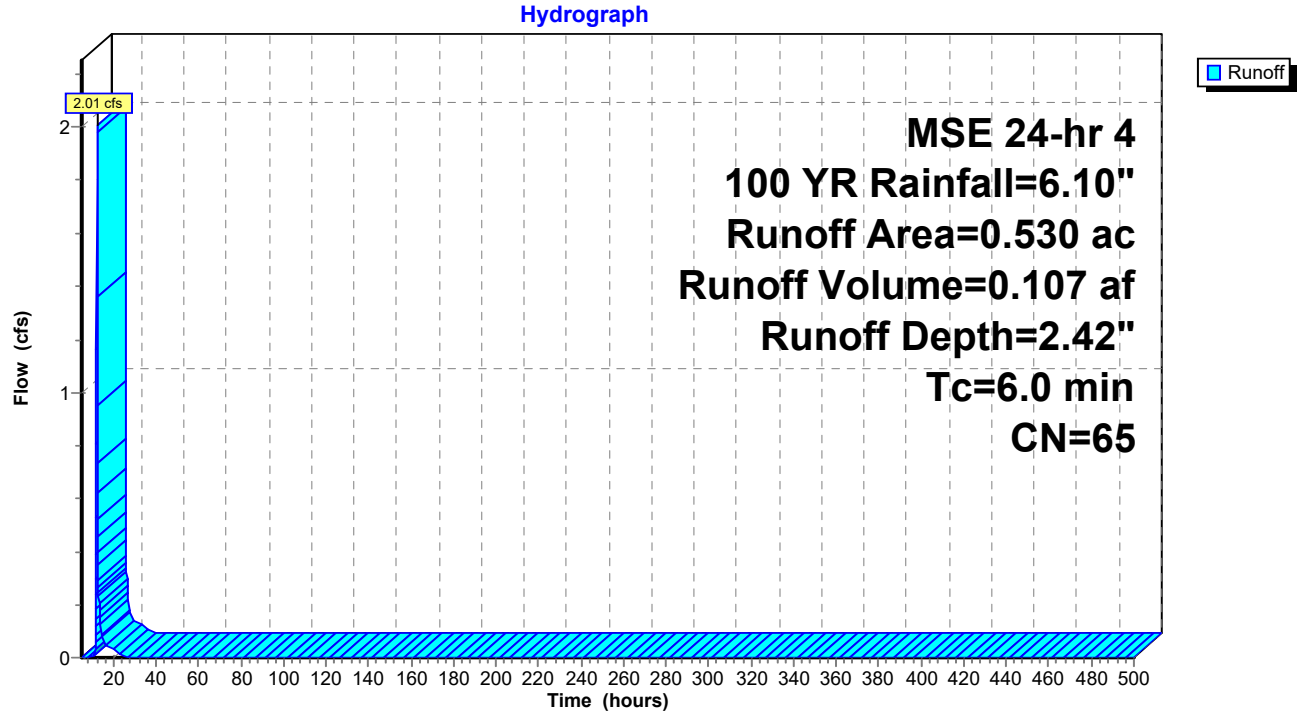
Runoff = 2.01 cfs @ 12.14 hrs, Volume= 0.107 af, Depth= 2.42"
Routed to Link 2L : Total Post - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	0.060	98	Impervious
*	0.470	61	Post - B Soils
*	0.000	74	Post - C Soils
	0.530	65	Weighted Average
	0.470		88.68% Pervious Area
	0.060		11.32% Impervious Area

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

Subcatchment 2A: Post 2A - Offsite



Hydrograph for Subcatchment 2A: Post 2A - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	2.42	0.00
10.00	0.97	0.00	**0.00**	265.00	6.10	2.42	0.00
15.00	5.36	1.90	**0.08**	270.00	6.10	2.42	0.00
20.00	**5.90**	**2.28**	0.03	275.00	6.10	2.42	0.00
25.00	**6.10**	**2.42**	0.00	280.00	6.10	2.42	0.00
30.00	6.10	2.42	0.00	285.00	6.10	2.42	0.00
35.00	6.10	2.42	0.00	290.00	6.10	2.42	0.00
40.00	6.10	2.42	0.00	295.00	6.10	2.42	0.00
45.00	6.10	2.42	0.00	300.00	6.10	2.42	0.00
50.00	6.10	2.42	0.00	305.00	6.10	2.42	0.00
55.00	6.10	2.42	0.00	310.00	6.10	2.42	0.00
60.00	6.10	2.42	0.00	315.00	6.10	2.42	0.00
65.00	6.10	2.42	0.00	320.00	6.10	2.42	0.00
70.00	6.10	2.42	0.00	325.00	6.10	2.42	0.00
75.00	6.10	2.42	0.00	330.00	6.10	2.42	0.00
80.00	6.10	2.42	0.00	335.00	6.10	2.42	0.00
85.00	6.10	2.42	0.00	340.00	6.10	2.42	0.00
90.00	6.10	2.42	0.00	345.00	6.10	2.42	0.00
95.00	6.10	2.42	0.00	350.00	6.10	2.42	0.00
100.00	6.10	2.42	0.00	355.00	6.10	2.42	0.00
105.00	6.10	2.42	0.00	360.00	6.10	2.42	0.00
110.00	6.10	2.42	0.00	365.00	6.10	2.42	0.00
115.00	6.10	2.42	0.00	370.00	6.10	2.42	0.00
120.00	6.10	2.42	0.00	375.00	6.10	2.42	0.00
125.00	6.10	2.42	0.00	380.00	6.10	2.42	0.00
130.00	6.10	2.42	0.00	385.00	6.10	2.42	0.00
135.00	6.10	2.42	0.00	390.00	6.10	2.42	0.00
140.00	6.10	2.42	0.00	395.00	6.10	2.42	0.00
145.00	6.10	2.42	0.00	400.00	6.10	2.42	0.00
150.00	6.10	2.42	0.00	405.00	6.10	2.42	0.00
155.00	6.10	2.42	0.00	410.00	6.10	2.42	0.00
160.00	6.10	2.42	0.00	415.00	6.10	2.42	0.00
165.00	6.10	2.42	0.00	420.00	6.10	2.42	0.00
170.00	6.10	2.42	0.00	425.00	6.10	2.42	0.00
175.00	6.10	2.42	0.00	430.00	6.10	2.42	0.00
180.00	6.10	2.42	0.00	435.00	6.10	2.42	0.00
185.00	6.10	2.42	0.00	440.00	6.10	2.42	0.00
190.00	6.10	2.42	0.00	445.00	6.10	2.42	0.00
195.00	6.10	2.42	0.00	450.00	6.10	2.42	0.00
200.00	6.10	2.42	0.00	455.00	6.10	2.42	0.00
205.00	6.10	2.42	0.00	460.00	6.10	2.42	0.00
210.00	6.10	2.42	0.00	465.00	6.10	2.42	0.00
215.00	6.10	2.42	0.00	470.00	6.10	2.42	0.00
220.00	6.10	2.42	0.00	475.00	6.10	2.42	0.00
225.00	6.10	2.42	0.00	480.00	6.10	2.42	0.00
230.00	6.10	2.42	0.00	485.00	6.10	2.42	0.00
235.00	6.10	2.42	0.00	490.00	6.10	2.42	0.00
240.00	6.10	2.42	0.00	495.00	6.10	2.42	0.00
245.00	6.10	2.42	0.00	500.00	6.10	2.42	0.00
250.00	6.10	2.42	0.00				
255.00	6.10	2.42	0.00				

Summary for Subcatchment 3: Pre - North

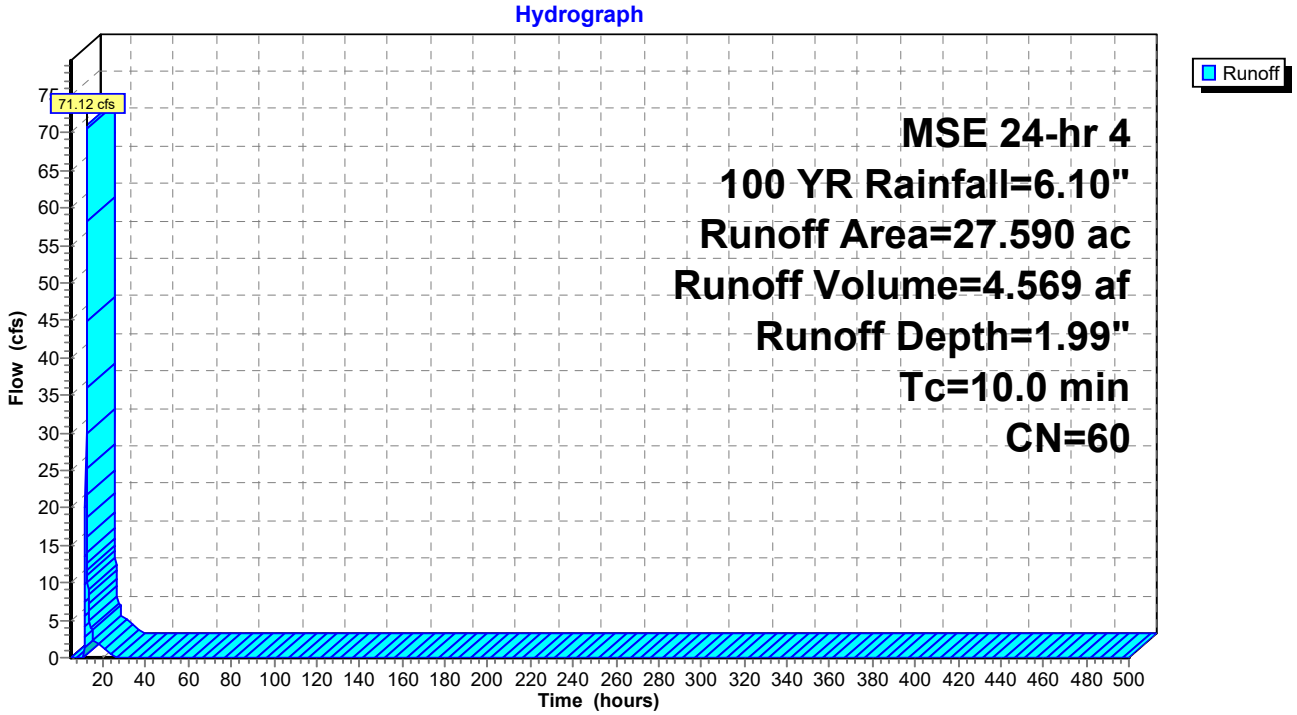
Runoff = 71.12 cfs @ 12.19 hrs, Volume= 4.569 af, Depth= 1.99"
Routed to Link 1L : Total Pre - Development

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	18.190	55	Pre Dev - B Soils
*	9.400	70	Pre Dev - C Soils
	27.590	60	Weighted Average
	27.590		100.00% Pervious Area

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

Subcatchment 3: Pre - North



Hydrograph for Subcatchment 3: Pre - North

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	1.99	0.00
10.00	0.97	0.00	**0.00**	265.00	6.10	1.99	0.00
15.00	5.36	1.52	**3.69**	270.00	6.10	1.99	0.00
20.00	**5.90**	**1.86**	1.40	275.00	6.10	1.99	0.00
25.00	**6.10**	**1.99**	0.00	280.00	6.10	1.99	0.00
30.00	6.10	1.99	0.00	285.00	6.10	1.99	0.00
35.00	6.10	1.99	0.00	290.00	6.10	1.99	0.00
40.00	6.10	1.99	0.00	295.00	6.10	1.99	0.00
45.00	6.10	1.99	0.00	300.00	6.10	1.99	0.00
50.00	6.10	1.99	0.00	305.00	6.10	1.99	0.00
55.00	6.10	1.99	0.00	310.00	6.10	1.99	0.00
60.00	6.10	1.99	0.00	315.00	6.10	1.99	0.00
65.00	6.10	1.99	0.00	320.00	6.10	1.99	0.00
70.00	6.10	1.99	0.00	325.00	6.10	1.99	0.00
75.00	6.10	1.99	0.00	330.00	6.10	1.99	0.00
80.00	6.10	1.99	0.00	335.00	6.10	1.99	0.00
85.00	6.10	1.99	0.00	340.00	6.10	1.99	0.00
90.00	6.10	1.99	0.00	345.00	6.10	1.99	0.00
95.00	6.10	1.99	0.00	350.00	6.10	1.99	0.00
100.00	6.10	1.99	0.00	355.00	6.10	1.99	0.00
105.00	6.10	1.99	0.00	360.00	6.10	1.99	0.00
110.00	6.10	1.99	0.00	365.00	6.10	1.99	0.00
115.00	6.10	1.99	0.00	370.00	6.10	1.99	0.00
120.00	6.10	1.99	0.00	375.00	6.10	1.99	0.00
125.00	6.10	1.99	0.00	380.00	6.10	1.99	0.00
130.00	6.10	1.99	0.00	385.00	6.10	1.99	0.00
135.00	6.10	1.99	0.00	390.00	6.10	1.99	0.00
140.00	6.10	1.99	0.00	395.00	6.10	1.99	0.00
145.00	6.10	1.99	0.00	400.00	6.10	1.99	0.00
150.00	6.10	1.99	0.00	405.00	6.10	1.99	0.00
155.00	6.10	1.99	0.00	410.00	6.10	1.99	0.00
160.00	6.10	1.99	0.00	415.00	6.10	1.99	0.00
165.00	6.10	1.99	0.00	420.00	6.10	1.99	0.00
170.00	6.10	1.99	0.00	425.00	6.10	1.99	0.00
175.00	6.10	1.99	0.00	430.00	6.10	1.99	0.00
180.00	6.10	1.99	0.00	435.00	6.10	1.99	0.00
185.00	6.10	1.99	0.00	440.00	6.10	1.99	0.00
190.00	6.10	1.99	0.00	445.00	6.10	1.99	0.00
195.00	6.10	1.99	0.00	450.00	6.10	1.99	0.00
200.00	6.10	1.99	0.00	455.00	6.10	1.99	0.00
205.00	6.10	1.99	0.00	460.00	6.10	1.99	0.00
210.00	6.10	1.99	0.00	465.00	6.10	1.99	0.00
215.00	6.10	1.99	0.00	470.00	6.10	1.99	0.00
220.00	6.10	1.99	0.00	475.00	6.10	1.99	0.00
225.00	6.10	1.99	0.00	480.00	6.10	1.99	0.00
230.00	6.10	1.99	0.00	485.00	6.10	1.99	0.00
235.00	6.10	1.99	0.00	490.00	6.10	1.99	0.00
240.00	6.10	1.99	0.00	495.00	6.10	1.99	0.00
245.00	6.10	1.99	0.00	500.00	6.10	1.99	0.00
250.00	6.10	1.99	0.00				
255.00	6.10	1.99	0.00				

Summary for Subcatchment 3A: Post 3A

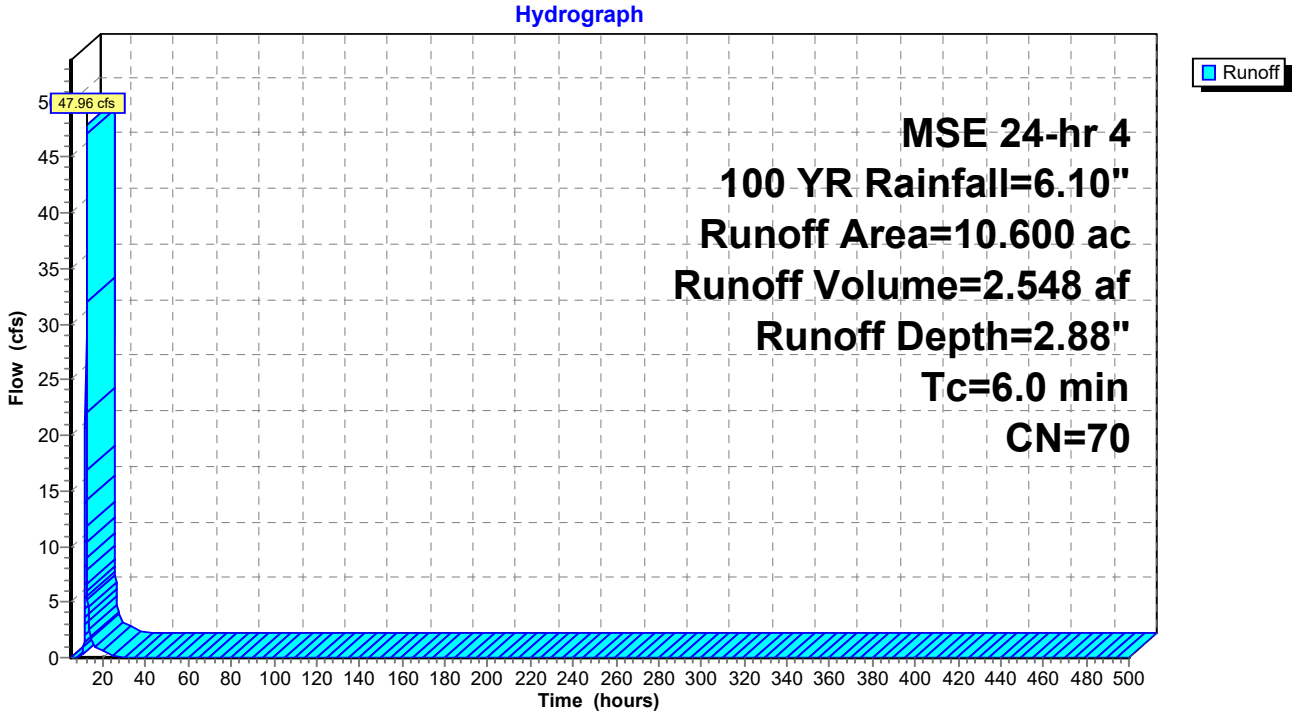
Runoff = 47.96 cfs @ 12.13 hrs, Volume= 2.548 af, Depth= 2.88"
Routed to Pond P3A : Pond 3A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	1.970	98	Impervious
*	6.570	61	Post - B Soils
*	2.060	74	Post - C Soils
	10.600	70	Weighted Average
	8.630		81.42% Pervious Area
	1.970		18.58% Impervious Area

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

Subcatchment 3A: Post 3A



Hydrograph for Subcatchment 3A: Post 3A

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00
10.00	0.97	0.00	**0.10**
15.00	5.36	2.31	**1.76**
20.00	**5.90**	**2.73**	0.65
25.00	**6.10**	**2.88**	0.00
30.00	6.10	2.88	0.00
35.00	6.10	2.88	0.00
40.00	6.10	2.88	0.00
45.00	6.10	2.88	0.00
50.00	6.10	2.88	0.00
55.00	6.10	2.88	0.00
60.00	6.10	2.88	0.00
65.00	6.10	2.88	0.00
70.00	6.10	2.88	0.00
75.00	6.10	2.88	0.00
80.00	6.10	2.88	0.00
85.00	6.10	2.88	0.00
90.00	6.10	2.88	0.00
95.00	6.10	2.88	0.00
100.00	6.10	2.88	0.00
105.00	6.10	2.88	0.00
110.00	6.10	2.88	0.00
115.00	6.10	2.88	0.00
120.00	6.10	2.88	0.00
125.00	6.10	2.88	0.00
130.00	6.10	2.88	0.00
135.00	6.10	2.88	0.00
140.00	6.10	2.88	0.00
145.00	6.10	2.88	0.00
150.00	6.10	2.88	0.00
155.00	6.10	2.88	0.00
160.00	6.10	2.88	0.00
165.00	6.10	2.88	0.00
170.00	6.10	2.88	0.00
175.00	6.10	2.88	0.00
180.00	6.10	2.88	0.00
185.00	6.10	2.88	0.00
190.00	6.10	2.88	0.00
195.00	6.10	2.88	0.00
200.00	6.10	2.88	0.00
205.00	6.10	2.88	0.00
210.00	6.10	2.88	0.00
215.00	6.10	2.88	0.00
220.00	6.10	2.88	0.00
225.00	6.10	2.88	0.00
230.00	6.10	2.88	0.00
235.00	6.10	2.88	0.00
240.00	6.10	2.88	0.00
245.00	6.10	2.88	0.00
250.00	6.10	2.88	0.00
255.00	6.10	2.88	0.00
260.00	6.10	2.88	0.00
265.00	6.10	2.88	0.00
270.00	6.10	2.88	0.00
275.00	6.10	2.88	0.00
280.00	6.10	2.88	0.00
285.00	6.10	2.88	0.00
290.00	6.10	2.88	0.00
295.00	6.10	2.88	0.00
300.00	6.10	2.88	0.00
305.00	6.10	2.88	0.00
310.00	6.10	2.88	0.00
315.00	6.10	2.88	0.00
320.00	6.10	2.88	0.00
325.00	6.10	2.88	0.00
330.00	6.10	2.88	0.00
335.00	6.10	2.88	0.00
340.00	6.10	2.88	0.00
345.00	6.10	2.88	0.00
350.00	6.10	2.88	0.00
355.00	6.10	2.88	0.00
360.00	6.10	2.88	0.00
365.00	6.10	2.88	0.00
370.00	6.10	2.88	0.00
375.00	6.10	2.88	0.00
380.00	6.10	2.88	0.00
385.00	6.10	2.88	0.00
390.00	6.10	2.88	0.00
395.00	6.10	2.88	0.00
400.00	6.10	2.88	0.00
405.00	6.10	2.88	0.00
410.00	6.10	2.88	0.00
415.00	6.10	2.88	0.00
420.00	6.10	2.88	0.00
425.00	6.10	2.88	0.00
430.00	6.10	2.88	0.00
435.00	6.10	2.88	0.00
440.00	6.10	2.88	0.00
445.00	6.10	2.88	0.00
450.00	6.10	2.88	0.00
455.00	6.10	2.88	0.00
460.00	6.10	2.88	0.00
465.00	6.10	2.88	0.00
470.00	6.10	2.88	0.00
475.00	6.10	2.88	0.00
480.00	6.10	2.88	0.00
485.00	6.10	2.88	0.00
490.00	6.10	2.88	0.00
495.00	6.10	2.88	0.00
500.00	6.10	2.88	0.00

Summary for Subcatchment 3B: Post 3B

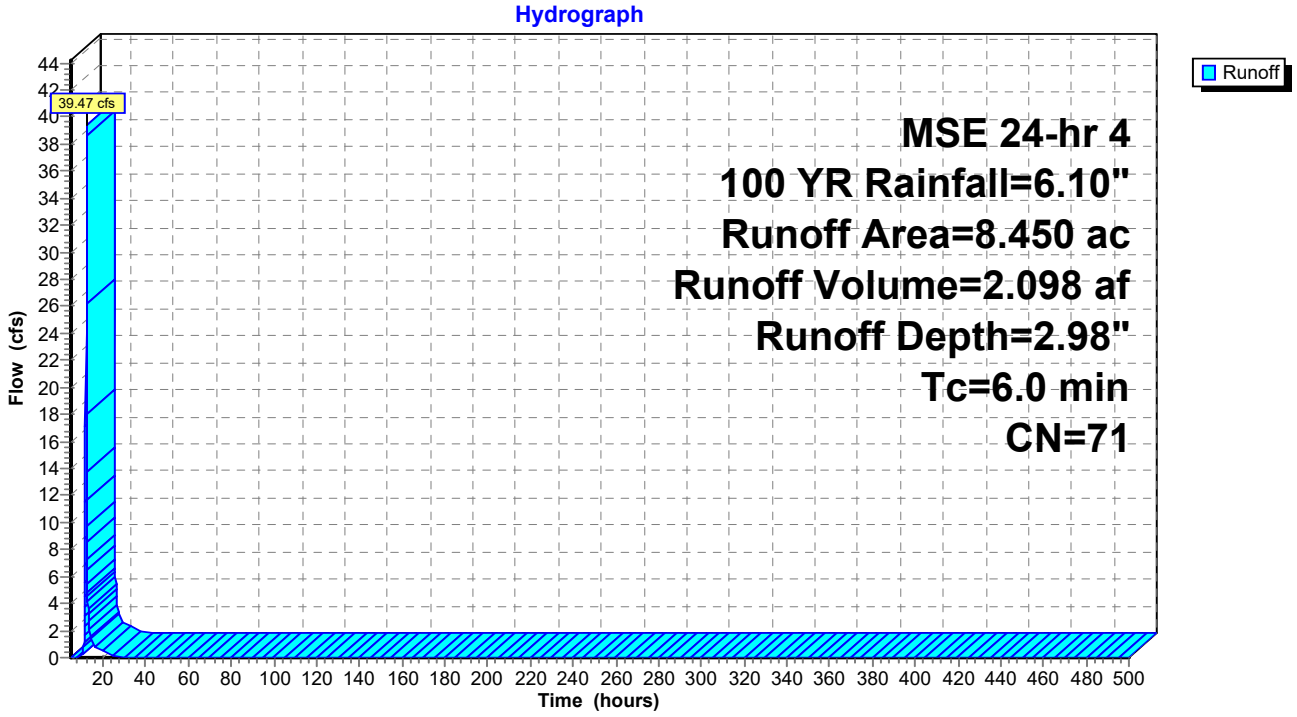
Runoff = 39.47 cfs @ 12.13 hrs, Volume= 2.098 af, Depth= 2.98"
Routed to Pond P3B : Pond 3B

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	1.680	98	Impervious
*	5.290	61	Post - B Soils
*	1.480	74	Post - C Soils
	8.450	71	Weighted Average
	6.770		80.12% Pervious Area
	1.680		19.88% Impervious Area

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

Subcatchment 3B: Post 3B



Hydrograph for Subcatchment 3B: Post 3B

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	2.98	0.00
10.00	0.97	0.01	**0.12**	265.00	6.10	2.98	0.00
15.00	5.36	2.39	**1.43**	270.00	6.10	2.98	0.00
20.00	**5.90**	**2.82**	0.52	275.00	6.10	2.98	0.00
25.00	**6.10**	**2.98**	0.00	280.00	6.10	2.98	0.00
30.00	6.10	2.98	0.00	285.00	6.10	2.98	0.00
35.00	6.10	2.98	0.00	290.00	6.10	2.98	0.00
40.00	6.10	2.98	0.00	295.00	6.10	2.98	0.00
45.00	6.10	2.98	0.00	300.00	6.10	2.98	0.00
50.00	6.10	2.98	0.00	305.00	6.10	2.98	0.00
55.00	6.10	2.98	0.00	310.00	6.10	2.98	0.00
60.00	6.10	2.98	0.00	315.00	6.10	2.98	0.00
65.00	6.10	2.98	0.00	320.00	6.10	2.98	0.00
70.00	6.10	2.98	0.00	325.00	6.10	2.98	0.00
75.00	6.10	2.98	0.00	330.00	6.10	2.98	0.00
80.00	6.10	2.98	0.00	335.00	6.10	2.98	0.00
85.00	6.10	2.98	0.00	340.00	6.10	2.98	0.00
90.00	6.10	2.98	0.00	345.00	6.10	2.98	0.00
95.00	6.10	2.98	0.00	350.00	6.10	2.98	0.00
100.00	6.10	2.98	0.00	355.00	6.10	2.98	0.00
105.00	6.10	2.98	0.00	360.00	6.10	2.98	0.00
110.00	6.10	2.98	0.00	365.00	6.10	2.98	0.00
115.00	6.10	2.98	0.00	370.00	6.10	2.98	0.00
120.00	6.10	2.98	0.00	375.00	6.10	2.98	0.00
125.00	6.10	2.98	0.00	380.00	6.10	2.98	0.00
130.00	6.10	2.98	0.00	385.00	6.10	2.98	0.00
135.00	6.10	2.98	0.00	390.00	6.10	2.98	0.00
140.00	6.10	2.98	0.00	395.00	6.10	2.98	0.00
145.00	6.10	2.98	0.00	400.00	6.10	2.98	0.00
150.00	6.10	2.98	0.00	405.00	6.10	2.98	0.00
155.00	6.10	2.98	0.00	410.00	6.10	2.98	0.00
160.00	6.10	2.98	0.00	415.00	6.10	2.98	0.00
165.00	6.10	2.98	0.00	420.00	6.10	2.98	0.00
170.00	6.10	2.98	0.00	425.00	6.10	2.98	0.00
175.00	6.10	2.98	0.00	430.00	6.10	2.98	0.00
180.00	6.10	2.98	0.00	435.00	6.10	2.98	0.00
185.00	6.10	2.98	0.00	440.00	6.10	2.98	0.00
190.00	6.10	2.98	0.00	445.00	6.10	2.98	0.00
195.00	6.10	2.98	0.00	450.00	6.10	2.98	0.00
200.00	6.10	2.98	0.00	455.00	6.10	2.98	0.00
205.00	6.10	2.98	0.00	460.00	6.10	2.98	0.00
210.00	6.10	2.98	0.00	465.00	6.10	2.98	0.00
215.00	6.10	2.98	0.00	470.00	6.10	2.98	0.00
220.00	6.10	2.98	0.00	475.00	6.10	2.98	0.00
225.00	6.10	2.98	0.00	480.00	6.10	2.98	0.00
230.00	6.10	2.98	0.00	485.00	6.10	2.98	0.00
235.00	6.10	2.98	0.00	490.00	6.10	2.98	0.00
240.00	6.10	2.98	0.00	495.00	6.10	2.98	0.00
245.00	6.10	2.98	0.00	500.00	6.10	2.98	0.00
250.00	6.10	2.98	0.00				
255.00	6.10	2.98	0.00				

Summary for Subcatchment 3C: Post 3C

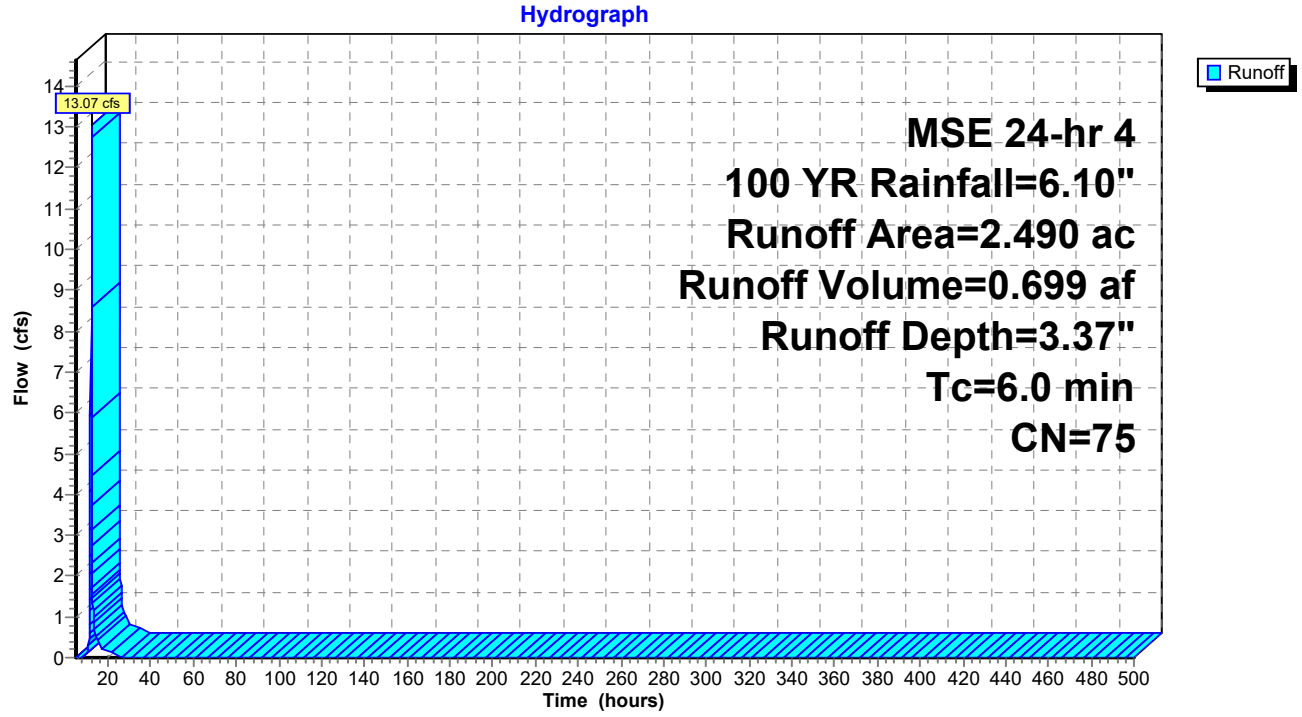
Runoff = 13.07 cfs @ 12.13 hrs, Volume= 0.699 af, Depth= 3.37"
Routed to Pond P3C : Pond 3C

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.800	61	Post - B Soils
*	1.120	74	Post - C Soils
	2.490	75	Weighted Average
	1.920		77.11% Pervious Area
	0.570		22.89% Impervious Area

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

Subcatchment 3C: Post 3C



Hydrograph for Subcatchment 3C: Post 3C

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	3.37	0.00
10.00	0.97	0.02	**0.09**	265.00	6.10	3.37	0.00
15.00	5.36	2.75	**0.45**	270.00	6.10	3.37	0.00
20.00	**5.90**	**3.20**	0.16	275.00	6.10	3.37	0.00
25.00	**6.10**	**3.37**	0.00	280.00	6.10	3.37	0.00
30.00	6.10	3.37	0.00	285.00	6.10	3.37	0.00
35.00	6.10	3.37	0.00	290.00	6.10	3.37	0.00
40.00	6.10	3.37	0.00	295.00	6.10	3.37	0.00
45.00	6.10	3.37	0.00	300.00	6.10	3.37	0.00
50.00	6.10	3.37	0.00	305.00	6.10	3.37	0.00
55.00	6.10	3.37	0.00	310.00	6.10	3.37	0.00
60.00	6.10	3.37	0.00	315.00	6.10	3.37	0.00
65.00	6.10	3.37	0.00	320.00	6.10	3.37	0.00
70.00	6.10	3.37	0.00	325.00	6.10	3.37	0.00
75.00	6.10	3.37	0.00	330.00	6.10	3.37	0.00
80.00	6.10	3.37	0.00	335.00	6.10	3.37	0.00
85.00	6.10	3.37	0.00	340.00	6.10	3.37	0.00
90.00	6.10	3.37	0.00	345.00	6.10	3.37	0.00
95.00	6.10	3.37	0.00	350.00	6.10	3.37	0.00
100.00	6.10	3.37	0.00	355.00	6.10	3.37	0.00
105.00	6.10	3.37	0.00	360.00	6.10	3.37	0.00
110.00	6.10	3.37	0.00	365.00	6.10	3.37	0.00
115.00	6.10	3.37	0.00	370.00	6.10	3.37	0.00
120.00	6.10	3.37	0.00	375.00	6.10	3.37	0.00
125.00	6.10	3.37	0.00	380.00	6.10	3.37	0.00
130.00	6.10	3.37	0.00	385.00	6.10	3.37	0.00
135.00	6.10	3.37	0.00	390.00	6.10	3.37	0.00
140.00	6.10	3.37	0.00	395.00	6.10	3.37	0.00
145.00	6.10	3.37	0.00	400.00	6.10	3.37	0.00
150.00	6.10	3.37	0.00	405.00	6.10	3.37	0.00
155.00	6.10	3.37	0.00	410.00	6.10	3.37	0.00
160.00	6.10	3.37	0.00	415.00	6.10	3.37	0.00
165.00	6.10	3.37	0.00	420.00	6.10	3.37	0.00
170.00	6.10	3.37	0.00	425.00	6.10	3.37	0.00
175.00	6.10	3.37	0.00	430.00	6.10	3.37	0.00
180.00	6.10	3.37	0.00	435.00	6.10	3.37	0.00
185.00	6.10	3.37	0.00	440.00	6.10	3.37	0.00
190.00	6.10	3.37	0.00	445.00	6.10	3.37	0.00
195.00	6.10	3.37	0.00	450.00	6.10	3.37	0.00
200.00	6.10	3.37	0.00	455.00	6.10	3.37	0.00
205.00	6.10	3.37	0.00	460.00	6.10	3.37	0.00
210.00	6.10	3.37	0.00	465.00	6.10	3.37	0.00
215.00	6.10	3.37	0.00	470.00	6.10	3.37	0.00
220.00	6.10	3.37	0.00	475.00	6.10	3.37	0.00
225.00	6.10	3.37	0.00	480.00	6.10	3.37	0.00
230.00	6.10	3.37	0.00	485.00	6.10	3.37	0.00
235.00	6.10	3.37	0.00	490.00	6.10	3.37	0.00
240.00	6.10	3.37	0.00	495.00	6.10	3.37	0.00
245.00	6.10	3.37	0.00	500.00	6.10	3.37	0.00
250.00	6.10	3.37	0.00				
255.00	6.10	3.37	0.00				

Summary for Subcatchment 3D: Post 3D

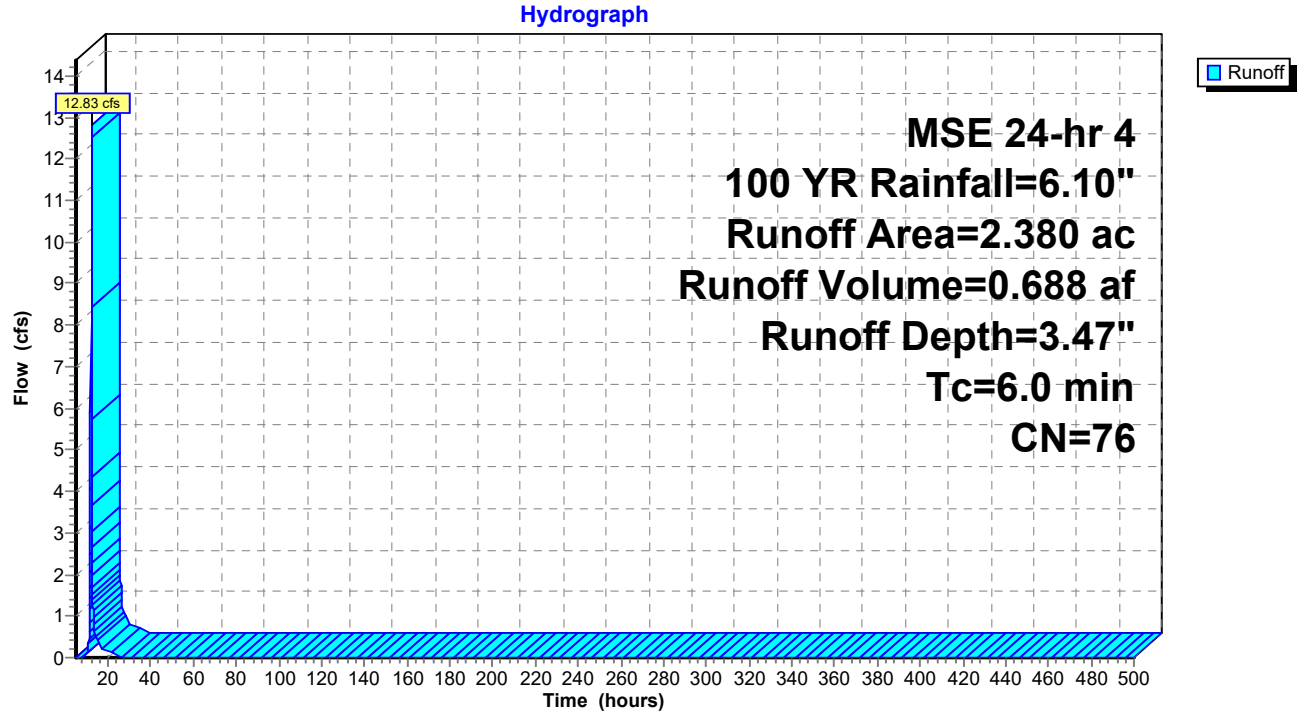
Runoff = 12.83 cfs @ 12.13 hrs, Volume= 0.688 af, Depth= 3.47"
Routed to Pond P3D : Pond 3D

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	0.570	98	Impervious
*	0.610	61	Post - B Soils
*	1.200	74	Post - C Soils
	2.380	76	Weighted Average
	1.810		76.05% Pervious Area
	0.570		23.95% Impervious Area

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

Subcatchment 3D: Post 3D



Hydrograph for Subcatchment 3D: Post 3D

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	3.47	0.00
10.00	0.97	0.03	**0.10**	265.00	6.10	3.47	0.00
15.00	5.36	2.84	**0.43**	270.00	6.10	3.47	0.00
20.00	**5.90**	**3.30**	0.16	275.00	6.10	3.47	0.00
25.00	**6.10**	**3.47**	0.00	280.00	6.10	3.47	0.00
30.00	6.10	3.47	0.00	285.00	6.10	3.47	0.00
35.00	6.10	3.47	0.00	290.00	6.10	3.47	0.00
40.00	6.10	3.47	0.00	295.00	6.10	3.47	0.00
45.00	6.10	3.47	0.00	300.00	6.10	3.47	0.00
50.00	6.10	3.47	0.00	305.00	6.10	3.47	0.00
55.00	6.10	3.47	0.00	310.00	6.10	3.47	0.00
60.00	6.10	3.47	0.00	315.00	6.10	3.47	0.00
65.00	6.10	3.47	0.00	320.00	6.10	3.47	0.00
70.00	6.10	3.47	0.00	325.00	6.10	3.47	0.00
75.00	6.10	3.47	0.00	330.00	6.10	3.47	0.00
80.00	6.10	3.47	0.00	335.00	6.10	3.47	0.00
85.00	6.10	3.47	0.00	340.00	6.10	3.47	0.00
90.00	6.10	3.47	0.00	345.00	6.10	3.47	0.00
95.00	6.10	3.47	0.00	350.00	6.10	3.47	0.00
100.00	6.10	3.47	0.00	355.00	6.10	3.47	0.00
105.00	6.10	3.47	0.00	360.00	6.10	3.47	0.00
110.00	6.10	3.47	0.00	365.00	6.10	3.47	0.00
115.00	6.10	3.47	0.00	370.00	6.10	3.47	0.00
120.00	6.10	3.47	0.00	375.00	6.10	3.47	0.00
125.00	6.10	3.47	0.00	380.00	6.10	3.47	0.00
130.00	6.10	3.47	0.00	385.00	6.10	3.47	0.00
135.00	6.10	3.47	0.00	390.00	6.10	3.47	0.00
140.00	6.10	3.47	0.00	395.00	6.10	3.47	0.00
145.00	6.10	3.47	0.00	400.00	6.10	3.47	0.00
150.00	6.10	3.47	0.00	405.00	6.10	3.47	0.00
155.00	6.10	3.47	0.00	410.00	6.10	3.47	0.00
160.00	6.10	3.47	0.00	415.00	6.10	3.47	0.00
165.00	6.10	3.47	0.00	420.00	6.10	3.47	0.00
170.00	6.10	3.47	0.00	425.00	6.10	3.47	0.00
175.00	6.10	3.47	0.00	430.00	6.10	3.47	0.00
180.00	6.10	3.47	0.00	435.00	6.10	3.47	0.00
185.00	6.10	3.47	0.00	440.00	6.10	3.47	0.00
190.00	6.10	3.47	0.00	445.00	6.10	3.47	0.00
195.00	6.10	3.47	0.00	450.00	6.10	3.47	0.00
200.00	6.10	3.47	0.00	455.00	6.10	3.47	0.00
205.00	6.10	3.47	0.00	460.00	6.10	3.47	0.00
210.00	6.10	3.47	0.00	465.00	6.10	3.47	0.00
215.00	6.10	3.47	0.00	470.00	6.10	3.47	0.00
220.00	6.10	3.47	0.00	475.00	6.10	3.47	0.00
225.00	6.10	3.47	0.00	480.00	6.10	3.47	0.00
230.00	6.10	3.47	0.00	485.00	6.10	3.47	0.00
235.00	6.10	3.47	0.00	490.00	6.10	3.47	0.00
240.00	6.10	3.47	0.00	495.00	6.10	3.47	0.00
245.00	6.10	3.47	0.00	500.00	6.10	3.47	0.00
250.00	6.10	3.47	0.00				
255.00	6.10	3.47	0.00				

Summary for Subcatchment 3E: Post 3E

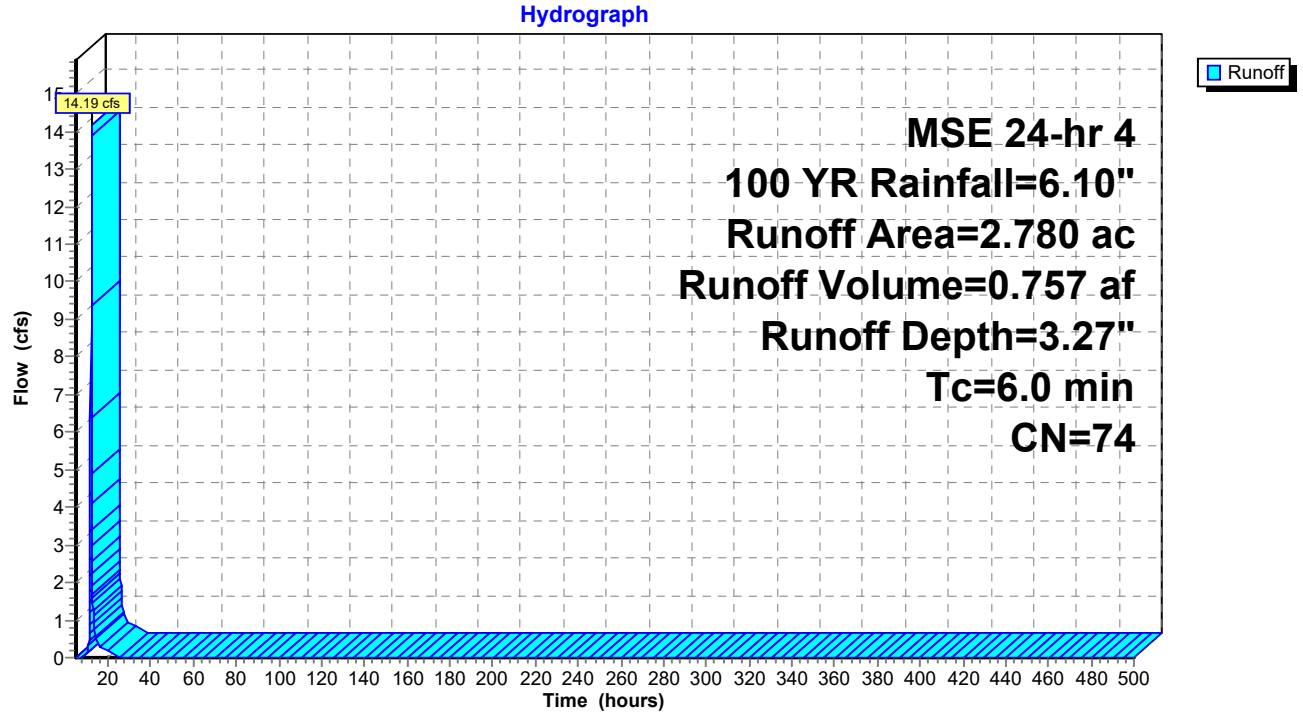
Runoff = 14.19 cfs @ 12.13 hrs, Volume= 0.757 af, Depth= 3.27"
Routed to Pond P3E : Pond 3E

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	0.530	98	Impervious
*	0.920	61	Post - B Soils
*	1.330	74	Post - C Soils
	2.780	74	Weighted Average
	2.250		80.94% Pervious Area
	0.530		19.06% Impervious Area

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

Subcatchment 3E: Post 3E



Hydrograph for Subcatchment 3E: Post 3E

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	3.27	0.00
10.00	0.97	0.02	**0.08**	265.00	6.10	3.27	0.00
15.00	5.36	2.66	**0.49**	270.00	6.10	3.27	0.00
20.00	**5.90**	**3.10**	0.18	275.00	6.10	3.27	0.00
25.00	**6.10**	**3.27**	0.00	280.00	6.10	3.27	0.00
30.00	6.10	3.27	0.00	285.00	6.10	3.27	0.00
35.00	6.10	3.27	0.00	290.00	6.10	3.27	0.00
40.00	6.10	3.27	0.00	295.00	6.10	3.27	0.00
45.00	6.10	3.27	0.00	300.00	6.10	3.27	0.00
50.00	6.10	3.27	0.00	305.00	6.10	3.27	0.00
55.00	6.10	3.27	0.00	310.00	6.10	3.27	0.00
60.00	6.10	3.27	0.00	315.00	6.10	3.27	0.00
65.00	6.10	3.27	0.00	320.00	6.10	3.27	0.00
70.00	6.10	3.27	0.00	325.00	6.10	3.27	0.00
75.00	6.10	3.27	0.00	330.00	6.10	3.27	0.00
80.00	6.10	3.27	0.00	335.00	6.10	3.27	0.00
85.00	6.10	3.27	0.00	340.00	6.10	3.27	0.00
90.00	6.10	3.27	0.00	345.00	6.10	3.27	0.00
95.00	6.10	3.27	0.00	350.00	6.10	3.27	0.00
100.00	6.10	3.27	0.00	355.00	6.10	3.27	0.00
105.00	6.10	3.27	0.00	360.00	6.10	3.27	0.00
110.00	6.10	3.27	0.00	365.00	6.10	3.27	0.00
115.00	6.10	3.27	0.00	370.00	6.10	3.27	0.00
120.00	6.10	3.27	0.00	375.00	6.10	3.27	0.00
125.00	6.10	3.27	0.00	380.00	6.10	3.27	0.00
130.00	6.10	3.27	0.00	385.00	6.10	3.27	0.00
135.00	6.10	3.27	0.00	390.00	6.10	3.27	0.00
140.00	6.10	3.27	0.00	395.00	6.10	3.27	0.00
145.00	6.10	3.27	0.00	400.00	6.10	3.27	0.00
150.00	6.10	3.27	0.00	405.00	6.10	3.27	0.00
155.00	6.10	3.27	0.00	410.00	6.10	3.27	0.00
160.00	6.10	3.27	0.00	415.00	6.10	3.27	0.00
165.00	6.10	3.27	0.00	420.00	6.10	3.27	0.00
170.00	6.10	3.27	0.00	425.00	6.10	3.27	0.00
175.00	6.10	3.27	0.00	430.00	6.10	3.27	0.00
180.00	6.10	3.27	0.00	435.00	6.10	3.27	0.00
185.00	6.10	3.27	0.00	440.00	6.10	3.27	0.00
190.00	6.10	3.27	0.00	445.00	6.10	3.27	0.00
195.00	6.10	3.27	0.00	450.00	6.10	3.27	0.00
200.00	6.10	3.27	0.00	455.00	6.10	3.27	0.00
205.00	6.10	3.27	0.00	460.00	6.10	3.27	0.00
210.00	6.10	3.27	0.00	465.00	6.10	3.27	0.00
215.00	6.10	3.27	0.00	470.00	6.10	3.27	0.00
220.00	6.10	3.27	0.00	475.00	6.10	3.27	0.00
225.00	6.10	3.27	0.00	480.00	6.10	3.27	0.00
230.00	6.10	3.27	0.00	485.00	6.10	3.27	0.00
235.00	6.10	3.27	0.00	490.00	6.10	3.27	0.00
240.00	6.10	3.27	0.00	495.00	6.10	3.27	0.00
245.00	6.10	3.27	0.00	500.00	6.10	3.27	0.00
250.00	6.10	3.27	0.00				
255.00	6.10	3.27	0.00				

Summary for Subcatchment 3Y: Post 3Y - Offsite

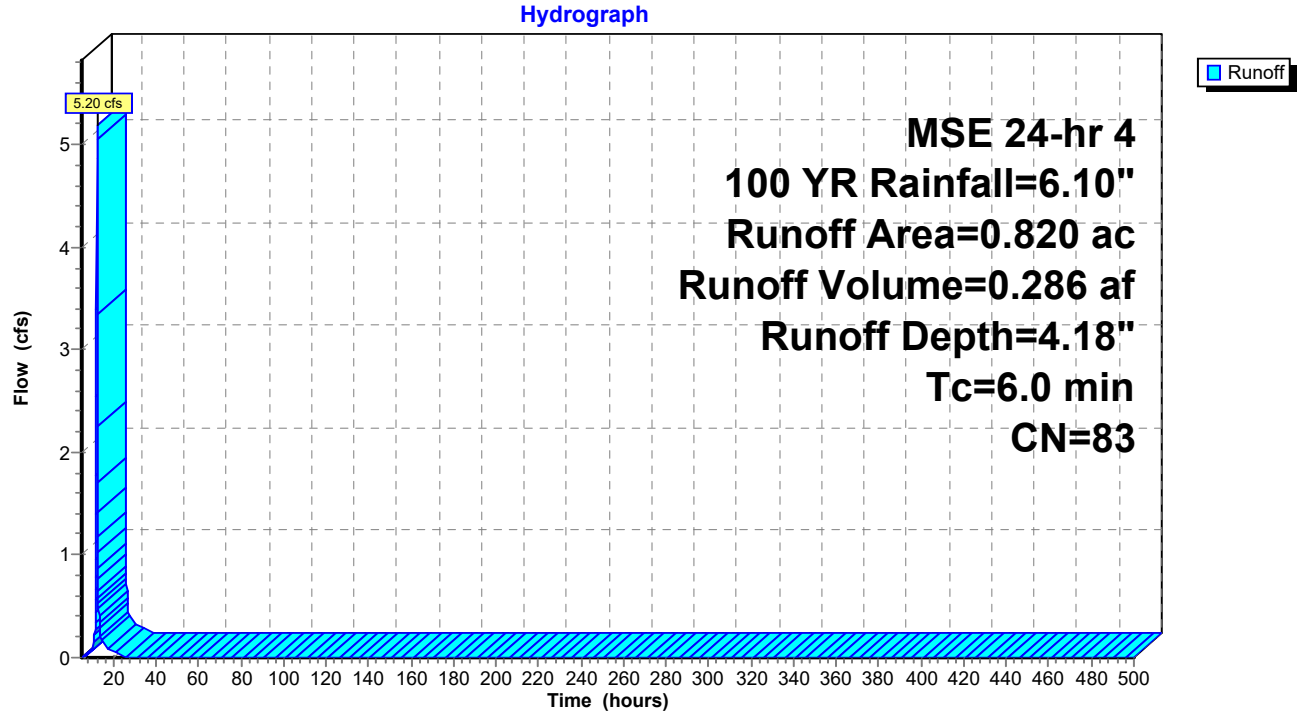
Runoff = 5.20 cfs @ 12.13 hrs, Volume= 0.286 af, Depth= 4.18"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	0.300	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.820	83	Weighted Average
	0.520		63.41% Pervious Area
	0.300		36.59% Impervious Area

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

Subcatchment 3Y: Post 3Y - Offsite



Hydrograph for Subcatchment 3Y: Post 3Y - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	4.18	0.00
10.00	0.97	0.12	**0.07**	265.00	6.10	4.18	0.00
15.00	5.36	3.50	**0.16**	270.00	6.10	4.18	0.00
20.00	**5.90**	**4.00**	0.06	275.00	6.10	4.18	0.00
25.00	**6.10**	**4.18**	0.00	280.00	6.10	4.18	0.00
30.00	6.10	4.18	0.00	285.00	6.10	4.18	0.00
35.00	6.10	4.18	0.00	290.00	6.10	4.18	0.00
40.00	6.10	4.18	0.00	295.00	6.10	4.18	0.00
45.00	6.10	4.18	0.00	300.00	6.10	4.18	0.00
50.00	6.10	4.18	0.00	305.00	6.10	4.18	0.00
55.00	6.10	4.18	0.00	310.00	6.10	4.18	0.00
60.00	6.10	4.18	0.00	315.00	6.10	4.18	0.00
65.00	6.10	4.18	0.00	320.00	6.10	4.18	0.00
70.00	6.10	4.18	0.00	325.00	6.10	4.18	0.00
75.00	6.10	4.18	0.00	330.00	6.10	4.18	0.00
80.00	6.10	4.18	0.00	335.00	6.10	4.18	0.00
85.00	6.10	4.18	0.00	340.00	6.10	4.18	0.00
90.00	6.10	4.18	0.00	345.00	6.10	4.18	0.00
95.00	6.10	4.18	0.00	350.00	6.10	4.18	0.00
100.00	6.10	4.18	0.00	355.00	6.10	4.18	0.00
105.00	6.10	4.18	0.00	360.00	6.10	4.18	0.00
110.00	6.10	4.18	0.00	365.00	6.10	4.18	0.00
115.00	6.10	4.18	0.00	370.00	6.10	4.18	0.00
120.00	6.10	4.18	0.00	375.00	6.10	4.18	0.00
125.00	6.10	4.18	0.00	380.00	6.10	4.18	0.00
130.00	6.10	4.18	0.00	385.00	6.10	4.18	0.00
135.00	6.10	4.18	0.00	390.00	6.10	4.18	0.00
140.00	6.10	4.18	0.00	395.00	6.10	4.18	0.00
145.00	6.10	4.18	0.00	400.00	6.10	4.18	0.00
150.00	6.10	4.18	0.00	405.00	6.10	4.18	0.00
155.00	6.10	4.18	0.00	410.00	6.10	4.18	0.00
160.00	6.10	4.18	0.00	415.00	6.10	4.18	0.00
165.00	6.10	4.18	0.00	420.00	6.10	4.18	0.00
170.00	6.10	4.18	0.00	425.00	6.10	4.18	0.00
175.00	6.10	4.18	0.00	430.00	6.10	4.18	0.00
180.00	6.10	4.18	0.00	435.00	6.10	4.18	0.00
185.00	6.10	4.18	0.00	440.00	6.10	4.18	0.00
190.00	6.10	4.18	0.00	445.00	6.10	4.18	0.00
195.00	6.10	4.18	0.00	450.00	6.10	4.18	0.00
200.00	6.10	4.18	0.00	455.00	6.10	4.18	0.00
205.00	6.10	4.18	0.00	460.00	6.10	4.18	0.00
210.00	6.10	4.18	0.00	465.00	6.10	4.18	0.00
215.00	6.10	4.18	0.00	470.00	6.10	4.18	0.00
220.00	6.10	4.18	0.00	475.00	6.10	4.18	0.00
225.00	6.10	4.18	0.00	480.00	6.10	4.18	0.00
230.00	6.10	4.18	0.00	485.00	6.10	4.18	0.00
235.00	6.10	4.18	0.00	490.00	6.10	4.18	0.00
240.00	6.10	4.18	0.00	495.00	6.10	4.18	0.00
245.00	6.10	4.18	0.00	500.00	6.10	4.18	0.00
250.00	6.10	4.18	0.00				
255.00	6.10	4.18	0.00				

Summary for Subcatchment 3Z: Post 3Z - Offsite

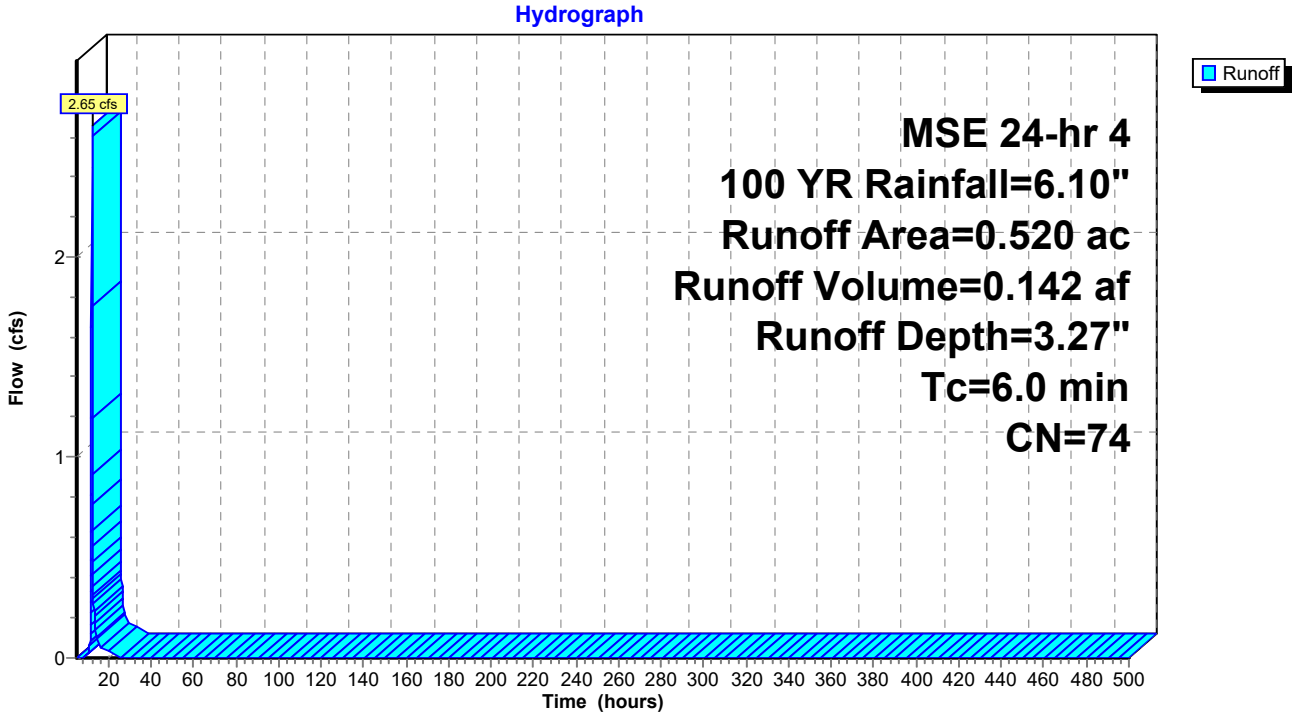
Runoff = 2.65 cfs @ 12.13 hrs, Volume= 0.142 af, Depth= 3.27"
Routed to Link 4L : Post - North

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (ac)	CN	Description
*	0.000	98	Impervious
*	0.000	61	Post - B Soils
*	0.520	74	Post - C Soils
	0.520	74	Weighted Average
	0.520		100.00% Pervious Area

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

Subcatchment 3Z: Post 3Z - Offsite



Hydrograph for Subcatchment 3Z: Post 3Z - Offsite

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	3.27	0.00
10.00	0.97	0.02	**0.02**	265.00	6.10	3.27	0.00
15.00	5.36	2.66	**0.09**	270.00	6.10	3.27	0.00
20.00	**5.90**	**3.10**	0.03	275.00	6.10	3.27	0.00
25.00	**6.10**	**3.27**	0.00	280.00	6.10	3.27	0.00
30.00	6.10	3.27	0.00	285.00	6.10	3.27	0.00
35.00	6.10	3.27	0.00	290.00	6.10	3.27	0.00
40.00	6.10	3.27	0.00	295.00	6.10	3.27	0.00
45.00	6.10	3.27	0.00	300.00	6.10	3.27	0.00
50.00	6.10	3.27	0.00	305.00	6.10	3.27	0.00
55.00	6.10	3.27	0.00	310.00	6.10	3.27	0.00
60.00	6.10	3.27	0.00	315.00	6.10	3.27	0.00
65.00	6.10	3.27	0.00	320.00	6.10	3.27	0.00
70.00	6.10	3.27	0.00	325.00	6.10	3.27	0.00
75.00	6.10	3.27	0.00	330.00	6.10	3.27	0.00
80.00	6.10	3.27	0.00	335.00	6.10	3.27	0.00
85.00	6.10	3.27	0.00	340.00	6.10	3.27	0.00
90.00	6.10	3.27	0.00	345.00	6.10	3.27	0.00
95.00	6.10	3.27	0.00	350.00	6.10	3.27	0.00
100.00	6.10	3.27	0.00	355.00	6.10	3.27	0.00
105.00	6.10	3.27	0.00	360.00	6.10	3.27	0.00
110.00	6.10	3.27	0.00	365.00	6.10	3.27	0.00
115.00	6.10	3.27	0.00	370.00	6.10	3.27	0.00
120.00	6.10	3.27	0.00	375.00	6.10	3.27	0.00
125.00	6.10	3.27	0.00	380.00	6.10	3.27	0.00
130.00	6.10	3.27	0.00	385.00	6.10	3.27	0.00
135.00	6.10	3.27	0.00	390.00	6.10	3.27	0.00
140.00	6.10	3.27	0.00	395.00	6.10	3.27	0.00
145.00	6.10	3.27	0.00	400.00	6.10	3.27	0.00
150.00	6.10	3.27	0.00	405.00	6.10	3.27	0.00
155.00	6.10	3.27	0.00	410.00	6.10	3.27	0.00
160.00	6.10	3.27	0.00	415.00	6.10	3.27	0.00
165.00	6.10	3.27	0.00	420.00	6.10	3.27	0.00
170.00	6.10	3.27	0.00	425.00	6.10	3.27	0.00
175.00	6.10	3.27	0.00	430.00	6.10	3.27	0.00
180.00	6.10	3.27	0.00	435.00	6.10	3.27	0.00
185.00	6.10	3.27	0.00	440.00	6.10	3.27	0.00
190.00	6.10	3.27	0.00	445.00	6.10	3.27	0.00
195.00	6.10	3.27	0.00	450.00	6.10	3.27	0.00
200.00	6.10	3.27	0.00	455.00	6.10	3.27	0.00
205.00	6.10	3.27	0.00	460.00	6.10	3.27	0.00
210.00	6.10	3.27	0.00	465.00	6.10	3.27	0.00
215.00	6.10	3.27	0.00	470.00	6.10	3.27	0.00
220.00	6.10	3.27	0.00	475.00	6.10	3.27	0.00
225.00	6.10	3.27	0.00	480.00	6.10	3.27	0.00
230.00	6.10	3.27	0.00	485.00	6.10	3.27	0.00
235.00	6.10	3.27	0.00	490.00	6.10	3.27	0.00
240.00	6.10	3.27	0.00	495.00	6.10	3.27	0.00
245.00	6.10	3.27	0.00	500.00	6.10	3.27	0.00
250.00	6.10	3.27	0.00				
255.00	6.10	3.27	0.00				

Summary for Subcatchment 5S: Culvert 1

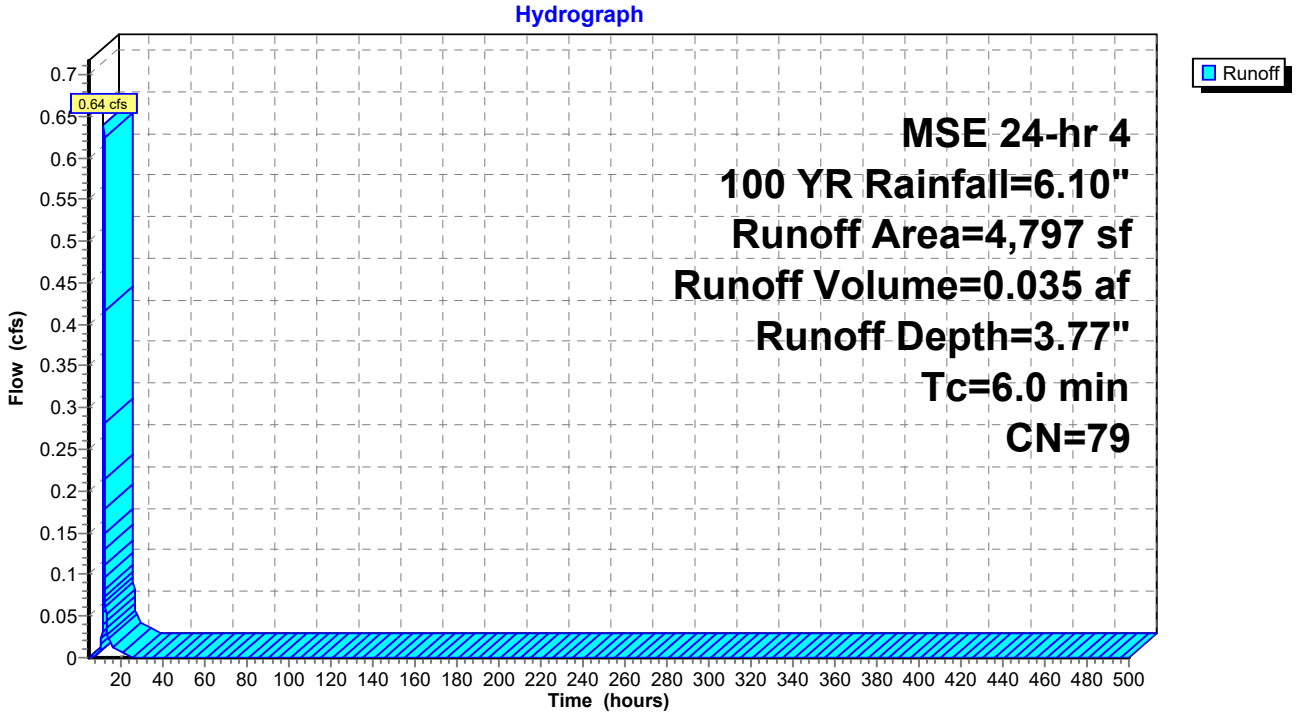
Runoff = 0.64 cfs @ 12.13 hrs, Volume= 0.035 af, Depth= 3.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (sf)	CN	Description
*	2,465	61	Post - B Soils
*	2,332	98	Impervious
	4,797	79	Weighted Average
	2,465		51.39% Pervious Area
	2,332		48.61% Impervious Area

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

Subcatchment 5S: Culvert 1



Hydrograph for Subcatchment 5S: Culvert 1

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	3.77	0.00
10.00	0.97	0.06	**0.01**	265.00	6.10	3.77	0.00
15.00	5.36	3.12	**0.02**	270.00	6.10	3.77	0.00
20.00	**5.90**	**3.59**	0.01	275.00	6.10	3.77	0.00
25.00	**6.10**	**3.77**	0.00	280.00	6.10	3.77	0.00
30.00	6.10	3.77	0.00	285.00	6.10	3.77	0.00
35.00	6.10	3.77	0.00	290.00	6.10	3.77	0.00
40.00	6.10	3.77	0.00	295.00	6.10	3.77	0.00
45.00	6.10	3.77	0.00	300.00	6.10	3.77	0.00
50.00	6.10	3.77	0.00	305.00	6.10	3.77	0.00
55.00	6.10	3.77	0.00	310.00	6.10	3.77	0.00
60.00	6.10	3.77	0.00	315.00	6.10	3.77	0.00
65.00	6.10	3.77	0.00	320.00	6.10	3.77	0.00
70.00	6.10	3.77	0.00	325.00	6.10	3.77	0.00
75.00	6.10	3.77	0.00	330.00	6.10	3.77	0.00
80.00	6.10	3.77	0.00	335.00	6.10	3.77	0.00
85.00	6.10	3.77	0.00	340.00	6.10	3.77	0.00
90.00	6.10	3.77	0.00	345.00	6.10	3.77	0.00
95.00	6.10	3.77	0.00	350.00	6.10	3.77	0.00
100.00	6.10	3.77	0.00	355.00	6.10	3.77	0.00
105.00	6.10	3.77	0.00	360.00	6.10	3.77	0.00
110.00	6.10	3.77	0.00	365.00	6.10	3.77	0.00
115.00	6.10	3.77	0.00	370.00	6.10	3.77	0.00
120.00	6.10	3.77	0.00	375.00	6.10	3.77	0.00
125.00	6.10	3.77	0.00	380.00	6.10	3.77	0.00
130.00	6.10	3.77	0.00	385.00	6.10	3.77	0.00
135.00	6.10	3.77	0.00	390.00	6.10	3.77	0.00
140.00	6.10	3.77	0.00	395.00	6.10	3.77	0.00
145.00	6.10	3.77	0.00	400.00	6.10	3.77	0.00
150.00	6.10	3.77	0.00	405.00	6.10	3.77	0.00
155.00	6.10	3.77	0.00	410.00	6.10	3.77	0.00
160.00	6.10	3.77	0.00	415.00	6.10	3.77	0.00
165.00	6.10	3.77	0.00	420.00	6.10	3.77	0.00
170.00	6.10	3.77	0.00	425.00	6.10	3.77	0.00
175.00	6.10	3.77	0.00	430.00	6.10	3.77	0.00
180.00	6.10	3.77	0.00	435.00	6.10	3.77	0.00
185.00	6.10	3.77	0.00	440.00	6.10	3.77	0.00
190.00	6.10	3.77	0.00	445.00	6.10	3.77	0.00
195.00	6.10	3.77	0.00	450.00	6.10	3.77	0.00
200.00	6.10	3.77	0.00	455.00	6.10	3.77	0.00
205.00	6.10	3.77	0.00	460.00	6.10	3.77	0.00
210.00	6.10	3.77	0.00	465.00	6.10	3.77	0.00
215.00	6.10	3.77	0.00	470.00	6.10	3.77	0.00
220.00	6.10	3.77	0.00	475.00	6.10	3.77	0.00
225.00	6.10	3.77	0.00	480.00	6.10	3.77	0.00
230.00	6.10	3.77	0.00	485.00	6.10	3.77	0.00
235.00	6.10	3.77	0.00	490.00	6.10	3.77	0.00
240.00	6.10	3.77	0.00	495.00	6.10	3.77	0.00
245.00	6.10	3.77	0.00	500.00	6.10	3.77	0.00
250.00	6.10	3.77	0.00				
255.00	6.10	3.77	0.00				

Summary for Subcatchment 6S: Culvert 2

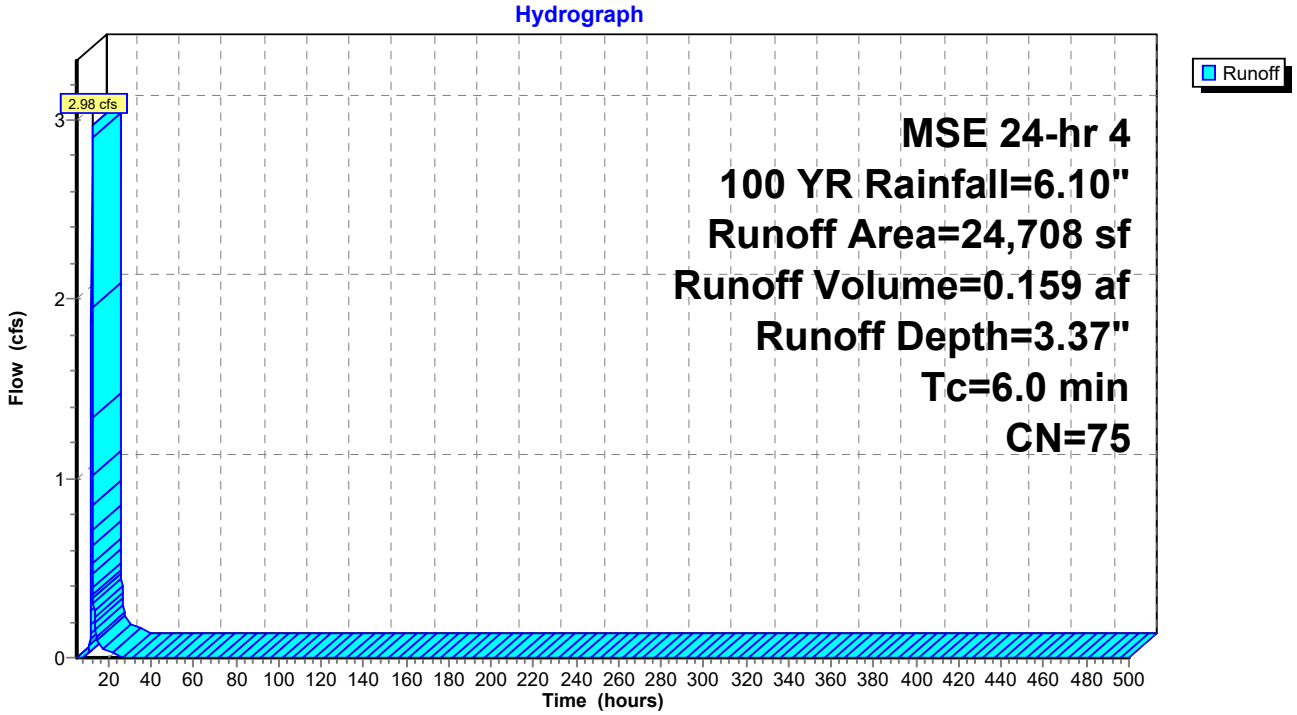
Runoff = 2.98 cfs @ 12.13 hrs, Volume= 0.159 af, Depth= 3.37"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (sf)	CN	Description
*	15,597	61	Post - B Soils
*	9,111	98	Impervious
	24,708	75	Weighted Average
	15,597		63.13% Pervious Area
	9,111		36.87% Impervious Area

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

Subcatchment 6S: Culvert 2



Hydrograph for Subcatchment 6S: Culvert 2

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	3.37	0.00
10.00	0.97	0.02	**0.02**	265.00	6.10	3.37	0.00
15.00	5.36	2.75	**0.10**	270.00	6.10	3.37	0.00
20.00	**5.90**	**3.20**	0.04	275.00	6.10	3.37	0.00
25.00	**6.10**	**3.37**	0.00	280.00	6.10	3.37	0.00
30.00	6.10	3.37	0.00	285.00	6.10	3.37	0.00
35.00	6.10	3.37	0.00	290.00	6.10	3.37	0.00
40.00	6.10	3.37	0.00	295.00	6.10	3.37	0.00
45.00	6.10	3.37	0.00	300.00	6.10	3.37	0.00
50.00	6.10	3.37	0.00	305.00	6.10	3.37	0.00
55.00	6.10	3.37	0.00	310.00	6.10	3.37	0.00
60.00	6.10	3.37	0.00	315.00	6.10	3.37	0.00
65.00	6.10	3.37	0.00	320.00	6.10	3.37	0.00
70.00	6.10	3.37	0.00	325.00	6.10	3.37	0.00
75.00	6.10	3.37	0.00	330.00	6.10	3.37	0.00
80.00	6.10	3.37	0.00	335.00	6.10	3.37	0.00
85.00	6.10	3.37	0.00	340.00	6.10	3.37	0.00
90.00	6.10	3.37	0.00	345.00	6.10	3.37	0.00
95.00	6.10	3.37	0.00	350.00	6.10	3.37	0.00
100.00	6.10	3.37	0.00	355.00	6.10	3.37	0.00
105.00	6.10	3.37	0.00	360.00	6.10	3.37	0.00
110.00	6.10	3.37	0.00	365.00	6.10	3.37	0.00
115.00	6.10	3.37	0.00	370.00	6.10	3.37	0.00
120.00	6.10	3.37	0.00	375.00	6.10	3.37	0.00
125.00	6.10	3.37	0.00	380.00	6.10	3.37	0.00
130.00	6.10	3.37	0.00	385.00	6.10	3.37	0.00
135.00	6.10	3.37	0.00	390.00	6.10	3.37	0.00
140.00	6.10	3.37	0.00	395.00	6.10	3.37	0.00
145.00	6.10	3.37	0.00	400.00	6.10	3.37	0.00
150.00	6.10	3.37	0.00	405.00	6.10	3.37	0.00
155.00	6.10	3.37	0.00	410.00	6.10	3.37	0.00
160.00	6.10	3.37	0.00	415.00	6.10	3.37	0.00
165.00	6.10	3.37	0.00	420.00	6.10	3.37	0.00
170.00	6.10	3.37	0.00	425.00	6.10	3.37	0.00
175.00	6.10	3.37	0.00	430.00	6.10	3.37	0.00
180.00	6.10	3.37	0.00	435.00	6.10	3.37	0.00
185.00	6.10	3.37	0.00	440.00	6.10	3.37	0.00
190.00	6.10	3.37	0.00	445.00	6.10	3.37	0.00
195.00	6.10	3.37	0.00	450.00	6.10	3.37	0.00
200.00	6.10	3.37	0.00	455.00	6.10	3.37	0.00
205.00	6.10	3.37	0.00	460.00	6.10	3.37	0.00
210.00	6.10	3.37	0.00	465.00	6.10	3.37	0.00
215.00	6.10	3.37	0.00	470.00	6.10	3.37	0.00
220.00	6.10	3.37	0.00	475.00	6.10	3.37	0.00
225.00	6.10	3.37	0.00	480.00	6.10	3.37	0.00
230.00	6.10	3.37	0.00	485.00	6.10	3.37	0.00
235.00	6.10	3.37	0.00	490.00	6.10	3.37	0.00
240.00	6.10	3.37	0.00	495.00	6.10	3.37	0.00
245.00	6.10	3.37	0.00	500.00	6.10	3.37	0.00
250.00	6.10	3.37	0.00				
255.00	6.10	3.37	0.00				

Summary for Subcatchment 7S: Culvert 3

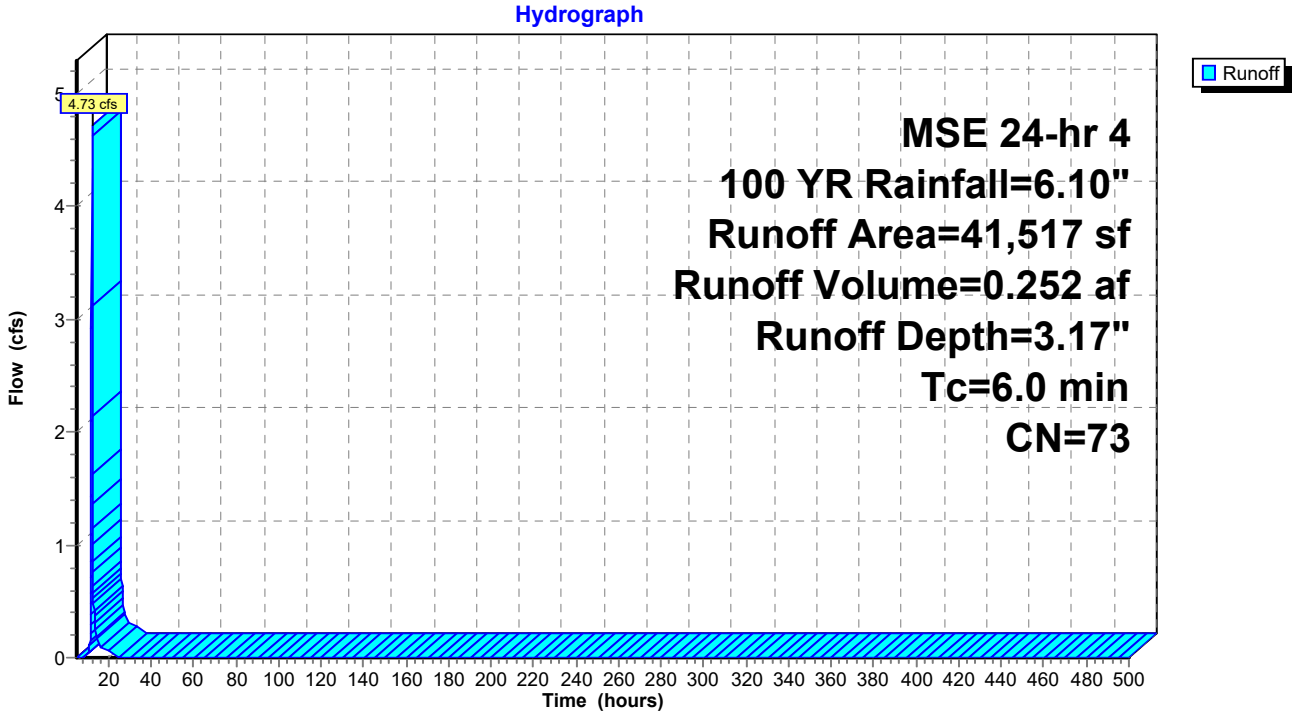
Runoff = 4.73 cfs @ 12.13 hrs, Volume= 0.252 af, Depth= 3.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (sf)	CN	Description
*	28,233	61	Post - B Soils
*	13,284	98	Impervious
	41,517	73	Weighted Average
	28,233		68.00% Pervious Area
	13,284		32.00% Impervious Area

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

Subcatchment 7S: Culvert 3



Hydrograph for Subcatchment 7S: Culvert 3

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	3.17	0.00
10.00	0.97	0.01	**0.02**	265.00	6.10	3.17	0.00
15.00	5.36	2.57	**0.17**	270.00	6.10	3.17	0.00
20.00	**5.90**	**3.01**	0.06	275.00	6.10	3.17	0.00
25.00	**6.10**	**3.17**	0.00	280.00	6.10	3.17	0.00
30.00	6.10	3.17	0.00	285.00	6.10	3.17	0.00
35.00	6.10	3.17	0.00	290.00	6.10	3.17	0.00
40.00	6.10	3.17	0.00	295.00	6.10	3.17	0.00
45.00	6.10	3.17	0.00	300.00	6.10	3.17	0.00
50.00	6.10	3.17	0.00	305.00	6.10	3.17	0.00
55.00	6.10	3.17	0.00	310.00	6.10	3.17	0.00
60.00	6.10	3.17	0.00	315.00	6.10	3.17	0.00
65.00	6.10	3.17	0.00	320.00	6.10	3.17	0.00
70.00	6.10	3.17	0.00	325.00	6.10	3.17	0.00
75.00	6.10	3.17	0.00	330.00	6.10	3.17	0.00
80.00	6.10	3.17	0.00	335.00	6.10	3.17	0.00
85.00	6.10	3.17	0.00	340.00	6.10	3.17	0.00
90.00	6.10	3.17	0.00	345.00	6.10	3.17	0.00
95.00	6.10	3.17	0.00	350.00	6.10	3.17	0.00
100.00	6.10	3.17	0.00	355.00	6.10	3.17	0.00
105.00	6.10	3.17	0.00	360.00	6.10	3.17	0.00
110.00	6.10	3.17	0.00	365.00	6.10	3.17	0.00
115.00	6.10	3.17	0.00	370.00	6.10	3.17	0.00
120.00	6.10	3.17	0.00	375.00	6.10	3.17	0.00
125.00	6.10	3.17	0.00	380.00	6.10	3.17	0.00
130.00	6.10	3.17	0.00	385.00	6.10	3.17	0.00
135.00	6.10	3.17	0.00	390.00	6.10	3.17	0.00
140.00	6.10	3.17	0.00	395.00	6.10	3.17	0.00
145.00	6.10	3.17	0.00	400.00	6.10	3.17	0.00
150.00	6.10	3.17	0.00	405.00	6.10	3.17	0.00
155.00	6.10	3.17	0.00	410.00	6.10	3.17	0.00
160.00	6.10	3.17	0.00	415.00	6.10	3.17	0.00
165.00	6.10	3.17	0.00	420.00	6.10	3.17	0.00
170.00	6.10	3.17	0.00	425.00	6.10	3.17	0.00
175.00	6.10	3.17	0.00	430.00	6.10	3.17	0.00
180.00	6.10	3.17	0.00	435.00	6.10	3.17	0.00
185.00	6.10	3.17	0.00	440.00	6.10	3.17	0.00
190.00	6.10	3.17	0.00	445.00	6.10	3.17	0.00
195.00	6.10	3.17	0.00	450.00	6.10	3.17	0.00
200.00	6.10	3.17	0.00	455.00	6.10	3.17	0.00
205.00	6.10	3.17	0.00	460.00	6.10	3.17	0.00
210.00	6.10	3.17	0.00	465.00	6.10	3.17	0.00
215.00	6.10	3.17	0.00	470.00	6.10	3.17	0.00
220.00	6.10	3.17	0.00	475.00	6.10	3.17	0.00
225.00	6.10	3.17	0.00	480.00	6.10	3.17	0.00
230.00	6.10	3.17	0.00	485.00	6.10	3.17	0.00
235.00	6.10	3.17	0.00	490.00	6.10	3.17	0.00
240.00	6.10	3.17	0.00	495.00	6.10	3.17	0.00
245.00	6.10	3.17	0.00	500.00	6.10	3.17	0.00
250.00	6.10	3.17	0.00				
255.00	6.10	3.17	0.00				

Summary for Subcatchment 8S: Culvert 4

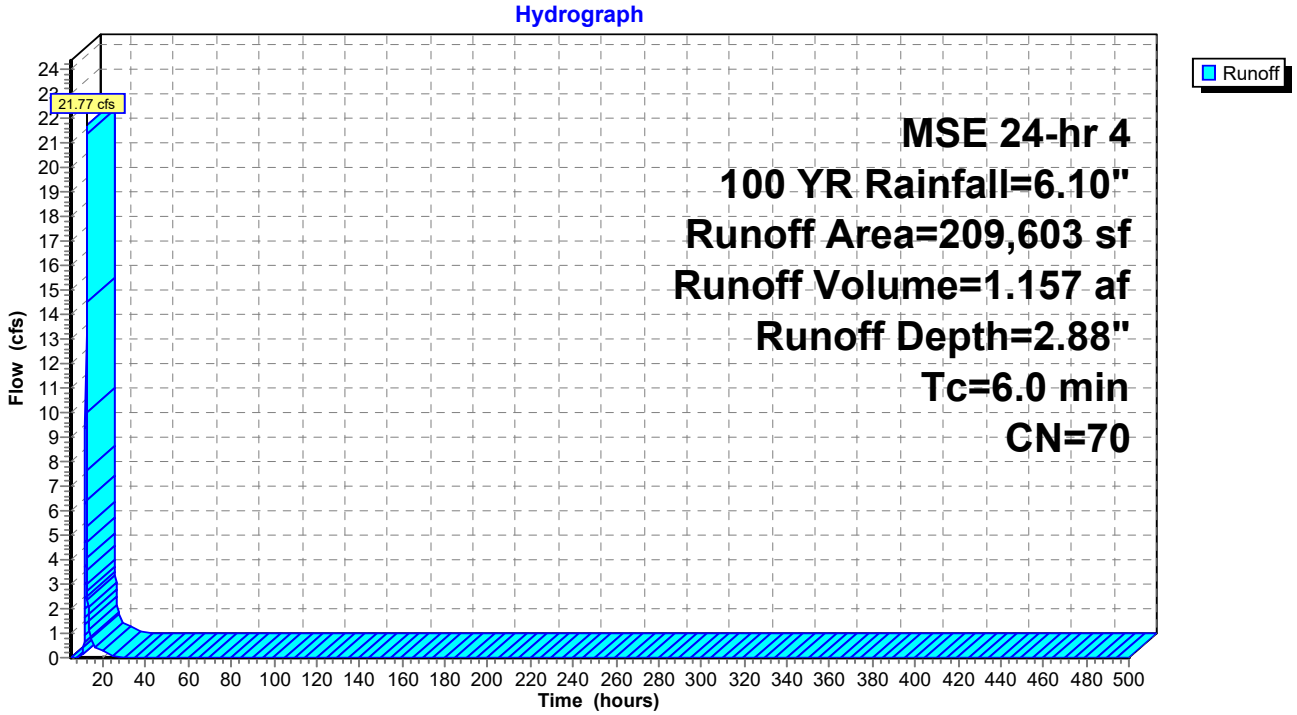
Runoff = 21.77 cfs @ 12.13 hrs, Volume= 1.157 af, Depth= 2.88"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (sf)	CN	Description
*	156,823	61	Post - B Soils
*	52,780	98	Impervious
	209,603	70	Weighted Average
	156,823		74.82% Pervious Area
	52,780		25.18% Impervious Area

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

Subcatchment 8S: Culvert 4



Hydrograph for Subcatchment 8S: Culvert 4

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	2.88	0.00
10.00	0.97	0.00	**0.05**	265.00	6.10	2.88	0.00
15.00	5.36	2.31	**0.80**	270.00	6.10	2.88	0.00
20.00	**5.90**	**2.73**	0.29	275.00	6.10	2.88	0.00
25.00	**6.10**	**2.88**	0.00	280.00	6.10	2.88	0.00
30.00	6.10	2.88	0.00	285.00	6.10	2.88	0.00
35.00	6.10	2.88	0.00	290.00	6.10	2.88	0.00
40.00	6.10	2.88	0.00	295.00	6.10	2.88	0.00
45.00	6.10	2.88	0.00	300.00	6.10	2.88	0.00
50.00	6.10	2.88	0.00	305.00	6.10	2.88	0.00
55.00	6.10	2.88	0.00	310.00	6.10	2.88	0.00
60.00	6.10	2.88	0.00	315.00	6.10	2.88	0.00
65.00	6.10	2.88	0.00	320.00	6.10	2.88	0.00
70.00	6.10	2.88	0.00	325.00	6.10	2.88	0.00
75.00	6.10	2.88	0.00	330.00	6.10	2.88	0.00
80.00	6.10	2.88	0.00	335.00	6.10	2.88	0.00
85.00	6.10	2.88	0.00	340.00	6.10	2.88	0.00
90.00	6.10	2.88	0.00	345.00	6.10	2.88	0.00
95.00	6.10	2.88	0.00	350.00	6.10	2.88	0.00
100.00	6.10	2.88	0.00	355.00	6.10	2.88	0.00
105.00	6.10	2.88	0.00	360.00	6.10	2.88	0.00
110.00	6.10	2.88	0.00	365.00	6.10	2.88	0.00
115.00	6.10	2.88	0.00	370.00	6.10	2.88	0.00
120.00	6.10	2.88	0.00	375.00	6.10	2.88	0.00
125.00	6.10	2.88	0.00	380.00	6.10	2.88	0.00
130.00	6.10	2.88	0.00	385.00	6.10	2.88	0.00
135.00	6.10	2.88	0.00	390.00	6.10	2.88	0.00
140.00	6.10	2.88	0.00	395.00	6.10	2.88	0.00
145.00	6.10	2.88	0.00	400.00	6.10	2.88	0.00
150.00	6.10	2.88	0.00	405.00	6.10	2.88	0.00
155.00	6.10	2.88	0.00	410.00	6.10	2.88	0.00
160.00	6.10	2.88	0.00	415.00	6.10	2.88	0.00
165.00	6.10	2.88	0.00	420.00	6.10	2.88	0.00
170.00	6.10	2.88	0.00	425.00	6.10	2.88	0.00
175.00	6.10	2.88	0.00	430.00	6.10	2.88	0.00
180.00	6.10	2.88	0.00	435.00	6.10	2.88	0.00
185.00	6.10	2.88	0.00	440.00	6.10	2.88	0.00
190.00	6.10	2.88	0.00	445.00	6.10	2.88	0.00
195.00	6.10	2.88	0.00	450.00	6.10	2.88	0.00
200.00	6.10	2.88	0.00	455.00	6.10	2.88	0.00
205.00	6.10	2.88	0.00	460.00	6.10	2.88	0.00
210.00	6.10	2.88	0.00	465.00	6.10	2.88	0.00
215.00	6.10	2.88	0.00	470.00	6.10	2.88	0.00
220.00	6.10	2.88	0.00	475.00	6.10	2.88	0.00
225.00	6.10	2.88	0.00	480.00	6.10	2.88	0.00
230.00	6.10	2.88	0.00	485.00	6.10	2.88	0.00
235.00	6.10	2.88	0.00	490.00	6.10	2.88	0.00
240.00	6.10	2.88	0.00	495.00	6.10	2.88	0.00
245.00	6.10	2.88	0.00	500.00	6.10	2.88	0.00
250.00	6.10	2.88	0.00				
255.00	6.10	2.88	0.00				

Summary for Subcatchment 9S: Culvert 5

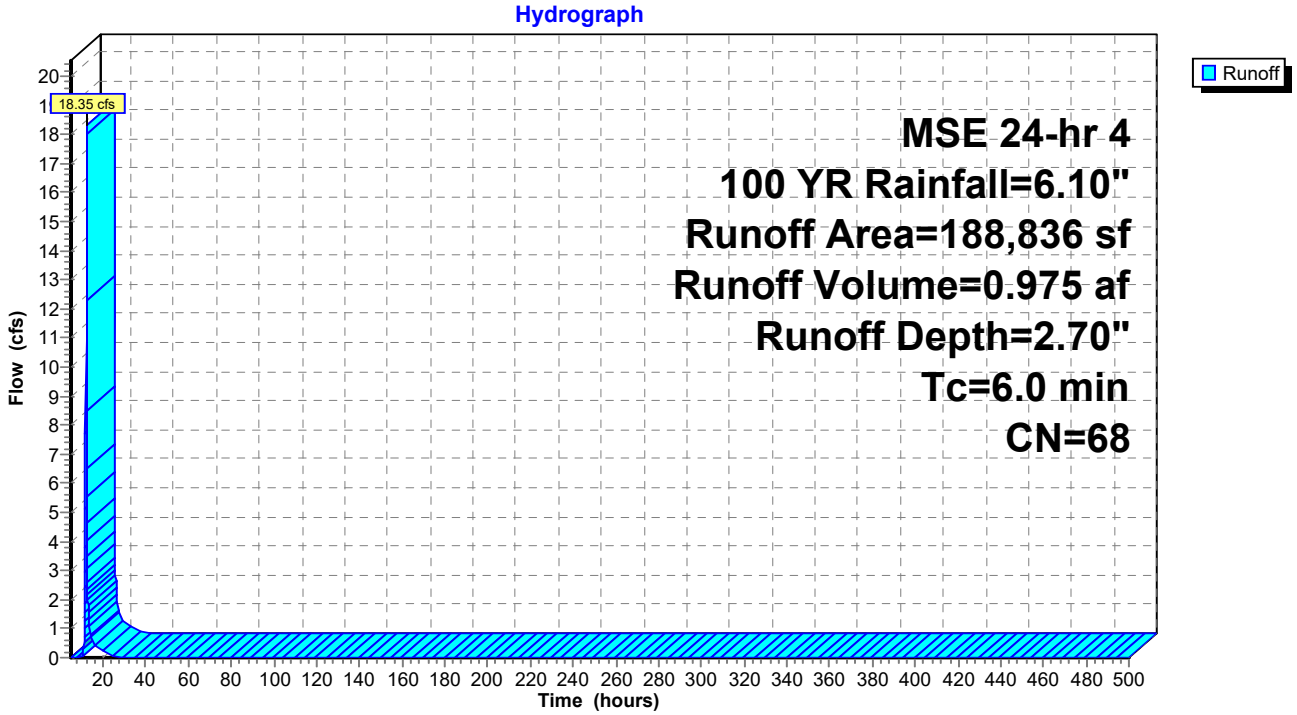
Runoff = 18.35 cfs @ 12.14 hrs, Volume= 0.975 af, Depth= 2.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100 YR Rainfall=6.10"

	Area (sf)	CN	Description
*	151,149	61	Post - B Soils
*	37,687	98	Impervious
	188,836	68	Weighted Average
	151,149		80.04% Pervious Area
	37,687		19.96% Impervious Area

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

Subcatchment 9S: Culvert 5



Hydrograph for Subcatchment 9S: Culvert 5

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.28	0.00	0.00	260.00	6.10	2.70	0.00
10.00	0.97	0.00	**0.00**	265.00	6.10	2.70	0.00
15.00	5.36	2.14	**0.69**	270.00	6.10	2.70	0.00
20.00	**5.90**	**2.55**	0.26	275.00	6.10	2.70	0.00
25.00	**6.10**	**2.70**	0.00	280.00	6.10	2.70	0.00
30.00	6.10	2.70	0.00	285.00	6.10	2.70	0.00
35.00	6.10	2.70	0.00	290.00	6.10	2.70	0.00
40.00	6.10	2.70	0.00	295.00	6.10	2.70	0.00
45.00	6.10	2.70	0.00	300.00	6.10	2.70	0.00
50.00	6.10	2.70	0.00	305.00	6.10	2.70	0.00
55.00	6.10	2.70	0.00	310.00	6.10	2.70	0.00
60.00	6.10	2.70	0.00	315.00	6.10	2.70	0.00
65.00	6.10	2.70	0.00	320.00	6.10	2.70	0.00
70.00	6.10	2.70	0.00	325.00	6.10	2.70	0.00
75.00	6.10	2.70	0.00	330.00	6.10	2.70	0.00
80.00	6.10	2.70	0.00	335.00	6.10	2.70	0.00
85.00	6.10	2.70	0.00	340.00	6.10	2.70	0.00
90.00	6.10	2.70	0.00	345.00	6.10	2.70	0.00
95.00	6.10	2.70	0.00	350.00	6.10	2.70	0.00
100.00	6.10	2.70	0.00	355.00	6.10	2.70	0.00
105.00	6.10	2.70	0.00	360.00	6.10	2.70	0.00
110.00	6.10	2.70	0.00	365.00	6.10	2.70	0.00
115.00	6.10	2.70	0.00	370.00	6.10	2.70	0.00
120.00	6.10	2.70	0.00	375.00	6.10	2.70	0.00
125.00	6.10	2.70	0.00	380.00	6.10	2.70	0.00
130.00	6.10	2.70	0.00	385.00	6.10	2.70	0.00
135.00	6.10	2.70	0.00	390.00	6.10	2.70	0.00
140.00	6.10	2.70	0.00	395.00	6.10	2.70	0.00
145.00	6.10	2.70	0.00	400.00	6.10	2.70	0.00
150.00	6.10	2.70	0.00	405.00	6.10	2.70	0.00
155.00	6.10	2.70	0.00	410.00	6.10	2.70	0.00
160.00	6.10	2.70	0.00	415.00	6.10	2.70	0.00
165.00	6.10	2.70	0.00	420.00	6.10	2.70	0.00
170.00	6.10	2.70	0.00	425.00	6.10	2.70	0.00
175.00	6.10	2.70	0.00	430.00	6.10	2.70	0.00
180.00	6.10	2.70	0.00	435.00	6.10	2.70	0.00
185.00	6.10	2.70	0.00	440.00	6.10	2.70	0.00
190.00	6.10	2.70	0.00	445.00	6.10	2.70	0.00
195.00	6.10	2.70	0.00	450.00	6.10	2.70	0.00
200.00	6.10	2.70	0.00	455.00	6.10	2.70	0.00
205.00	6.10	2.70	0.00	460.00	6.10	2.70	0.00
210.00	6.10	2.70	0.00	465.00	6.10	2.70	0.00
215.00	6.10	2.70	0.00	470.00	6.10	2.70	0.00
220.00	6.10	2.70	0.00	475.00	6.10	2.70	0.00
225.00	6.10	2.70	0.00	480.00	6.10	2.70	0.00
230.00	6.10	2.70	0.00	485.00	6.10	2.70	0.00
235.00	6.10	2.70	0.00	490.00	6.10	2.70	0.00
240.00	6.10	2.70	0.00	495.00	6.10	2.70	0.00
245.00	6.10	2.70	0.00	500.00	6.10	2.70	0.00
250.00	6.10	2.70	0.00				
255.00	6.10	2.70	0.00				

Summary for Pond P1A: Pond 1A

Inflow Area = 6.030 ac, 19.24% Impervious, Inflow Depth = 2.70" for 100 YR event
Inflow = 25.52 cfs @ 12.14 hrs, Volume= 1.356 af
Outflow = 6.62 cfs @ 12.40 hrs, Volume= 1.356 af, Atten= 74%, Lag= 15.7 min
Primary = 5.93 cfs @ 12.40 hrs, Volume= 0.818 af
Routed to Link 3L : Post - South
Secondary = 0.69 cfs @ 12.40 hrs, Volume= 0.537 af
Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,242.96' @ 12.40 hrs Surf.Area= 8,223 sf Storage= 21,220 cf

Plug-Flow detention time= 101.4 min calculated for 1.356 af (100% of inflow)
Center-of-Mass det. time= 101.4 min (927.7 - 826.3)

Volume	Invert	Avail.Storage	Storage Description
#1	1,239.00'	30,563 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

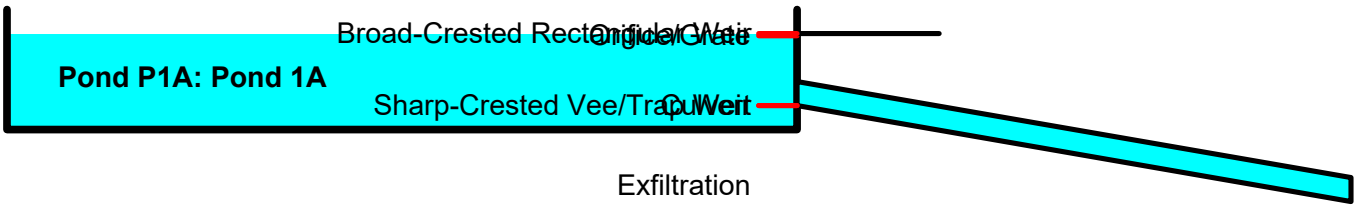
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,239.00	2,496	0	0
1,244.00	9,729	30,563	30,563

Device	Routing	Invert	Outlet Devices
#1	Primary	1,240.00'	**12.0" Round Culvert** L= 39.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,240.00' / 1,236.00' S= 0.1026 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,240.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,242.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,239.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,243.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

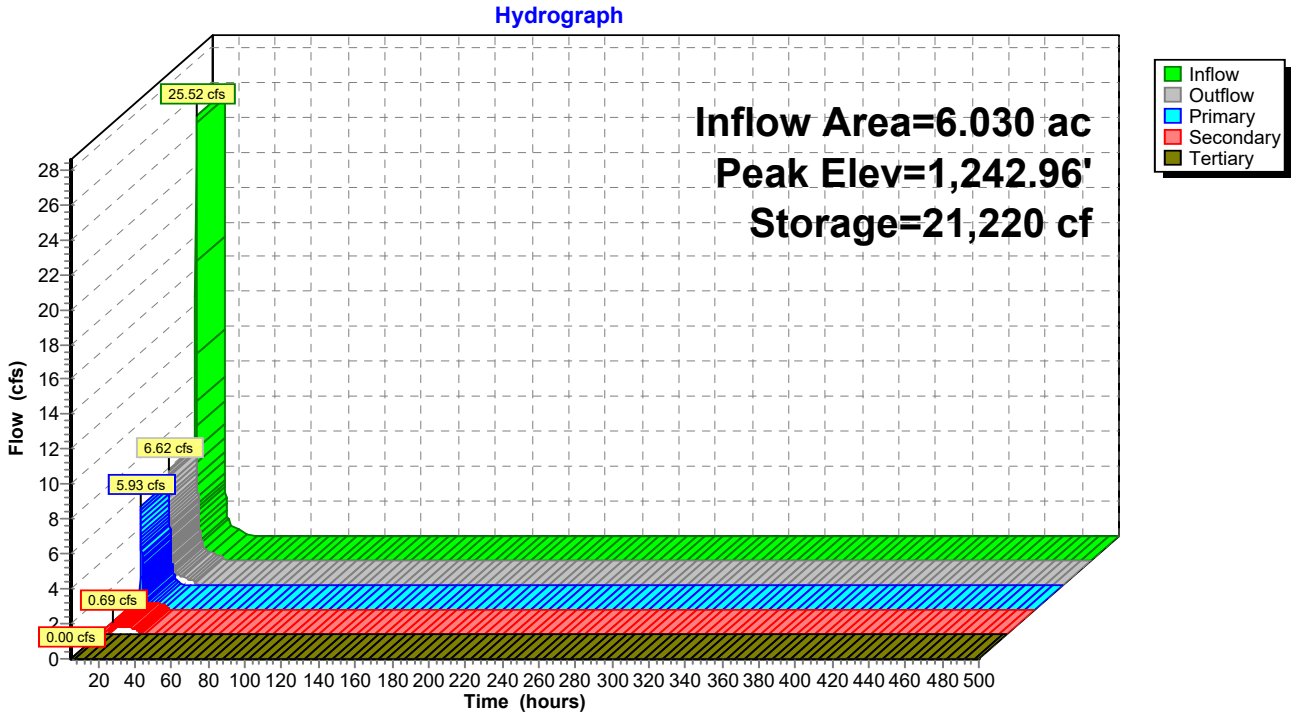
Primary OutFlow Max=5.93 cfs @ 12.40 hrs HW=1,242.96' (Free Discharge)
└**1=Culvert** (Inlet Controls 5.93 cfs @ 7.55 fps)
├**2=Sharp-Crested Vee/Trap Weir** (Passes < 7.14 cfs potential flow)
└**3=Orifice/Grate** (Passes < 0.46 cfs potential flow)

Secondary OutFlow Max=0.69 cfs @ 12.40 hrs HW=1,242.96' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.69 cfs)

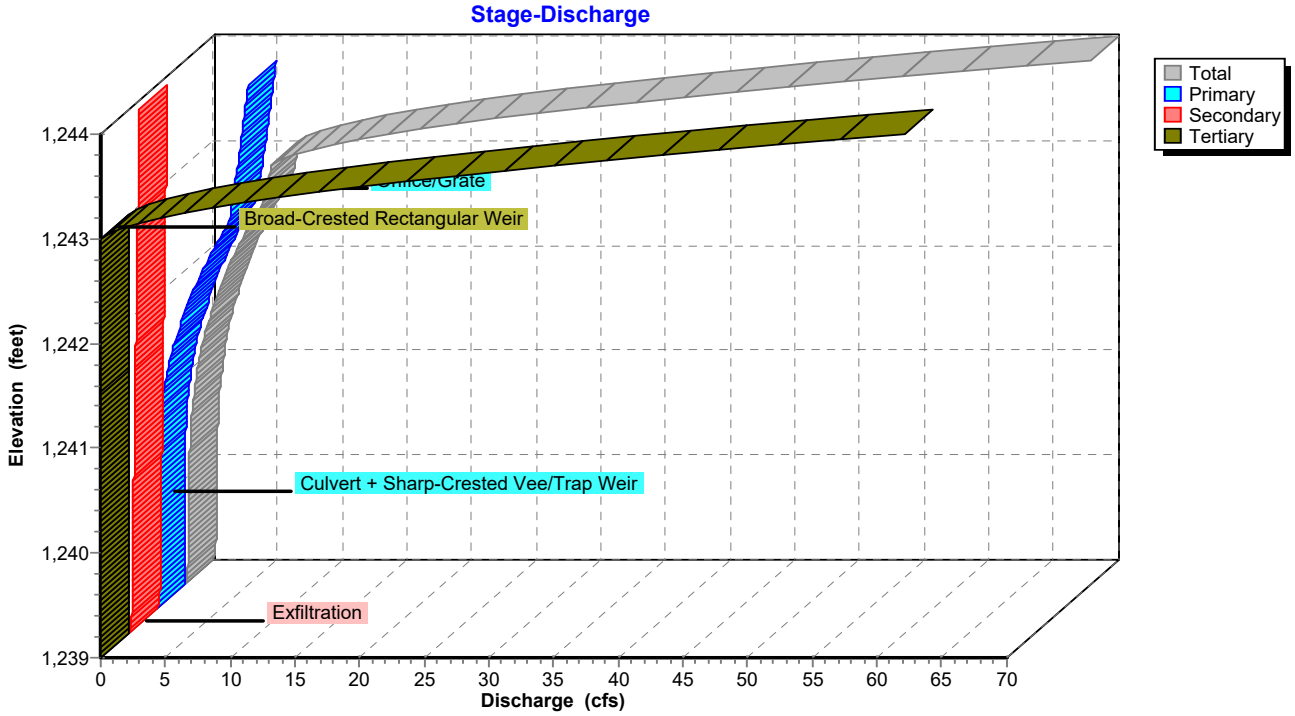
Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,239.00' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



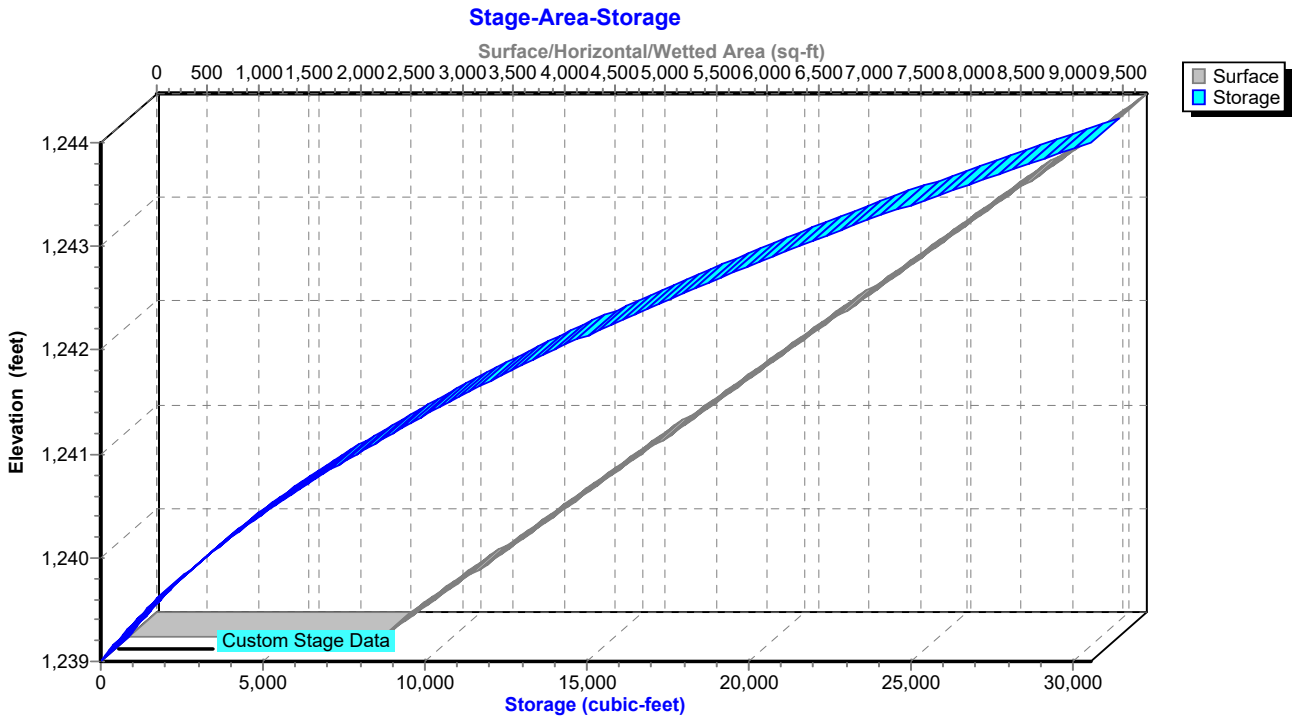
Pond P1A: Pond 1A



Pond P1A: Pond 1A



Pond P1A: Pond 1A



Hydrograph for Pond P1A: Pond 1A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,239.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.96**	**9,234**	**1,241.24**	**1.29**	**0.82**	**0.48**	0.00
25.00	0.00	2,098	1,239.70	0.29	0.00	0.29	0.00
35.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,239.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P1A: Pond 1A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,239.00	0.00	0.00	0.00	0.00
1,239.10	0.22	0.00	0.22	0.00
1,239.20	0.23	0.00	0.23	0.00
1,239.30	0.24	0.00	0.24	0.00
1,239.40	0.26	0.00	0.26	0.00
1,239.50	0.27	0.00	0.27	0.00
1,239.60	0.28	0.00	0.28	0.00
1,239.70	0.29	0.00	0.29	0.00
1,239.80	0.30	0.00	0.30	0.00
1,239.90	0.32	0.00	0.32	0.00
1,240.00	0.33	0.00	0.33	0.00
1,240.10	0.34	0.00	0.34	0.00
1,240.20	0.36	0.01	0.35	0.00
1,240.30	0.39	0.02	0.36	0.00
1,240.40	0.42	0.05	0.38	0.00
1,240.50	0.47	0.08	0.39	0.00
1,240.60	0.53	0.13	0.40	0.00
1,240.70	0.61	0.19	0.41	0.00
1,240.80	0.70	0.27	0.42	0.00
1,240.90	0.80	0.36	0.44	0.00
1,241.00	0.92	0.47	0.45	0.00
1,241.10	1.06	0.60	0.46	0.00
1,241.20	1.22	0.75	0.47	0.00
1,241.30	1.40	0.91	0.49	0.00
1,241.40	1.60	1.10	0.50	0.00
1,241.50	1.82	1.31	0.51	0.00
1,241.60	2.06	1.54	0.52	0.00
1,241.70	2.32	1.79	0.53	0.00
1,241.80	2.61	2.06	0.55	0.00
1,241.90	2.92	2.36	0.56	0.00
1,242.00	3.25	2.68	0.57	0.00
1,242.10	3.61	3.03	0.58	0.00
1,242.20	4.00	3.41	0.59	0.00
1,242.30	4.41	3.81	0.61	0.00
1,242.40	4.85	4.23	0.62	0.00
1,242.50	5.32	4.69	0.63	0.00
1,242.60	5.81	5.17	0.64	0.00
1,242.70	6.26	5.61	0.65	0.00
1,242.80	6.40	5.74	0.67	0.00
1,242.90	6.54	5.86	0.68	0.00
1,243.00	6.67	5.98	0.69	0.00
1,243.10	8.40	6.10	0.70	1.60
1,243.20	11.53	6.21	0.71	4.60
1,243.30	15.75	6.33	0.73	8.70
1,243.40	20.96	6.44	0.74	13.78
1,243.50	27.39	6.55	0.75	20.08
1,243.60	34.93	6.66	0.76	27.51
1,243.70	42.64	6.76	0.77	35.10
1,243.80	51.08	6.87	0.79	43.42
1,243.90	60.22	6.97	0.80	52.45
1,244.00	**70.06**	**7.07**	**0.81**	**62.18**

Stage-Area-Storage for Pond P1A: Pond 1A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,239.00	2,496	0	1,241.55	6,185	11,068
1,239.05	2,568	127	1,241.60	6,257	11,379
1,239.10	2,641	257	1,241.65	6,329	11,694
1,239.15	2,713	391	1,241.70	6,402	12,012
1,239.20	2,785	528	1,241.75	6,474	12,334
1,239.25	2,858	669	1,241.80	6,546	12,659
1,239.30	2,930	814	1,241.85	6,619	12,989
1,239.35	3,002	962	1,241.90	6,691	13,321
1,239.40	3,075	1,114	1,241.95	6,763	13,658
1,239.45	3,147	1,270	1,242.00	6,836	13,998
1,239.50	3,219	1,429	1,242.05	6,908	14,341
1,239.55	3,292	1,592	1,242.10	6,980	14,689
1,239.60	3,364	1,758	1,242.15	7,053	15,039
1,239.65	3,436	1,928	1,242.20	7,125	15,394
1,239.70	3,509	2,102	1,242.25	7,197	15,752
1,239.75	3,581	2,279	1,242.30	7,270	16,114
1,239.80	3,653	2,460	1,242.35	7,342	16,479
1,239.85	3,726	2,644	1,242.40	7,414	16,848
1,239.90	3,798	2,832	1,242.45	7,487	17,220
1,239.95	3,870	3,024	1,242.50	7,559	17,596
1,240.00	3,943	3,219	1,242.55	7,631	17,976
1,240.05	4,015	3,418	1,242.60	7,704	18,360
1,240.10	4,087	3,621	1,242.65	7,776	18,747
1,240.15	4,160	3,827	1,242.70	7,848	19,137
1,240.20	4,232	4,037	1,242.75	7,921	19,531
1,240.25	4,304	4,250	1,242.80	7,993	19,929
1,240.30	4,377	4,467	1,242.85	8,065	20,331
1,240.35	4,449	4,688	1,242.90	8,138	20,736
1,240.40	4,521	4,912	1,242.95	8,210	21,144
1,240.45	4,594	5,140	1,243.00	8,282	21,557
1,240.50	4,666	5,371	1,243.05	8,355	21,973
1,240.55	4,738	5,607	1,243.10	8,427	22,392
1,240.60	4,811	5,845	1,243.15	8,499	22,815
1,240.65	4,883	6,088	1,243.20	8,572	23,242
1,240.70	4,955	6,334	1,243.25	8,644	23,673
1,240.75	5,028	6,583	1,243.30	8,716	24,107
1,240.80	5,100	6,836	1,243.35	8,789	24,544
1,240.85	5,172	7,093	1,243.40	8,861	24,985
1,240.90	5,245	7,354	1,243.45	8,933	25,430
1,240.95	5,317	7,618	1,243.50	9,006	25,879
1,241.00	5,389	7,885	1,243.55	9,078	26,331
1,241.05	5,462	8,156	1,243.60	9,150	26,787
1,241.10	5,534	8,431	1,243.65	9,223	27,246
1,241.15	5,606	8,710	1,243.70	9,295	27,709
1,241.20	5,679	8,992	1,243.75	9,367	28,175
1,241.25	5,751	9,278	1,243.80	9,440	28,646
1,241.30	5,823	9,567	1,243.85	9,512	29,119
1,241.35	5,896	9,860	1,243.90	9,584	29,597
1,241.40	5,968	10,157	1,243.95	9,657	30,078
1,241.45	6,040	10,457	1,244.00	**9,729**	**30,563**
1,241.50	6,113	10,761			

Summary for Pond P3A: Pond 3A

Inflow Area = 10.600 ac, 18.58% Impervious, Inflow Depth = 2.88" for 100 YR event
Inflow = 47.96 cfs @ 12.13 hrs, Volume= 2.548 af
Outflow = 13.73 cfs @ 12.37 hrs, Volume= 2.548 af, Atten= 71%, Lag= 14.0 min
Primary = 7.30 cfs @ 12.37 hrs, Volume= 1.598 af
Routed to Link 4L : Post - North
Secondary = 1.00 cfs @ 12.37 hrs, Volume= 0.844 af
Tertiary = 5.43 cfs @ 12.37 hrs, Volume= 0.106 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,197.22' @ 12.37 hrs Surf.Area= 11,957 sf Storage= 42,103 cf

Plug-Flow detention time= 106.9 min calculated for 2.548 af (100% of inflow)
Center-of-Mass det. time= 106.9 min (929.3 - 822.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1,192.00'	51,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

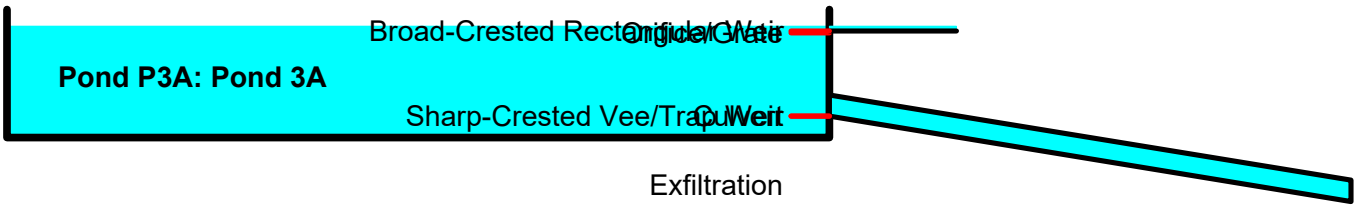
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,192.00	4,165	0	0
1,198.00	13,117	51,846	51,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,193.00'	**12.0" Round Culvert** L= 41.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,193.00' / 1,189.00' S= 0.0976 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,193.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,196.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,192.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,197.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

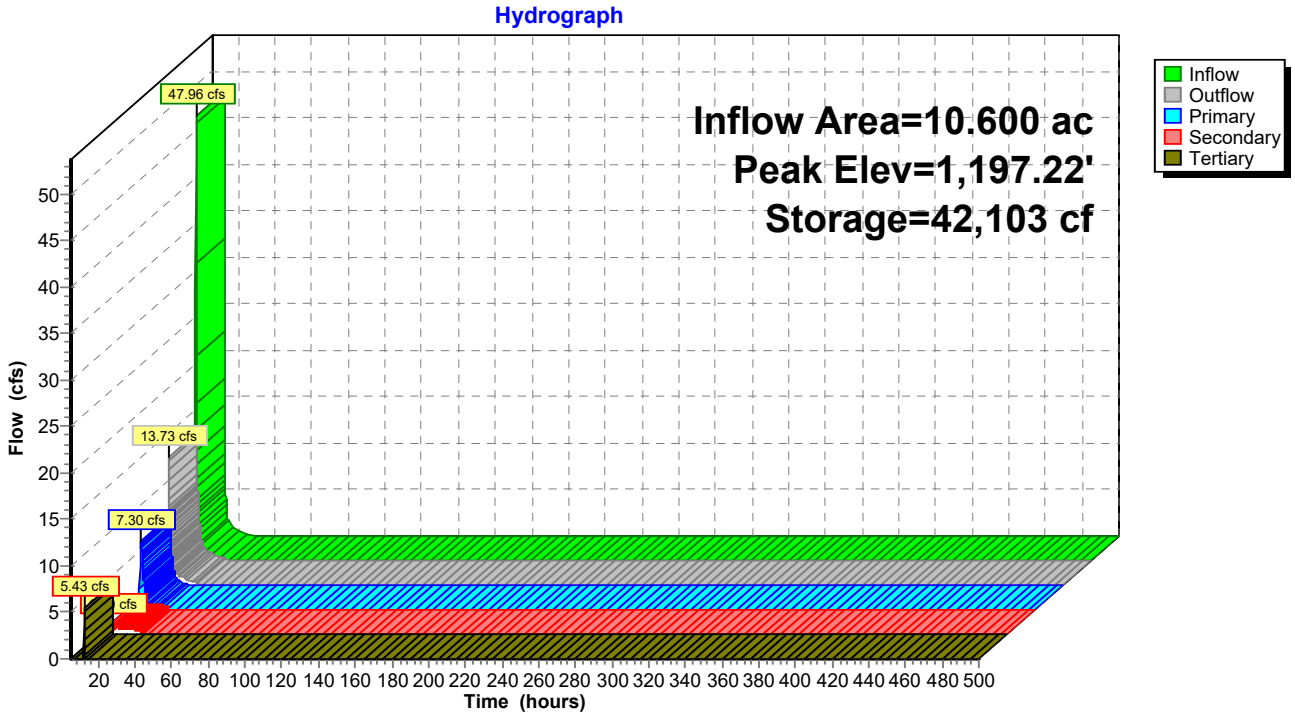
Primary OutFlow Max=7.29 cfs @ 12.37 hrs HW=1,197.22' (Free Discharge)
└**1=Culvert** (Inlet Controls 7.29 cfs @ 9.28 fps)
├**2=Sharp-Crested Vee/Trap Weir** (Passes < 17.33 cfs potential flow)
└**3=Orifice/Grate** (Passes < 5.85 cfs potential flow)

Secondary OutFlow Max=1.00 cfs @ 12.37 hrs HW=1,197.22' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 1.00 cfs)

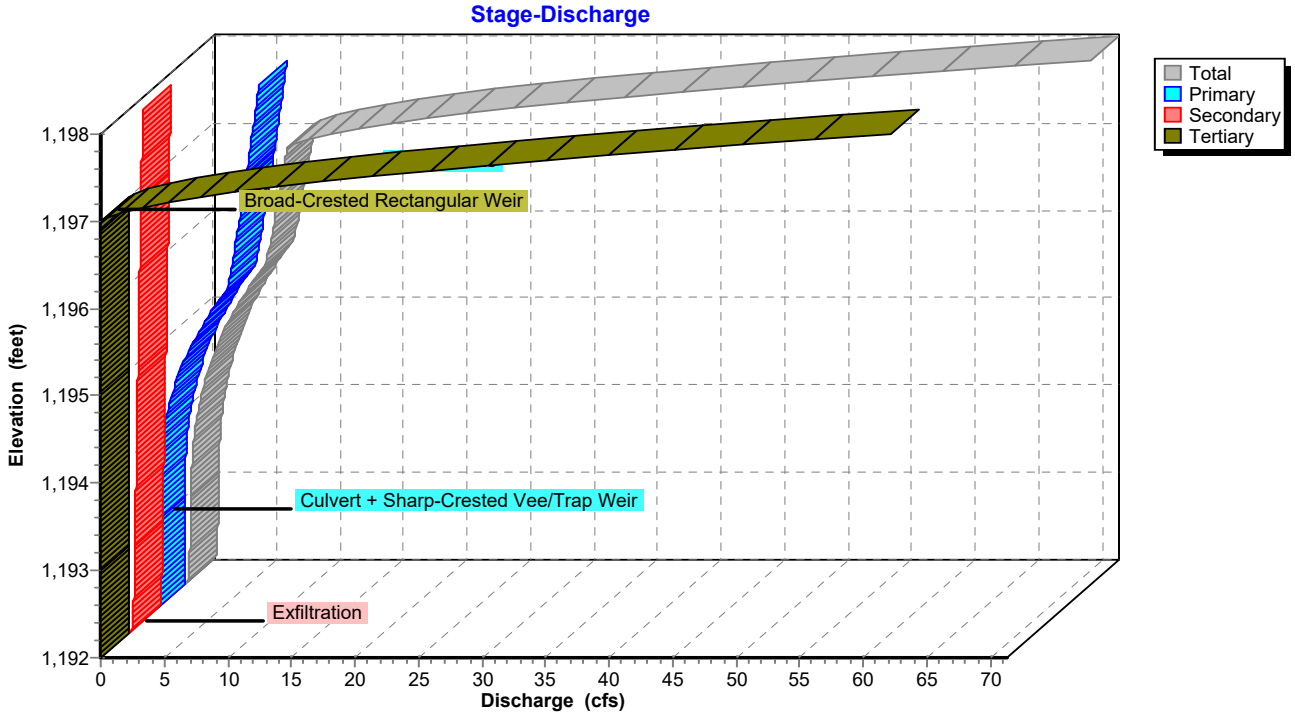
Tertiary OutFlow Max=5.24 cfs @ 12.37 hrs HW=1,197.22' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Weir Controls 5.24 cfs @ 1.15 fps)



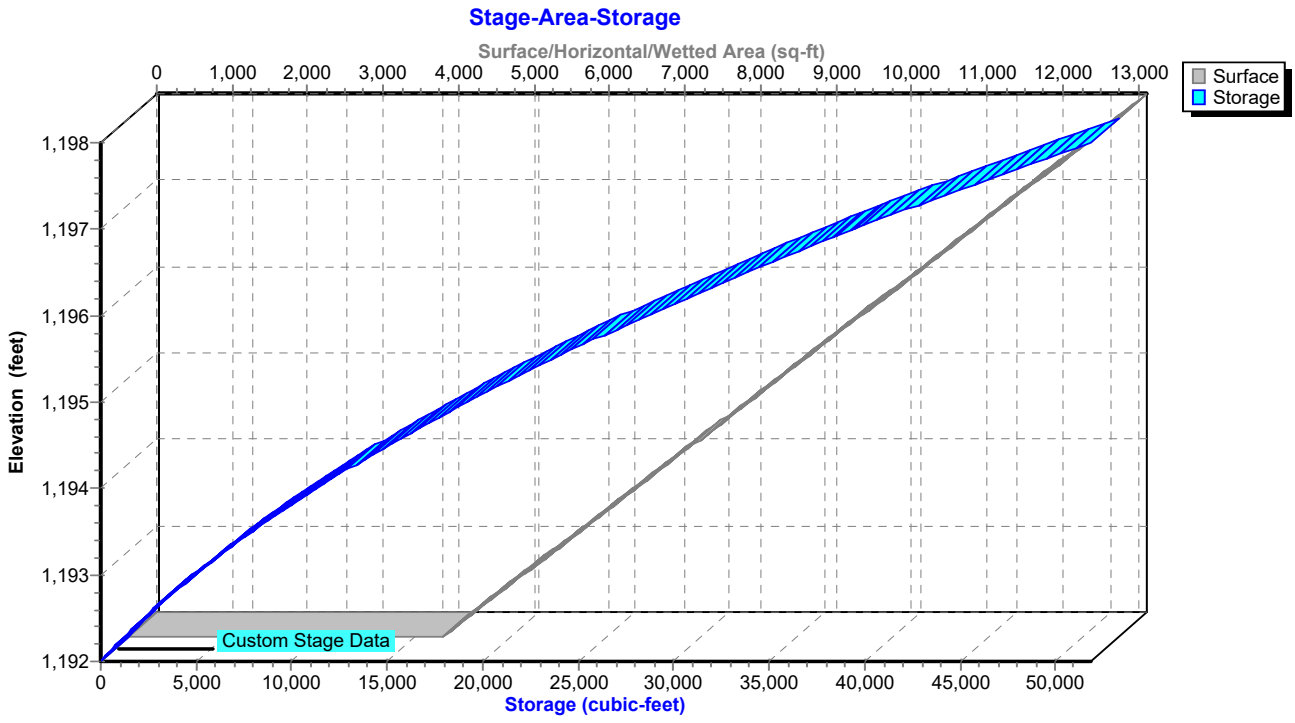
Pond P3A: Pond 3A



Pond P3A: Pond 3A



Pond P3A: Pond 3A



Hydrograph for Pond P3A: Pond 3A

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,192.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**1.76**	**17,009**	**1,194.74**	**2.58**	**1.89**	**0.69**	**0.00**
25.00	0.00	4,780	1,192.98	0.47	0.00	0.47	0.00
35.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,192.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3A: Pond 3A

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,192.00	0.00	0.00	0.00	0.00
1,192.20	0.37	0.00	0.37	0.00
1,192.40	0.40	0.00	0.40	0.00
1,192.60	0.42	0.00	0.42	0.00
1,192.80	0.45	0.00	0.45	0.00
1,193.00	0.47	0.00	0.47	0.00
1,193.20	0.50	0.01	0.50	0.00
1,193.40	0.57	0.05	0.52	0.00
1,193.60	0.68	0.13	0.55	0.00
1,193.80	0.84	0.27	0.57	0.00
1,194.00	1.07	0.47	0.60	0.00
1,194.20	1.37	0.75	0.62	0.00
1,194.40	1.75	1.10	0.65	0.00
1,194.60	2.21	1.54	0.67	0.00
1,194.80	2.76	2.06	0.70	0.00
1,195.00	3.40	2.68	0.72	0.00
1,195.20	4.15	3.41	0.74	0.00
1,195.40	5.00	4.23	0.77	0.00
1,195.60	5.96	5.17	0.79	0.00
1,195.80	6.55	5.74	0.82	0.00
1,196.00	6.82	5.98	0.84	0.00
1,196.20	7.08	6.21	0.87	0.00
1,196.40	7.33	6.44	0.89	0.00
1,196.60	7.58	6.66	0.92	0.00
1,196.80	7.81	6.87	0.94	0.00
1,197.00	8.04	7.07	0.97	0.00
1,197.20	12.86	7.27	0.99	4.60
1,197.40	22.27	7.47	1.02	13.78
1,197.60	36.21	7.66	1.04	27.51
1,197.80	52.33	7.84	1.07	43.42
1,198.00	**71.29**	**8.02**	**1.09**	**62.18**

Stage-Area-Storage for Pond P3A: Pond 3A

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,192.00	4,165	0
1,192.10	4,314	424
1,192.20	4,463	863
1,192.30	4,613	1,317
1,192.40	4,762	1,785
1,192.50	4,911	2,269
1,192.60	5,060	2,768
1,192.70	5,209	3,281
1,192.80	5,359	3,809
1,192.90	5,508	4,353
1,193.00	5,657	4,911
1,193.10	5,806	5,484
1,193.20	5,955	6,072
1,193.30	6,105	6,675
1,193.40	6,254	7,293
1,193.50	6,403	7,926
1,193.60	6,552	8,574
1,193.70	6,701	9,236
1,193.80	6,851	9,914
1,193.90	7,000	10,607
1,194.00	7,149	11,314
1,194.10	7,298	12,036
1,194.20	7,447	12,774
1,194.30	7,597	13,526
1,194.40	7,746	14,293
1,194.50	7,895	15,075
1,194.60	8,044	15,872
1,194.70	8,193	16,684
1,194.80	8,343	17,511
1,194.90	8,492	18,352
1,195.00	8,641	19,209
1,195.10	8,790	20,081
1,195.20	8,939	20,967
1,195.30	9,089	21,868
1,195.40	9,238	22,785
1,195.50	9,387	23,716
1,195.60	9,536	24,662
1,195.70	9,685	25,623
1,195.80	9,835	26,599
1,195.90	9,984	27,590
1,196.00	10,133	28,596
1,196.10	10,282	29,617
1,196.20	10,431	30,652
1,196.30	10,581	31,703
1,196.40	10,730	32,769
1,196.50	10,879	33,849
1,196.60	11,028	34,944
1,196.70	11,177	36,055
1,196.80	11,327	37,180
1,196.90	11,476	38,320
1,197.00	11,625	39,475
1,197.10	11,774	40,645
1,197.20	11,923	41,830
1,197.30	12,073	43,030
1,197.40	12,222	44,244
1,197.50	12,371	45,474
1,197.60	12,520	46,719
1,197.70	12,669	47,978
1,197.80	12,819	49,252
1,197.90	12,968	50,542
1,198.00	**13,117**	**51,846**

Summary for Pond P3B: Pond 3B

Inflow Area = 8.450 ac, 19.88% Impervious, Inflow Depth = 2.98" for 100 YR event
Inflow = 39.47 cfs @ 12.13 hrs, Volume= 2.098 af
Outflow = 24.52 cfs @ 12.22 hrs, Volume= 2.098 af, Atten= 38%, Lag= 5.3 min
Primary = 6.51 cfs @ 12.22 hrs, Volume= 1.159 af
Routed to Link 4L : Post - North
Secondary = 0.83 cfs @ 12.22 hrs, Volume= 0.668 af
Tertiary = 17.18 cfs @ 12.22 hrs, Volume= 0.271 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,199.47' @ 12.22 hrs Surf.Area= 9,935 sf Storage= 28,439 cf

Plug-Flow detention time= 88.3 min calculated for 2.098 af (100% of inflow)
Center-of-Mass det. time= 88.3 min (908.7 - 820.5)

Volume	Invert	Avail.Storage	Storage Description
#1	1,195.00'	33,965 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

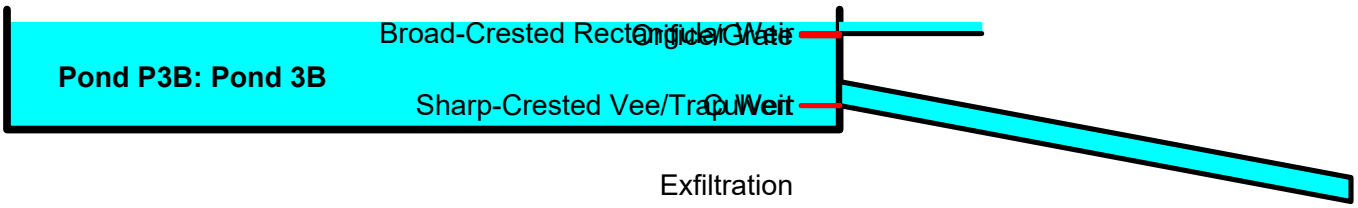
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,195.00	2,799	0	0
1,200.00	10,787	33,965	33,965

Device	Routing	Invert	Outlet Devices
#1	Primary	1,196.00'	**12.0" Round Culvert** L= 36.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,196.00' / 1,192.00' S= 0.1111 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,196.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,198.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,195.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,199.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

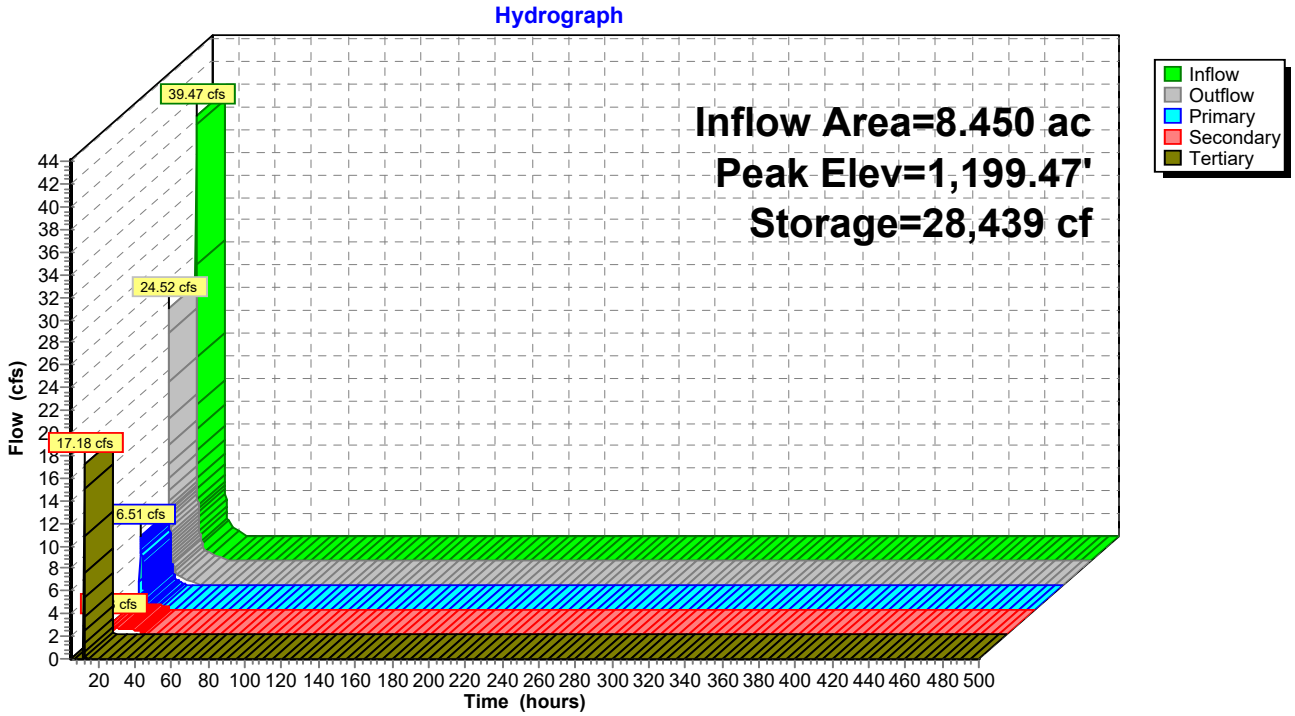
Primary OutFlow Max=6.47 cfs @ 12.22 hrs HW=1,199.43' (Free Discharge)
└**1=Culvert** (Inlet Controls 6.47 cfs @ 8.24 fps)
├**2=Sharp-Crested Vee/Trap Weir** (Passes < 10.32 cfs potential flow)
└**3=Orifice/Grate** (Passes < 12.53 cfs potential flow)

Secondary OutFlow Max=0.82 cfs @ 12.22 hrs HW=1,199.43' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.82 cfs)

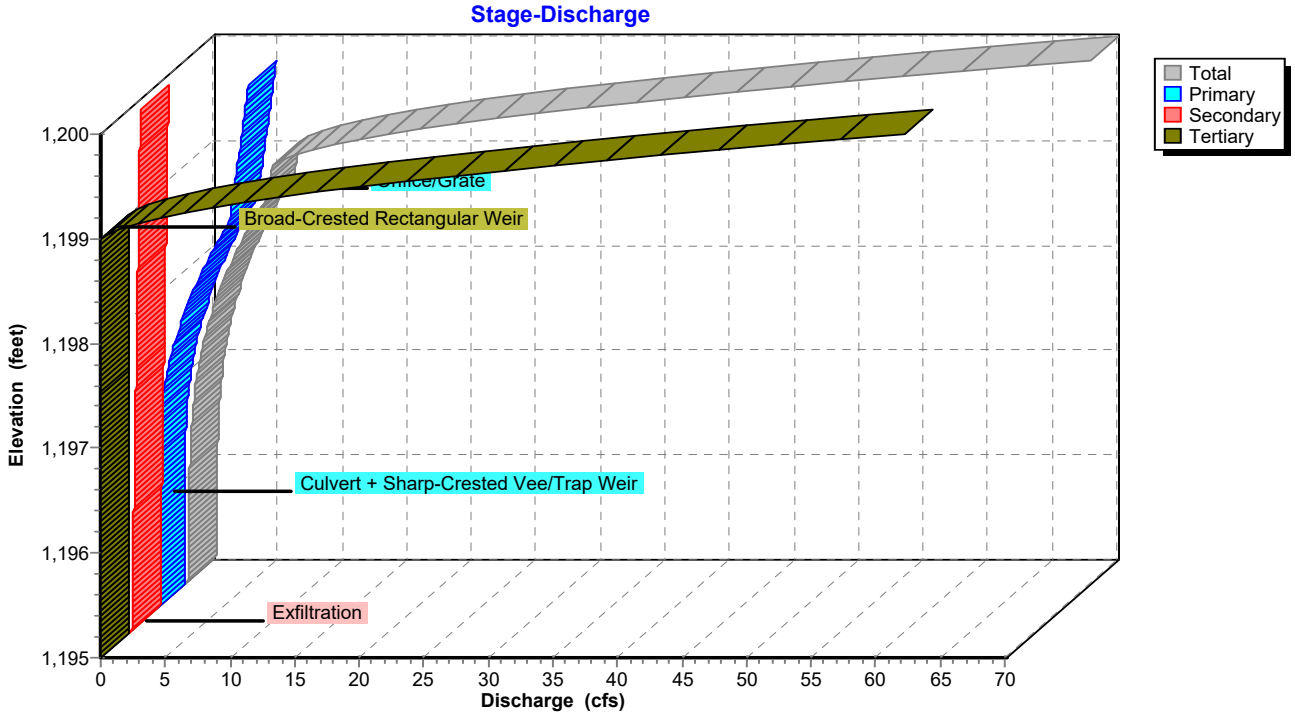
Tertiary OutFlow Max=15.41 cfs @ 12.22 hrs HW=1,199.43' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Weir Controls 15.41 cfs @ 1.66 fps)



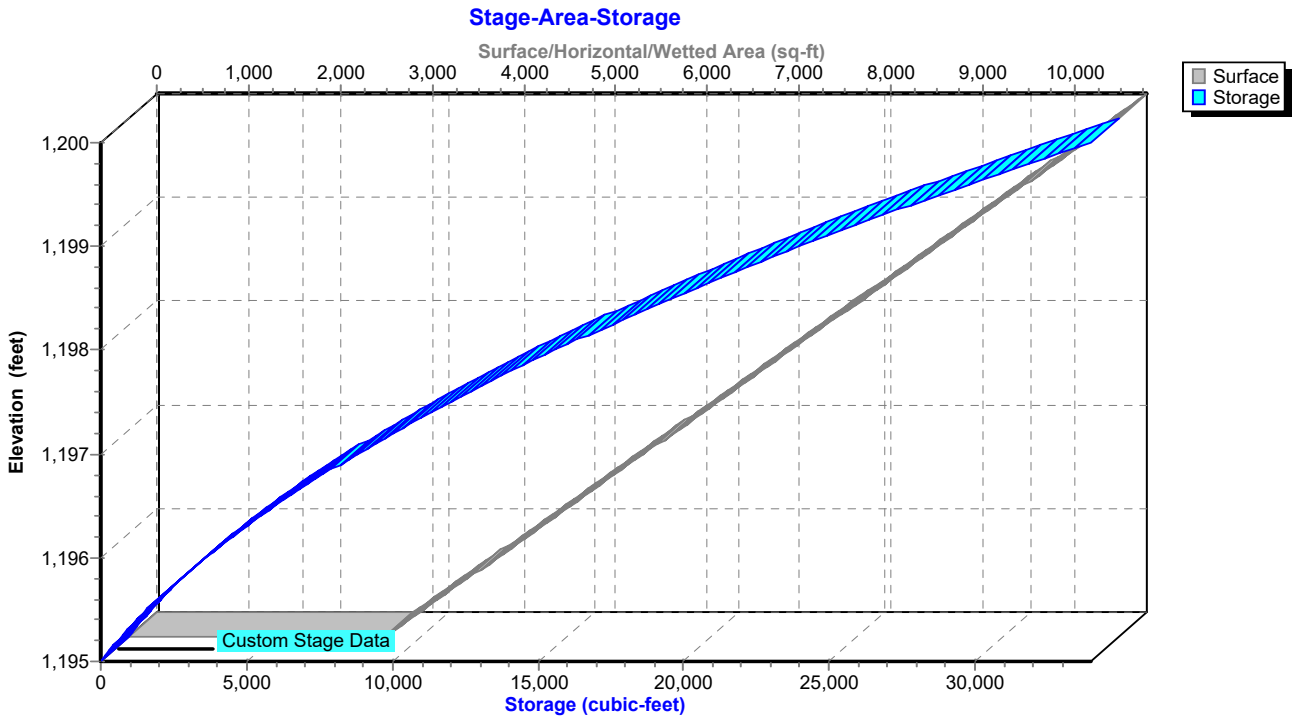
Pond P3B: Pond 3B



Pond P3B: Pond 3B



Pond P3B: Pond 3B



Hydrograph for Pond P3B: Pond 3B

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,195.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**1.43**	**11,895**	**1,197.49**	**1.84**	**1.28**	**0.56**	**0.00**
25.00	0.00	3,283	1,195.93	0.36	0.00	0.36	0.00
35.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,195.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3B: Pond 3B

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,195.00	0.00	0.00	0.00	0.00
1,195.10	0.25	0.00	0.25	0.00
1,195.20	0.26	0.00	0.26	0.00
1,195.30	0.27	0.00	0.27	0.00
1,195.40	0.29	0.00	0.29	0.00
1,195.50	0.30	0.00	0.30	0.00
1,195.60	0.31	0.00	0.31	0.00
1,195.70	0.33	0.00	0.33	0.00
1,195.80	0.34	0.00	0.34	0.00
1,195.90	0.35	0.00	0.35	0.00
1,196.00	0.37	0.00	0.37	0.00
1,196.10	0.38	0.00	0.38	0.00
1,196.20	0.40	0.01	0.39	0.00
1,196.30	0.43	0.02	0.41	0.00
1,196.40	0.47	0.05	0.42	0.00
1,196.50	0.52	0.08	0.43	0.00
1,196.60	0.58	0.13	0.45	0.00
1,196.70	0.65	0.19	0.46	0.00
1,196.80	0.74	0.27	0.47	0.00
1,196.90	0.85	0.36	0.49	0.00
1,197.00	0.97	0.47	0.50	0.00
1,197.10	1.11	0.60	0.51	0.00
1,197.20	1.27	0.75	0.53	0.00
1,197.30	1.45	0.91	0.54	0.00
1,197.40	1.65	1.10	0.55	0.00
1,197.50	1.87	1.31	0.57	0.00
1,197.60	2.12	1.54	0.58	0.00
1,197.70	2.38	1.79	0.59	0.00
1,197.80	2.67	2.06	0.61	0.00
1,197.90	2.98	2.36	0.62	0.00
1,198.00	3.32	2.68	0.63	0.00
1,198.10	3.68	3.03	0.65	0.00
1,198.20	4.06	3.41	0.66	0.00
1,198.30	4.48	3.81	0.67	0.00
1,198.40	4.92	4.23	0.69	0.00
1,198.50	5.39	4.69	0.70	0.00
1,198.60	5.88	5.17	0.71	0.00
1,198.70	6.33	5.61	0.73	0.00
1,198.80	6.47	5.74	0.74	0.00
1,198.90	6.61	5.86	0.75	0.00
1,199.00	6.75	5.98	0.77	0.00
1,199.10	8.48	6.10	0.78	1.60
1,199.20	11.60	6.21	0.79	4.60
1,199.30	15.83	6.33	0.81	8.70
1,199.40	21.04	6.44	0.82	13.78
1,199.50	27.47	6.55	0.83	20.08
1,199.60	35.01	6.66	0.85	27.51
1,199.70	42.73	6.76	0.86	35.10
1,199.80	51.17	6.87	0.87	43.42
1,199.90	60.31	6.97	0.89	52.45
1,200.00	**70.15**	**7.07**	**0.90**	**62.18**

Stage-Area-Storage for Pond P3B: Pond 3B

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,195.00	2,799	0
1,195.05	2,879	142
1,195.10	2,959	288
1,195.15	3,039	438
1,195.20	3,119	592
1,195.25	3,198	750
1,195.30	3,278	912
1,195.35	3,358	1,078
1,195.40	3,438	1,247
1,195.45	3,518	1,421
1,195.50	3,598	1,599
1,195.55	3,678	1,781
1,195.60	3,758	1,967
1,195.65	3,837	2,157
1,195.70	3,917	2,351
1,195.75	3,997	2,549
1,195.80	4,077	2,750
1,195.85	4,157	2,956
1,195.90	4,237	3,166
1,195.95	4,317	3,380
1,196.00	4,397	3,598
1,196.05	4,476	3,820
1,196.10	4,556	4,045
1,196.15	4,636	4,275
1,196.20	4,716	4,509
1,196.25	4,796	4,747
1,196.30	4,876	4,989
1,196.35	4,956	5,234
1,196.40	5,036	5,484
1,196.45	5,116	5,738
1,196.50	5,195	5,996
1,196.55	5,275	6,258
1,196.60	5,355	6,523
1,196.65	5,435	6,793
1,196.70	5,515	7,067
1,196.75	5,595	7,345
1,196.80	5,675	7,626
1,196.85	5,755	7,912
1,196.90	5,834	8,202
1,196.95	5,914	8,495
1,197.00	5,994	8,793
1,197.05	6,074	9,095
1,197.10	6,154	9,401
1,197.15	6,234	9,710
1,197.20	6,314	10,024
1,197.25	6,394	10,342
1,197.30	6,473	10,663
1,197.35	6,553	10,989
1,197.40	6,633	11,319
1,197.45	6,713	11,652
1,197.50	6,793	11,990
1,197.55	6,873	12,332
1,197.60	6,953	12,677
1,197.65	7,033	13,027
1,197.70	7,113	13,381
1,197.75	7,192	13,738
1,197.80	7,272	14,100
1,197.85	7,352	14,465
1,197.90	7,432	14,835
1,197.95	7,512	15,209
1,198.00	7,592	15,586
1,198.05	7,672	15,968
1,198.10	7,752	16,353
1,198.15	7,831	16,743
1,198.20	7,911	17,137
1,198.25	7,991	17,534
1,198.30	8,071	17,936
1,198.35	8,151	18,341
1,198.40	8,231	18,751
1,198.45	8,311	19,164
1,198.50	8,391	19,582
1,198.55	8,470	20,003
1,198.60	8,550	20,429
1,198.65	8,630	20,858
1,198.70	8,710	21,292
1,198.75	8,790	21,729
1,198.80	8,870	22,171
1,198.85	8,950	22,616
1,198.90	9,030	23,066
1,198.95	9,110	23,519
1,199.00	9,189	23,977
1,199.05	9,269	24,438
1,199.10	9,349	24,904
1,199.15	9,429	25,373
1,199.20	9,509	25,847
1,199.25	9,589	26,324
1,199.30	9,669	26,806
1,199.35	9,749	27,291
1,199.40	9,828	27,780
1,199.45	9,908	28,274
1,199.50	9,988	28,771
1,199.55	10,068	29,273
1,199.60	10,148	29,778
1,199.65	10,228	30,287
1,199.70	10,308	30,801
1,199.75	10,388	31,318
1,199.80	10,467	31,840
1,199.85	10,547	32,365
1,199.90	10,627	32,894
1,199.95	10,707	33,428
1,200.00	**10,787**	**33,965**

Summary for Pond P3C: Pond 3C

Inflow Area = 2.490 ac, 22.89% Impervious, Inflow Depth = 3.37" for 100 YR event
Inflow = 13.07 cfs @ 12.13 hrs, Volume= 0.699 af
Outflow = 6.79 cfs @ 12.25 hrs, Volume= 0.699 af, Atten= 48%, Lag= 6.9 min
Primary = 4.78 cfs @ 12.24 hrs, Volume= 0.358 af
Routed to Link 4L : Post - North
Secondary = 0.39 cfs @ 12.25 hrs, Volume= 0.326 af
Tertiary = 1.62 cfs @ 12.25 hrs, Volume= 0.014 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,181.10' @ 12.25 hrs Surf.Area= 4,705 sf Storage= 10,244 cf

Plug-Flow detention time= 99.6 min calculated for 0.699 af (100% of inflow)
Center-of-Mass det. time= 99.7 min (912.3 - 812.7)

Volume	Invert	Avail.Storage	Storage Description
#1	1,178.00'	14,846 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

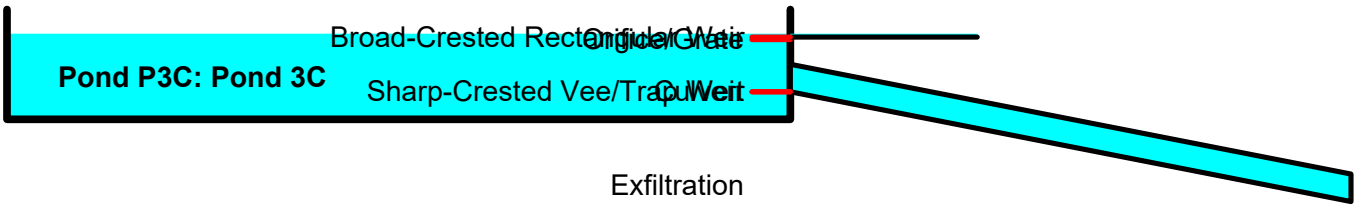
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,178.00	1,905	0	0
1,182.00	5,518	14,846	14,846

Device	Routing	Invert	Outlet Devices
#1	Primary	1,179.00'	**12.0" Round Culvert** L= 30.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,179.00' / 1,175.00' S= 0.1333 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,179.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,180.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Secondary	1,178.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,181.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=4.78 cfs @ 12.24 hrs HW=1,181.10' (Free Discharge)
└**1=Culvert** (Inlet Controls 4.78 cfs @ 6.08 fps)
├**2=Sharp-Crested Vee/Trap Weir** (Passes < 3.02 cfs potential flow)
└**3=Orifice/Grate** (Passes < 2.84 cfs potential flow)

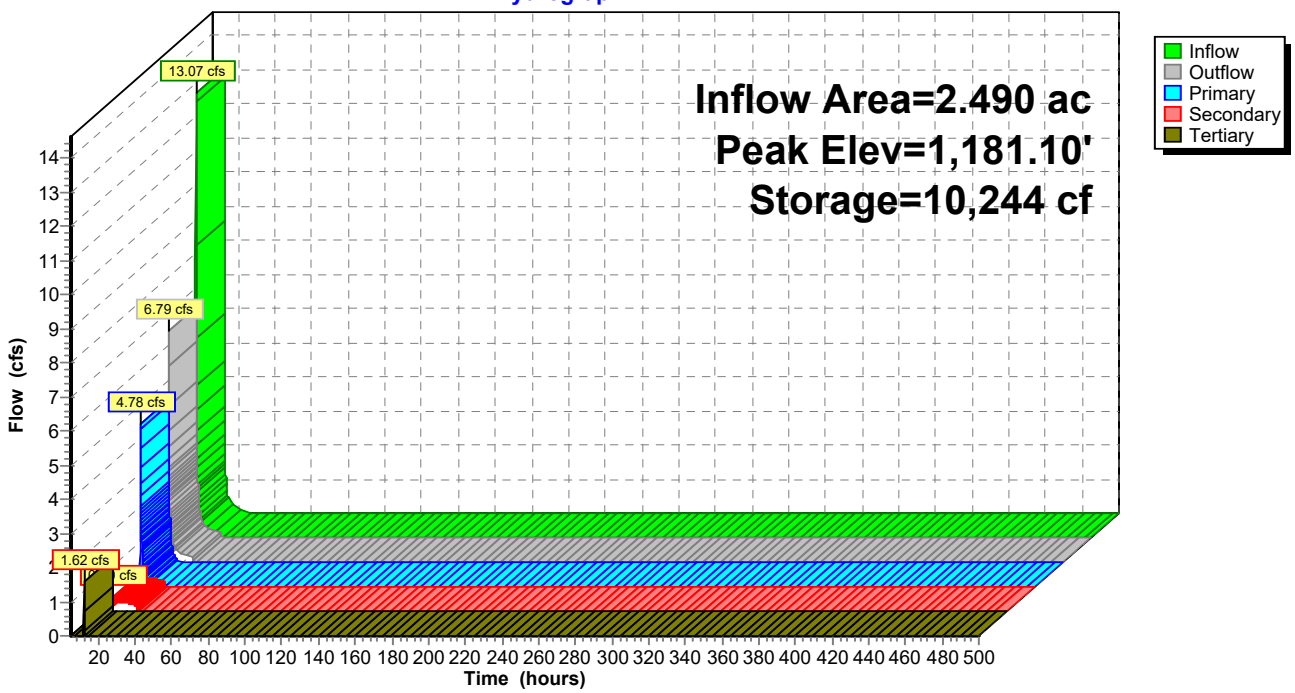
Secondary OutFlow Max=0.39 cfs @ 12.25 hrs HW=1,181.10' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.39 cfs)

Tertiary OutFlow Max=1.54 cfs @ 12.25 hrs HW=1,181.10' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Weir Controls 1.54 cfs @ 0.78 fps)

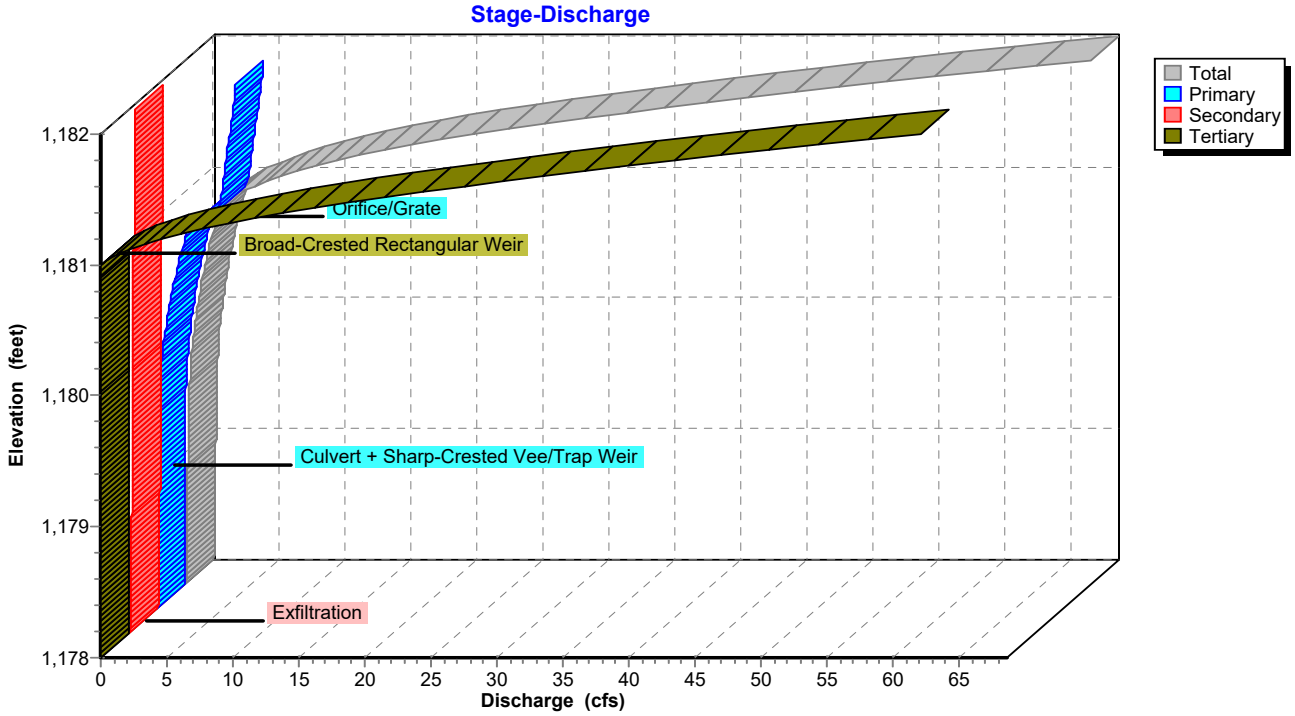


Pond P3C: Pond 3C

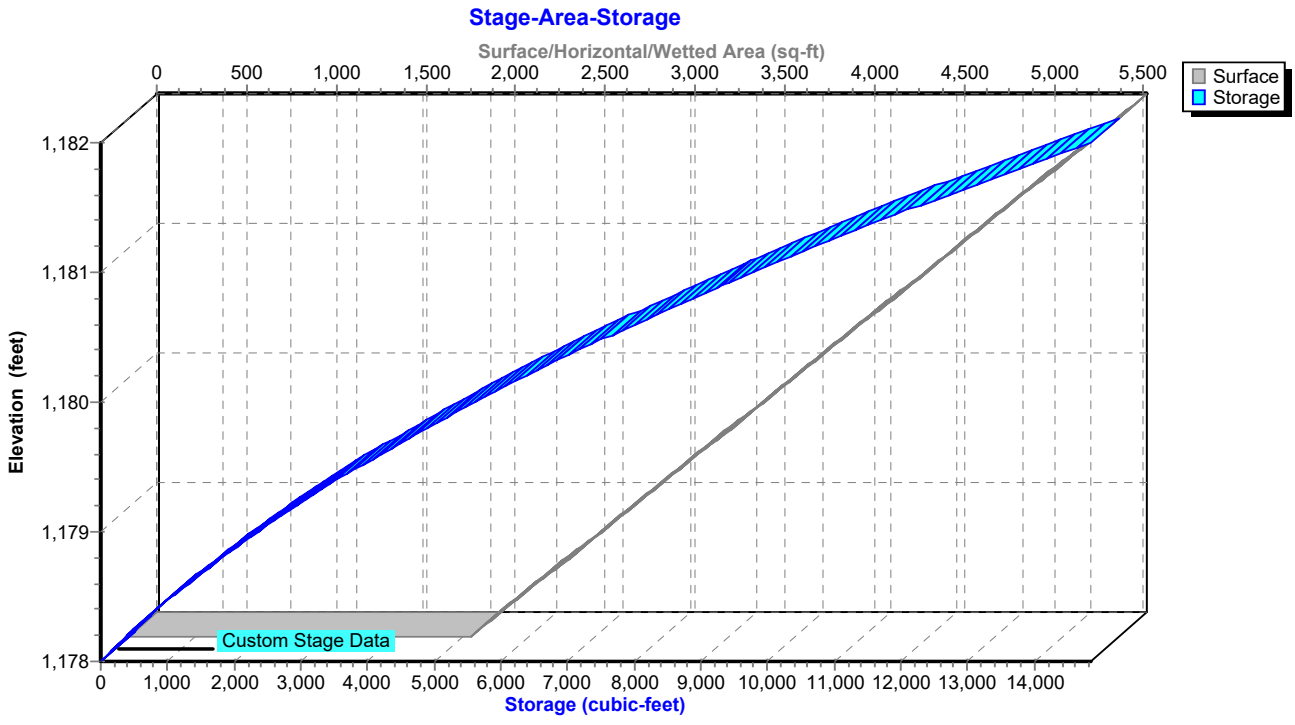
Hydrograph



Pond P3C: Pond 3C



Pond P3C: Pond 3C



Hydrograph for Pond P3C: Pond 3C

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,178.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.45**	**5,056**	**1,179.85**	**0.61**	**0.31**	**0.30**	**0.00**
25.00	0.00	501	1,178.25	0.18	0.00	0.18	0.00
35.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,178.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3C: Pond 3C

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,178.00	0.00	0.00	0.00	0.00
1,178.10	0.17	0.00	0.17	0.00
1,178.20	0.17	0.00	0.17	0.00
1,178.30	0.18	0.00	0.18	0.00
1,178.40	0.19	0.00	0.19	0.00
1,178.50	0.20	0.00	0.20	0.00
1,178.60	0.20	0.00	0.20	0.00
1,178.70	0.21	0.00	0.21	0.00
1,178.80	0.22	0.00	0.22	0.00
1,178.90	0.23	0.00	0.23	0.00
1,179.00	0.23	0.00	0.23	0.00
1,179.10	0.24	0.00	0.24	0.00
1,179.20	0.26	0.01	0.25	0.00
1,179.30	0.28	0.02	0.26	0.00
1,179.40	0.31	0.05	0.26	0.00
1,179.50	0.36	0.08	0.27	0.00
1,179.60	0.41	0.13	0.28	0.00
1,179.70	0.48	0.19	0.29	0.00
1,179.80	0.57	0.27	0.29	0.00
1,179.90	0.67	0.36	0.30	0.00
1,180.00	0.78	0.47	0.31	0.00
1,180.10	0.92	0.60	0.32	0.00
1,180.20	1.07	0.75	0.32	0.00
1,180.30	1.25	0.91	0.33	0.00
1,180.40	1.44	1.10	0.34	0.00
1,180.50	1.65	1.31	0.35	0.00
1,180.60	1.89	1.54	0.35	0.00
1,180.70	2.15	1.79	0.36	0.00
1,180.80	2.43	2.06	0.37	0.00
1,180.90	2.74	2.36	0.38	0.00
1,181.00	4.10	3.72	0.38	0.00
1,181.10	6.78	4.78	0.39	1.60
1,181.20	9.93	4.93	0.40	4.60
1,181.30	14.18	5.07	0.41	8.70
1,181.40	19.41	5.21	0.41	13.78
1,181.50	25.85	5.35	0.42	20.08
1,181.60	33.42	5.48	0.43	27.51
1,181.70	41.15	5.61	0.44	35.10
1,181.80	49.60	5.74	0.44	43.42
1,181.90	58.76	5.86	0.45	52.45
1,182.00	**68.62**	**5.98**	**0.46**	**62.18**

Stage-Area-Storage for Pond P3C: Pond 3C

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,178.00	1,905	0
1,178.05	1,950	96
1,178.10	1,995	195
1,178.15	2,040	296
1,178.20	2,086	399
1,178.25	2,131	504
1,178.30	2,176	612
1,178.35	2,221	722
1,178.40	2,266	834
1,178.45	2,311	949
1,178.50	2,357	1,065
1,178.55	2,402	1,184
1,178.60	2,447	1,306
1,178.65	2,492	1,429
1,178.70	2,537	1,555
1,178.75	2,582	1,683
1,178.80	2,628	1,813
1,178.85	2,673	1,946
1,178.90	2,718	2,080
1,178.95	2,763	2,217
1,179.00	2,808	2,357
1,179.05	2,853	2,498
1,179.10	2,899	2,642
1,179.15	2,944	2,788
1,179.20	2,989	2,936
1,179.25	3,034	3,087
1,179.30	3,079	3,240
1,179.35	3,124	3,395
1,179.40	3,170	3,552
1,179.45	3,215	3,712
1,179.50	3,260	3,874
1,179.55	3,305	4,038
1,179.60	3,350	4,204
1,179.65	3,395	4,373
1,179.70	3,441	4,544
1,179.75	3,486	4,717
1,179.80	3,531	4,892
1,179.85	3,576	5,070
1,179.90	3,621	5,250
1,179.95	3,666	5,432
1,180.00	3,712	5,617
1,180.05	3,757	5,803
1,180.10	3,802	5,992
1,180.15	3,847	6,183
1,180.20	3,892	6,377
1,180.25	3,937	6,573
1,180.30	3,982	6,771
1,180.35	4,028	6,971
1,180.40	4,073	7,173
1,180.45	4,118	7,378
1,180.50	4,163	7,585
1,180.55	4,208	7,794
1,180.60	4,253	8,006
1,180.65	4,299	8,220
1,180.70	4,344	8,436
1,180.75	4,389	8,654
1,180.80	4,434	8,875
1,180.85	4,479	9,098
1,180.90	4,524	9,323
1,180.95	4,570	9,550
1,181.00	4,615	9,780
1,181.05	4,660	10,011
1,181.10	4,705	10,246
1,181.15	4,750	10,482
1,181.20	4,795	10,721
1,181.25	4,841	10,962
1,181.30	4,886	11,205
1,181.35	4,931	11,450
1,181.40	4,976	11,698
1,181.45	5,021	11,948
1,181.50	5,066	12,200
1,181.55	5,112	12,454
1,181.60	5,157	12,711
1,181.65	5,202	12,970
1,181.70	5,247	13,231
1,181.75	5,292	13,495
1,181.80	5,337	13,760
1,181.85	5,383	14,028
1,181.90	5,428	14,299
1,181.95	5,473	14,571
1,182.00	**5,518**	**14,846**

Summary for Pond P3D: Pond 3D

Inflow Area = 2.380 ac, 23.95% Impervious, Inflow Depth = 3.47" for 100 YR event
Inflow = 12.83 cfs @ 12.13 hrs, Volume= 0.688 af
Outflow = 6.89 cfs @ 12.24 hrs, Volume= 0.688 af, Atten= 46%, Lag= 6.3 min
Primary = 6.04 cfs @ 12.23 hrs, Volume= 0.488 af
Routed to Link 4L : Post - North
Secondary = 0.28 cfs @ 12.23 hrs, Volume= 0.196 af
Tertiary = 0.57 cfs @ 12.24 hrs, Volume= 0.004 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,191.05' @ 12.23 hrs Surf.Area= 3,308 sf Storage= 8,209 cf

Plug-Flow detention time= 61.5 min calculated for 0.687 af (100% of inflow)
Center-of-Mass det. time= 61.5 min (872.2 - 810.7)

Volume	Invert	Avail.Storage	Storage Description
#1	1,187.00'	11,620 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

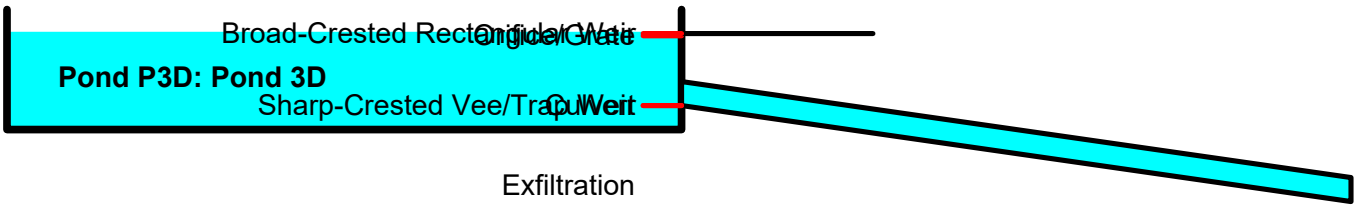
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,187.00	741	0	0
1,192.00	3,907	11,620	11,620

Device	Routing	Invert	Outlet Devices
#1	Primary	1,188.00'	**12.0" Round Culvert** L= 35.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,188.00' / 1,184.00' S= 0.1143 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,188.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,190.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,187.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,191.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

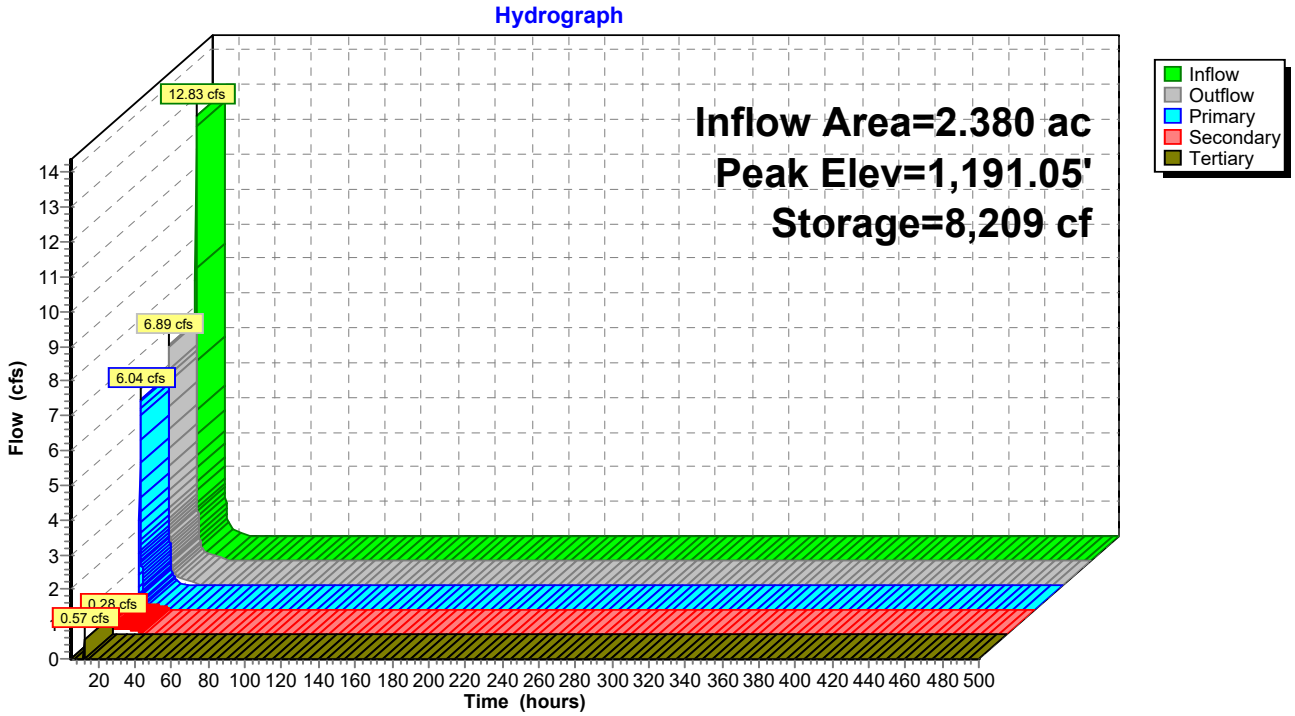
Primary OutFlow Max=6.03 cfs @ 12.23 hrs HW=1,191.04' (Free Discharge)
└**1=Culvert** (Inlet Controls 6.03 cfs @ 7.68 fps)
└**2=Sharp-Crested Vee/Trap Weir** (Passes < 7.67 cfs potential flow)
└**3=Orifice/Grate** (Passes < 10.95 cfs potential flow)

Secondary OutFlow Max=0.28 cfs @ 12.23 hrs HW=1,191.04' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.28 cfs)

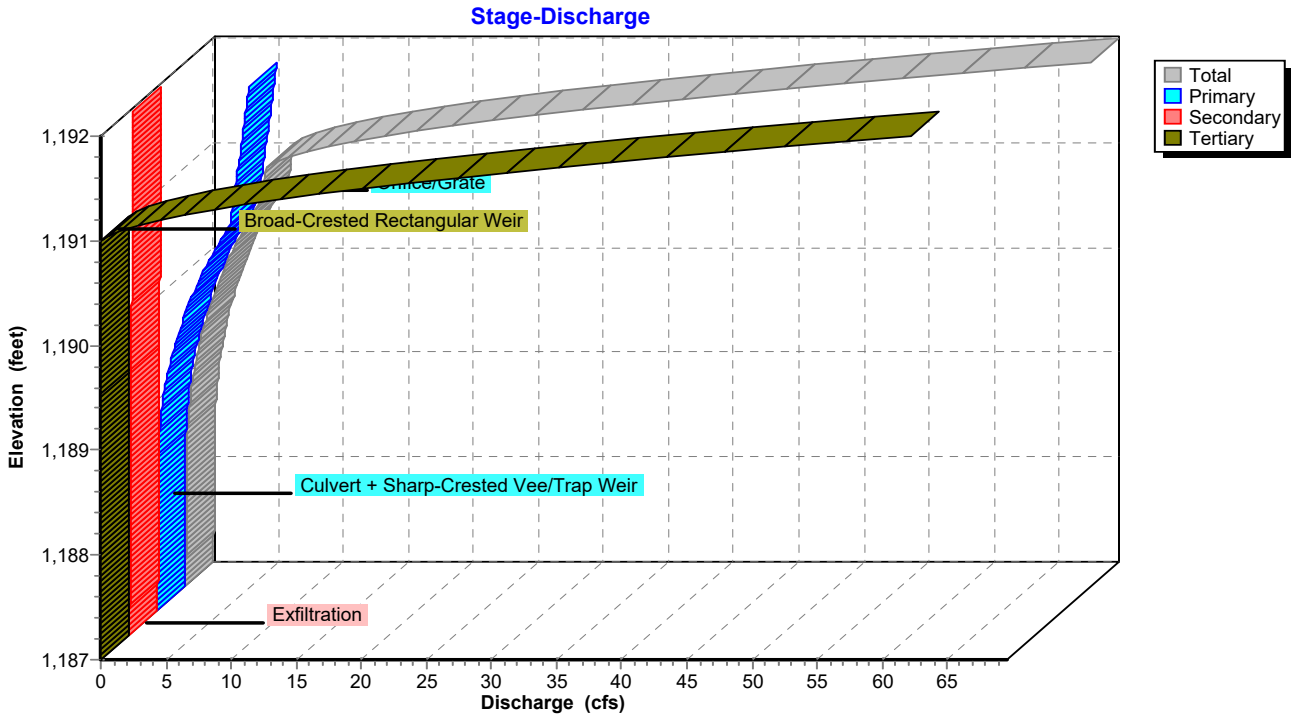
Tertiary OutFlow Max=0.48 cfs @ 12.24 hrs HW=1,191.05' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Weir Controls 0.48 cfs @ 0.53 fps)



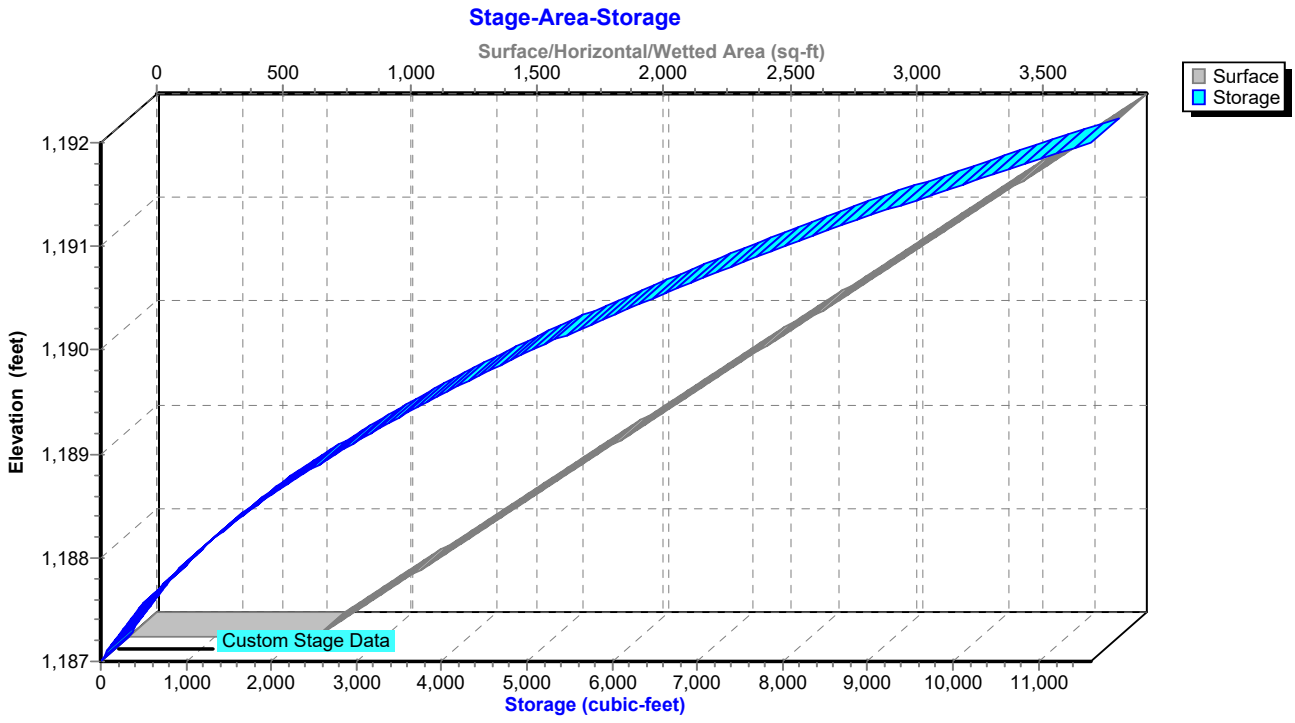
Pond P3D: Pond 3D



Pond P3D: Pond 3D



Pond P3D: Pond 3D



Hydrograph for Pond P3D: Pond 3D

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,187.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.43**	**2,469**	**1,188.86**	**0.48**	**0.32**	**0.16**	**0.00**
25.00	0.00	703	1,187.72	0.10	0.00	0.10	0.00
35.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,187.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3D: Pond 3D

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,187.00	0.00	0.00	0.00	0.00
1,187.10	0.07	0.00	0.07	0.00
1,187.20	0.07	0.00	0.07	0.00
1,187.30	0.08	0.00	0.08	0.00
1,187.40	0.08	0.00	0.08	0.00
1,187.50	0.09	0.00	0.09	0.00
1,187.60	0.09	0.00	0.09	0.00
1,187.70	0.10	0.00	0.10	0.00
1,187.80	0.10	0.00	0.10	0.00
1,187.90	0.11	0.00	0.11	0.00
1,188.00	0.11	0.00	0.11	0.00
1,188.10	0.12	0.00	0.12	0.00
1,188.20	0.13	0.01	0.13	0.00
1,188.30	0.15	0.02	0.13	0.00
1,188.40	0.18	0.05	0.14	0.00
1,188.50	0.22	0.08	0.14	0.00
1,188.60	0.28	0.13	0.15	0.00
1,188.70	0.35	0.19	0.15	0.00
1,188.80	0.43	0.27	0.16	0.00
1,188.90	0.53	0.36	0.16	0.00
1,189.00	0.64	0.47	0.17	0.00
1,189.10	0.77	0.60	0.17	0.00
1,189.20	0.93	0.75	0.18	0.00
1,189.30	1.10	0.91	0.18	0.00
1,189.40	1.29	1.10	0.19	0.00
1,189.50	1.50	1.31	0.19	0.00
1,189.60	1.73	1.54	0.20	0.00
1,189.70	1.99	1.79	0.20	0.00
1,189.80	2.27	2.06	0.21	0.00
1,189.90	2.58	2.36	0.21	0.00
1,190.00	2.90	2.68	0.22	0.00
1,190.10	3.26	3.03	0.23	0.00
1,190.20	3.64	3.41	0.23	0.00
1,190.30	4.04	3.81	0.24	0.00
1,190.40	4.47	4.23	0.24	0.00
1,190.50	4.93	4.69	0.25	0.00
1,190.60	5.42	5.17	0.25	0.00
1,190.70	5.87	5.61	0.26	0.00
1,190.80	6.00	5.74	0.26	0.00
1,190.90	6.13	5.86	0.27	0.00
1,191.00	6.25	5.98	0.27	0.00
1,191.10	7.98	6.10	0.28	1.60
1,191.20	11.09	6.21	0.28	4.60
1,191.30	15.31	6.33	0.29	8.70
1,191.40	20.52	6.44	0.29	13.78
1,191.50	26.93	6.55	0.30	20.08
1,191.60	34.47	6.66	0.30	27.51
1,191.70	42.18	6.76	0.31	35.10
1,191.80	50.61	6.87	0.32	43.42
1,191.90	59.75	6.97	0.32	52.45
1,192.00	**69.58**	**7.07**	**0.33**	**62.18**

Stage-Area-Storage for Pond P3D: Pond 3D

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,187.00	741	0	1,189.55	2,356	3,948
1,187.05	773	38	1,189.60	2,387	4,067
1,187.10	804	77	1,189.65	2,419	4,187
1,187.15	836	118	1,189.70	2,451	4,309
1,187.20	868	161	1,189.75	2,482	4,432
1,187.25	899	205	1,189.80	2,514	4,557
1,187.30	931	251	1,189.85	2,546	4,683
1,187.35	963	298	1,189.90	2,577	4,812
1,187.40	994	347	1,189.95	2,609	4,941
1,187.45	1,026	398	1,190.00	2,641	5,072
1,187.50	1,058	450	1,190.05	2,672	5,205
1,187.55	1,089	503	1,190.10	2,704	5,340
1,187.60	1,121	559	1,190.15	2,736	5,476
1,187.65	1,153	615	1,190.20	2,767	5,613
1,187.70	1,184	674	1,190.25	2,799	5,752
1,187.75	1,216	734	1,190.30	2,831	5,893
1,187.80	1,248	795	1,190.35	2,862	6,035
1,187.85	1,279	859	1,190.40	2,894	6,179
1,187.90	1,311	923	1,190.45	2,926	6,325
1,187.95	1,343	990	1,190.50	2,957	6,472
1,188.00	1,374	1,058	1,190.55	2,989	6,621
1,188.05	1,406	1,127	1,190.60	3,021	6,771
1,188.10	1,438	1,198	1,190.65	3,052	6,923
1,188.15	1,469	1,271	1,190.70	3,084	7,076
1,188.20	1,501	1,345	1,190.75	3,116	7,231
1,188.25	1,533	1,421	1,190.80	3,147	7,388
1,188.30	1,564	1,498	1,190.85	3,179	7,546
1,188.35	1,596	1,577	1,190.90	3,210	7,705
1,188.40	1,627	1,658	1,190.95	3,242	7,867
1,188.45	1,659	1,740	1,191.00	3,274	8,030
1,188.50	1,691	1,824	1,191.05	3,305	8,194
1,188.55	1,722	1,909	1,191.10	3,337	8,360
1,188.60	1,754	1,996	1,191.15	3,369	8,528
1,188.65	1,786	2,085	1,191.20	3,400	8,697
1,188.70	1,817	2,175	1,191.25	3,432	8,868
1,188.75	1,849	2,266	1,191.30	3,464	9,040
1,188.80	1,881	2,360	1,191.35	3,495	9,214
1,188.85	1,912	2,454	1,191.40	3,527	9,390
1,188.90	1,944	2,551	1,191.45	3,559	9,567
1,188.95	1,976	2,649	1,191.50	3,590	9,746
1,189.00	2,007	2,748	1,191.55	3,622	9,926
1,189.05	2,039	2,850	1,191.60	3,654	10,108
1,189.10	2,071	2,952	1,191.65	3,685	10,291
1,189.15	2,102	3,057	1,191.70	3,717	10,476
1,189.20	2,134	3,163	1,191.75	3,749	10,663
1,189.25	2,166	3,270	1,191.80	3,780	10,851
1,189.30	2,197	3,379	1,191.85	3,812	11,041
1,189.35	2,229	3,490	1,191.90	3,844	11,232
1,189.40	2,261	3,602	1,191.95	3,875	11,425
1,189.45	2,292	3,716	1,192.00	**3,907**	**11,620**
1,189.50	2,324	3,831			

Summary for Pond P3E: Pond 3E

Inflow Area = 2.780 ac, 19.06% Impervious, Inflow Depth = 3.27" for 100 YR event
Inflow = 14.19 cfs @ 12.13 hrs, Volume= 0.757 af
Outflow = 7.12 cfs @ 12.25 hrs, Volume= 0.757 af, Atten= 50%, Lag= 7.2 min
Primary = 4.80 cfs @ 12.25 hrs, Volume= 0.380 af
Routed to Link 4L : Post - North
Secondary = 0.39 cfs @ 12.25 hrs, Volume= 0.361 af
Tertiary = 1.93 cfs @ 12.25 hrs, Volume= 0.016 af

Routing by Stor-Ind method, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs
Peak Elev= 1,219.11' @ 12.25 hrs Surf.Area= 4,661 sf Storage= 11,171 cf

Plug-Flow detention time= 107.5 min calculated for 0.757 af (100% of inflow)
Center-of-Mass det. time= 107.5 min (922.2 - 814.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1,216.00'	15,578 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

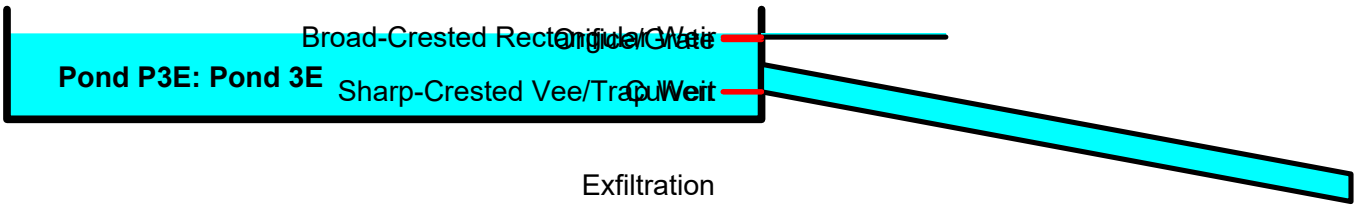
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,216.00	2,517	0	0
1,220.00	5,272	15,578	15,578

Device	Routing	Invert	Outlet Devices
#1	Primary	1,217.00'	**12.0" Round Culvert** L= 32.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 1,217.00' / 1,213.00' S= 0.1250 '/' Cc= 0.900 n= 0.013 Concrete pipe, straight & clean, Flow Area= 0.79 sf
#2	Device 1	1,217.00'	**20.0 deg Sharp-Crested Vee/Trap Weir** Cv= 2.69 (C= 3.36)
#3	Device 1	1,218.90'	**24.0" x 36.0" Horiz. Orifice/Grate** C= 0.600
#4	Secondary	1,216.00'	**3.600 in/hr Exfiltration over Surface area**
#5	Tertiary	1,219.00'	**20.0' long + 4.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

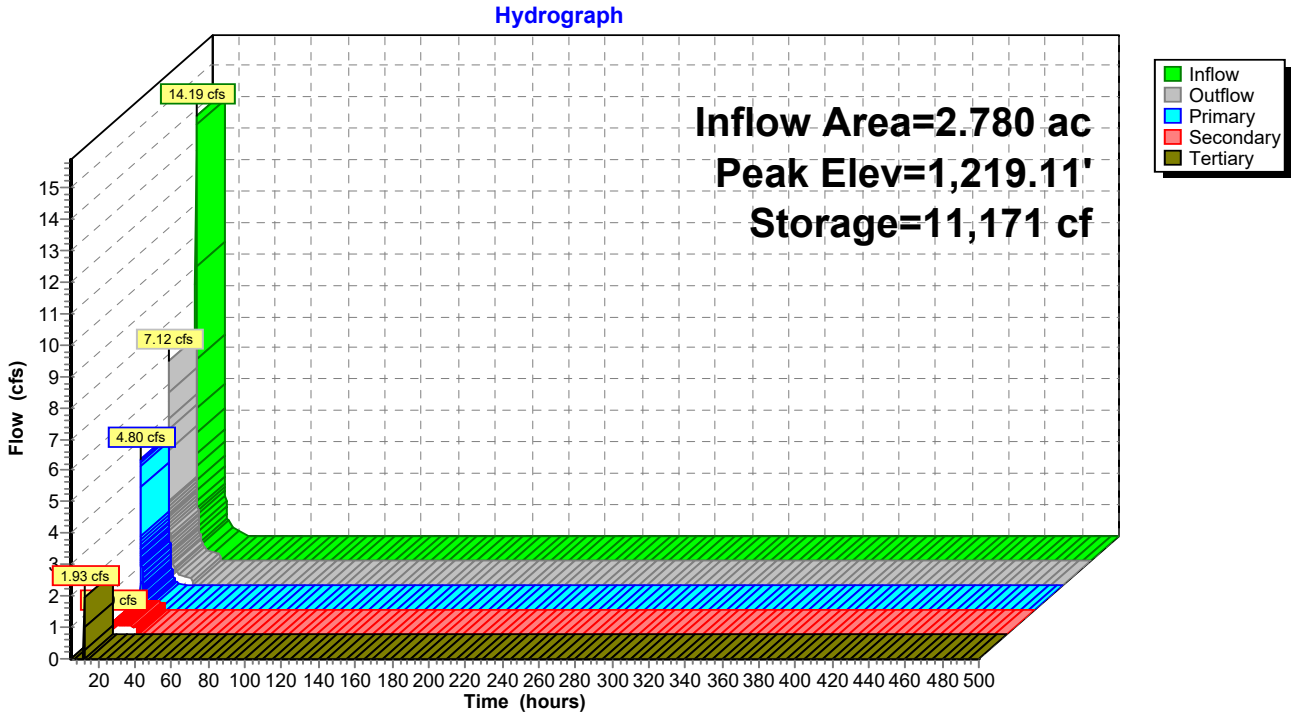
Primary OutFlow Max=4.80 cfs @ 12.25 hrs HW=1,219.11' (Free Discharge)
└**1=Culvert** (Inlet Controls 4.80 cfs @ 6.11 fps)
└**2=Sharp-Crested Vee/Trap Weir** (Passes < 3.08 cfs potential flow)
└**3=Orifice/Grate** (Passes < 13.32 cfs potential flow)

Secondary OutFlow Max=0.39 cfs @ 12.25 hrs HW=1,219.11' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.39 cfs)

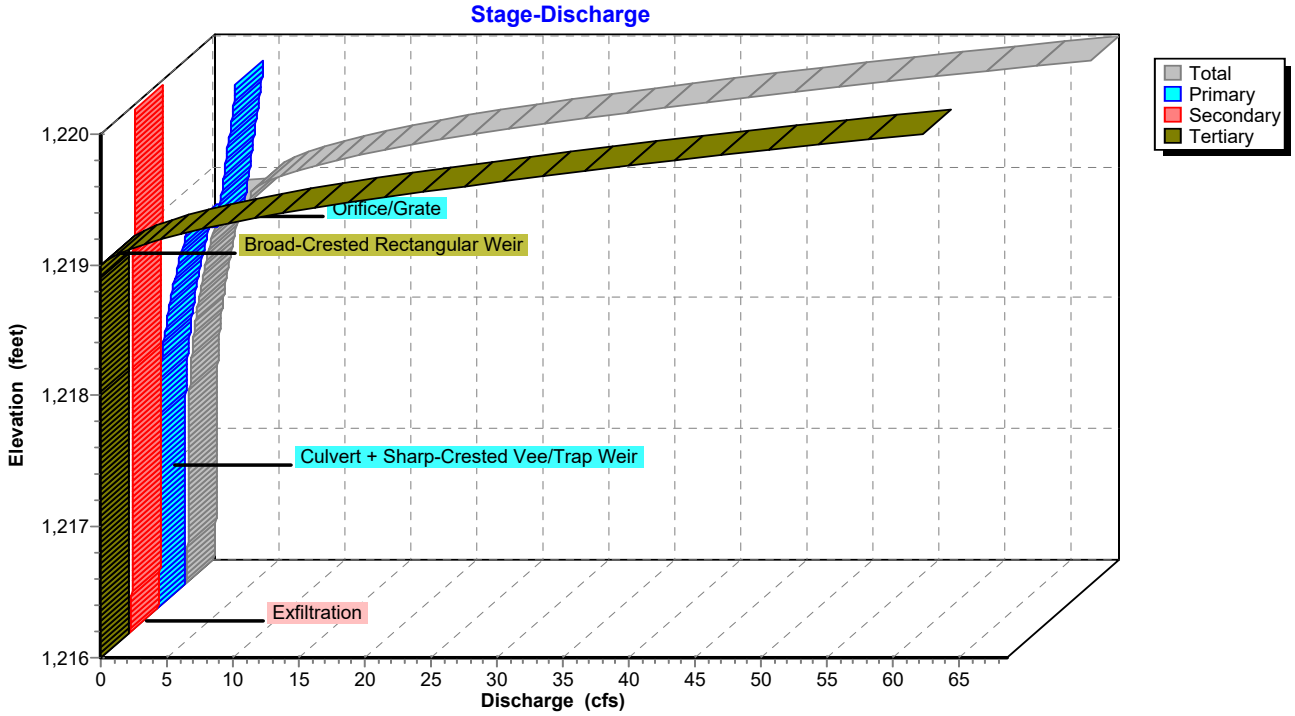
Tertiary OutFlow Max=1.84 cfs @ 12.25 hrs HW=1,219.11' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Weir Controls 1.84 cfs @ 0.82 fps)



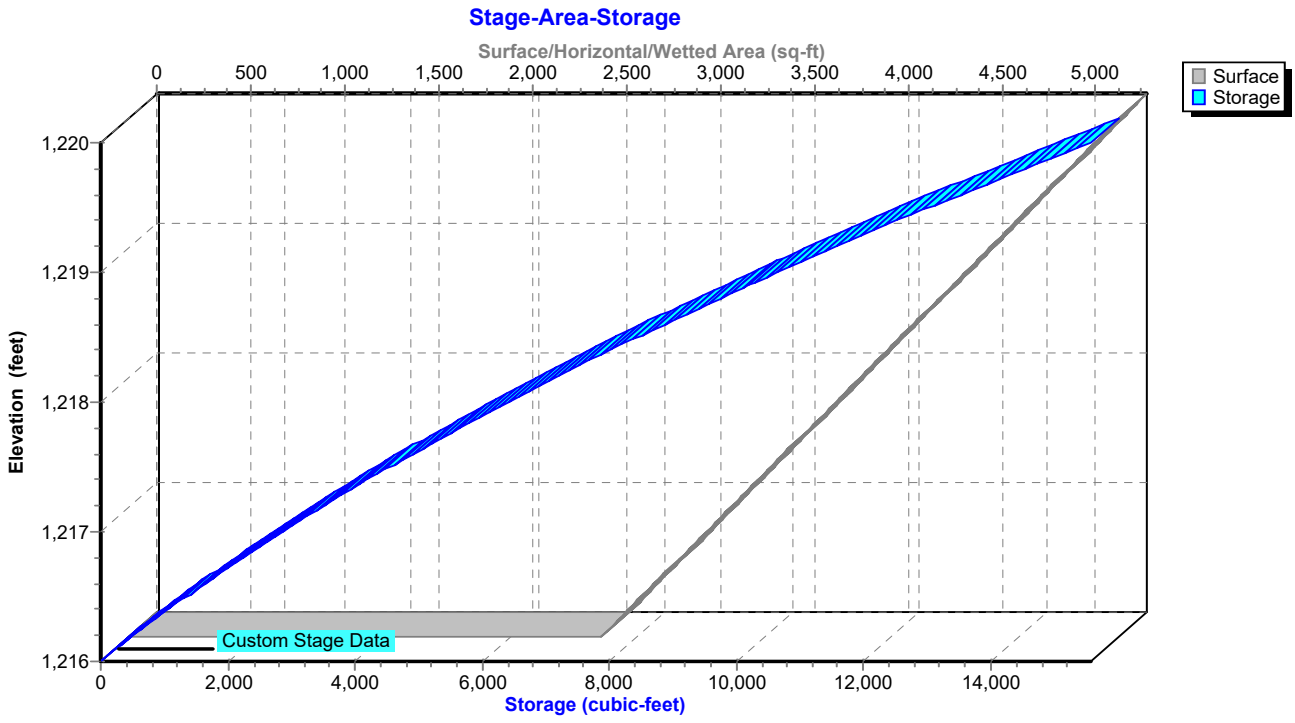
Pond P3E: Pond 3E



Pond P3E: Pond 3E



Pond P3E: Pond 3E



Hydrograph for Pond P3E: Pond 3E

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Outflow (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
5.00	**0.00**	**0**	**1,216.00**	**0.00**	**0.00**	**0.00**	**0.00**
15.00	**0.49**	**5,966**	**1,217.88**	**0.67**	**0.35**	**0.32**	**0.00**
25.00	0.00	622	1,216.24	0.22	0.00	0.22	0.00
35.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
45.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
55.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
65.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
75.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
85.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
95.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
105.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
115.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
125.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
135.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
145.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
155.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
165.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
175.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
185.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
195.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
205.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
215.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
225.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
235.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
245.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
255.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
265.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
275.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
285.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
295.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
305.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
315.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
325.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
335.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
345.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
355.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
365.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
375.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
385.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
395.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
405.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
415.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
425.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
435.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
445.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
455.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
465.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
475.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
485.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00
495.00	0.00	0	1,216.00	0.00	0.00	0.00	0.00

Stage-Discharge for Pond P3E: Pond 3E

Elevation (feet)	Discharge (cfs)	Primary (cfs)	Secondary (cfs)	Tertiary (cfs)
1,216.00	0.00	0.00	0.00	0.00
1,216.10	0.22	0.00	0.22	0.00
1,216.20	0.22	0.00	0.22	0.00
1,216.30	0.23	0.00	0.23	0.00
1,216.40	0.23	0.00	0.23	0.00
1,216.50	0.24	0.00	0.24	0.00
1,216.60	0.24	0.00	0.24	0.00
1,216.70	0.25	0.00	0.25	0.00
1,216.80	0.26	0.00	0.26	0.00
1,216.90	0.26	0.00	0.26	0.00
1,217.00	0.27	0.00	0.27	0.00
1,217.10	0.27	0.00	0.27	0.00
1,217.20	0.29	0.01	0.28	0.00
1,217.30	0.31	0.02	0.28	0.00
1,217.40	0.34	0.05	0.29	0.00
1,217.50	0.38	0.08	0.30	0.00
1,217.60	0.43	0.13	0.30	0.00
1,217.70	0.50	0.19	0.31	0.00
1,217.80	0.58	0.27	0.31	0.00
1,217.90	0.68	0.36	0.32	0.00
1,218.00	0.80	0.47	0.32	0.00
1,218.10	0.93	0.60	0.33	0.00
1,218.20	1.08	0.75	0.34	0.00
1,218.30	1.26	0.91	0.34	0.00
1,218.40	1.45	1.10	0.35	0.00
1,218.50	1.66	1.31	0.35	0.00
1,218.60	1.89	1.54	0.36	0.00
1,218.70	2.15	1.79	0.36	0.00
1,218.80	2.43	2.06	0.37	0.00
1,218.90	2.74	2.36	0.38	0.00
1,219.00	5.01	4.63	0.38	0.00
1,219.10	6.77	4.78	0.39	1.60
1,219.20	9.92	4.93	0.39	4.60
1,219.30	14.17	5.07	0.40	8.70
1,219.40	19.40	5.21	0.40	13.78
1,219.50	25.84	5.35	0.41	20.08
1,219.60	33.40	5.48	0.42	27.51
1,219.70	41.13	5.61	0.42	35.10
1,219.80	49.59	5.74	0.43	43.42
1,219.90	58.74	5.86	0.43	52.45
1,220.00	**68.59**	**5.98**	**0.44**	**62.18**

Stage-Area-Storage for Pond P3E: Pond 3E

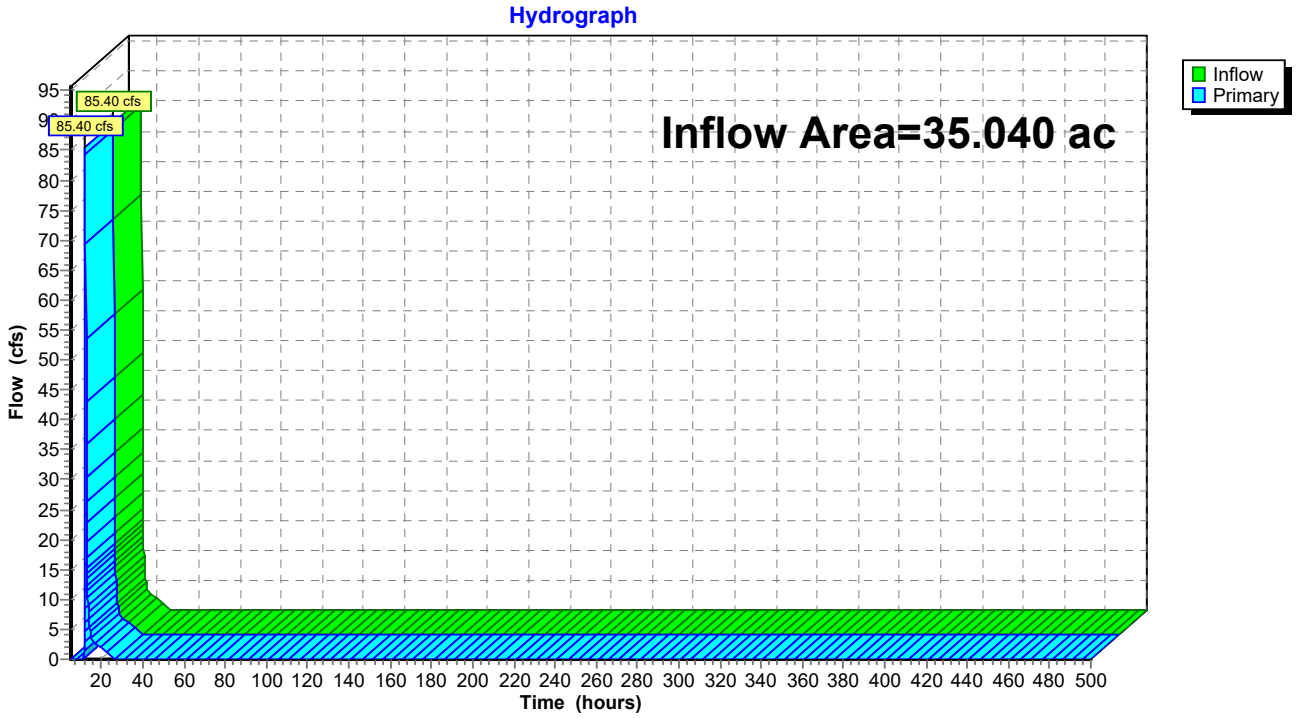
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
1,216.00	2,517	0
1,216.05	2,551	127
1,216.10	2,586	255
1,216.15	2,620	385
1,216.20	2,655	517
1,216.25	2,689	651
1,216.30	2,724	786
1,216.35	2,758	923
1,216.40	2,793	1,062
1,216.45	2,827	1,202
1,216.50	2,861	1,345
1,216.55	2,896	1,489
1,216.60	2,930	1,634
1,216.65	2,965	1,782
1,216.70	2,999	1,931
1,216.75	3,034	2,081
1,216.80	3,068	2,234
1,216.85	3,102	2,388
1,216.90	3,137	2,544
1,216.95	3,171	2,702
1,217.00	3,206	2,861
1,217.05	3,240	3,023
1,217.10	3,275	3,185
1,217.15	3,309	3,350
1,217.20	3,344	3,516
1,217.25	3,378	3,684
1,217.30	3,412	3,854
1,217.35	3,447	4,026
1,217.40	3,481	4,199
1,217.45	3,516	4,374
1,217.50	3,550	4,550
1,217.55	3,585	4,729
1,217.60	3,619	4,909
1,217.65	3,653	5,091
1,217.70	3,688	5,274
1,217.75	3,722	5,459
1,217.80	3,757	5,646
1,217.85	3,791	5,835
1,217.90	3,826	6,025
1,217.95	3,860	6,218
1,218.00	3,895	6,412
1,218.05	3,929	6,607
1,218.10	3,963	6,804
1,218.15	3,998	7,003
1,218.20	4,032	7,204
1,218.25	4,067	7,407
1,218.30	4,101	7,611
1,218.35	4,136	7,817
1,218.40	4,170	8,024
1,218.45	4,204	8,234
1,218.50	4,239	8,445
1,218.55	4,273	8,658
1,218.60	4,308	8,872
1,218.65	4,342	9,088
1,218.70	4,377	9,306
1,218.75	4,411	9,526
1,218.80	4,445	9,747
1,218.85	4,480	9,971
1,218.90	4,514	10,195
1,218.95	4,549	10,422
1,219.00	4,583	10,650
1,219.05	4,618	10,880
1,219.10	4,652	11,112
1,219.15	4,687	11,346
1,219.20	4,721	11,581
1,219.25	4,755	11,818
1,219.30	4,790	12,056
1,219.35	4,824	12,297
1,219.40	4,859	12,539
1,219.45	4,893	12,783
1,219.50	4,928	13,028
1,219.55	4,962	13,275
1,219.60	4,996	13,524
1,219.65	5,031	13,775
1,219.70	5,065	14,027
1,219.75	5,100	14,282
1,219.80	5,134	14,537
1,219.85	5,169	14,795
1,219.90	5,203	15,054
1,219.95	5,238	15,315
1,220.00	**5,272**	**15,578**

Summary for Link 1L: Total Pre - Development

Inflow Area = 35.040 ac, 0.00% Impervious, Inflow Depth = 1.90" for 100 YR event
Inflow = 85.40 cfs @ 12.18 hrs, Volume= 5.547 af
Primary = 85.40 cfs @ 12.18 hrs, Volume= 5.547 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 1L: Total Pre - Development



Hydrograph for Link 1L: Total Pre - Development

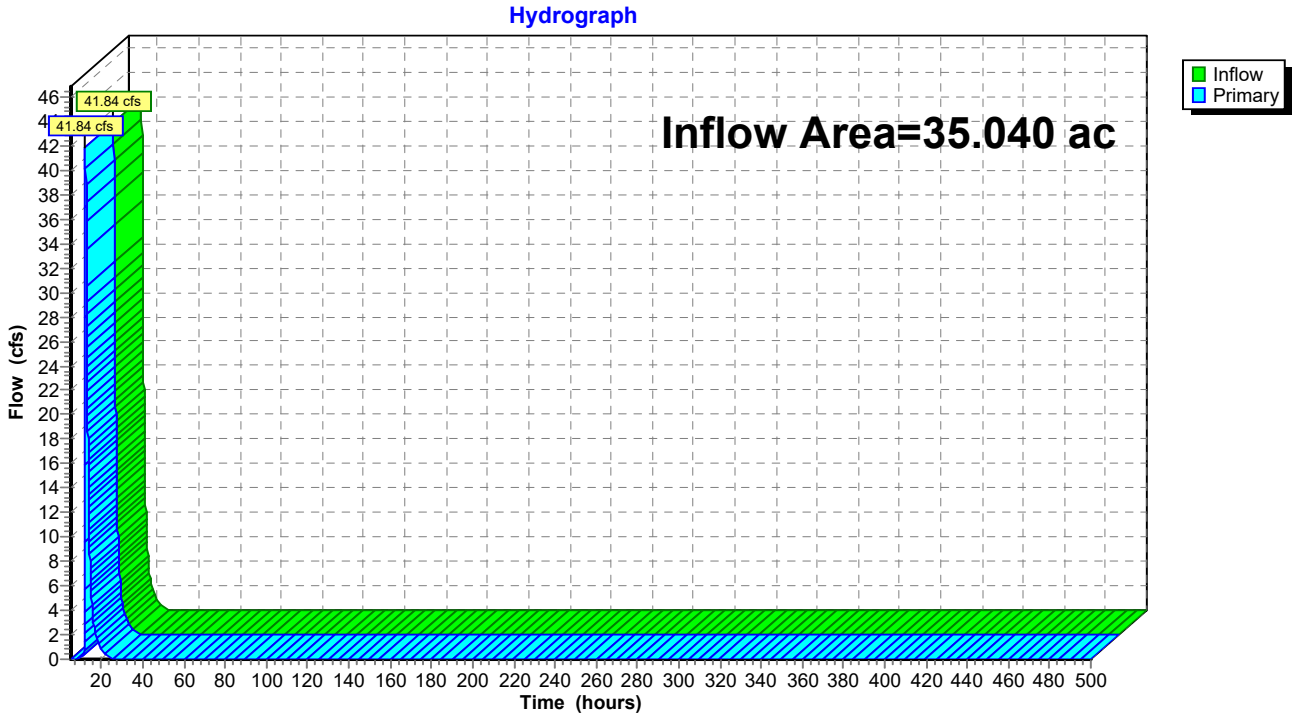
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**4.55**	0.00	**4.55**	270.00	0.00	0.00	0.00
20.00	1.73	0.00	1.73	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 2L: Total Post - Development

Inflow Area = 35.040 ac, 19.66% Impervious, Inflow Depth = 1.86" for 100 YR event
Inflow = 41.84 cfs @ 12.21 hrs, Volume= 5.425 af
Primary = 41.84 cfs @ 12.21 hrs, Volume= 5.425 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 2L: Total Post - Development



Hydrograph for Link 2L: Total Post - Development

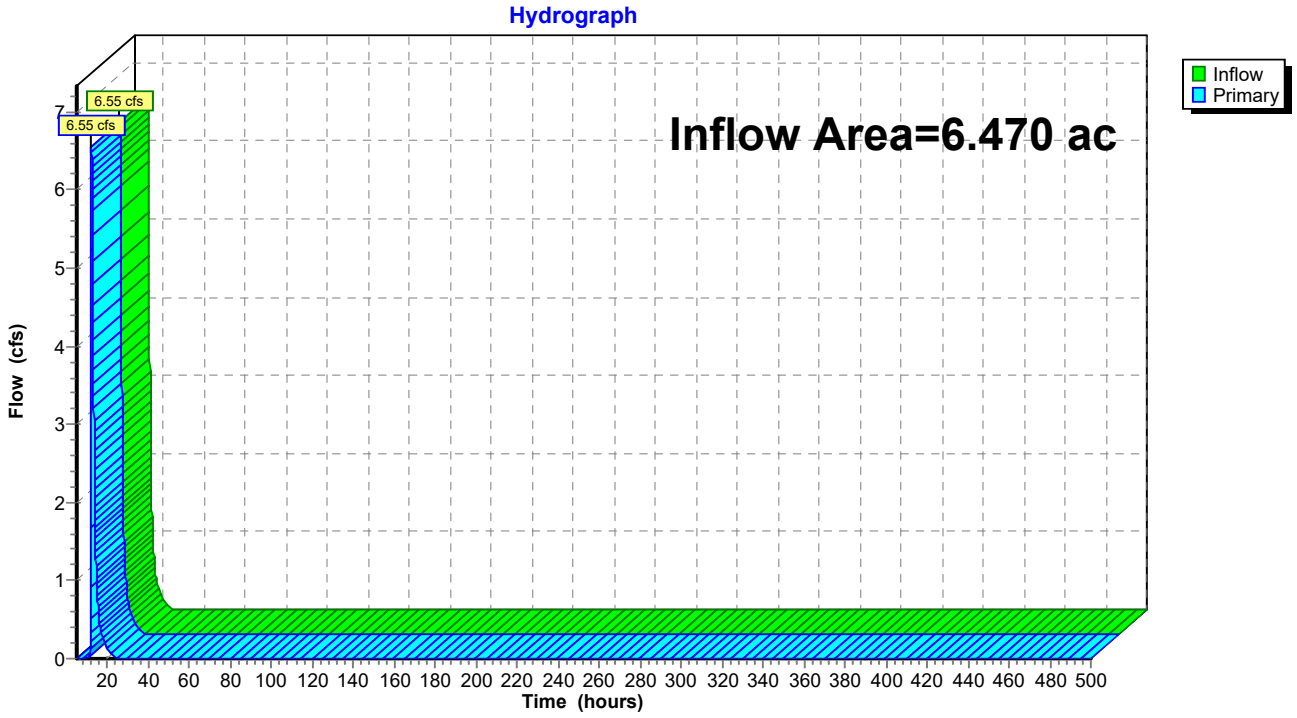
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.09**	0.00	**0.09**	265.00	0.00	0.00	0.00
15.00	**5.37**	0.00	**5.37**	270.00	0.00	0.00	0.00
20.00	0.78	0.00	0.78	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 3L: Post - South

Inflow Area = 6.470 ac, 18.70% Impervious, Inflow Depth = 1.68" for 100 YR event
Inflow = 6.55 cfs @ 12.25 hrs, Volume= 0.907 af
Primary = 6.55 cfs @ 12.25 hrs, Volume= 0.907 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

Link 3L: Post - South



Hydrograph for Link 3L: Post - South

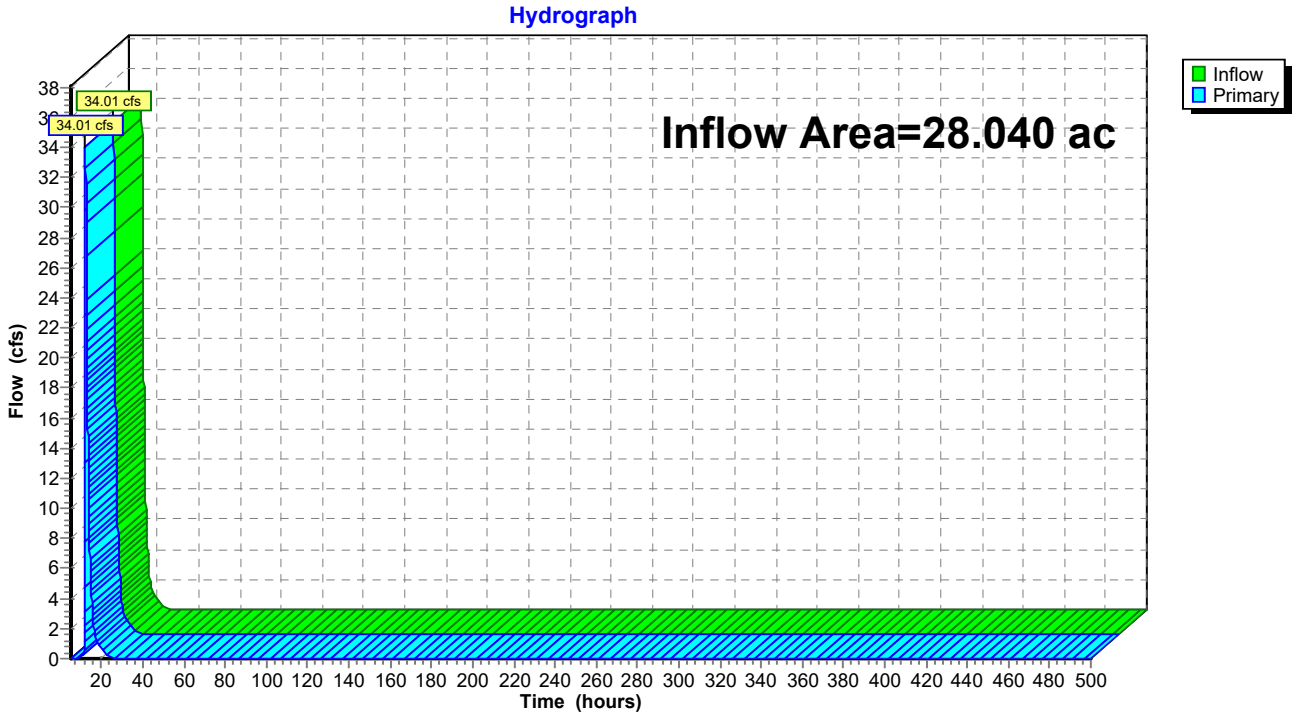
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.00**	0.00	**0.00**	265.00	0.00	0.00	0.00
15.00	**0.88**	0.00	**0.88**	270.00	0.00	0.00	0.00
20.00	0.11	0.00	0.11	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Summary for Link 4L: Post - North

Inflow Area = 28.040 ac, 20.04% Impervious, Inflow Depth = 1.89" for 100 YR event
Inflow = 34.01 cfs @ 12.21 hrs, Volume= 4.411 af
Primary = 34.01 cfs @ 12.21 hrs, Volume= 4.411 af, Atten= 0%, Lag= 0.0 min
Routed to Link 2L : Total Post - Development

Primary outflow = Inflow, Time Span= 5.00-500.00 hrs, dt= 0.05 hrs

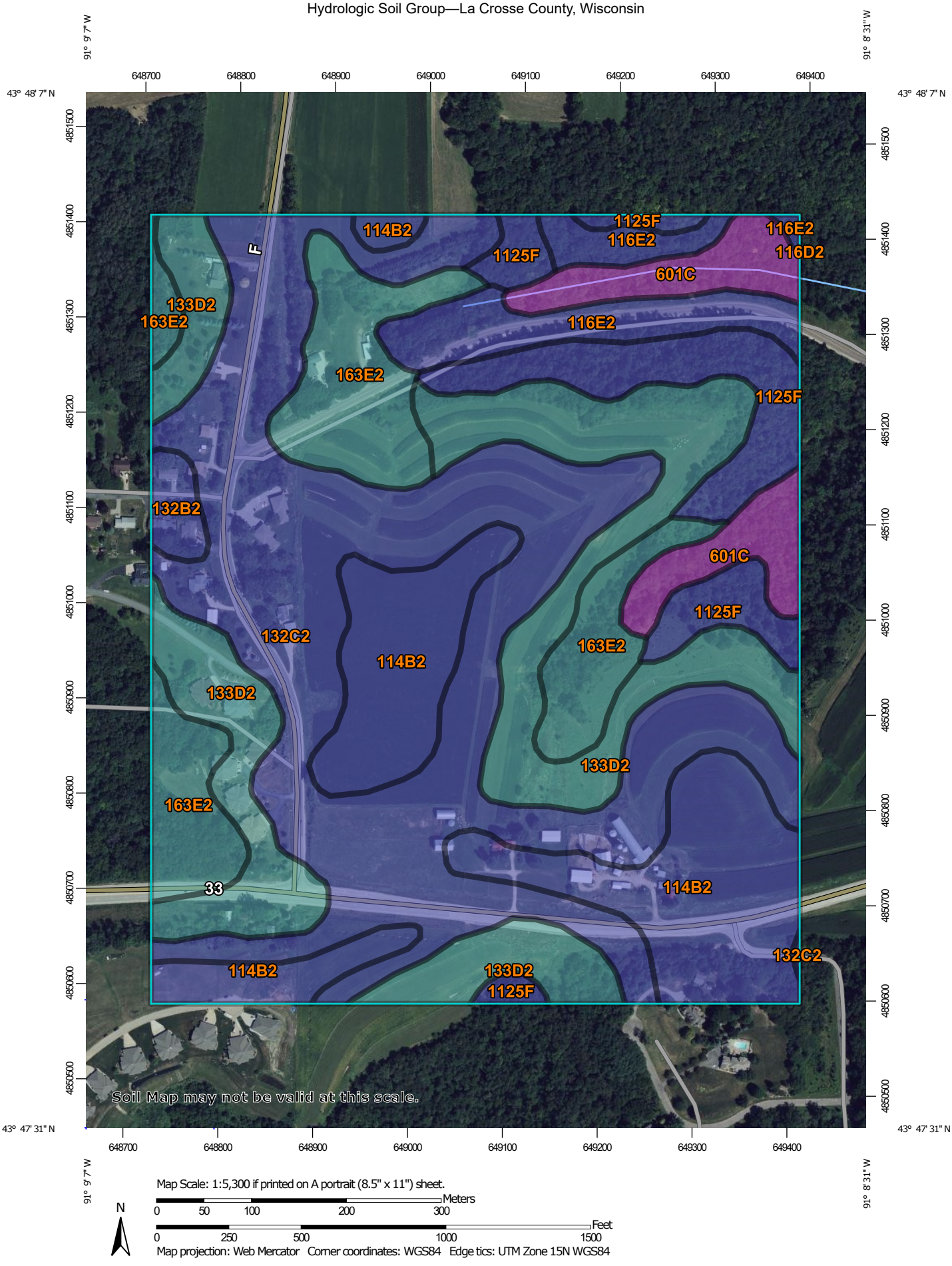
Link 4L: Post - North



Hydrograph for Link 4L: Post - North

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	260.00	0.00	0.00	0.00
10.00	**0.09**	0.00	**0.09**	265.00	0.00	0.00	0.00
15.00	**4.41**	0.00	**4.41**	270.00	0.00	0.00	0.00
20.00	0.64	0.00	0.64	275.00	0.00	0.00	0.00
25.00	0.00	0.00	0.00	280.00	0.00	0.00	0.00
30.00	0.00	0.00	0.00	285.00	0.00	0.00	0.00
35.00	0.00	0.00	0.00	290.00	0.00	0.00	0.00
40.00	0.00	0.00	0.00	295.00	0.00	0.00	0.00
45.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	305.00	0.00	0.00	0.00
55.00	0.00	0.00	0.00	310.00	0.00	0.00	0.00
60.00	0.00	0.00	0.00	315.00	0.00	0.00	0.00
65.00	0.00	0.00	0.00	320.00	0.00	0.00	0.00
70.00	0.00	0.00	0.00	325.00	0.00	0.00	0.00
75.00	0.00	0.00	0.00	330.00	0.00	0.00	0.00
80.00	0.00	0.00	0.00	335.00	0.00	0.00	0.00
85.00	0.00	0.00	0.00	340.00	0.00	0.00	0.00
90.00	0.00	0.00	0.00	345.00	0.00	0.00	0.00
95.00	0.00	0.00	0.00	350.00	0.00	0.00	0.00
100.00	0.00	0.00	0.00	355.00	0.00	0.00	0.00
105.00	0.00	0.00	0.00	360.00	0.00	0.00	0.00
110.00	0.00	0.00	0.00	365.00	0.00	0.00	0.00
115.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00
120.00	0.00	0.00	0.00	375.00	0.00	0.00	0.00
125.00	0.00	0.00	0.00	380.00	0.00	0.00	0.00
130.00	0.00	0.00	0.00	385.00	0.00	0.00	0.00
135.00	0.00	0.00	0.00	390.00	0.00	0.00	0.00
140.00	0.00	0.00	0.00	395.00	0.00	0.00	0.00
145.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00
150.00	0.00	0.00	0.00	405.00	0.00	0.00	0.00
155.00	0.00	0.00	0.00	410.00	0.00	0.00	0.00
160.00	0.00	0.00	0.00	415.00	0.00	0.00	0.00
165.00	0.00	0.00	0.00	420.00	0.00	0.00	0.00
170.00	0.00	0.00	0.00	425.00	0.00	0.00	0.00
175.00	0.00	0.00	0.00	430.00	0.00	0.00	0.00
180.00	0.00	0.00	0.00	435.00	0.00	0.00	0.00
185.00	0.00	0.00	0.00	440.00	0.00	0.00	0.00
190.00	0.00	0.00	0.00	445.00	0.00	0.00	0.00
195.00	0.00	0.00	0.00	450.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	455.00	0.00	0.00	0.00
205.00	0.00	0.00	0.00	460.00	0.00	0.00	0.00
210.00	0.00	0.00	0.00	465.00	0.00	0.00	0.00
215.00	0.00	0.00	0.00	470.00	0.00	0.00	0.00
220.00	0.00	0.00	0.00	475.00	0.00	0.00	0.00
225.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00
230.00	0.00	0.00	0.00	485.00	0.00	0.00	0.00
235.00	0.00	0.00	0.00	490.00	0.00	0.00	0.00
240.00	0.00	0.00	0.00	495.00	0.00	0.00	0.00
245.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00
250.00	0.00	0.00	0.00				
255.00	0.00	0.00	0.00				

Appendix D: Web Soil Survey Map


91° 9' 7" W
91° 8' 31" W
43° 48' 7" N
43° 47' 31" N
648700
648800
648900
649000
649100
649200
649300
649400
4851500
4851400
4851300
4851200
4851100
4851000
4850900
4850800
4850700
4850600
4850500
114B2
1125F
116E2
116D2
601C
133D2
163E2
132B2
132C2
33
F
Soil Map may not be valid at this scale.
Map Scale: 1:5,300 if printed on A portrait (8.5" x 11") sheet.
Meters
0 50 100 200 300
Feet
0 250 500 1000 1500
N
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Lines

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Points

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: La Crosse County, Wisconsin
Survey Area Data: Version 24, Sep 10, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 31, 2020—Sep 2, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
114B2	Mt. Carroll silt loam, 2 to 6 percent slopes, moderately eroded	B	22.5	16.0%
116D2	Churchtown silt loam, 12 to 20 percent slopes, moderately eroded	B	0.0	0.0%
116E2	Churchtown silt loam, 20 to 30 percent slopes, moderately eroded	B	7.2	5.1%
132B2	Brinkman silt loam, 2 to 6 percent slopes, moderately eroded	B	1.4	1.0%
132C2	Brinkman silt loam, 6 to 12 percent slopes, moderately eroded	B	47.1	33.5%
133D2	Valton silt loam, 12 to 20 percent slopes, moderately eroded	C	28.1	20.0%
163E2	Elbaville silt loam, 20 to 30 percent slopes, moderately eroded	C	16.3	11.6%
601C	Beavercreek cobbly fine sandy loam, 3 to 12 percent slopes, occasionally flooded	A	7.0	4.9%
1125F	Dorerton, very stony-Elbaville complex, 30 to 60 percent slopes	B	11.1	7.9%
Totals for Area of Interest			**140.6**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

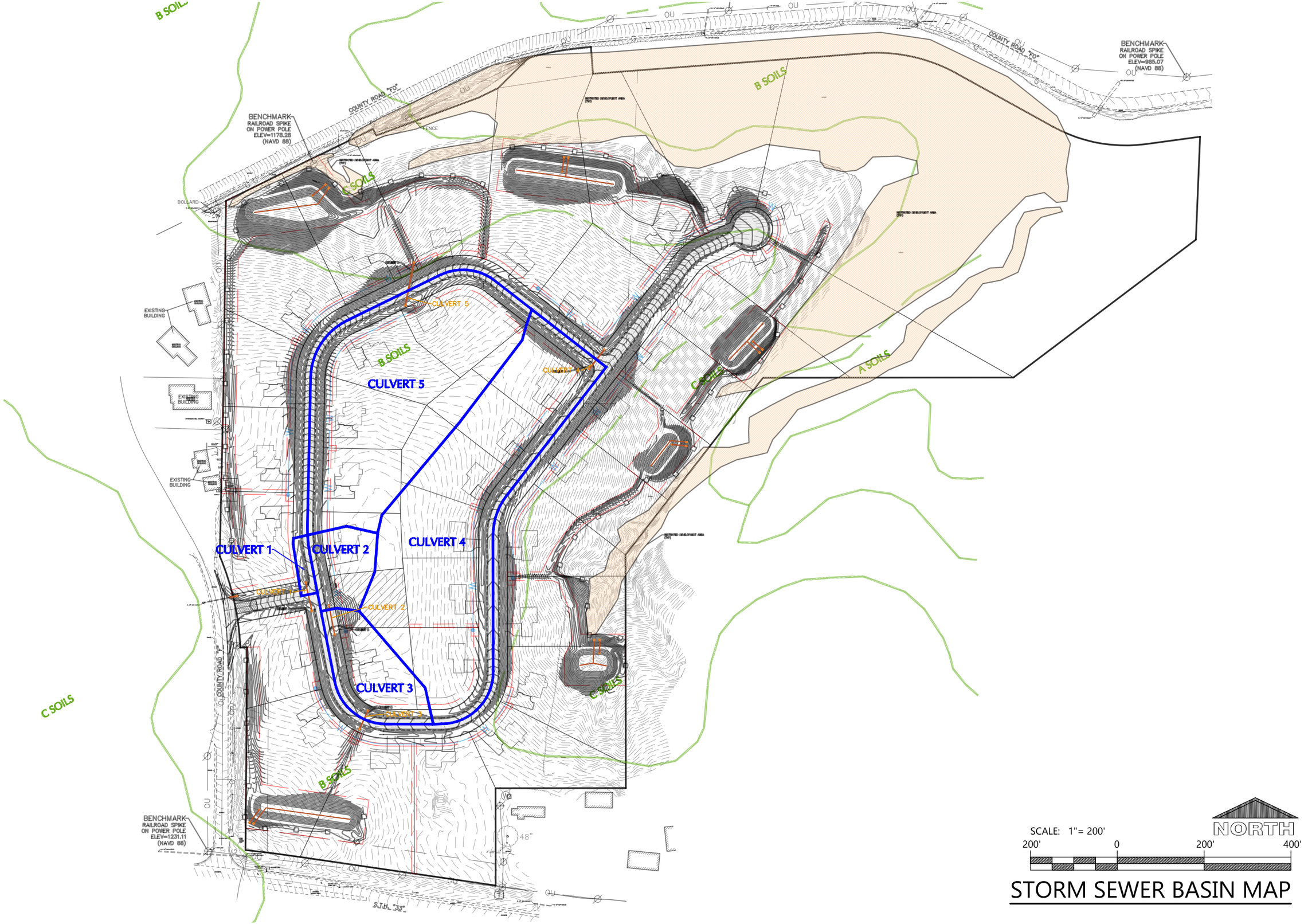
Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Appendix E: Storm Sewer Basin Map



STORM SEWER BASIN MAP

Appendix F: Storm Sewer Culvert Calculations

Culvert Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Monday, Feb 23 2026

Culvert 1 - 25 YR Storm

Invert Elev Dn (ft)	=	1261.52
Pipe Length (ft)	=	70.35
Slope (%)	=	0.50
Invert Elev Up (ft)	=	1261.87
Rise (in)	=	12.0
Shape	=	Circular
Span (in)	=	12.0
No. Barrels	=	1
n-Value	=	0.024
Culvert Type	=	Circular Corrugate Metal Pipe
Culvert Entrance	=	Headwall
Coeff. K,M,c,Y,k	=	0.0078, 2, 0.0379, 0.69, 0.5

Embankment

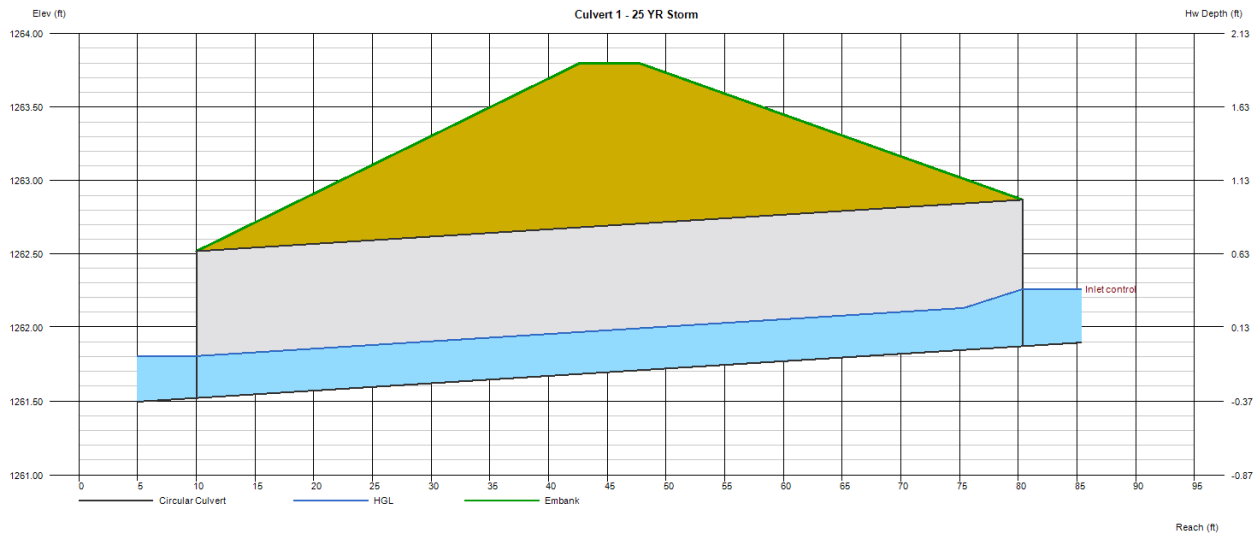
Top Elevation (ft)	=	1263.80
Top Width (ft)	=	5.00
Crest Width (ft)	=	5.00

Calculations

Qmin (cfs)	=	0.47
Qmax (cfs)	=	0.47
Tailwater Elev (ft)	=	0.00

Highlighted

Qtotal (cfs)	=	0.47
Qpipe (cfs)	=	0.47
Qovertop (cfs)	=	0.00
Veloc Dn (ft/s)	=	2.56
Veloc Up (ft/s)	=	2.56
HGL Dn (ft)	=	1261.80
HGL Up (ft)	=	1262.15
Hw Elev (ft)	=	1262.26
Hw/D (ft)	=	0.39
Flow Regime	=	Inlet Control



Culvert Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Wednesday, Feb 18 2026

Culvert 2 - 25 YR Storm

Invert Elev Dn (ft)	=	1260.75
Pipe Length (ft)	=	72.00
Slope (%)	=	0.50
Invert Elev Up (ft)	=	1261.11
Rise (in)	=	12.0
Shape	=	Circular
Span (in)	=	12.0
No. Barrels	=	1
n-Value	=	0.024
Culvert Type	=	Circular Corrugate Metal Pipe
Culvert Entrance	=	Headwall
Coeff. K,M,c,Y,k	=	0.0078, 2, 0.0379, 0.69, 0.5

Embankment

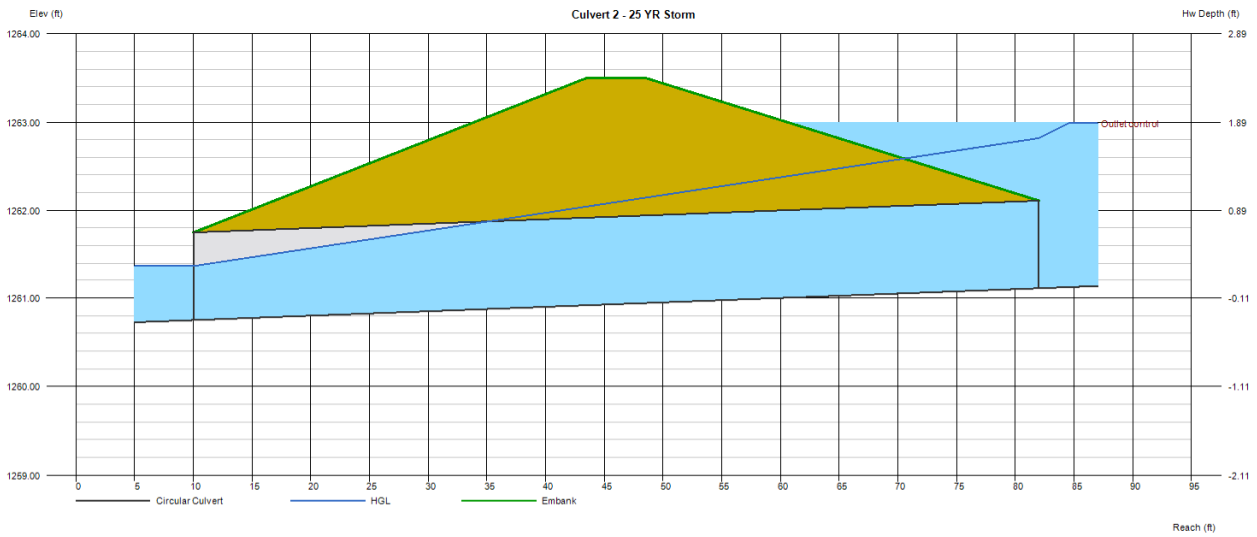
Top Elevation (ft)	=	1263.50
Top Width (ft)	=	5.00
Crest Width (ft)	=	5.00

Calculations

Qmin (cfs)	=	2.11
Qmax (cfs)	=	2.11
Tailwater Elev (ft)	=	0.00

Highlighted

Qtotal (cfs)	=	2.11
Qpipe (cfs)	=	2.11
Qovertop (cfs)	=	0.00
Veloc Dn (ft/s)	=	4.13
Veloc Up (ft/s)	=	2.69
HGL Dn (ft)	=	1261.37
HGL Up (ft)	=	1262.82
Hw Elev (ft)	=	1262.99
Hw/D (ft)	=	1.88
Flow Regime	=	Outlet Control



Culvert Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Monday, Feb 23 2026

Culvert 3 - 25 YR Storm

Invert Elev Dn (ft)	=	1257.05
Pipe Length (ft)	=	50.00
Slope (%)	=	1.00
Invert Elev Up (ft)	=	1257.55
Rise (in)	=	15.0
Shape	=	Circular
Span (in)	=	15.0
No. Barrels	=	1
n-Value	=	0.024
Culvert Type	=	Circular Corrugate Metal Pipe
Culvert Entrance	=	Headwall
Coeff. K,M,c,Y,k	=	0.0078, 2, 0.0379, 0.69, 0.5

Embankment

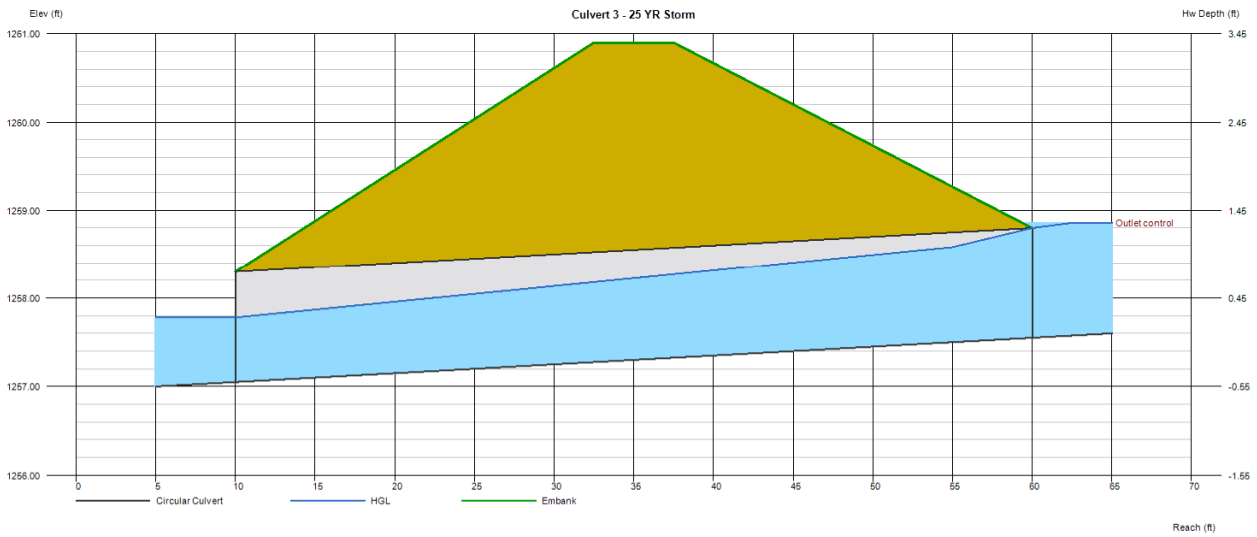
Top Elevation (ft)	=	1260.90
Top Width (ft)	=	5.00
Crest Width (ft)	=	5.00

Calculations

Qmin (cfs)	=	3.29
Qmax (cfs)	=	3.29
Tailwater Elev (ft)	=	0.00

Highlighted

Qtotal (cfs)	=	3.29
Qpipe (cfs)	=	3.29
Qovertop (cfs)	=	0.00
Veloc Dn (ft/s)	=	4.42
Veloc Up (ft/s)	=	2.83
HGL Dn (ft)	=	1257.78
HGL Up (ft)	=	1258.67
Hw Elev (ft)	=	1258.86
Hw/D (ft)	=	1.05
Flow Regime	=	Outlet Control



Culvert Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Monday, Feb 23 2026

Culvert 4 - 25 YR Storm

Invert Elev Dn (ft)	=	1231.15
Pipe Length (ft)	=	60.00
Slope (%)	=	2.25
Invert Elev Up (ft)	=	1232.50
Rise (in)	=	24.0
Shape	=	Circular
Span (in)	=	24.0
No. Barrels	=	1
n-Value	=	0.024
Culvert Type	=	Circular Corrugate Metal Pipe
Culvert Entrance	=	Headwall
Coeff. K,M,c,Y,k	=	0.0078, 2, 0.0379, 0.69, 0.5

Embankment

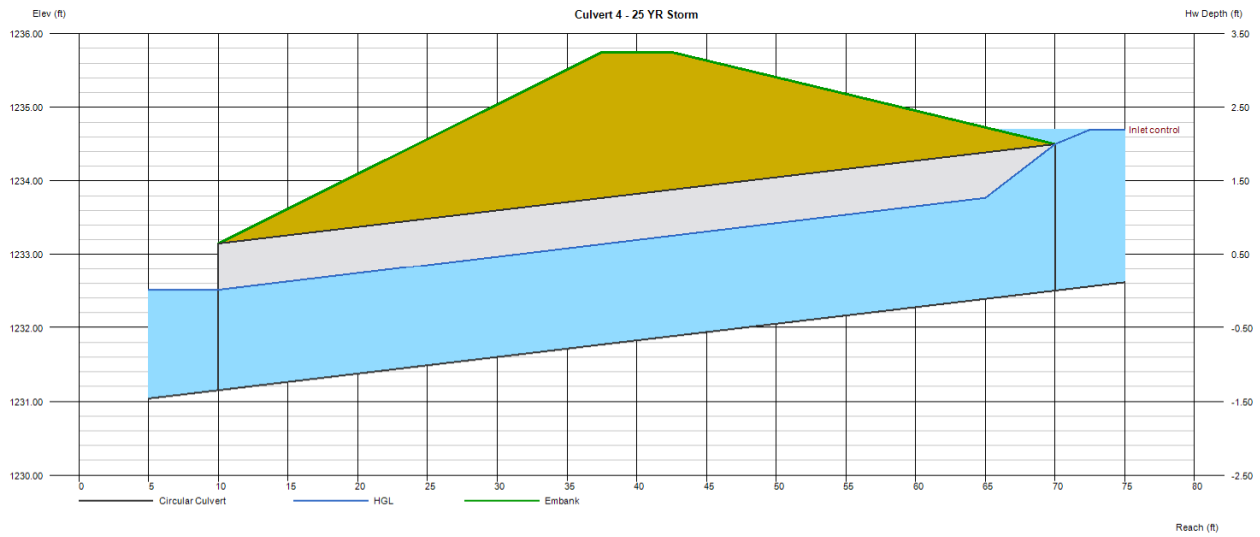
Top Elevation (ft)	=	1235.75
Top Width (ft)	=	5.00
Crest Width (ft)	=	5.00

Calculations

Qmin (cfs)	=	14.78
Qmax (cfs)	=	14.78
Tailwater Elev (ft)	=	0.00

Highlighted

Qtotal (cfs)	=	14.78
Qpipe (cfs)	=	14.78
Qovertop (cfs)	=	0.00
Veloc Dn (ft/s)	=	6.49
Veloc Up (ft/s)	=	6.37
HGL Dn (ft)	=	1232.51
HGL Up (ft)	=	1233.89
Hw Elev (ft)	=	1234.70
Hw/D (ft)	=	1.10
Flow Regime	=	Inlet Control



Culvert Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Monday, Feb 23 2026

Culvert 5 - 25 YR Storm

Invert Elev Dn (ft)	=	1219.00
Pipe Length (ft)	=	104.50
Slope (%)	=	6.70
Invert Elev Up (ft)	=	1226.00
Rise (in)	=	24.0
Shape	=	Circular
Span (in)	=	24.0
No. Barrels	=	1
n-Value	=	0.024
Culvert Type	=	Circular Corrugate Metal Pipe
Culvert Entrance	=	Headwall
Coeff. K,M,c,Y,k	=	0.0078, 2, 0.0379, 0.69, 0.5

Embankment

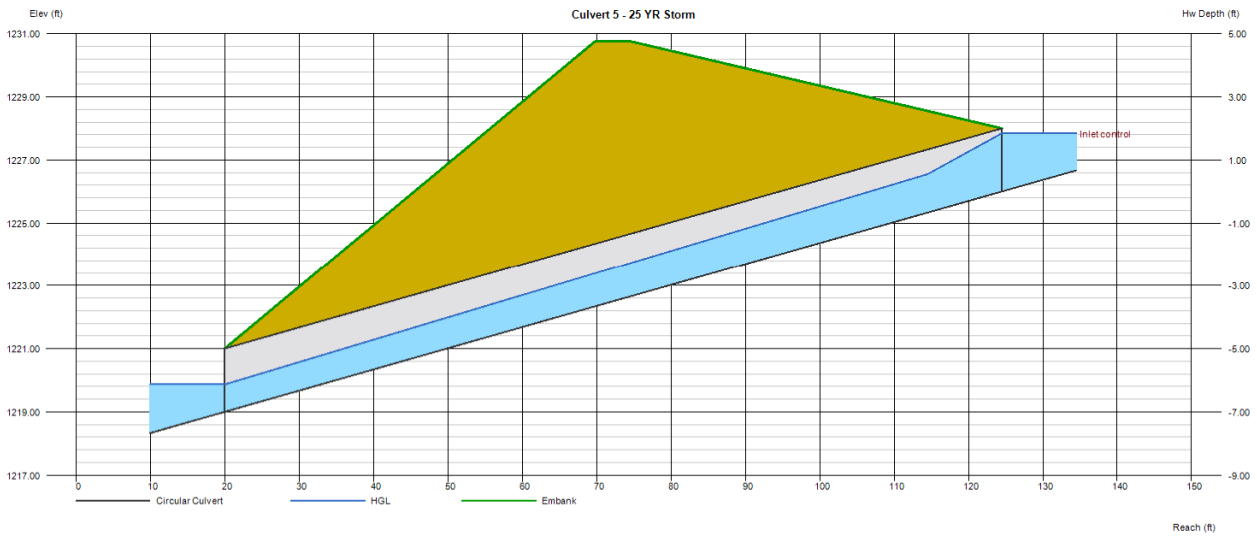
Top Elevation (ft)	=	1230.75
Top Width (ft)	=	5.00
Crest Width (ft)	=	5.00

Calculations

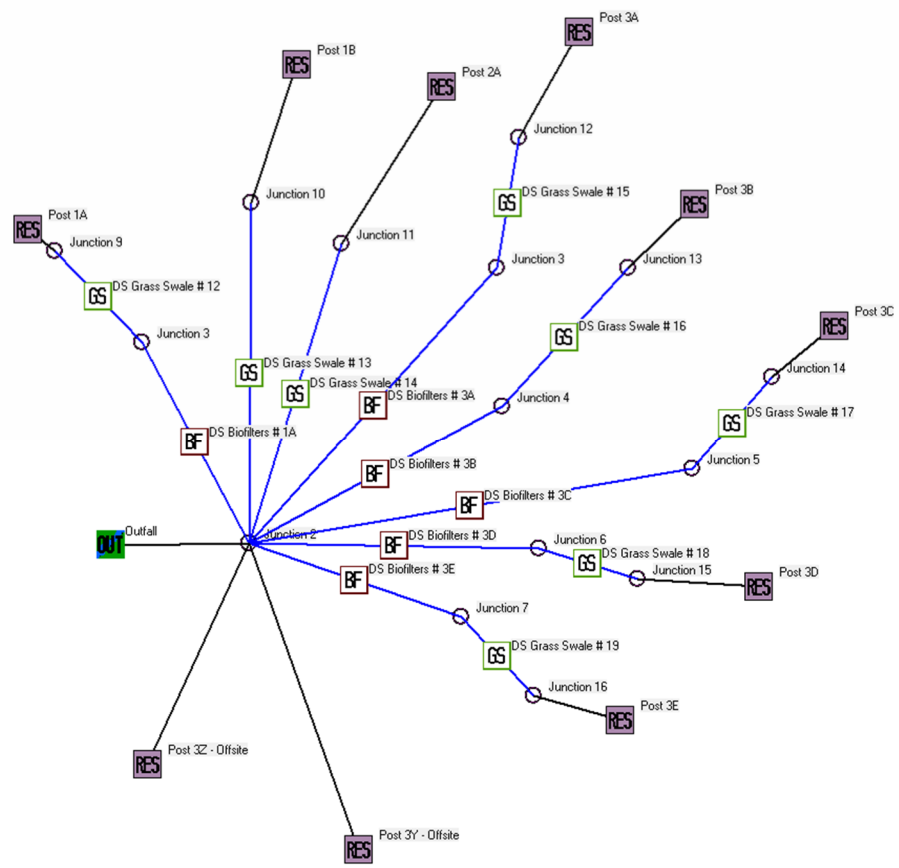
Qmin (cfs)	=	12.22
Qmax (cfs)	=	12.22
Tailwater Elev (ft)	=	0.00

Highlighted

Qtotal (cfs)	=	12.22
Qpipe (cfs)	=	12.22
Qovertop (cfs)	=	0.00
Veloc Dn (ft/s)	=	9.39
Veloc Up (ft/s)	=	5.89
HGL Dn (ft)	=	1219.87
HGL Up (ft)	=	1227.26
Hw Elev (ft)	=	1227.85
Hw/D (ft)	=	0.92
Flow Regime	=	Inlet Control



Appendix G: SLAMM Basin Map & Input/ Output Information



Outfall Output Summary

	Runoff Volume (cu. ft.)	Percent Runoff Reduction	Runoff Coefficient (Rv)	Particulate Solids Conc. (mg/L)	Particulate Solids Yield (lbs)	Percent Particulate Solids Reduction
Total of All Land Uses without Controls	377181		0.09	245.5	5780	
Outfall Total with Controls	304336	19.31 %	0.07	60.50	1150	80.10 %
Current File Output: Annualized Total After Outfall Controls	305172	Years in Model Run:	1.00		1153	

Print Output Summary to .csv File
Print Output Summary to Text File
Print Output Summary to Printer

Total Area Modeled (ac): 34.890

A biofilter will clog. Review biofilter control practice summary tab to determine which biofilter it is.

Total Control Practice Costs

Capital Cost	N/A
Land Cost	N/A
Annual Maintenance Cost	N/A
Present Value of All Costs	N/A
Annualized Value of All Costs	N/A

Perform Outfall Flow Duration Curve Calculations

Receiving Water Impacts Due To Stormwater Runoff

(CWP Impervious Cover Model)

	Calculated Rv	Approximate Urban Stream Classification
Without Controls	0.09	Good
With Controls	0.07	Good

Input Data

Data file name: \\job-files\2025 Job Files\250128900 Weber - Subdivision Planning - Town of Shelby WI\250128904 Civil\storm water report and calculations\slamm\Current - slamm.mdb
WinSLAMM Version 10.5.0
Rain file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WisReg - Madison WI 1981.ran
Particulate Solids Concentration file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\v10.1 WI_AVG01.pscx
Runoff Coefficient file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_SL06 Dec06.rsvx
Residential Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_Res and Other Urban Dec06.std
Institutional Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_Com Inst Indust Dec06.std
Commercial Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_Com Inst Indust Dec06.std
Industrial Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_Com Inst Indust Dec06.std
Other Urban Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_Res and Other Urban Dec06.std
Freeway Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\Freeway Dec06.std
Apply Street Delivery Files to Adjust the After Event Load Street Dirt Mass Balance: False
Pollutant Relative Concentration file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_GEO03.ppdx
Source Area PSD and Peak to Average Flow Ratio File: C:\WinSLAMM Files\NURP Source Area PSD Files.csv
Cost Data file name:
Seed for random number generator: -42
Study period starting date: 01/01/81 Study period ending date: 12/31/81
Start of Winter Season: 12/02 End of Winter Season: 03/12
Date: 02-23-2026 Time: 12:35:52
Site information:

LU# 1 - Residential: Post 1A Total area (ac): 6.030
1 - Roofs 1: 0.480 ac. Pitched Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.250 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.090 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets 1: 0.340 ac. Smooth Street Length = 0.1169 mi Street Width = 23.99487 ft Street Edges = 2
Default St. Dirt Accum. Annual Winter Load = 2500 lbs Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 4.870 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
LU# 2 - Residential: Post 1B Total area (ac): 0.440
37 - Streets 1: 0.050 ac. Smooth Street Length = 0.0172 mi Street Width = 23.98256 ft Street Edges = 2
Default St. Dirt Accum. Annual Winter Load = 2500 lbs Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 0.390 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
LU# 3 - Residential: Post 2A Total area (ac): 0.520
37 - Streets 1: 0.050 ac. Smooth Street Length = 0.0172 mi Street Width = 23.98256 ft Street Edges = 2
Default St. Dirt Accum. Annual Winter Load = 2500 lbs Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 0.470 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
LU# 4 - Residential: Post 3A Total area (ac): 10.600
1 - Roofs 1: 0.800 ac. Pitched Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.460 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.150 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets 1: 0.560 ac. Smooth Street Length = 0.1925 mi Street Width = 24 ft Street Edges = 2
Default St. Dirt Accum. Annual Winter Load = 2500 lbs Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 8.630 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
LU# 5 - Residential: Post 3B Total area (ac): 8.450
1 - Roofs 1: 0.720 ac. Pitched Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.340 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.130 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets 1: 0.490 ac. Smooth Street Length = 0.1891 mi Street Width = 21.37758 ft Street Edges = 2
Default St. Dirt Accum. Annual Winter Load = 2500 lbs Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 6.770 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
LU# 6 - Residential: Post 3C Total area (ac): 2.380
1 - Roofs 1: 0.280 ac. Pitched Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.120 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

31 - Sidewalks 1: 0.060 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets 1: 0.110 ac. Smooth Street Length = 0.1616 mi Street Width = 5.615718 ft Street Edges = 2
Default St. Dirt Accum. Annual Winter Load = 2500 lbs Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 1.810 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
LU# 7 - Residential: Post 3D Total area (ac): 2.370
1 - Roofs 1: 0.240 ac. Pitched Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.120 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.040 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets 1: 0.160 ac. Smooth Street Length = 0.0619 mi Street Width = 21.32472 ft Street Edges = 2
Default St. Dirt Accum. Annual Winter Load = 2500 lbs Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 1.810 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
LU# 8 - Residential: Post 3E Total area (ac): 2.770
1 - Roofs 1: 0.240 ac. Pitched Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.120 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.040 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets 1: 0.120 ac. Smooth Street Length = 0.055 mi Street Width = 18 ft Street Edges = 2
Default St. Dirt Accum. Annual Winter Load = 2500 lbs Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 2.250 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
LU# 9 - Residential: Post 3Y - Offsite Total area (ac): 0.810
1 - Roofs 1: 0.120 ac. Pitched Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.080 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.010 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets 1: 0.080 ac. Smooth Street Length = 0.0413 mi Street Width = 15.98063 ft Street Edges = 2
Default St. Dirt Accum. Annual Winter Load = 2500 lbs Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 0.520 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
LU# 10 - Residential: Post 3Z - Offsite Total area (ac): 0.520
45 - Large Landscaped Areas 1: 0.520 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

Control Practice 1: Biofilter CP# 1 (DS) - DS Biofilters # 1A
1. Top area (square feet) = 11677
2. Bottom aea (square feet) = 4186
3. Depth (ft): 7
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 0.02
6. Random infiltration rate generation? No
7. Infiltration rate fraction (side): 0.01
8. Infiltration rate fraction (bottom): 1
9. Depth of biofilter that is rock filled (ft) 0
10. Porosity of rock filled volume = 0
11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 2
13. Engineered soil porosity = 0.27
14. Percent solids reduction due to flow through engineered soil = 80
15. Biofilter peak to average flow ratio = 3.8
16. Number of biofiltration control devices = 1
17. Particle size distribution file: Not needed - calculated by program
18. Initial water surface elevation (ft): 0

Soil Data Soil Type Fraction in Eng. Soil
User-Defined Media Type 1.000
Biofilter Outlet/Discharge Characteristics:
Outlet type: Sharp Crested Weir
1. Weir length (ft): 0.17
2. Invert elevation above datum (ft): 3
Outlet type: Broad Crested Weir
1. Weir crest length (ft): 20
2. Weir crest width (ft): 10
3. Height of datum to bottom of weir opening: 6
Outlet type: Vertical Stand Pipe

1. Stand pipe diameter (ft): 1
2. Stand pipe height above datum (ft): 5.9

Outlet type: Drain Tile/Underdrain

1. Underdrain outlet diameter (ft): 0.5
2. Invert elevation above datum (ft): 0.25
3. Number of underdrain outlets: 1

Control Practice 2: Biofilter CP# 2 (DS) - DS Biofilters # 3A

1. Top area (square feet) = 15329
2. Bottom aea (square feet) = 6290
3. Depth (ft): 8
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 0.02
6. Random infiltration rate generation? No
7. Infiltration rate fraction (side): 0.01
8. Infiltration rate fraction (bottom): 1
9. Depth of biofilter that is rock filled (ft) 0
10. Porosity of rock filled volume = 0
11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 2
13. Engineered soil porosity = 0.27
14. Percent solids reduction due to flow through engineered soil = 80
15. Biofilter peak to average flow ratio = 3.8
16. Number of biofiltration control devices = 1
17. Particle size distribution file: Not needed - calculated by program
18. Initial water surface elevation (ft): 0

Soil Data Soil Type Fraction in Eng. Soil

User-Defined Media Type 1.000

Biofilter Outlet/Discharge Characteristics:

Outlet type: Sharp Crested Weir

1. Weir length (ft): 0.17
2. Invert elevation above datum (ft): 3

Outlet type: Broad Crested Weir

1. Weir crest length (ft): 20
2. Weir crest width (ft): 10
3. Height of datum to bottom of weir opening: 7

Outlet type: Vertical Stand Pipe

1. Stand pipe diameter (ft): 1
2. Stand pipe height above datum (ft): 6.9

Outlet type: Drain Tile/Underdrain

1. Underdrain outlet diameter (ft): 0.5
2. Invert elevation above datum (ft): 0.25
3. Number of underdrain outlets: 1

Control Practice 3: Biofilter CP# 3 (DS) - DS Biofilters # 3B

1. Top area (square feet) = 12112
2. Bottom aea (square feet) = 3974
3. Depth (ft): 7
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 0.02
6. Random infiltration rate generation? No
7. Infiltration rate fraction (side): 0.01
8. Infiltration rate fraction (bottom): 1
9. Depth of biofilter that is rock filled (ft) 0
10. Porosity of rock filled volume = 0
11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 2
13. Engineered soil porosity = 0.27

14. Percent solids reduction due to flow through engineered soil = 80
15. Biofilter peak to average flow ratio = 3.8
16. Number of biofiltration control devices = 1
17. Particle size distribution file: Not needed - calculated by program
18. Initial water surface elevation (ft): 0

Soil Data Soil Type Fraction in Eng. Soil
User-Defined Media Type 1.000
Biofilter Outlet/Discharge Characteristics:
Outlet type: Sharp Crested Weir
1. Weir length (ft): 0.17
2. Invert elevation above datum (ft): 3

Outlet type: Broad Crested Weir
1. Weir crest length (ft): 20
2. Weir crest width (ft): 10
3. Height of datum to bottom of weir opening: 6

Outlet type: Vertical Stand Pipe
1. Stand pipe diameter (ft): 1
2. Stand pipe height above datum (ft): 5.9

Outlet type: Drain Tile/Underdrain
1. Underdrain outlet diameter (ft): 0.5
2. Invert elevation above datum (ft): 0.25
3. Number of underdrain outlets: 1

Control Practice 4: Biofilter CP# 4 (DS) - DS Biofilters # 3C
1. Top area (square feet) = 5518
2. Bottom aea (square feet) = 1905
3. Depth (ft): 6
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 0.1
6. Random infiltration rate generation? No
7. Infiltration rate fraction (side): 0.01
8. Infiltration rate fraction (bottom): 1
9. Depth of biofilter that is rock filled (ft) 0
10. Porosity of rock filled volume = 0
11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 2
13. Engineered soil porosity = 0.27
14. Percent solids reduction due to flow through engineered soil = 80
15. Biofilter peak to average flow ratio = 3.8
16. Number of biofiltration control devices = 1
17. Particle size distribution file: Not needed - calculated by program
18. Initial water surface elevation (ft): 0

Soil Data Soil Type Fraction in Eng. Soil
User-Defined Media Type 1.000
Biofilter Outlet/Discharge Characteristics:
Outlet type: Sharp Crested Weir
1. Weir length (ft): 0.17
2. Invert elevation above datum (ft): 3

Outlet type: Broad Crested Weir
1. Weir crest length (ft): 20
2. Weir crest width (ft): 10
3. Height of datum to bottom of weir opening: 5

Outlet type: Vertical Stand Pipe
1. Stand pipe diameter (ft): 1
2. Stand pipe height above datum (ft): 4.9

Outlet type: Drain Tile/Underdrain
1. Underdrain outlet diameter (ft): 0.5
2. Invert elevation above datum (ft): 0.25

3. Number of underdrain outlets: 1

Control Practice 5: Biofilter CP# 5 (DS) - DS Biofilters # 3D
1. Top area (square feet) = 3907
2. Bottom aea (square feet) = 741
3. Depth (ft): 7
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 0.02
6. Random infiltration rate generation? No
7. Infiltration rate fraction (side): 0.01
8. Infiltration rate fraction (bottom): 1
9. Depth of biofilter that is rock filled (ft) 0
10. Porosity of rock filled volume = 0
11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 2
13. Engineered soil porosity = 0.27
14. Percent solids reduction due to flow through engineered soil = 80
15. Biofilter peak to average flow ratio = 3.8
16. Number of biofiltration control devices = 1
17. Particle size distribution file: Not needed - calculated by program
18. Initial water surface elevation (ft): 0

Soil Data Soil Type Fraction in Eng. Soil
User-Defined Media Type 1.000

Biofilter Outlet/Discharge Characteristics:

Outlet type: Sharp Crested Weir
1. Weir length (ft): 0.17
2. Invert elevation above datum (ft): 3

Outlet type: Broad Crested Weir
1. Weir crest length (ft): 20
2. Weir crest width (ft): 10
3. Height of datum to bottom of weir opening: 6

Outlet type: Vertical Stand Pipe
1. Stand pipe diameter (ft): 1
2. Stand pipe height above datum (ft): 5.9

Outlet type: Drain Tile/Underdrain
1. Underdrain outlet diameter (ft): 0.5
2. Invert elevation above datum (ft): 0.25
3. Number of underdrain outlets: 1

Control Practice 6: Biofilter CP# 6 (DS) - DS Biofilters # 3E
1. Top area (square feet) = 5272
2. Bottom aea (square feet) = 2517
3. Depth (ft): 6
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 0.02
6. Random infiltration rate generation? No
7. Infiltration rate fraction (side): 0.01
8. Infiltration rate fraction (bottom): 1
9. Depth of biofilter that is rock filled (ft) 0
10. Porosity of rock filled volume = 0
11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 2
13. Engineered soil porosity = 0.27
14. Percent solids reduction due to flow through engineered soil = 80
15. Biofilter peak to average flow ratio = 3.8
16. Number of biofiltration control devices = 1
17. Particle size distribution file: Not needed - calculated by program
18. Initial water surface elevation (ft): 0

Soil Data Soil Type Fraction in Eng. Soil
User-Defined Media Type 1.000
Biofilter Outlet/Discharge Characteristics:
Outlet type: Sharp Crested Weir
1. Weir length (ft): 0.17
2. Invert elevation above datum (ft): 3
Outlet type: Broad Crested Weir
1. Weir crest length (ft): 20
2. Weir crest width (ft): 10
3. Height of datum to bottom of weir opening: 5
Outlet type: Vertical Stand Pipe
1. Stand pipe diameter (ft): 1
2. Stand pipe height above datum (ft): 4.9
Outlet type: Drain Tile/Underdrain
1. Underdrain outlet diameter (ft): 0.5
2. Invert elevation above datum (ft): 0.25
3. Number of underdrain outlets: 1

Control Practice 7: Grass Swale CP# 1 (DS) - DS Grass Swale # 12
Total drainage area (acres)= 6.030
Fraction of drainage area served by swales (ac) = 0.63
Swale density (ft/ac) = 262.35
Total swale length (ft) = 1582
Average swale length to outlet (ft)= 248
Typical bottom width (ft) = 2.0
Typical swale side slope (_H:1V) = 3.0
Typical longitudinal slope (ft.H/ft.V) = 0.020
Swale retardance factor: C
Typical grass height (in) = 2.0
Swale dynamic infiltration rate (in/hr)= 0.010
Typical swale depth (ft) for cost analysis (optional) = 0.0
Particle size distribution file name: Not needed - calculated by program
Use total swale length instead of swale density for infiltration calculations: True

Control Practice 8: Grass Swale CP# 2 (DS) - DS Grass Swale # 13
Total drainage area (acres)= 0.440
Fraction of drainage area served by swales (ac) = 1.00
Swale density (ft/ac) = 615.91
Total swale length (ft) = 271
Average swale length to outlet (ft)= 240
Typical bottom width (ft) = 2.0
Typical swale side slope (_H:1V) = 3.0
Typical longitudinal slope (ft.H/ft.V) = 0.035
Swale retardance factor: C
Typical grass height (in) = 2.0
Swale dynamic infiltration rate (in/hr)= 0.010
Typical swale depth (ft) for cost analysis (optional) = 0.0
Particle size distribution file name: Not needed - calculated by program
Use total swale length instead of swale density for infiltration calculations: True

Control Practice 9: Grass Swale CP# 3 (DS) - DS Grass Swale # 14
Total drainage area (acres)= 0.520
Fraction of drainage area served by swales (ac) = 1.00
Swale density (ft/ac) = 461.54
Total swale length (ft) = 240
Average swale length to outlet (ft)= 200
Typical bottom width (ft) = 2.0
Typical swale side slope (_H:1V) = 3.0

Typical longitudinal slope (ft.H/ft.V) = 0.035
Swale retardance factor: C
Typical grass height (in) = 2.0
Swale dynamic infiltration rate (in/hr)= 0.010
Typical swale depth (ft) for cost analysis (optional) = 0.0
Particle size distribution file name: Not needed - calculated by program
Use total swale length instead of swale density for infiltration calculations: True

Control Practice 10: Grass Swale CP# 4 (DS) - DS Grass Swale # 15
Total drainage area (acres)= 10.600
Fraction of drainage area served by swales (ac) = 0.88
Swale density (ft/ac) = 486.67
Total swale length (ft) = 3250
Average swale length to outlet (ft)= 294
Typical bottom width (ft) = 2.0
Typical swale side slope (_H:1V) = 3.0
Typical longitudinal slope (ft.H/ft.V) = 0.035
Swale retardance factor: C
Typical grass height (in) = 2.0
Swale dynamic infiltration rate (in/hr)= 0.010
Typical swale depth (ft) for cost analysis (optional) = 0.0
Particle size distribution file name: Not needed - calculated by program
Use total swale length instead of swale density for infiltration calculations: True

Control Practice 11: Grass Swale CP# 5 (DS) - DS Grass Swale # 16
Total drainage area (acres)= 8.450
Fraction of drainage area served by swales (ac) = 0.79
Swale density (ft/ac) = 278.63
Total swale length (ft) = 1860
Average swale length to outlet (ft)= 278
Typical bottom width (ft) = 2.0
Typical swale side slope (_H:1V) = 3.0
Typical longitudinal slope (ft.H/ft.V) = 0.030
Swale retardance factor: C
Typical grass height (in) = 2.0
Swale dynamic infiltration rate (in/hr)= 0.010
Typical swale depth (ft) for cost analysis (optional) = 0.0
Particle size distribution file name: Not needed - calculated by program
Use total swale length instead of swale density for infiltration calculations: True

Control Practice 12: Grass Swale CP# 6 (DS) - DS Grass Swale # 17
Total drainage area (acres)= 2.380
Fraction of drainage area served by swales (ac) = 0.72
Swale density (ft/ac) = 466.85
Total swale length (ft) = 800
Average swale length to outlet (ft)= 266
Typical bottom width (ft) = 2.0
Typical swale side slope (_H:1V) = 3.0
Typical longitudinal slope (ft.H/ft.V) = 0.035
Swale retardance factor: C
Typical grass height (in) = 2.0
Swale dynamic infiltration rate (in/hr)= 0.010
Typical swale depth (ft) for cost analysis (optional) = 0.0
Particle size distribution file name: Not needed - calculated by program
Use total swale length instead of swale density for infiltration calculations: True

Control Practice 13: Grass Swale CP# 7 (DS) - DS Grass Swale # 18
Total drainage area (acres)= 2.370

Fraction of drainage area served by swales (ac) = 0.80
Swale density (ft/ac) = 263.71
Total swale length (ft) = 500
Average swale length to outlet (ft)= 280
Typical bottom width (ft) = 2.0
Typical swale side slope (_H:1V) = 3.0
Typical longitudinal slope (ft.H/ft.V) = 0.035
Swale retardance factor: C
Typical grass height (in) = 2.0
Swale dynamic infiltration rate (in/hr)= 0.010
Typical swale depth (ft) for cost analysis (optional) = 0.0
Particle size distribution file name: Not needed - calculated by program
Use total swale length instead of swale density for infiltration calculations: True

Control Practice 14: Grass Swale CP# 8 (DS) - DS Grass Swale # 19
Total drainage area (acres)= 2.770
Fraction of drainage area served by swales (ac) = 0.69
Swale density (ft/ac) = 355.21
Total swale length (ft) = 500
Average swale length to outlet (ft)= 260
Typical bottom width (ft) = 2.0
Typical swale side slope (_H:1V) = 3.0
Typical longitudinal slope (ft.H/ft.V) = 0.035
Swale retardance factor: C
Typical grass height (in) = 2.0
Swale dynamic infiltration rate (in/hr)= 0.010
Typical swale depth (ft) for cost analysis (optional) = 0.0
Particle size distribution file name: Not needed - calculated by program
Use total swale length instead of swale density for infiltration calculations: True

Output Data

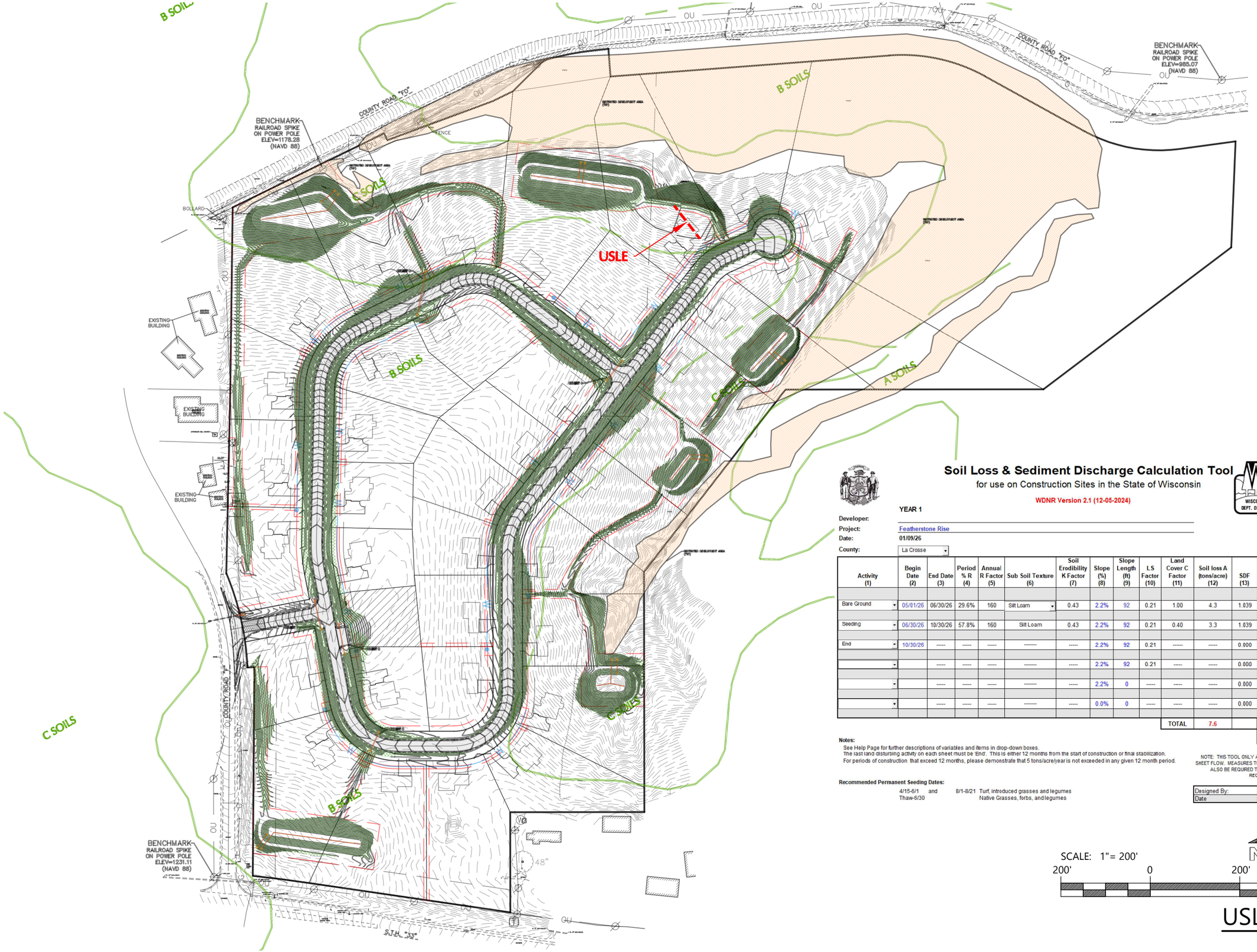
SLAMM for Windows Version 10.5.0
(c) Copyright Robert Pitt and John Voorhees 2019, All Rights Reserved

Data file name: \\job-files\2025 Job Files\250128900 Weber - Subdivision Planning - Town of Shelby WI\250128904 Civil\storm water report and calculations\slamm\Current - slamm.mdb
Data file description:
Rain file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WisReg - Madison WI 1981.ran
Particulate Solids Concentration file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\v10.1 WI_AVG01.pscx
Runoff Coefficient file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_SL06 Dec06.rsvx
Pollutant Relative Concentration file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_GEO03.ppdx
Residential Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_Res and Other Urban Dec06.std
Institutional Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_Com Inst Indust Dec06.std
Commercial Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_Com Inst Indust Dec06.std
Industrial Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_Com Inst Indust Dec06.std
Other Urban Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\WI_Res and Other Urban Dec06.std
Freeway Street Delivery file name: J:\Programs\civil\WinSLAMM\v10.5.0\Parameter Files\Freeway Dec06.std
Apply Street Delivery Files to Adjust the After Event Load Street Dirt Mass Balance: False
Source Area PSD and Peak to Average Flow Ratio File: C:\WinSLAMM Files\NURP Source Area PSD Files.csv
Cost Data file name:
Seed for random number generator: -42
Start of Winter Season: 12/02 End of Winter Season: 03/12
Model Run Start Date: 01/01/81 Model Run End Date: 12/31/81
Date of run: 02-23-2026 Time of run: 12:34:42
Total Area Modeled (acres): 34.890
Years in Model Run: 1.00

	Runoff Volume (cu ft)	Percent Runoff Volume Reduction	Particulate Solids Conc. (mg/L)	Particulate Solids Yield (lbs)	Percent Particulate Solids Reduction
Total of all Land Uses without Controls:	377181	-	245.5	5780	-
Outfall Total with Controls:	304336	19.31%	60.50	1150	80.10%
Annualized Total After Outfall Controls:	305172			1153	

Biofilter # 1 is expected to clog in 11.01 years.. Percent Solids Reduction due to Engineered Media = 80
Biofilter # 2 is expected to clog in 10.13 years.. Percent Solids Reduction due to Engineered Media = 80
Biofilter # 3 is expected to clog in 7.29 years.. Percent Solids Reduction due to Engineered Media = 80
Biofilter # 4 is expected to clog in 6.06 years.. Percent Solids Reduction due to Engineered Media = 80
Biofilter # 5 is expected to clog in 4.89 years.. Percent Solids Reduction due to Engineered Media = 80
Biofilter # 6 is expected to clog in 14.34 years.. Percent Solids Reduction due to Engineered Media = 80

Appendix H: USLE Map and Calculations



Soil Loss & Sediment Discharge Calculation Tool

for use on Construction Sites in the State of Wisconsin

WDNR Version 2.1 (12-05-2024)

WISCONSIN DEPT. OF NATURAL RESOURCES

YEAR 1

Developer:

Project: Featherstone Rise

Date: 01/09/26

County: La Crosse

Version 2.1

Activity (1)	Begin Date (2)	End Date (3)	Period % R (4)	Annual R Factor (5)	Sub Soil Texture (6)	Soil Erodibility K Factor (7)	Slope (%) (8)	Slope Length (ft) (9)	LS Factor (10)	Land Cover C Factor (11)	Soil loss A (tons/acre) (12)	SDF (13)	Sediment Control Practice (14)	Sediment Discharge (t/ac) (15)
Bare Ground	05/01/26	06/30/26	29.6%	160	Silt Loam	0.43	2.2%	92	0.21	1.00	4.3	1.039	Silt Fence	2.7
Seeding	06/30/26	10/30/26	57.8%	160	Silt Loam	0.43	2.2%	92	0.21	0.40	3.3	1.039	Silt Fence	2.1
End	10/30/26	-----	-----	-----	-------	-----	2.2%	92	0.21	-----	-----	0.000	Silt Fence	0.0
		-----	-----	-----	-------	-----	2.2%	92	0.21	-----	-----	0.000		0.0
		-----	-----	-----	-------	-----	2.2%	0	-----	-----	-----	0.000		0.0
		-----	-----	-----	-------	-----	0.0%	0	-----	-----	-----	0.000		0.0
										TOTAL	7.6		TOTAL	4.7
													% Reduction Required	NONE

Notes:

See Help Page for further descriptions of variables and items in drop-down boxes.
The last land disturbing activity on each sheet must be 'End'. This is either 12 months from the start of construction or final stabilization.
For periods of construction that exceed 12 months, please demonstrate that 5 tons/acre/year is not exceeded in any given 12 month period.

NOTE: THIS TOOL ONLY ADDRESSED SOIL EROSION DUE TO SHEET FLOW. MEASURES TO CONTROL CHANNEL EROSION MAY ALSO BE REQUIRED TO MEET SEDIMENT DISCHARGE REQUIREMENTS.

Recommended Permanent Seeding Dates:

4/15-6/1 and Thaw-6/30 — 8/1-8/21 Turf, introduced grasses and legumes; Native Grasses, forbs, and legumes

Designed By:	JEC
Date	1/9/2026

SCALE: 1"= 200'

200' 0 200' 400'

NORTH

USLE MAP

DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS FOR [FEATHERSTONE RISE] SUBDIVISION

Name and Return Address:

Michelle W. Ebben, Esq.
Michael Best & Friedrich LLP
790 N. Water Street, Ste. 2500
Milwaukee, WI 53202

This Declaration of Covenants, Conditions and Restrictions ("Declaration") is made this ___ day of _____, 2026 by **[insert entity name] LLC**, a Wisconsin limited liability company ("Developer").

RECITALS

WHEREAS, Developer is the owner of all the real estate located in the [Featherstone Rise] Subdivision to the Town of Shelby, La Crosse County, Wisconsin, and legally described in Exhibit A attached hereto ("Property"); and

WHEREAS, Developer desires to make the Property subject to all of the covenants, conditions and restrictions of this Declaration for the purpose of protecting the value and desirability of the Property.

NOW THEREFORE, Developer hereby declares that the Property is and shall be subject to all of the provisions of this Declaration and shall be held, owned, sold, transferred, conveyed, hypothecated, encumbered, leased, occupied, built upon and otherwise used, improved, and maintained subject to all of the provisions of this Declaration, which provisions shall run with the title to the Property and shall be binding upon and inure to the benefit of Developer and all Owners of the Property.

DRAFT

ARTICLE I
DEFINITIONS

As used throughout this Declaration, the following terms shall have the meanings set forth below, which meanings shall be applicable to both the singular and plural forms and tenses of such terms:

1.01. ARC. The term “ARC” shall mean the architectural review committee as established herein.

1.02. Declaration. The term "Declaration" shall mean this Declaration of Covenants, Conditions and Restrictions and all amendments thereto.

1.03. Developer. The term "Developer" shall mean [insert entity name] LLC, a Wisconsin limited liability company, its successors and assigns.

1.04 Improvement. The term “Improvement” shall mean and refer to any building, structure, object or device constructed, erected or placed upon any Lot which in any way affects the exterior appearance of the Lot. Improvements shall include by way of illustration and not limitation, buildings, sheds, foundations, structures, mailboxes, decks, patios, swimming pools, sidewalks, utility lines, roads, driveways, walkways, paving, curbing, parking areas, grading, excavation, trees, shrubbery, landscaping, fences, exterior lighting, screening, walls, signs and any other man-made changes or alterations to the condition of the Lot on the date of this Declaration.

1.05. Lot. The term "Lot" shall mean any of the Lots in [Featherstone Rise] Subdivision to the Town of Shelby, La Crosse County, Wisconsin, as legally described herein, and any Improvements located thereon. In the event that any Lots are combined or subdivided pursuant to Article 9.02 hereof, then each new parcel created by said approved combination or subdivision shall thereafter be considered a Lot.

1.06. Occupant. The term "Occupant" shall mean and include any Owner and the family members, guests, tenants, agents, servants, employees and invitees of any Owner, and any other person who occupies or uses any Lot. All actions or omissions of any Occupant are and shall be deemed the actions or omissions of the Owner.

1.07. Owner. The term "Owner" or “Owners” shall mean and refer to the record owner, including Developer, of fee simple title to any Lot. A land contract purchaser shall be considered an Owner after the date of closing of the land contract.

1.08. Property. The term "Property" shall have the meaning ascribed to it in the Recitals.

ARTICLE II
EASEMENTS

2.01. Reservation of General Access Easement. Developer does hereby establish and reserve for itself and the ARC and their respective agents, employees, successors and assigns, a permanent

and perpetual non-exclusive easement appurtenant over, across, through and upon each Lot for the purpose of providing ingress to and egress from each Lot for: (a) inspecting each Lot in order to determine compliance with the provisions of this Declaration and (b) taking any action permitted to be taken by Developer or the ARC pursuant to any of the provisions of this Declaration. Upon completion and occupancy of any residence, except in the event of emergencies, the foregoing easement shall be utilized only during normal business hours and then, whenever practicable, only upon advance notice to the Owner or Occupant of such residence.

2.02. Reservation of Easement for Stormwater Drainage. Developer does hereby reserve for itself and the ARC and their respective agents, employees, successors and assigns, for the benefit of all Owners of any portion of the Property, the right to grant a permanent and perpetual non-exclusive easement appurtenant over, across, through and upon each Lot for the flow of stormwater in such locations as necessary to protect the Property. No Owner shall develop their respective Lot in such a way that negatively impacts the flow of any swale or drainage way so as to impede the flow of surface water from or onto other Lots. The easement right reserved herein shall include the right to excavate, grade and fill and to otherwise take all other action reasonably necessary to establish appropriate stormwater drainage patterns; provided, however, that such easement does not impose any duty or obligation upon Developer or the ARC to perform any of the foregoing actions.

2.03. Reservation of Utility Easements. Developer hereby reserves the rights to grant to the Town of Shelby, City of La Crosse, and/or La Crosse County any public or semi-public utility companies, easements and rights-of-way for the erection, construction, and maintenance of all poles, wires, pipes, and conduits for the transmission of electricity, gas, water, telephone, and for other purposes, for sewers, stormwater drains, gas mains, water pipes and mains, and similar services and for performing any public or quasi-public utility function that Developer may deem fit and proper for the improvement and benefit of the Property. Such easements and rights-of-way shall be confined, so far as possible in underground pipes or other conduits, with the necessary rights of ingress and egress and with the rights to do whatever may be necessary to carry out the purposes for which the easement is created.

ARTICLE III
ARCHITECTURAL REVIEW COMMITTEE AND APPROVALS

3.01. Purpose of the ARC. The purpose of the ARC shall be to approve, approve with conditions or disapprove any plans and specifications for any proposed Improvement that are submitted to the ARC, to respond to inquiries from any Owner regarding this Declaration and to take any enforcement or other action that is both authorized by this Declaration and deemed appropriate by the ARC in the circumstances.

3.02. Composition of the ARC. The ARC shall consist initially of the Developer. Developer may appoint up to two additional members to serve on the ARC with Developer. Any members so appointed may be removed by Developer at any time. Developer and any members appointed by Developer shall cease to be members of the ARC on a date that is one year after the first day on which Developer no longer owns any portion of the Property. Notwithstanding the above, Developer may resign from the ARC (which resignation shall also be effective for any members appointed by Developer) by giving written notice to each Owner.

3.03. Continuation of the ARC. If a majority of the Owners wish to continue the ARC beyond the date Developer and members appointed by Developer cease to be members of the ARC, then the Owners shall elect three (3) Owners to serve on the ARC. One Owner shall be elected for a one-year term, one for a two-year term, and one for a three-year term. Thereafter one Owner shall be elected or re-elected each year for a three-year term to take the place of the Owner whose term is expiring. Said elections shall be by majority vote of the Owners present in person or by proxy at a meeting of Owners called by written notice for this purpose.

3.04. Procedure and Meetings. While Developer serves as a member of the ARC, meetings shall be held at such time and place as Developer determines is necessary to conduct the business of the ARC. Thereafter the scheduling of meetings shall be determined by the members of the ARC. A majority of the members shall constitute a quorum of the ARC for the transaction of business and the affirmative vote of a majority of those members present in person or by proxy at a meeting of the ARC shall constitute the action of the ARC on any matter which comes before it. The ARC shall have the right from time to time to adopt and establish such rules and regulations as may be determined to be necessary concerning the procedure, notice of meetings and all other matters concerning the conduct of the business of the ARC.

3.05. Approval of Plans and Specifications.

A. No Improvement (as defined in Article 1.04) of any kind shall be erected, installed, placed, moved onto, altered, replaced, relocated, permitted to remain on or maintained on any Lot unless plans and specifications therefore have been submitted to and approved by the ARC.

B. The ARC is hereby authorized and empowered to approve, approve with conditions or disapprove all plans and specifications for any Improvements on any part of the Property. Prior to commencement of any Improvement on any Lot, the Owner thereof shall submit to the ARC plans and specifications and all related information requested by the ARC for the purpose of evaluating the proposed Improvement. It is the sole responsibility of the Owner to consult with the ARC to determine what information the ARC believes is necessary to adequately evaluate the proposed Improvement.

C. The ARC shall, in its sole discretion, approve, approve with conditions or disapprove any proposed Improvement. Notwithstanding anything herein to the contrary, no ARC approval is required for an Owner to make interior improvements and alterations that do not affect exterior appearance.

D. The ARC's decision to approve, approve with conditions or disapprove any proposed Improvement may be based on any grounds that the ARC believes in good faith to be appropriate, including but not limited to purely aesthetic considerations, failure to comply with any provisions of this Declaration, failure to provide requested information, objection to exterior design, appearance or materials, objection on the grounds of incompatibility with other Improvements on the Property, objection to the landscaping plan, color scheme, finish, proportions, style of architecture, height, bulk or appropriateness of any Improvement or any

other matter which, in the sole judgment of the ARC, would render the proposed Improvement inappropriate for the Property. Approval of plans and specifications by the ARC for Improvements to one particular Lot shall not be deemed an approval, or otherwise obligate the ARC to approve similar plans and specifications or any of the features or elements thereof for any other Lot.

E. In the event the ARC fails to approve plans and specifications for any proposed Improvement within thirty (30) days after receipt by the ARC, then those plans and specifications will be deemed to have been disapproved.

F. Any revisions, modifications or changes to any plans and specifications previously approved by the ARC must be approved in the same manner as the original plans and specifications.

G. If construction of approved Improvements has not substantially commenced within one year of approval, then the original approval shall be void and the Owner shall resubmit all plans and specifications to the ARC for approval in the manner specified above.

H. It is the sole responsibility of the Owner to secure approval for all aspects of any proposed Improvement. Any Improvement that is constructed, erected or placed on any Lot without approval of the ARC shall be deemed disapproved for a period of three years from the date of completion of the Improvement. In the event that an action for enforcement with respect to the disapproved Improvement is not undertaken pursuant to Article VIII of this Declaration within three years of the date of completion, then that Improvement shall be deemed approved. Notwithstanding the above, the ARC shall have the authority, in its sole discretion, to approve an Improvement after its completion, if the ARC believes the Improvement would have been approved had the appropriate plans and specifications been submitted to the ARC prior to the start of the Improvement.

3.06. ARC Not Continued. In the event that the Owners do not continue the ARC as permitted by Article 3.03 hereof beyond the date Developer and members appointed by Developers cease to be members of the ARC, then the approvals under Article 3.05 hereof are no longer required. However, regardless of the existence of the ARC, the restrictions contained in Article IV are applicable to all Improvements.

3.07. No Implied Variance. The approval of any plans and specifications under this Article III shall not be presumed to grant any variance from the provisions of Article IV of this Declaration, unless the specific provisions of Article 4.18 are also complied with.

3.08. Subsurface Conditions. The approval of plans and specifications by the ARC for any Improvements on a Lot shall not be construed in any respect as a representation or warranty by the ARC to the Owner submitting such plans and specifications or to any of the successors or assigns of such Owner that the surface or subsurface conditions of such Lot are suitable for the construction of the Improvements contemplated. It shall be the sole responsibility of each Owner to determine the suitability and adequacy of the surface and subsurface conditions of any Lot for the construction of any Improvements contemplated thereon.

ARTICLE IV
USE AND DEVELOPMENT RESTRICTIONS AND ARCHITECTURAL STANDARDS

4.01. General Use Restrictions.

A. Each Lot shall be used for residential use only as permitted by local zoning. All single-family homes that are one-story dwellings constructed on a Lot shall consist of at least 1,600 square feet of living space, exclusive of garages and porches. All single- family homes that are two-story dwellings constructed on a Lot shall consist of at least 1,800 square feet of living space, exclusive of garages and porches. All single-family homes that are split level or multi-story dwellings constructed on a Lot shall consist of at least 1,200 square feet ground floor area, exclusive of garages and porches. All single- family homes constructed on a Lot shall have a minimum value of $500,000.00 at the time of construction.

B. Accessory buildings and detached garages may also be permitted subject to these Declarations, approval of the ARC, and local ordinances. Accessory buildings shall be erected with stick framing, framed within a foundation to code, and aesthetically blend in with the house on the Lot. No mobile home, travel trailer, motorhome, tent, shack, garage, barn or other accessory building shall be used as a temporary or permanent residence for any Occupant. No portable or metal accessory buildings, playhouses, or other play structure are permitted on any Lot.

C. No trade or business of any kind may be carried on, in or from any Lot. The use of any portion of a Lot as an office by an Owner or Occupant shall not be considered a violation of this Declaration if such use does not create customer, client or employee traffic on or around the Lot. No building previously erected elsewhere shall be moved onto any Lot.

D. No fences shall be installed without approval by the ARC. No chain link fences shall be permitted on any Lot. No fences shall be installed in easement areas. Wood and vinyl fences will be allowed if approved by the ARC and cannot exceed six (6) feet in height. The selection and type of mailboxes shall be approved by the ARC.

E. All Owners shall keep the Lot and all Improvements in neat and clean condition, including but not limited to repainting, residing, refinishing, staining, and re-roofing when the same becomes worn or deteriorated.

4.02 Underground Utilities. All utility lines, conduit and wiring for electrical, gas, telephone, water, sewer, cable television, security and any other utility service for any portion of the Property shall be installed and maintained below ground. Above ground tanks for fuel or water are prohibited.

4.03 Utility Meters and HVAC Equipment. All utility meters, HVAC equipment, electrical transformers, telephone and cable television pedestals or junction boxes located on any Lot shall, to the extent practicable, be located on the side or rear of the house and screened from view.

4.04 Lot Corners. Owner shall promptly cause to be replaced by a licensed surveyor any Lot

corner monuments which are removed or displaced during construction of Owner's Improvements. All Lot corner monuments are to remain in place and visibly marked.

4.05 Satellite Dishes and Antennae. One satellite dish not greater than eighteen inches (18") in diameter may be attached to the house or mounted adjacent to the house so long as it is of a neutral color and the highest portion of the dish is lower than the nearest roof peak. No other satellite dishes, radio antenna, radio receiver, aerial or other similar device may be installed on any Lot unless it is contained entirely within the interior of a building and is not visible from any street or other Lot.

4.06 Building Setbacks. The Owner shall comply with all Town of Shelby setback requirements. In addition, any garage door facing a street must be not more than twelve (12) feet closer to the street than the front façade of the house and shall not be wider than necessary to accommodate three vehicles. Notwithstanding the above, the exact location, both horizontal and vertical, of any Improvement on any Lot shall be subject to the approval of the ARC.

4.07 Vehicles, Machinery and Equipment. Motorhomes, mobile homes, any vehicles not normally used by the general public for daily passenger use, trailers of any kind, campers, motorcycles, bicycles, motorized carts and all-terrain vehicles, lawn mowers, tractors, tools, construction machinery and equipment of any nature, golf carts, boats and any other type of watercraft, including boat trailers, inoperable vehicles of any type and any other similar types of vehicles, machinery and equipment shall not be permitted, stored or allowed to remain on any Lot unless the same is placed, stored and maintained within a fully enclosed structure on such Lot. No vehicle shall be parked on any non-paved area. No Owner or Occupant shall repair or restore any vehicle, machinery or equipment on any Lot except within enclosed garages or workshops or for emergency repairs only.

4.08 Driveways and Parking Areas. All driveways, sidewalks, and parking areas on any Lot shall be constructed of concrete and approved by the ARC. Each Owner, at the Owner's expense, shall install a sidewalk on near the boulevard of the Lot of a size and location as required by the Town of Shelby and as approved by ARC.

4.09 Street Trees. The Owner shall install and maintain (including prompt replacement of dead or diseased trees) at the Owner's cost, street trees in all boulevard areas of a size and type and in locations permitted by the Town of Shelby.

4.10. Lawn Areas. All areas of the lawn located between the house and any street, and all side yard areas extending to the rear corner of the house and rear yards, shall be sodded within thirty (30) days of issuing of the occupancy permit. Rear yards may be seeded at the discretion of the ARC. All Owners shall be required to control and maintain weeds and grasses on the Lot and Town of Shelby right of ways. Additional time to complete the landscaping may be granted by the ARC if weather conditions prevent completion within the prescribed time. All lawns shall be kept in neat trimmed condition.

4.11. Windows and Window Treatments. Reflective window coverings are not permitted on the exterior of any windows. No window treatments are permitted except shades, blinds or other materials designed, manufactured and intended for that specific use. Windows and window

treatments visible from the exterior are considered Improvements subject to the provisions of Article 3.05 of this Declaration.

4.12. Exterior Lighting. All exterior lighting should be directed downward and shielded in a manner that minimizes the impact on other Lots. Exterior lighting not attached to the house or Improvements shall be approved by ARC. No post lights or mercury vapor lights. Exterior lights shall be "shoe box" style or other covered lens.

4.13. Play Equipment. Children's toys, swing sets, jungle gyms and similar outdoor recreational equipment shall be approved only in the rear yard.

4.14. Signage. No sign of any kind shall be displayed to the public view on any Lot except one (1) sign of not more than three (3) square feet located in the front yard advertising said Lot for sale or advertising the name of the home builder during the construction period. Owners may have temporary holiday decorations on the exterior of a dwelling provided the decorations are not obnoxious and/or offensive as determined by the ARC in its sole and absolute discretion.

4.15. Clotheslines. Clotheslines that are installed and extended in a permanent manner are not permitted. Clotheslines that can be installed or extended on a temporary basis are permitted, so long as they are promptly removed when not in use.

4.16. Noxious Practices. No noxious or offensive activity or practice shall be carried on upon the Property nor any Lot, nor shall any activity or practice become an annoyance or nuisance to other Owners or Occupants. Rubbish, trash, garbage and other waste shall be kept in clean and sanitary containers and stored within a garage. Outside storage of garbage or recycling bins is strictly prohibited.

4.17. Objectionable Colors for Homes. Variety in colors and multiple colors on a home are encouraged. However, the ARC, in its sole and absolute discretion, may prohibit individual colors or color schemes it regards as objectionable that create disharmony amongst the Lots. Colors on a home shall be assessed by ARC in accordance with Article 4.23 below. In all instances, fluorescent colors are prohibited on a home.

4.18. Variances. The ARC, in its sole and absolute discretion, shall have the exclusive right to grant variances with respect to this Article IV. A request for a variance shall be submitted to the ARC by the Owner in writing. No variance shall be effective unless granted by the ARC in writing. The approval of any plans and specifications under the procedure established in Article III of this Declaration shall not be presumed to grant any variance unless specifically granted under the provisions of this Article 4.18.

4.19. Animals. No domestic animals, chickens or other fowl may be kept on the Lot, except Owner may keep up to a total of two (2) dogs or cats. All dog kennels must be approved by the ARC and must be screened in with fencing subject to the restrictions of Article 4.01.

4.20. Roofing. No raw aluminum or galvanized material is permitted. No solar or energy collection panels or equipment shall be installed without approval of the ARC. All heating vents

or other projection of any nature that are placed on the roof shall be of a color that closely matches the roofing material. Roofs shall be asphalt, steel or tile. Fascia shall be aluminum, steel or wood.

4.21. Swimming Pools. Swimming pools shall be limited to in-ground type and no above ground pools. All pools must be enclosed by a fence with a minimum height of six feet and have a gate that must be secured. Above-ground pools may be allowed at the discretion of the ARC, when adequately screened from view of neighboring Lots. Under no circumstances will an above-ground pool be permitted if it extends above the existing grade by more than eighteen inches. All swimming pool construction and installation must be done in accordance with Town of Shelby Ordinances.

4.22. Exterior Siding. Exterior siding shall be aluminum, steel, vinyl, wood, brick, stone or stucco.

4.23. Colors. Homes shall not be built with more than four (4) colors, including. All colors are subject to the approval of the ARC. The following colors are acceptable tones to consider as an Owner prepares to erect a home or any other Improvement on their respective Lot:

A. Main Color: Subtle hues of muted/grayed earth tones of beige, tan, brown, rust, rose, gray-green, gray-blue, gray, dark tones, white and off-whites.

B. Accent Colors: carefully related earth tones, grayed or muted colors, and white.

ARTICLE V
OWNER'S RESPONSIBILITIES

5.01. Approvals. It is the sole responsibility of the Owner to secure approval for all aspects of any proposed Improvement. In the event that any Improvement or aspect thereof is constructed, erected or placed on any Lot without approval of the ARC, and the ARC requests removal of said Improvement, the Owner will comply with said request promptly and restore the disturbed portion of the Lot to its condition prior to commencement of the Improvement.

5.02. Construction Period. During the construction of any Improvements, all Lots shall be maintained in a clean condition, free of debris and waste material. All unused construction materials shall be stored, to the extent practicable, out of view from any street. All construction trash, debris and rubbish shall be properly disposed of off of the Property or contained within a dumpster.

5.03. Commencement and Completion of Construction. Upon commencement of construction of any Improvement, work thereon shall be prosecuted diligently and continuously and shall be completed within one (1) year of the commencement date of said construction.

5.04. Erosion Control. No Owner shall allow dirt, mud, gravel or other substances to collect or remain on any street or on any other Lot. Each Owner shall cause all such dirt, mud, gravel and other substances to be removed from the treads and wheels of all vehicles used in or related to the construction of Improvements prior to such vehicle traveling on any street adjacent to the Property.

Each Owner shall install and maintain at the Owner's cost all erosion control measures requested by the ARC, Town of Shelby, La Crosse County, or the Developer for the purpose of preventing soil material from eroding from the Owner's Lot onto adjacent Lots or the street. Regardless of the foregoing, it shall be the Owner's responsibility to promptly clean up, repair and restore any damage caused by erosion from the Owner's Lot to adjacent Lots or the street.

5.05. General Maintenance. The Owner shall maintain all Improvements, including but not limited to all structures of any kind and all landscaping, in a neat, clean and sanitary condition at all times. Dead or diseased vegetation, stumps, weeds, rubbish, debris, garbage and waste material shall be promptly removed from each Lot.

ARTICLE VI
CASUALTY AND CONDEMNATION

6.01. Damage or Destruction. In the event of any fire or any other casualty which damages or destroys any portion of any Lot, the Owner shall promptly repair and otherwise restore such Lot to the condition in which the same existed immediately prior to such damage; provided, however, that any such restoration or repair shall be subject to compliance with all of the terms and provisions of this Declaration. In the event of complete destruction of the Improvement, then the Owner shall promptly clear away any remaining debris and shall leave such Lot and any remaining Improvements in a clean, orderly and safe condition.

6.02. Condemnation of Lots or Dwellings. In the event that all or any portion of a Lot is taken as a result of in lieu of or in anticipation of the exercise of the right of eminent domain or condemnation, then, to the extent practicable, the Owner of such Lot shall promptly repair, reconstruct, rebuild and otherwise restore the remaining portions of the Lot subject to such taking as nearly as practicable to the condition in which the same existed immediately prior to such taking; provided, however, that any such restoration shall be subject to compliance with all of the terms and provisions of this Declaration. In the event the restoration is impracticable or would otherwise violate any of the terms and provisions of this Declaration, then such Owner shall promptly clear away any remaining Improvements damaged or destroyed by such taking and shall leave such Lot and any remaining Improvements in a clean, orderly and safe condition.

ARTICLE VII
TERM AND AMENDMENTS

7.01. Term. The covenants, conditions and restrictions set forth in this Declaration shall run with and bind all of the Property, shall inure to the benefit of all Owners and their heirs, executors, personal representatives, administrators, successors and assigns, and shall be and remain in effect for a period of thirty (30) years from and after the date hereof, after which time this Declaration shall be automatically renewed and extended for successive and continuous periods of ten (10) years each, unless an agreement executed by the Owners of at least two-thirds or more of the Lots agreeing to terminate or modify this Declaration has been recorded in the office of the Register of Deeds of La Crosse, County, Wisconsin.

7.02. Amendment by Developer. So long as Developer is also an Owner, as defined in Article

1.07 of this Declaration, Developer may amend this Declaration by a written instrument filed and recorded in the office of the Register of Deeds of La Crosse County, Wisconsin, without obtaining the approval of any other Owner. Any amendment made pursuant to this Article 7.02 shall be certified by Developer and shall be effective upon recording. Each Owner, by acceptance of a deed or other conveyance to a Lot, agrees to be bound by all amendments permitted by this Article 7.02 and further agrees that, if requested to do so by Developer, such Owner will consent in writing to such amendment.

7.03. Amendment by Owners. Except for amendments under Article 7.02 hereof, any amendments to this Declaration shall be executed by the Owners of at least two-thirds of the Lots, shall be consented to by Developer if Developer owns any of the Lots, and shall be recorded in the office of the Register of Deeds of La Crosse County.

ARTICLE VIII
ENFORCEMENT

8.01 Enforcement. In the event any of the provisions of this Declaration are breached or are otherwise not being complied with in all respects by the Owner or Occupant or the respective family members, guests, invitees, agents, employees or contractors of such Owner or Occupant, then the Developer or the ARC shall have the right and authority, at its option to (a) enjoin such violation or non-compliance and/or (b) through their designated agent, employees, representatives and independent contractors, enter upon such Lot or dwelling thereon and take all action necessary to extinguish or correct such violation or breach. Any other Owner or Owners shall have the right and authority, at its/their option, to enjoin such violation or non-compliance.

8.02 Costs of Enforcement. All costs and expenses incurred by the ARC or Developer in enforcing any of the provisions of this Declaration that are in violation or non-compliance including without limitation, attorney fees, court costs, expenses and witness fees, shall be paid by such Owner who has violated or breached any of the provisions of this Declaration. Non-payment of the costs and expenses by the Owner who has violated or breached the provisions shall constitute a lien upon the premises of the Owner's Property, wherein the breach or non-compliance has occurred. Costs and expenses incurred by an Owner or Owners seeking enforcement for violations or non-compliance shall be determined by the Court finding a violation or noncompliance of any provisions of this Declaration.

ARTICLE IX
MISCELLANEOUS PROVISIONS

9.01. Rezoning. No owner may rezone their respective Lot nor any other portion of the Property without permission of the ARC.

9.02. Further Subdivision. No Lot or Lots may be combined or subdivided without the prior written consent of the ARC. Further, any approved combination or subdivision of a Lot shall comply with all applicable municipal and/or county ordinances related thereto.

9.03. Severability. If any provisions of this Declaration or the application thereof to any person or circumstance shall, to any extent, be invalid or unenforceable, the remainder of this Declaration

or the application of such provisions to persons or circumstances other than those as to which it is held invalid or unenforceable shall not be affected thereby and each provision shall be valid and enforceable to the fullest extent permitted by law.

9.04. Captions and Headings. The captions and headings contained in this Declaration are for convenience of reference only and shall not be used in the construction or interpretation of any provisions of this Declaration. The table of contents, cover page and any index to this Declaration are for convenience of reference only and shall not define or limit any of the terms and provisions hereof.

9.05. Pronouns and Plurals. All personal pronouns used in this Declaration, whether used in the masculine, feminine or neuter gender, shall include all other genders. The use of the singular tense shall include the plural and the use of the plural shall include the singular.

9.06. Binding Effect. The terms and conditions of this Declaration shall be binding upon each Owner or Occupant and their respective heirs, executors, administrators, personal representatives, successors and assigns and shall inure to the benefit of Developer, the ARC and all Owners and their respective heirs, executors, administrators, personal representatives, successors and assigns.

9.07. Conflict or Ambiguity. In the event of any conflict or ambiguity in the terms and provisions of this Declaration, the general rules of construction against one party as a result of that party having drafted this Declaration are hereby waived by each Owner. To the fullest extent allowed by law, no conflicts or ambiguity shall be resolved in favor of or to the advantage of one party as opposed to another.

9.08. Interpretation. In all cases, the provisions set forth and provided for in this Declaration shall be construed together and given that interpretation or construction which, in the opinion of the Developer, will best effect the intent of the general plan of development for the Property. The provisions hereof shall be liberally interpreted and, if necessary, they shall be so extended or enlarged by implication so as to make them fully effective. The provisions of this Declaration shall be given force and effect, notwithstanding the existence of any zoning or building codes which are less restrictive. The effective date of this Declaration shall be the date hereof. This Declaration shall be construed under and in accordance with the laws of the State of Wisconsin.

9.09. Rights of Third Parties. This Declaration shall be recorded for the benefit of Developer, the ARC, the Owners and such third parties and entities as are herein or in any other document or instrument granted rights, privileges and easement in the Property, and by such recording, no other adjoining property owners or third parties shall have any right, title or interest whatsoever in the Property or its operation and continuation, in the enforcement of any of the provisions if this Declaration or the right to consent to or approve any amendment or modification to this Declaration.

9.10. No Trespass. Whenever the Developer, the ARC and their respective agents, employees, representatives, successors and assigns, are permitted by this Declaration to enter upon any Lot to take any action permitted herein, the entering thereon and the taking of such action shall not be deemed a trespass.

9.11. No Partition. Each Owner hereby waives any right to seek or obtain judicial partition of any portion of the Property.

9.12. Reservation of Rights. Notwithstanding anything provided herein to the contrary, no sale, transfer, conveyance, lease, pledge, encumbrance or other hypothecation of any Lot by Developer to any other party shall constitute or be deemed a transfer of any of the rights reserved herein to Developer. Developer reserves the right to change location of any Lot owned by Developer including changes to the boundaries of any Lot owned by Developer.

9.13. Standards for Review. Whenever in this Declaration Developer or the ARC has the right to approve, consent to or require any action be taken pursuant to the terms hereof, such approval, consent or required action shall, except as otherwise specifically provided herein to the contrary, be given or withheld in the sole and absolute discretion of Developer or the ARC, as the case may be.

9.14. Oral Statements. Oral statements or representations by Developer, the ARC or any of their respective employees, agents, representatives, successors or assigns shall not be binding on Developer or the ARC.

9.15. Notices. Notices required hereunder shall be in writing and shall be delivered by hand or sent by United States mail, postage prepaid. All notices to Owners shall be delivered or sent to such addresses as have been designated in writing or, if no such address has been so designated, at the address of such Owner's respective Lot. All notices to the ARC shall be delivered or sent in care of Developer to:

_____
Attn: _____
_____
_____

or to such other address as the ARC may from time to time specify in a notice to the Owners. All notices to Developer shall be sent or delivered to Developer at the above address or to such other address as Developer shall specify.

9.16. Assignment. Developer and the ARC shall each have the right to assign any and all of the rights, powers, reservations and duties contained herein to any person or entity who shall thereupon have the same rights, powers, reservations and duties as Developer and the ARC, respectively.

9.17. No Waiver. All rights, remedies and privileges granted to Developer and the ARC pursuant to the terms and provisions of this Declaration shall be deemed to be cumulative and the exercise of any one or more of such rights, remedies or privileges shall not be deemed to constitute an election of remedies nor shall it preclude the party exercising the same, or any other party, from pursuing such other additional rights, remedies and privileges as may be available to such party at law or in equity. The failure at any time to enforce any covenant, condition or restriction set forth herein shall in no event be deemed a waiver of the right to enforce such covenant, condition or restriction.

9.18. Non-Merger. The terms of this Declaration and any rights hereunder shall not merge into the estate of any Owner and shall survey transfer of any Lot or any part thereof.

[Signature Page to Follow]

DRAFT

IN WITNESS WHEREOF, Developer has caused this Declaration to be duly executed as of the date first set forth above.

[INSERT NAME OF DEVELOPER ENTITY]

By: _____
Printed Name: _____
Title: _____

STATE OF WISCONSIN)
) ss.
COUNTY OF LA CROSSE)

Personally came before me this ___ day of _____, 2026, the above-named _____, to me known to be the person who executed the foregoing instrument and acknowledged the same.

_____
Printed Name: _____
Notary Public, State of Wisconsin
My Commission expires: _____

This document was drafted by:
Michelle W. Ebben, Esq.
Michael Best & Friedrich LLP
790 N. Water Street, Ste. 2500
Milwaukee, WI 53202

DRAFT

EXHIBIT A
LEGAL DESCRIPTION

[To be inserted]

DRAFT

PLANNING, RESOURCES AND DEVELOPMENT COMMITTEE
Monday, March 2, 2026
Administrative Center – County Board Room (1700)
4:35 p.m. – 5:25 p.m.
Recess
6:00 p.m. – 6:06 p.m.

MEMBERS PRESENT: Ken Schlimgen, Patrick Scheller, Peg Isola, Kristi Tweed, David Pierce, Dennis Jacobson
MEMBERS EXCUSED: Ron Rothering, Doug Servais
MEMBERS ABSENT:
STAFF & GUESTS: Angel Much, Kaleb Schuster, Jacob Schweitzer, Brock Tokach, Dillon Constant, Bryan Meyer, Dale Hewitt, Kathleen Stewart, Sara Koopman, Jane Klekamp, Sarah Torbert, Carol Engle-Drury, Bob Gollnik, Ethan Welter (recorder)

APPROVAL OF MINUTES & PUBLIC HEARING MINUTES FROM FEBRUARY 2, 2026
MOTION by Scheller/Isola to approve the **February 2, 2026,** business & public hearing minutes.
6 Aye, 0 No, 1 Excused (Rothering), 0 Absent, Motion carried.

PUBLIC COMMENT

Regarding Featherstone Rise Development:
IN FAVOR
Tim Candell, W4709 Cherrywood DR, La Crosse, WI
Joe Ledvina, 4071 Starlite DR, La Crosse, WI
Mike Kendhamm, N1337 Leske RD, La Crosse, WI
Fortune Berg, 2800 Ward Ave, La Crosse, WI
Libby Weber, N2248 Pammel Pass E, La Crosse, WI
Angela Weber, 232 3rd ST N, La Crosse, WI
Tyler Fortune, W5050 Knobloch RD, La Crosse, WI

IN OPPOSITION
Tim Buisman, W4896 CTH FO, La Crosse, WI
Dennis Justin, W4987 Woodhaven DR, La Crosse, WI
Ray Hach, N2082 County RD F, La Crosse, WI

Regarding Tracking Pad Current Standards:
IN OPPOSITION
Paul Wuensch, N4802 CTH J, Rockland

SUPERVISOR CONFERENCE REPORTS
Supervisor Isola – WCA Legislative Conference

CONSIDER AND ACT: STORMWATER AND EROSION CONTROL PLAN FOR FEATHERSTONE RISE IN THE TOWN OF SHELBY – KALEB SCHUSTER
Schuster stated that the La Crosse County Department of Land Conservation (DLC) has reviewed the submitted Erosion Control and Stormwater Management Plan for the Featherstone Rise Subdivision on the Town of Shelby. The project will include 36 single-family residential lots. Stormwater runoff from the development will be conveyed through a network of swales and culverts to six stormwater management biofiltration basins located around the perimeter of the site. These basins are designed to promote infiltration, reduce peak discharge rates, and provide stormwater treatment.

Discussion between Committee and Staff ensued.

Proposed Conditions

1. Results from the 15 soil borings submitted to the DLC upon completion. Adjust stormwater infrastructure to reflect any limiting factors discovered from the soil borings.
2. Submit final plat within 36 months of preliminary plat approval.

MOTION by Isola/Scheller to approve the Stormwater and Erosion Control Plan for Featherstone Rise in the Town of Shelby with the 2 proposed conditions.
6 Aye, 0 No, 1 Excused (Rothering), 0 Absent, Motion carried.

CONSIDER AND ACT: PRELIMINARY PLAT FOR FEATHERSTONE RISE IN THE TOWN OF SHELBY – BRYAN MEYER

Meyer stated that the La Crosse County Surveyors Department coordinated the review of the preliminary plat of Featherstone Rise, a 36-lot subdivision near the intersection of STH 33 and CTH F in the Town of Shelby. Our review looks at compliance with Chapter 236 of the Wisconsin Statutes, AE-7 of the Wisconsin Administrative Code and Chapter 18 of the La Crosse County Code. We also sought input on the plat from The Wisconsin Department of Transportation, Town of Shelby, the La Crosse County Highway Department, the Land Conservation Department and Zoning, Planning and Land Information Department. All of the input was shared with Excel Engineering, Inc. Updates were made, and a final version of the map was shown.

Discussion between Committee and Staff ensued.

Chair Schlimgen closed the business meeting at 5:25 p.m.

Chair Schlimgen reopened the business meeting at 6:00 p.m.

Discussion between Committee and Staff ensued.

Proposed Conditions

1. Lot 1 and 24 will need a variance for lot depth requirements.

MOTION by Scheller/Tweed to approve the Preliminary Plat for Featherstone Rise in the Town of Shelby with the 1 proposed condition.
5 Aye, 1 No (Schlimgen), 1 Excused (Rothering), 0 Absent, Motion carried.

NEXT MEETING – Monday, April 6, 2026

FUTURE AGENDA ITEMS
None

MOTION by Tweed/Pierce to adjourn.
6 Aye, 0 No, 1 Excused (Rothering), 0 Absent, Motion carried.

Meeting adjourned at 6:06 p.m.

The above minutes may be approved, amended, or corrected at the next committee meeting.

Ethan Welter, Recorder

TOWN OF SHELBY

2800 Ward Avenue La Crosse, WI 54601

608.788.1032
608.788.6840
info@townofshelby.com
www.townofshelby.com
www.facebook.com/townofshelby

Town Board Meeting Minutes – APPROVED

Date: Tuesday, February 17, 2026
Time: 8:30 a.m.
Location: 2800 Ward Ave, La Crosse, WI 54601
Present: Chairperson Tim Candahl, Supervisors Tim Ehler (until 9:45), Tim Padesky and Marlene Heal; Public Works Foreman Terry Wright, Administrator Christina Peterson, Clerk Fortune Berg, and Treasurer Melissa Erdman.
Excused/Absent: Supervisor Renee Knutson.
Attendance List: Brian Malm (Bolton and Menk), Tom Myhre, Todd Fischer, Dennis Justin, Joe and Dianne Hauser, Alan Lorenz, Nick and Angela Weber, Grant Duchac (Excel Engineering), Tim Buisman, Erik Miller, and Dan Oelke .

1. Meeting called to order by Candahl at 8:30 a.m.
2. Minutes from 02/03/2026. Motion by Padesky to approve minutes from 02/03/2026, second by Ehler. Motion carried unanimously.
3. Bills Payable. Motion by Heal to accept closed invoices for $2,111,737.77, second by Ehler. Motion carried unanimously. Motion by Ehler to pay open invoices for $595,397.90, second by Padesky. Motion carried unanimously.
4. Public Comment. None.
5. Preliminary Plat Review – Featherstone Rise LLC (11-37-0, 11-16-0, 11-18-0, 11-35-1, County Road F and Highway 33). Peterson noted that the plat was reviewed and discussed at the Technical Advisory Committee (TAC) Meeting with La Crosse County, School District, Town, Developer, etc. Changes were made based on that meeting, and this Preliminary Plat was created and submitted. The Planning Commission reviewed this and recommended approval. Peterson noted items that needed additional review based on discussion at the Planning Commission such as traffic, location of the shared wells and drainage. Traffic concerns were addressed by the County Highway Department, no concerns. Peterson confirmed the locations of the shared wells exceed the minimum distance from other shared wells, no concerns. Discussion on the slopes, grading and drainage. Peterson recommends that the Town require grading plans when each lot is developed to ensure each property will drain appropriately.

Public Comment

a. Joe Hauser (N2095 County Road F) asked about retention pond maintenance and asked if there is someone who works for the Town that can guarantee they are working properly. Candahl stated the Town works with La Crosse County to make sure the ponds are maintained and working as they were designed to.

b. Tim Buisman (W4896 County Road FO) asked when the park needs to be completed during construction. Nick Weber (145 17th Street S) noted it would be completed at the same time as the roads and retention ponds are deeded to the Town.

Motion by Heal to approve the preliminary plat with the condition that each lot submit a grading plan before construction begins, second by Ehler. Motion carried unanimously.

6. Driveway Exception – Johnson (11-1205-0, 3725 Cliffside Drive). Candahl would like to have a conversation with the property owner. Motion by Ehler to table until Tim Candahl can speak with the owner, second by Heal. Motion carried unanimously.
7. Certified Survey Map (CSM) – Kramer (11-2329-0, N124 Cedar Hills Lane). Peterson reviewed the Planning Commission recommendation and reminded the Board that Cedar Hills Lane is a private road, and residents share ownership of the road. Motion by Ehler to approve the Certified Survey Map, second by Padesky. Motion carried unanimously.
8. Applications to Exceed Two-Dog Limit – Cutter (W5907 Hillcrest Drive), Hermanson (2340 Redwood Court). No issues reported from Sheriff/Coulee Region Humane Society. Motion by Heal to approve, second by Padesky. Motion carried unanimously.
9. Updates on the Mormon Creek Watershed Study and the Millstream Addition – Bolton and Menk. Brian Malm reviewed updates and project goals. There will likely be another public information meeting in Summer 2026.

Public Comment

a. Erik Miller (W4944 Center Street) stated he does not plan to repair his culvert or driveway until the drainage issues are resolved, also concerned about water issues in backyards and his septic being affected. Peterson noted if there are too many impacts to backyards, the Town may not be able to address backyard drainage.
b. Dennis Justin (W4987 Woodhaven Drive) is concerned about how many residents are using the right-of-ways as their front yards and creating steep ditches along the road would cause issues for residents. Also concerned about pavement repairs, if they will have to install water and sewer in a few years, is it worth the cost?
c. Al Lorenz (W4927 Hoeth Street) asked what funding options are, Candahl answered that the options will be provided when the Town has a better idea of what the scope of the project and cost of the project will be.
d. Dan Oelke (N656 Hwy 35) noted special pavement used on Diagonal Road could be an option to mitigate problems in Millstream.

10. Administrator and Public Works Report. Peterson reported…
    a. Meeting at All Star at noon today for the Highway 35 project.
    b. Peterson is attending the Blufflands Coalition meeting today at 2:00 p.m.
    c. Tentative meeting on Thursday to discuss use of Hillview Ballfields.
    d. Public Works will be purchasing a new mower head to upgrade mower used for roadside ditches that can handle the terrain. Discussion on repairs and rentals to finish up the ditches.

e. Wright reported that they will be boring out the sewer to camera and clean the sewer lines in Arbor Hills.
f. Public Works will be cutting off I beams at the inlet structure at the end of Valley Road.
g. Public Works will be clearing brush on the sides of roads and clean up the corner of Crown Blvd and Cliffside Drive.
h. Public Works will be working on trucks.
i. Public Works will be cutting and trimming trees that overhang the roads.

11. Chairperson and Supervisors Report.
    a. Candahl reported he will be attending a future City of La Crosse Public Works Board Meeting.
    b. Heal asked Wright about the timeline for bench installation and park inspections. Wright answered the frost needs melt before they can put the slabs down for the benches, the playground inspections are supposed to be completed by April 15.
    c. Berg asked Wright about road bans, Wright answered he needs to assess the roads but is not planning to place them on roads at this time.
    d. Heal stated she will not be helping the Chicken Q this year. Peterson noted she or Erdman will be assisting. Heal asked how much the 2025 Chicken Q made. Berg will find the answer.
12. Fire Department Report. Candahl reported
    a. Chicken Q is going to be on March 15th.
    b. Firefighter Daren Schieldt retired this week.
    c. Engine 1 and 3 had minor work done are now back in service
13. Clerk's Report.
    a. Berg reviewed monthly report for permits, licenses, etc. Also reported on the recent meeting with La Crosse County Sheriff to discuss coverage.
14. Adjournment. Motion by Heal to adjourn at 10:09 a.m., second by Padesky. Motion carried unanimously.

Next Regular Meeting on March 3, 2026, at 5:00 p.m. at Town Hall
Respectfully Submitted by Fortune Berg, Clerk

Craig, Sondra

From: Neumann, Shannon
Sent: Wednesday, March 11, 2026 1:40 PM
To: Craig, Sondra
Subject: RE: For Review: Preliminary Plat - Featherstone Rise Subdivision

I cannot foresee any problems with the subdivision.

Shannon L. Neumann
Chief City Assessor
City of La Crosse Assessor's Office
400 La Crosse St. 54601
608-789-7525 Main | 608-789-7544 Office
neumanns@cityoflacrosse.org
www.cityoflacrosse.org

From: Craig, Sondra <craigs@cityoflacrosse.org>
Sent: Wednesday, March 11, 2026 12:43 PM
To: Acklin, Tim <Acklint@cityoflacrosse.org>; Asp, Brian <aspb@cityoflacrosse.org>; Coman, Kyle <comank@cityoflacrosse.org>; Crandall, Jay <CrandallJ@cityoflacrosse.org>; Erickson, Tina <ericksont@cityoflacrosse.org>; Gallager, Matthew <gallagerm@cityoflacrosse.org>; Holland, Michelle <hollandm@cityoflacrosse.org>; Neumann, Shannon <Neumanns@cityoflacrosse.org>; Reinhart, David <Reinhartd@cityoflacrosse.org>; Trane, Andrea <tranea@cityoflacrosse.org>
Subject: RE: For Review: Preliminary Plat - Featherstone Rise Subdivision

The subdivision plans are too large to attach. I have copied all of the documents to a folder on the O Drive.

O:\City_Clerk\Featherstone Rise - T-Shelby

Thank you,

SONDRA CRAIG, WCMC (she/her)
Deputy City Clerk
City Clerk's Office
City of La Crosse
400 La Crosse Street
La Crosse WI 54601

craigs@cityoflacrosse.org
Direct: 608.789.7549 | Office: 608.789.7510

From: Craig, Sondra
Sent: Wednesday, March 11, 2026 12:41 PM
To: Acklin, Tim <Acklint@cityoflacrosse.org>; Asp, Brian <aspb@cityoflacrosse.org>; Coman, Kyle <comank@cityoflacrosse.org>; Crandall, Jay <CrandallJ@cityoflacrosse.org>; Erickson, Tina <ericksont@cityoflacrosse.org>; Gallager, Matthew

<gallagerm@cityoflacrosse.org>; Holland, Michelle <hollandm@cityoflacrosse.org>; Neumann, Shannon <Neumanns@cityoflacrosse.org>; Reinhart, David <Reinhartd@cityoflacrosse.org>; Trane, Andrea <tranea@cityoflacrosse.org>
Subject: For Review: Preliminary Plat - Featherstone Rise Subdivision

Good afternoon,

Attached for your review is a preliminary plat for the Feathersone Rise Subdivision in the Town of Shelby (City's extraterritorial jurisdiction). The Town and County have already approved. This will be routed to the April committee meetings (CPC 3/30, J&A 3/31, and Council 4/9).

Attached is the checklist, preliminary plat, Declaration of Restrictions, and Stormwater & Erosion Control report. They also submitted Subdivision Plans, which I'll send separately because it is a very large document.

Please let me know if you have any concerns or if you approve (or N/A if this is not applicable for your review – I'm sending to the normal City CSM reviewers).

Thank you,

SONDRA CRAIG, WCMC (she/her)
Deputy City Clerk
City Clerk's Office
City of La Crosse
400 La Crosse Street
La Crosse WI 54601

craigs@cityoflacrosse.org
Direct: 608.789.7549 | Office: 608.789.7510
Visit the City Clerk webpage: https://www.cityoflacrosse.org/your-government/departments/city-clerk

City Clerk's Office hours:
8:00 a.m. to 4:30 p.m., Monday through Thursday
8:00 a.m. to 2:00 p.m., Friday
Public Service (walk in) hours 8:00 a.m. to 4:00 p.m. Monday through Thursday & 8:00 a.m. to 12:00 p.m. on Friday in the City Hall Lobby

Elected Officials and Members of Official Committees:
In order to comply with open meeting requirements, please limit any reply to only the sender of this electronic communication.

Craig, Sondra

From: Reinhart, David
Sent: Wednesday, March 11, 2026 2:09 PM
To: Craig, Sondra
Subject: RE: For Review: Preliminary Plat - Featherstone Rise Subdivision

Approve.

Thanks,

David Reinhart
Chief Building Inspector
Building & Inspections
400 La Crosse St., La Crosse, WI 54601
Office: 608-789-7564

From: Craig, Sondra <craigs@cityoflacrosse.org>
Sent: Wednesday, March 11, 2026 12:43 PM
To: Acklin, Tim <Acklint@cityoflacrosse.org>; Asp, Brian <aspb@cityoflacrosse.org>; Coman, Kyle <comank@cityoflacrosse.org>; Crandall, Jay <CrandallJ@cityoflacrosse.org>; Erickson, Tina <ericksont@cityoflacrosse.org>; Gallager, Matthew <gallagerm@cityoflacrosse.org>; Holland, Michelle <hollandm@cityoflacrosse.org>; Neumann, Shannon <Neumanns@cityoflacrosse.org>; Reinhart, David <Reinhartd@cityoflacrosse.org>; Trane, Andrea <tranea@cityoflacrosse.org>
Subject: RE: For Review: Preliminary Plat - Featherstone Rise Subdivision

The subdivision plans are too large to attach. I have copied all of the documents to a folder on the O Drive.

O:\City_Clerk\Featherstone Rise - T-Shelby

Thank you,

SONDRA CRAIG, WCMC (she/her)
Deputy City Clerk
City Clerk's Office
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From: Craig, Sondra
Sent: Wednesday, March 11, 2026 12:41 PM
To: Acklin, Tim <Acklint@cityoflacrosse.org>; Asp, Brian <aspb@cityoflacrosse.org>; Coman, Kyle <comank@cityoflacrosse.org>; Crandall, Jay <CrandallJ@cityoflacrosse.org>; Erickson, Tina <ericksont@cityoflacrosse.org>; Gallager, Matthew

<gallagerm@cityoflacrosse.org>; Holland, Michelle <hollandm@cityoflacrosse.org>; Neumann, Shannon <Neumanns@cityoflacrosse.org>; Reinhart, David <Reinhartd@cityoflacrosse.org>; Trane, Andrea <tranea@cityoflacrosse.org>
Subject: For Review: Preliminary Plat - Featherstone Rise Subdivision

Good afternoon,

Attached for your review is a preliminary plat for the Feathersone Rise Subdivision in the Town of Shelby (City's extraterritorial jurisdiction). The Town and County have already approved. This will be routed to the April committee meetings (CPC 3/30, J&A 3/31, and Council 4/9).

Attached is the checklist, preliminary plat, Declaration of Restrictions, and Stormwater & Erosion Control report. They also submitted Subdivision Plans, which I'll send separately because it is a very large document.

Please let me know if you have any concerns or if you approve (or N/A if this is not applicable for your review – I'm sending to the normal City CSM reviewers).

Thank you,

SONDRA CRAIG, WCMC (she/her)
Deputy City Clerk
City Clerk's Office
City of La Crosse
400 La Crosse Street
La Crosse WI 54601

craigs@cityoflacrosse.org
Direct: 608.789.7549 | Office: 608.789.7510
Visit the City Clerk webpage: https://www.cityoflacrosse.org/your-government/departments/city-clerk

City Clerk's Office hours:
8:00 a.m. to 4:30 p.m., Monday through Thursday
8:00 a.m. to 2:00 p.m., Friday
Public Service (walk in) hours 8:00 a.m. to 4:00 p.m. Monday through Thursday & 8:00 a.m. to 12:00 p.m. on Friday in the City Hall Lobby

Elected Officials and Members of Official Committees:
In order to comply with open meeting requirements, please limit any reply to only the sender of this electronic communication.

Agenda Item 26-0254 (Tim Acklin)

Preliminary Plat of Featherstone Rise - Part of the Northwest 1/4 & Northeast 1/4 of the Northwest 1/4 of Section 7 and Part of the Southwest 1/4 & Southeast 1/4 of the Southwest 1/4 of Section 6, all in Township 15 North, Range 6 West, Town of Shelby, La Crosse County, Wisconsin.

General Location

Town of Shelby- Located at the NE corner of the intersection of State Highway 33 and County Road F as depicted in attached Map PC26-0254. The property was used as farmland. The property is surrounded by residential homes to the west and south and farmland to the north and east. It is approximately 2 miles from the nearest city limits of La Crosse.

Background Information

The applicant is requesting approval of the Preliminary Plat for the Featherstone Rise Subdivision in the Town of Shelby. The proposed subdivision is taking four existing parcels and subdividing them into 36 residential parcels and one outlot to be dedicated for a ½ acre public park. The existing buildings to the southeast of the project site will be left on their own parcel.

The proposed subdivision will be served by private wells. The proposed streets (Featherstone Way, Circle, and Court) will be dedicated as public right-of-way.

See attached plans for more information.

This item is reviewed by the City of La Crosse because it is within three miles of the city limits and therefore it is a part of the City's extraterritorial review process.

Recommendation of Other Boards and Commissions

The Town of Shelby approved the plat at their February 17, 2026, meeting.

The La Crosse County Board approved the plat at their March 2, 2026, meeting.

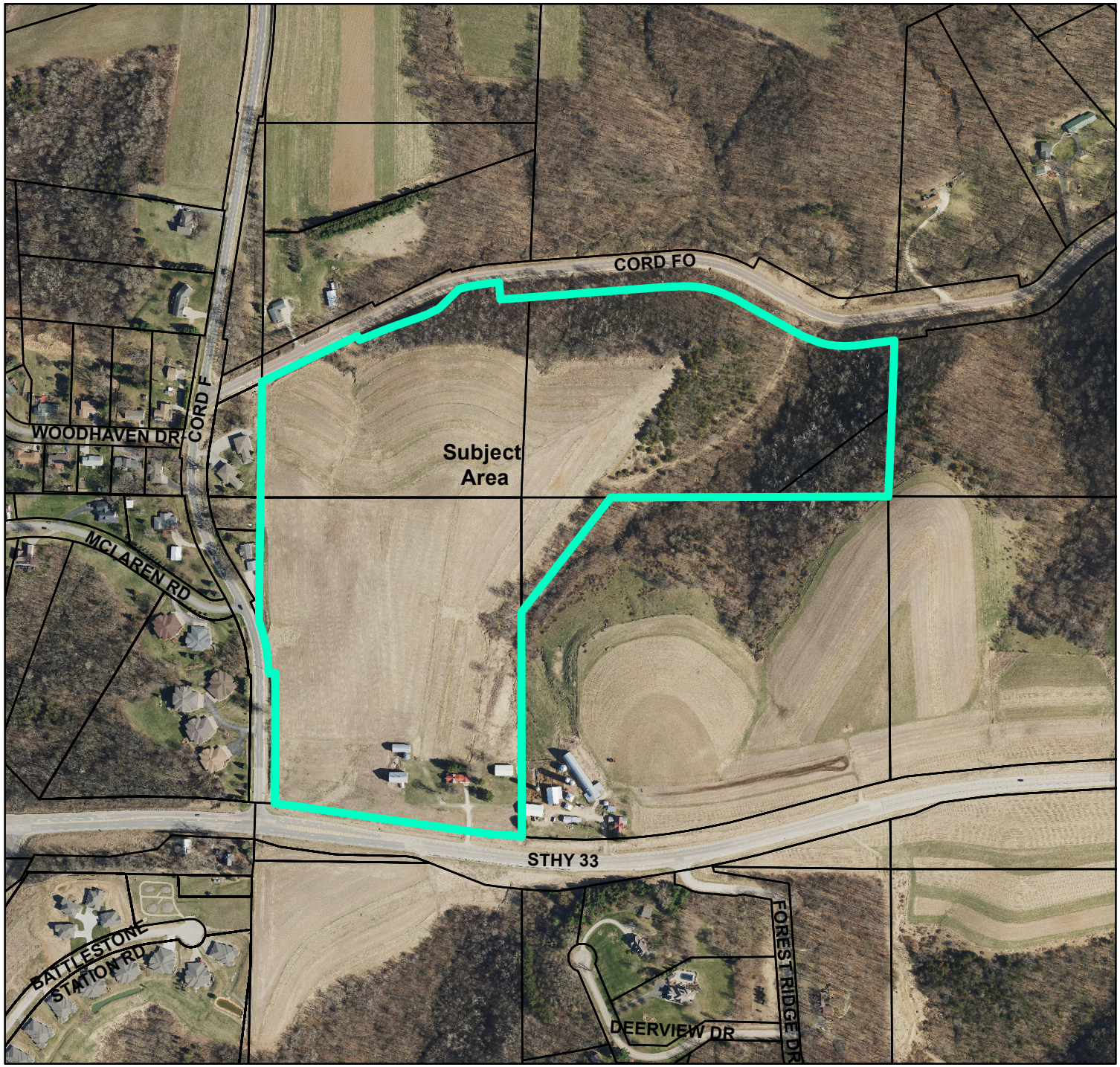
Consistency with Adopted Comprehensive Plan

N/A

Staff Recommendation

This item is recommended for approval per any conditions required by the Engineering and Fire Departments.

Routing J&A 3.31.26



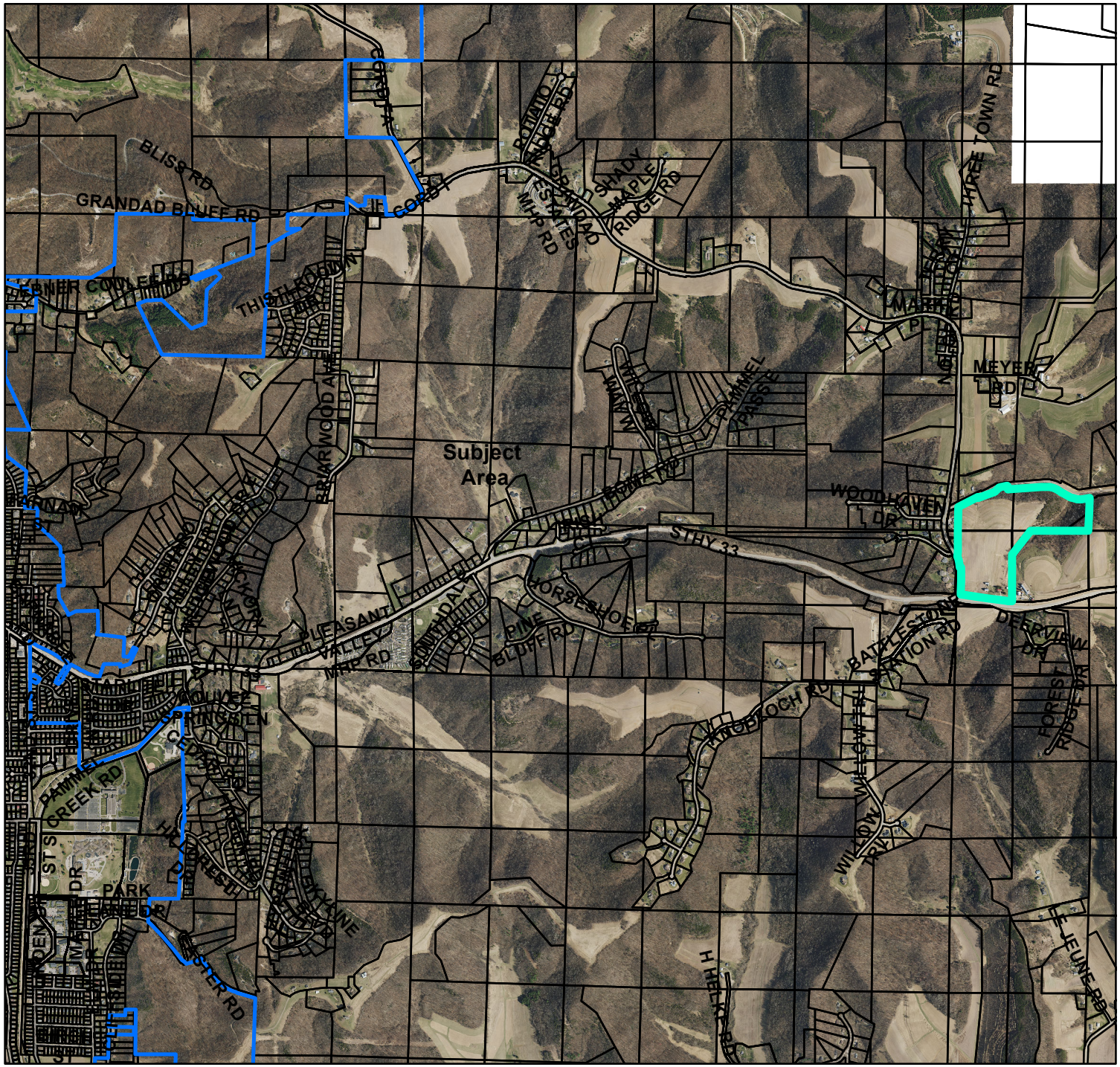
BASIC ZONING DISTRICTS

- R1 - SINGLE FAMILY
- R2 - RESIDENCE
- WR - WASHBURN RES
- R3 - SPECIAL RESIDENCE
- R4 - LOW DENSITY MULTI
- R5 - MULTIPLE DWELLING
- R6 - SPECIAL MULTIPLE
- PD- PLANNED DEVELOP
- TND - TRAD NEIGH DEV.
- C1 - LOCAL BUSINESS
- C2 - COMMERCIAL
- C3 - COMMUNITY BUSINESS
- M1 - LIGHT INDUSTRIAL
- M2 - HEAVY INDUSTRIAL
- PS - PUBLIC & SEMI-PUBLIC
- PL - PARKING LOT
- UT - PUBLIC UTILITY
- CON - CONSERVANCY
- FW - FLOODWAY
- A1 - AGRICULTURAL
- EA - EXCLUSIVE AG
- City Limits
- SUBJECT PROPERTY

0 240 480 960 Feet

City of La Crosse Planning Department - 2026

PC 26-0254 694



BASIC ZONING DISTRICTS

- R1 - SINGLE FAMILY
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0 1,150 2,300 4,600 Feet

City of La Crosse Planning Department - 2026

PC 26-0254 695