PLANNING BOARD MEETING

Lansing Town Hall Board Room
Monday, February 23, 2026
6:30 PM

AGENDA

SUBJECT TO CHANGE

Meeting is open to the public and streamed live on YouTube.

VIEW THE MEETING LIVE - TOWN OF LANSING YOUTUBE CHANNEL

To find our YouTube Channel - Go to *www.lansingtownny.gov*, click on the "YouTube" Icon (red square) located on the bottom left corner of our Home Page.

1. **Call Meeting to Order**
2. **Roll Call**
3. **Action Items**

   a. **Project:** Minor Subdivision – 372 Holden Road

   Applicant: Nolan Hatfield, Owner

   Location: 372 Holden Road TPN 4.-1-9.21

   Project Description: Minor Subdivision pf the existing 2.68 acre lot "parent parcel" into two parcels: Parcel A (1.61 ac), Parcel B (1.07 ac). This project is located in the AG Zoning District.

   SEQR: Unlisted/Uncoordinated Action – SEAF Part 2 required

   Anticipated Action: Public Hearing, SEQR

   b. **Project:** Site Plan Review – 8-18 Verizon Lane

   Applicant: John Duthie, owner

   Location: 8-18 Verizon Lane TPN 30.-1-16.32

   Project Description: Site Plan Review of proposed expansion of existing United Storage Complex. The project plans to construct a 40' x 70' (2,800 SF) cold storage building on a vacant ¼-ac lot just southwest of 18 Verizon Lane and east of 10 Verizon Lane). This project is located in the IR zoning district.

   SEQR: Unlisted/Uncoordinated Action – SEAF Part 2 required

   Anticipated Action: Sketch review, Set Public Hearing

4. **Other Business:**

   a. **Project:** General Project Introduction by Representatives of TeraWulf

Location: 228 Cayuga Dr TPN 11.-1-3.211

Project Description: Representatives of TeraWulf will briefly introduce the proposed data center at 228 Cayuga Drive. No site plans have been formally submitted at this time.

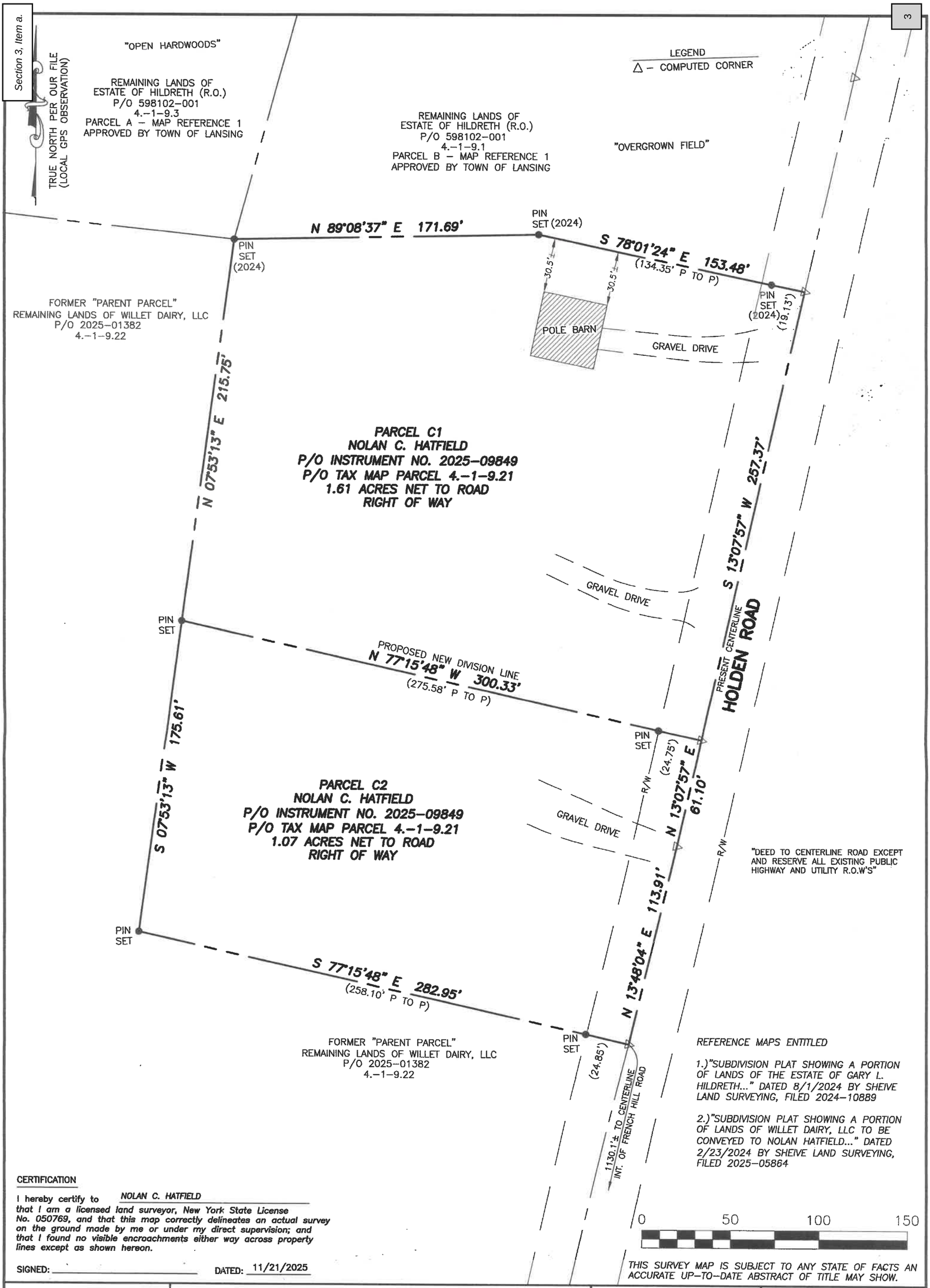
No public comment or questions will be allowed at this meeting regarding this project.

b. **Review and discussion of available dates for an additional Planning Board meeting to be added to the calendar each month as needed**

c. **Town Board Liaison Report**

5. Adjourn Meeting

In accordance with the Americans with Disabilities Act, persons who need accommodation to attend or participate in this meeting should contact the Town Clerk's Office at 607-533-4142. Request should be made 72 hours prior to the meeting.



FORMER "PARENT PARCEL" REMAINING LANDS OF WILLET DAIRY, LLC P/O 2025-01382 4.-1-9.22

REFERENCE MAPS ENTITLED

1.)"SUBDIVISION PLAT SHOWING A PORTION OF LANDS OF THE ESTATE OF GARY L. HILDRETH..." DATED 8/1/2024 BY SHEIVE LAND SURVEYING, FILED 2024-10889

2.)"SUBDIVISION PLAT SHOWING A PORTION OF LANDS OF WILLET DAIRY, LLC TO BE CONVEYED TO NOLAN HATFIELD..." DATED 2/23/2024 BY SHEIVE LAND SURVEYING, FILED 2025-05864

CERTIFICATION

I hereby certify to NOLAN C. HATFIELD that I am a licensed land surveyor, New York State License No. 050769, and that this map correctly delineates an actual survey on the ground made by me or under my direct supervision; and that I found no visible encroachments either way across property lines except as shown hereon.

SIGNED: _____ DATED: 11/21/2025

THIS SURVEY MAP IS SUBJECT TO ANY STATE OF FACTS AN ACCURATE UP-TO-DATE ABSTRACT OF TITLE MAY SHOW.

SHEIVE LAND SURVEYING
165 WOOD ROAD
FREEVILLE, NY 13068
607-347-9800

WARNING
ALTERATION OF THIS MAP NOT CONFORMING TO SECTION 7209, SUBDIVISION 2, NEW YORK STATE EDUCATION LAW, ARE PROHIBITED BY LAW. ALL CERTIFICATIONS HEREON ARE VALID FOR THIS MAP AND COPIES THEREOF ONLY IF SAID MAP OR COPIES BEAR THE IMPRESSION SEAL OF THE LICENSED LAND SURVEYOR WHOSE SIGNATURE APPEARS HEREON.

TITLE: **SUBDIVISION PLAT**
SHOWING LANDS OF
NOLAN C. HATFIELD
LOCATED AT NO. 372 HOLDEN ROAD,
TOWN OF LANSING, TOMPKINS COUNTY, NEW YORK

DATE: 11/21/2025	FILE NO. 25006	SCALE: 1"=50'

REVISED

STATE OF NEW YORK ★ IAN M. SHEIVE ★ LICENSED LAND SURVEYOR 050769

AGRICULTURAL DATA STATEMENT

Per § 305-a of the New York State Agriculture and Markets Law, any application for a special use permit, site plan approval, use variance, or subdivision approval requiring municipal review and approval that would occur on property within a New York State Certified Agricultural District containing a farm operation or property with boundaries within 500 feet of a farm operation located in an Agricultural District shall include an Agricultural Data Statement.

A. Name of applicant: Nolan Hatfield

Mailing address: 248 Holden Road Lansing NY 14883

____

B. Description of the proposed project: Subdividing 2.68 acres into two lots

____

____

C. Project site address: 372 Holden Road Lansing 14882 Town: ____________________

D. Project site tax map number: ______________________________

E: The project is located on property:

☒ within an Agricultural District containing a farm operation, or

☒ with boundaries within 500 feet of a farm operation located in an Agricultural District.

F. Number of acres affected by project: 2.68

G. Is any portion of the project site currently being farmed?

☐ Yes. If yes, how many acres__________ or square feet__________ ?

☒ No.

H. Name and address of any owner of land containing farm operations within the Agricultural District <u>and</u> is located within 500 feet of the boundary of the property upon which the project is proposed.

Willet Dairy

____

____

____

____

I. Attach a copy of the current tax map showing the site of the proposed project relative to the location of farm operations identified in Item H above.

~ ~

FARM NOTE

Prospective residents should be aware that farm operations may generate dust, odor, smoke, noise, vibration and other conditions that may be objectionable to nearby properties. Local governments shall not unreasonably restrict or regulate farm operations within State Certified Agricultural Districts unless it can be shown that the public health or safety is threatened.

~ ~

Nolan Hatfield, Owner of property — 12/19/2025

Name and Title of Person Completing Form — Date

Short Environmental Assessment Form
Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information

Name of Action or Project:
Minor Subdivision of land at 374 Holden Road

Project Location (describe, and attach a location map):
374 Holden Road Lansing New York

Brief Description of Proposed Action:
Minor subdivision of land at 374 Holden Road into two parcels: Parcel A (5.48 ac), Parcel B (1.30 ac) and the parent lot (aprox. 30 acres)

Name of Applicant or Sponsor:	Telephone: 607/257-0145
Nolan Hatfield	E-Mail: nolanhatfield1206@icloud.com

Address:
240 & 248 Holden Road

City/PO:	State:	Zip Code:
Locke	NY	13073

	NO	YES
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.	☑	☐
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: Minor Subdivision Plat review by TOL Planning Board	☐	☑

3. a. Total acreage of the site of the proposed action? 2.68 acres
   b. Total acreage to be physically disturbed? 0 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 2.68 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. ☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☐ Residential (suburban)
   ☐ Forest ☑ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

	NO		YES
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☑	☐
b. Consistent with the adopted comprehensive plan?	☐	☑	☐

	NO	YES
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	☐	☑

	NO	YES
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?		
If Yes, identify: _____	☑	☐

	NO	YES
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	☑	☐
b. Are public transportation services available at or near the site of the proposed action?	☑	☐
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	☑	☐

	NO	YES
9. Does the proposed action meet or exceed the state energy code requirements?		
If the proposed action will exceed requirements, describe design features and technologies:		
N/A to subdivision of land	☐	☑

	NO	YES
10. Will the proposed action connect to an existing public/private water supply?		
If No, describe method for providing potable water: _____		
private well	☐	☑

	NO	YES
11. Will the proposed action connect to existing wastewater utilities?		
If No, describe method for providing wastewater treatment: _____		
Subdivison of land	☑	☐

	NO	YES
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?	☑	☐
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	☑	☐

	NO	YES
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	☑	☐
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?	☑	☐
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____		

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☑ Agricultural/grasslands ☑ Early mid-successional

☐ Wetland ☐ Urban ☐ Suburban

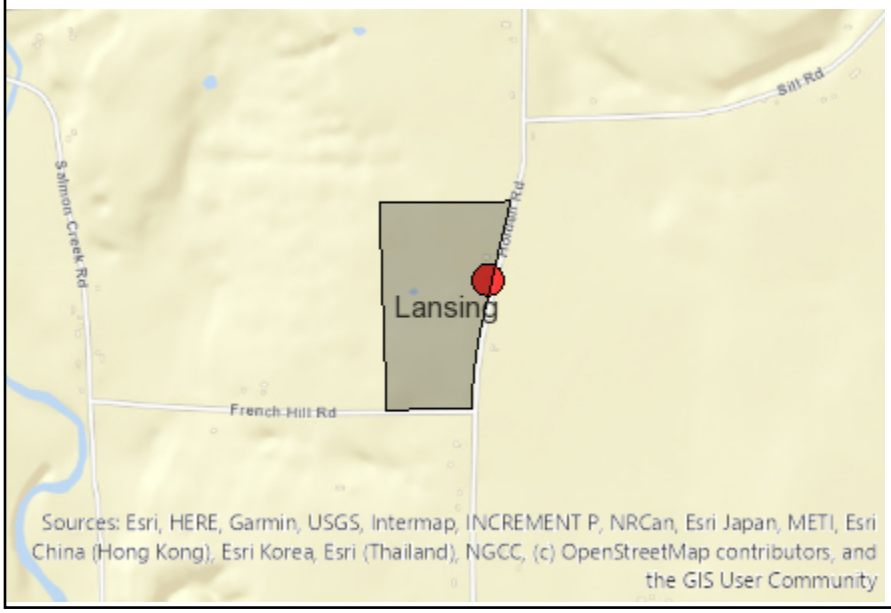
	NO	YES
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	☑	☐
16. Is the project site located in the 100-year flood plan?	☑	☐
17. Will the proposed action create storm water discharge, either from point or non-point sources?	☑	☐
If Yes,		
a. Will storm water discharges flow to adjacent properties?	☑	☐
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	☑	☐
If Yes, briefly describe: _____		
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)?	☑	☐
If Yes, explain the purpose and size of the impoundment: _____		
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?	☑	☐
If Yes, describe: _____		
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?	☑	☐
If Yes, describe: _____		

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Applicant/sponsor/name: Nolan Hatfield Date: 12/19/25

Signature: Nolan Hatfield Title: Owner

PRINT FORM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	No
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	No
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
Part 1 / Question 20 [Remediation Site]	No

Engineer's Report – October 2025
Duthie Storage Expansion
Verizon Lane, Lansing, NY

Executive Summary

Land Use & Drainage

The owner of this project, John Duthie of United Storage, is proposing an expansion as part of its existing storage complex located on Tax Parcel Lot 30.-1-16.32. The project plans to construct a 40' x 70' (2,800-SF) building on a vacant ¼-ac lot just southwest of 18 Verizon Lane (Car Ease) and east of 10 Verizon Lane (St. John Design Group). The new building will be a single cold storage building. There will be one overhead door and a man door. The construction will be of similar style, type, and color as the existing building located just to the northeast. The proposed site is comprised of a mixture of wooded brush and open space.

Because the area of disturbance will be less than 1-AC (8,500-SF SF +/-, 0.19-AC), the project does not meet the State or local definition that requires a Full or Basic Stormwater Pollution Prevention Plan (SWPPP). However, temporary construction controls for erosion & sediment management, such as silt fencing, would be used as is required.

Drainage for much of the site, including the future gravel parking area and building rooftop will flow to the west into an existing swale that runs southward into the rest of the complex drainageway. The site is protected from upland off-site runoff from the east by an existing drainage swale that intercepts flow and directs it to the south into the same receiving system. A hydraulic model was run showing the potential runoff impacts from this project which show marginal volume and rate increases for 1, 10, and 100 yr storms.

Stormwater Management Summary

Subcatchment Evaluation: There is one pre-developed (existing) watershed subcatchment (ESC) for this site totaling 8,515-SF (0.196-AC). Generally, existing topography moves in a northeast to southwest direction over relatively flat slopes of 1.0% or less. Flow sheet flows into an existing drainage swale just to the west where it joins with flow from the rest of the storage complex to the southwest and eventually into the Town's common drainage system along Perruville Road and eventually into State Highway 34.

The proposed development will disturb approximately 0.19-AC of land. Drainage areas affected by construction are in a single subcatchment, PSC which matches the shape and size of ESC. Gravel driveway and parking runoff as well as the building rooftop will be directed into the western swale.

Site Control Methods: Temporary erosion and sediment controls will be used during construction. There are no planned permanent controls.

Site Soils: There is one site soil type in the hydrologic soil group C located throughout the drainage area. Ovid (OaA) is a silt loam with moderately low to moderately high drainage characteristics 0.06 – 0.20 in/hr.

Soils data was obtained from the USDA Soil Conservation Service web soil survey.

Site Topography: The site as a whole has an average slope of <1.0% primarily moving downhill from northeast to southwest.

Site Watershed: Of the 0.196-acre watershed, the area of disturbance will be approximately 0.19-acres. A single off site grassed channel runs along the site's eastern border and directs runoff into the Perruville Road receiving system.

Rainfall: Rainfall data used in the modeling and analysis was taken from Technical Paper No. 40, Rainfall Frequency Atlas of the U.S. Weather Bureau, published by the U.S. Department of Agriculture. Rainfall data specific to Tompkins County under consideration, for various 24-hour storm events tabled below:

RAINFALL DATA

STORM	24-HOUR RAINFALL
1-year	1.99 inches
10-year	3.39 inches
100-year	5.82 inches

These values were used in modeling for the evaluation of existing and proposed stormwater run-off conditions.

Modeling Results Tabled:

EXISTING
EXISTING FLOW CONDITIONS AT DESIGN POINT (DP)

STORM EVENT	*PEAK FLOW (CFS)*	*TOTAL VOLUME (AF)*
1-year	*0.080*	*0.004*
10-year	*0.035*	*0.015*
100-year	*0.960*	*0.043*

PROPOSED
WITH GRASSED CHANNEL AND INFILTRATION BASIN IN-LINE
PROPOSED FLOW CONDITIONS AT DESIGN POINT (DP1)

STORM EVENT	*PEAK FLOW (CFS)*	*TOTAL VOLUME (AF)*
1-year	*0.034*	*0.015*
10-year	*0.740*	*0.034*
100-year	*1.430*	*0.070*

The run-off rates show marginal increases for the 10yr and 100yr storms as modeled.

Operation

This will be a 24 hour, 7 day a week operation.

Transportation

1. There will be no highway dedication associated with this project.
2. The gravel driveway and parking area will be conjoined with the asphalt entrance leading to the original storage complex.
3. The project will include provisions for seven (7) parking stalls which include one (1) for handicap accessible access, and six (6) standard stalls.
4. An existing entrance off of Perruville Road bring traffic in along a paved driveway (Verizon Lane) into the original storage complex. The new storage building will be accessed by the same driveway. Fire truck turn around should be able to be satisfied by pulling up alongside the proposed building entrance, then continuing into the rest of the storage complex to the east and using the turnaround designed for such purposes within.
5. Additional vehicle traffic into the combined complex (existing and new) will be about 10 cars/day.

Public Services

1. Fire protection will be handled by the Town of Lansing.

Lighting

Lighting will be of the same type and positioning as that of the other storage buildings owned by United Storage.

Utility Services

The site will be served by standard electrical utilities that will require only minor extension from existing service lines feeding the storage complex to the east. No additional utilities are anticipated. Electricity will feed low level lighting, mini splits for heating and cooling, and standard power outlets.

Flood Hazard

This building will be well above the 100 year flood plain.

Agriculture

This property is not part of an Ag District. There should be no conflict of noise or odors.

Sewerage

This project will not require a sewer system. No waste facilities are planned.

Water System

This project will not require a water connection. No potable water facilities are planned.

Timothy C. Buhl, PE

GENERAL NOTES

NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, NOVEMBER 2016

1. PHYSICALLY MARK LIMITS OF LAND DISTURBANCE ON THE SITE WITH TAPE, SIGNS, OR ORANGE CONSTRUCTION FENCE, SO THAT WORKERS CAN SEE THE AREAS TO BE PROTECTED.

2. DIVERT OFF-SITE RUNOFF FROM HIGHLY ERODIBLE SOILS AND STEEP SLOPES TO STABLE AREAS.

3. CLEAR ONLY WHAT IS REQUIRED FOR IMMEDIATE CONSTRUCTION ACTIVITY. LARGE PROJECTS SHOULD BE CLEARED AND GRADED AS CONSTRUCTION PROGRESSES. AREAS EXCEEDING TWO ACRES IN SIZE SHOULD NOT BE DISTURBED WITHOUT A SEQUENCING PLAN THAT REQUIRES PRACTICES TO BE INSTALLED AND THE SOIL STABILIZED, AS DISTURBANCE BEYOND THE TWO ACRES CONTINUES. MASS CLEARINGS AND GRADING OF ENTIRE SITE SHOULD BE AVOIDED.

4. RESTABILIZE DISTURBED AREAS AS SOON AS POSSIBLE AFTER CONSTRUCTION IS COMPLETED. ON SITES GREATER THAN TWO ACRES IN SIZE, WAITING UNTIL ALL DISTURBED AREAS ARE READY FOR SEEDING IS UNACCEPTABLE. FOURTEEN DAYS SHALL BE THE MAXIMUM EXPOSURE PERIOD. MAINTENANCE MUST BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION. EXCEPT AS NOTED BELOW, ALL SITES SHALL BE SEEDED AND STABILIZED WITH EROSION CONTROL MATERIALS, SUCH AS STRAW MULCH, JUTE MESH, OR EXCELSIOR, INCLUDING AREAS WHERE CONSTRUCTION HAS BEEN SUSPENDED OR SECTIONS COMPLETED:

A. FOR ACTIVE CONSTRUCTION AREAS SUCH AS BORROW OR STOCKPILE AREAS, ROADWAY IMPROVEMENTS AND AREAS WITHIN 50 FT. OF A BUILDING UNDER CONSTRUCTION, A PERIMETER SEDIMENT CONTROL SYSTEM CONSISTING, FOR EXAMPLE, SILT FENCING, SHALL BE INSTALLED AND MAINTAINED TO CONTAIN SOIL. EXPOSED DISTURBED AREAS ADJACENT TO A CONVEYANCE THAT PROVIDES RAPID OFF-SITE DISCHARGE OF SEDIMENT, SUCH AS A CUT SLOPE AT AN ENTRANCE, SHALL BE COVERED WITH PLASTIC OR, GEOTEXTILE FABRIC TO PREVENT SOIL LOSS UNTIL IT CAN BE STABILIZED. STABILIZED CONSTRUCTION ENTRANCES WILL BE MAINTAINED TO CONTROL VEHICLE TRACKING MATERIAL OFF-SITE.

B. ON THE CUT SIDE OF ROADS, DITCHES SHALL BE STABILIZED IMMEDIATELY WITH ROCK RIP-RAP OR OTHER NON-ERODIBLE LINERS (EG. ROLLED EROSION PRODUCTS), OR WHERE APPROPRIATE, VEGETATIVE MEASURES SUCH AS SOD.

C. PERMANENT SEEDING SHOULD OPTIMALLY BE UNDERTAKEN IN THE SPRING FROM MARCH THROUGH MAY, AND IN LATE SUMMER AND EARLY FALL FROM SEPTEMBER TO OCTOBER 15. DURING THE PEAK SUMMER MONTHS AND IN THE FALL AFTER OCTOBER 15, WHEN SEEDING IS FOUND TO BE IMPRACTICABLE, AN APPROPRIATE TEMPORARY MULCH SHALL BE APPLIED. PERMANENT SEEDING MAY BE UNDERTAKEN DURING THE SUMMER IF PLANS PROVIDE FOR ADEQUATE WATERING. TEMPORARY SEEDING WITH RYE CAN BE UTILIZED THROUGH NOVEMBER.

D. ALL SLOPES STEEPER THAN 3:1 (H:V), OR 33.3%, AS WELL AS PERIMETER DIKES, SEDIMENT BASINS AND TRAPS, AND EMBANKMENTS SHALL, UPON COMPLETION, BE IMMEDIATELY STABILIZED WITH SOD, SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES. AREAS OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM SHALL NOT BE DISTURBED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

E. TEMPORARY SEDIMENT TRAPPING DEVICES SHALL NOT BE REMOVED UNTIL PERMANENT STABILIZATION IS ESTABLISHED IN ALL CONTIRBUTORY DRAINAGE AREAS. SIMILARLY, STABILIZATION SHALL BE ESTABLISHED PRIOR TO CONVERTING SEDIMENT TRAPS/BASINS INTO PERMANENT (POST-CONSTRUCTION) STORMWATER MANAGEMENT PRACTICES.

5. IF TEMPORARY WORK ROADS OR HAUL ROADS CROSS STREAM CHANNELS, ADEQUATE WATERWAY OPENINGS SHALL BE CONSTRUCTED USING SPANS, CULVERTS, WASHED ROCK BACKFILL, OR OTHER ACCEPTABLE, CLEAN METHODS THAT WILL ENSURE THAT ROAD CONSTRUCTION AND THEIR USE DO NOT RESULT IN TURBIDITY AND SEDIMENT DOWNSTREAM. ALL CROSSING ACTIVITIES AND APPURTENANCES ON STREAMS REGULATED BY ARTICLE 15 OF THE ENVIRONMENTAL CONSERVATION LAW SHALL BE IN COMPLIANCE WITH A PERMIT ISSUED PURSUANT TO ARTICLE 15 OF THE ECL.

6. MAKE SURE THAT ALL CONTRACTORS AND SUB-CONTRACTORS UNDERSTAND THE ESC PLAN AND SIGN THE CERTIFICATION STATEMENT REQUIRED BY NYSDEC GP.

7. DESIGNATE RESPONSIBLITY FOR THE ESC PLAN TO ONE INDIVIDUAL. THIS PERSON SHALL BE NAMED IN THE NOTICE OF INTENT.

8. AN ESC PLAN INSPECTION PROGRAM MEETING THE REQUIREMENTS OF THE NYSDEC GP, IS NECESSARY TO DETERMINE WHEN ESC MEASURES NEED MAINTENANCE OR REPAIR. PAY PARTICULAR ATTENTION TO INSPECTIONS REQUIRED AFTER RAINFALL. THE INSPECTION PROGRAM SHALL ALSO STATE THE COMPLETION OF IDENTIFIED REPAIR AND MAINTENANCE ITEMS.

9. IF CONSTRUCTION ACTIVITIES CONTINUE DURING WINTER, ACCESS POINTS SHOULD BE ENLARGED AND STABILIZED TO PROVIDE FOR SNOW STOCKPILING. IN ADDITION SNOW MANAGEMENT PLAN SHOULD BE PREPARED WITH ADEQUATE STORAGE AND CONTROL OF MELTWATER. A MINIMUM 25 FOOT BUFFER SHALL BE MAINTAINED FROM PERIMETER CONTROLS SUCH AS SILT FENCING. KEEP DRAINAGE STRUCTURES OPEN AND FREE OF SNOW AND ICE DAMS. INSPECTION AND MAINTENANCE ARE NECESSARY TO ENSURE THE FUNCTION OF THESE PRACTICES DURING RUNOFF EVENTS.

LAND GRADING SPECIFICATIONS

1. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.

2. ALL FILL TO BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.

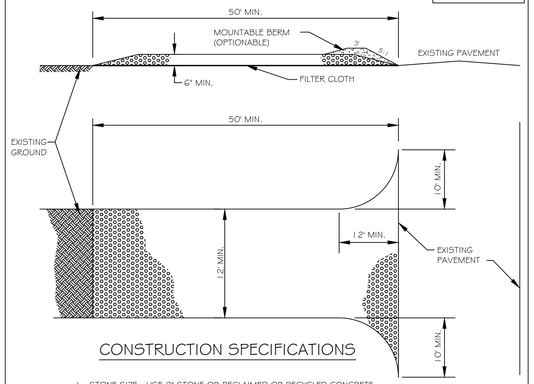
3. FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.

4. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.

5. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.

STABILIZED CONSTRUCTION ENTRANCE

SYMBOL: SCE

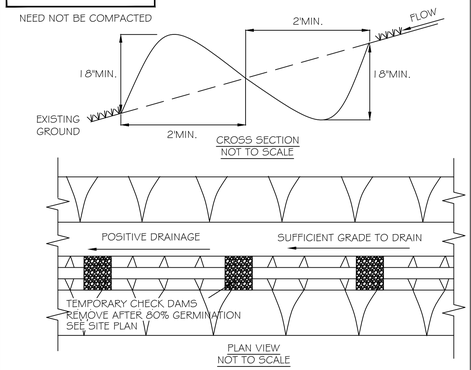


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MIN. LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MIN. BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPINGS DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
10. TEMPORARY CONSTRUCTION ENTRANCES, EXITS AND TEMPORARY ACCESS SHALL BE SUBJECT TO THE APPROVAL OF THE APPROPRIATE AUTHORITIES.

GRASSED/VEGETATED SWALE

SYMBOL: G



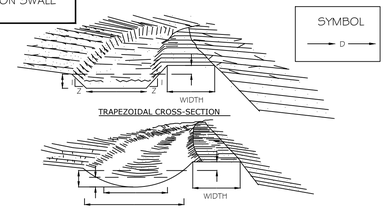
CONSTRUCTION SPECIFICATIONS

GRASSED/VEGETATED SWALE

1. DRAINAGE AREA SHALL BE LESS THAN 5 ACRES.
2. HEIGHT SHALL BE NO LESS THAN 18-INCHES FROM BOTTOM OF SWALE TO TOP OF DIKE EVENLY DIVIDED BETWEEN DIKE HEIGHT AND SWALE DEPTH.
3. BOTTOM WIDTH OF DIKE SHALL BE NO LESS THAN 2-FEET.
4. WIDTH OF SWALE SHALL BE NO LESS THAN 2-FEET.
5. SWALE SHALL HAVE POSITIVE DRAINAGE TO AN ADEQUATELY STABILIZED OUTLET TO AN UNDISTURBED AREA. MAXIMUM ALLOWABLE GRADE NOT TO EXCEED 6%.
6. THE DISTURBED AREA OF THE DIKE AND SWALE SHALL BE STABILIZED WITHIN 7 DAYS OF INSTALLATION, IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR TEMPORARY SWALES.
7. DIVERTED RUNOFF FROM A DISTURBED OR EXPOSED UPLAND AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A TRAP, BASIN, OR TO AN AREA PROTECTED BY ANY OF THESE PRACTICES
8. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

DIVERSION SWALE

SYMBOL: D

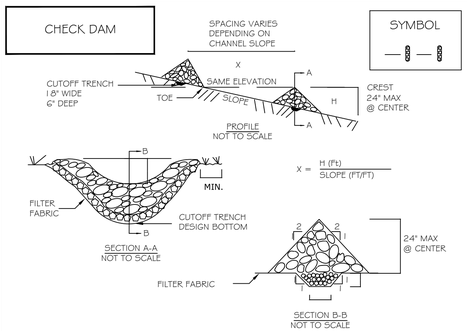


CONSTRUCTION SPECIFICATIONS

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.
2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE DIVERSION.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
5. STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES.
   A. FOR DESIGN VELOCITIES OF LESS THAN 3.5 FT. PER. SEC., SEEDING AND MULCHING MAY BE USED FOR THE ESTABLISHMENT OF THE VEGETATION. IT IS RECOMMENDED THAT, WHEN CONDITIONS PERMIT, TEMPORARY DIVERSIONS OR OTHER MEANS SHOULD BE USED TO PREVENT WATER FROM ENTERING THE DIVERSION DURING THE ESTABLISHMENT OF THE VEGETATION.
   B. FOR DESIGN VELOCITIES OF MORE THAN 3.5 FT. PER. SEC., THE DIVERSION SHALL BE STABILIZED WITH SOD, WITH SEEDING PROTECTED BY JUTE OR EXCELSIOR MATTING OR WITH SEEDING AND MULCHING INCLUDING TEMPORARY DIVERSION OF THE WATER UNTIL THE VEGETATION IS ESTABLISHED.

CHECK DAM

SYMBOL



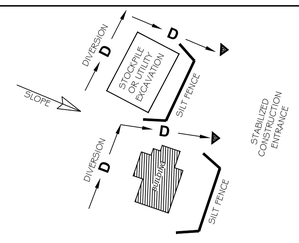
CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

MAXIMUM DRAINAGE AREA 2 ACRES.

TOP SOILING SPECIFICATIONS

1. PRESERVE EXISTING TOPSOIL IN PLACE WHERE POSSIBLE, THEREBY REDUCING THE NEED FOR ADDED TOPSOIL.
2. AS NEEDED, INSTALL EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, CHANNELS, SEDIMENT TRAPS, AND STABILIZING MEASURES, OR MAINTAIN IF ALREADY INSTALLED.
3. COMPLETE ROUGH GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED.
4. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%. AREAS THAT HAVE BEEN OVERLY COMPACTED SHALL BE DECOMPACTED TO A MINIMUM DEPTH OF 12-INCHES WITH A DEEP RIPPER OR CHISEL PLOW PRIOR TO TOPSOILING.
5. REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3-INCHES IN DIAMETER, AND OTHER LITTER.
6. TOPSOIL SHALL HAVE AT LEAST 6% BY WEIGHT OF FINE TEXTURED STABLE ORGANIC MATERIAL, AND NO GREATER THAN 20%. MUCK SOIL SHALL NOT BE CONSIDERED TOPSOIL.
7. TOPSOIL SHALL HAVE NOT LESS THAN 20% FINE TEXTURED MATERIAL (PASSING THE NO. 200 SIEVE) AND NOT MORE THAN 15% CLAY.
8. TOPSOIL TREATED WITH SOIL STERILANTS OR HERBICIDES SHALL BE SO IDENTIFIED TO THE PURCHASER.
9. TOPSOIL SHALL BE RELATIVELY FREE OF STONES OVER 1 1/2-INCHES IN DIAMETER, TRASH, NOXIOUS WEEDS SUCH AS NUT SEDGE AND QUACKGRASS, AND WILL HAVE LESS THAN 10% GRAVEL.
10. TOPSOIL CONTAINING SOLUBLE SALTS GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.
11. TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTIALLY FROZEN, MUDDY, OR ON FROZEN SLOPES OR OVER ICE, SNOW, OR STANDING WATER PUDDLES.
12. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED, AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.



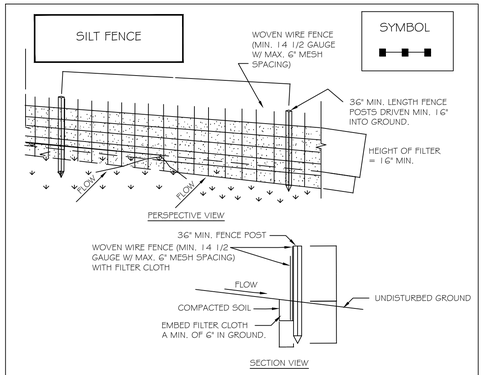
SEDIMENT & EROSION CONTROL MEASURES
TYPICAL
N.T.S.

MATERIAL STOCKPILING

1. FOR RESIDENTIAL CONSTRUCTION, ONE SPECIFIC AREA ON EACH LOT SHALL BE DESIGNATED FOR TEMPORARY STOCKPILING OF TOPSOIL AND ALL OTHER CONSTRUCTION MATERIALS CONTAINING FINES THAT CAN BE MOVED BY RUNOFF. THIS AREA SHALL BE AS SMALL AS PRACTICABLE .
2. STOCK PILES WILL HAVE DOWN HILL SIDE PERIMETER SILT FENCING PROTECTION. REFERENCE SILT FENCE DETAILS THESE PLANS.
3. STOCK PILES WILL BE SEEDED AND MULCHED IF ANTICPATED TO BE LEFT IN PLACE 14-DAYS OR MORE. REFERENCE DETAIL SHEET NOTES AND SPECIFICATIONS THIS PLANT SET AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ACCOMPANYING THIS PLAN SET.
4. SILT FENCE AND OTHER TEMPORARY CONTROL MEASURES SHALL BE IN PLACE BEFORE STOCKPILING OF MATERIALS.

SILT FENCE

SYMBOL



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

CONCRETE WASHOUT

CONSTRUCTION SPECIFICATIONS

DESIGN CRITERIA

1. THE WASHOUT FACILITY SHOULD BE SIZED TO CONTAIN SOLIDS, WASHWATER AND RAINFALL AND SIZED TO ALLOW FOR THE EVAPORATION OF THE WASHWATER AND RAINFALL.
2. WASHWATER SHALL BE ESTIMATED AT 7 GALLONS PER CHUTE AND 50 GALLONS PER HOPPER OF CONCRETE PUMP TRUCK AND/OR DISCHARGING DRUM.
3. THE MINIMUM SIZE SHALL BE 8' X 8' AT THE BOTTOM AND 2' DEEP. IF EXCAVATED, THE SIDE SLOPES SHALL BNE 2 HORIZONTAL : 1 VERTICAL.
4. LOCATE THE FACILITY A MINIMUM OF 100' FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETALANDS, STREAMS AND OTHER SURFACE WATERS. PREVENT SURFACE WATER FROM ENTERING THE STRUCTURE EXCEPT FOR THE ACCESS ROAD.
5. PROVIDE APPROPRIATE ACCESS WITH A GRAVEL ACCESS ROAD SLOPED DOWN TO STRUCTURE.
6. SIGNS SHALL BE PLACED TO DIRECT DRIVERS TO THE FACILITY AFTER THEIR LOAD IS DISCHARGED.

THE LINER SHALL BE PLASTIC SHEETING WITH A MIN. THICKNESS OF 10 MILS WITH NO HOLES OR TEARS. ANCHOR THE LINER TO THE TOP OF THE PIT WITH AN EARTHEN BERM, SAND BAGS, STONE, ETC.

MAINTENANCE

1. INSPECT ALL FACILITIES DAILY. REPAIR ALL DAMAGED OR LEAKING WASHOUT STATIONS IMMEDIATELY.
2. PUMP OUT ANY ACCUMULATED RAINWATER OVER HARDENED CONCRETE.
3. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED.
4. DISPOSE OF HARDENED MATERIAL OFF-SITE IN A C/D LANDFILL. ON-SITE DISPOSAL IS ACCEPTABLE IF IT HAS BEEN APPORVED AND ACCEPTED AS PART OF THE SWPPP.
5. REPLACE THE PLASTIC LINER WITH EACH CLEANING OF WASHOUT FACILITY.
6. INSPECT THE PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.

EXCERPTS FROM NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL
NOVEMBER 2016

No.	Date	SYM.	REVISIONS Description

EROSION AND SEDIMENT CONTROL PLAN DETAILS

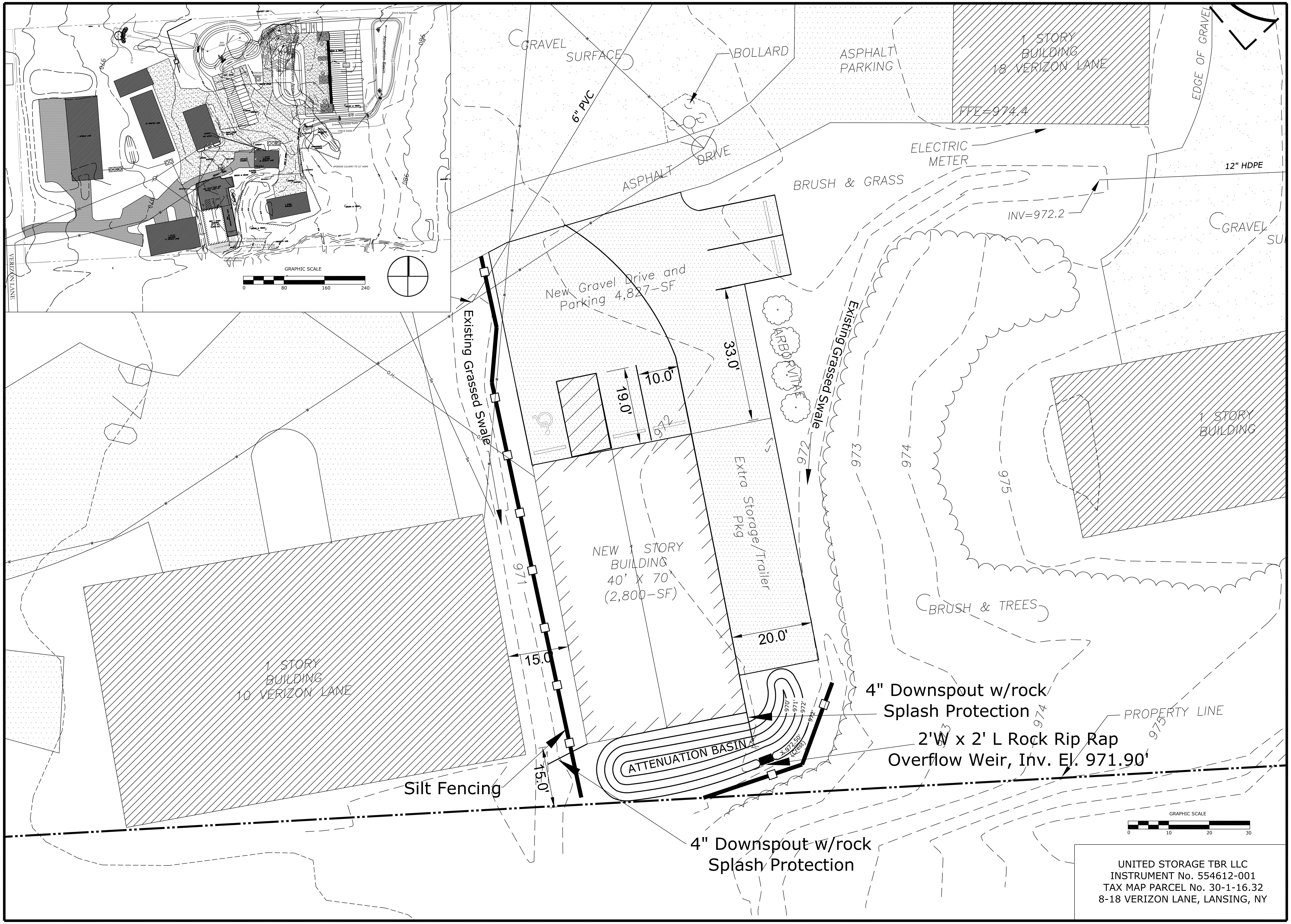
BILL DUTHIE
484 RIDGE ROAD
LANSING (T) TOMPKINS CO. N.Y.

NEW BUILDING
8-18 VERIZON LANE
LANSING, NY 14882

STATE OF NEW YORK — TIMOTHY C. BUHL — LICENSED PROFESSIONAL ENGINEER

TIMOTHY C. BUHL, P.E.
35 FIRE LANE 24, AUBURN, NY 13021

DATE: January 6, 2026
SCALE: N.T.S.
DRAWN: SDG
JOB:
SHEET: C-1006


GRAVEL SURFACE
6" PVC
BOLLARD
ASPHALT PARKING
1 STORY BUILDING 18 VERIZON LANE
FFE=974.4
EDGE OF GRAVEL
ASPHALT DRIVE
ELECTRIC METER
12" HDPE
BRUSH & GRASS
INV=972.2
GRAVEL SURFACE
VERIZON LANE
GRAPHIC SCALE
0 80 160 240
Existing Grassed Swale
New Gravel Drive and Parking 4,827-SF
33.0'
10.0'
19.0'
972
ARBORVITAE
Existing Grassed Swale
972
973
974
975
1 STORY BUILDING
NEW 1 STORY BUILDING 40' X 70' (2,800-SF)
Extra Storage/Trailer Pkg
971
BRUSH & TREES
1 STORY BUILDING 10 VERIZON LANE
15.0'
20.0'
4" Downspout w/rock Splash Protection
970'
971'
972'
974
975
PROPERTY LINE
2'W x 2' L Rock Rip Rap Overflow Weir, Inv. El. 971.90'
ATTENUATION BASIN
X 972.50' (Crest)
Silt Fencing
15.0'
4" Downspout w/rock Splash Protection
GRAPHIC SCALE
0 10 20 30
UNITED STORAGE TBR LLC
INSTRUMENT No. 554612-001
TAX MAP PARCEL No. 30-1-16.32
8-18 VERIZON LANE, LANSING, NY

REVISIONS

No.	Date	SYM.	Description

SITE AND GRADING PLAN

NEW BUILDING
8-18 VERIZON LANE
LANSING, NY 14882

JOHN DUTHIE
484 RIDGE ROAD
LANSING (T) TOMPKINS CO. N.Y.

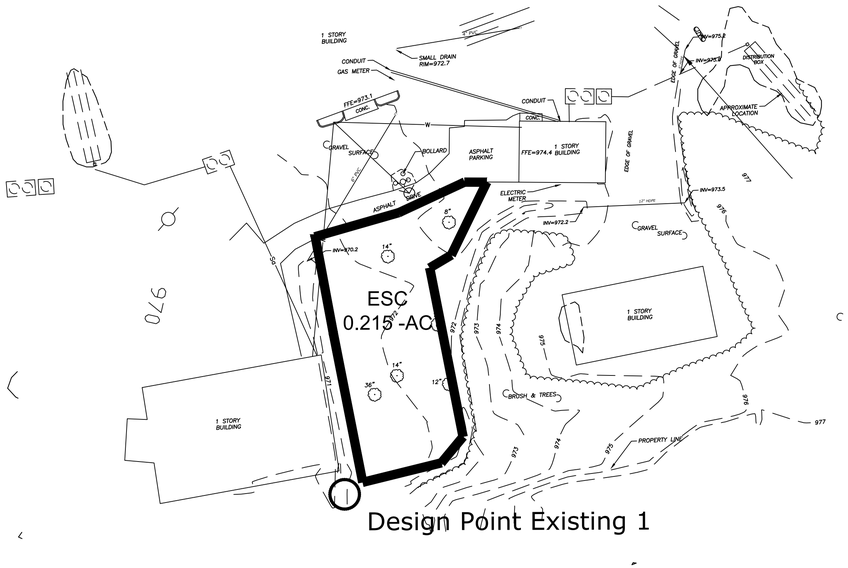
STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER

TIMOTHY C. BUHL, P.E.
35 FIRE LANE 24, AUBURN, NY 13021

DATE: Jan 6, 2026
SCALE: 1" = 10'
DRAWN: SDG
JOB:
SHEET:
C-1007

Existing Flow Conditions at Design Point		
Storm Event	Peak Flow (CFS)	Total Volume (AF)
1-Year	0.090	0.004
10-Year	0.390	0.017
100-Year	1.050	0.047

Proposed Flow Conditions at Design Point		
Storm Event	Peak Flow (CFS)	Total Volume (AF)
1-Year	0.031	0.014
10-Year	0.600	0.029
100-Year	1.090	0.065



Design Point Existing 1

Existing Subcatchment - ESC
Existing Site Conditions - Area = 9,351-SF (0.215-AC)

Surface Conditions & Soils:
100% Ovid, OaA - Hydrologic Soil Group (HSG) C

Runoff Curve Number = 72, Woods and Brush, Good HSG C Soils

Overland Stormwater Runoff - Longest Flowpath = Time of Conc. - 6 Min Minimum

To Design Point - (DPE)

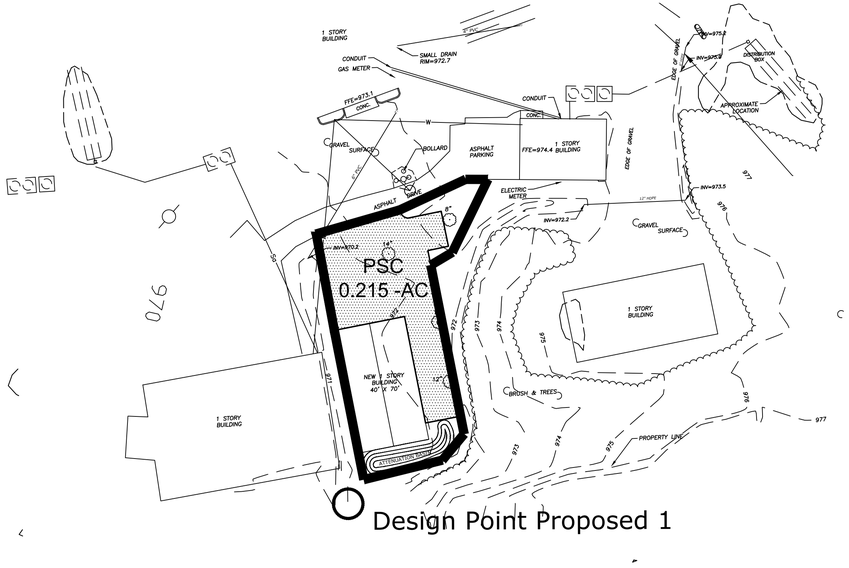
Proposed Subcatchment - PSC
Proposed Site Conditions - Area = 9,351-SF (0.215-AC)

Surface Conditions & Soils:
100% Ovid, OaA - Hydrologic Soil Group (HSG) C

Runoff Curve Number = 72, Woods and Brush, Good HSG C Soils
Runoff Curve Number = 98, Building and Gravel Parking, Good HSG C Soils

Overland Stormwater Runoff - Longest Flowpath = Time of Conc. 6 Min Miniumum

To Design Point - (DPP)



Design Point Proposed 1

REFERENCE HYDROCAD (HYDRAULIC & HYDROLOGIC) MODELING RESULTS ABOVE

REVISIONS

No.	Date	SYM.	Description

HYDRAULIC AND HYDROLOGIC
RUNOFF ANALYSIS WORKSHEET
BUILDING EXPANSION

NEW BUILDING
8-18 VERIZON LANE
LANSING, NY 14882

BILL DUTHIE
484 RIDGE ROAD
LANSING (T) TOMPKINS CO. N.Y.

STATE OF NEW YORK — TIMOTHY C. BUHL — LICENSED PROFESSIONAL ENGINEER

TIMOTHY C. BUHL,P.E.
35 FIRE LANE 24, AUBURN, NY 13021

DATE: January 6, 2026
SCALE: 1"=40'
DRAWN: SDG
JOB:
SHEET: C-1008

Short Environmental Assessment Form
Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. **The applicant or project sponsor is responsible for the completion of Part 1.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information

Name of Action or Project:

Project Location (describe, and attach a location map):

Brief Description of Proposed Action:

Name of Applicant or Sponsor:	Telephone:
	E-Mail:

Address:

City/PO:	State:	Zip Code:

	NO	YES
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.	☐	☐
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval:	☐	☐

3. a. Total acreage of the site of the proposed action? _____ acres
   b. Total acreage to be physically disturbed? _____ acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. Urban Rural (non-agriculture) Industrial Commercial Residential (suburban)

☐ Forest Agriculture Aquatic Other(Specify):

☐ Parkland

	NO	YES
5. Is the proposed action,		
a. A permitted use under the zoning regulations?	☐	☐
b. Consistent with the adopted comprehensive plan?	☐	☐
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	☐	☐
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	☐	☐
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	☐	☐
b. Are public transportation services available at or near the site of the proposed action?	☐	☐
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	☐	☐
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____ _____	☐	☐
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ _____	☐	☐
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ _____	☐	☐
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?	☐	☐
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	☐	☐
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	☐	☐
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____	☐	☐

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐Shoreline ☐ Forest Agricultural/grasslands Early mid-successional

Wetland ☐ Urban Suburban

	NO	YES
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	☐	☐
16. Is the project site located in the 100-year flood plan?	☐	☐
17. Will the proposed action create storm water discharge, either from point or non-point sources?	☐	☐
If Yes,		
a. Will storm water discharges flow to adjacent properties?	☐	☐
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	☐	☐
If Yes, briefly describe: _____ _____		
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)?	☐	☐
If Yes, explain the purpose and size of the impoundment: _____ _____		
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?	☐	☐
If Yes, describe: _____ _____		
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?	☐	☐
If Yes, describe: _____ _____		

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Applicant/sponsor/name: _____ Date: _____

Signature _____ Title: _____

Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources to confirm data provided by the Mapper or to obtain data not provided by the Mapper.

Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	No
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local, New York State, and federal wetlands and waterbodies is known to be incomplete. Refer to the EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
Part 1 / Question 20 [Remediation Site]	No

AGRICULTURAL DATA STATEMENT

Per § 305-a of the New York State Agriculture and Markets Law, any application for a special use permit, site plan approval, use variance, or subdivision approval requiring municipal review and approval that would occur on property within a New York State Certified Agricultural District containing a farm operation or property with boundaries within 500 feet of a farm operation located in an Agricultural District shall include an Agricultural Data Statement.

A. Name of applicant: John Duthie

Mailing address: 484 Ridge Road Lansing, NY 14882

B. Description of the proposed project: 40 x 70 / cold storage building

C. Project site address: 8-20 Verizon Lane Town: Lansing NY

D. Project site tax map number: 30.-1-16.32

E: The project is located on property:
☐ within an Agricultural District containing a farm operation, or
☑ with boundaries within 500 feet of a farm operation located in an Agricultural District.

F. Number of acres affected by project: .10

G. Is any portion of the project site currently being farmed?
☐ Yes. If yes, how many acres_____ or square feet_____ ?
☑ No.

H. Name and address of any owner of land containing farm operations within the Agricultural District and is located within 500 feet of the boundary of the property upon which the project is proposed.

D. & C. Mattoon, 1118 East Venice Rd Locke, NY 13092

I. Attach a copy of the current tax map showing the site of the proposed project relative to the location of farm operations identified in Item H above.

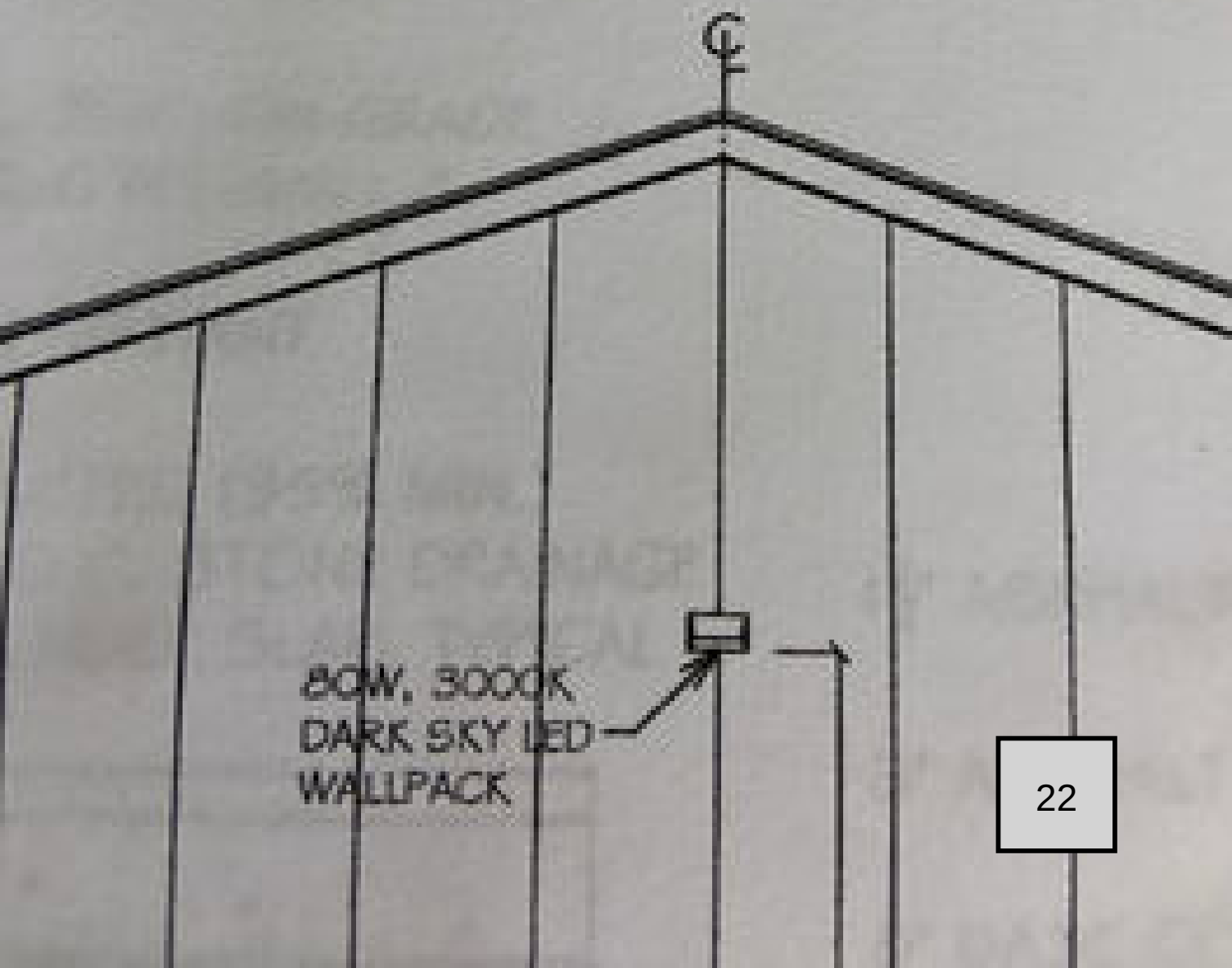
FARM NOTE

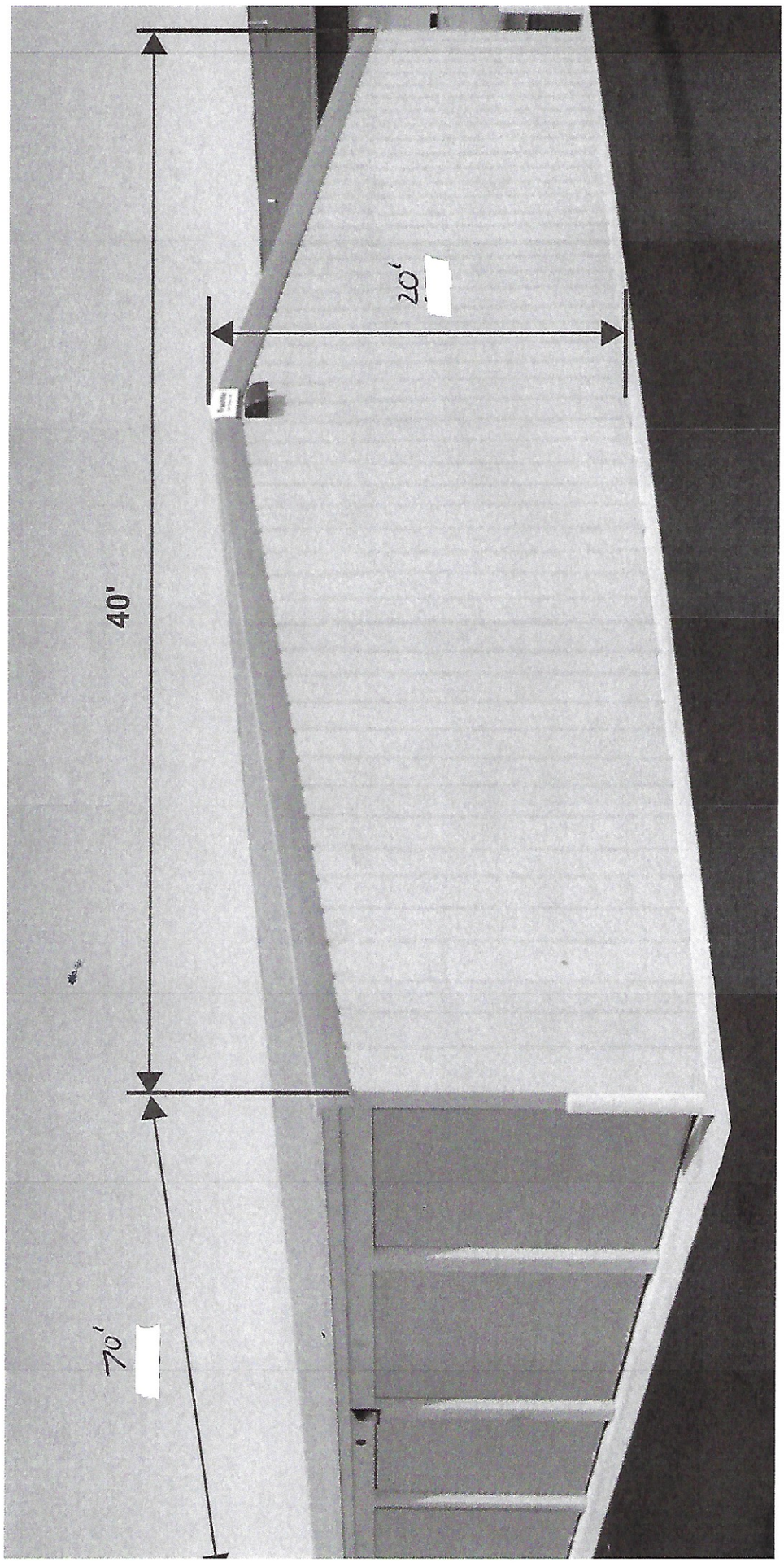
Prospective residents should be aware that farm operations may generate dust, odor, smoke, noise, vibration and other conditions that may be objectionable to nearby properties. Local governments shall not unreasonably restrict or regulate farm operations within State Certified Agricultural Districts unless it can be shown that the public health or safety is threatened.

John Duthie
Name and Title of Person Completing Form

12/1/25
Date

159
171
177
183
6
818
35
ACTIVE FARM OPERATION
Project Site

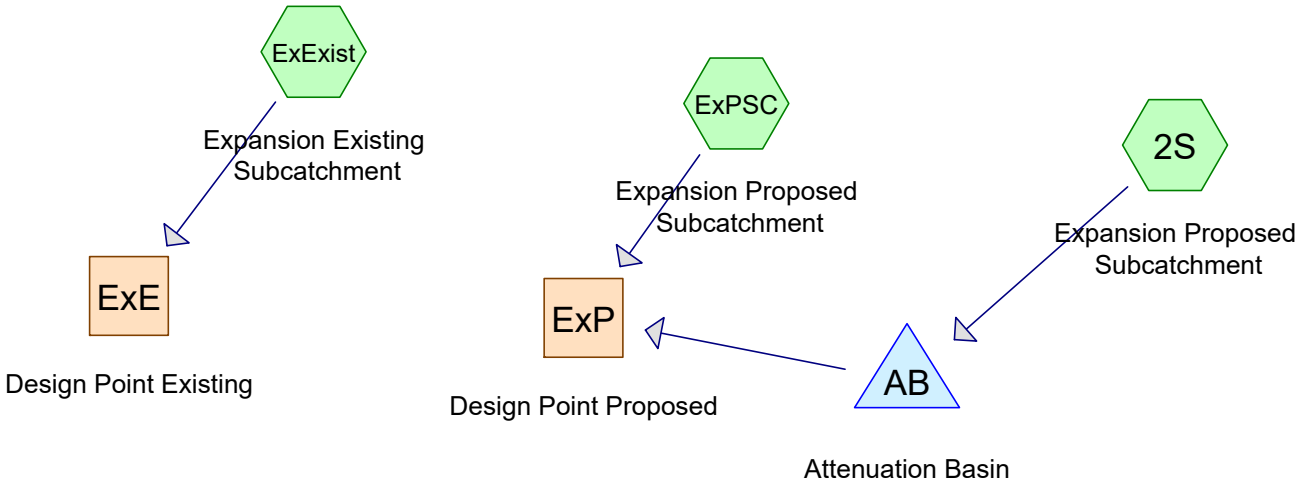

℄
80W, 3000K
DARK SKY LED
WALLPACK


40'
20'
70'

Google Maps

Imagery ©2025 Airbus, Maxar Technologies, Map data ©2025 50 ft

Setbacks N- 250'
S- will be at least the 10' minimum
E- 390'
W- 320'



Subcat Reach Pond Link

Routing Diagram for DuthieExpansion
Prepared by {enter your company name here}, Printed 1/20/2026
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DuthieExpansion

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.048	98	Building, HSG C (ExPSC)
0.037	96	Gravel Parking, HSG C (2S)
0.074	96	Gravel parking, HSG C (ExPSC)
0.016	98	Rooftop, Good, HSG C (2S)
0.254	72	Woods/grass comb., Good, HSG C (2S, ExExist, ExPSC)
0.429	**82**	**TOTAL AREA**

DuthieExpansion

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	0.048	0.000	0.000	0.048	Building	ExPSC
0.000	0.000	0.037	0.000	0.000	0.037	Gravel Parking	2S
0.000	0.000	0.074	0.000	0.000	0.074	Gravel parking	ExPSC
0.000	0.000	0.016	0.000	0.000	0.016	Rooftop, Good	2S
0.000	0.000	0.254	0.000	0.000	0.254	Woods/grass comb., Good	2S, ExExist, ExPSC
0.000	**0.000**	**0.429**	**0.000**	**0.000**	**0.429**	**TOTAL AREA**	

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 2S: Expansion Proposed Runoff Area=3,208 sf 21.82% Impervious Runoff Depth>1.00"
Tc=6.0 min CN=90 Runoff=0.14 cfs 0.006 af

Subcatchment ExExist: Expansion Existing Runoff Area=9,351 sf 0.00% Impervious Runoff Depth>0.25"
Tc=6.0 min CN=72 Runoff=0.09 cfs 0.004 af

Subcatchment ExPSC: Expansion Proposed Runoff Area=6,143 sf 34.19% Impervious Runoff Depth>1.22"
Tc=6.0 min CN=93 Runoff=0.31 cfs 0.014 af

Reach ExE: Design Point Existing Inflow=0.09 cfs 0.004 af
Outflow=0.09 cfs 0.004 af

Reach ExP: Design Point Proposed Inflow=0.31 cfs 0.014 af
Outflow=0.31 cfs 0.014 af

Pond AB: Attenuation Basin Peak Elev=0.99' Storage=243 cf Inflow=0.14 cfs 0.006 af
Discarded=0.00 cfs 0.001 af Primary=0.00 cfs 0.000 af Outflow=0.00 cfs 0.001 af

Total Runoff Area = 0.429 ac Runoff Volume = 0.025 af Average Runoff Depth = 0.70"
85.03% Pervious = 0.365 ac 14.97% Impervious = 0.064 ac

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Summary for Subcatchment 2S: Expansion Proposed Subcatchment

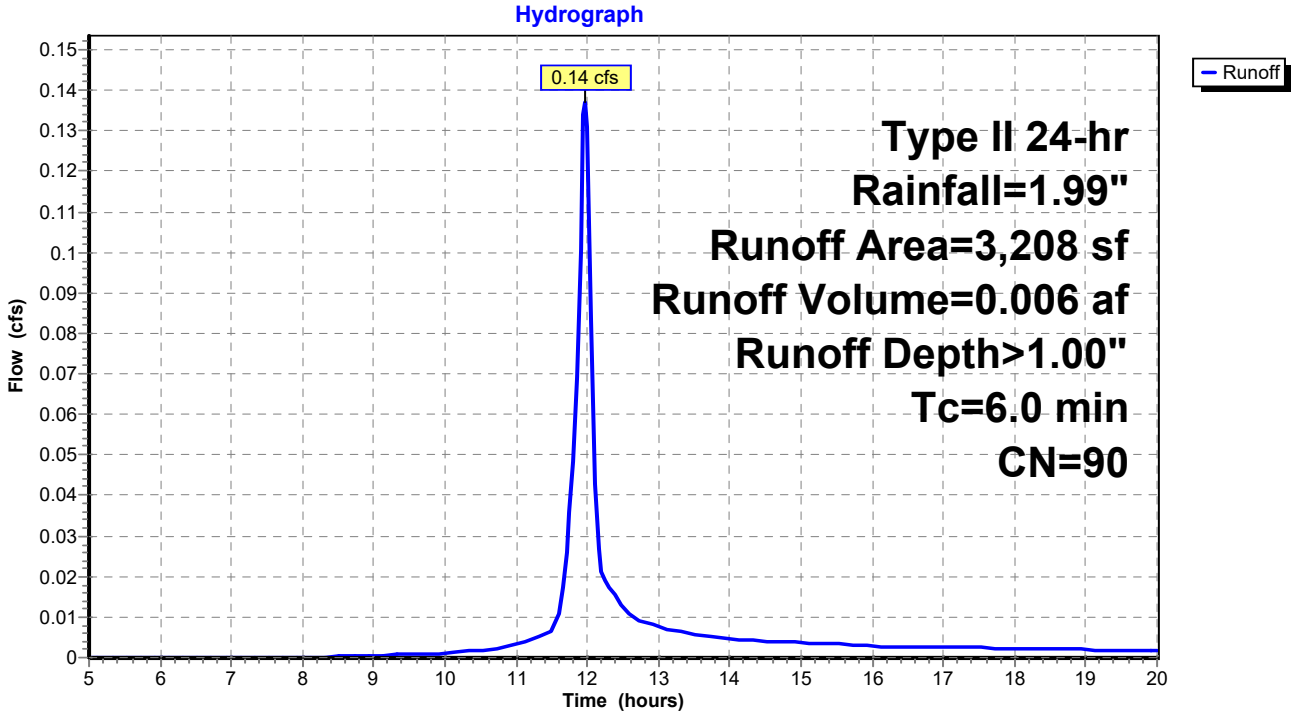
Runoff = 0.14 cfs @ 11.97 hrs, Volume= 0.006 af, Depth> 1.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr Rainfall=1.99"

	Area (sf)	CN	Description
*	1,610	96	Gravel Parking, HSG C
	898	72	Woods/grass comb., Good, HSG C
*	700	98	Rooftop, Good, HSG C
	3,208	90	Weighted Average
	2,508		78.18% Pervious Area
	700		21.82% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, 6 Minute Minimum**

Subcatchment 2S: Expansion Proposed Subcatchment



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Summary for Subcatchment ExExist: Expansion Existing Subcatchment

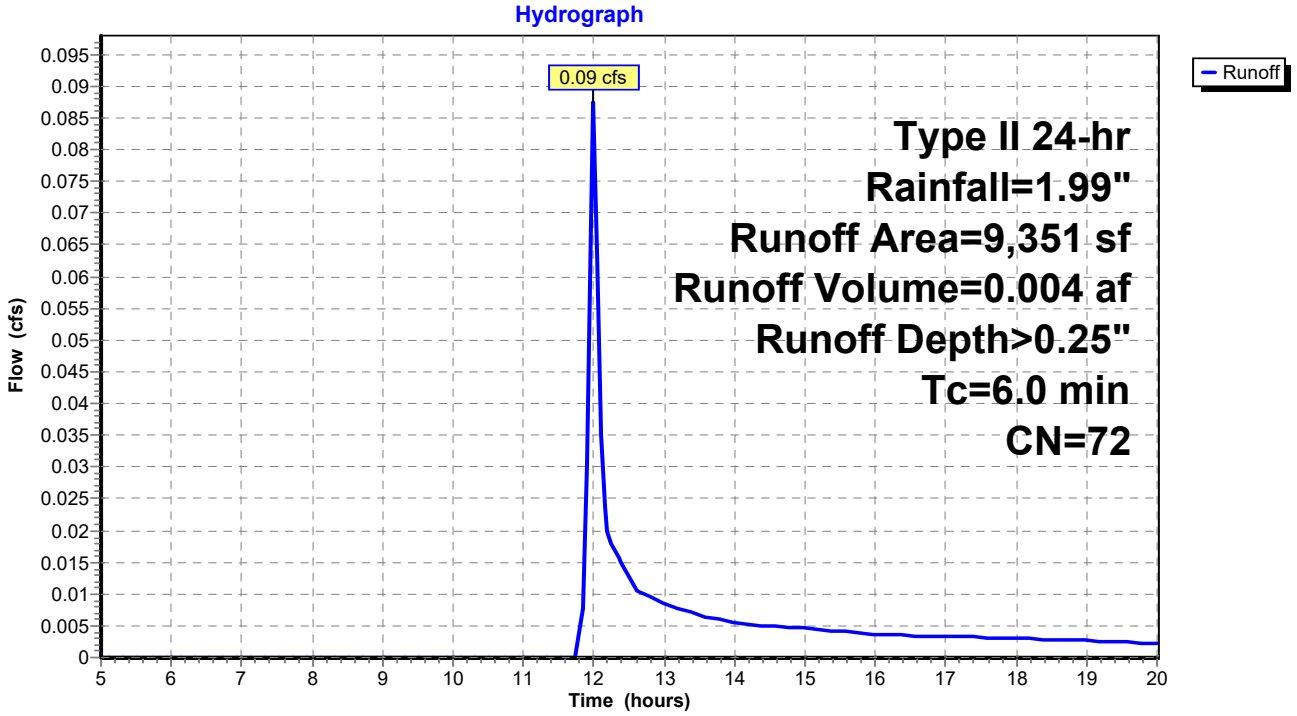
Runoff = 0.09 cfs @ 12.00 hrs, Volume= 0.004 af, Depth> 0.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr Rainfall=1.99"

Area (sf)	CN	Description
9,351	72	Woods/grass comb., Good, HSG C
9,351		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, 6 Minute Minimum**

Subcatchment ExExist: Expansion Existing Subcatchment



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Summary for Subcatchment ExPSC: Expansion Proposed Subcatchment

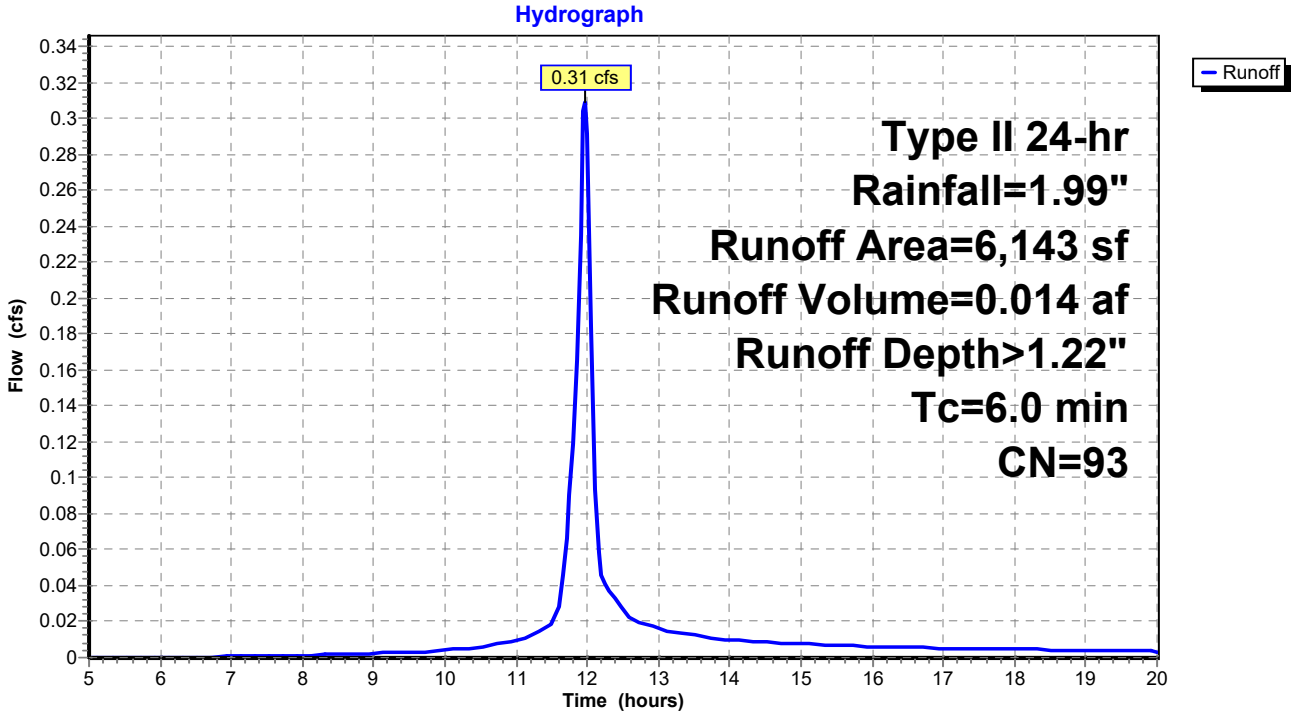
Runoff = 0.31 cfs @ 11.97 hrs, Volume= 0.014 af, Depth> 1.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr Rainfall=1.99"

	Area (sf)	CN	Description
*	3,217	96	Gravel parking, HSG C
*	2,100	98	Building, HSG C
	826	72	Woods/grass comb., Good, HSG C
	6,143	93	Weighted Average
	4,043		65.81% Pervious Area
	2,100		34.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, 6 Minute Minimum**

Subcatchment ExPSC: Expansion Proposed Subcatchment



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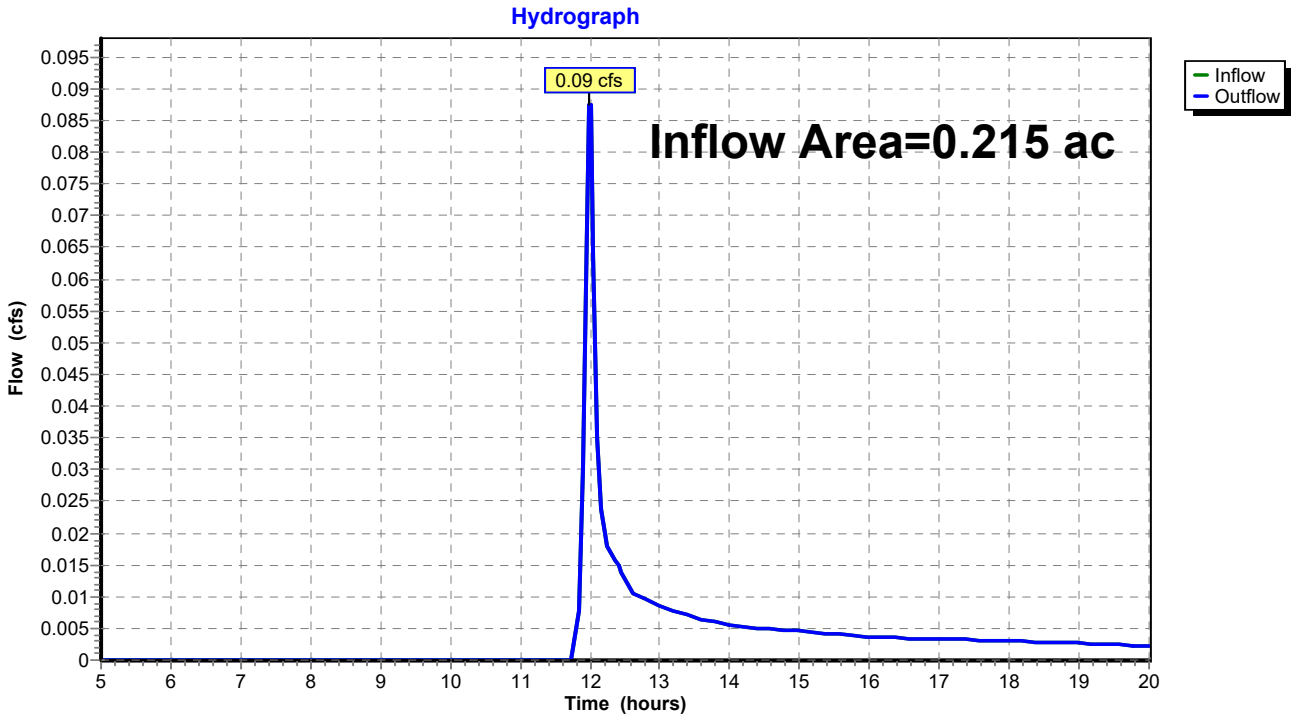
Summary for Reach ExE: Design Point Existing

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.215 ac, 0.00% Impervious, Inflow Depth > 0.25"
Inflow = 0.09 cfs @ 12.00 hrs, Volume= 0.004 af
Outflow = 0.09 cfs @ 12.00 hrs, Volume= 0.004 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Reach ExE: Design Point Existing



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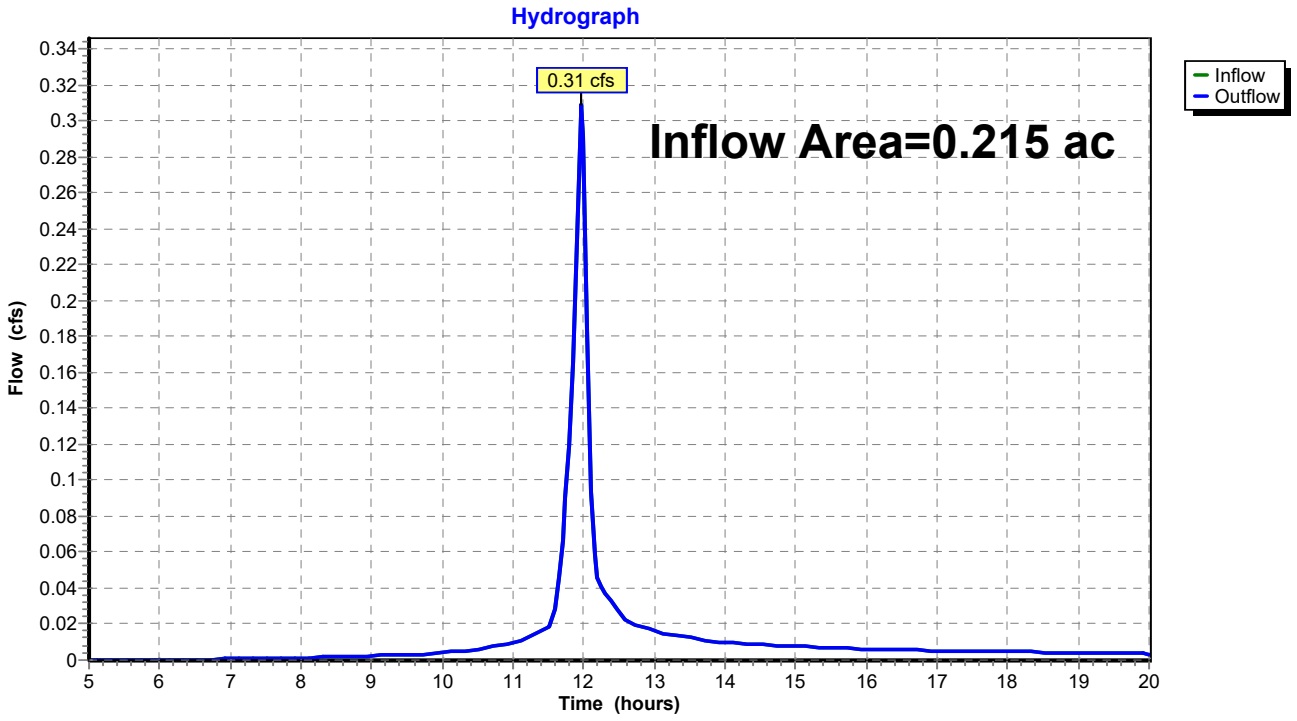
Summary for Reach ExP: Design Point Proposed

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.215 ac, 29.94% Impervious, Inflow Depth > 0.80"
Inflow = 0.31 cfs @ 11.97 hrs, Volume= 0.014 af
Outflow = 0.31 cfs @ 11.97 hrs, Volume= 0.014 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Reach ExP: Design Point Proposed



Summary for Pond AB: Attenuation Basin

Inflow Area = 0.074 ac, 21.82% Impervious, Inflow Depth > 1.00"
Inflow = 0.14 cfs @ 11.97 hrs, Volume= 0.006 af
Outflow = 0.00 cfs @ 20.00 hrs, Volume= 0.001 af, Atten= 99%, Lag= 481.8 min
Discarded = 0.00 cfs @ 20.00 hrs, Volume= 0.001 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 0.99' @ 20.00 hrs Surf.Area= 349 sf Storage= 243 cf

Plug-Flow detention time= 270.5 min calculated for 0.001 af (9% of inflow)
Center-of-Mass det. time= 141.5 min (924.3 - 782.8)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	870 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
0.00	140	0	0
1.00	350	245	245
2.00	600	475	720
2.50	0	150	870

Device	Routing	Invert	Outlet Devices
#1	Primary	1.90'	**2.0' long x 2.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 Coef. (English) 2.54 2.61 2.61 2.60 2.66 2.70 2.77 2.89 2.88 2.85 3.07 3.20 3.32
#2	Discarded	0.00'	**0.100 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.00 cfs @ 20.00 hrs HW=0.99' (Free Discharge)
↑—**2=Exfiltration** (Exfiltration Controls 0.00 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=0.00' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

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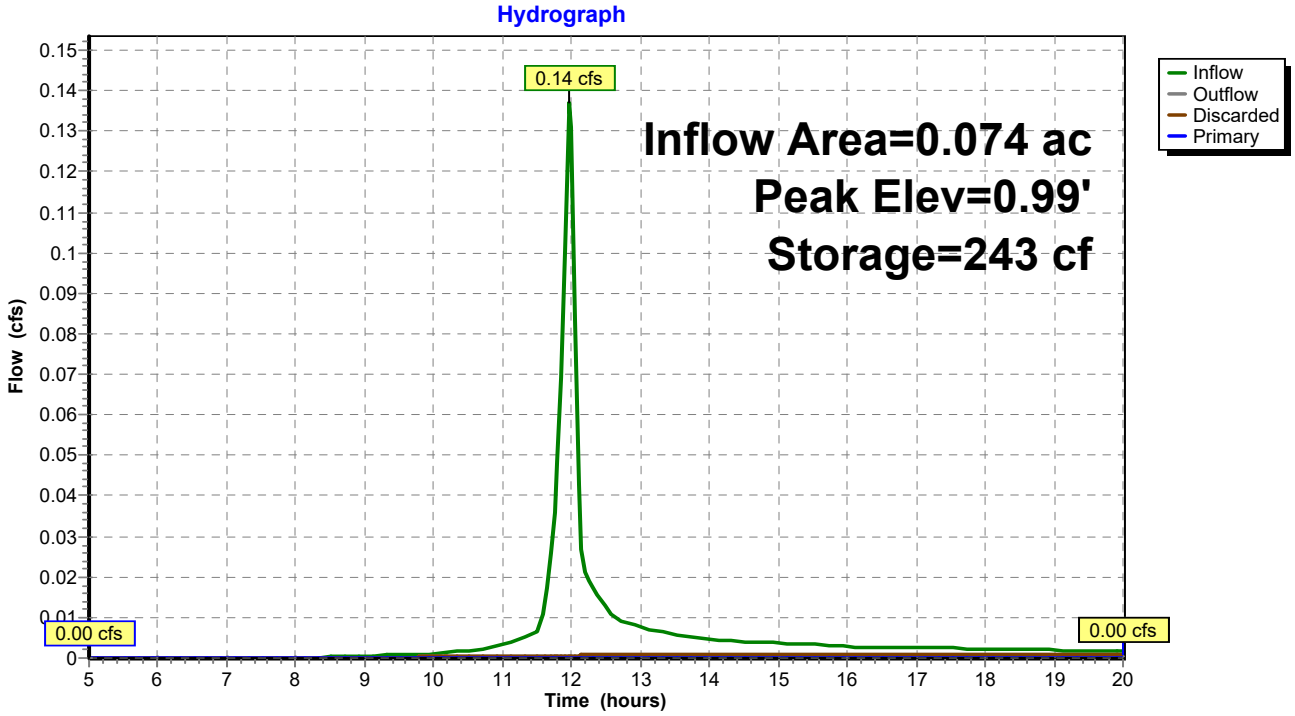
Pond AB: Attenuation Basin



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Printed 1/20/2026

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.048	98	Building, HSG C (ExPSC)
0.037	96	Gravel Parking, HSG C (2S)
0.074	96	Gravel parking, HSG C (ExPSC)
0.016	98	Rooftop, Good, HSG C (2S)
0.254	72	Woods/grass comb., Good, HSG C (2S, ExExist, ExPSC)
0.429	**82**	**TOTAL AREA**

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Printed 1/20/2026

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	0.048	0.000	0.000	0.048	Building	ExPSC
0.000	0.000	0.037	0.000	0.000	0.037	Gravel Parking	2S
0.000	0.000	0.074	0.000	0.000	0.074	Gravel parking	ExPSC
0.000	0.000	0.016	0.000	0.000	0.016	Rooftop, Good	2S
0.000	0.000	0.254	0.000	0.000	0.254	Woods/grass comb., Good	2S, ExExist, ExPSC
0.000	**0.000**	**0.429**	**0.000**	**0.000**	**0.429**	**TOTAL AREA**	

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 2S: Expansion Proposed Runoff Area=3,208 sf 21.82% Impervious Runoff Depth>2.19"
Tc=6.0 min CN=90 Runoff=0.29 cfs 0.013 af

Subcatchment ExExist: Expansion Existing Runoff Area=9,351 sf 0.00% Impervious Runoff Depth>0.94"
Tc=6.0 min CN=72 Runoff=0.39 cfs 0.017 af

Subcatchment ExPSC: Expansion Proposed Runoff Area=6,143 sf 34.19% Impervious Runoff Depth>2.47"
Tc=6.0 min CN=93 Runoff=0.60 cfs 0.029 af

Reach ExE: Design Point Existing Inflow=0.39 cfs 0.017 af
Outflow=0.39 cfs 0.017 af

Reach ExP: Design Point Proposed Inflow=0.60 cfs 0.029 af
Outflow=0.60 cfs 0.029 af

Pond AB: Attenuation Basin Peak Elev=1.69' Storage=545 cf Inflow=0.29 cfs 0.013 af
Discarded=0.00 cfs 0.001 af Primary=0.00 cfs 0.000 af Outflow=0.00 cfs 0.001 af

Total Runoff Area = 0.429 ac Runoff Volume = 0.059 af Average Runoff Depth = 1.66"
85.03% Pervious = 0.365 ac 14.97% Impervious = 0.064 ac

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Summary for Subcatchment 2S: Expansion Proposed Subcatchment

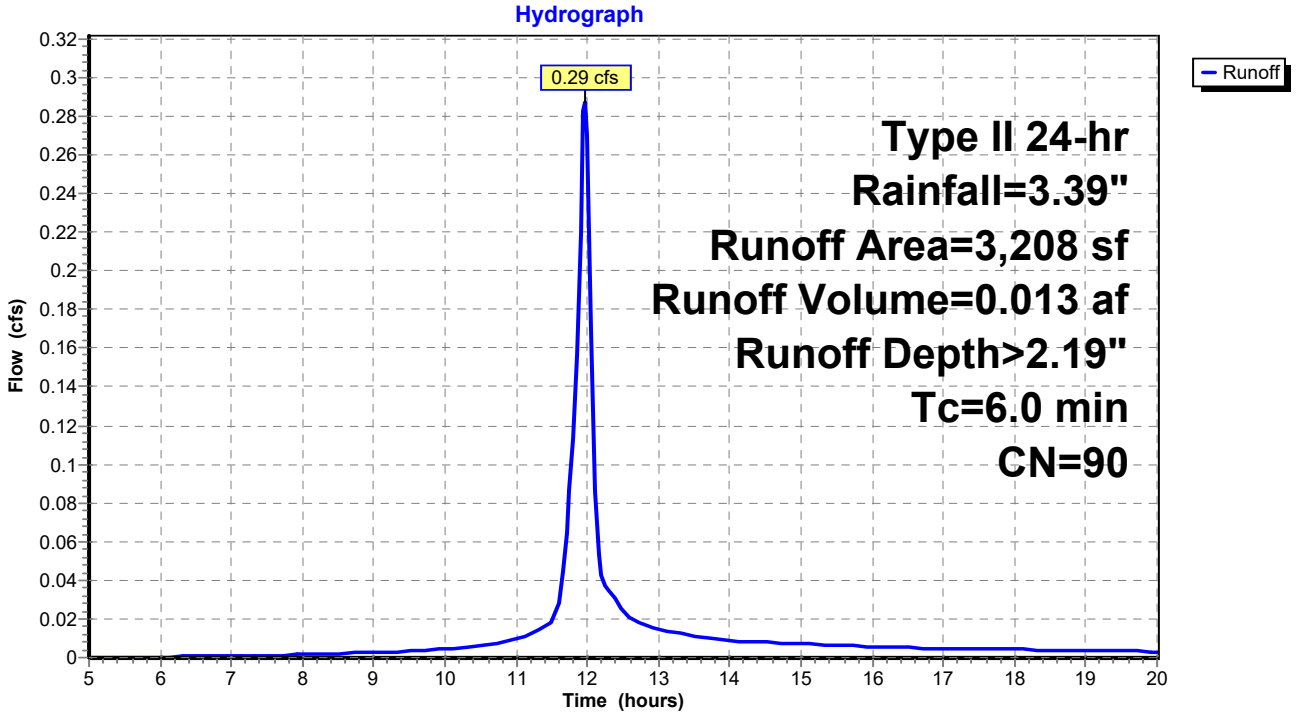
Runoff = 0.29 cfs @ 11.97 hrs, Volume= 0.013 af, Depth> 2.19"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr Rainfall=3.39"

	Area (sf)	CN	Description
*	1,610	96	Gravel Parking, HSG C
	898	72	Woods/grass comb., Good, HSG C
*	700	98	Rooftop, Good, HSG C
	3,208	90	Weighted Average
	2,508		78.18% Pervious Area
	700		21.82% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, 6 Minute Minimum**

Subcatchment 2S: Expansion Proposed Subcatchment



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Summary for Subcatchment ExExist: Expansion Existing Subcatchment

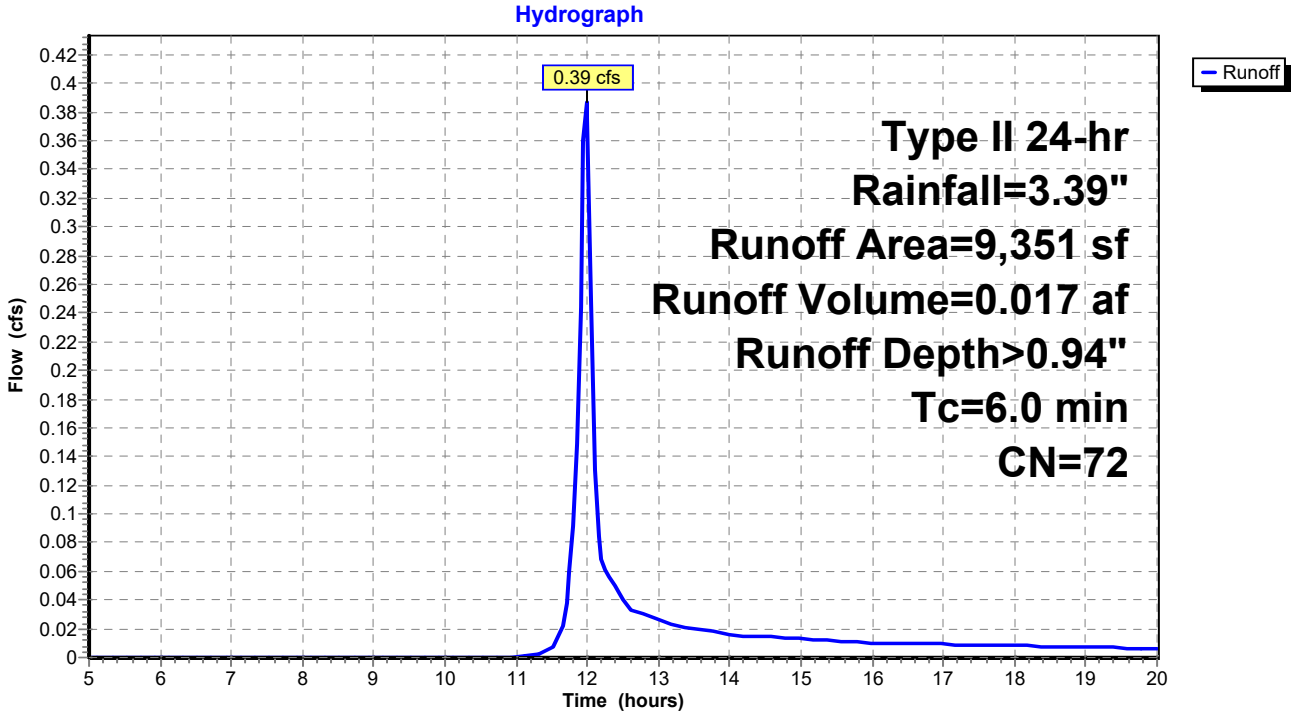
Runoff = 0.39 cfs @ 11.98 hrs, Volume= 0.017 af, Depth> 0.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr Rainfall=3.39"

Area (sf)	CN	Description
9,351	72	Woods/grass comb., Good, HSG C
9,351		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, 6 Minute Minimum**

Subcatchment ExExist: Expansion Existing Subcatchment



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Summary for Subcatchment ExPSC: Expansion Proposed Subcatchment

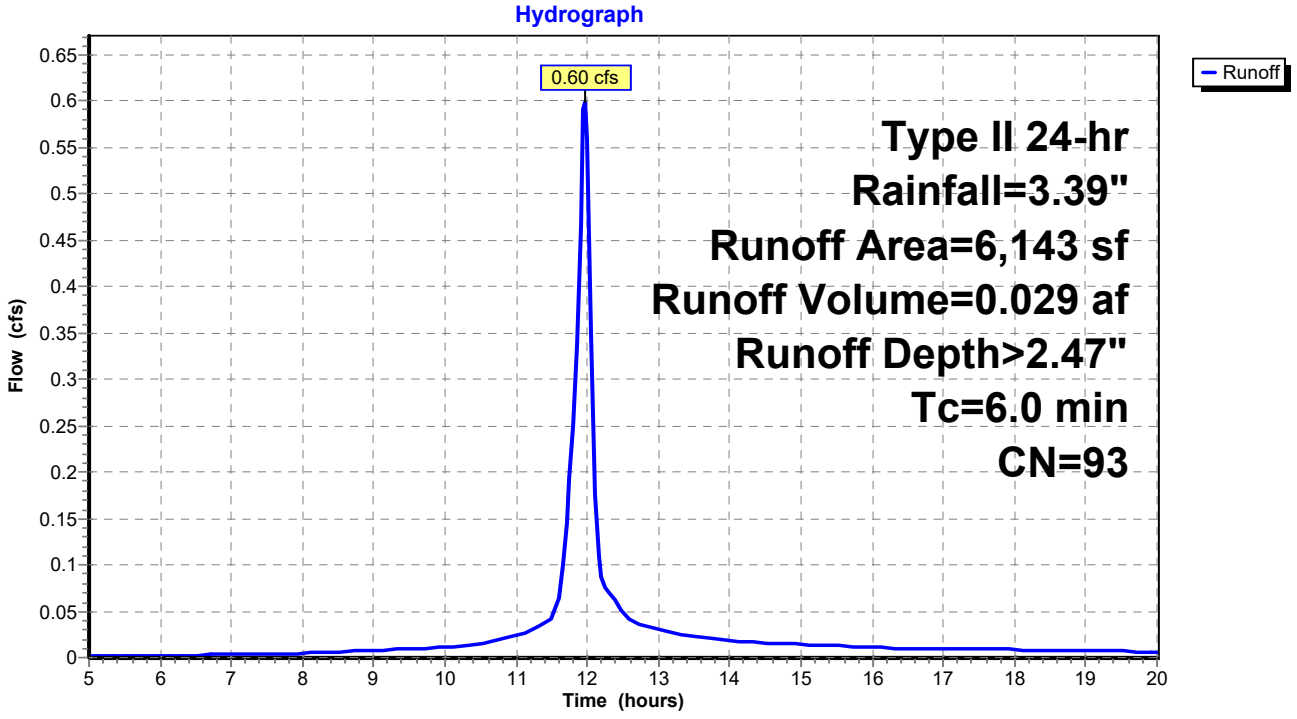
Runoff = 0.60 cfs @ 11.96 hrs, Volume= 0.029 af, Depth> 2.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr Rainfall=3.39"

	Area (sf)	CN	Description
*	3,217	96	Gravel parking, HSG C
*	2,100	98	Building, HSG C
	826	72	Woods/grass comb., Good, HSG C
	6,143	93	Weighted Average
	4,043		65.81% Pervious Area
	2,100		34.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, 6 Minute Minimum**

Subcatchment ExPSC: Expansion Proposed Subcatchment



DuthieExpansion
Prepared by {enter your company name here}

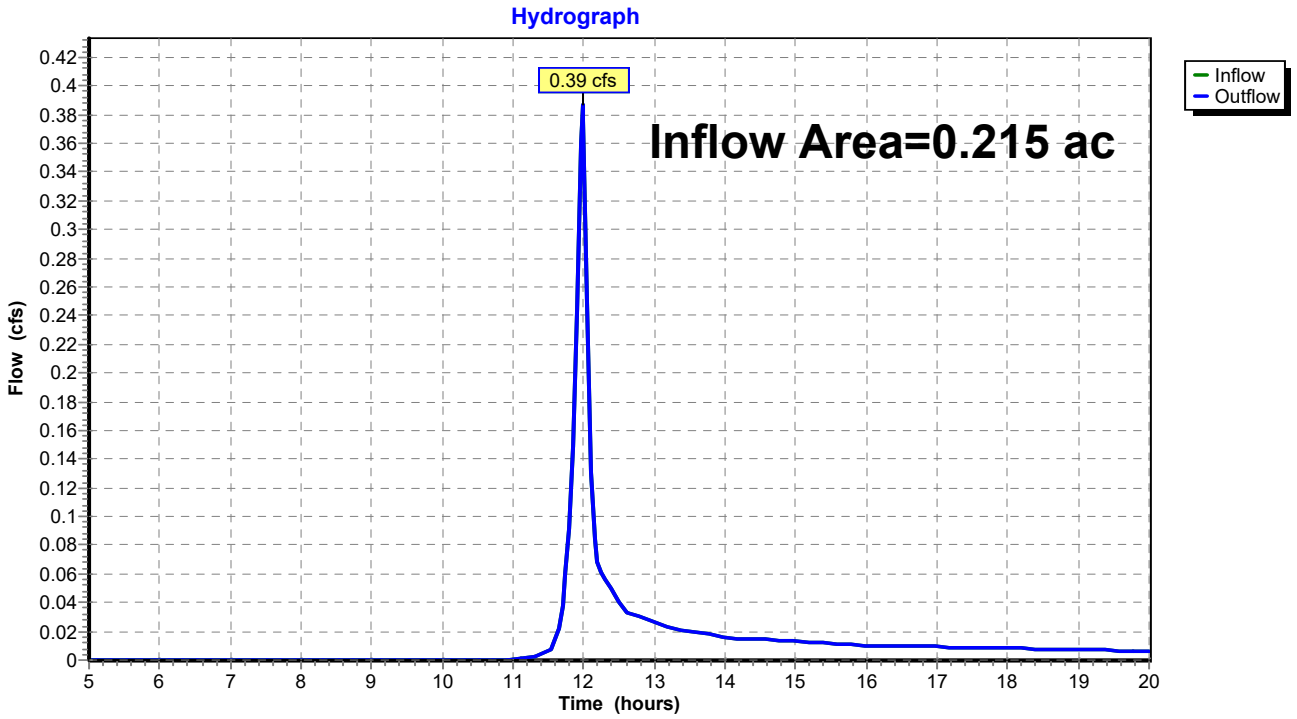
Summary for Reach ExE: Design Point Existing

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.215 ac, 0.00% Impervious, Inflow Depth > 0.94"
Inflow = 0.39 cfs @ 11.98 hrs, Volume= 0.017 af
Outflow = 0.39 cfs @ 11.98 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Reach ExE: Design Point Existing



DuthieExpansion
Prepared by {enter your company name here}

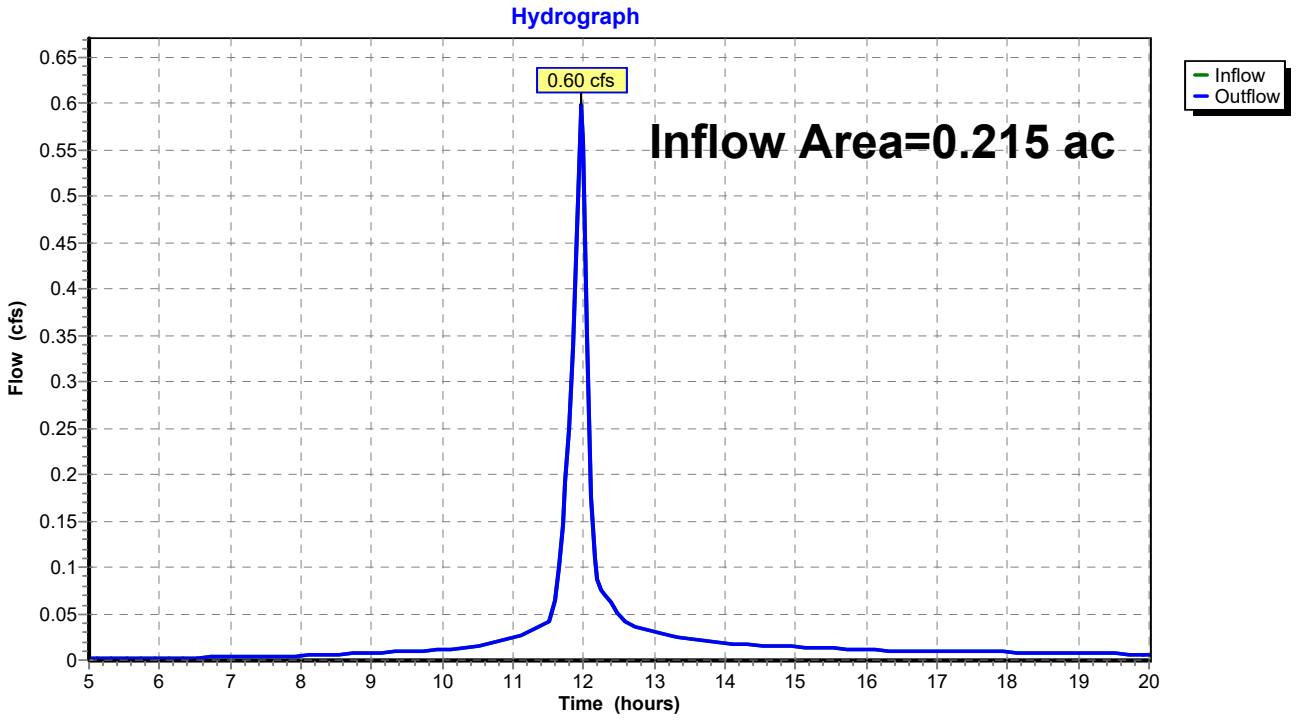
Summary for Reach ExP: Design Point Proposed

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.215 ac, 29.94% Impervious, Inflow Depth > 1.62"
Inflow = 0.60 cfs @ 11.96 hrs, Volume= 0.029 af
Outflow = 0.60 cfs @ 11.96 hrs, Volume= 0.029 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Reach ExP: Design Point Proposed



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Summary for Pond AB: Attenuation Basin

Inflow Area = 0.074 ac, 21.82% Impervious, Inflow Depth > 2.19"
Inflow = 0.29 cfs @ 11.97 hrs, Volume= 0.013 af
Outflow = 0.00 cfs @ 20.00 hrs, Volume= 0.001 af, Atten= 100%, Lag= 482.0 min
Discarded = 0.00 cfs @ 20.00 hrs, Volume= 0.001 af
Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 1.69' @ 20.00 hrs Surf.Area= 522 sf Storage= 545 cf

Plug-Flow detention time= 337.3 min calculated for 0.001 af (7% of inflow)
Center-of-Mass det. time= 129.8 min (894.9 - 765.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	870 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
0.00	140	0	0
1.00	350	245	245
2.00	600	475	720
2.50	0	150	870

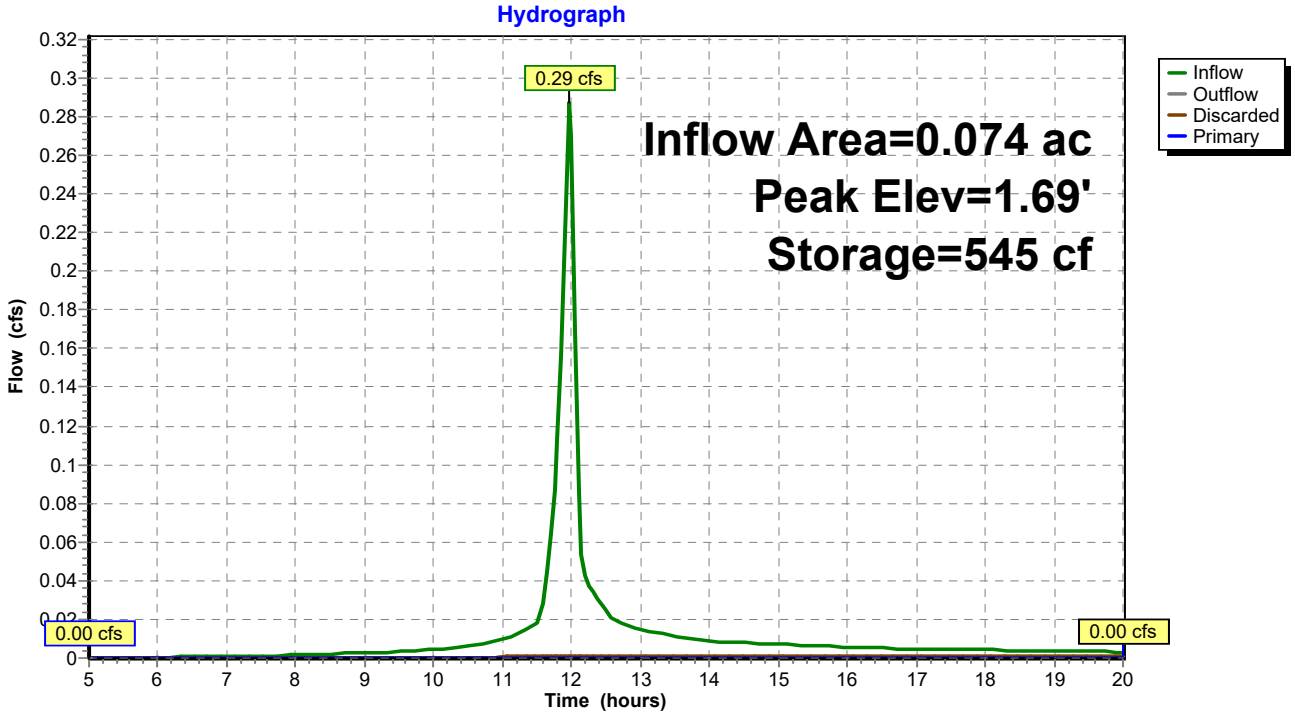
Device	Routing	Invert	Outlet Devices
#1	Primary	1.90'	**2.0' long x 2.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 Coef. (English) 2.54 2.61 2.61 2.60 2.66 2.70 2.77 2.89 2.88 2.85 3.07 3.20 3.32
#2	Discarded	0.00'	**0.100 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.00 cfs @ 20.00 hrs HW=1.69' (Free Discharge)
↑—**2=Exfiltration** (Exfiltration Controls 0.00 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=0.00' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

DuthieExpansion
Prepared by {enter your company name here}

Pond AB: Attenuation Basin



DuthieExpansion

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
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0.254	72	Woods/grass comb., Good, HSG C (2S, ExExist, ExPSC)
0.429	**82**	**TOTAL AREA**

DuthieExpansion

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	0.048	0.000	0.000	0.048	Building	ExPSC
0.000	0.000	0.037	0.000	0.000	0.037	Gravel Parking	2S
0.000	0.000	0.074	0.000	0.000	0.074	Gravel parking	ExPSC
0.000	0.000	0.016	0.000	0.000	0.016	Rooftop, Good	2S
0.000	0.000	0.254	0.000	0.000	0.254	Woods/grass comb., Good	2S, ExExist, ExPSC
0.000	**0.000**	**0.429**	**0.000**	**0.000**	**0.429**	**TOTAL AREA**	

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 2S: Expansion Proposed Runoff Area=3,208 sf 21.82% Impervious Runoff Depth>4.38"
Tc=6.0 min CN=90 Runoff=0.55 cfs 0.027 af

Subcatchment ExExist: Expansion Existing Runoff Area=9,351 sf 0.00% Impervious Runoff Depth>2.62"
Tc=6.0 min CN=72 Runoff=1.05 cfs 0.047 af

Subcatchment ExPSC: Expansion Proposed Runoff Area=6,143 sf 34.19% Impervious Runoff Depth>4.68"
Tc=6.0 min CN=93 Runoff=1.09 cfs 0.055 af

Reach ExE: Design Point Existing Inflow=1.05 cfs 0.047 af
Outflow=1.05 cfs 0.047 af

Reach ExP: Design Point Proposed Inflow=1.09 cfs 0.065 af
Outflow=1.09 cfs 0.065 af

Pond AB: Attenuation Basin Peak Elev=1.98' Storage=708 cf Inflow=0.55 cfs 0.027 af
Discarded=0.00 cfs 0.001 af Primary=0.12 cfs 0.010 af Outflow=0.12 cfs 0.012 af

Total Runoff Area = 0.429 ac Runoff Volume = 0.129 af Average Runoff Depth = 3.60"
85.03% Pervious = 0.365 ac 14.97% Impervious = 0.064 ac

DuthieExpansion
Prepared by {enter your company name here}

Summary for Subcatchment 2S: Expansion Proposed Subcatchment

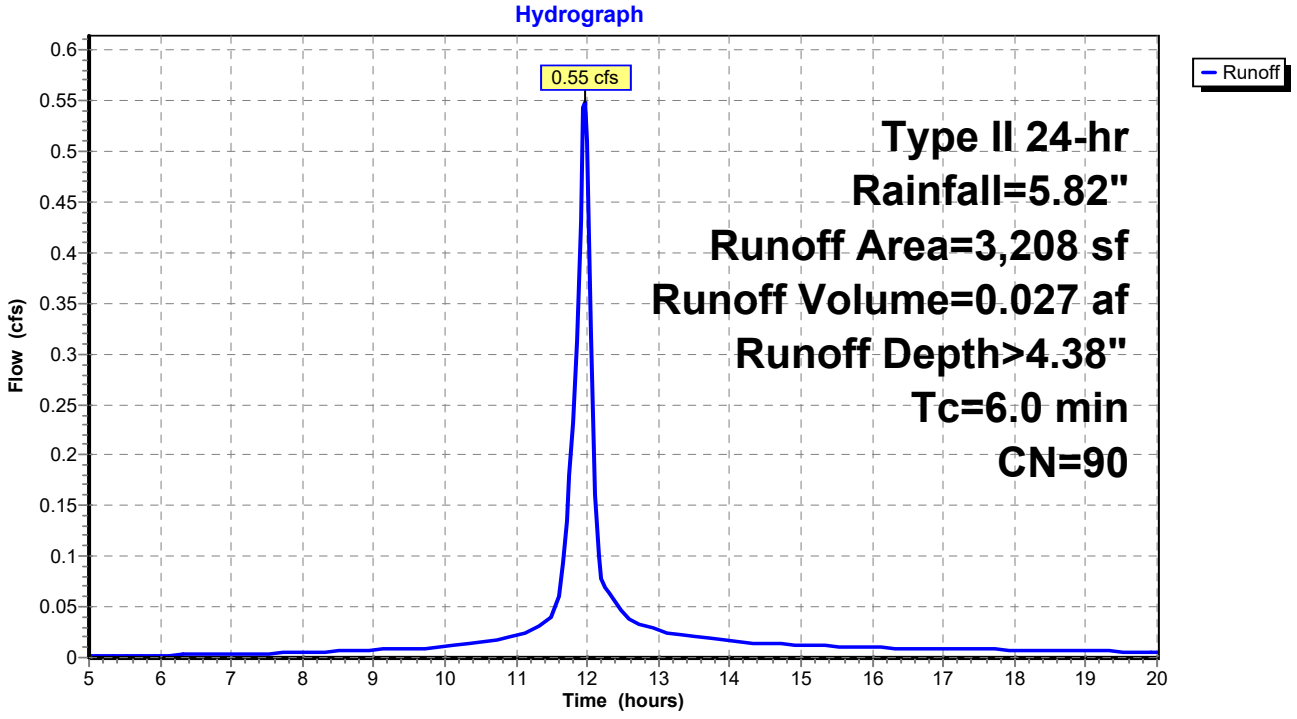
Runoff = 0.55 cfs @ 11.96 hrs, Volume= 0.027 af, Depth> 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr Rainfall=5.82"

	Area (sf)	CN	Description
*	1,610	96	Gravel Parking, HSG C
	898	72	Woods/grass comb., Good, HSG C
*	700	98	Rooftop, Good, HSG C
	3,208	90	Weighted Average
	2,508		78.18% Pervious Area
	700		21.82% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, 6 Minute Minimum**

Subcatchment 2S: Expansion Proposed Subcatchment



DuthieExpansion
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Summary for Subcatchment ExExist: Expansion Existing Subcatchment

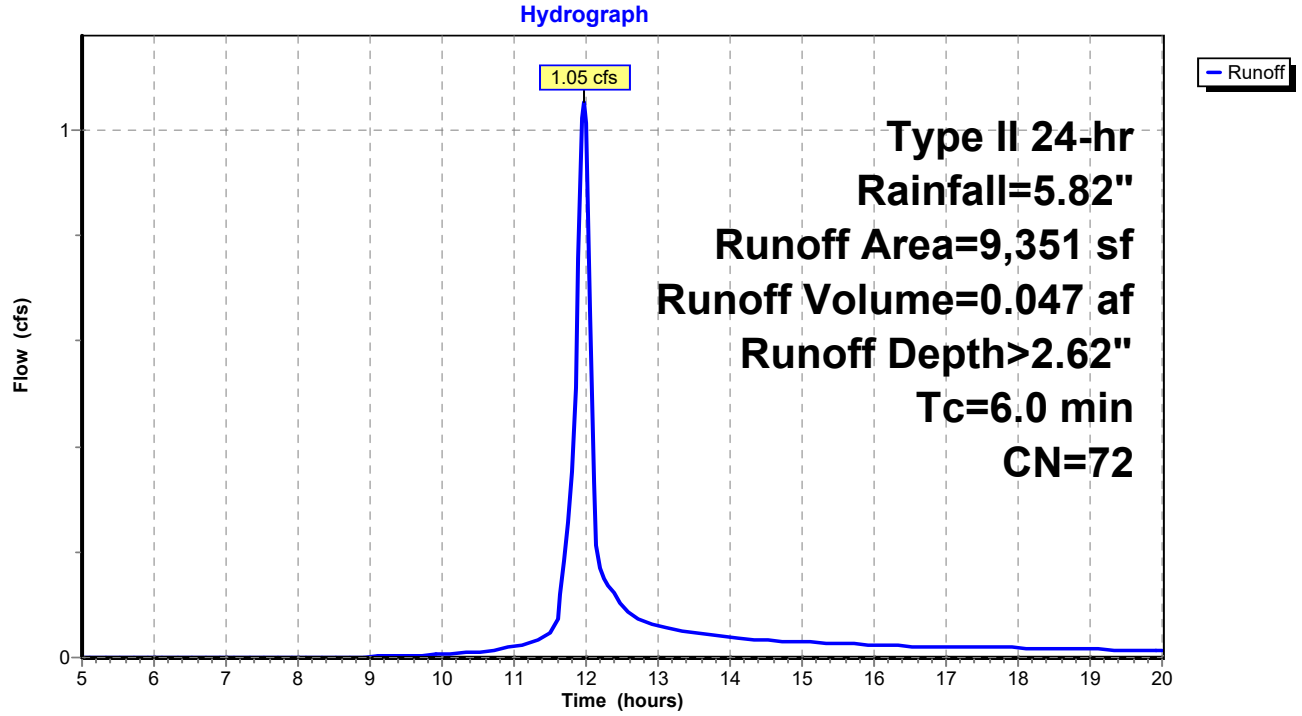
Runoff = 1.05 cfs @ 11.97 hrs, Volume= 0.047 af, Depth> 2.62"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr Rainfall=5.82"

Area (sf)	CN	Description
9,351	72	Woods/grass comb., Good, HSG C
9,351		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, 6 Minute Minimum**

Subcatchment ExExist: Expansion Existing Subcatchment



DuthieExpansion
Prepared by {enter your company name here}

Summary for Subcatchment ExPSC: Expansion Proposed Subcatchment

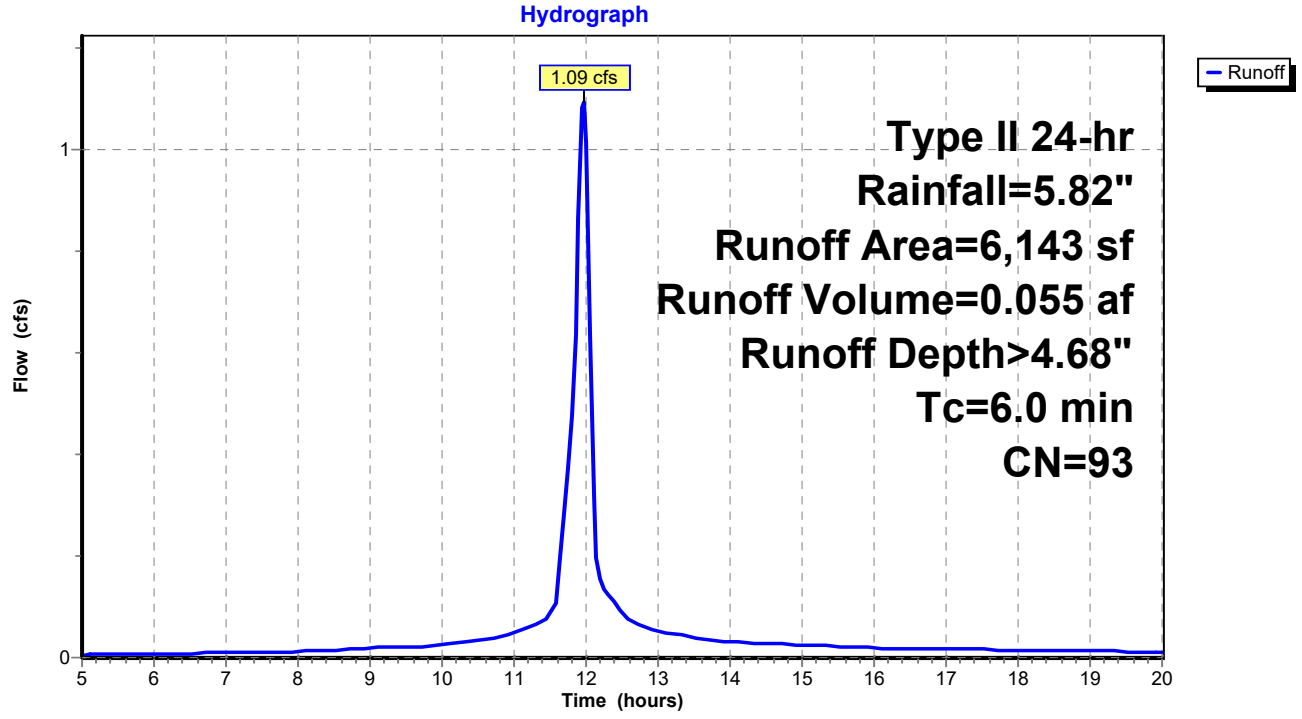
Runoff = 1.09 cfs @ 11.96 hrs, Volume= 0.055 af, Depth> 4.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr Rainfall=5.82"

	Area (sf)	CN	Description
*	3,217	96	Gravel parking, HSG C
*	2,100	98	Building, HSG C
	826	72	Woods/grass comb., Good, HSG C
	6,143	93	Weighted Average
	4,043		65.81% Pervious Area
	2,100		34.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, 6 Minute Minimum**

Subcatchment ExPSC: Expansion Proposed Subcatchment



DuthieExpansion
Prepared by {enter your company name here}

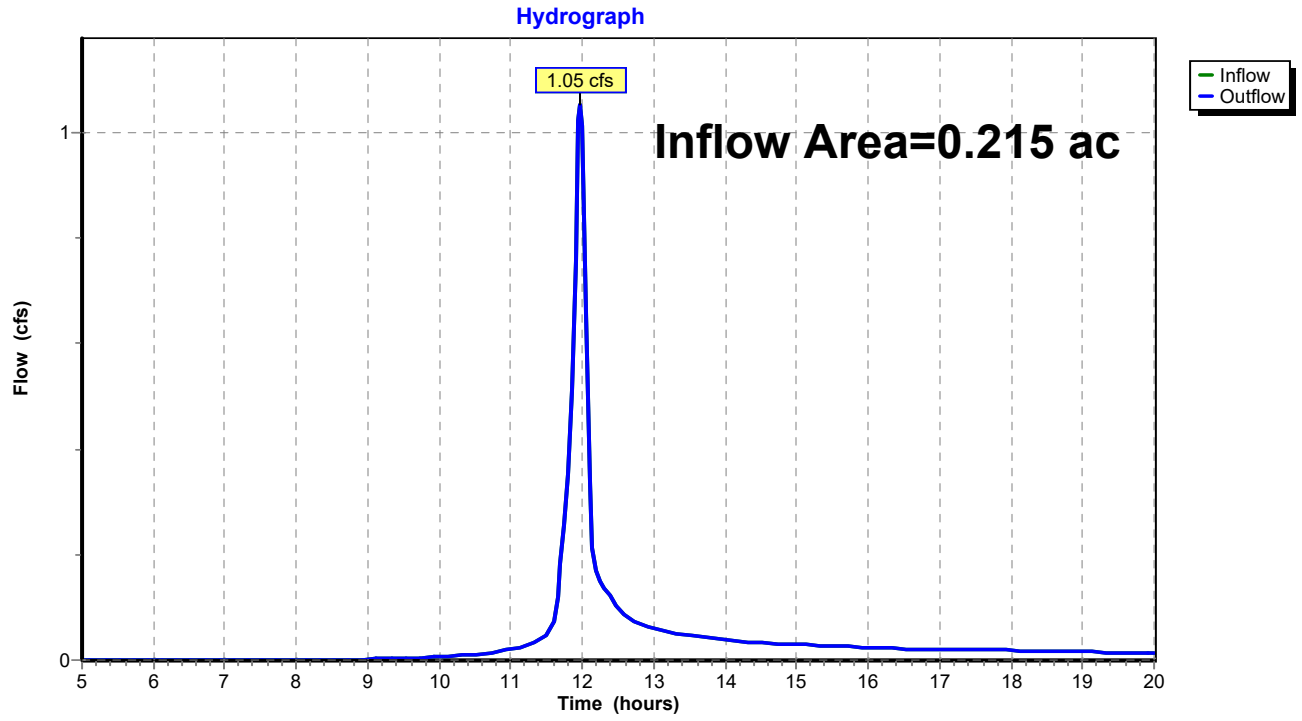
Summary for Reach ExE: Design Point Existing

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.215 ac, 0.00% Impervious, Inflow Depth > 2.62"
Inflow = 1.05 cfs @ 11.97 hrs, Volume= 0.047 af
Outflow = 1.05 cfs @ 11.97 hrs, Volume= 0.047 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Reach ExE: Design Point Existing



DuthieExpansion
Prepared by {enter your company name here}

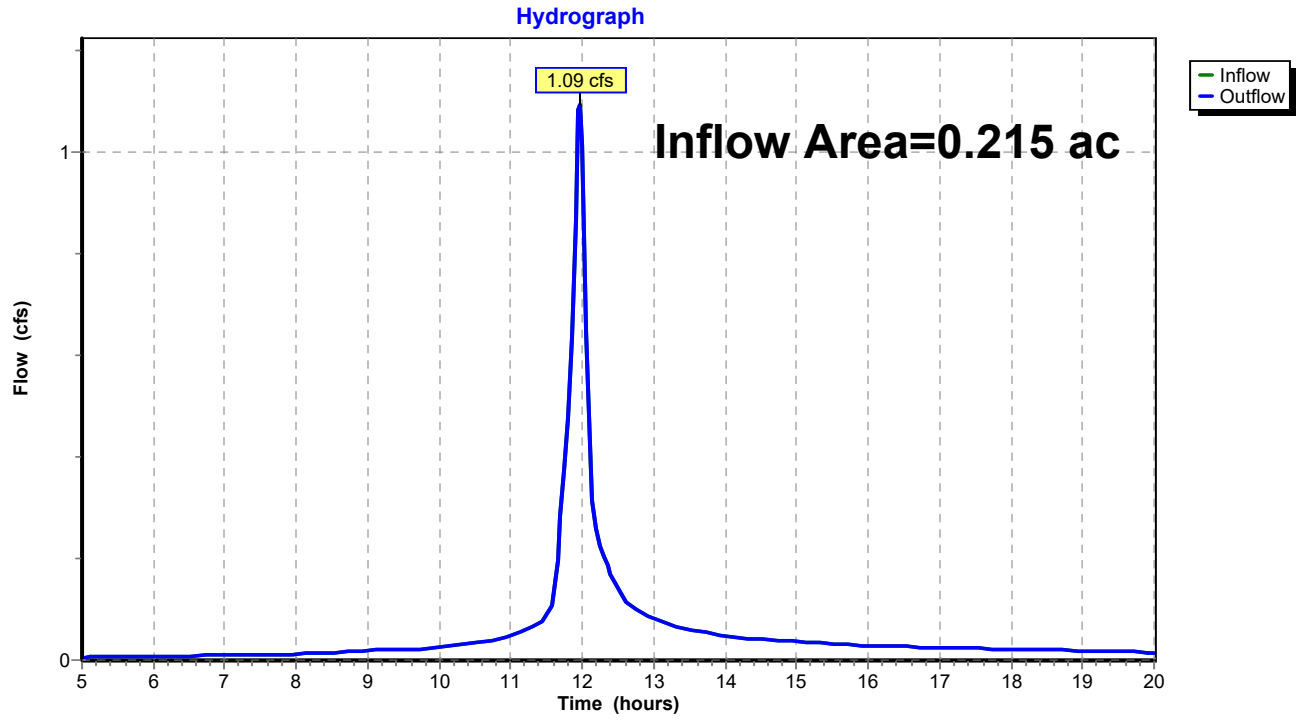
Summary for Reach ExP: Design Point Proposed

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.215 ac, 29.94% Impervious, Inflow Depth > 3.66"
Inflow = 1.09 cfs @ 11.96 hrs, Volume= 0.065 af
Outflow = 1.09 cfs @ 11.96 hrs, Volume= 0.065 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Reach ExP: Design Point Proposed



Summary for Pond AB: Attenuation Basin

[82] Warning: Early inflow requires earlier time span

Inflow Area = 0.074 ac, 21.82% Impervious, Inflow Depth > 4.38"
Inflow = 0.55 cfs @ 11.96 hrs, Volume= 0.027 af
Outflow = 0.12 cfs @ 12.15 hrs, Volume= 0.012 af, Atten= 78%, Lag= 11.1 min
Discarded = 0.00 cfs @ 12.15 hrs, Volume= 0.001 af
Primary = 0.12 cfs @ 12.15 hrs, Volume= 0.010 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 1.98' @ 12.15 hrs Surf.Area= 595 sf Storage= 708 cf

Plug-Flow detention time= 192.3 min calculated for 0.012 af (43% of inflow)
Center-of-Mass det. time= 102.1 min (852.2 - 750.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	870 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
0.00	140	0	0
1.00	350	245	245
2.00	600	475	720
2.50	0	150	870

Device	Routing	Invert	Outlet Devices
#1	Primary	1.90'	**2.0' long x 2.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 Coef. (English) 2.54 2.61 2.61 2.60 2.66 2.70 2.77 2.89 2.88 2.85 3.07 3.20 3.32
#2	Discarded	0.00'	**0.100 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.00 cfs @ 12.15 hrs HW=1.98' (Free Discharge)
↑—**2=Exfiltration** (Exfiltration Controls 0.00 cfs)

Primary OutFlow Max=0.12 cfs @ 12.15 hrs HW=1.98' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir** (Weir Controls 0.12 cfs @ 0.72 fps)

DuthieExpansion
Prepared by {enter your company name here}

Pond AB: Attenuation Basin