Town of Duanesburg
Planning Board Agenda
January 18, 2024

AGENDA ITEMS MAY BE ADDED, DELETED, OR ORDER CHANGED WITHOUT NOTICE

The Town of Duanesburg offers Planning Board Meetings via zoom if you are unable to attend the meeting in person:

Town of Duanesburg is inviting you to a scheduled Zoom meeting.
Topic: Town of Duanesburg's Planning Board Zoom Meeting
Time: This is a recurring meeting Meet anytime
Join Zoom Meeting
Meeting ID: 858 7403 2498
Passcode: 848175
Dial in by Phone:1-646-558-8656
Meeting ID: 858 7403 2498
Passcode: 848175

INTRODUCTION BY CHAIRPERSON JEFFERY SCHMITT

OPEN FORUM

SKETCH PLAN REVIEW:

PUBLIC HEARINGS:

#23-25 Serth, Joseph: SBL# 35.05-1-19.2, (R-1), located at 216-218 Batter St is seeking an amendment to current special use permit to include on site cooking.
Comments: _____
_____

#23-27 Northern Clearing Inc.: SBL#67.00-3-19.21, (C-2), located at 3851 Western Turnpike is seeking a site plan approval and special use permit for the expansion of existing building and site uses currently occurring at the property; special use permit required for storage / light industrial under section 12.4(20) and 12.4(33) of the Town of Duanesburg Zoning Ordinance.
Comments: _____
_____

#23-30 Stealey, Tricia: SBL#68.00-1-9.12, (C-1), located at 3215 Western Turnpike is seeking a special use permit to temporarily have 2 dwellings on one lot under section 11.4(11) Town of Duanesburg Zoning Ordinance.

Comments: _____

_____

OLD BUSINESS:

#23-19 Samuelson, Thomas: SBL#67.05-2-13.1 (h) located at 6928 Duanesburg Rd is seeking a special use permit to convert existing residential building back to a two-family dwelling under section #9.4(8) of the town of Duanesburg zoning ordinance.
Comments: _____

_____

#23-23 Putnam, Edward: SBL#67.00-2-6.11, (C-1/R-2), located at 4136 Western Turnpike is seeking a major subdivision of one lot into 5 smaller lots under section 3.5 of the town of Duanesburg subdivision ordinance.
Comments: _____

_____

#23-24 Dergosits, John: SBL#65.00-2-29, (R-2) is seeking a lot line adjustment to adjust South lot line; section being sold to neighbor, under Local Law #2 of 2016 of the Town of Duanesburg Subdivision Ordinance.
Comments: _____

_____

#23-29 Thomas, Ralph: SBL#67.05-1-8.1, (H), located at 5140 Western Turnpike is seeking a special use permit to operate a flea/farmers market under section 9.4(17) of the Town of Duanesburg Zoning Ordinance.
Comments: _____

_____

NEW BUSINESS:

#23-28 Biggs, Susan: SBL#74.00-3-16.3, (R-2), located at 13388 Duanesburg Rd is seeking a lot line adjustment to make one parcel of two bigger and one smaller under Local Law #2 of 2016 of the Town of Duanesburg Subdivision Ordinance.
Comments: _____

_____

#23-31 Kniese, Robert: SBL#55.00-4-22.11, SBL#55.00-4-22.12, (H), located at Depot Rd is seeking approval of a major subdivision of two lots into 5 lots under section 3.5 of the Town of Duanesburg Subdivision Ordinance.

Comments: _____

_____

#23-32 Splittgerber, Dean: SBL#44.00-2-57.1 (R-2), located at 2034 Duanesburg Churches Rd is seeking a lot line adjustment under section 4 of the Town of Duanesburg Local Law #2 of 2016.

Comments: _____

_____

Other:

Minute Approval:

December 21, 2023 PLANNING BOARD MEETING MINUTES:

Approved: Yes_____ No: _____

ADJOURNMENT

TOWN OF DUANESBURG
SCHENECTADY COUNTY

NOTICE OF PUBLIC HEARING

LEGAL NOTICE
NOTICE OF PUBLIC HEARING
PLANNING BOARD
TOWN OF DUANESBURG

PLEASE TAKE NOTICE, THAT THE PLANNING BOARD OF THE TOWN OF DUANESBURG, NEW YORK, WILL MEET AT THE TOWN HALL IN THE TOWN OF DUANESBURG, 5853 WESTERN TURNPIKE, ON **January 18, 2024** AT **7:00 PM** FOR THE PURPOSE OF HEARING ALL PERSONS INTERESTED IN THE APPLICATION OF:

#23-25 Serth, Joseph: SBL# 35.05-1-19.2, (R-1), located at 216-218 Batter St is seeking an amendment to current special use permit to include on site cooking.

APPLICATION INFORMATION IS AVAILABLE DURING BUSINESS HOURS

BY ORDER OF THE CHAIRPERSON
PLANNING BOARD
TOWN OF DUANESBURG
CHAIRPERSON

Join Zoom Meeting https://us02web.zoom.us/j/86499746075 Meeting ID: 864 9974 6075
Passcode: 130214 Dial in by Phone:1-646-558-8656 Meeting ID: 864 9974 6075
Passcode: 13021

NOTICE OF DETERMINATION
of the Town of Duanesburg

Public Hearing 1/18/2024

Date of Determination 11/1/25

Application of Joseph Sereth under section _____ of the (Village of Delanson/ Town of Duanesburg) _____ Ordinance.

Applicant Joseph Sereth
Address 216-218 Battke St.
Pattersonville N.Y.

Phone _____ Zoning District R-1 SBL# 35.05-1-19.2

Description of Project: Amend Current Special use Permit to include on site Cooking

Determination: Planning Board for Special use Amendment.

Reason supporting determination:

_____

_____

_____

Action: Refer to Planning Board **for the purpose of** Special use Amendment

Code Enforcement Officer: _____

APPLICATION FOR THE PLANNING BOARD Revised 04/12/2017
TOWN OF DUANESBURG
**********FOR OFFICE USE ONLY**********

CHECKLIST OF REQUIRED INFORMATION:

- ☒ Title of drawing.
- ☒ Tax Map ID #
- ☒ Zoning district
- ☒ Current Original Deed
- ☒ NYS Survey (L.S. & P.E.)
- ☒ North Arrow, scale (1"=100'),
- ☒ Boundaries of the property plotted and labeled to scale.
- ☒ School District/Fire District
- ☒ Green area/ landscaping
- ☒ Existing watercourses, wetlands, etc.
- ☒ Contour Lines (increments of 10ft.)
- ☒ Easements & Right of ways
- ☒ Abutting Properties Wells/ Sewer Systems within 100ft.
- ☒ Well/ Water system
- ☒ Septic system: Soil investigation completed?
- ☒ Sewer System: Which district?
- ☐ Basic SWPPP (1≥ & <5)
- ☐ Full Storm Water Control Plan (5acres or more)
- ☐ Storm Water Control Plan
- ☒ Short or long EAF www.dec.ny.gov/eafmapper/
- ☐ Street pattern: Traffic study needed?
- ☐ All property Mergers REQUIRE both owners Signatures on the Application

Additional Requirements for Special Use Application:

- ☒ New or existing building
- ☒ Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date 10-31-23

Application type: ☐ Major Subdv ☐ Minor Subdv ☑ Special Use Permit ☐ Site/ Sketch Plan Review ☐ LotLine Adjust

Proposal: Remove Restriction ON Cooking

_____ Section _____ of _____ Ordinance.

Present Owner: Mr Joseph SIERT(AS APPEARS ON DEED!!)

Address: 216 218 Butler St Zip code : 12137

Phone # (required) 518 852 5378

Applicants Name (if different): _____ Phone# (required) _____

Location of Property (if different from owners) _____

Tax Map# _____ Zoning District _____

_____ _____

Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!)

LANDS CONVEYED TO (REQUIRED FOR MERGERS) _____

Signature of receiving Property Owner _____(AS APPEARS ON DEED!!)

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant herby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

_____ Date 10-31-23

Signature of Owner(S) and/or Applicant(S)

ALL APPLICATION FEES ARE NON-REFUNDABLE!

(For office use only)

Application fee paid: _____ Check# _____ Reviewed By_____ Date_____

☐ Approved ☐ Disapproved ☐ Refer to Code Enforcement Section _____ of _____ Ordinance

Planning Commission Comments: _____

_____

_____ _____ _____ _____

Planning Chairperson Date Code Enforcement Date

TOWN OF DUANESBURG Application# 23-23

Agricultural Data Statement

Date: 10/31/23

Instructions: 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 a subdivision approval requiring municipal review and approval 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.

Applicant	Owner if Different from Applicant
Name: Mr Joseph SERTH Address: 216-218 Baxter St	Name: SAME

1. Type of Application: (Special Use Permit); Site Plan Approval; Use Variance; Area Variance; Subdivision Approval (circle one or more)
2. Description of proposed project: Remove Restriction on Cooking on Site
3. Location of project: Address: 216-218 Baxter St
   Tax Map Number (TMP) 35.05-1-19.2
4. Is this parcel within an Agricultural District? YES (NO) (Check with your local
5. If YES, Agricultural District Number _____ assessor if you do not know.)
6. Is this parcel actively farmed? YES (NO)
7. List all farm operations within 500 feet of your parcel. Attach additional sheet if necessary.

NAME: ADDRESS: Is this parcel actively farmed? YES NO	NAME: ADDRESS: Is this parcel actively farmed? YES NO
NAME: ADDRESS: Is this parcel actively farmed? YES NO	NAME: ADDRESS: Is this parcel actively farmed? YES NO

Signature of Applicant

Signature of Owner (if other than applicant)

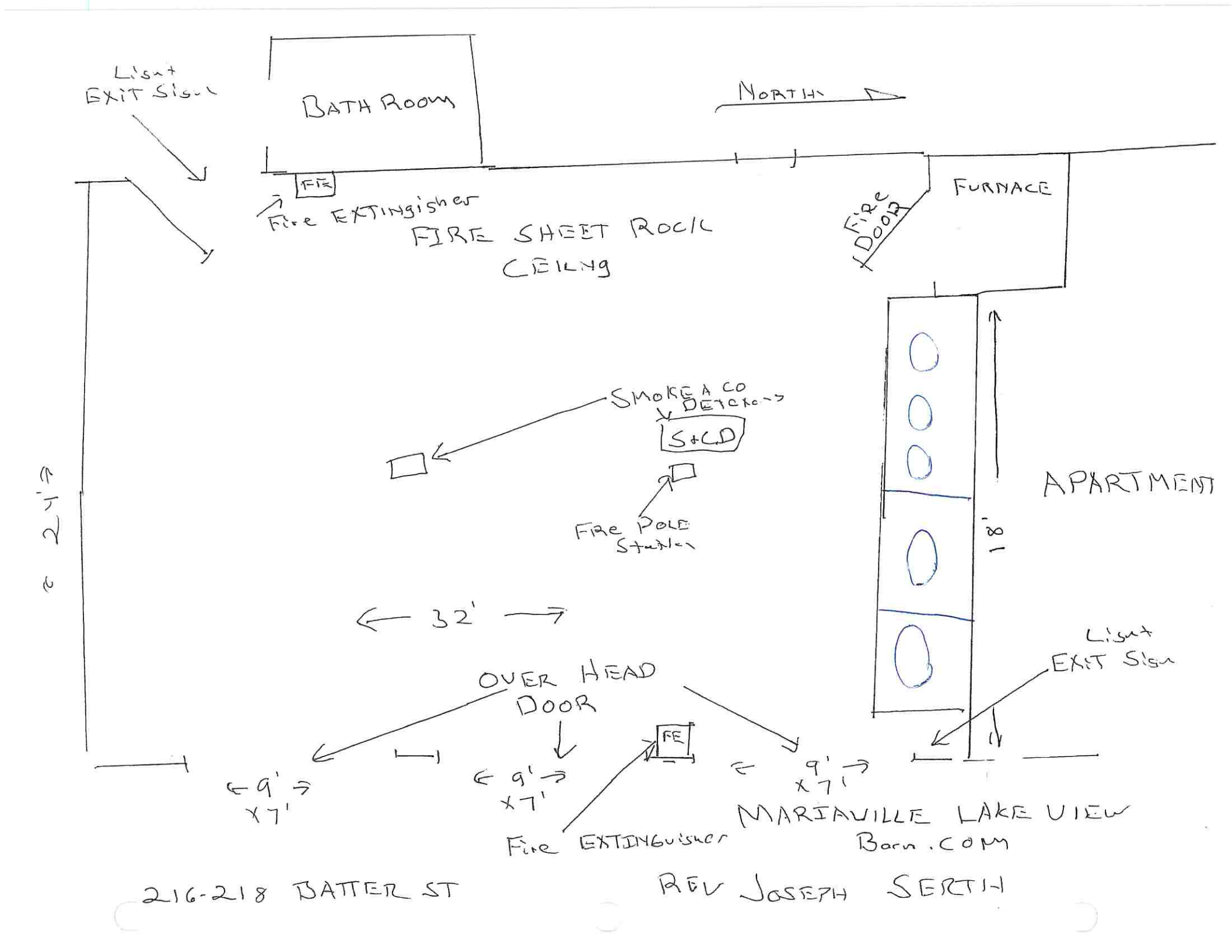
Reviewed by: _____ _____
Dale R. Warner Date

Revised 4/4/17

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.

NOTE TO REFERRAL AGENCY: County Planning Board review is required. A copy of the Agricultural Data Statement must be submitted along with the referral to the County Planning Department.


Light
EXIT Sign
BATH ROOM
NORTH
FE
Fire EXTINGisher
FIRE SHEET ROCK
CEILNG
FURNACE
Fire
DOOR
SMOKE & CO
DETECTOR
S+CD
FIRE POLE
Station
APARTMENT
18'
27'
32'
OVER HEAD
DOOR
Light
EXIT Sign
FE
9'
X7'
9'
X7'
9'
X7'
Fire EXTINGuisher
MARIAVILLE LAKE VIEW
Barn.COM
216-218 BATTER ST
REV JOSEPH SERTH

Updated Operational Plan Concerning Food Prep at Mariaville Lakeview Barn

1. Caterers can prepare food offsite, bring it to the site and serve it at any location on the site as they have been able to in the past. That has either been on the north or south side of the barn or in the barn.

2. Food trucks that either prepare food offsite or onsite will be utilized. No food truck will be allowed to park in the Lake District. No food truck will be allowed to cook food within 20 feet of the property line. The targeted area for food trucks to set up will be on the paved portion of the property, in front of the three bay boathouse part of 218 Batter Street. They will also be allowed to set up on the north side of the barn in front of the doublewide doors.

3. Anyone booking the site for a closed event, not open to the public, will be allowed to do their own cooking, so long as they comply with the Schenectady County Health Department rules. Cooking will be allowed inside the barn, but no open flames. Barbecue grills will be allowed to be used, but they are required to be 20 feet from the property line and 20 feet from any structure or tent.

4. Anyone can apply for a temporary cooking permit from the Schenectady County Health Department and use it onsite.

5. The pre-existing food prep area inside the three bay boathouse can be utilized for customers and site owners for the preparation of food.

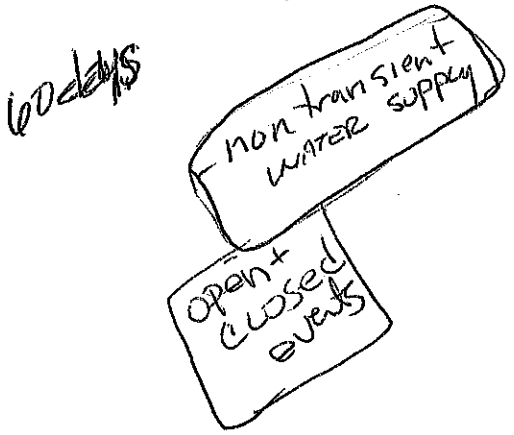
6. All of the other scenarios discussed in the letter to the Schenectady County Health Department and their response will be allowed on the site.

Fwd: Food Permitting for Mariaville Lakeview Wedding Barn

cmvski@aol.com/Inbox

Emily Serth <emily.serth@gmail.com>
To: Chrissy <cmvski@aol.com>

Dec 2 at 4:32 PM



Sent from my iPhone

Begin forwarded message:

From: "Nicholas J. Gallo" <nicholas.gallo@schenectadycountyny.gov>
Date: November 30, 2023 at 3:57:27 PM EST
To: Emily Serth <emily.serth@gmail.com>
Subject: RE: Food Permitting for Mariaville Lakeview Wedding Barn

Hello!

Please see responses in Red-

1. The Health Department only requires the venue site to have 1 bathroom facility. If this is not a governed facility, the bathroom potion of the code will not come into effect. Public bathroom code for food service establishments states public bathrooms must be supplied by establishment if the seats exceed 21 seats. As for a temporary permit, the only thing required by code is a hand washing sink for the food preparer.
2. If people book the venue site and wish to cook on a grill or other form of cooking for a closed event, no permit is required. Correct. If it is open to the public the food preparer is required to have a temporary, catering or mobile permit through Schenectady county EH

3. If a vendor shows up with food prepared off site and serves the food on site, the vendor is required to have a permit, not the venue site. Mr. Serth has checked on previous vendors from 2023 and a future vendor to check on their permit status. Correct. If they are cooking off site, the vendor must have a permitted kitchen or commissary kitchen that is permitted in any county.

4. If a vendor shows up and cooks food on site, the vendor is required to have a permit, not the venue site. Correct

5. Nick Gallo has reviewed pictures of the site and Mr. Serth can obtain up to 14 one-day permits for him to cook on site, with no changes to the current site. Sort of. The individual who is preparing the food needs to submit an application. The temporary permit is up to 14 days of a certain event at the same location. Not 14 SEPARATE events.

6. If vendors supply food pre-cooked off site, and do not supply servers, then no permit is needed by the venue site. That is correct. No catering permit required unless they are going to serve their food to the public.

As per our meeting, the bathrooms are a question mark. To my knowledge, the bathrooms outside of our jurisdiction have their own code and I am not well versed in them. If Mr. Serth would like to apply to become a certified food service permit under code 14-1 he would have to apply all of the information provided at the meeting. I am not positive, but almost certain to become a food service establishment he would have to apply to become a public water supply. Please contact Dom in our office at extension 1242 to hear more about that. As for all of this information, to just be a venue site you do not need a permit, but you can not sell food to the public. If you would like to sell food to the public, you can apply for a temporary food service permit at the link I sent previously. To be a temporary food service vendor, you do not need a certified kitchen but the food must be considered "low risk"

It has been an honor service you two! Please direct the rest of the questions to Dom and Denise in our office. Thank you very much for your time!

Nicholas Gallo
Public Health Sanitarian
Schenectady County Public Health Services
Phone: 518-386-2818 ext.-1267 Fax: 518-386-2822
www.schenectadycounty.com
"Schenectady County Public Health Services supports, protects, and improves the health of our community."

-----Original Message-----
From: Emily Serth <emily.serth@gmail.com>
Sent: Thursday, November 30, 2023 2:45 PM
To: Nicholas J. Gallo <nicholas.gallo@schenectadycountyny.gov>
Subject: Re: Food Permitting for Mariaville Lakeview Wedding Barn

(d) First-aid supplies and personal medications are restricted to designated locations.

(e) The use of unprotected bait stations in food storage, service and preparation areas and in utensil washing and storage areas is forbidden.

Personnel

14-1.70 Employee Health. No person is to work in a food service establishment:

(a) in a capacity which can result in contamination of food or food-contact surfaces with disease-causing organisms;

(b) while infected with a disease in a communicable form capable of transmission by food;

(c) who is otherwise a carrier of organisms that cause such disease; or

(d) while afflicted with a boil or infected wound.

14-1.71 Employee cleanliness. Employees are to maintain a high degree of personal cleanliness and are to conform with good hygienic practices when working in food service establishments. Employees are to wash their hands and exposed area of arms thoroughly with soap and warm water before starting work, and as often as may be necessary to remove soil and contamination.

Thereafter, employees are to wash hands thoroughly after using the toilet, smoking, sneezing, coughing, eating, drinking or otherwise soiling their hands before returning to work. Employees are to keep their fingernails clean and neatly trimmed.

14-1.72 Employee consumption of food and use of tobacco, hair restraints.

(a) Employees are to consume food only in designated dining areas where it will not result in contamination of other food, equipment, utensils or other items needing protection.

(b) Tobacco in any form is not to be used by employees while engaged in food preparation or service, or while washing equipment or utensils, or where its use will result in contamination of food, equipment or utensils.

(c) All persons within a food service establishment who work in areas where food is prepared are to use hats, caps or hair nets as restraints which minimize hair contact with hands, food and food-contact surfaces.

14-1.73 Personnel training. The permit-issuing official may establish and conduct or designate training programs and require that owners and/or operators of food service establishments attend them.

Food Preparation and Service

14-1.80 Food Preparation and Service.

(a) Food is to be prepared and served with no bare hand contact unless the food will be subsequently heated to at least the minimum temperature required under Section 14-1.82 of this Subpart or to 165 degrees Fahrenheit (73.9 degrees Celsius) or greater for foods that are being heated for a second or subsequent time.

(b) Convenient and suitable utensils and/or sanitary gloves are to be provided and used to prepare or serve food to eliminate bare hand contact and prevent contamination. Waxed paper, napkins or equivalent barrier to prevent hand contact can also be used to serve food.

14-1.81 Washing of fruits and vegetables. Raw fruits and raw vegetables are to be thoroughly washed with potable water before serving.

14-1.82 Cooking of potentially hazardous foods. All parts of potentially hazardous foods requiring cooking are to be heated to at least 140 degrees Fahrenheit (60 degrees Celsius), except:

(a) poultry, poultry stuffing, stuffed meats and stuffing containing meat are to be heated so all parts are at least 165 degrees Fahrenheit (73.9 degrees Celsius) with no interruption of the cooking process;

(b) pork and food containing pork is to be heated so all parts of the food are at least 150 degrees Fahrenheit (65.6 degrees Celsius); and

(c) rare roast beef and/or rare beef steaks are to be heated to an internal temperature of 130 degrees Fahrenheit (54.4 degrees Celsius), unless otherwise ordered by the consumer. When meat or fish is served raw, the consumer is to be notified.

(d) Shell eggs or foods containing shell eggs are to be heated to 145 degrees Fahrenheit (62.8 degrees Celsius) or greater unless an individual consumer requests preparation of a shell egg or food containing shell eggs in a style such as raw, poached or fried which must be prepared at a temperature less than 145 degrees Fahrenheit in order to comply with the request.

(e) Every part of ground meat or food containing ground meat are to be heated to at least 158 degrees Fahrenheit (69.4 degrees Celsius), unless a consumer requests preparation of a single order of ground meat or food containing ground meat which must be prepared at a temperature less than 158 degrees Fahrenheit in order to comply with the request.

14-1.83 Reheating.

(a) The entire mass of all precooked, refrigerated potentially hazardous food that is to be reheated must be heated to 165 degrees Fahrenheit (73.9 degrees Celsius) or above within two hours and held above 140 degrees Fahrenheit (60 degrees Celsius) until served.

(b) Precooked potentially hazardous foods from commercially processed hermetically sealed containers and precooked potentially hazardous foods in intact packages from commercial food processing establishments that are to be heated for the first time within the food service establishment must be heated to 140 degrees Fahrenheit (60 degrees Celsius) within two hours and held above 140 degrees Fahrenheit (60 degrees Celsius) until served.

14-1.84 Dry milk and dry milk products. Dry milk and dry milk products, if used, must be reconstituted in the establishment.

14-1.85 Product thermometers. Metal stem-type, numerically scaled, indicating thermometers accurate to plus or minus two degrees Fahrenheit (1.1 degrees Celsius) are to be provided and used to determine that proper internal cooking, holding or refrigeration temperatures of all potentially hazardous foods are obtained and maintained.

Boat House - food prep area inside fencing for sound dampening

12/21/23

Rear parking area for caterers + food trucks

FATHER & SONS CONSULTANTS
Structural Inspection Services
12 Lashway Lane
East Greenbush, NY 12061
(518) 275-9398

September 12, 2022

To All Concerned

RE: Structural (Construction) inspection of 216-218 Batter Street, Mariaville Lake, Pattersonville, NY 12137. The purpose of this was to determine the structural integrity of the Barn and compatibility to use it for wedding venues. This was requested by the Town of Duanesburg NY and the homeowner.

CLIENT: Joe Serth
ADDRESS: 216-218 Batter Street
Pattersonville, NY 12137

PROJECT ADDRESS: 216-218 Batter Street
Pattersonville, NY 12137

Dear Sirs:

Per the request of Joe Serth on July 27,2022, Father & Sons conducted a Structural (construction) inspection of 216-218 Batter Street, Mariaville Lake, Pattersonville NY 12137. The purpose of this inspection was to determine the structural integrity of the Barn as an existing building and compatibility to use for Wedding venues as requested by the Town of Duanesburg NY and the homeowner. The building was moved to this site and installed under a permit from the Town of Duanesburg and inspected. The installation was approved by the Town's Building Inspector (Dale R. Warner) who was present at the time of inspection, and a CO was issued:

FINDINGS:

The following is a compilation of my inspection and the Building Inspector's concerns. During the inspection of this property, Father and sons Consultant and the Town of Duanesburg Building Inspector found and/or required.

1 The building was structurally sound.
2 Required a site plan, signed and sealed by a licensed Professional Engineer showing meets and bounds and adjacent property owners noted and parking shown, porta-potties located.

FATHER & SONS CONSULTANTS
Structural Inspection Services
12 Lashway Lane
East Greenbush, NY 12061
(518) 275-9398

3 Smoke Detectors and Carbon Detectors (Existing). The type, and numbers and location were verified and approved by the Town's Building Inspector.
4 Fire extinguishers, one on site.
5 No fire Alarm pull stations.
6 One Porta-Potty on site.
7 A requested Sound report at residential receptors (None).
8 Illuminated Exit Signs with Emergency Exit Lights, 3 installed
9 14'x30'Loft Area with stairs. Width of stairs exceeds 36" (minimum required).
10 Required Exits. There are several barn type doors on 4 (four) sides each exceeding 8 (eight) feet. There are no locks or latches on doors.
11 Area 1680 square feet, sufficient to allow for the proposed 99 people.

RECOMMENDATIONS

2 Required a site plan, signed and sealed by a licensed Professional Engineer showing meets and bounds and adjacent property owners noted and parking shown, porta-potties located. Father and Sons Consultants will be preparing a site plan of the property showing the required information and attachments.
3 Smoke Detectors and Carbon Detectors (Existing). The type, and numbers and location were verified and approved by the Town's Building Inspector.
4 Fire extinguishers, one on site. Required 3 (three). The type and number (3) and location were discussed with and approved by the Town's Building Inspector. Recommended 3Three extinguishers to be installed 1 (one) in loft area and 2 (two) on main level on existing columns where they will be visible and accessible, They need to be inspected yearly.
5 No fire Alarm pull stations. Recommended by the Town's Building Inspector that there be 2 (two) pull stations installed, one in the loft area and one on the main level on a column where visible and accessible, connected to a local siren.
6 One Porta-Potty on site, more Porta-Potties will be brought in for each event. They will be cleaned as soon as possible after each event (no more than 5 (five) days after an event.
7 A requested Sound report at residential receptors. A sound transmission report will be conducted at a planed event. This report will be conducted by Tony Irwin a home inspector for A&S Complete Home Inspection Services, who is fully qualified in this area (He is a retired Vermont State Troper who conducted these reports as part of his professional duties).

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Structural Inspection Services
12 Lashway Lane
East Greenbush, NY 12061
(518) 275-9398

8 Illuminated Exit Signs with Emergency Exit Lights, 3 installed, they are lighted, number and location verified and approved by the Town's Building Inspector.

9 14'x30'Loft Area with stairs. Width of stairs exceeds 36" (minimum required). The risers are not installed. They will be installed as per NYS Building Codes. The handrails will have a cable system installed That complies with the NYS Building codes verses the horizontal boards to improve safety

10 Required Exits. There are several barn type doors on 4 (four) sides each exceeding 8 (eight) feet. There are no locks or latches on doors.

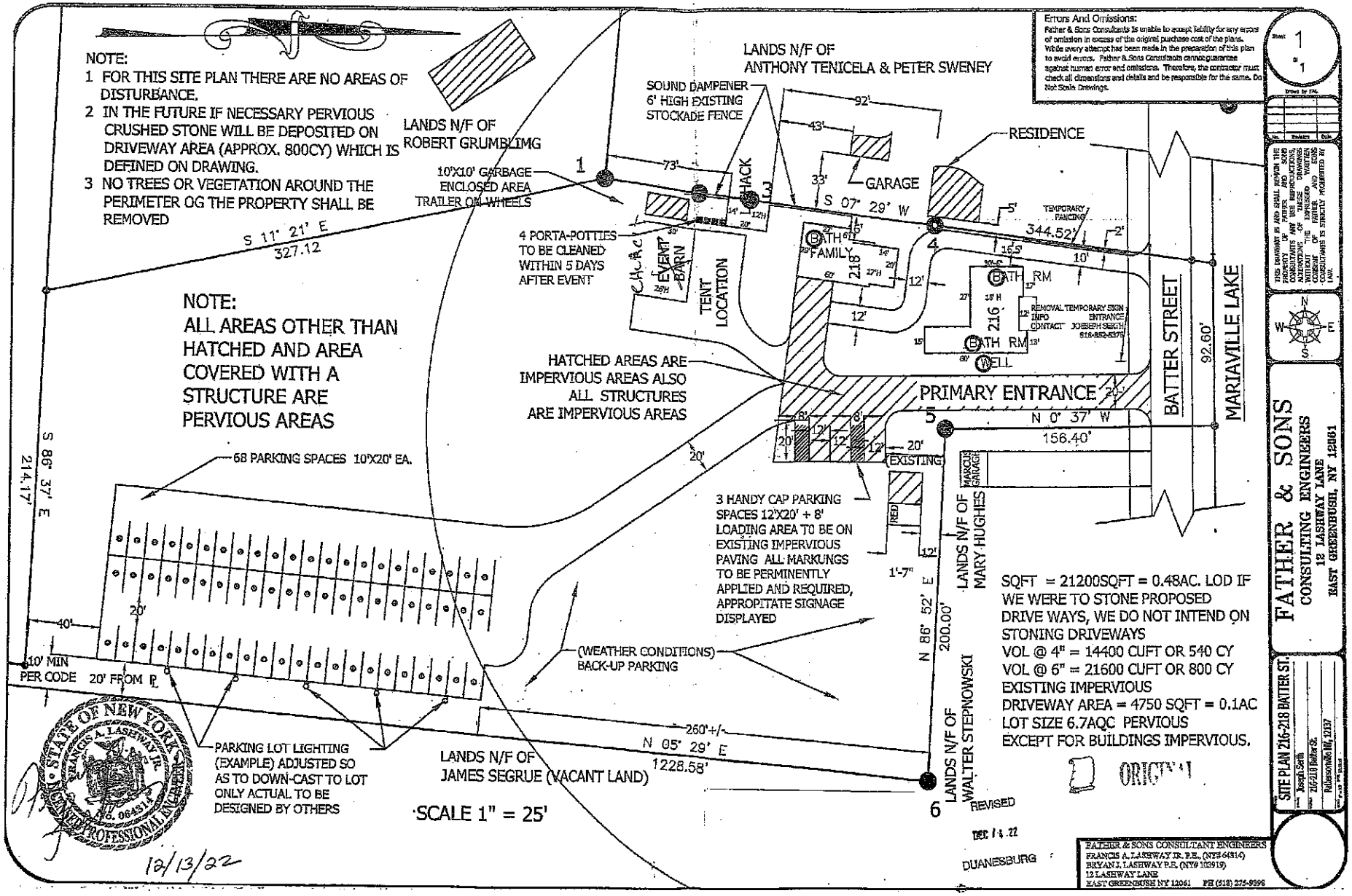
11 Area 1680 square feet, sufficient to allow for the proposed 99 people

We trust this letter addresses all the concerns that you expressed.

Should you have any questions regarding our responses relative to this matter, please feal free to contact me at your convenience at (518) 275-9398.

Sincerely yours,

Francis A. Lashway, Jr., P.E. (#064314)
Father and Sons Consultants


NOTE:
1 FOR THIS SITE PLAN THERE ARE NO AREAS OF DISTURBANCE.
2 IN THE FUTURE IF NECESSARY PERVIOUS CRUSHED STONE WILL BE DEPOSITED ON DRIVEWAY AREA (APPROX. 800CY) WHICH IS DEFINED ON DRAWING.
3 NO TREES OR VEGETATION AROUND THE PERIMETER OG THE PROPERTY SHALL BE REMOVED
NOTE:
ALL AREAS OTHER THAN HATCHED AND AREA COVERED WITH A STRUCTURE ARE PERVIOUS AREAS
LANDS N/F OF ROBERT GRUMBLIMG
LANDS N/F OF ANTHONY TENICELA & PETER SWENEY
SOUND DAMPENER 6' HIGH EXISTING STOCKADE FENCE
10'X10' GARBAGE ENCLOSED AREA TRAILER ON WHEELS
4 PORTA-POTTIES TO BE CLEANED WITHIN 5 DAYS AFTER EVENT
EVENT BARN
TENT LOCATION
SHACK
RESIDENCE
GARAGE
FAMILY
BATH
BATH RM
WELL
TEMPORARY FENCING
REMOVAL TEMPORARY SIGN INFO CONTACT JOSEPH SEIGH 516-852-6375
ENTRANCE
PRIMARY ENTRANCE
BATTER STREET
MARIAVILLE LAKE
92.60'
HATCHED AREAS ARE IMPERVIOUS AREAS ALSO ALL STRUCTURES ARE IMPERVIOUS AREAS
68 PARKING SPACES 10'X20' EA.
3 HANDY CAP PARKING SPACES 12'X20' + 8' LOADING AREA TO BE ON EXISTING IMPERVIOUS PAVING ALL MARKUNGS TO BE PERMINENTLY APPLIED AND REQUIRED, APPROPITATE SIGNAGE DISPLAYED
EXISTING
MARCUS GARAGE
RED
(WEATHER CONDITIONS) BACK-UP PARKING
10' MIN PER CODE 20' FROM P.L.
PARKING LOT LIGHTING (EXAMPLE) ADJUSTED SO AS TO DOWN-CAST TO LOT ONLY ACTUAL TO BE DESIGNED BY OTHERS
LANDS N/F OF JAMES SEGRUE (VACANT LAND)
LANDS N/F OF WALTER STEPNOWSKI
LANDS N/F OF MARY HUGHES
S 11° 21' E 327.12
S 86° 37' E 214.17'
N 86° 52' E 200.00'
N 05° 29' E 1228.58'
260'+/-
S 07° 29' W
344.52'
N 0° 37' W 156.40'
SCALE 1" = 25'
SQFT = 21200SQFT = 0.48AC. LOD IF WE WERE TO STONE PROPOSED DRIVE WAYS, WE DO NOT INTEND ON STONING DRIVEWAYS
VOL @ 4" = 14400 CUFT OR 540 CY
VOL @ 6" = 21600 CUFT OR 800 CY
EXISTING IMPERVIOUS
DRIVEWAY AREA = 4750 SQFT = 0.1AC
LOT SIZE 6.7AQC PERVIOUS
EXCEPT FOR BUILDINGS IMPERVIOUS.
ORIGINAL
REVISED
DEC 14 22
DUANESBURG
STATE OF NEW YORK FRANCIS A. LASEWAY JR. LICENSED PROFESSIONAL ENGINEER NO. 064314
12/13/22
Errors And Omissions:
Father & Sons Consultants is unable to accept liability for any errors of omission in excess of the original purchase cost of the plans. While every attempt has been made in the preparation of this plan to avoid errors, Father & Sons Consultants cannot guarantee against human error and omissions. Therefore, the contractor must check all dimensions and details and be responsible for the same. Do Not Scale Drawings.
THIS DRAWING IS AND SHALL REMAIN THE PROPERTY OF FATHER & SONS AND SONS CONSULTANTS ANY USE REPRODUCTIONS, ALTERATIONS OF THESE DRAWINGS WITHOUT THE EXPRESS AND WRITTEN CONSENT OF FATHER & SONS CONSULTANTS IS STRICTLY PROHIBITED BY LAW.
FATHER & SONS
CONSULTING ENGINEERS
12 LASHWAY LANE
EAST GREENBUSH, NY 12061
SITE PLAN 216-218 BATTER ST.
Joseph Seith
216-218 Batter St.
Rotterdam Jct. 12137
FATHER & SONS CONSULTANT ENGINEERS
FRANCIS A. LASEWAY JR. P.E., (NY# 64314)
BRYAN J. LASEWAY P.E. (NY# 103919)
12 LASEWAY LANE
EAST GREENBUSH NY 12061 PH (518) 275-9998

TOWN OF DUANESBURG
SCHENECTADY COUNTY

NOTICE OF PUBLIC HEARING

LEGAL NOTICE
NOTICE OF PUBLIC HEARING
PLANNING BOARD
TOWN OF DUANESBURG

PLEASE TAKE NOTICE, THAT THE PLANNING BOARD OF THE TOWN OF DUANESBURG, NEW YORK, WILL MEET AT THE TOWN HALL IN THE TOWN OF DUANESBURG, 5853 WESTERN TURNPIKE, ON **January 18, 2024** AT **7:00 PM** FOR THE PURPOSE OF HEARING ALL PERSONS INTERESTED IN THE APPLICATION OF:

#23-27 Northern Clearing Inc.: SBL#67.00-3-19.21, (C-2) is seeking a site plan approval and special use permit for the expansion of existing building and site uses currently occurring at the property; special use permit required for storage / light industrial under section 12.4(20) and 12.4(33) of the Town of Duanesburg Zoning Ordinance.

APPLICATION INFORMATION IS AVAILABLE DURING BUSINESS HOURS

BY ORDER OF THE CHAIRPERSON
PLANNING BOARD
TOWN OF DUANESBURG
CHAIRPERSON

Join Zoom Meeting https://us02web.zoom.us/j/86499746075 Meeting ID: 864 9974 6075
Passcode: 130214 Dial in by Phone:1-646-558-8656 Meeting ID: 864 9974 6075
Passcode: 13021

TOWN OF DUANESBURG
SCHENECTADY COUNTY

NOTICE OF PUBLIC HEARING

LEGAL NOTICE
NOTICE OF PUBLIC HEARING
PLANNING BOARD
TOWN OF DUANESBURG

PLEASE TAKE NOTICE, THAT THE PLANNING BOARD OF THE TOWN OF DUANESBURG, NEW YORK, WILL MEET AT THE TOWN HALL IN THE TOWN OF DUANESBURG, 5853 WESTERN TURNPIKE, ON **December 21, 2023** AT **7:00 PM** FOR THE PURPOSE OF HEARING ALL PERSONS INTERESTED IN THE APPLICATION OF:

#23-27 Northern Clearing Inc.: SBL#67.00-3-19.21, (C-2) is seeking a site plan approval and special use permit for the expansion of existing building and site uses currently occurring at the property; special use permit required for storage / light industrial under section 12.4(20) and 12.4(33) of the Town of Duanesburg Zoning Ordinance.

APPLICATION INFORMATION IS AVAILABLE DURING BUSINESS HOURS

BY ORDER OF THE CHAIRPERSON

PLANNING BOARD

TOWN OF DUANESBURG

CHAIRPERSON

Join Zoom Meeting https://us02web.zoom.us/j/86499746075 Meeting ID: 864 9974 6075

Passcode: 130214 Dial in by Phone:1-646-558-8656 Meeting ID: 864 9974 6075

Passcode: 13021

NOTICE OF DETERMINATION
of the Town of Duanesburg

Date of Determination 11/2/23

Application of Northern Clearing INC under section 12.4(20) And 12.4(33) of the (Village of Delanson (Town of Duanesburg)) Zoning Ordinance.

Applicant Northern Clearing INC.
Address 3851 Western Turnpike
Duanesburg N.Y. 12056

Phone _____ Zoning District C-2 SBL# 67.00-3-19.21

Description of
Project: Expansion of Existing Building and Site uses Currently occuring at the Property. Tree Clearing Company

Determination:
Special use Permit Required for Storage/Light Industrial

Reason supporting determination:
Town of Duanesburg Zoning Ordinance Adopted 6/11/15 Section 12.4.(20) and 12.4(33); Special use Permit Required for Light Industrial and Storage Facility

Action: Refer to Planning Board **for the purpose of** Special use

Code Enforcement Officer: [signature]

ZONING COORDINATION REFERRAL

SCHENECTADY COUNTY DEPT. OF ECONOMIC DEVELOPMENT & PLANNING

Recommendations shall be made within 30 days after receipt of a full statement of the proposed action.

For Use By SCDEDP

Received 11-28-23
Case No. D-26-23
Returned 12-6-23

FROM:
- ☐ Legislative Body
- ☐ Zoning Board of Appeals
- ☑ Planning Board

Municipality: Town of Duanesburg

TO: Schenectady County Department of Economic Development and Planning
Schaffer Heights, 107 Nott Terrace, Suite 303
Schenectady, NY 12308

(tel.) 386-2225
(fax) 382-8668

Received
Schenectady County
NOV 28 2023
Economic Development and Planning Dept.

ACTION:
- ☐ Zoning Code/Law Amendment
- ☐ Zoning Map Amendment
- ☐ Subdivision Review
- ☑ Site Plan Review
- ☑ Special Permit
- ☐ Use Variance
- ☐ Area Variance
- ☐ Other (specify)

PUBLIC HEARING OR MEETING DATE: December 21 2023

SUBJECT: #23-27 Northern Clearing Inc.: SBL#67.00-3-19.21, (C-2) is seeking a site plan approval and special use permit for the expansion of existing building and site uses currently occurring at the property; special use permit required for storage / light industrial under section 12.4(20) and 12.4(33) of the Town of Duanesburg Zoning Ordinance.

REQUIRED ENCLOSURES:
1. Public hearing notice & copy of the application.
2. Map of property affected. (Including Tax Map I.D. number if available)
3. Completed environmental assessment form and all other materials required by the referring body in order to make its determination of significance pursuant to the state environmental quality review act.

1. This zoning case is forwarded to your office for review in compliance with Sections 239-l, 239-m and 239-n of Article 12-B of the General Municipal Law, New York State.

2. This material is sent to you for review and recommendation because the property affected by the proposed action is located within 500 feet of the following:

- ☐ the boundary of any city, village or town;
- ☐ the boundary of any existing or proposed County or State park or other recreation area;
- ☑ the right-of-way of any existing or proposed County or State parkway, thruway, expressway, road or highway;
- ☐ the existing or proposed right-of-way of any stream or drainage channel owned by the County or for which the County has established channel lines;
- ☐ the existing or proposed boundary of any County or State-owned land on which a public building or institution is situated;
- ☐ the boundary of a farm operation located in an agricultural district, as defined by Article 25-AA of the agriculture and markets law. The referral requirement of this subparagraph shall not apply to the granting of area variances.

SUBMITTED BY:

Name: Coryn VanDeusen Title: Planning/Zoning/Building Clerk

Address: 5853 Western Turnpike Duanesburg, NY 12056

E-mail: cvandeusen@duanesburg.net Phone: (518) 895-2040

Coryn VanDeusen
Signature

Date: 11/21/23

PLANNING & ZONING COORDINATION REFERRAL

Case No. D-26-23 Applicant Northern Clearing, Inc.

Referring Officer Coryn VanDeusen Municipality Duanesburg

Considerations: Regarding an existing commercial use on 15 acres requesting site plan approval and a special use permit to expand the outdoor material storage and vehicle/equipment laydown area. Located on the south side of Western Turnpike approximately 1,000' east of the I-88 access ramp.

RECOMMENDATION

Receipt of zoning referral is acknowledged on November 28, 2023. Please be advised that the undersigned Commissioner of Economic Development and Planning of the County of Schenectady (having under the Schenectady County Charter the powers and duties of a County Planning Board) has reviewed the proposed action stated on the opposite side of this form and makes the following recommendations:

☐ ***Approve of the proposal.**

☑ **Defer to local consideration (No significant county-wide or inter-community impact)**

☐ **Modify/Conditionally Approve.** Conditions:

☑ **Advisory Note:**

Due to the area of disturbance a SWPPP needs to be prepared and reviewed by the Town's engineer. The town may wish to have the applicant better define the limits of the new outdoor material storage and vehicle/equipment laydown area.

☐ **Disapprove.** Reason:

*A recommendation of approval should not be interpreted that the County has reviewed all local concerns and/or endorses the project; rather the proposed action has met certain County considerations.

Section 239-m of the general Municipal Law requires that within 30 days after final action, the referring body shall file a report of the final action it has taken with the Schenectady County Department of Economic Development and Planning. A referring body which acts contrary to a recommendation of modification or disapproval of a proposed action shall set forth the reasons for the contrary action in such report.

12/4/23
Date

Ray Gillen /sp
Ray Gillen, Commissioner
Economic Development and Planning

RECEIVED
DEC 8 2023
TOWN OF DUANESBURG
TOWN CLERK

Instructions: 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 a subdivision approval requiring municipal review and approval 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.

Applicant	Owner if Different from Applicant:
Name NORTHERN CLEARING INC.	Name: HOWARD DAIGLE
Address 3851 WESTERN TURNPIKE DUANESBURG, NY 12056.	229 VISHER FERRY RD. ROTTERD, NY 12158

1. Type of Application: (Special Use Permit,) (Site Plan Approval,) Use Variance; Area Variance, Subdivision Approval (circle one or more)
2. Description of proposed project:
   EXPANSION OF EXISTING BUILDING AND SITE USES CURRENTLY OCCURRING AT THE PROPERTY BY APPLICANT.
   3851 WESTERN TURNPIKE
   Tax Map Number (TMP) 67.00-3-19.21
3. Is this parcel within an Agricultural District? YES (NO) (Check with your local assessor if you do not know)
4. If YES, Agricultural District Number _____
5. Is this parcel actively farmed? YES NO
6. List all farm operations within 500 feet of your parcel. Attach additional sheet if necessary.

NAME EDWARD PUTNAM ADDRESS 4045 WESTERN TURNPIKE DUANESBURG Is this parcel actively farmed? (YES) NO	NAME BRIAN SANDERS ADDRESS 4136 WESTERN TURNPIKE DUANESBURG Is this parcel actively farmed? (YES) NO
NAME _____ ADDRESS _____ Is this parcel actively farmed? YES NO	NAME _____ ADDRESS _____ Is this parcel actively farmed? YES NO

Scott Greschner NCI onsite Rep
Signature of Applicant

N/A Building going throgh final purchase with NCI
Signature of Owner (if other than applicant)

Reviewed by: _____ Date: _____
Dale P. Warner

Revised 4/4/17

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.

NOTE TO REFERRAL AGENCY: County Planning Board review is required. A copy of the Agricultural Data Statement must be submitted along with the referral to the County Planning Department.

FOR OFFICE USE ONLY

CHECKLIST OF REQUIRED INFORMATION:

- ☒ Title of drawing
- ☒ Tax Map ID #
- ☒ Zoning district
- ☒ Current Original Deed
- ☒ NYS Survey (L.S. & P.E.)
- ☒ North Arrow, scale (1"=100')
- ☒ Boundaries of the property plotted and labeled to scale
- ☒ School District/Fire District
- ☒ Green area/ landscaping
- ☒ Existing watercourses, wetlands, etc
- ☒ Contour Lines (increments of 10ft.)
- ☒ Easements & Right of ways
- ☒ Abutting Properties Wells/ Sewer Systems within 100ft
- ☒ Well/ Water system
- ☒ Septic system. Soil investigation completed?
- ☒ Sewer System. Which district?
- ☐ Basic SWPPP (1≥ & <5)
- ☐ Full Storm Water Control Plan (5acres or more)
- ☐ Storm Water Control Plan
- ☒ Short or long EAF www.dec.ny.gov/eafmapper/
- ☐ Street pattern; Traffic study needed?
- ☐ All property Mergers **REQUIRE** both owners Signatures on the Application

Additional Requirements for Special Use Application:

- ☒ New or existing building
- ☒ Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date 11/6/23

Application type ☐ Major Subdiv ☐ Minor Subdiv ☐ Special Use Permit ☒ Site/ Sketch Plan Review ☐ Lot line Adjust

EXPANSION ... EXIST...

______ Section ______ of ______ Ordinance

Present Owner: HOWARD DAIGLE (AS APPEARS ON DEED!!)

Address: 229 VISHER FERRY RD. Zip code: 12158

Phone # (required) ~~518-885-7277~~ REXFORD
518-573-7277

Applicants Name (if different): NGI Phone# (required): 715-209-1579

Location of Property (if different from owners): 3851 WESTERN TURNPIKE

Tax Map # 67.00-3-19.21 Zoning District: C-2

Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!)

LANDS CONVEYED TO (REQUIRED FOR MERGERS) ______

Signature of receiving Property Owner ______ (AS APPEARS ON DEED!!)

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant hereby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

Scott Greschner Date 11/6/23

Signature of Owner(S) and/or Applicant(S)

ALL APPLICATION FEES ARE NON-REFUNDABLE!

(For office use only)

Application fee paid ______ Check# ______ Reviewed By ______ Date ______

☐ Approved ☐ Disapproved ☐ Refer to Code Enforcement Section ______ of ______ Ordinance

Planning Commission Comments ______

Planning Chairperson ______ Date ______ Code Enforcement ______ 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

NORTHERN CLEARING INC. 3851 WESTERN TURNPIKE, DUANESBURG, NY

Name of Action or Project:

EXPANSION OF EXISTING COMMERCIAL USE

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

3851 WESTERN TURNPIKE, DUANESBURG, NY

Brief Description of Proposed Action:

NORTHERN CLEARING INC. (NCI) OPERATES A COMMERCIAL/INDUSTRIAL EXCAVATION BUSINESS. THIS PROJECT INCLUDES THE EXPANSION OF THE OPERATIONS ON THE CURRENT SITE FOR EXTERIOR MATERIALS STORAGE AND VEHICLE AND EQUIPMENT LAYDOWN AREAS.

Name of Applicant or Sponsor:	Telephone: 715-209-1579
NORTHERN CLEARING INC.	E-Mail:

Address:

3851 WESTERN TURNPIKE, DUANESBURG,

City/PO:	State:	Zip Code:
DUANESBURG,	NY	12056

	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? 16.65 acres
   b. Total acreage to be physically disturbed? 8.0± acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 16.05 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	N/A
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: _____	☐	☒

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

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

	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? Northern Long-eared Bat, Ba...	☐	☑
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: DISCHARGE TO EXISTING ROADSIDE SWALES.		
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: STORMWATER DETENTION		
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: FRANCIS G. PALUMBO, RLA Date: 11/6/23

Signature: Title: PROJECT LANDSCAPE ARCH.

PRINT FORM

EAF Mapper Summary Report

Monday, November 6, 2023 8:58 AM

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]	Yes
Part 1 / Question 15 [Threatened or Endangered Animal - Name]	Northern Long-eared Bat, Bald Eagle
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No

ORIGINAL

Warranty Deed

THIS INDENTURE, made the 21st day of April, 2003, by and between

KIKI S. GARG-TOTH, residing at 27 Summit Avenue, Latham, New York 12110 and AJAY P. GARG, residing at 381 Highland Drive, Schenectady, New York 12303, parties of the first part, and

HOWARD F. DAIGLE, residing at 229 Vischers Ferry Road, Rexford, New York 12148, party of the second part,

WITNESSETH that the parties of the first part, in consideration of ONE and no/100 Dollars, ($1.00), lawful money of the United States, and other good and valuable consideration paid by the party of the second part, do hereby grant and release unto the party of the second part, his heirs and assigns forever,

ALL THAT CERTAIN TRACT, PIECE OR PARCEL OF LAND, in the Town of Duanesburg, County of Schenectady, State of New York, lying along the Southerly line of U.S. Route 20, being further bounded and described as follows:

BEGINNING at the point of intersection of the common line of Lands of Cadwell & Dinuzzo as conveyed in Book 1386 of Deeds at Page 3 to the West and Lands of Garg-Toth as conveyed in Book 1442 of Deeds at Page 194 to the East, with the Southerly line of U.S. Route 20, thence from said point of beginning along said Southerly line, North 83° 42' 20" East, 18.84 feet to the point of intersection of said Southerly line with the Westerly line of Lands of Felice as conveyed in Book 1068 of Deeds at Page 647, thence along the Westerly, Southerly, and Easterly lines of Lands of Felice the following three (3) courses: 1.) South 03° 43' 40" East 281.67 feet to a point, thence 2.) North 86° 16' 30" East, 150.00 feet to a point, thence 3.) North 03° 43' 40" West, 301.88 feet to the point of intersection of said Easterly line with the Southerly line of U.S. Route 20, thence along said Southerly line the following four (4) courses: 1.) North 85° 45' 40" East, 131.89 feet to a point, thence 2.) North 86° 12' 40" East, 307.14 feet to a point, thence 3.) South 04° 01' 40" East, 99.18 feet to a point, thence 4.) North 87° 27' 40" East, 412.00 feet to a point, thence through Lands of Garg-Toth, South 02° 32' 20" East, 596.78 feet to a point in the Northerly line of Lands of Sanders as conveyed in Book 1034 of Deeds at Page 316, thence along said Northerly line, South 83° 10' 10" West, 1008.38 feet to the point of intersection of said Northerly line with the Easterly line of Lands of said Cadwell & Dinuzzo, thence along said Easterly line, North 03° 48' 20" West, 736.41 feet to the point of beginning and containing 15.00 +/- acres of land.

R.P.T.S.A. TAX MAP IDENT. SEC. 67.-- BLK. 3 LOT 12.2 D

The above described property is also shown as Lot No. 1 on a map entitled "Final Plat, Subdivision of Lands of Kiki S. Garg-Toth," dated September 20, 2001, prepared by Gilbert VanGuilder &Associates, and filed in the Schenectady County Clerk's Office on November 29, 2001 in Sleeve 32 of Map Cabinet K (Map K-32).

BEING a portion of the premises as conveyed to KIKI S. GARG-TOTH by deed dated November 25, 1994 and recorded in the Schenectady County Clerk's Office in Book 1442 of Deeds at Page 194.

ALSO BEING a portion of the premises as conveyed to AJAY P. GARG and KIKI S. GARG by deed from JAGADISH GARG, dated July 8, 1992 and filed in the Schenectady County Clerk's Office on July 20, 1992 in Book 1348 of Deeds at Page 238.

THIS CONVEYANCE is made and accepted subject to any and all existing and enforceable conditions, covenants, easements, restrictions and agreements of record affecting said premises.

TOGETHER with the appurtenances and all the estate and rights of the parties of the first part in and to said premises,

TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, his heirs and assigns forever.

AND said parties of the first part covenant as follows:

FIRST, that the party of the second part shall quietly enjoy the said premises;

ORIGINAL

SECOND, that said parties of the first part will forever WARRANT the title to said premises.

THIRD, that, in compliance with Sec. 13 of the Lien Law, the grantors will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

IN WITNESS WHEREOF, the parties of the first part have hereunto set their hands and seals the day and year first above written.

Kiki S. Garg-Toth
Kiki S. Garg-Toth

Ajay P. Garg
Ajay P. Garg

State of New York
County of Albany) SS.

On the 19th day of April the year 2003, before me, the undersigned a notary public in and for said state, personally appeared Kiki S. Garg-Toth, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to within the instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s) acted, executed the instrument.

GUSTAVE L. [illegible], JR.
No. [illegible]
Notary Public, State of New York
Qualified in Albany County
Commission Expires 7/31/2006

NOTARY PUBLIC, State of New York

State of New York
County of Albany) SS.

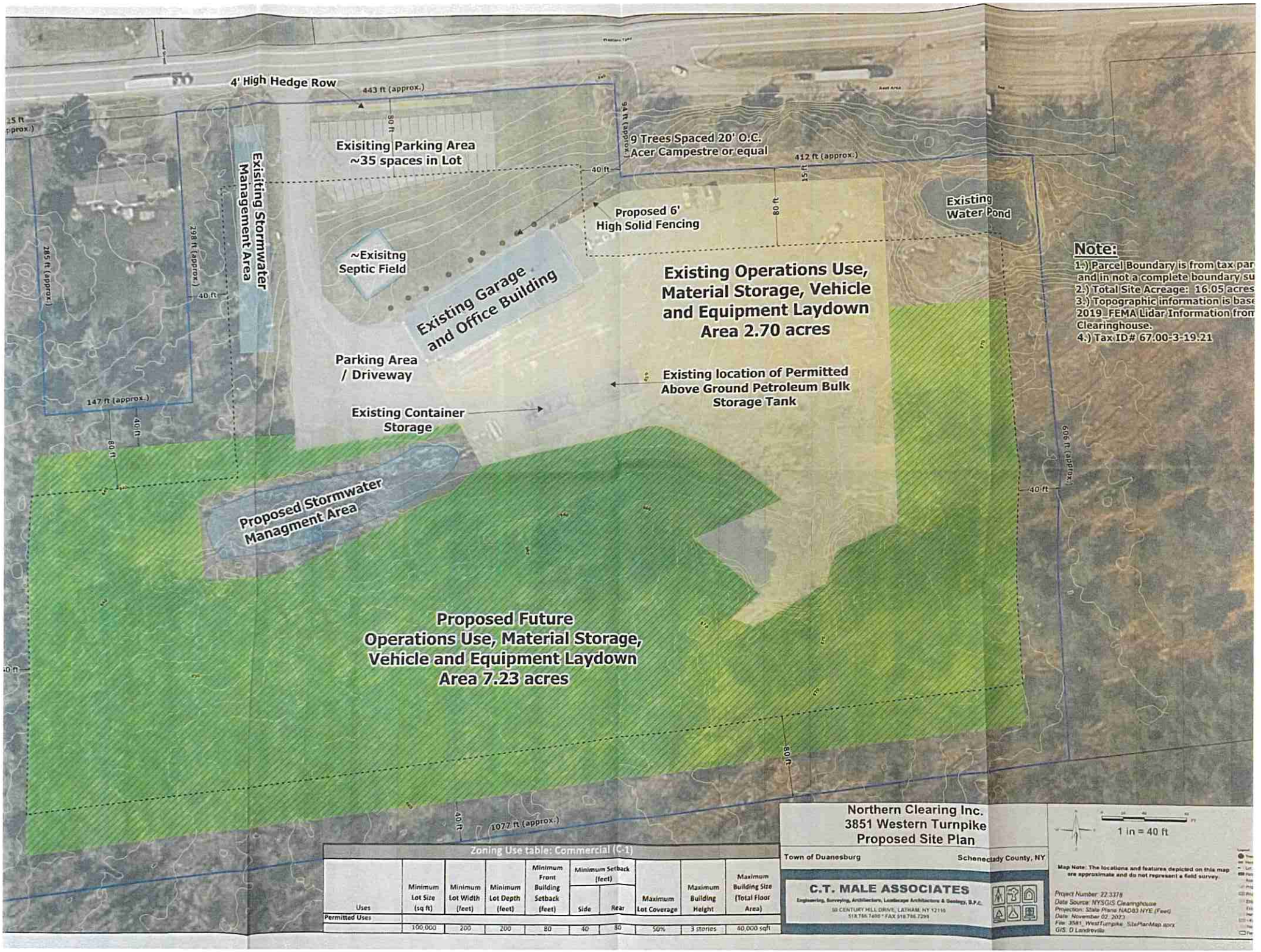
On the 21st day of April the year 2003, before me, the undersigned a notary public in and for said state, personally appeared Ajay P. Garg, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to within the instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s) acted, executed the instrument.

[illegible] GIBBONS
No. [illegible]6006500
Notary Public, State of New York
Qualified in Albany County
My Commission Expires 00/28/2003

NOTARY PUBLIC, State of New York

Record and Return to:

Neil Weiner, Esq.
646 Plank Road, Suite 200
Clifton Park, New York 12065



Note:

1.) Parcel Boundary is from tax par
and in not a complete boundary su
2.) Total Site Acreage: 16.05 acres
3.) Topographic information is base
2019_FEMA Lidar Information from
Clearinghouse.
4.) Tax ID# 67.00-3-19.21

Zoning Use table: Commercial (C-1)

Uses	Minimum Lot Size (sq ft)	Minimum Lot Width (feet)	Minimum Lot Depth (feet)	Minimum Front Building Setback (feet)	Minimum Setback (feet)		Maximum Lot Coverage	Maximum Building Height	Maximum Building Size (Total Floor Area)
					Side	Rear			
Permitted Uses									
	100,000	200	200	80	40	80	50%	3 stories	40,000 sqft

Northern Clearing Inc.
3851 Western Turnpike
Proposed Site Plan

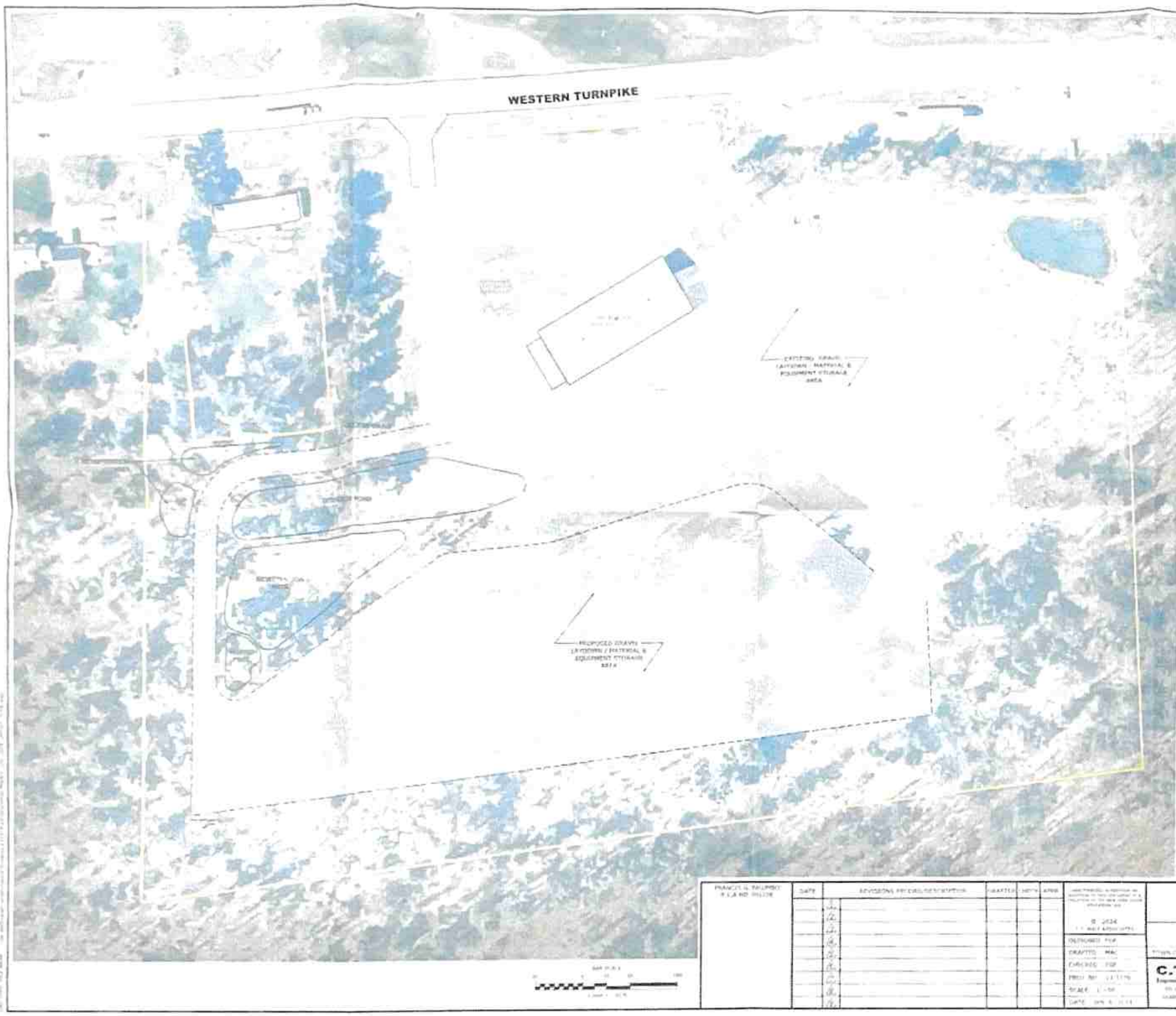
Town of Duanesburg — Schenectady County, NY

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.1400 • FAX 518.786.7299

1 in = 40 ft

Map Note: The locations and features depicted on this map are approximate and do not represent a field survey.

Project Number: 22.3378
Data Source: NYSGIS Clearinghouse
Projection: State Plane NAD83 NYE (Feet)
Date: November 02, 2023
File: 3581_WestTurnpike_SitePlanMap.aprx
GIS: D Landreville



SITE PLAN NOTES:

1. APPLICANT: NORTHERN CLEARING INC.
   [illegible] STATE HIGHWAY 137
   ASHLAND, WI 54806
2. PROJECT CONSISTS OF EXPANSION OF MATERIAL STORAGE, VEHICLE AND EQUIPMENT LAYDOWN AREA.
3. PARCEL ADDRESS 3851 WESTERN TURNPIKE (TAX MAP NO. [illegible])
4. PARCEL SIZE: [illegible] ACRES (AS PER TAX PARCEL DATA. THIS IS NOT A COMPLETE BOUNDARY SURVEY)
5. ZONING: COMMERCIAL (C-1)
   BUILDING SETBACKS: FRONT [illegible] SIDE [illegible] REAR [illegible]
   MAXIMUM LOT COVERAGE: [illegible]
6. PROPOSED LOT COVERAGE: [illegible]
7. THE APPLICANT SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS, INCLUDING BUT NOT LIMITED TO THE STATE ENVIRONMENTAL QUALITY REVIEW ACT (SEQR).
8. TOPOGRAPHIC INFORMATION SHOWN HEREON IS PER LIDAR INFORMATION COLLECTED IN 2019 AS SUPPLIED BY THE NEW YORK STATE GIS CLEARINGHOUSE, [illegible] METER DATA.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY AND SAFELY MAINTAINING CONSTRUCTION ACTIVITY WITHIN THE LIMITS OF THE CONSTRUCTION SITE.
10. DIG SAFELY NEW YORK (PHONE 800 962 7962 / PHONE 811) [illegible] SHALL BE NOTIFIED PRIOR TO CONDUCTING ANY TEST BORINGS, EXCAVATION OR CONSTRUCTION. UTILITY MARK OUTS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
11. EXISTING SITE STORM DRAINAGE SHEET FLOWS SOUTHEAST TO NORTHWEST TOWARDS WESTERN TURNPIKE. THE PROPOSED GRAVEL AREAS SHALL MATCH THE EXISTING TOPOGRAPHY OF THE SITE AND FOLLOW THE EXISTING SHEET RUNOFF TOWARDS A PROPOSED STORMWATER MANAGEMENT AREA.

FOR MUNICIPAL REVIEW PURPOSES ONLY NOT FOR CONSTRUCTION

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTED	CHECK	APPR.

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DESIGNED: [illegible]
DRAFTED: MAC
CHECKED: [illegible]
PROJ. NO: [illegible]
SCALE: [illegible]
DATE: [illegible]

SITE LAYOUT PLAN

NORTHERN CLEARING INC.
3851 WESTERN TURNPIKE

TOWN OF [illegible] — SCHENECTADY COUNTY, NEW YORK

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

C-101
SHEET [illegible] OF [illegible]
DWG. NO. 24-0107

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 www.ctmale.com

Project and Stormwater Narrative

for
NORTHERN CLEARING INC.
TOWN OF DUANESBURG, NY
January 5, 2024

C.T. Male Associates Engineering, Surveying, Architecture, Landscape Architecture & Geology D.P.C. (C.T. Male) has performed an evaluation of the pre-development and post-development drainage conditions at Northern Clearing Inc. in the Town of Duanesburg, New York. The site address is 3851 Western Turnpike, Tax Map No. 67.00-3-19.21. the site is located to the south side of Western Turnpike, within the Commercial C-1 Zone, is approximately 16 acres in size.

The site has an existing office/warehouse and gravel lot that is used for storage and layout of equipment and materials. The overall 16-acre parcel generally drains to the northwest, with a small portion of land draining to the northeast. Stormwater runoff from the project site currently drains across the site through natural drainage ditches to a roadside ditch along Western Turnpike. Review of the soils survey obtained from the USDA NRCS Web Soil Survey website, on-site soils are classified as Hydrologic Soil Group (HSG) "C/D" soils; which typically exhibit low infiltration rates.

The proposal includes the construction of approximately 4.0 acres of gravel for additional material storage, vehicle and equipment laydown area. The existing office/garage building and gravel driveway to remain. The total disturbance associated with the project will exceed the 1-acre disturbance threshold; therefore, the project must gain coverage under the SPDES General Permit for Stormwater Discharges from Construction Activity GP-0-20-001 (General Permit).

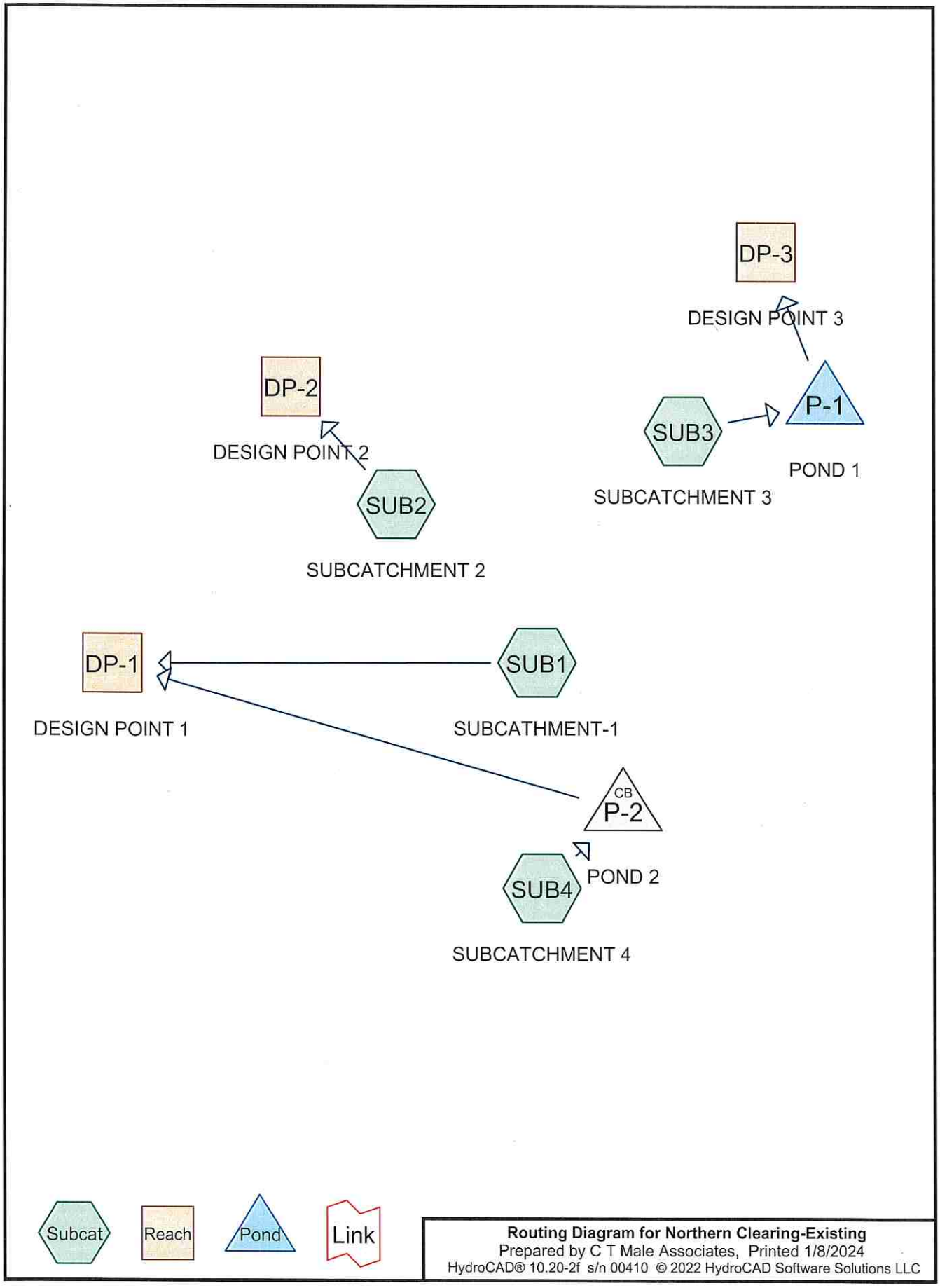
Stormwater management practices (SMPs) have been designed to control the peak runoff rates to meet existing conditions rates. The proposed Stormwater Management Practice will be through a bioretention area and detention basin. The pretreatment practices proposed will include a grass swale and forebay. Most of the runoff from the proposed development (Subcatchment 1) will be conveyed via a grass swale to a pretreatment forebay prior to entering a bioretention basin (BIO-1). Bioretention area 1 shall outlet into a detention pond (P-1) via an overflow weir in order to attenuate larger storm events. The remainder of the proposed development (Subcatchments 2 and 3) will be conveyed via grass swales prior to entering bioretention areas (BIO-2 and BIO-3). A portion of the undeveloped lands will bypass the gravel area into a natural drainage ditch via an upland diversion swale and culvert. Additionally, the existing lands that drain to the northeast

will remain undisturbed or modified as part of this proposal. The bioretention basins 2 and 3 (BIO-2, BIO-3) contain overflow weirs to control runoff from larger storm events; however, the calculated 100-year storm event will not exceed the overflow weir of any bioretention area, nor the previously mentioned detention pond (P-1). The table below shows the calculated peak runoff rates during the 1, 10 and 100-year storm events. These results have been computed using HydroCAD Version 10-Build 20 for existing and proposed conditions:

	Design Point 1		Design Point 2		Design Point 3	
Storm Event	**Existing**	**Proposed**	**Existing**	**Proposed**	**Existing**	**Proposed**
1-Year (cfs)	6.14 cfs	1.80 cfs	4.21 cfs	4.21 cfs	0.00 cfs	0.00 cfs
10-Year (cfs)	15.82 cfs	10.52 cfs	10.55 cfs	10.55 cfs	0.01 cfs	0.01 cfs
100 Year (cfs)	42.76 cfs	41.68 cfs	27.83 cfs	27.783 cfs	0.87 cfs	0.87 cfs

The results of the hydrologic computations show that the calculated existing and proposed flow rates are equivalent or less than; therefore, it is our opinion that the proposed site modifications, as designed, will not adversely impact downstream properties or drainage systems.

Please refer to the accompanying HydroCAD printouts for more detailed calculation information.



Routing Diagram for Northern Clearing-Existing
Prepared by C T Male Associates, Printed 1/8/2024

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	1-yr	Type II 24-hr		Default	24.00	1	2.18	2
2	10-yr	Type II 24-hr		Default	24.00	1	3.60	2
3	100-yr	Type II 24-hr		Default	24.00	1	7.10	2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.753	74	>75% Grass cover, Good, HSG C (SUB1, SUB2, SUB3)
2.098	80	>75% Grass cover, Good, HSG D (SUB1, SUB2)
1.155	96	Gravel surface, HSG C (SUB1, SUB2, SUB3)
2.317	96	Gravel surface, HSG D (SUB1, SUB2, SUB4)
0.031	98	Paved parking, HSG D (SUB2)
0.244	98	Unconnected roofs, HSG C (SUB1, SUB2)
0.011	98	Unconnected roofs, HSG D (SUB1)
0.323	70	Woods, Good, HSG C (SUB1, SUB3)
8.600	77	Woods, Good, HSG D (SUB1, SUB2, SUB4)
15.531	**82**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
2.475	HSG C	SUB1, SUB2, SUB3
13.057	HSG D	SUB1, SUB2, SUB4
0.000	Other	
15.531		**TOTAL AREA**

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentSUB1: SUBCATHMENT-1 Runoff Area=458,719 sf 1.19% Impervious Runoff Depth>0.76"
Flow Length=1,114' Tc=36.2 min CN=82 Runoff=5.85 cfs 0.668 af

SubcatchmentSUB2: SUBCATCHMENT2 Runoff Area=151,814 sf 4.57% Impervious Runoff Depth>0.72"
Flow Length=275' Tc=7.0 min UI Adjusted CN=81 Runoff=4.21 cfs 0.209 af

SubcatchmentSUB3: SUBCATCHMENT3 Runoff Area=20,905 sf 0.00% Impervious Runoff Depth>0.82"
Flow Length=120' Tc=15.3 min CN=83 Runoff=0.49 cfs 0.033 af

SubcatchmentSUB4: SUBCATCHMENT4 Runoff Area=45,109 sf 0.00% Impervious Runoff Depth>0.54"
Flow Length=190' Tc=18.4 min CN=77 Runoff=0.59 cfs 0.047 af

Reach DP-1: DESIGN POINT 1 Inflow=6.14 cfs 0.715 af
Outflow=6.14 cfs 0.715 af

Reach DP-2: DESIGN POINT 2 Inflow=4.21 cfs 0.209 af
Outflow=4.21 cfs 0.209 af

Reach DP-3: DESIGN POINT 3 Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond P-1: POND 1 Peak Elev=849.22' Storage=1,423 cf Inflow=0.49 cfs 0.033 af
Outflow=0.00 cfs 0.000 af

Pond P-2: POND 2 Peak Elev=862.54' Inflow=0.59 cfs 0.047 af
Outflow=0.59 cfs 0.047 af

Total Runoff Area = 15.531 ac Runoff Volume = 0.957 af Average Runoff Depth = 0.74"
98.17% Pervious = 15.247 ac 1.83% Impervious = 0.285 ac

Summary for Subcatchment SUB1: SUBCATHMENT-1

Runoff = 5.85 cfs @ 12.34 hrs, Volume= 0.668 af, Depth> 0.76"
Routed to Reach DP-1 : DESIGN POINT 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Description
5,013	98	Unconnected roofs, HSG C
32,173	96	Gravel surface, HSG C
3,078	74	>75% Grass cover, Good, HSG C
7,409	70	Woods, Good, HSG C
458	98	Unconnected roofs, HSG D
83,244	96	Gravel surface, HSG D
46,437	80	>75% Grass cover, Good, HSG D
280,907	77	Woods, Good, HSG D
458,719	82	Weighted Average
453,248		98.81% Pervious Area
5,471		1.19% Impervious Area
5,471		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0300	0.08		**Sheet Flow, Sheet Flow** Woods: Light underbrush n= 0.400 P2= 2.53"
2.0	64	0.0110	0.52		**Shallow Concentrated Flow, shallow concentrated, lightly slo** Woodland Kv= 5.0 fps
0.2	30	0.2510	2.50		**Shallow Concentrated Flow, shallow concentrated- steeo slop** Woodland Kv= 5.0 fps
0.2	80	0.0747	5.55		**Shallow Concentrated Flow, shallow over gravel** Paved Kv= 20.3 fps
13.3	840	0.0226	1.05		**Shallow Concentrated Flow, shallow in existing swale to PL** Short Grass Pasture Kv= 7.0 fps
36.2	1,114	Total			

Summary for Subcatchment SUB2: SUBCATCHMENT 2

Runoff = 4.21 cfs @ 11.99 hrs, Volume= 0.209 af, Depth> 0.72"
Routed to Reach DP-2 : DESIGN POINT 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Adj	Description
5,603	98		Unconnected roofs, HSG C
8,448	96		Gravel surface, HSG C
25,175	74		>75% Grass cover, Good, HSG C
1,329	98		Paved parking, HSG D
17,465	96		Gravel surface, HSG D
44,973	80		>75% Grass cover, Good, HSG D
48,821	77		Woods, Good, HSG D
151,814	82	81	Weighted Average, UI Adjusted
144,882			95.43% Pervious Area
6,932			4.57% Impervious Area
5,603			80.83% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1	100	0.0895	0.28		**Sheet Flow, sheet** Grass: Short n= 0.150 P2= 2.53"
0.1	13	0.0408	3.03		**Shallow Concentrated Flow, shallow--roadside** Grassed Waterway Kv= 15.0 fps
0.3	78	0.0606	5.00		**Shallow Concentrated Flow, across driveway** Paved Kv= 20.3 fps
0.5	84	0.0330	2.72		**Shallow Concentrated Flow, to edge of propoerty** Grassed Waterway Kv= 15.0 fps
7.0	275	Total			

Summary for Subcatchment SUB3: SUBCATCHMENT 3

Runoff = 0.49 cfs @ 12.08 hrs, Volume= 0.033 af, Depth> 0.82"
Routed to Pond P-1 : POND 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Description
9,705	96	Gravel surface, HSG C
4,534	74	>75% Grass cover, Good, HSG C
6,666	70	Woods, Good, HSG C
20,905	83	Weighted Average
20,905		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.7	35	0.0600	0.09		**Sheet Flow, sheet flow gentle slope** Woods: Light underbrush n= 0.400 P2= 2.53"
5.5	35	0.4000	0.11		**Sheet Flow, sheet flow steep slope** Woods: Dense underbrush n= 0.800 P2= 2.53"
3.0	30	0.0470	0.17		**Sheet Flow, sheet transition from woods to grass** Grass: Short n= 0.150 P2= 2.53"
0.1	20	0.1225	2.45		**Shallow Concentrated Flow, entry to pond** Short Grass Pasture Kv= 7.0 fps
15.3	120	Total			

Summary for Subcatchment SUB4: SUBCATCHMENT 4

Runoff = 0.59 cfs @ 12.13 hrs, Volume= 0.047 af, Depth> 0.54"
Routed to Pond P-2 : POND 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Description
203	96	Gravel surface, HSG D
44,906	77	Woods, Good, HSG D
45,109	77	Weighted Average
45,109		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	100	0.0471	0.10		**Sheet Flow, sheet** Woods: Light underbrush n= 0.400 P2= 2.53"
1.3	90	0.0553	1.18		**Shallow Concentrated Flow, shallow to pond 2** Woodland Kv= 5.0 fps
18.4	190	Total			

Summary for Reach DP-1: DESIGN POINT 1

Inflow Area = 11.566 ac, 1.09% Impervious, Inflow Depth > 0.74" for 1-yr event
Inflow = 6.14 cfs @ 12.33 hrs, Volume= 0.715 af
Outflow = 6.14 cfs @ 12.33 hrs, Volume= 0.715 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-2: DESIGN POINT 2

Inflow Area = 3.485 ac, 4.57% Impervious, Inflow Depth > 0.72" for 1-yr event
Inflow = 4.21 cfs @ 11.99 hrs, Volume= 0.209 af
Outflow = 4.21 cfs @ 11.99 hrs, Volume= 0.209 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-3: DESIGN POINT 3

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth = 0.00" for 1-yr event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min

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

Summary for Pond P-1: POND 1

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth > 0.82" for 1-yr event
Inflow = 0.49 cfs @ 12.08 hrs, Volume= 0.033 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach DP-3 : DESIGN POINT 3

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 849.22' @ 24.00 hrs Surf.Area= 6,563 sf Storage= 1,423 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	849.00'	6,665 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
849.00	6,484	0	0
850.00	6,846	6,665	6,665

Device	Routing	Invert	Outlet Devices
#1	Primary	849.50'	**4.0' long + 0.1 '/' 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 @ 0.00 hrs HW=849.00' (Free Discharge)
↑**1=Broad-Crested Rectangular Weir**(Controls 0.00 cfs)

Summary for Pond P-2: POND 2

Inflow Area = 1.036 ac, 0.00% Impervious, Inflow Depth > 0.54" for 1-yr event
Inflow = 0.59 cfs @ 12.13 hrs, Volume= 0.047 af
Outflow = 0.59 cfs @ 12.13 hrs, Volume= 0.047 af, Atten= 0%, Lag= 0.0 min
Primary = 0.59 cfs @ 12.13 hrs, Volume= 0.047 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 862.54' @ 12.13 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	862.50'	**25.0' long + 0.1 '/' 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=0.58 cfs @ 12.13 hrs HW=862.54' (Free Discharge)
↑**1=Broad-Crested Rectangular Weir**(Weir Controls 0.58 cfs @ 0.52 fps)

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentSUB1: SUBCATHMENT-1 Runoff Area=458,719 sf 1.19% Impervious Runoff Depth>1.85"
Flow Length=1,114' Tc=36.2 min CN=82 Runoff=14.94 cfs 1.621 af

SubcatchmentSUB2: SUBCATCHMENT2 Runoff Area=151,814 sf 4.57% Impervious Runoff Depth>1.79"
Flow Length=275' Tc=7.0 min UI Adjusted CN=81 Runoff=10.55 cfs 0.519 af

SubcatchmentSUB3: SUBCATCHMENT3 Runoff Area=20,905 sf 0.00% Impervious Runoff Depth>1.94"
Flow Length=120' Tc=15.3 min CN=83 Runoff=1.18 cfs 0.077 af

SubcatchmentSUB4: SUBCATCHMENT4 Runoff Area=45,109 sf 0.00% Impervious Runoff Depth>1.50"
Flow Length=190' Tc=18.4 min CN=77 Runoff=1.78 cfs 0.129 af

Reach DP-1: DESIGN POINT 1 Inflow=15.82 cfs 1.751 af
Outflow=15.82 cfs 1.751 af

Reach DP-2: DESIGN POINT 2 Inflow=10.55 cfs 0.519 af
Outflow=10.55 cfs 0.519 af

Reach DP-3: DESIGN POINT 3 Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond P-1: POND 1 Peak Elev=849.51' Storage=3,346 cf Inflow=1.18 cfs 0.077 af
Outflow=0.01 cfs 0.001 af

Pond P-2: POND 2 Peak Elev=862.59' Inflow=1.78 cfs 0.129 af
Outflow=1.78 cfs 0.129 af

Total Runoff Area = 15.531 ac Runoff Volume = 2.347 af Average Runoff Depth = 1.81"
98.17% Pervious = 15.247 ac 1.83% Impervious = 0.285 ac

Summary for Subcatchment SUB1: SUBCATHMENT-1

Runoff = 14.94 cfs @ 12.32 hrs, Volume= 1.621 af, Depth> 1.85"
Routed to Reach DP-1 : DESIGN POINT 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Description
5,013	98	Unconnected roofs, HSG C
32,173	96	Gravel surface, HSG C
3,078	74	>75% Grass cover, Good, HSG C
7,409	70	Woods, Good, HSG C
458	98	Unconnected roofs, HSG D
83,244	96	Gravel surface, HSG D
46,437	80	>75% Grass cover, Good, HSG D
280,907	77	Woods, Good, HSG D
458,719	82	Weighted Average
453,248		98.81% Pervious Area
5,471		1.19% Impervious Area
5,471		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0300	0.08		**Sheet Flow, Sheet Flow** Woods: Light underbrush n= 0.400 P2= 2.53"
2.0	64	0.0110	0.52		**Shallow Concentrated Flow, shallow concentrated, lightly slo** Woodland Kv= 5.0 fps
0.2	30	0.2510	2.50		**Shallow Concentrated Flow, shallow concentrated- steeo slop** Woodland Kv= 5.0 fps
0.2	80	0.0747	5.55		**Shallow Concentrated Flow, shallow over gravel** Paved Kv= 20.3 fps
13.3	840	0.0226	1.05		**Shallow Concentrated Flow, shallow in existing swale to PL** Short Grass Pasture Kv= 7.0 fps
36.2	1,114	Total			

Summary for Subcatchment SUB2: SUBCATCHMENT 2

Runoff = 10.55 cfs @ 11.99 hrs, Volume= 0.519 af, Depth> 1.79"
Routed to Reach DP-2 : DESIGN POINT 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Adj	Description
5,603	98		Unconnected roofs, HSG C
8,448	96		Gravel surface, HSG C
25,175	74		>75% Grass cover, Good, HSG C
1,329	98		Paved parking, HSG D
17,465	96		Gravel surface, HSG D
44,973	80		>75% Grass cover, Good, HSG D
48,821	77		Woods, Good, HSG D
151,814	82	81	Weighted Average, UI Adjusted
144,882			95.43% Pervious Area
6,932			4.57% Impervious Area
5,603			80.83% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1	100	0.0895	0.28		**Sheet Flow, sheet** Grass: Short n= 0.150 P2= 2.53"
0.1	13	0.0408	3.03		**Shallow Concentrated Flow, shallow--roadside** Grassed Waterway Kv= 15.0 fps
0.3	78	0.0606	5.00		**Shallow Concentrated Flow, across driveway** Paved Kv= 20.3 fps
0.5	84	0.0330	2.72		**Shallow Concentrated Flow, to edge of propoerty** Grassed Waterway Kv= 15.0 fps
7.0	275	Total			

Summary for Subcatchment SUB3: SUBCATCHMENT 3

Runoff = 1.18 cfs @ 12.08 hrs, Volume= 0.077 af, Depth> 1.94"
Routed to Pond P-1 : POND 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Description
9,705	96	Gravel surface, HSG C
4,534	74	>75% Grass cover, Good, HSG C
6,666	70	Woods, Good, HSG C
20,905	83	Weighted Average
20,905		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.7	35	0.0600	0.09		**Sheet Flow, sheet flow gentle slope** Woods: Light underbrush n= 0.400 P2= 2.53"
5.5	35	0.4000	0.11		**Sheet Flow, sheet flow steep slope** Woods: Dense underbrush n= 0.800 P2= 2.53"
3.0	30	0.0470	0.17		**Sheet Flow, sheet transition from woods to grass** Grass: Short n= 0.150 P2= 2.53"
0.1	20	0.1225	2.45		**Shallow Concentrated Flow, entry to pond** Short Grass Pasture Kv= 7.0 fps
15.3	120	Total			

Summary for Subcatchment SUB4: SUBCATCHMENT 4

Runoff = 1.78 cfs @ 12.12 hrs, Volume= 0.129 af, Depth> 1.50"
Routed to Pond P-2 : POND 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Description
203	96	Gravel surface, HSG D
44,906	77	Woods, Good, HSG D
45,109	77	Weighted Average
45,109		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	100	0.0471	0.10		**Sheet Flow, sheet** Woods: Light underbrush n= 0.400 P2= 2.53"
1.3	90	0.0553	1.18		**Shallow Concentrated Flow, shallow to pond 2** Woodland Kv= 5.0 fps
18.4	190	Total			

Summary for Reach DP-1: DESIGN POINT 1

Inflow Area = 11.566 ac, 1.09% Impervious, Inflow Depth > 1.82" for 10-yr event
Inflow = 15.82 cfs @ 12.31 hrs, Volume= 1.751 af
Outflow = 15.82 cfs @ 12.31 hrs, Volume= 1.751 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-2: DESIGN POINT 2

Inflow Area = 3.485 ac, 4.57% Impervious, Inflow Depth > 1.79" for 10-yr event
Inflow = 10.55 cfs @ 11.99 hrs, Volume= 0.519 af
Outflow = 10.55 cfs @ 11.99 hrs, Volume= 0.519 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-3: DESIGN POINT 3

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth > 0.01" for 10-yr event
Inflow = 0.01 cfs @ 24.00 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 24.00 hrs, Volume= 0.001 af, Atten= 0%, Lag= 0.0 min

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

Summary for Pond P-1: POND 1

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth > 1.94" for 10-yr event
Inflow = 1.18 cfs @ 12.08 hrs, Volume= 0.077 af
Outflow = 0.01 cfs @ 24.00 hrs, Volume= 0.001 af, Atten= 99%, Lag= 715.5 min
Primary = 0.01 cfs @ 24.00 hrs, Volume= 0.001 af
Routed to Reach DP-3 : DESIGN POINT 3

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 849.51' @ 24.00 hrs Surf.Area= 6,668 sf Storage= 3,346 cf

Plug-Flow detention time= 858.1 min calculated for 0.001 af (1% of inflow)
Center-of-Mass det. time= 580.9 min (1,411.6 - 830.7)

Volume	Invert	Avail.Storage	Storage Description
#1	849.00'	6,665 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
849.00	6,484	0	0
850.00	6,846	6,665	6,665

Device	Routing	Invert	Outlet Devices
#1	Primary	849.50'	**4.0' long + 0.1 '/' 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 @ 24.00 hrs HW=849.51' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir** (Weir Controls 0.01 cfs @ 0.23 fps)

Summary for Pond P-2: POND 2

Inflow Area = 1.036 ac, 0.00% Impervious, Inflow Depth > 1.50" for 10-yr event
Inflow = 1.78 cfs @ 12.12 hrs, Volume= 0.129 af
Outflow = 1.78 cfs @ 12.12 hrs, Volume= 0.129 af, Atten= 0%, Lag= 0.0 min
Primary = 1.78 cfs @ 12.12 hrs, Volume= 0.129 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 862.59' @ 12.12 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	862.50'	**25.0' long + 0.1 '/' 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=1.76 cfs @ 12.12 hrs HW=862.59' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir** (Weir Controls 1.76 cfs @ 0.76 fps)

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentSUB1: SUBCATHMENT-1 Runoff Area=458,719 sf 1.19% Impervious Runoff Depth>4.97"
Flow Length=1,114' Tc=36.2 min CN=82 Runoff=40.08 cfs 4.362 af

SubcatchmentSUB2: SUBCATCHMENT2 Runoff Area=151,814 sf 4.57% Impervious Runoff Depth>4.89"
Flow Length=275' Tc=7.0 min UI Adjusted CN=81 Runoff=27.83 cfs 1.421 af

SubcatchmentSUB3: SUBCATCHMENT3 Runoff Area=20,905 sf 0.00% Impervious Runoff Depth>5.11"
Flow Length=120' Tc=15.3 min CN=83 Runoff=3.05 cfs 0.204 af

SubcatchmentSUB4: SUBCATCHMENT4 Runoff Area=45,109 sf 0.00% Impervious Runoff Depth>4.44"
Flow Length=190' Tc=18.4 min CN=77 Runoff=5.33 cfs 0.383 af

Reach DP-1: DESIGN POINT 1 Inflow=42.76 cfs 4.745 af
Outflow=42.76 cfs 4.745 af

Reach DP-2: DESIGN POINT 2 Inflow=27.83 cfs 1.421 af
Outflow=27.83 cfs 1.421 af

Reach DP-3: DESIGN POINT 3 Inflow=0.87 cfs 0.125 af
Outflow=0.87 cfs 0.125 af

Pond P-1: POND 1 Peak Elev=849.70' Storage=4,605 cf Inflow=3.05 cfs 0.204 af
Outflow=0.87 cfs 0.125 af

Pond P-2: POND 2 Peak Elev=862.69' Inflow=5.33 cfs 0.383 af
Outflow=5.33 cfs 0.383 af

Total Runoff Area = 15.531 ac Runoff Volume = 6.370 af Average Runoff Depth = 4.92"
98.17% Pervious = 15.247 ac 1.83% Impervious = 0.285 ac

Summary for Subcatchment SUB1: SUBCATHMENT-1

Runoff = 40.08 cfs @ 12.31 hrs, Volume= 4.362 af, Depth> 4.97"
Routed to Reach DP-1 : DESIGN POINT 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
5,013	98	Unconnected roofs, HSG C
32,173	96	Gravel surface, HSG C
3,078	74	>75% Grass cover, Good, HSG C
7,409	70	Woods, Good, HSG C
458	98	Unconnected roofs, HSG D
83,244	96	Gravel surface, HSG D
46,437	80	>75% Grass cover, Good, HSG D
280,907	77	Woods, Good, HSG D
458,719	82	Weighted Average
453,248		98.81% Pervious Area
5,471		1.19% Impervious Area
5,471		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0300	0.08		**Sheet Flow, Sheet Flow** Woods: Light underbrush n= 0.400 P2= 2.53"
2.0	64	0.0110	0.52		**Shallow Concentrated Flow, shallow concentrated, lightly slo** Woodland Kv= 5.0 fps
0.2	30	0.2510	2.50		**Shallow Concentrated Flow, shallow concentrated- steeo slop** Woodland Kv= 5.0 fps
0.2	80	0.0747	5.55		**Shallow Concentrated Flow, shallow over gravel** Paved Kv= 20.3 fps
13.3	840	0.0226	1.05		**Shallow Concentrated Flow, shallow in existing swale to PL** Short Grass Pasture Kv= 7.0 fps
36.2	1,114	Total			

Summary for Subcatchment SUB2: SUBCATCHMENT 2

Runoff = 27.83 cfs @ 11.98 hrs, Volume= 1.421 af, Depth> 4.89"
Routed to Reach DP-2 : DESIGN POINT 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Adj	Description
5,603	98		Unconnected roofs, HSG C
8,448	96		Gravel surface, HSG C
25,175	74		>75% Grass cover, Good, HSG C
1,329	98		Paved parking, HSG D
17,465	96		Gravel surface, HSG D
44,973	80		>75% Grass cover, Good, HSG D
48,821	77		Woods, Good, HSG D
151,814	82	81	Weighted Average, UI Adjusted
144,882			95.43% Pervious Area
6,932			4.57% Impervious Area
5,603			80.83% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1	100	0.0895	0.28		**Sheet Flow, sheet** Grass: Short n= 0.150 P2= 2.53"
0.1	13	0.0408	3.03		**Shallow Concentrated Flow, shallow--roadside** Grassed Waterway Kv= 15.0 fps
0.3	78	0.0606	5.00		**Shallow Concentrated Flow, across driveway** Paved Kv= 20.3 fps
0.5	84	0.0330	2.72		**Shallow Concentrated Flow, to edge of propoerty** Grassed Waterway Kv= 15.0 fps
7.0	275	Total			

Summary for Subcatchment SUB3: SUBCATCHMENT 3

Runoff = 3.05 cfs @ 12.07 hrs, Volume= 0.204 af, Depth> 5.11"
Routed to Pond P-1 : POND 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
9,705	96	Gravel surface, HSG C
4,534	74	>75% Grass cover, Good, HSG C
6,666	70	Woods, Good, HSG C
20,905	83	Weighted Average
20,905		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.7	35	0.0600	0.09		**Sheet Flow, sheet flow gentle slope** Woods: Light underbrush n= 0.400 P2= 2.53"
5.5	35	0.4000	0.11		**Sheet Flow, sheet flow steep slope** Woods: Dense underbrush n= 0.800 P2= 2.53"
3.0	30	0.0470	0.17		**Sheet Flow, sheet transition from woods to grass** Grass: Short n= 0.150 P2= 2.53"
0.1	20	0.1225	2.45		**Shallow Concentrated Flow, entry to pond** Short Grass Pasture Kv= 7.0 fps
15.3	120	Total			

Summary for Subcatchment SUB4: SUBCATCHMENT 4

Runoff = 5.33 cfs @ 12.11 hrs, Volume= 0.383 af, Depth> 4.44"
Routed to Pond P-2 : POND 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
203	96	Gravel surface, HSG D
44,906	77	Woods, Good, HSG D
45,109	77	Weighted Average
45,109		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	100	0.0471	0.10		**Sheet Flow, sheet** Woods: Light underbrush n= 0.400 P2= 2.53"
1.3	90	0.0553	1.18		**Shallow Concentrated Flow, shallow to pond 2** Woodland Kv= 5.0 fps
18.4	190	Total			

Summary for Reach DP-1: DESIGN POINT 1

Inflow Area = 11.566 ac, 1.09% Impervious, Inflow Depth > 4.92" for 100-yr event
Inflow = 42.76 cfs @ 12.29 hrs, Volume= 4.745 af
Outflow = 42.76 cfs @ 12.29 hrs, Volume= 4.745 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-2: DESIGN POINT 2

Inflow Area = 3.485 ac, 4.57% Impervious, Inflow Depth > 4.89" for 100-yr event
Inflow = 27.83 cfs @ 11.98 hrs, Volume= 1.421 af
Outflow = 27.83 cfs @ 11.98 hrs, Volume= 1.421 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-3: DESIGN POINT 3

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth > 3.13" for 100-yr event
Inflow = 0.87 cfs @ 12.35 hrs, Volume= 0.125 af
Outflow = 0.87 cfs @ 12.35 hrs, Volume= 0.125 af, Atten= 0%, Lag= 0.0 min

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

Summary for Pond P-1: POND 1

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth > 5.11" for 100-yr event
Inflow = 3.05 cfs @ 12.07 hrs, Volume= 0.204 af
Outflow = 0.87 cfs @ 12.35 hrs, Volume= 0.125 af, Atten= 71%, Lag= 16.8 min
Primary = 0.87 cfs @ 12.35 hrs, Volume= 0.125 af
Routed to Reach DP-3 : DESIGN POINT 3

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 849.70' @ 12.35 hrs Surf.Area= 6,736 sf Storage= 4,605 cf

Plug-Flow detention time= 202.3 min calculated for 0.125 af (61% of inflow)
Center-of-Mass det. time= 99.3 min (902.8 - 803.4)

Volume	Invert	Avail.Storage	Storage Description
#1	849.00'	6,665 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
849.00	6,484	0	0
850.00	6,846	6,665	6,665

Device	Routing	Invert	Outlet Devices
#1	Primary	849.50'	**4.0' long + 0.1 '/' 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=0.87 cfs @ 12.35 hrs HW=849.70' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir** (Weir Controls 0.87 cfs @ 1.10 fps)

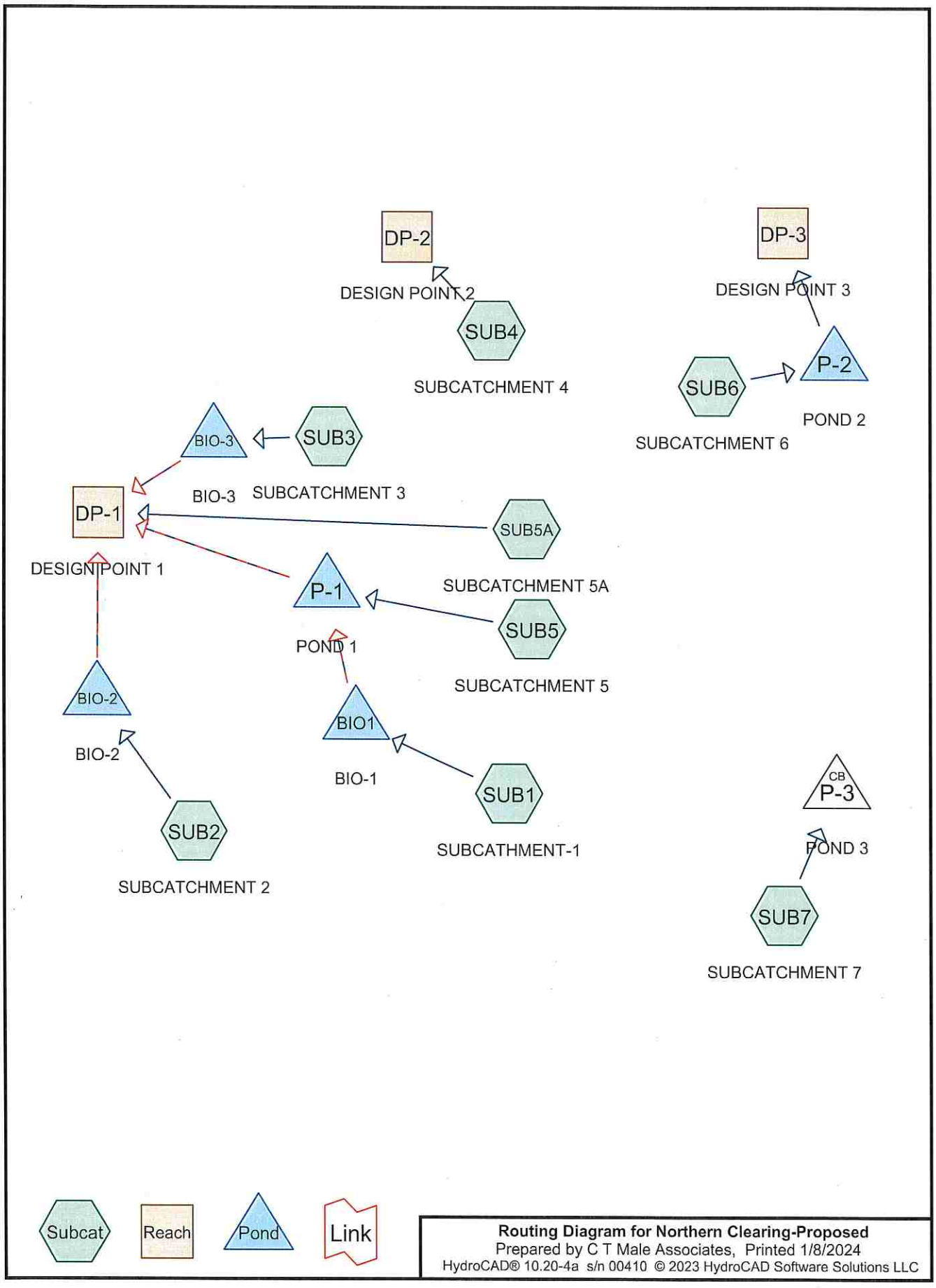
Summary for Pond P-2: POND 2

Inflow Area = 1.036 ac, 0.00% Impervious, Inflow Depth > 4.44" for 100-yr event
Inflow = 5.33 cfs @ 12.11 hrs, Volume= 0.383 af
Outflow = 5.33 cfs @ 12.11 hrs, Volume= 0.383 af, Atten= 0%, Lag= 0.0 min
Primary = 5.33 cfs @ 12.11 hrs, Volume= 0.383 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 862.69' @ 12.11 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	862.50'	**25.0' long + 0.1 '/' 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=5.29 cfs @ 12.11 hrs HW=862.69' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir** (Weir Controls 5.29 cfs @ 1.09 fps)



Routing Diagram for Northern Clearing-Proposed
Prepared by C T Male Associates, Printed 1/8/2024

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	1-yr	Type II 24-hr		Default	24.00	1	2.18	2
2	10-yr	Type II 24-hr		Default	24.00	1	3.60	2
3	100-yr	Type II 24-hr		Default	24.00	1	7.10	2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.750	74	>75% Grass cover, Good, HSG C (SUB3, SUB4, SUB5, SUB6)
3.894	80	>75% Grass cover, Good, HSG D (SUB1, SUB2, SUB3, SUB4, SUB5, SUB5A)
1.244	96	Gravel surface, HSG C (SUB3, SUB4, SUB5, SUB6)
6.280	96	Gravel surface, HSG D (SUB1, SUB2, SUB3, SUB4, SUB5, SUB7)
0.031	98	Paved parking, HSG D (SUB4)
0.129	98	Unconnected roofs, HSG C (SUB4)
0.323	70	Woods, Good, HSG C (SUB5, SUB6)
3.065	77	Woods, Good, HSG D (SUB4, SUB5, SUB5A, SUB7)
15.716	**87**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
2.446	HSG C	SUB3, SUB4, SUB5, SUB6
13.270	HSG D	SUB1, SUB2, SUB3, SUB4, SUB5, SUB5A, SUB7
0.000	Other	
15.716		**TOTAL AREA**

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentSUB1: SUBCATHMENT-1 Runoff Area=229,624 sf 0.00% Impervious Runoff Depth>1.40"
Flow Length=953' Tc=7.6 min CN=92 Runoff=11.98 cfs 0.614 af

SubcatchmentSUB2: SUBCATCHMENT2 Runoff Area=11,426 sf 0.00% Impervious Runoff Depth>1.05"
Flow Length=175' Tc=1.3 min CN=87 Runoff=0.54 cfs 0.023 af

SubcatchmentSUB3: SUBCATCHMENT3 Runoff Area=13,060 sf 0.00% Impervious Runoff Depth>1.18"
Flow Length=310' Tc=2.2 min CN=89 Runoff=0.68 cfs 0.029 af

SubcatchmentSUB4: SUBCATCHMENT4 Runoff Area=124,400 sf 5.57% Impervious Runoff Depth>0.77"
Flow Length=275' Tc=7.0 min UI Adjusted CN=82 Runoff=3.70 cfs 0.183 af

SubcatchmentSUB5: SUBCATCHMENT5 Runoff Area=157,941 sf 0.00% Impervious Runoff Depth>1.32"
Flow Length=671' Tc=18.1 min CN=91 Runoff=5.60 cfs 0.398 af

SubcatchmentSUB5A: SUBCATCHMENT5A Runoff Area=82,121 sf 0.00% Impervious Runoff Depth>0.58"
Flow Length=1,276' Tc=25.0 min CN=78 Runoff=0.96 cfs 0.092 af

SubcatchmentSUB6: SUBCATCHMENT6 Runoff Area=20,905 sf 0.00% Impervious Runoff Depth>0.82"
Flow Length=120' Tc=15.3 min CN=83 Runoff=0.49 cfs 0.033 af

SubcatchmentSUB7: SUBCATCHMENT7 Runoff Area=45,109 sf 0.00% Impervious Runoff Depth>0.54"
Flow Length=190' Tc=18.4 min CN=77 Runoff=0.59 cfs 0.047 af

Reach DP-1: DESIGN POINT 1 Inflow=1.80 cfs 0.773 af
Outflow=1.80 cfs 0.773 af

Reach DP-2: DESIGN POINT 2 Inflow=3.70 cfs 0.183 af
Outflow=3.70 cfs 0.183 af

Reach DP-3: DESIGN POINT 3 Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond BIO-2: BIO-2 Peak Elev=837.52' Storage=444 cf Inflow=0.54 cfs 0.023 af
Primary=0.06 cfs 0.016 af Secondary=0.00 cfs 0.000 af Outflow=0.06 cfs 0.016 af

Pond BIO-3: BIO-3 Peak Elev=837.60' Storage=368 cf Inflow=0.68 cfs 0.029 af
Primary=0.65 cfs 0.023 af Secondary=0.00 cfs 0.000 af Outflow=0.65 cfs 0.023 af

Pond BIO1: BIO-1 Peak Elev=842.57' Storage=15,067 cf Inflow=11.98 cfs 0.614 af
Primary=0.82 cfs 0.285 af Secondary=0.00 cfs 0.000 af Outflow=0.82 cfs 0.285 af

Pond P-1: POND 1 Peak Elev=837.84' Storage=10,765 cf Inflow=5.72 cfs 0.683 af
Primary=0.84 cfs 0.642 af Secondary=0.00 cfs 0.000 af Outflow=0.84 cfs 0.642 af

Pond P-2: POND 2 Peak Elev=849.22' Storage=1,423 cf Inflow=0.49 cfs 0.033 af
Outflow=0.00 cfs 0.000 af

Pond P-3: POND 3 Peak Elev=862.54' Inflow=0.59 cfs 0.047 af
Outflow=0.59 cfs 0.047 af

Total Runoff Area = 15.716 ac Runoff Volume = 1.418 af Average Runoff Depth = 1.08"
98.99% Pervious = 15.557 ac 1.01% Impervious = 0.159 ac

Summary for Subcatchment SUB1: SUBCATHMENT-1

Runoff = 11.98 cfs @ 11.99 hrs, Volume= 0.614 af, Depth> 1.40"
Routed to Pond BIO1 : BIO-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Description
165,282	96	Gravel surface, HSG D
64,342	80	>75% Grass cover, Good, HSG D
229,624	92	Weighted Average
229,624		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9	100	0.0570	1.86		**Sheet Flow, Sheet Flow** Smooth surfaces n= 0.011 P2= 2.53"
0.4	102	0.0470	4.40		**Shallow Concentrated Flow, shallow concentrated, gravel lot** Paved Kv= 20.3 fps
6.3	751	0.0178	2.00		**Shallow Concentrated Flow, shallow concentrated- grass swa** Grassed Waterway Kv= 15.0 fps
7.6	953	Total			

Summary for Subcatchment SUB2: SUBCATCHMENT 2

Runoff = 0.54 cfs @ 11.91 hrs, Volume= 0.023 af, Depth> 1.05"
Routed to Pond BIO-2 : BIO-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Description
6,278	80	>75% Grass cover, Good, HSG D
5,148	96	Gravel surface, HSG D
11,426	87	Weighted Average
11,426		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.7	60	0.0330	1.35		**Sheet Flow, Sheet to swale** Smooth surfaces n= 0.011 P2= 2.53"
0.6	115	0.0522	3.43		**Shallow Concentrated Flow, swale to bio** Grassed Waterway Kv= 15.0 fps
1.3	175	Total			

Summary for Subcatchment SUB3: SUBCATCHMENT 3

Runoff = 0.68 cfs @ 11.93 hrs, Volume= 0.029 af, Depth> 1.18"
Routed to Pond BIO-3 : BIO-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Description
352	74	>75% Grass cover, Good, HSG C
2,031	96	Gravel surface, HSG C
4,877	80	>75% Grass cover, Good, HSG D
5,800	96	Gravel surface, HSG D
13,060	89	Weighted Average
13,060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9	100	0.0500	1.76		**Sheet Flow, sheet over gravel** Smooth surfaces n= 0.011 P2= 2.53"
0.2	55	0.0540	4.72		**Shallow Concentrated Flow, shallow to swale** Paved Kv= 20.3 fps
1.1	155	0.0258	2.41		**Shallow Concentrated Flow, swale to bio** Grassed Waterway Kv= 15.0 fps
2.2	310	Total			

Summary for Subcatchment SUB4: SUBCATCHMENT 4

Runoff = 3.70 cfs @ 11.99 hrs, Volume= 0.183 af, Depth> 0.77"
Routed to Reach DP-2 : DESIGN POINT 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Adj	Description
5,603	98		Unconnected roofs, HSG C
9,247	96		Gravel surface, HSG C
24,711	74		>75% Grass cover, Good, HSG C
1,329	98		Paved parking, HSG D
17,434	96		Gravel surface, HSG D
44,274	80		>75% Grass cover, Good, HSG D
21,802	77		Woods, Good, HSG D
124,400	83	82	Weighted Average, UI Adjusted
117,468			94.43% Pervious Area
6,932			5.57% Impervious Area
5,603			80.83% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1	100	0.0895	0.28		**Sheet Flow, sheet** Grass: Short n= 0.150 P2= 2.53"
0.1	13	0.0408	3.03		**Shallow Concentrated Flow, shallow--roadside** Grassed Waterway Kv= 15.0 fps
0.3	78	0.0606	5.00		**Shallow Concentrated Flow, across driveway** Paved Kv= 20.3 fps
0.5	84	0.0330	2.72		**Shallow Concentrated Flow, to edge of propoerty** Grassed Waterway Kv= 15.0 fps
7.0	275	Total			

Summary for Subcatchment SUB5: SUBCATCHMENT 5

Runoff = 5.60 cfs @ 12.10 hrs, Volume= 0.398 af, Depth> 1.32"
Routed to Pond P-1 : POND 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Description
3,078	74	>75% Grass cover, Good, HSG C
33,220	96	Gravel surface, HSG C
7,409	70	Woods, Good, HSG C
22,755	80	>75% Grass cover, Good, HSG D
79,699	96	Gravel surface, HSG D
11,780	77	Woods, Good, HSG D
157,941	91	Weighted Average
157,941		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.9	80	0.0429	0.09		**Sheet Flow, sheet from high point to swale** Woods: Light underbrush n= 0.400 P2= 2.53"
0.6	125	0.0600	3.67		**Shallow Concentrated Flow, diversion swale** Grassed Waterway Kv= 15.0 fps
0.1	80	0.0562	10.32	5.63	**Pipe Channel, culvert under access** 10.0" Round Area= 0.5 sf Perim= 2.6' r= 0.21' n= 0.012 Corrugated PP, smooth interior
2.5	386	0.0285	2.53		**Shallow Concentrated Flow, shallow in existing swale to ponc** Grassed Waterway Kv= 15.0 fps
18.1	671	Total			

Summary for Subcatchment SUB5A: SUBCATCHMENT 5A

Runoff = 0.96 cfs @ 12.21 hrs, Volume= 0.092 af, Depth> 0.58"
Routed to Reach DP-1 : DESIGN POINT 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Description
27,110	80	>75% Grass cover, Good, HSG D
55,011	77	Woods, Good, HSG D
82,121	78	Weighted Average
82,121		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.0	65	0.0605	0.10		**Sheet Flow, sheet from high point to swale** Woods: Light underbrush n= 0.400 P2= 2.53"
5.7	775	0.0232	2.28		**Shallow Concentrated Flow, diversion swale** Grassed Waterway Kv= 15.0 fps
0.6	54	0.0500	1.57		**Shallow Concentrated Flow, shallow overland to woods** Short Grass Pasture Kv= 7.0 fps
7.7	382	0.0275	0.83		**Shallow Concentrated Flow, shallow through woods to desigr** Woodland Kv= 5.0 fps
25.0	1,276	Total			

Summary for Subcatchment SUB6: SUBCATCHMENT 6

Runoff = 0.49 cfs @ 12.08 hrs, Volume= 0.033 af, Depth> 0.82"
Routed to Pond P-2 : POND 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Description
9,705	96	Gravel surface, HSG C
4,534	74	>75% Grass cover, Good, HSG C
6,666	70	Woods, Good, HSG C
20,905	83	Weighted Average
20,905		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.7	35	0.0600	0.09		**Sheet Flow, sheet flow gentle slope** Woods: Light underbrush n= 0.400 P2= 2.53"
5.5	35	0.4000	0.11		**Sheet Flow, sheet flow steep slope** Woods: Dense underbrush n= 0.800 P2= 2.53"
3.0	30	0.0470	0.17		**Sheet Flow, sheet transition from woods to grass** Grass: Short n= 0.150 P2= 2.53"
0.1	20	0.1225	2.45		**Shallow Concentrated Flow, entry to pond** Short Grass Pasture Kv= 7.0 fps
15.3	120	Total			

Summary for Subcatchment SUB7: SUBCATCHMENT 7

Runoff = 0.59 cfs @ 12.13 hrs, Volume= 0.047 af, Depth> 0.54"
Routed to Pond P-3 : POND 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-yr Rainfall=2.18"

Area (sf)	CN	Description
203	96	Gravel surface, HSG D
44,906	77	Woods, Good, HSG D
45,109	77	Weighted Average
45,109		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	100	0.0471	0.10		**Sheet Flow, sheet** Woods: Light underbrush n= 0.400 P2= 2.53"
1.3	90	0.0553	1.18		**Shallow Concentrated Flow, shallow to pond 2** Woodland Kv= 5.0 fps
18.4	190	Total			

Summary for Reach DP-1: DESIGN POINT 1

Inflow Area = 11.345 ac, 0.00% Impervious, Inflow Depth > 0.82" for 1-yr event
Inflow = 1.80 cfs @ 12.23 hrs, Volume= 0.773 af
Outflow = 1.80 cfs @ 12.23 hrs, Volume= 0.773 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-2: DESIGN POINT 2

Inflow Area = 2.856 ac, 5.57% Impervious, Inflow Depth > 0.77" for 1-yr event
Inflow = 3.70 cfs @ 11.99 hrs, Volume= 0.183 af
Outflow = 3.70 cfs @ 11.99 hrs, Volume= 0.183 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-3: DESIGN POINT 3

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth = 0.00" for 1-yr event
Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min

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

Summary for Pond BIO-2: BIO-2

Inflow Area = 0.262 ac, 0.00% Impervious, Inflow Depth > 1.05" for 1-yr event
Inflow = 0.54 cfs @ 11.91 hrs, Volume= 0.023 af
Outflow = 0.06 cfs @ 12.24 hrs, Volume= 0.016 af, Atten= 89%, Lag= 19.6 min
Primary = 0.06 cfs @ 12.24 hrs, Volume= 0.016 af
Routed to Reach DP-1 : DESIGN POINT 1
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 837.52' @ 12.24 hrs Surf.Area= 950 sf Storage= 444 cf

Plug-Flow detention time= 252.4 min calculated for 0.016 af (68% of inflow)
Center-of-Mass det. time= 145.7 min (974.3 - 828.6)

Volume	Invert	Avail.Storage	Storage Description
#1	837.00'	2,301 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
837.00	763	0	0
837.50	943	427	427
838.00	1,138	520	947
839.00	1,571	1,355	2,301

Device	Routing	Invert	Outlet Devices
#1	Secondary	838.50'	**5.0' long x 6.0' 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 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83
#2	Primary	834.33'	**15.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 834.33' / 834.10' S= 0.0092 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#3	Device 2	837.50'	**18.0" x 18.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 2	834.33'	**6.0" Round Culvert** L= 125.0' CPP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 834.33' / 834.33' S= 0.0000 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf
#5	Device 4	837.00'	**0.500 in/hr Exfiltration over Surface area**

Primary OutFlow Max=0.06 cfs @ 12.24 hrs HW=837.52' (Free Discharge)
└**2=Culvert** (Passes 0.06 cfs of 7.47 cfs potential flow)
└**3=Orifice/Grate** (Weir Controls 0.05 cfs @ 0.44 fps)
└**4=Culvert** (Passes 0.01 cfs of 0.81 cfs potential flow)
└**5=Exfiltration** (Exfiltration Controls 0.01 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=837.00' (Free Discharge)
└**1=Broad-Crested Rectangular Weir**(Controls 0.00 cfs)

Summary for Pond BIO-3: BIO-3

Inflow Area = 0.300 ac, 0.00% Impervious, Inflow Depth > 1.18" for 1-yr event
Inflow = 0.68 cfs @ 11.93 hrs, Volume= 0.029 af
Outflow = 0.65 cfs @ 11.96 hrs, Volume= 0.023 af, Atten= 4%, Lag= 2.1 min
Primary = 0.65 cfs @ 11.96 hrs, Volume= 0.023 af
Routed to Reach DP-1 : DESIGN POINT 1
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 837.60' @ 11.96 hrs Surf.Area= 739 sf Storage= 368 cf

Plug-Flow detention time= 134.8 min calculated for 0.023 af (79% of inflow)
Center-of-Mass det. time= 48.0 min (868.5 - 820.6)

Volume	Invert	Avail.Storage	Storage Description
#1	837.00'	1,844 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
837.00	482	0	0
837.50	694	294	294
838.00	911	401	695
839.00	1,387	1,149	1,844

Device	Routing	Invert	Outlet Devices
#1	Secondary	838.50'	**5.0' long x 6.0' 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 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83
#2	Primary	834.33'	**15.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 834.33' / 834.10' S= 0.0092 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#3	Device 2	837.50'	**18.0" x 18.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 2	834.33'	**6.0" Round Culvert** L= 125.0' CPP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 834.33' / 834.33' S= 0.0000 '/' Cc= 0.900

n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

#5 Device 4 837.00' **0.500 in/hr Exfiltration over Surface area**

Primary OutFlow Max=0.60 cfs @ 11.96 hrs HW=837.60' (Free Discharge)
└**2=Culvert** (Passes 0.60 cfs of 7.58 cfs potential flow)
└**3=Orifice/Grate** (Weir Controls 0.60 cfs @ 1.02 fps)
└**4=Culvert** (Passes 0.01 cfs of 0.82 cfs potential flow)
└**5=Exfiltration** (Exfiltration Controls 0.01 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=837.00' (Free Discharge)
└**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Summary for Pond BIO1: BIO-1

Inflow Area = 5.271 ac, 0.00% Impervious, Inflow Depth > 1.40" for 1-yr event
Inflow = 11.98 cfs @ 11.99 hrs, Volume= 0.614 af
Outflow = 0.82 cfs @ 12.72 hrs, Volume= 0.285 af, Atten= 93%, Lag= 43.9 min
Primary = 0.82 cfs @ 12.72 hrs, Volume= 0.285 af
Routed to Pond P-1 : POND 1
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond P-1 : POND 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 842.57' @ 12.72 hrs Surf.Area= 10,745 sf Storage= 15,067 cf

Plug-Flow detention time= 243.8 min calculated for 0.285 af (46% of inflow)
Center-of-Mass det. time= 127.9 min (937.8 - 809.9)

Volume	Invert	Avail.Storage	Storage Description
#1	841.00'	31,986 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
841.00	8,516	0	0
842.00	9,902	9,209	9,209
843.00	11,388	10,645	19,854
844.00	12,876	12,132	31,986

Device	Routing	Invert	Outlet Devices
#1	Secondary	843.50'	**40.0' long x 6.0' 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 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83
#2	Primary	839.33'	**15.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 839.33' / 839.10' S= 0.0092 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#3	Device 2	842.50'	**18.0" x 18.0" Horiz. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	839.33'	**6.0" Round Culvert**

L= 125.0' CPP, mitered to conform to fill, Ke= 0.700
Inlet / Outlet Invert= 839.33' / 839.33' S= 0.0000 '/' Cc= 0.900
n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

#5	Device 4	841.00'	**0.500 in/hr Exfiltration over Surface area**

Primary OutFlow Max=0.81 cfs @ 12.72 hrs HW=842.57' (Free Discharge)
└**2=Culvert** (Passes 0.81 cfs of 7.54 cfs potential flow)
  └**3=Orifice/Grate** (Weir Controls 0.69 cfs @ 0.85 fps)
  └**4=Culvert** (Passes 0.12 cfs of 0.82 cfs potential flow)
    └**5=Exfiltration** (Exfiltration Controls 0.12 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=841.00' (Free Discharge)
└**1=Broad-Crested Rectangular Weir**(Controls 0.00 cfs)

Summary for Pond P-1: POND 1

Inflow Area = 8.897 ac, 0.00% Impervious, Inflow Depth > 0.92" for 1-yr event
Inflow = 5.72 cfs @ 12.10 hrs, Volume= 0.683 af
Outflow = 0.84 cfs @ 13.74 hrs, Volume= 0.642 af, Atten= 85%, Lag= 98.0 min
Primary = 0.84 cfs @ 13.74 hrs, Volume= 0.642 af
Routed to Reach DP-1 : DESIGN POINT 1
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 837.84' @ 13.74 hrs Surf.Area= 7,444 sf Storage= 10,765 cf

Plug-Flow detention time= 165.6 min calculated for 0.641 af (94% of inflow)
Center-of-Mass det. time= 134.1 min (1,005.1 - 871.0)

Volume	Invert	Avail.Storage	Storage Description
#1	836.00'	57,942 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
836.00	4,291	0	0
837.00	5,960	5,126	5,126
838.00	7,724	6,842	11,968
839.00	9,525	8,625	20,592
840.00	11,443	10,484	31,076
841.00	13,427	12,435	43,511
842.00	15,435	14,431	57,942

Device	Routing	Invert	Outlet Devices
#1	Primary	836.00'	**24.0" Round Culvert** L= 100.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 836.00' / 835.00' S= 0.0100 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf
#2	Device 1	836.00'	**5.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	839.50'	**10.0" W x 5.0" H Vert. Orifice/Grate X 0.00** C= 0.600 Limited to weir flow at low heads

#4	Device 1	839.00'	**18.0" x 18.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#5	Secondary	841.50'	**15.0' long x 40.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63

Primary OutFlow Max=0.84 cfs @ 13.74 hrs HW=837.84' (Free Discharge)
↑—**1=Culvert** (Passes 0.84 cfs of 11.04 cfs potential flow)
↑—**2=Orifice/Grate** (Orifice Controls 0.84 cfs @ 6.15 fps)
—**3=Orifice/Grate** (Controls 0.00 cfs)
—**4=Orifice/Grate** (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=836.00' (Free Discharge)
↑—**5=Broad-Crested Rectangular Weir**(Controls 0.00 cfs)

Summary for Pond P-2: POND 2

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth > 0.82" for 1-yr event
Inflow = 0.49 cfs @ 12.08 hrs, Volume= 0.033 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach DP-3 : DESIGN POINT 3

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 849.22' @ 24.00 hrs Surf.Area= 6,563 sf Storage= 1,423 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	849.00'	6,665 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
849.00	6,484	0	0
850.00	6,846	6,665	6,665

Device	Routing	Invert	Outlet Devices
#1	Primary	849.50'	**4.0' long + 0.1 '/' 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 @ 0.00 hrs HW=849.00' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir**(Controls 0.00 cfs)

Summary for Pond P-3: POND 3

Inflow Area = 1.036 ac, 0.00% Impervious, Inflow Depth > 0.54" for 1-yr event
Inflow = 0.59 cfs @ 12.13 hrs, Volume= 0.047 af
Outflow = 0.59 cfs @ 12.13 hrs, Volume= 0.047 af, Atten= 0%, Lag= 0.0 min
Primary = 0.59 cfs @ 12.13 hrs, Volume= 0.047 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 862.54' @ 12.13 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	862.50'	**25.0' long + 0.1 '/' 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=0.58 cfs @ 12.13 hrs HW=862.54' (Free Discharge)
↑**1=Broad-Crested Rectangular Weir**(Weir Controls 0.58 cfs @ 0.52 fps)

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentSUB1: SUBCATHMENT-1 Runoff Area=229,624 sf 0.00% Impervious Runoff Depth>2.73"
Flow Length=953' Tc=7.6 min CN=92 Runoff=22.56 cfs 1.199 af

SubcatchmentSUB2: SUBCATCHMENT2 Runoff Area=11,426 sf 0.00% Impervious Runoff Depth>2.27"
Flow Length=175' Tc=1.3 min CN=87 Runoff=1.14 cfs 0.050 af

SubcatchmentSUB3: SUBCATCHMENT3 Runoff Area=13,060 sf 0.00% Impervious Runoff Depth>2.45"
Flow Length=310' Tc=2.2 min CN=89 Runoff=1.33 cfs 0.061 af

SubcatchmentSUB4: SUBCATCHMENT4 Runoff Area=124,400 sf 5.57% Impervious Runoff Depth>1.86"
Flow Length=275' Tc=7.0 min UI Adjusted CN=82 Runoff=8.99 cfs 0.443 af

SubcatchmentSUB5: SUBCATCHMENT5 Runoff Area=157,941 sf 0.00% Impervious Runoff Depth>2.63"
Flow Length=671' Tc=18.1 min CN=91 Runoff=10.93 cfs 0.794 af

SubcatchmentSUB5A: SUBCATCHMENT5A Runoff Area=82,121 sf 0.00% Impervious Runoff Depth>1.56"
Flow Length=1,276' Tc=25.0 min CN=78 Runoff=2.84 cfs 0.246 af

SubcatchmentSUB6: SUBCATCHMENT6 Runoff Area=20,905 sf 0.00% Impervious Runoff Depth>1.94"
Flow Length=120' Tc=15.3 min CN=83 Runoff=1.18 cfs 0.077 af

SubcatchmentSUB7: SUBCATCHMENT7 Runoff Area=45,109 sf 0.00% Impervious Runoff Depth>1.50"
Flow Length=190' Tc=18.4 min CN=77 Runoff=1.78 cfs 0.129 af

Reach DP-1: DESIGN POINT 1 Inflow=11.24 cfs 1.833 af
Outflow=11.24 cfs 1.833 af

Reach DP-2: DESIGN POINT 2 Inflow=8.99 cfs 0.443 af
Outflow=8.99 cfs 0.443 af

Reach DP-3: DESIGN POINT 3 Inflow=0.01 cfs 0.001 af
Outflow=0.01 cfs 0.001 af

Pond BIO-2: BIO-2 Peak Elev=837.64' Storage=565 cf Inflow=1.14 cfs 0.050 af
Primary=1.06 cfs 0.040 af Secondary=0.00 cfs 0.000 af Outflow=1.06 cfs 0.040 af

Pond BIO-3: BIO-3 Peak Elev=837.66' Storage=414 cf Inflow=1.33 cfs 0.061 af
Primary=1.32 cfs 0.054 af Secondary=0.00 cfs 0.000 af Outflow=1.32 cfs 0.054 af

Pond BIO1: BIO-1 Peak Elev=843.22' Storage=22,435 cf Inflow=22.56 cfs 1.199 af
Primary=8.43 cfs 0.866 af Secondary=0.00 cfs 0.000 af Outflow=8.43 cfs 0.866 af

Pond P-1: POND 1 Peak Elev=839.58' Storage=26,402 cf Inflow=19.36 cfs 1.660 af
Primary=9.36 cfs 1.493 af Secondary=0.00 cfs 0.000 af Outflow=9.36 cfs 1.493 af

Pond P-2: POND 2 Peak Elev=849.51' Storage=3,346 cf Inflow=1.18 cfs 0.077 af
Outflow=0.01 cfs 0.001 af

Pond P-3: POND 3 Peak Elev=862.59' Inflow=1.78 cfs 0.129 af
Outflow=1.78 cfs 0.129 af

Total Runoff Area = 15.716 ac Runoff Volume = 2.999 af Average Runoff Depth = 2.29"
98.99% Pervious = 15.557 ac 1.01% Impervious = 0.159 ac

Summary for Subcatchment SUB1: SUBCATHMENT-1

Runoff = 22.56 cfs @ 11.99 hrs, Volume= 1.199 af, Depth> 2.73"
Routed to Pond BIO1 : BIO-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Description
165,282	96	Gravel surface, HSG D
64,342	80	>75% Grass cover, Good, HSG D
229,624	92	Weighted Average
229,624		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9	100	0.0570	1.86		**Sheet Flow, Sheet Flow** Smooth surfaces n= 0.011 P2= 2.53"
0.4	102	0.0470	4.40		**Shallow Concentrated Flow, shallow concentrated, gravel lot** Paved Kv= 20.3 fps
6.3	751	0.0178	2.00		**Shallow Concentrated Flow, shallow concentrated- grass swa** Grassed Waterway Kv= 15.0 fps
7.6	953	Total			

Summary for Subcatchment SUB2: SUBCATCHMENT 2

Runoff = 1.14 cfs @ 11.90 hrs, Volume= 0.050 af, Depth> 2.27"
Routed to Pond BIO-2 : BIO-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Description
6,278	80	>75% Grass cover, Good, HSG D
5,148	96	Gravel surface, HSG D
11,426	87	Weighted Average
11,426		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.7	60	0.0330	1.35		**Sheet Flow, Sheet to swale** Smooth surfaces n= 0.011 P2= 2.53"
0.6	115	0.0522	3.43		**Shallow Concentrated Flow, swale to bio** Grassed Waterway Kv= 15.0 fps
1.3	175	Total			

Summary for Subcatchment SUB3: SUBCATCHMENT 3

Runoff = 1.33 cfs @ 11.92 hrs, Volume= 0.061 af, Depth> 2.45"
Routed to Pond BIO-3 : BIO-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Description
352	74	>75% Grass cover, Good, HSG C
2,031	96	Gravel surface, HSG C
4,877	80	>75% Grass cover, Good, HSG D
5,800	96	Gravel surface, HSG D
13,060	89	Weighted Average
13,060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9	100	0.0500	1.76		**Sheet Flow, sheet over gravel** Smooth surfaces n= 0.011 P2= 2.53"
0.2	55	0.0540	4.72		**Shallow Concentrated Flow, shallow to swale** Paved Kv= 20.3 fps
1.1	155	0.0258	2.41		**Shallow Concentrated Flow, swale to bio** Grassed Waterway Kv= 15.0 fps
2.2	310	Total			

Summary for Subcatchment SUB4: SUBCATCHMENT 4

Runoff = 8.99 cfs @ 11.98 hrs, Volume= 0.443 af, Depth> 1.86"
Routed to Reach DP-2 : DESIGN POINT 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Adj	Description
5,603	98		Unconnected roofs, HSG C
9,247	96		Gravel surface, HSG C
24,711	74		>75% Grass cover, Good, HSG C
1,329	98		Paved parking, HSG D
17,434	96		Gravel surface, HSG D
44,274	80		>75% Grass cover, Good, HSG D
21,802	77		Woods, Good, HSG D
124,400	83	82	Weighted Average, UI Adjusted
117,468			94.43% Pervious Area
6,932			5.57% Impervious Area
5,603			80.83% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1	100	0.0895	0.28		**Sheet Flow, sheet** Grass: Short n= 0.150 P2= 2.53"
0.1	13	0.0408	3.03		**Shallow Concentrated Flow, shallow--roadside** Grassed Waterway Kv= 15.0 fps
0.3	78	0.0606	5.00		**Shallow Concentrated Flow, across driveway** Paved Kv= 20.3 fps
0.5	84	0.0330	2.72		**Shallow Concentrated Flow, to edge of propoerty** Grassed Waterway Kv= 15.0 fps
7.0	275	Total			

Summary for Subcatchment SUB5: SUBCATCHMENT 5

Runoff = 10.93 cfs @ 12.10 hrs, Volume= 0.794 af, Depth> 2.63"
Routed to Pond P-1 : POND 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Description
3,078	74	>75% Grass cover, Good, HSG C
33,220	96	Gravel surface, HSG C
7,409	70	Woods, Good, HSG C
22,755	80	>75% Grass cover, Good, HSG D
79,699	96	Gravel surface, HSG D
11,780	77	Woods, Good, HSG D
157,941	91	Weighted Average
157,941		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.9	80	0.0429	0.09		**Sheet Flow, sheet from high point to swale** Woods: Light underbrush n= 0.400 P2= 2.53"
0.6	125	0.0600	3.67		**Shallow Concentrated Flow, diversion swale** Grassed Waterway Kv= 15.0 fps
0.1	80	0.0562	10.32	5.63	**Pipe Channel, culvert under access** 10.0" Round Area= 0.5 sf Perim= 2.6' r= 0.21' n= 0.012 Corrugated PP, smooth interior
2.5	386	0.0285	2.53		**Shallow Concentrated Flow, shallow in existing swale to ponc** Grassed Waterway Kv= 15.0 fps
18.1	671	Total			

Summary for Subcatchment SUB5A: SUBCATCHMENT 5A

Runoff = 2.84 cfs @ 12.19 hrs, Volume= 0.246 af, Depth> 1.56"
Routed to Reach DP-1 : DESIGN POINT 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Description
27,110	80	>75% Grass cover, Good, HSG D
55,011	77	Woods, Good, HSG D
82,121	78	Weighted Average
82,121		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.0	65	0.0605	0.10		**Sheet Flow, sheet from high point to swale** Woods: Light underbrush n= 0.400 P2= 2.53"
5.7	775	0.0232	2.28		**Shallow Concentrated Flow, diversion swale** Grassed Waterway Kv= 15.0 fps
0.6	54	0.0500	1.57		**Shallow Concentrated Flow, shallow overland to woods** Short Grass Pasture Kv= 7.0 fps
7.7	382	0.0275	0.83		**Shallow Concentrated Flow, shallow through woods to desigr** Woodland Kv= 5.0 fps
25.0	1,276	Total			

Summary for Subcatchment SUB6: SUBCATCHMENT 6

Runoff = 1.18 cfs @ 12.08 hrs, Volume= 0.077 af, Depth> 1.94"
Routed to Pond P-2 : POND 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Description
9,705	96	Gravel surface, HSG C
4,534	74	>75% Grass cover, Good, HSG C
6,666	70	Woods, Good, HSG C
20,905	83	Weighted Average
20,905		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.7	35	0.0600	0.09		**Sheet Flow, sheet flow gentle slope** Woods: Light underbrush n= 0.400 P2= 2.53"
5.5	35	0.4000	0.11		**Sheet Flow, sheet flow steep slope** Woods: Dense underbrush n= 0.800 P2= 2.53"
3.0	30	0.0470	0.17		**Sheet Flow, sheet transition from woods to grass** Grass: Short n= 0.150 P2= 2.53"
0.1	20	0.1225	2.45		**Shallow Concentrated Flow, entry to pond** Short Grass Pasture Kv= 7.0 fps
15.3	120	Total			

Summary for Subcatchment SUB7: SUBCATCHMENT 7

Runoff = 1.78 cfs @ 12.12 hrs, Volume= 0.129 af, Depth> 1.50"
Routed to Pond P-3 : POND 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-yr Rainfall=3.60"

Area (sf)	CN	Description
203	96	Gravel surface, HSG D
44,906	77	Woods, Good, HSG D
45,109	77	Weighted Average
45,109		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	100	0.0471	0.10		**Sheet Flow, sheet** Woods: Light underbrush n= 0.400 P2= 2.53"
1.3	90	0.0553	1.18		**Shallow Concentrated Flow, shallow to pond 2** Woodland Kv= 5.0 fps
18.4	190	Total			

Summary for Reach DP-1: DESIGN POINT 1

Inflow Area = 11.345 ac, 0.00% Impervious, Inflow Depth > 1.94" for 10-yr event
Inflow = 11.24 cfs @ 12.40 hrs, Volume= 1.833 af
Outflow = 11.24 cfs @ 12.40 hrs, Volume= 1.833 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-2: DESIGN POINT 2

Inflow Area = 2.856 ac, 5.57% Impervious, Inflow Depth > 1.86" for 10-yr event
Inflow = 8.99 cfs @ 11.98 hrs, Volume= 0.443 af
Outflow = 8.99 cfs @ 11.98 hrs, Volume= 0.443 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-3: DESIGN POINT 3

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth > 0.01" for 10-yr event
Inflow = 0.01 cfs @ 24.00 hrs, Volume= 0.001 af
Outflow = 0.01 cfs @ 24.00 hrs, Volume= 0.001 af, Atten= 0%, Lag= 0.0 min

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

Summary for Pond BIO-2: BIO-2

Inflow Area = 0.262 ac, 0.00% Impervious, Inflow Depth > 2.27" for 10-yr event
Inflow = 1.14 cfs @ 11.90 hrs, Volume= 0.050 af
Outflow = 1.06 cfs @ 11.94 hrs, Volume= 0.040 af, Atten= 7%, Lag= 1.8 min
Primary = 1.06 cfs @ 11.94 hrs, Volume= 0.040 af
Routed to Reach DP-1 : DESIGN POINT 1
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 837.64' @ 11.94 hrs Surf.Area= 999 sf Storage= 565 cf

Plug-Flow detention time= 114.6 min calculated for 0.040 af (81% of inflow)
Center-of-Mass det. time= 35.2 min (841.7 - 806.5)

Volume	Invert	Avail.Storage	Storage Description
#1	837.00'	2,301 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
837.00	763	0	0
837.50	943	427	427
838.00	1,138	520	947
839.00	1,571	1,355	2,301

Device	Routing	Invert	Outlet Devices
#1	Secondary	838.50'	**5.0' long x 6.0' 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 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83
#2	Primary	834.33'	**15.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 834.33' / 834.10' S= 0.0092 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#3	Device 2	837.50'	**18.0" x 18.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 2	834.33'	**6.0" Round Culvert** L= 125.0' CPP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 834.33' / 834.33' S= 0.0000 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf
#5	Device 4	837.00'	**0.500 in/hr Exfiltration over Surface area**

Primary OutFlow Max=1.02 cfs @ 11.94 hrs HW=837.64' (Free Discharge)
└**2=Culvert** (Passes 1.02 cfs of 7.64 cfs potential flow)
  ├**3=Orifice/Grate** (Weir Controls 1.00 cfs @ 1.21 fps)
  └**4=Culvert** (Passes 0.01 cfs of 0.83 cfs potential flow)
    └**5=Exfiltration** (Exfiltration Controls 0.01 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=837.00' (Free Discharge)
└**1=Broad-Crested Rectangular Weir**(Controls 0.00 cfs)

Summary for Pond BIO-3: BIO-3

Inflow Area = 0.300 ac, 0.00% Impervious, Inflow Depth > 2.45" for 10-yr event
Inflow = 1.33 cfs @ 11.92 hrs, Volume= 0.061 af
Outflow = 1.32 cfs @ 11.94 hrs, Volume= 0.054 af, Atten= 1%, Lag= 1.0 min
Primary = 1.32 cfs @ 11.94 hrs, Volume= 0.054 af
Routed to Reach DP-1 : DESIGN POINT 1
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 837.66' @ 11.94 hrs Surf.Area= 766 sf Storage= 414 cf

Plug-Flow detention time= 75.9 min calculated for 0.054 af (89% of inflow)
Center-of-Mass det. time= 20.9 min (820.6 - 799.7)

Volume	Invert	Avail.Storage	Storage Description
#1	837.00'	1,844 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
837.00	482	0	0
837.50	694	294	294
838.00	911	401	695
839.00	1,387	1,149	1,844

Device	Routing	Invert	Outlet Devices
#1	Secondary	838.50'	**5.0' long x 6.0' 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 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83
#2	Primary	834.33'	**15.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 834.33' / 834.10' S= 0.0092 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#3	Device 2	837.50'	**18.0" x 18.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 2	834.33'	**6.0" Round Culvert** L= 125.0' CPP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 834.33' / 834.33' S= 0.0000 '/' Cc= 0.900

n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

#5 Device 4 837.00' **0.500 in/hr Exfiltration over Surface area**

Primary OutFlow Max=1.27 cfs @ 11.94 hrs HW=837.66' (Free Discharge)
└**2=Culvert** (Passes 1.27 cfs of 7.67 cfs potential flow)
└**3=Orifice/Grate** (Weir Controls 1.26 cfs @ 1.31 fps)
└**4=Culvert** (Passes 0.01 cfs of 0.83 cfs potential flow)
└**5=Exfiltration** (Exfiltration Controls 0.01 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=837.00' (Free Discharge)
└**1=Broad-Crested Rectangular Weir**(Controls 0.00 cfs)

Summary for Pond BIO1: BIO-1

Inflow Area = 5.271 ac, 0.00% Impervious, Inflow Depth > 2.73" for 10-yr event
Inflow = 22.56 cfs @ 11.99 hrs, Volume= 1.199 af
Outflow = 8.43 cfs @ 12.12 hrs, Volume= 0.866 af, Atten= 63%, Lag= 8.1 min
Primary = 8.43 cfs @ 12.12 hrs, Volume= 0.866 af
Routed to Pond P-1 : POND 1
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond P-1 : POND 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 843.22' @ 12.12 hrs Surf.Area= 11,720 sf Storage= 22,435 cf

Plug-Flow detention time= 147.9 min calculated for 0.866 af (72% of inflow)
Center-of-Mass det. time= 55.3 min (846.3 - 791.0)

Volume	Invert	Avail.Storage	Storage Description
#1	841.00'	31,986 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
841.00	8,516	0	0
842.00	9,902	9,209	9,209
843.00	11,388	10,645	19,854
844.00	12,876	12,132	31,986

Device	Routing	Invert	Outlet Devices
#1	Secondary	843.50'	**40.0' long x 6.0' 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 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83
#2	Primary	839.33'	**15.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 839.33' / 839.10' S= 0.0092 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#3	Device 2	842.50'	**18.0" x 18.0" Horiz. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	839.33'	**6.0" Round Culvert**

L= 125.0' CPP, mitered to conform to fill, Ke= 0.700
Inlet / Outlet Invert= 839.33' / 839.33' S= 0.0000 '/' Cc= 0.900
n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

#5	Device 4	841.00'	**0.500 in/hr Exfiltration over Surface area**

Primary OutFlow Max=8.42 cfs @ 12.12 hrs HW=843.21' (Free Discharge)
└**2=Culvert** (Inlet Controls 8.42 cfs @ 6.86 fps)
  ├**3=Orifice/Grate** (Passes < 18.30 cfs potential flow)
  └**4=Culvert** (Passes < 0.91 cfs potential flow)
    └**5=Exfiltration** (Passes < 0.14 cfs potential flow)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=841.00' (Free Discharge)
└**1=Broad-Crested Rectangular Weir**(Controls 0.00 cfs)

Summary for Pond P-1: POND 1

Inflow Area = 8.897 ac, 0.00% Impervious, Inflow Depth > 2.24" for 10-yr event
Inflow = 19.36 cfs @ 12.10 hrs, Volume= 1.660 af
Outflow = 9.36 cfs @ 12.43 hrs, Volume= 1.493 af, Atten= 52%, Lag= 19.9 min
Primary = 9.36 cfs @ 12.43 hrs, Volume= 1.493 af
Routed to Reach DP-1 : DESIGN POINT 1
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 839.58' @ 12.43 hrs Surf.Area= 10,631 sf Storage= 26,402 cf

Plug-Flow detention time= 169.1 min calculated for 1.490 af (90% of inflow)
Center-of-Mass det. time= 118.7 min (944.7 - 826.0)

Volume	Invert	Avail.Storage	Storage Description
#1	836.00'	57,942 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
836.00	4,291	0	0
837.00	5,960	5,126	5,126
838.00	7,724	6,842	11,968
839.00	9,525	8,625	20,592
840.00	11,443	10,484	31,076
841.00	13,427	12,435	43,511
842.00	15,435	14,431	57,942

Device	Routing	Invert	Outlet Devices
#1	Primary	836.00'	**24.0" Round Culvert** L= 100.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 836.00' / 835.00' S= 0.0100 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf
#2	Device 1	836.00'	**5.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	839.50'	**10.0" W x 5.0" H Vert. Orifice/Grate X 0.00** C= 0.600 Limited to weir flow at low heads

#4	Device 1	839.00'	**18.0" x 18.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#5	Secondary	841.50'	**15.0' long x 40.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63

Primary OutFlow Max=9.40 cfs @ 12.43 hrs HW=839.57' (Free Discharge)
↑—**1=Culvert** (Passes 9.40 cfs of 19.15 cfs potential flow)
↑—**2=Orifice/Grate** (Orifice Controls 1.20 cfs @ 8.83 fps)
—**3=Orifice/Grate** (Controls 0.00 cfs)
—**4=Orifice/Grate** (Orifice Controls 8.20 cfs @ 3.64 fps)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=836.00' (Free Discharge)
↑—**5=Broad-Crested Rectangular Weir**(Controls 0.00 cfs)

Summary for Pond P-2: POND 2

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth > 1.94" for 10-yr event
Inflow = 1.18 cfs @ 12.08 hrs, Volume= 0.077 af
Outflow = 0.01 cfs @ 24.00 hrs, Volume= 0.001 af, Atten= 99%, Lag= 715.5 min
Primary = 0.01 cfs @ 24.00 hrs, Volume= 0.001 af
Routed to Reach DP-3 : DESIGN POINT 3

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 849.51' @ 24.00 hrs Surf.Area= 6,668 sf Storage= 3,346 cf

Plug-Flow detention time= 858.1 min calculated for 0.001 af (1% of inflow)
Center-of-Mass det. time= 580.9 min (1,411.6 - 830.7)

Volume	Invert	Avail.Storage	Storage Description
#1	849.00'	6,665 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
849.00	6,484	0	0
850.00	6,846	6,665	6,665

Device	Routing	Invert	Outlet Devices
#1	Primary	849.50'	**4.0' long + 0.1 '/' 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 @ 24.00 hrs HW=849.51' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir**(Weir Controls 0.01 cfs @ 0.23 fps)

Summary for Pond P-3: POND 3

Inflow Area = 1.036 ac, 0.00% Impervious, Inflow Depth > 1.50" for 10-yr event
Inflow = 1.78 cfs @ 12.12 hrs, Volume= 0.129 af
Outflow = 1.78 cfs @ 12.12 hrs, Volume= 0.129 af, Atten= 0%, Lag= 0.0 min
Primary = 1.78 cfs @ 12.12 hrs, Volume= 0.129 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 862.59' @ 12.12 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	862.50'	**25.0' long + 0.1 '/' 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=1.76 cfs @ 12.12 hrs HW=862.59' (Free Discharge)
↑**1=Broad-Crested Rectangular Weir** (Weir Controls 1.76 cfs @ 0.76 fps)

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentSUB1: SUBCATHMENT-1 Runoff Area=229,624 sf 0.00% Impervious Runoff Depth>6.15"
Flow Length=953' Tc=7.6 min CN=92 Runoff=48.23 cfs 2.700 af

SubcatchmentSUB2: SUBCATCHMENT2 Runoff Area=11,426 sf 0.00% Impervious Runoff Depth>5.58"
Flow Length=175' Tc=1.3 min CN=87 Runoff=2.65 cfs 0.122 af

SubcatchmentSUB3: SUBCATCHMENT3 Runoff Area=13,060 sf 0.00% Impervious Runoff Depth>5.80"
Flow Length=310' Tc=2.2 min CN=89 Runoff=2.99 cfs 0.145 af

SubcatchmentSUB4: SUBCATCHMENT4 Runoff Area=124,400 sf 5.57% Impervious Runoff Depth>5.00"
Flow Length=275' Tc=7.0 min UI Adjusted CN=82 Runoff=23.21 cfs 1.191 af

SubcatchmentSUB5: SUBCATCHMENT5 Runoff Area=157,941 sf 0.00% Impervious Runoff Depth>6.02"
Flow Length=671' Tc=18.1 min CN=91 Runoff=24.00 cfs 1.818 af

SubcatchmentSUB5A: SUBCATCHMENT5A Runoff Area=82,121 sf 0.00% Impervious Runoff Depth>4.54"
Flow Length=1,276' Tc=25.0 min CN=78 Runoff=8.33 cfs 0.713 af

SubcatchmentSUB6: SUBCATCHMENT6 Runoff Area=20,905 sf 0.00% Impervious Runoff Depth>5.11"
Flow Length=120' Tc=15.3 min CN=83 Runoff=3.05 cfs 0.204 af

SubcatchmentSUB7: SUBCATCHMENT7 Runoff Area=45,109 sf 0.00% Impervious Runoff Depth>4.44"
Flow Length=190' Tc=18.4 min CN=77 Runoff=5.33 cfs 0.383 af

Reach DP-1: DESIGN POINT 1 Inflow=41.68 cfs 4.775 af
Outflow=41.68 cfs 4.775 af

Reach DP-2: DESIGN POINT 2 Inflow=23.21 cfs 1.191 af
Outflow=23.21 cfs 1.191 af

Reach DP-3: DESIGN POINT 3 Inflow=0.87 cfs 0.125 af
Outflow=0.87 cfs 0.125 af

Pond BIO-2: BIO-2 Peak Elev=837.75' Storage=676 cf Inflow=2.65 cfs 0.122 af
Primary=2.49 cfs 0.112 af Secondary=0.00 cfs 0.000 af Outflow=2.49 cfs 0.112 af

Pond BIO-3: BIO-3 Peak Elev=837.78' Storage=509 cf Inflow=2.99 cfs 0.145 af
Primary=2.98 cfs 0.138 af Secondary=0.00 cfs 0.000 af Outflow=2.98 cfs 0.138 af

Pond BIO1: BIO-1 Peak Elev=843.99' Storage=31,898 cf Inflow=48.23 cfs 2.700 af
Primary=9.37 cfs 1.829 af Secondary=35.82 cfs 0.532 af Outflow=45.20 cfs 2.362 af

Pond P-1: POND 1 Peak Elev=841.96' Storage=57,300 cf Inflow=65.42 cfs 4.180 af
Primary=20.21 cfs 3.595 af Secondary=12.58 cfs 0.216 af Outflow=32.78 cfs 3.811 af

Pond P-2: POND 2 Peak Elev=849.70' Storage=4,605 cf Inflow=3.05 cfs 0.204 af
Outflow=0.87 cfs 0.125 af

Pond P-3: POND 3 Peak Elev=862.69' Inflow=5.33 cfs 0.383 af
Outflow=5.33 cfs 0.383 af

Total Runoff Area = 15.716 ac Runoff Volume = 7.276 af Average Runoff Depth = 5.56"
98.99% Pervious = 15.557 ac 1.01% Impervious = 0.159 ac

Summary for Subcatchment SUB1: SUBCATHMENT-1

Runoff = 48.23 cfs @ 11.98 hrs, Volume= 2.700 af, Depth> 6.15"
Routed to Pond BIO1 : BIO-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
165,282	96	Gravel surface, HSG D
64,342	80	>75% Grass cover, Good, HSG D
229,624	92	Weighted Average
229,624		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9	100	0.0570	1.86		**Sheet Flow, Sheet Flow** Smooth surfaces n= 0.011 P2= 2.53"
0.4	102	0.0470	4.40		**Shallow Concentrated Flow, shallow concentrated, gravel lot** Paved Kv= 20.3 fps
6.3	751	0.0178	2.00		**Shallow Concentrated Flow, shallow concentrated- grass swa** Grassed Waterway Kv= 15.0 fps
7.6	953	Total			

Summary for Subcatchment SUB2: SUBCATCHMENT 2

Runoff = 2.65 cfs @ 11.90 hrs, Volume= 0.122 af, Depth> 5.58"
Routed to Pond BIO-2 : BIO-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
6,278	80	>75% Grass cover, Good, HSG D
5,148	96	Gravel surface, HSG D
11,426	87	Weighted Average
11,426		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.7	60	0.0330	1.35		**Sheet Flow, Sheet to swale** Smooth surfaces n= 0.011 P2= 2.53"
0.6	115	0.0522	3.43		**Shallow Concentrated Flow, swale to bio** Grassed Waterway Kv= 15.0 fps
1.3	175	Total			

Summary for Subcatchment SUB3: SUBCATCHMENT 3

Runoff = 2.99 cfs @ 11.92 hrs, Volume= 0.145 af, Depth> 5.80"
Routed to Pond BIO-3 : BIO-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
352	74	>75% Grass cover, Good, HSG C
2,031	96	Gravel surface, HSG C
4,877	80	>75% Grass cover, Good, HSG D
5,800	96	Gravel surface, HSG D
13,060	89	Weighted Average
13,060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9	100	0.0500	1.76		**Sheet Flow, sheet over gravel** Smooth surfaces n= 0.011 P2= 2.53"
0.2	55	0.0540	4.72		**Shallow Concentrated Flow, shallow to swale** Paved Kv= 20.3 fps
1.1	155	0.0258	2.41		**Shallow Concentrated Flow, swale to bio** Grassed Waterway Kv= 15.0 fps
2.2	310	Total			

Summary for Subcatchment SUB4: SUBCATCHMENT 4

Runoff = 23.21 cfs @ 11.98 hrs, Volume= 1.191 af, Depth> 5.00"
Routed to Reach DP-2 : DESIGN POINT 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Adj	Description
5,603	98		Unconnected roofs, HSG C
9,247	96		Gravel surface, HSG C
24,711	74		>75% Grass cover, Good, HSG C
1,329	98		Paved parking, HSG D
17,434	96		Gravel surface, HSG D
44,274	80		>75% Grass cover, Good, HSG D
21,802	77		Woods, Good, HSG D
124,400	83	82	Weighted Average, UI Adjusted
117,468			94.43% Pervious Area
6,932			5.57% Impervious Area
5,603			80.83% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1	100	0.0895	0.28		**Sheet Flow, sheet** Grass: Short n= 0.150 P2= 2.53"
0.1	13	0.0408	3.03		**Shallow Concentrated Flow, shallow--roadside** Grassed Waterway Kv= 15.0 fps
0.3	78	0.0606	5.00		**Shallow Concentrated Flow, across driveway** Paved Kv= 20.3 fps
0.5	84	0.0330	2.72		**Shallow Concentrated Flow, to edge of propoerty** Grassed Waterway Kv= 15.0 fps
7.0	275	Total			

Summary for Subcatchment SUB5: SUBCATCHMENT 5

Runoff = 24.00 cfs @ 12.10 hrs, Volume= 1.818 af, Depth> 6.02"
Routed to Pond P-1 : POND 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
3,078	74	>75% Grass cover, Good, HSG C
33,220	96	Gravel surface, HSG C
7,409	70	Woods, Good, HSG C
22,755	80	>75% Grass cover, Good, HSG D
79,699	96	Gravel surface, HSG D
11,780	77	Woods, Good, HSG D
157,941	91	Weighted Average
157,941		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.9	80	0.0429	0.09		**Sheet Flow, sheet from high point to swale** Woods: Light underbrush n= 0.400 P2= 2.53"
0.6	125	0.0600	3.67		**Shallow Concentrated Flow, diversion swale** Grassed Waterway Kv= 15.0 fps
0.1	80	0.0562	10.32	5.63	**Pipe Channel, culvert under access** 10.0" Round Area= 0.5 sf Perim= 2.6' r= 0.21' n= 0.012 Corrugated PP, smooth interior
2.5	386	0.0285	2.53		**Shallow Concentrated Flow, shallow in existing swale to ponc** Grassed Waterway Kv= 15.0 fps
18.1	671	Total			

Summary for Subcatchment SUB5A: SUBCATCHMENT 5A

Runoff = 8.33 cfs @ 12.18 hrs, Volume= 0.713 af, Depth> 4.54"
Routed to Reach DP-1 : DESIGN POINT 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
27,110	80	>75% Grass cover, Good, HSG D
55,011	77	Woods, Good, HSG D
82,121	78	Weighted Average
82,121		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.0	65	0.0605	0.10		**Sheet Flow, sheet from high point to swale** Woods: Light underbrush n= 0.400 P2= 2.53"
5.7	775	0.0232	2.28		**Shallow Concentrated Flow, diversion swale** Grassed Waterway Kv= 15.0 fps
0.6	54	0.0500	1.57		**Shallow Concentrated Flow, shallow overland to woods** Short Grass Pasture Kv= 7.0 fps
7.7	382	0.0275	0.83		**Shallow Concentrated Flow, shallow through woods to desigr** Woodland Kv= 5.0 fps
25.0	1,276	Total			

Summary for Subcatchment SUB6: SUBCATCHMENT 6

Runoff = 3.05 cfs @ 12.07 hrs, Volume= 0.204 af, Depth> 5.11"
Routed to Pond P-2 : POND 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
9,705	96	Gravel surface, HSG C
4,534	74	>75% Grass cover, Good, HSG C
6,666	70	Woods, Good, HSG C
20,905	83	Weighted Average
20,905		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.7	35	0.0600	0.09		**Sheet Flow, sheet flow gentle slope** Woods: Light underbrush n= 0.400 P2= 2.53"
5.5	35	0.4000	0.11		**Sheet Flow, sheet flow steep slope** Woods: Dense underbrush n= 0.800 P2= 2.53"
3.0	30	0.0470	0.17		**Sheet Flow, sheet transition from woods to grass** Grass: Short n= 0.150 P2= 2.53"
0.1	20	0.1225	2.45		**Shallow Concentrated Flow, entry to pond** Short Grass Pasture Kv= 7.0 fps
15.3	120	Total			

Summary for Subcatchment SUB7: SUBCATCHMENT 7

Runoff = 5.33 cfs @ 12.11 hrs, Volume= 0.383 af, Depth> 4.44"
Routed to Pond P-3 : POND 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-yr Rainfall=7.10"

Area (sf)	CN	Description
203	96	Gravel surface, HSG D
44,906	77	Woods, Good, HSG D
45,109	77	Weighted Average
45,109		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	100	0.0471	0.10		**Sheet Flow, sheet** Woods: Light underbrush n= 0.400 P2= 2.53"
1.3	90	0.0553	1.18		**Shallow Concentrated Flow, shallow to pond 2** Woodland Kv= 5.0 fps
18.4	190	Total			

Summary for Reach DP-1: DESIGN POINT 1

Inflow Area = 11.345 ac, 0.00% Impervious, Inflow Depth > 5.05" for 100-yr event
Inflow = 41.68 cfs @ 12.20 hrs, Volume= 4.775 af
Outflow = 41.68 cfs @ 12.20 hrs, Volume= 4.775 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-2: DESIGN POINT 2

Inflow Area = 2.856 ac, 5.57% Impervious, Inflow Depth > 5.00" for 100-yr event
Inflow = 23.21 cfs @ 11.98 hrs, Volume= 1.191 af
Outflow = 23.21 cfs @ 11.98 hrs, Volume= 1.191 af, Atten= 0%, Lag= 0.0 min

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

Summary for Reach DP-3: DESIGN POINT 3

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth > 3.13" for 100-yr event
Inflow = 0.87 cfs @ 12.35 hrs, Volume= 0.125 af
Outflow = 0.87 cfs @ 12.35 hrs, Volume= 0.125 af, Atten= 0%, Lag= 0.0 min

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

Summary for Pond BIO-2: BIO-2

Inflow Area = 0.262 ac, 0.00% Impervious, Inflow Depth > 5.58" for 100-yr event
Inflow = 2.65 cfs @ 11.90 hrs, Volume= 0.122 af
Outflow = 2.49 cfs @ 11.92 hrs, Volume= 0.112 af, Atten= 6%, Lag= 1.3 min
Primary = 2.49 cfs @ 11.92 hrs, Volume= 0.112 af
Routed to Reach DP-1 : DESIGN POINT 1
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 837.75' @ 11.92 hrs Surf.Area= 1,041 sf Storage= 676 cf

Plug-Flow detention time= 63.4 min calculated for 0.112 af (92% of inflow)
Center-of-Mass det. time= 20.5 min (801.7 - 781.3)

Volume	Invert	Avail.Storage	Storage Description
#1	837.00'	2,301 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
837.00	763	0	0
837.50	943	427	427
838.00	1,138	520	947
839.00	1,571	1,355	2,301

Device	Routing	Invert	Outlet Devices
#1	Secondary	838.50'	**5.0' long x 6.0' 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 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83
#2	Primary	834.33'	**15.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 834.33' / 834.10' S= 0.0092 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#3	Device 2	837.50'	**18.0" x 18.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 2	834.33'	**6.0" Round Culvert** L= 125.0' CPP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 834.33' / 834.33' S= 0.0000 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf
#5	Device 4	837.00'	**0.500 in/hr Exfiltration over Surface area**

Primary OutFlow Max=2.41 cfs @ 11.92 hrs HW=837.75' (Free Discharge)
└**2=Culvert** (Passes 2.41 cfs of 7.79 cfs potential flow)
  └**3=Orifice/Grate** (Weir Controls 2.40 cfs @ 1.62 fps)
  └**4=Culvert** (Passes 0.01 cfs of 0.85 cfs potential flow)
    └**5=Exfiltration** (Exfiltration Controls 0.01 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=837.00' (Free Discharge)
└**1=Broad-Crested Rectangular Weir**(Controls 0.00 cfs)

Summary for Pond BIO-3: BIO-3

Inflow Area = 0.300 ac, 0.00% Impervious, Inflow Depth > 5.80" for 100-yr event
Inflow = 2.99 cfs @ 11.92 hrs, Volume= 0.145 af
Outflow = 2.98 cfs @ 11.93 hrs, Volume= 0.138 af, Atten= 0%, Lag= 0.9 min
Primary = 2.98 cfs @ 11.93 hrs, Volume= 0.138 af
Routed to Reach DP-1 : DESIGN POINT 1
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 837.78' @ 11.93 hrs Surf.Area= 818 sf Storage= 509 cf

Plug-Flow detention time= 44.5 min calculated for 0.138 af (95% of inflow)
Center-of-Mass det. time= 16.7 min (792.4 - 775.8)

Volume	Invert	Avail.Storage	Storage Description
#1	837.00'	1,844 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
837.00	482	0	0
837.50	694	294	294
838.00	911	401	695
839.00	1,387	1,149	1,844

Device	Routing	Invert	Outlet Devices
#1	Secondary	838.50'	**5.0' long x 6.0' 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 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83
#2	Primary	834.33'	**15.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 834.33' / 834.10' S= 0.0092 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#3	Device 2	837.50'	**18.0" x 18.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 2	834.33'	**6.0" Round Culvert** L= 125.0' CPP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 834.33' / 834.33' S= 0.0000 '/' Cc= 0.900

n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

#5	Device 4	837.00'	**0.500 in/hr Exfiltration over Surface area**

Primary OutFlow Max=2.85 cfs @ 11.93 hrs HW=837.78' (Free Discharge)
└**2=Culvert** (Passes 2.85 cfs of 7.83 cfs potential flow)
  └**3=Orifice/Grate** (Weir Controls 2.84 cfs @ 1.72 fps)
  └**4=Culvert** (Passes 0.01 cfs of 0.85 cfs potential flow)
    └**5=Exfiltration** (Exfiltration Controls 0.01 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=837.00' (Free Discharge)
└**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Summary for Pond BIO1: BIO-1

Inflow Area = 5.271 ac, 0.00% Impervious, Inflow Depth > 6.15" for 100-yr event
Inflow = 48.23 cfs @ 11.98 hrs, Volume= 2.700 af
Outflow = 45.20 cfs @ 12.02 hrs, Volume= 2.362 af, Atten= 6%, Lag= 2.1 min
Primary = 9.37 cfs @ 12.02 hrs, Volume= 1.829 af
Routed to Pond P-1 : POND 1
Secondary = 35.82 cfs @ 12.02 hrs, Volume= 0.532 af
Routed to Pond P-1 : POND 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 843.99' @ 12.02 hrs Surf.Area= 12,866 sf Storage= 31,898 cf

Plug-Flow detention time= 101.2 min calculated for 2.357 af (87% of inflow)
Center-of-Mass det. time= 41.9 min (811.4 - 769.5)

Volume	Invert	Avail.Storage	Storage Description
#1	841.00'	31,986 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
841.00	8,516	0	0
842.00	9,902	9,209	9,209
843.00	11,388	10,645	19,854
844.00	12,876	12,132	31,986

Device	Routing	Invert	Outlet Devices
#1	Secondary	843.50'	**40.0' long x 6.0' 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 4.00 4.50 5.00 5.50 Coef. (English) 2.37 2.51 2.70 2.68 2.68 2.67 2.65 2.65 2.65 2.65 2.66 2.66 2.67 2.69 2.72 2.76 2.83
#2	Primary	839.33'	**15.0" Round Culvert** L= 25.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 839.33' / 839.10' S= 0.0092 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#3	Device 2	842.50'	**18.0" x 18.0" Horiz. Orifice/Grate X 2.00** C= 0.600 Limited to weir flow at low heads
#4	Device 2	839.33'	**6.0" Round Culvert**

L= 125.0' CPP, mitered to conform to fill, Ke= 0.700
Inlet / Outlet Invert= 839.33' / 839.33' S= 0.0000 '/' Cc= 0.900
n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.20 sf

#5	Device 4	841.00'	**0.500 in/hr Exfiltration over Surface area**

Primary OutFlow Max=9.35 cfs @ 12.02 hrs HW=843.98' (Free Discharge)
└**2=Culvert** (Inlet Controls 9.35 cfs @ 7.62 fps)
└**3=Orifice/Grate** (Passes < 26.32 cfs potential flow)
└**4=Culvert** (Passes < 1.01 cfs potential flow)
└**5=Exfiltration** (Passes < 0.15 cfs potential flow)

Secondary OutFlow Max=33.93 cfs @ 12.02 hrs HW=843.98' (Free Discharge)
└**1=Broad-Crested Rectangular Weir** (Weir Controls 33.93 cfs @ 1.78 fps)

Summary for Pond P-1: POND 1

Inflow Area = 8.897 ac, 0.00% Impervious, Inflow Depth > 5.64" for 100-yr event
Inflow = 65.42 cfs @ 12.03 hrs, Volume= 4.180 af
Outflow = 32.78 cfs @ 12.21 hrs, Volume= 3.811 af, Atten= 50%, Lag= 10.6 min
Primary = 20.21 cfs @ 12.21 hrs, Volume= 3.595 af
Routed to Reach DP-1 : DESIGN POINT 1
Secondary = 12.58 cfs @ 12.21 hrs, Volume= 0.216 af
Routed to Reach DP-1 : DESIGN POINT 1

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 841.96' @ 12.21 hrs Surf.Area= 15,351 sf Storage= 57,300 cf

Plug-Flow detention time= 92.5 min calculated for 3.803 af (91% of inflow)
Center-of-Mass det. time= 47.8 min (846.2 - 798.4)

Volume	Invert	Avail.Storage	Storage Description
#1	836.00'	57,942 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
836.00	4,291	0	0
837.00	5,960	5,126	5,126
838.00	7,724	6,842	11,968
839.00	9,525	8,625	20,592
840.00	11,443	10,484	31,076
841.00	13,427	12,435	43,511
842.00	15,435	14,431	57,942

Device	Routing	Invert	Outlet Devices
#1	Primary	836.00'	**24.0" Round Culvert** L= 100.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 836.00' / 835.00' S= 0.0100 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 3.14 sf
#2	Device 1	836.00'	**5.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	839.50'	**10.0" W x 5.0" H Vert. Orifice/Grate X 0.00** C= 0.600 Limited to weir flow at low heads

#4	Device 1	839.00'	**18.0" x 18.0" Horiz. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#5	Secondary	841.50'	**15.0' long x 40.0' 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) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63

Primary OutFlow Max=20.18 cfs @ 12.21 hrs HW=841.95' (Free Discharge)
└**1=Culvert** (Passes 20.18 cfs of 26.57 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 1.57 cfs @ 11.54 fps)
  ├**3=Orifice/Grate** (Controls 0.00 cfs)
  └**4=Orifice/Grate** (Orifice Controls 18.61 cfs @ 8.27 fps)

Secondary OutFlow Max=12.25 cfs @ 12.21 hrs HW=841.95' (Free Discharge)
└**5=Broad-Crested Rectangular Weir** (Weir Controls 12.25 cfs @ 1.81 fps)

Summary for Pond P-2: POND 2

Inflow Area = 0.480 ac, 0.00% Impervious, Inflow Depth > 5.11" for 100-yr event
Inflow = 3.05 cfs @ 12.07 hrs, Volume= 0.204 af
Outflow = 0.87 cfs @ 12.35 hrs, Volume= 0.125 af, Atten= 71%, Lag= 16.8 min
Primary = 0.87 cfs @ 12.35 hrs, Volume= 0.125 af
Routed to Reach DP-3 : DESIGN POINT 3

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 849.70' @ 12.35 hrs Surf.Area= 6,736 sf Storage= 4,605 cf

Plug-Flow detention time= 202.3 min calculated for 0.125 af (61% of inflow)
Center-of-Mass det. time= 99.3 min (902.8 - 803.4)

Volume	Invert	Avail.Storage	Storage Description
#1	849.00'	6,665 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
849.00	6,484	0	0
850.00	6,846	6,665	6,665

Device	Routing	Invert	Outlet Devices
#1	Primary	849.50'	**4.0' long + 0.1 '/' 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=0.87 cfs @ 12.35 hrs HW=849.70' (Free Discharge)
└**1=Broad-Crested Rectangular Weir** (Weir Controls 0.87 cfs @ 1.10 fps)

Summary for Pond P-3: POND 3

Inflow Area = 1.036 ac, 0.00% Impervious, Inflow Depth > 4.44" for 100-yr event
Inflow = 5.33 cfs @ 12.11 hrs, Volume= 0.383 af
Outflow = 5.33 cfs @ 12.11 hrs, Volume= 0.383 af, Atten= 0%, Lag= 0.0 min
Primary = 5.33 cfs @ 12.11 hrs, Volume= 0.383 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 862.69' @ 12.11 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	862.50'	**25.0' long + 0.1 '/' 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=5.29 cfs @ 12.11 hrs HW=862.69' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir** (Weir Controls 5.29 cfs @ 1.09 fps)

TOWN OF DUANESBURG
SCHENECTADY COUNTY

NOTICE OF PUBLIC HEARING

LEGAL NOTICE
NOTICE OF PUBLIC HEARING
PLANNING BOARD
TOWN OF DUANESBURG

PLEASE TAKE NOTICE, THAT THE PLANNING BOARD OF THE TOWN OF DUANESBURG, NEW YORK, WILL MEET AT THE TOWN HALL IN THE TOWN OF DUANESBURG, 5853 WESTERN TURNPIKE, ON **January 18, 2024** AT **7:00 PM** FOR THE PURPOSE OF HEARING ALL PERSONS INTERESTED IN THE APPLICATION OF:

#23-30 Stealey, Tricia: SBL#68.00-1-9.12, (C-1), located at 3215 Western Turnpike is seeking a special use permit to temporarily have 2 dwellings on one lot under section 11.4(11) Town of Duanesburg Zoning Ordinance.

APPLICATION INFORMATION IS AVAILABLE DURING BUSINESS HOURS

BY ORDER OF THE CHAIRPERSON
PLANNING BOARD
TOWN OF DUANESBURG
CHAIRPERSON

Join Zoom Meeting https://us02web.zoom.us/j/86499746075 Meeting ID: 864 9974 6075
Passcode: 130214 Dial in by Phone:1-646-558-8656 Meeting ID: 864 9974 6075
Passcode: 13021

NOTICE OF DETERMINATION
of the Town of Duanesburg

Date of Determination 12/11/23

Application of TRICIA STANLEY under section 11.4 (11) of the (Village of Delanson/ Town of Duanesburg) Zoning Ordinance.

Applicant TRICIA STANLEY
Address 3215 WESTERN TURNPIKE
DUANESBURG N.Y.

Phone _____ Zoning District C-1 SBL# 68.00-1-9.12

Description of Project: TEMPORARILY HAVE 2 HOMES ON ONE Staged LOT.

Determination:
SPECIAL USE NEEDED

Reason supporting determination:
TOWN of DUANESBURG ZONING ORDINANCE ADOPTED 6/11/15 UNDER SECTION 11.4(11) USES PERMITTED BY SPECIAL USE; DWELLING MULTI-FAMILY.

Action: Refer to PLANNING BOARD	**for the purpose of** SPECIAL USE PERMIT

Code Enforcement Officer: Christopher Palmer

APPLICATION FOR THE PLANNING BOARD Revised 04/12/2017
TOWN OF DUANESBURG
**********FOR OFFICE USE ONLY**********

CHECKLIST OF REQUIRED INFORMATION:

- ☒ Title of drawing.
- ☒ Tax Map ID #
- ☒ Zoning district
- ☒ Current Original Deed
- ☒ NYS Survey (L.S. & P.E.)
- ☒ North Arrow, scale (1"=100'),
- ☒ Boundaries of the property plotted and labeled to scale.
- ☒ School District/Fire District
- ☒ Green area/ landscaping
- ☒ Existing watercourses, wetlands, etc.
- ☒ Contour Lines (increments of 10ft.)
- ☒ Easements & Right of ways
- ☒ Abutting Properties Wells/ Sewer Systems within 100ft.
- ☒ Well/ Water system
- ☒ Septic system: Soil investigation completed?
- ☒ Sewer System: Which district?
- ☐ Basic SWPPP (1≥ & <5)
- ☐ Full Storm Water Control Plan (5acres or more)
- ☐ Storm Water Control Plan
- ☒ Short or long EAF www.dec.ny.gov/eafmapper/
- ☐ Street pattern: Traffic study needed?
- ☐ All property Mergers REQUIRE both owners Signatures on the Application

Additional Requirements for Special Use Application:

- ☒ New or existing building
- ☒ Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date 12-7-23

Application type: ☐ Major Subdv ☐ Minor Subdv ☒ Special Use Permit ☐ Site/ Sketch Plan Review ☐ LotLine Adjust

Proposal: Set a new doublewide 10' from existing, demo existing upon completion

_____ Section _____ of _____ Ordinance.

Present Owner: Tricia Stealey (AS APPEARS ON DEED!!)

Address: 3215 Western Turnpike. Zip code : 12056

Phone # (required) 518-209-4480

Applicants Name (if different): _____ Phone# (required) _____

Location of Property (if different from owners) _____

Tax Map #68.00-1-9.12 Zoning District C-1

_____ _____

Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!)

LANDS CONVEYED TO (REQUIRED FOR MERGERS) _____

Signature of receiving Property Owner _____ (AS APPEARS ON DEED!!)

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant herby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

Tricia Stealey Date 12-7-23

Signature of Owner(S) and/or Applicant(S)

ALL APPLICATION FEES ARE NON-REFUNDABLE!

(For office use only)

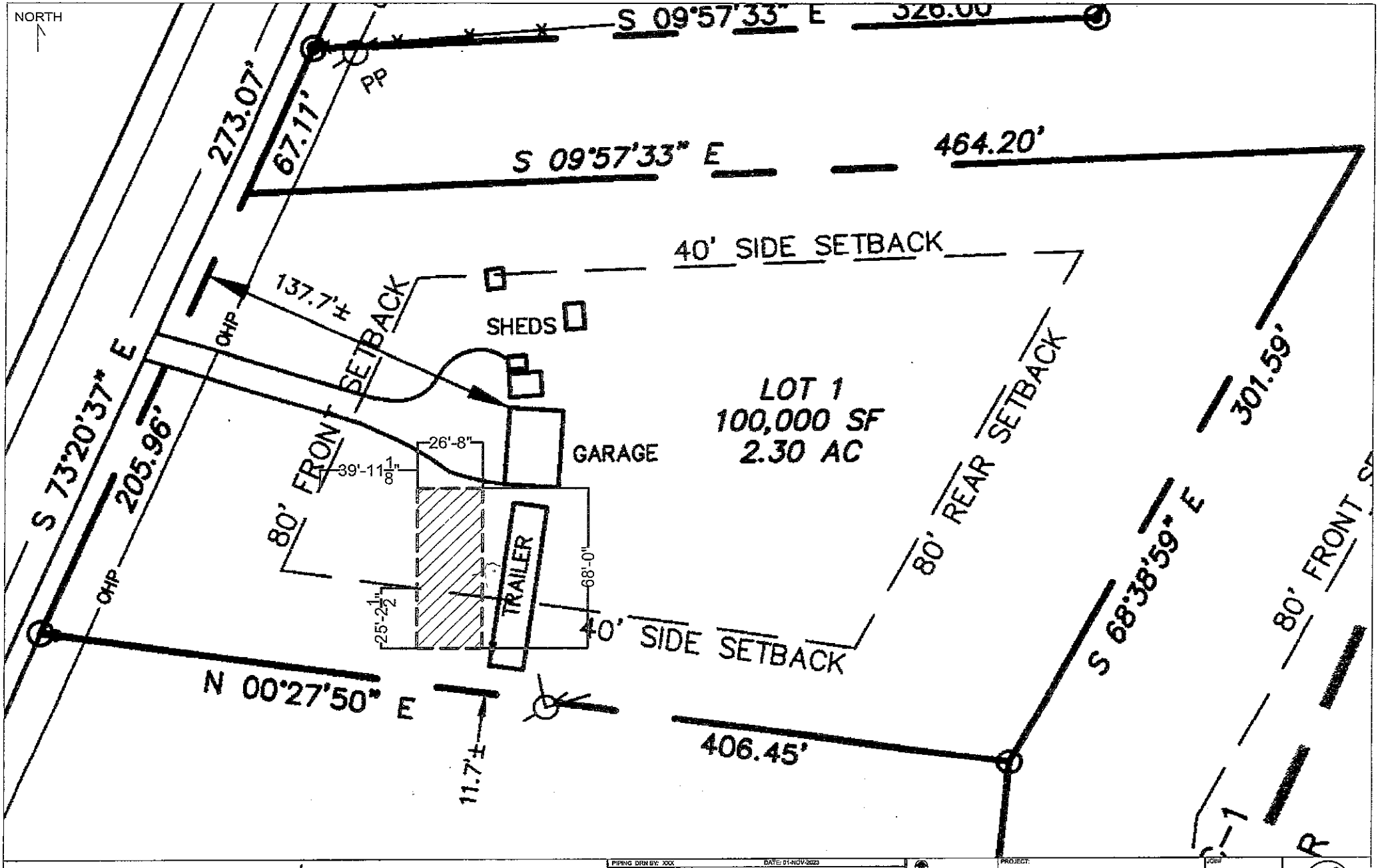
Application fee paid: $100 Check# _____ Reviewed By_____ Date_____

☐ Approved ☐ Disapproved ☐ Refer to Code Enforcement Section _____ of _____ Ordinance

Planning Commission Comments: _____

_____ _____ _____ _____

Planning Chairperson Date Code Enforcement Date



DRAWING NAME

PIPING DRN BY: XXX
DATE: 01-NOV-2023

NO.	DATE	REVISIONS DESCRIPTION	BY	SK	DATE
A	A	A		XX	

PROJECT:
CUSTOMER: XXXXXXXXXXXXXX
ARCHITECT: N/A
ENGINEER: N/A
DRAWING NUMBER
X

JOB#
#XXXXX

SCALE: N.T.S.
REV: 0
PLOT SIZE: 30 x 42

FPI MECHANICAL, INC.

NOTICE OF DETERMINATION
of the Town of Duanesburg

Date of Determination 9/11/23

Application of Thomas Samuelson under section 9.4(8) of the (Village of Delanson/Town of Duanesburg) Zoning Ordinance.

Applicant Thomas Samuelson
Address 308 Lake Rd
Delanson N.Y.

Phone 518-688-4971 Zoning District H SBL# 67.05-2-13.1

Description of Project: Return Building into a Two Family Dwelling

Determination:
Special use Permit Needed

Reason supporting determination:
Town of Duanesburg Zoning Ordinance Adopted 6/11/15
Section 9.4(8) Special use Required for Two family Dwelling

Action: Refer to Planning Board **for the purpose of** Special use

Code Enforcement Officer: Christopher Palow

APPLICATION FOR THE PLANNING BOARD Revised 04/12/2017
TOWN OF DUANESBURG
**********FOR OFFICE USE ONLY**********

ORIGINAL

CHECKLIST OF REQUIRED INFORMATION:

- ☒ Title of drawing.
- ☒ Tax Map ID #
- ☒ Zoning district
- ☒ Current Original Deed
- ☒ NYS Survey (L.S. & P.E.)
- ☒ North Arrow, scale (1"=100'),
- ☒ Boundaries of the property plotted and labeled to scale.
- ☒ School District/Fire District
- ☒ Green area/ landscaping
- ☒ Existing watercourses, wetlands, etc.
- ☒ Contour Lines (increments of 10ft.)
- ☒ Easements & Right of ways
- ☒ Abutting Properties Wells/ Sewer Systems within 100ft.
- ☒ Well/ Water system
- ☒ Septic system: Soil investigation completed?
- ☒ Sewer System: Which district?
- ☐ Basic SWPPP (1≥ & <5)
- ☐ Full Storm Water Control Plan (5acres or more)
- ☐ Storm Water Control Plan
- ☒ Short or long EAF www.dec.ny.gov/eafmapper/
- ☐ Street pattern: Traffic study needed?
- ☐ All property Mergers REQUIRE both owners Signatures on the Application

Additional Requirements for Special Use Application:

- ☒ New or existing building
- ☒ Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date 9/7/23

Application type: ☐ Major Subdv ☐ Minor Subdv ☒ Special Use Permit ☐ Site/ Sketch Plan Review ☐ LotLine Adjust

Proposal: Return building to a two family dwelling

_____ Section 9.4 of 8 Ordinance.

Present Owner: THOMAS SAMOELSON (AS APPEARS ON DEED!!)
Address: 308 LAKE ROAD Zip code: 12053
Phone # (required) 518-688-4971

Applicants Name (if different): _____ Phone# (required) 518-688-4971
Location of Property (if different from owners) 6928 Duanesburg Rd
Tax Map # 67.05-2-13.1 Zoning District H

_____ _____

Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!)

LANDS CONVEYED TO (REQUIRED FOR MERGERS) _____

Signature of receiving Property Owner _____ (AS APPEARS ON DEED!!)

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant herby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

Thomas O Samuelson Date 09/07/23
Signature of Owner(S) and/or Applicant(S)

ALL APPLICATION FEES ARE NON-REFUNDABLE!

Application fee paid: $100 Check# 398 (For office use only) Reviewed By _____ Date _____

☐ Approved ☐ Disapproved ☐ Refer to Code Enforcement Section _____ of _____ Ordinance

Planning Commission Comments: _____

_____ _____ _____ _____
Planning Chairperson Date Code Enforcement Date

ZONING COORDINATION REFERRAL

SCHENECTADY COUNTY DEPT. OF ECONOMIC DEVELOPMENT & PLANNING

Recommendations shall be made within 30 days after receipt of a full statement of the proposed action.

For Use By SCDEDP

Received_____
Case No._____
Returned_____

FROM: ☐ Legislative Body
☐ Zoning Board of Appeals
☑ Planning Board

Municipality: Town of Duanesburg

TO: Schenectady County Department of Economic Development and Planning
Schaffer Heights, 107 Nott Terrace, Suite 303
Schenectady, NY 12308

(tel.) 386-2225
(fax) 382-5539

ACTION:
☐ Zoning Code/Law Amendment
☐ Zoning Map Amendment
☐ Subdivision Review
☐ Site Plan Review
☑ Special Permit
☐ Use Variance
☐ Area Variance
☐ Other (specify)_____

PUBLIC HEARING OR MEETING DATE: 09/21/23

SUBJECT: #23-19 Samuelson, Thomas: SBL#67.05-2-13.1 (H) located at 6928 Duanesburg Rd is proposing to convert existing residential building back to a two-family dwelling.

REQUIRED ENCLOSURES:
1. Public hearing notice & copy of the application.
2. Map of property affected. (Including Tax Map I.D. number if available)
3. Completed environmental assessment form and all other materials required by the referring body in order to make its determination of significance pursuant to the state environmental quality review act.

1. This zoning case is forwarded to your office for review in compliance with Sections 239-l, 239-m and 239-n of Article 12-B of the General Municipal Law, New York State.

2. This material is sent to you for review and recommendation because the property affected by the proposed action is located within 500 feet of the following:

☐ the boundary of any city, village or town;
☐ the boundary of any existing or proposed County or State park or other recreation area;
☑ the right-of-way of any existing or proposed County or State parkway, thruway, expressway, road or highway;
☐ the existing or proposed right-of-way of any stream or drainage channel owned by the County or for which the County has established channel lines;
☐ the existing or proposed boundary of any County or State-owned land on which a public building or institution is situated;
☐ the boundary of a farm operation located in an agricultural district, as defined by Article 25-AA of the agriculture and markets law. The referral requirement of this subparagraph shall not apply to the granting of area variances.

SUBMITTED BY:

Name: Coryn VanDeusen Title: Planning/Zoning Clerk

Address: 5853 Western Turnpike Duanesburg, NY 12056

E-mail: cvandeusen@duanesburg.net Phone: (518) 895-2040

Coryn VanDeusen
Signature

Date: 09/19/2023

ORIGINAL

ORIGINAL

Date 09-07-2023

Application type : Special Use Permit

Proposal: Return Building to a two family dwelling

Section 8.4 of 8 Ordinance.

Present Owner: Thomas Samuelson (AS IT APPEARS ON DEED!!!)

Address: 308 Lake Road Zip code: 12053

Phone # (required) 518-688-4971

Applicants Name: Thomas Samuelson Phone# 518-688-4971

Location of Property (if different from owner): 6928 Duanesburg Road

Tax Map# 67.05-2-13.1 Zoning District H

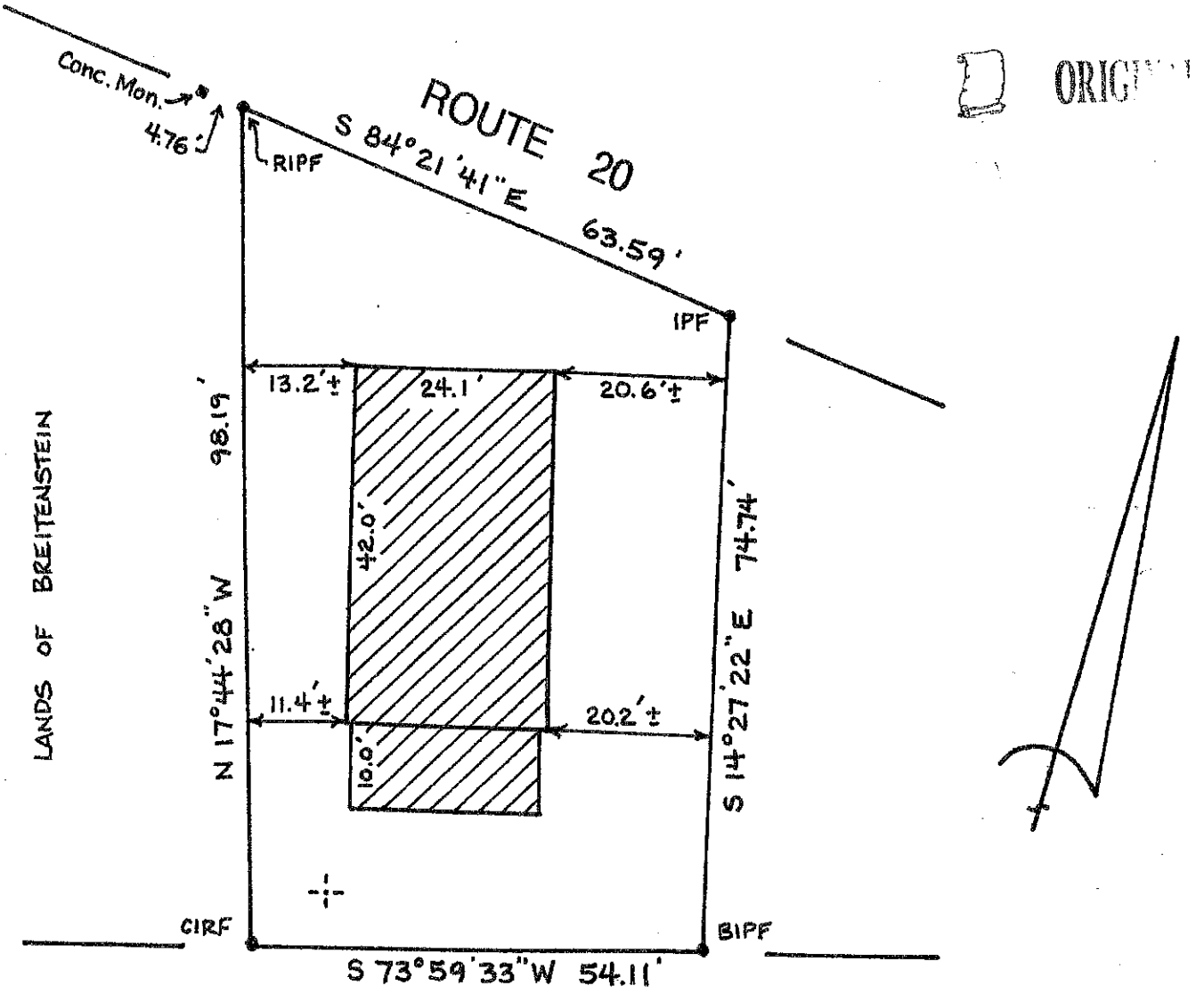
Thomas A Samuelson

Signature of Owner (AS IT APPEARS ONDEED!)

I CERTIFY THAT THE ABOVEINFORMATION IS TRUE AND CORRECT. The Applicant herby certifies that he is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the town of Duanesburg to walk the property for the purpose of conducting a site review.

Thomas A Samuelson Date 9-5-2023

Signature of Owner(S) and/or Applicant(S)



CIRF Capped Iron Rod Found
BIPF Bent Iron Pipe Found
RIPF Reset Iron Pipe Found
IPF Iron Pipe Found

MAP SHOWING SURVEY OF THE LANDS OF

THOMAS A. SAMUELSON

TOWN OF DUANESBURG
SCHENECTADY COUNTY, N.Y.

SCALE 1" – 20'
NOVEMBER 30, 2011

STATE OF NEW YORK
MARK C. BLACKSTONE
49542
LICENSED LAND SURVEYOR

BLACKSTONE LAND SURVEYORS

1152 FORT HUNTER RD. SCH'DY, NY 12303

ZONING COORDINATION REFERRAL

SCHENECTADY COUNTY DEPT. OF ECONOMIC DEVELOPMENT & PLANNING

Recommendations shall be made within 30 days after receipt of a full statement of the proposed action.

For Use By SCDEDP

Received_____
Case No._____
Returned_____

FROM:
- ☐ Legislative Body
- ☐ Zoning Board of Appeals
- ☑ Planning Board

Municipality: Town of Duanesburg

TO: Schenectady County Department of Economic Development and Planning
Schaffer Heights, 107 Nott Terrace, Suite 303
Schenectady, NY 12308

(tel.) 386-2225
(fax) 382-5539

ACTION:
- ☐ Zoning Code/Law Amendment
- ☐ Zoning Map Amendment
- ☐ Subdivision Review
- ☐ Site Plan Review
- ☑ Special Permit
- ☐ Use Variance
- ☐ Area Variance
- ☐ Other (specify)_____

PUBLIC HEARING OR MEETING DATE: 01/18/24

SUBJECT: #23-19 Samuelson, Thomas: SBL#67.05-2-13.1 (H) located at 6928 Duanesburg Rd is seeking a special use permit to convert existing residential building back to a two-family dwelling under section #9.4(8) of the town of Duanesburg Zoning Ordinance.

REQUIRED ENCLOSURES:
1. Public hearing notice & copy of the application.
2. Map of property affected. (Including Tax Map I.D. number if available)
3. Completed environmental assessment form and all other materials required by the referring body in order to make its determination of significance pursuant to the state environmental quality review act.

1. This zoning case is forwarded to your office for review in compliance with Sections 239-l, 239-m and 239-n of Article 12-B of the General Municipal Law, New York State.

2. This material is sent to you for review and recommendation because the property affected by the proposed action is located within 500 feet of the following:

- ☐ the boundary of any city, village or town;
- ☐ the boundary of any existing or proposed County or State park or other recreation area;
- ☑ the right-of-way of any existing or proposed County or State parkway, thruway, expressway, road or highway;
- ☐ the existing or proposed right-of-way of any stream or drainage channel owned by the County or for which the County has established channel lines;
- ☐ the existing or proposed boundary of any County or State-owned land on which a public building or institution is situated;
- ☐ the boundary of a farm operation located in an agricultural district, as defined by Article 25-AA of the agriculture and markets law. The referral requirement of this subparagraph shall not apply to the granting of area variances.

SUBMITTED BY:

Name: Coryn VanDeusen Title: Planning/Zoning Clerk

Address: 5853 Western Turnpike Duanesburg, NY 12056

E-mail: cvandeusen@duanesburg.net Phone: (518) 895-2040

Coryn VanDeusen Date: 01/09/2024

Signature

APPLICATION FOR THE PLANNING BOARD Revised 04/12/2017
TOWN OF DUANESBURG
**********FOR OFFICE USE ONLY**********

ORIGINAL

CHECKLIST OF REQUIRED INFORMATION:

- ☒ Title of drawing.
- ☒ Tax Map ID #
- ☒ Zoning district
- ☒ Current Original Deed
- ☒ NYS Survey (L.S. & P.E.)
- ☒ North Arrow, scale (1"=100'),
- ☒ Boundaries of the property plotted and labeled to scale.
- ☒ School District/Fire District
- ☒ Green area/ landscaping
- ☒ Existing watercourses, wetlands, etc.
- ☒ Contour Lines (increments of 10ft.)
- ☒ Easements & Right of ways
- ☒ Abutting Properties Wells/ Sewer Systems within 100ft.
- ☒ Well/ Water system
- ☒ Septic system: Soil Investigation completed?
- ☒ Sewer System: Which district?
- ☐ Basic SWPPP (1≥ & <5)
- ☐ Full Storm Water Control Plan (5acres or more)
- ☐ Storm Water Control Plan
- ☒ Short or long EAF www.dec.ny.gov/eafmapper/
- ☐ Street pattern: Traffic study needed?
- ☐ All property Mergers REQUIRE both owners Signatures on the Application

Additional Requirements for Special Use Application:

- ☒ New or existing building
- ☒ Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date October 20, 2023

Application type: ☒ Major Subdv ☐ Minor Subdv ☐ Special Use Permit ☐ Site/ Sketch Plan Review ☐ LotLine Adjust

Proposal: 4-lot residential subdivision of portion of parcel R2 zone meeting all zoning requirement. Plus one commercial lot in the C1 zoning district.

_____ Section _____ of _____ Ordinance.

Present Owner: Edward Putnam (AS APPEARS ON DEED!!)
Address: 4136 Western TPKE RD Zip code : 12056
Phone # (required) 518-895-1053

Applicants Name (if different): _____ Phone# (required) _____
Location of Property (if different from owners) _____
Tax Map # 67..00-2-6.11 Zoning District C1 & R2

Roger E. Putnam _____
Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!)

LANDS CONVEYED TO (REQUIRED FOR MERGERS) N/A
Signature of receiving Property Owner N/A (AS APPEARS ON DEED!!)

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant herby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

Roger E. Putnam _____ Date October 23, 2023
Signature of Owner(S) and/or Applicant(S)

ALL APPLICATION FEES ARE NON-REFUNDABLE!

(For office use only)

Application fee paid: _____ Check# _____ Reviewed By _____ Date _____

☐ Approved ☐ Disapproved ☐ Refer to Code Enforcement Section _____ of _____ Ordinance

Planning Commission Comments: _____

_____ Planning Chairperson _____ Date _____ Code Enforcement _____ Date

ORIGINAL

TOWN OF DUANESBURG Application# 23 - 23

Agricultural Data Statement Date: **October 20, 2023**

Instructions: This form must be completed for any application for a special use permit, site plan approval, use variance or a subdivision approval requiring municipal review that would occur on property within 500 feet of a farm operation located in a NYS Dept. of Ag & Markets certified Agricultural District.

Applicant	Owner if Different from Applicant
Name: **Edward Putnam (Roger Putnam – Power of Attorney)** Address: **252 Duane Lake Road Duanesburg NY, 12056**	Name: **Same as owner**

1. Type of Application: Special Use Permit; Site Plan Approval; Use Variance; Area Variance; ✓Subdivision Approval (circle one or more)
2. Description of proposed project:
   4 Lot subdivision of a portion of parcel 67.00-2-6.11 (197+/- ac.) located in the Town's R2 zone, meeting all zoning requirements. Plus once commercial lot (11.34ac) in the C1 zone.
3. Location of project: Address: **4136 Western TPK & North Mansion Road**
   Tax Map Number (TMP) **67.00-2-6.11**
4. Is this parcel within an Agricultural District? ✓YES NO (Check with your local
5. If YES, Agricultural District Number **114** assessor if you do not know.)
6. Is this parcel actively farmed? YES ✓NO
7. List all farm operations within 500 feet of your parcel. Attach additional sheet if necessary.

There are no active farms within a 500' radius of the parcel to be subdivided, except this parcel.

NAME: **Edward Putnam** ADDRESS: **252 Duane Lake Road Duanesburg NY, 12056** Is this parcel actively farmed? ✓YES NO	NAME: ADDRESS: Is this parcel actively farmed? YES NO
NAME: ADDRESS: Is this parcel actively farmed? YES NO	NAME: ADDRESS: Is this parcel actively farmed? YES NO

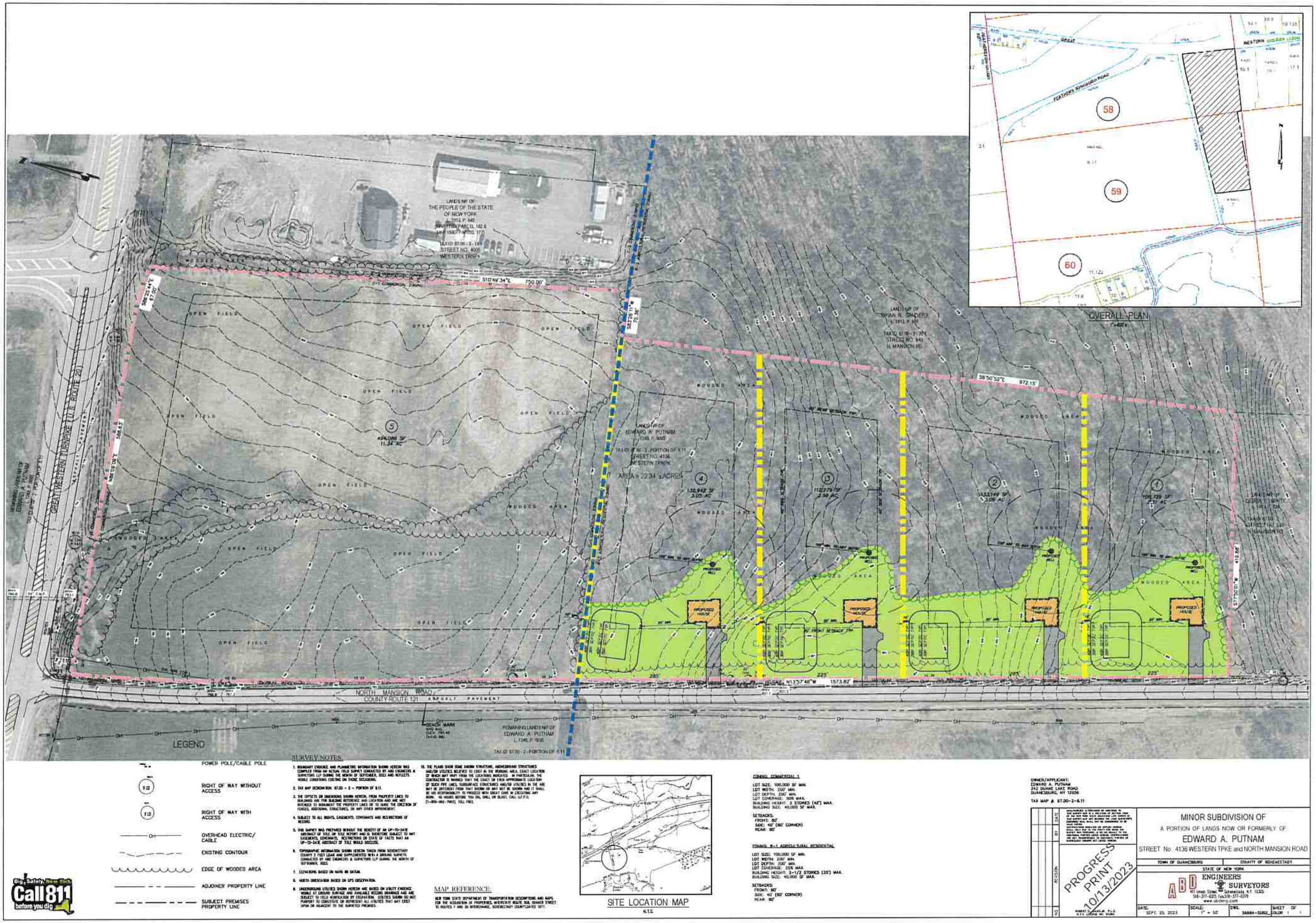
Signature of Applicant

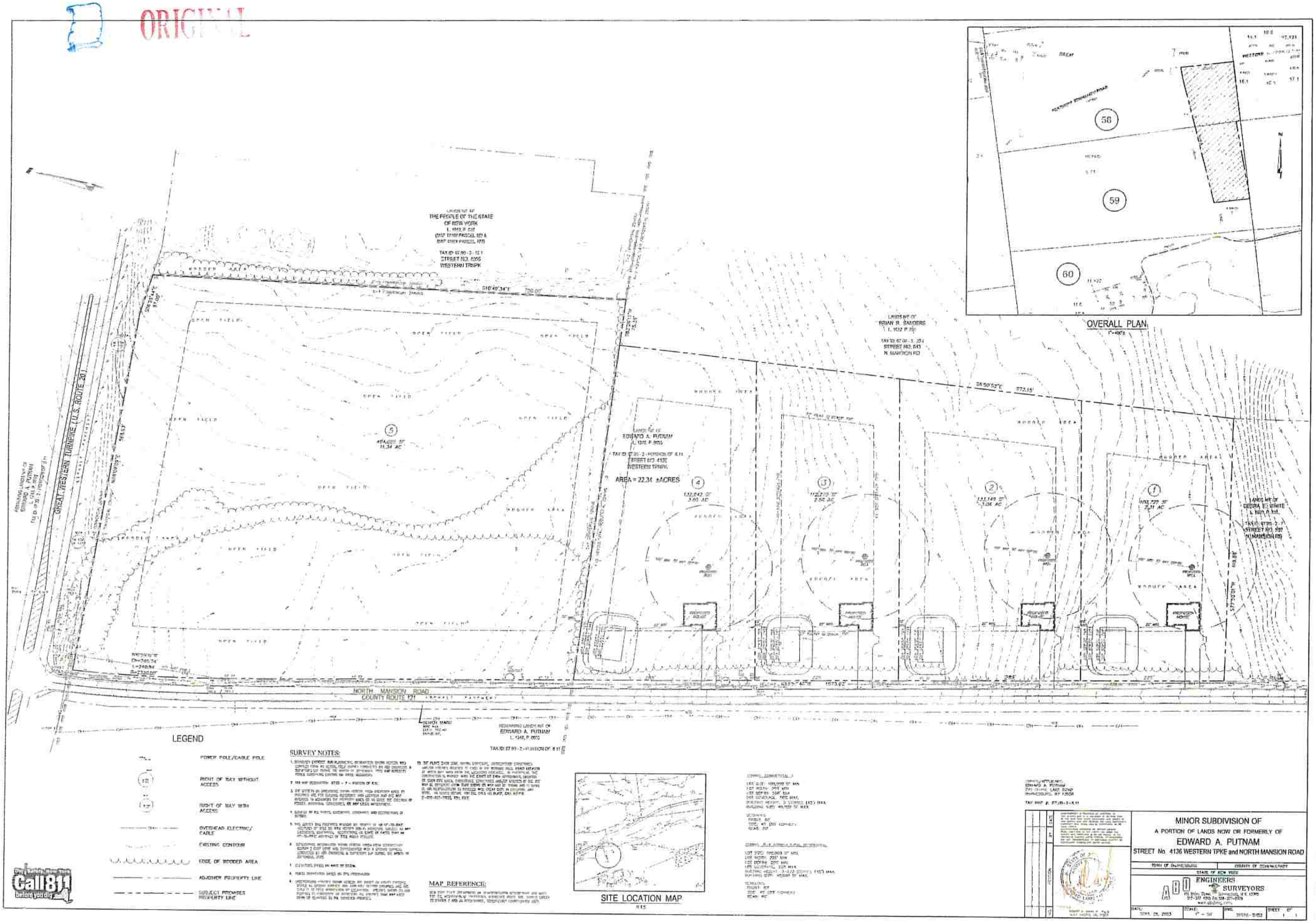
Signature of Owner (if other than applicant)

Reviewed by: _____ Date

Revised 6/30/08

NOTE TO REFERRAL AGENCY: County Planning Board review is required. A copy of the Agricultural Data Statement must be submitted along with the referral to the County Planning Department.


OVERALL PLAN
58
59
60
GREAT WESTERN TURNPIKE (U.S. ROUTE 20)
NORTH MANSION ROAD
COUNTY ROUTE 121
ASPHALT PAVEMENT
LANDS N/F OF
THE PEOPLE OF THE STATE
OF NEW YORK
STREET NO. 4005
WESTERN TRNPK
LANDS N/F OF
EDWARD A. PUTNAM
STREET NO. 4136
WESTERN TRNPK
AREA = 22.34 ±ACRES
REMAINING LANDS N/F OF
EDWARD A. PUTNAM
S10°49'34"E 750.00'
S8°50'52"E 972.15'
N13°57'46"W 1573.82'
OPEN FIELD
WOODED AREA
PROPOSED HOUSE
PROPOSED WELL
494,046 SF
11.34 AC
132,942 SF
3.05 AC
112,279 SF
2.58 AC
100,729 SF
2.31 AC
BENCH MARK
LEGEND
POWER POLE/CABLE POLE
RIGHT OF WAY WITHOUT ACCESS
RIGHT OF WAY WITH ACCESS
OVERHEAD ELECTRIC/ CABLE
EXISTING CONTOUR
EDGE OF WOODED AREA
ADJOINER PROPERTY LINE
SUBJECT PREMISES PROPERTY LINE
Dig Safely. New York
Call 811
before you dig
SURVEY NOTES:
MAP REFERENCE:
SITE LOCATION MAP
N.T.S.
ZONING: COMMERCIAL 1
LOT SIZE: 100,000 SF MIN.
LOT WIDTH: 200' MIN.
LOT DEPTH: 200' MIN.
LOT COVERAGE: 30% MAX.
BUILDING HEIGHT: 3 STORIES (42') MAX.
BUILDING SIZE: 40,000 SF MAX.
SETBACKS:
FRONT: 80'
SIDE: 40' (80' CORNER)
REAR: 80'
ZONING: R-1 AGRICULTURAL RESIDENTIAL
LOT SIZE: 100,000 SF MIN.
LOT WIDTH: 200' MIN.
LOT DEPTH: 200' MIN.
LOT COVERAGE: 25% MAX.
BUILDING HEIGHT: 2-1/2 STORIES (35') MAX.
BUILDING SIZE: 40,000 SF MAX.
SETBACKS:
FRONT: 80'
SIDE: 40' (80' CORNER)
REAR: 80'
OWNER/APPLICANT:
EDWARD A. PUTNAM
242 DUANE LAKE ROAD
DUANESBURG, NY 12056
TAX MAP #: 57.00-2-6.11
PROGRESS PRINT 10/13/2023
MINOR SUBDIVISION OF
A PORTION OF LANDS NOW OR FORMERLY OF
EDWARD A. PUTNAM
STREET No. 4136 WESTERN TPKE and NORTH MANSION ROAD
TOWN OF DUANESBURG
COUNTY OF SCHENECTADY
STATE OF NEW YORK
ABD ENGINEERS SURVEYORS
DATE: SEPT. 25, 2023
SCALE: 1" = 50'


ORIGINAL
GREAT WESTERN TURNPIKE (U.S. ROUTE 20)
LANDS N/F OF THE PEOPLE OF THE STATE OF NEW YORK
STREET NO. 4095 WESTERN TRPK
OPEN FIELD
WOODED AREA
5
464,022 SF 11.34 AC
LANDS N/F OF EDWARD A. PUTNAM
STREET NO. 4136 WESTERN TRPK
AREA = 22.34 ±ACRES
4
3
2
1
LANDS N/F OF BRIAN R. SANDERS
STREET NO. 843 N. MANSION RD
LANDS N/F OF DEBRA E. WHITE
NORTH MANSION ROAD
COUNTY ROUTE 121
ASPHALT PAVEMENT
REMAINING LANDS N/F OF EDWARD A. PUTNAM
OVERALL PLAN
58
59
60
LEGEND
POWER POLE/CABLE POLE
RIGHT OF WAY WITHOUT ACCESS
RIGHT OF WAY WITH ACCESS
OVERHEAD ELECTRIC/ CABLE
EXISTING CONTOUR
EDGE OF WOODED AREA
ADJOINER PROPERTY LINE
SUBJECT PREMISES PROPERTY LINE
SURVEY NOTES:
MAP REFERENCE:
SITE LOCATION MAP
Call 811
MINOR SUBDIVISION OF
A PORTION OF LANDS NOW OR FORMERLY OF
EDWARD A. PUTNAM
STREET No. 4136 WESTERN TPKE and NORTH MANSION ROAD
ENGINEERS
SURVEYORS

ORIGINAL

145-1569

FORM S 341 N.Y. DEED – EXECUTOR'S 89 5340 NATIONAL LEGAL SUPPLY, INC. 85 BEAVER STREET ALBANY N.Y. 12207

LIBER 1248 PAGE 0095

This Indenture,

Made the 30th day of November Nineteen Hundred and Eighty-Nine

Between EDWARD A. PUTNAM, residing at Route 20, Duanesburg, New York 12056

an Executor of the estate of ADALINE N. PUTNAM by virtue of the last Will and Testament of ADALINE N. PUTNAM, late of the County of Schenectady deceased,

party of the first part, and

EDWARD A. PUTNAM, residing at Route 20, Duanesburg, New New 12056

party of the second part:

Witnesseth, That the party of the first part, by virtue of the power and authority to given in and by the said last Will and Testament, and in consideration of

---

One Dollars, ($1.00) lawful money of the United States, and other good and valuable consideration paid by the party of the second part, do hereby grant and release unto the party of the second part, and his heirs and assigns forever, all

Two (2) parcels of land as set forth in Schedule "A" annexed hereto and made a part hereof, consisting of four (4) pages,

Parcel Number (1) being the same premises conveyed to the grantor herein, by Warrant Deed from WINIFRED CULLINGS WRIGHT, and MARTHA FRANCES WRIGHT, Distributee in the Estate of MARY C. WRIGHT, Deceased and under the last will and testament of GEORGE WRIGHT, Deceased, December 10, 1940, in the County of Schenectady, to FLOYD E. PUTNAM and ADALINE N. PUTNAM, his wife, dated July 5th, 1944, and recorded in the Schenectady County Clerk's Office on July 19, 1944 in Liber 506 at Page 395. FLOYD E. PUTNAM having predeceased ADALINE N. PUTNAM, on the 21st day of June, 19 87, and being a resident of the County of Schenectady, at the time of his death and ADALINE N. PUTNAM, having died a resident of the County of Schenectady, on July 26, 1989.

Parcel No. 2 being the same premises conveyed to the grantor herein, by Warrant Deed from BOZENKILL LAKE CORPORATION, to FLOYD E. PUTNAM and ADALINE N. PUTNAM, his wife, dated February 26th, 1952, and recorded in the Schenectady County Clerk's Office on May 8th, 1952, in Liber 662 of deeds at Page 304. FLOYD E. PUTNAM having predeceased ADALINE N. PUTNAM, on the 26th day of July, 19 89, and being a resident of the County of Schenectady, at the time of his death.

This conveyance is made subject to all enforceable covenants, conditions and easements of record and made pursuant to the Last Will and Testament of Adaline N. Putnam admitted to Probate in the Schenectady County Surrogates Court on the 16th, day of August, 1989.

R.P.T.S.A. TAX MAP IDENT SEC. 67.00 BLK. 2 LOT 6.11

ORIGINAL

SCHEDULE "A"

1218 10097

(PARCEL NO. 1)

THAT CERTAIN LOT, PIECE OR PARCEL OF LAND situate lying and being in the Town of Duanesburg, in the County of Schenectady, and State of New York, known and distinguished in the survey of said Township as Lot Number Fifty-eight (58): Beginning at a post and heap of stones placed at the southwest corner of Lot Number 57, now or formerly owned by William Ackerson, and 2 chains and 3 links North from the Western Turnpike, and runs thence along the south bounds of said Lot Number 57 (as the needle pointed in 1813) East 2 degrees 17 minutes North 45 chains and 18 links to Lot Number 4; then along the same South 2 degrees 30 minutes East 23 chains and 1 link to land formerly of Wm. A. S. North, deceased; then along the same West 1 degree 54 minutes South 45 chains 22 links to Lot Number 63; then along the same North 0 degrees 27 minutes West 9 chains 45 links to Lot Number 64; then along the same North 2 degrees 48 minutes West 13 chains 8 links to the place of beginning, containing 102.92 acres of land.

Being the same premises as described in a certain Warranty Deed from John A. Pell, George W. Pell and Adelia D. Pell, widow of the late Alfred S. Pell, to John A. Ferguson, dated the 29th day of January, 1848, and recorded in the Office of the Clerk of the County of Schenectady on the 3rd day of February, 1848, in Book "Y" of Deeds, at Page 504.

ALSO, ALL THAT CERTAIN PIECE OR PARCEL OF LAND, situate in the Town of Duanesburg, whereof William Eckerson died seized and which he devised by his last Will and Testament, duly admitted to probate by the Surrogate of the County of Schenectady, to Catharine McGue, and described as follows: South by the lands now or formerly of John Ferguson; East by the lands owned by Ralph McDougall, deceased, in his lifetime and at the time of his death; North by the lands now or formerly of William Liddle; West by lands now or formerly of Dr. Stephen C. DeLamater, containing 100 acres, be the same more or less.

Being the same premises as described in a certain Warranty Deed from Catharine McGue and Kelly McGue, as her husband, to John Ferguson, dated the 14th day of February, 1866, and recorded in the Office of the Clerk of the County of Schenectady on the 16th day of March, 1866, in Book 46 of Deeds, at Page 172

LIBER 506 PAGE 396 EXCEPTING AND RESERVING, however, out of the premises above described the following: ALL THAT CERTAIN PIECE OF LAND lying in the Town of Duanesburg, County aforesaid, and being part and parcel of farm or Lot Number 57, as distinguished on the map made by James Frost, Surveyor, in the year 1813, and bounded as follows: Beginning at a marked beech tree, and being the northeast corner of said Lot Number 57, and runs thence along the north bounds thereof, as the needle now points, North 88 degrees 20 minutes west 43 chains and 7 links to the northwest corner thereof; thence along the west bounds thereof South 2 degrees west 9 chains and 51 links to the center of the highway leading to Schenectady; thence along the center of said Creek Highway, 89 degrees 10 minutes east 4 chains and 61 links; and South 86 degrees and 35 minutes east 7 chains and 34 links, and South 81 degrees and 15 minutes east 7 chains and 60 links; and South 81 degrees and 10 minutes east 6 chains and 67 links, and North 88 degrees 40 minutes east 3 chains and 79 links, and North 79 degrees east 6 chains and 18 links, and North 77 degrees east 7 chains and 76 links to the east bounds of said lot; thence along the same North 7 chains and 82 links to the place of beginning, containing 42 acres 3 roods and 36 1/2 rods.

Being the same premises as described in a certain Warranty Deed from John A. Ferguson and Elizabeth, his wife, to William Liddle, dated the 30th day of March, 1866, and recorded in the Office of the Clerk of the County of Schenectady on the 11th day of July, 1866, in Book 47 of Deeds, at Page 131.

And being the same premises as devised under the "2nd" paragraph of the last Will and Testament of John A. Ferguson, dated June 25th, 1900, and proved January 23rd, 1905, and recorded in the Schenectady County Surrogate's Office in Book "O" of Wills at Page 528, wherein said premises were devised to his daughter, Almira D. Cullings.

Also being the same premises as came by inheritance through the Estates of Almira D. Cullings and William Cullings into Mary Cullings.

ORIGINAL

liber1248 page0098

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EXCEPTING AND RESERVING, however, out of the premises above described the following: ALL THAT PIECE OR PARCEL OF LAND situate in the Town of Duanesburg, County of Schenectady, and State of New York, for the reconstruction of the Schenectady-Duanesburg Pt. 2 State Highway No. 5545, as shown on map duly filed in the Office of the Clerk of Schenectady County, and described as follows: Beginning at a point on the Northerly boundary of the existing Schenectady-Duanesburg Pt. 2 Highway, said point being 5 plus or minus feet distant southerly measured at right angles from Station 401 plus 98 plus or minus of the survey base line for the reconstruction of the Schenectady-Duanesburg Pt. 2 State Highway No. 5545, Schenectady County; thence South 89 degrees 55 minutes West 208 plus or minus feet to a point 48 feet distant southerly measured at right angles from station 404 plus 00 of said base line; thence South 77 degrees 57 minutes West 350 plus or minus feet to a point 48 feet distant Southerly measured at right angles from Station 407 plus 50 of said base line; thence North 78 degrees 28 min. West 693 plus or minus feet to a point on the southerly boundary of said existing highway, the last mentioned point being 42 plus or minus feet distant measured at right angles from Station 414 plus 00 of said base line; thence Easterly along the last mentioned boundary of said existing highway 1205 plus or minus feet to the point of beginning, being .31 acres, more or less.

Being the same premises as described in a certain Warranty Deed from Mary C. Wright to County of Schenectady, a Municipal Corporation, dated the 24th day of October, 1930, and recorded in the Office of the Clerk of the County of Schenectady on the 10th day of February, 1931, in Book 373 of Deeds, at Page 9.

ALSO, EXCEPTING, however, out of the aforedescribed promises that portion described as follows: ALL THOSE PIECES OR PARCELS OF LAND hereinafter designated as PARCELS "A" and "B", situate in the Town of Duanesburg, County of Schenectady, and State of New York, for the proposed reconstruction of the Guilderland-Duanesburg Part 2 State Highway No. 8097, as shown upon map on file in the Schenectady County Clerk's Office, and described as follows:

PARCEL "A"

liber 506 page 397

BEGINNING at a point on the Southerly boundary of the existing Guilderland-Duanesburg Part 2 Highway at the intersection of said boundary with the division line between the lands of David Miller, reputed owner on the East, and the lands of the late Mary C. Wright, former owner, on the west, said point being 23 plus or minus feet distant southerly measured at right angles from station 208 plus 64 plus or minus of the hereinafter described survey base line of the proposed reconstruction of the Guilderland-Duanesburg Part 2 State Highway No. 8097; thence southerly along said division line 9 plus or minus feet to a point 36 feet distant southerly measured at right angles from station 208 plus 62 plus or minus of said base line; thence N. 86° 35' W. 585 plus or minus feet to a point on the division line between the lands of the late Mary C. Wright, former owner, on the east and a town road on the west, the last mentioned point being 35 feet distant southerly, measured at right angles from station 214 plus 47 plus or minus of the said base line; thence northeasterly along said division line 10 plus or minus feet to its intersection with the southerly boundary of said existing highway, the last mentioned point being 29 plus or minus feet distant southerly measured at right angles from station 214 plus 39 plus or minus of the said base line; thence easterly along the last mentioned boundary of said existing highway 575 plus or minus feet to the point of beginning, being 0.15 acres, more or less.

PARCEL "B"

BEGINNING at a point on the northerly boundary of the existing Guilderland-Duanesburg Pt. 2 Highway, said point being 44 plus or minus feet distant northerly measured at right angles from station 218 plus 70 of the hereinafter described survey base line for the proposed reconstruction of the Guilderland-Duanesburg Pt. 2 State Highway No. 8097; thence N. 3° 19' E. 1 plus or minus feet to

ORIGINAL

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a point 45 feet distant northerly measured at right angles from station 218 plus 70 of said base line; thence N. 79° 53' W. 648 feet to a point 50 feet distant northerly measured at right angles from station 225 plus 25 of said base line; thence N. 77° 4' W. 475 feet to a point 46 feet distant northerly measured at right angles from station 229 plus 99 of said base line; thence N. 76° 53' W. 635 feet to a point 45 feet distant northerly measured at right angles from station 236 plus 34 of said base line; thence N. 78° 42' W. 241 plus or minus feet to a point on the division line between the lands of the late Mary C. Wright, former owner, on the east and the lands now or formerly of Earl W. Liddle, on the west, the last mentioned point being 37 feet distant northerly measured at right angles from station 238 plus 75 of the said base line; thence southerly along said division line 1 plus or minus feet to a point on the northerly boundary of said existing highway, the last mentioned point being 36 plus or minus feet distant northerly measured at right angles from station 238 plus 75 plus or minus of said base line; thence easterly along the last mentioned boundary of said existing highway 2006 plus or minus feet to the point of beginning, being 0.50 acres more or less.

The above mentioned survey base line is a portion of the 1931 survey base line for the said proposed reconstruction of the Guilderland-Duanesburg Part 2 State Highway No. 8097, County of Schenectady, as shown on Map on file in the Office of the Clerk of Schenectady County, and is described as follows: BEGINNING at station 205 plus 00; thence AZ. 273° 19' 1525 feet to station 220 plus 25; thence AZ. 278° 40' 275 feet to station 223 plus 00; thence AZ 283° 25' 700 feet to station 230 plus 00; thence AZ 283° 12' 900 feet to station 239 plus 00, all of which is shown on map on file in the Office of the Clerk of the County of Schenectady.

The real property herein intended to be conveyed is the real property obtained by John A. Ferguson in 1848 from John A. Pell, et al, and obtained by John Ferguson in 1866 from Catharine McCue and husband, except property conveyed by said Ferguson and wife to William Liddle in 1866, and further excepting real property deeded to the County of Schenectady by Mary C. Wright in 1930, and further excepting two parcels of real property recently taken by the County of Schenectady for reconstruction of the Guilderland-Duanesburg Part 2 State Highway No. 8097.

The premises herein conveyed constitute all the real property which the grantors herein, to-wit: Winifred Cullings Wright and Martha Frances Wright obtained by inheritance through the estates of their mother, Mary C. Wright, in 1940, and their father, George Wright, in 1940, with the exception of the parcels more recently taken by the County of Schenectady for reconstruction of said highway.

(PARCEL NO. 2)

ALL that tract, piece or parcel of land situate in the Town of Duanesburg, Schenectady County, New York, lying southerly of U. S. Route 20 and lying part easterly and part westerly of North Mansion Road and further bounded and described as follows: BEGINNING at the point of intersection of the center line of North Mansion Road with the southerly line of lands of Putnam and runs thence along said line of Putnam, easterly about 570 feet to the intersection of stone wall; thence southerly along the westerly line of lands of DeForest about 920 feet to a point; thence westerly along the northerly line of lands of Noble, about 480 feet to the center line

ORIGINAL

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Mansion Road; thence southerly along the said center line about 430 feet to a point; thence westerly along the northerly line of a private road leading from North Mansion Road to the camps on the West end of Duane Lake, about 1050 feet to a point where said private road turns southerly; thence southerly along the westerly line of said private road about 175 feet to a point; thence westerly along the northerly line of a road originally used between the North Mansion

LIBER 662 PAGE 305

Road and the residence of C. L. Duane, about 1550 feet to a point; thence northerly along the easterly line of lands of Featherstonhaugh, formerly lands of Duane, about 1980 feet to a point; thence along the southerly line of lands of Putnam about 2350 feet to the point or place of beginning and containing about 104 acres of land.

The above described parcel being a portion of the premises conveyed by Edward McQuade, Mary K. McQuade, Alice McQuade and Margaret McQuade to Bozenkill Lake Corporation, by deed dated September 26th, 1940, and recorded in the Schenectady County Clerk's office August 16th, 1941 in Book 461 of deeds, at page 507. Excepting and reserving from the above described parcel a lot containing about 0.75 of an acre of land conveyed to Bessie L. Cooke by the party of the first part by deed dated February 16, 1951, and recorded in the Schenectady County Clerk's office February 26th, 1951, in Book 637 of Deeds, at page 449.

Said premises are sold and conveyed subject to the restriction that no buildings or other structures shall be erected thereon within two hundred feet of the northerly side of said private road.

TOWN OF DUANESBURG

APPLICATION FOR SITE/ SKETCH DEVEOPMENT PLAN APPROVAL

Preliminary ✓ Date: October 20, 2023 **Final** Date: _____
(Check appropriate box)

Name of proposed development **Minor Subdivision – Portion of Lands now N/F of Edward Putnam**

Applicant:
Name **Edward Putnam**
(Roger Putnam – Power of Attorney)
Address **4136 Western TPKE Road**
Duanesburg NY, 12056
Telephone **518-895-1053**

Plans Prepared by:
Name **ABD Engineers & Surveyors, LLP.**
Address **411 Union Street**
Schenectady NY, 12035
Telephone **518-377-0315**

Owner (if different): (if more than one owner, provide information for each)
Name **Same as owner**
Address _____

Telephone _____

Ownership intentions, i.e., purchase options
Sell four residential lots

Location of site
4136 Western TPKE Road and North Mansion Road

Section **67.00** Block **2** Lot **6.11**

Current zoning classification **C1 and R2**

State and federal permits needed (list type and appropriate department)
n/a

Proposed use(s) of site
4-Lot residential subdivision of portion of parcel in R2 zone meeting all zoning requirements. Plus one commercial lot in the C1 zoning district.

Total site area (square feet or acres) **197+/-**

Anticipated construction time **2-year**

Will development be phased? **no**

Over ➔

Current land use of site (agricultural, commercial, underdeveloped, etc.)
Undeveloped

Current condition of site (buildings, brush, etc.) **wooded / grassland**

Character of surrounding lands (suburban, agricultural, wetlands, etc.) **residential / commercial / agricultural**

Estimated cost of proposed improvement $ **TBD**

Anticipated increase in number of residents, shoppers, employees, etc. (as applicable)
8-12

Describe proposed use, including primary and secondary uses; ground floor area; height; and number of stories for each building:

- for residential buildings include number of dwelling units by size (efficiency, one-bedroom, two-bedroom, three or more bedrooms) and number of parking spaces to be provided.
- For non-residential buildings, include total floor area sales area; number of automobile andtruck parking spaces,
- Other proposed structures.

(Use separate sheet if needed)

4-Typical 3-4 Bedroom single-family homes

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. 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; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Minor Subdivision – Portion of Lands now N/F of Edward Putnam		
Project Location (describe, and attach a general location map): 4136 Western TPKE Road and North Mansion Road		
Brief Description of Proposed Action (include purpose or need): 4-lot residential subdivision of portion of parcel in R2 zone meeting all zoning requirements for single-family homes. Plus one commercial lot (11.34ac) in the C1 zone		
Name of Applicant/Sponsor: Edward Putnam (Roger Putnam - Power of Attorney)	Telephone: 518-1053 E-Mail: l88cycleshop@yahoo.com	
Address: 242 Duane Lake Road		
City/PO: Duanesburg	State: New York	Zip Code: 12056
Project Contact (if not same as sponsor; give name and title/role): Joseph J. Bianchine, P.E - ABD Engineer, LLP.	Telephone: 518-377-0315 E-Mail: joe@abdeng.com	
Address: 411 Union Street		
City/PO: Schenectady	State: NY	Zip Code: 12035
Property Owner (if not same as sponsor): same as applicant / sponsor	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☐Yes☑No		
b. City, Town or Village Planning Board or Commission ☑Yes☐No	Duanesburg Planning Board for Subdivision Approval	October 20, 2023
c. City, Town or Village Zoning Board of Appeals ☐Yes☑No		
d. Other local agencies ☐Yes☑No		
e. County agencies ☑Yes☐No	Schenectady County Department of Health	To be scheduled
f. Regional agencies ☐Yes☑No		
g. State agencies ☐Yes☑No		
h. Federal agencies ☐Yes☑No		

i. Coastal Resources.
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☑Yes☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes☐No

If Yes, identify the plan(s):
NYS Heritage Areas:Mohawk Valley Heritage Corridor

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes☑No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site?

C.4. Existing community services.

a. In what school district is the project site located? Duanesburg Central School

b. What police or other public protection forces serve the project site?
Schenectady County Sheriff and New York State Police

c. Which fire protection and emergency medical services serve the project site?
Fire District #2 - Duanesburg Fire Department

d. What parks serve the project site?
Ron Mead Park

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? wooded and grassland

b. a. Total acreage of the site of the proposed action? 197+/- acres
b. Total acreage to be physically disturbed? 3+/- acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 197+/- acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☑ Yes ☐ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
Residential
ii. Is a cluster/conservation layout proposed? ☐ Yes ☑ No
iii. Number of lots proposed? 4 residential plus 1 commercial
iv. Minimum and maximum proposed lot sizes? Minimum 2.31 acres Maximum 11.34 acres

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated 4
- Anticipated commencement date of phase 1 (including demolition) 3 month 24 year
- Anticipated completion date of final phase 12 month 25 year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:
lot by lot development as sold

f. Does the project include new residential uses? ☑ Yes ☐ No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	1			
At completion of all phases	4			

g. Does the proposed action include new non-residential construction (including expansions)? ☐ Yes ☑ No

If Yes,

i. Total number of structures _____

ii. Dimensions (in feet) of largest proposed structure: _____ height; _____ width; and _____ length

iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☑ No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify: _____

iii. If other than water, identify the type of impounded/contained liquids and their source. _____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☐ Yes ☑ No

If Yes:

i. What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____

iv. Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☐ No

If yes, describe. _____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐ Yes ☐ No

ix. Summarize site reclamation goals and plan: _____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☑ No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☐No
If Yes, describe:

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐Yes ☐No
If Yes:

- acres of aquatic vegetation proposed to be removed:
- expected acreage of aquatic vegetation remaining after project completion:
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access):
- proposed method of plant removal:
- if chemical/herbicide treatment will be used, specify product(s):

v. Describe any proposed reclamation/mitigation following disturbance:

c. Will the proposed action use, or create a new demand for water? ☑Yes ☐No
If Yes:

i. Total anticipated water usage/demand per day: 1,540+/- gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐Yes ☑No
If Yes:

- Name of district or service area:
- Does the existing public water supply have capacity to serve the proposal? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No
- Do existing lines serve the project site? ☐Yes ☐No

iii. Will line extension within an existing district be necessary to supply the project? ☐Yes ☑No
If Yes:

- Describe extensions or capacity expansions proposed to serve this project:
- Source(s) of supply for the district:

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐Yes ☑No
If, Yes:

- Applicant/sponsor for new district:
- Date application submitted or anticipated:
- Proposed source(s) of supply for new district:

v. If a public water supply will not be used, describe plans to provide water supply for the project:

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☑Yes ☐No
If Yes:

i. Total anticipated liquid waste generation per day: 1,200 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each):
Sanitary Waste

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐Yes ☑No
If Yes:

- Name of wastewater treatment plant to be used:
- Name of district:
- Does the existing wastewater treatment plant have capacity to serve the project? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No

- Do existing sewer lines serve the project site? ☐Yes ☑No
- Will a line extension within an existing district be necessary to serve the project? ☐Yes ☑No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes ☑No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑Yes ☐No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

8,000 Square feet or 0.18 acres (impervious surface) approximatly 2,000SF / lot

_____ Square feet or 197 acres (parcel size)

ii. Describe types of new point sources. Swales

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

Swales to roadside ditch

- If to surface waters, identify receiving water bodies or wetlands: N/A
- Will stormwater runoff flow to adjacent properties? ☐Yes ☑No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☑Yes ☐No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐Yes ☑No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☑No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☐No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend
☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☐No

N/A

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____
N/A

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☐No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 7-6
- Saturday: 7-2
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: 24/7
- Saturday: 24/7
- Sunday: 24/7
- Holidays: 24/7

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐ Yes ☑ No

If yes:

i. Provide details including sources, time of day and duration:

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☐ No

Describe:

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

Residential style lighting

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☑ Yes ☐ No

Describe: Some tree removal is required.

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

i. Product(s) to be stored

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities:

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☐ No

If Yes: N/A

i. Describe proposed treatment(s):

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☐ No

N/A

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction:
- Operation:

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction:
- Operation:

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☐ Commercial ☑ Residential (suburban) ☑ Rural (non-farm)
☐ Forest ☑ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site. **project site consists of 22.3+/- portion of parcel on east side of North Mansion Road**

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0	0.18+/-	+0.18
• Forested	12.56 (wooded)	7.82+/-	-4.74
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	9.74 (grassland/ open fields)	14.3+/-	+4.56
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	0
• Wetlands (freshwater or tidal)	0	0	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: _____	0	0	0

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No
i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐ Yes ☑ No
If Yes,
i. Identify Facilities:

_____
_____

e. Does the project site contain an existing dam? ☐ Yes ☑ No
If Yes:
i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____
iii. Provide date and summarize results of last inspection:

_____
_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No
If Yes:
i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____
_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No
If Yes:
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____
_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☑ No
If Yes:
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☐ No

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____
☐ Yes – Environmental Site Remediation database — Provide DEC ID number(s): _____
☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures: _____

_____
_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐ Yes ☑ No
If yes, provide DEC ID number(s): _____

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____
_____

v. Is the project site subject to an institutional control limiting property uses? ☐Yes ☑No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐Yes ☐No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? over 5' feet

b. Are there bedrock outcroppings on the project site? ☐Yes ☑No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %

c. Predominant soil type(s) present on project site: Silt Loam 100 %

d. What is the average depth to the water table on the project site? Average: over 3 feet

e. Drainage status of project site soils:
☐ Well Drained: ____% of site
☑ Moderately Well Drained: 50 % of site
☑ Poorly Drained 50 % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 60 % of site
☑ 10-15%: 25 % of site
☑ 15% or greater: 15 % of site

g. Are there any unique geologic features on the project site? ☐Yes ☑No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑Yes ☐No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑Yes ☐No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑Yes ☐No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 863-695, 863-686 Classification C
- Lakes or Ponds: Name _____ Classification non jurisdictional
- Wetlands: Name Federal Waters, Federal Waters, Federal Waters,... Approximate Size _____
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐Yes ☑No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐Yes ☑No

j. Is the project site in the 100-year Floodplain? ☐Yes ☑No

k. Is the project site in the 500-year Floodplain? ☐Yes ☑No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐Yes ☑No
If Yes:

i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site:
Typical rural / suburban wildlife

n. Does the project site contain a designated significant natural community? ☐Yes ☑No

If Yes:

i. Describe the habitat/community (composition, function, and basis for designation):

ii. Source(s) of description or evaluation:

iii. Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☑ Yes ☐No

If Yes:

i. Species and listing (endangered or threatened):

Northern Long-eared Bat, Bald Eagle

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐Yes ☑No

If Yes:

i. Species and listing:

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐Yes ☑No

If yes, give a brief description of how the proposed action may affect that use:

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☑Yes ☐No

If Yes, provide county plus district name/number: SCHE001

b. Are agricultural lands consisting of highly productive soils present? ☐Yes ☑No

i. If Yes: acreage(s) on project site?

ii. Source(s) of soil rating(s): USDA Web Soil Survey

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐Yes ☑No

If Yes:

i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

ii. Provide brief description of landmark, including values behind designation and approximate size/extent:

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐Yes ☑No

If Yes:

i. CEA name:

ii. Basis for designation:

iii. Designating agency and date:

e. 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? ☑ Yes ☐ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☑ Historic Building or District

ii. Name: Duane Mansion, North Manslon and Tenant House, Ferguson Farm Complex

iii. Brief description of attributes on which listing is based:

DEC Mapper

f. 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? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐ Yes ☑ No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

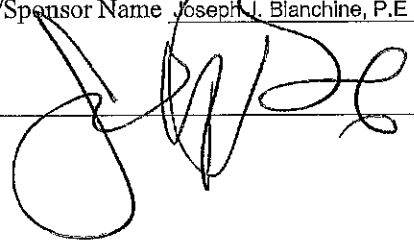
Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

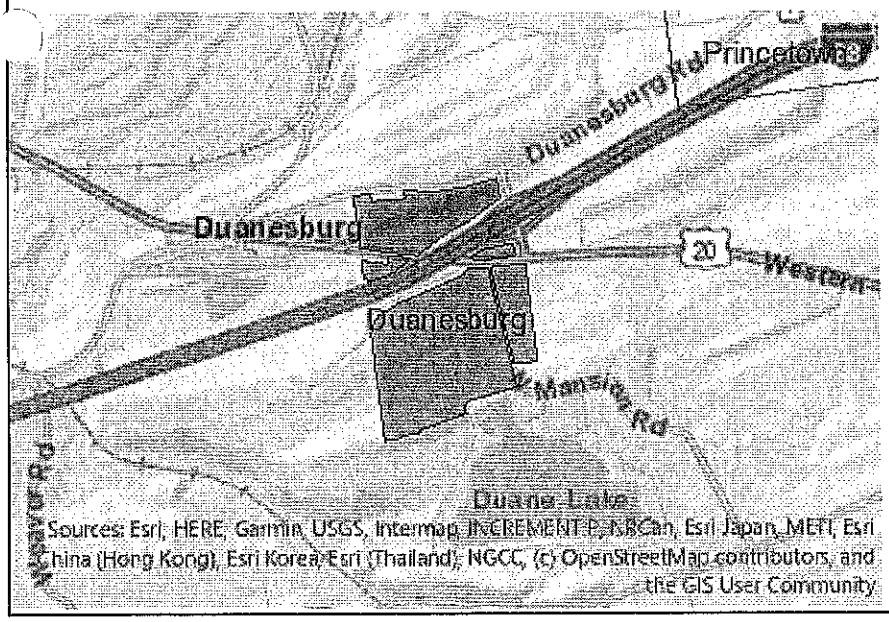
Applicant/Sponsor Name Joseph J. Blanchine, P.E Date October 20, 2023

Signature  Title Engineer

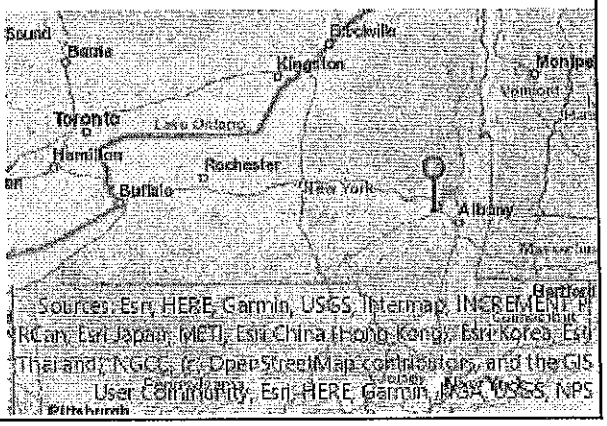
PRINT FORM

EAF Mapper Summary Report

Wednesday, October 18, 2023 10:54 AM



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.



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
2.b. [Special Planning District - Name]	NYS Heritage Areas:Mohawk Valley Heritage Corridor
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	863-695, 863-686
E.2.h.iv [Surface Water Features - Stream Classification]	C
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No

E.2.k. [1000 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Northern Long-eared Bat, Bald Eagle
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	Yes
E.3.a. [Agricultural District]	SCHE001
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.
E.3.e.ii [National or State Register of Historic Places or State Eligible Sites - Name]	Duane Mansion, North Mansion and Tenant House, Ferguson Farm Complex
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

NOTICE OF DETERMINATION
of the Town of Duanesburg

Date of Determination 10/23/23

Application of EDWARD PUTNAM under section 3.5 of the (Village of Delanson/Town of Duanesburg) SUBDIVISION Ordinance.

Applicant EDWARD PUTNAM
Address 4136 WESTERN TPKE
DUANESBURG N.Y. 12056

Phone 518-895-1053 Zoning District C-1/R-2 SBL# 67.00-2-6.11

Description of Project: SPLIT ONE BIG LOT INTO 4 5 SMALLER LOTS

Determination:
PLANNING BOARD for PURPOSE of MAJOR SUBDIVISION

Reason supporting determination:
TOWN of DUANESBURG SUBDIVISION ORDINANCE ADOPTED MARCH 9, 1995
SECTION 3.5 APPROVAL of MAJOR SUBDIVISION

Action: Refer to PLANNING BOARD **for the purpose of** 4 LOT MAJOR SUBDIVISION

Code Enforcement Officer: [signature]

ZONING COORDINATION REFERRAL

SCHENECTADY COUNTY DEPT. OF ECONOMIC DEVELOPMENT & PLANNING

Recommendations shall be made within 30 days after receipt of a full statement of the proposed action.

For Use By SCDEDP

Received 11-9-23
Case No. D-24-23
Returned 11-28-23

FROM:
- ☐ Legislative Body
- ☐ Zoning Board of Appeals
- ☑ Planning Board

Municipality: Town of Duanesburg

TO: Schenectady County Department of Economic Development and Planning
Schaffer Heights, 107 Nott Terrace, Suite 303
Schenectady, NY 12308

(tel.) 386-2225
(fax) 382-5539

Received
Schenectady County
NOV 09 2023
Economic Development and Planning Dept.

ACTION:
- ☐ Zoning Code/Law Amendment
- ☐ Zoning Map Amendment
- ☑ Subdivision Review
- ☐ Site Plan Review
- ☐ Special Permit
- ☐ Use Variance
- ☐ Area Variance
- ☐ Other (specify)

PUBLIC HEARING OR MEETING DATE: 11/16/23

SUBJECT: #23-23 Putnam, Edward: SBL#67.00-2-6.11, (C-1/R-2) is seeking a major subdivision of one lot into 5 smaller lots under section 3.5 of the town of Duanesburg subdivision ordinance

REQUIRED ENCLOSURES:
1. Public hearing notice & copy of the application.
2. Map of property affected. (Including Tax Map I.D. number if available)
3. Completed environmental assessment form and all other materials required by the referring body in order to make its determination of significance pursuant to the state environmental quality review act.

1. This zoning case is forwarded to your office for review in compliance with Sections 239-l, 239-m and 239-n of Article 12-B of the General Municipal Law, New York State.

2. This material is sent to you for review and recommendation because the property affected by the proposed action is located within 500 feet of the following:

- ☐ the boundary of any city, village or town;
- ☐ the boundary of any existing or proposed County or State park or other recreation area;
- ☑ the right-of-way of any existing or proposed County or State parkway, thruway, expressway, road or highway;
- ☐ the existing or proposed right-of-way of any stream or drainage channel owned by the County or for which the County has established channel lines;
- ☐ the existing or proposed boundary of any County or State-owned land on which a public building or institution is situated;
- ☐ the boundary of a farm operation located in an agricultural district, as defined by Article 25-AA of the agriculture and markets law. The referral requirement of this subparagraph shall not apply to the granting of area variances.

SUBMITTED BY:

Name: Coryn VanDeusen Title: Planning/Zoning Clerk

Address: 5853 Western Turnpike Duanesburg, NY 12056

E-mail: cvandeusen@duanesburg.net Phone: (518) 895-2040

Coryn VanDeusen
Signature

Date: 11/06/2023

PLANNING & ZONING COORDINATION REFERRAL

Case No. D-24-23

Applicant Edward Putnam

Referring Officer Coryn VanDeusen

Municipality Duanesburg

Considerations: Regarding a 22.3 acre vacant parcel, requesting subdivision approval to create five lots, four lots of 2.31, 2.58, 3.05, and 3.06 acres and a remaining 11.34 acre parcel. Located on the southeast corner of the North Mansion Road (CR 121) and Western Turnpike (US Rt. 20) intersection. Individual septic and well is proposed. Access is proposed to CR 121.

RECOMMENDATION

Receipt of zoning referral is acknowledged on November 9, 2023. Please be advised that the undersigned Commissioner of Economic Development and Planning of the County of Schenectady (having under the Schenectady County Charter the powers and duties of a County Planning Board) has reviewed the proposed action stated on the opposite side of this form and makes the following recommendations:

☑ ***Approve of the proposal.**

☐ **Defer to local consideration (No significant county-wide or inter-community impact)**

☐ **Modify/Conditionally Approve.** Conditions:

☐ **Advisory Note:**

☐ **Disapprove.** Reason:

*A recommendation of approval should not be interpreted that the County has reviewed all local concerns and/or endorses the project; rather the proposed action has met certain County considerations.

Section 239-m of the general Municipal Law requires that within 30 days after final action, the referring body shall file a report of the final action it has taken with the Schenectady County Department of Economic Development and Planning. A referring body which acts contrary to a recommendation of modification or disapproval of a proposed action shall set forth the reasons for the contrary action in such report.

11/20/23
Date

Ray Gillen, Commissioner
Economic Development and Planning

December 5th, 2023

To: All interested and involved agencies (See attached list)

Re: Application for Subdivision Approval for a five-lot residential/commercial subdivision located at 4136 Western Turnpike owned by Edward Putnam.

Dear Sir/Madam:

The Town of Duanesburg Planning Board determined at its regular meeting on November 16th, 2023, to declare its intent to act as SEQRA lead agency for the above referenced Type 1 action. Attached as required by the regulations is the SEQRA EAF Part 1 and the application. Please advise the Town Planning Board within the next thirty days if you would like to act as lead agency rather than the Planning Board. If we do not hear from you within the next 30 days, the Town Planning Board will be lead agency for the review of the project.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

Jeff Schmitt
Town of Duanesburg Planning Board Chair

cc: Town of Duanesburg Planning Board Clerk and Planning Board Members
Enc: SEQRA EAF Part 1 and Application

The Schenectady County Planning Department

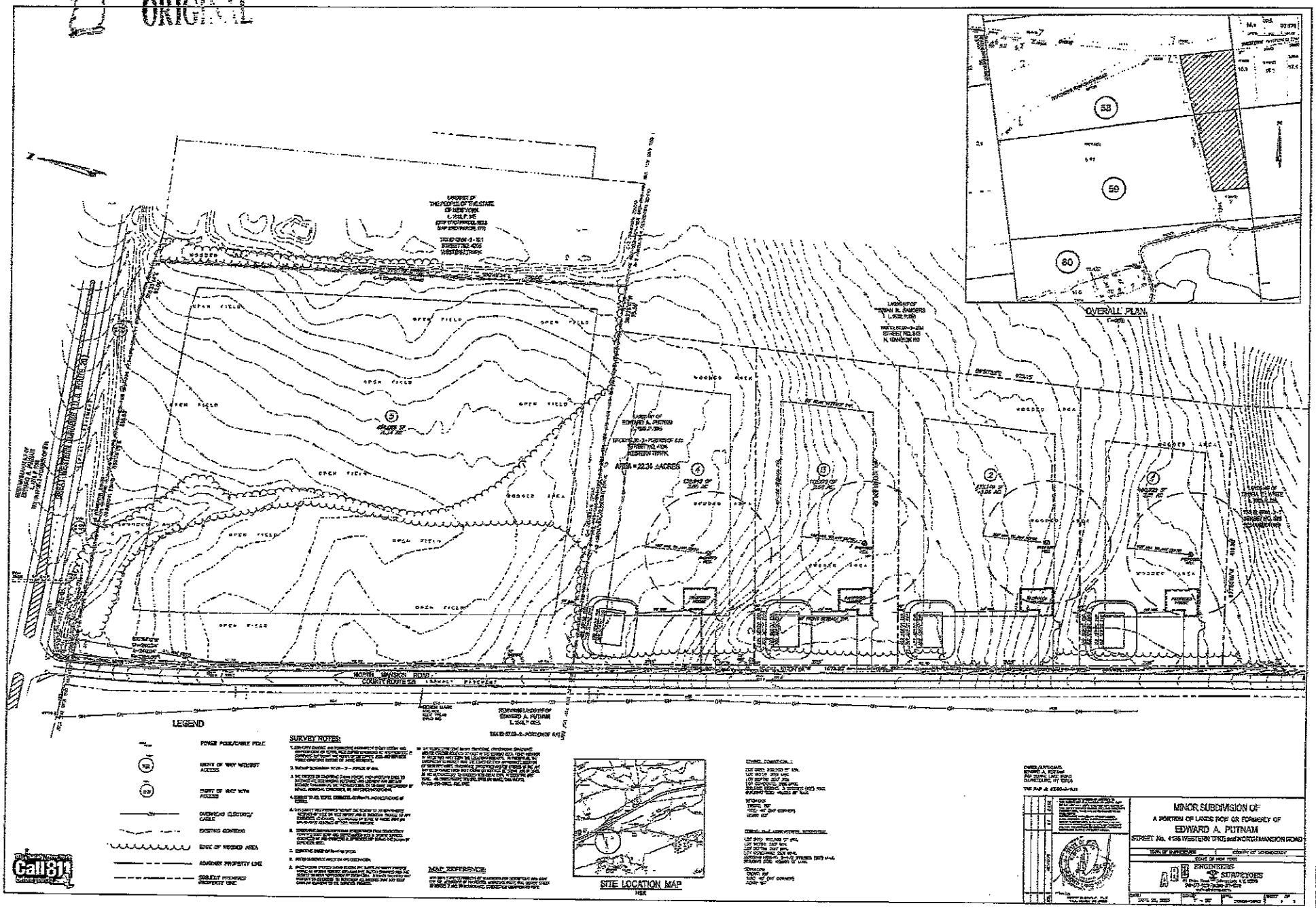
Regional Permit Administrator
New York State Department
of Environmental Conservation
Region 4 Headquarters
1130 North Westcott Road
Schenectady, New York 12306

Director, Technical Preservation Services Bureau
NYS Parks, Recreation & Historic Preservation
Peebles Island State Park
PO Box 189
Waterford, New York 12188-0189

Director of Engineering
Schenectady County DPW
100 Keller Ave
Schenectady, NY 12306

Schenectady County Health
107 Nott Terrace, Suite 306
Schaffer Heights
Schenectady, NY 12308

ORIGINAL


OVERALL PLAN
LEGEND
SURVEY NOTES:
SITE LOCATION MAP
MAP REFERENCE:
MINOR SUBDIVISION OF
A PORTION OF LANDS NOW OR FORMERLY OF
EDWARD A. PUTNAM
SITUATE No. 4136 WESTERN TPKE and NORTH MANSION ROAD
TOWN OF SHAFTSBURY
COUNTY OF RENSSELAER
STATE OF NEW YORK
ENGINEERS
SURVEYORS
Call 811
Before You Dig

NOTICE OF DETERMINATION
of the Town of Duanesburg

Date of Determination 11/1/23

Application of JOHN + IRENE DERGOSITS under ~~section~~ LOCAL LAW #2 of 2016 of the (Village of Delanson/~~Town of Duanesburg~~) SUBDIVISION Ordinance.

Applicant JOHN + IRENE DERGOSITS
Address 863 TURNPIKE RD
DELANSON N.Y.

Phone _____ Zoning District R-2 SBL# 65.00-2-29

Description of
Project: ADJUST SOUTH LOT LINE, SECTION BEING SOLD TO NEIGHBOR

Determination:
PLANNING BOARD FOR LOT LINE ADJUSTMENT

Reason supporting determination:
LOCAL LAW #2 OF 2016 SUBDIVISION ORDINANCE UNDER SECTION LOT LINE ADJUSTMENT.

Action: Refer to PLANNING BOARD **for the purpose of** LOT LINE ADJUSTMENT

Code Enforcement Officer: Christopher Parker

APPLICATION FOR THE PLANNING BOARD Revised 04/12/2017
TOWN OF DUANESBURG
**********FOR OFFICE USE ONLY**********

ORIGINAL

CHECKLIST OF REQUIRED INFORMATION:

- ☒ Title of drawing.
- ☒ Tax Map ID #
- ☒ Zoning district
- ☒ Current Original Deed
- ☒ NYS Survey (L.S. & P.E.)
- ☒ North Arrow, scale (1"=100'),
- ☒ Boundaries of the property plotted and labeled to scale.
- ☒ School District/Fire District
- ☒ Green area/ landscaping
- ☒ Existing watercourses, wetlands, etc.
- ☒ Contour Lines (increments of 10ft.)
- ☒ Easements & Right of ways
- ☒ Abutting Properties Wells/ Sewer Systems within 100ft.
- ☒ Well/ Water system
- ☒ Septic system: Soil investigation completed?
- ☒ Sewer System: Which district?
- ☐ Basic SWPPP (1≥ & <5)
- ☐ Full Storm Water Control Plan (5acres or more)
- ☐ Storm Water Control Plan
- ☒ Short or long EAF *www.dec.ny.gov/eafmapper/*
- ☐ Street pattern: Traffic study needed?
- ☐ All property Mergers REQUIRE both owners Signatures on the Application

Additional Requirements for Special Use Application:

- ☒ New or existing building
- ☒ Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date 10/30/2023

Application type: ☐ Major Subdv ☐ Minor Subdv ☐ Special Use Permit ☐ Site/ Sketch Plan Review ☒ LotLine Adjust

Proposal: Provide 0.08 acres to Martin's to eliminate their encroachment on my property

_____ Section _____ of _____ Ordinance.

Present Owner: John R. and Irene Dorgosits (AS APPEARS ON DEED!!)
Address: 863 Turnbull Road Delanson Zip code: 12053
Phone # (required) 518/895-8402

Applicants Name (if different): _____ hone# (required) _____
Location of Property (if different from owners) _____
Tax Map # 65-2-29 Zoning District R-2

_____ _____
Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!)

LANDS CONVEYED TO (REQUIRED FOR MERGERS) _____
Signature of receiving Property Owner _____(AS APPEARS ON DEED!!)

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant herby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

_____ Date 10/30/2023
Signature of Owner(S) and/or Applicant(S)

ALL APPLICATION FEES ARE NON-REFUNDABLE!

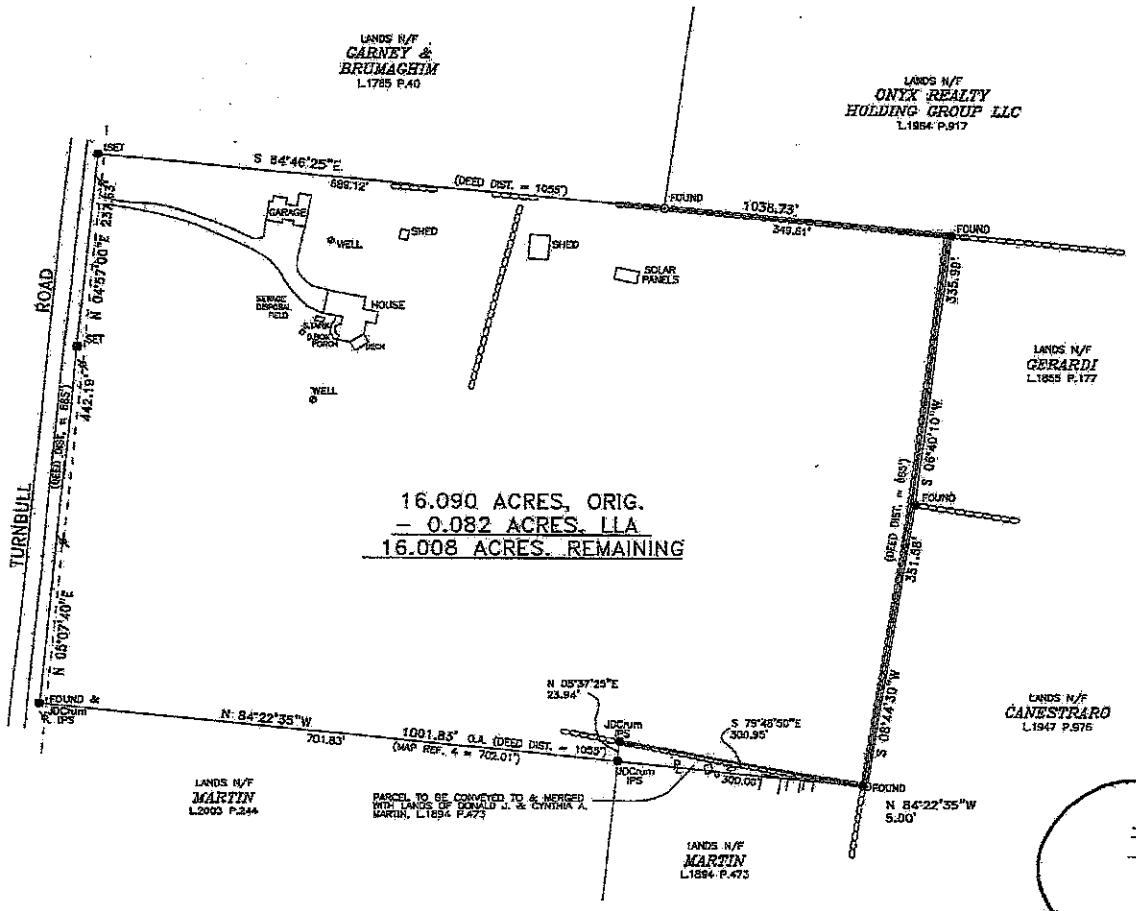
(For office use only)

Application fee paid: _____ Check# _____ Reviewed By_____ Date_____

☐ Approved ☐ Disapproved ☐ Refer to Code Enforcement Section _____ of _____ Ordinance

Planning Commission Comments: _____

_____ _____ _____ _____
Planning Chairperson Date Code Enforcement Date



N

W E

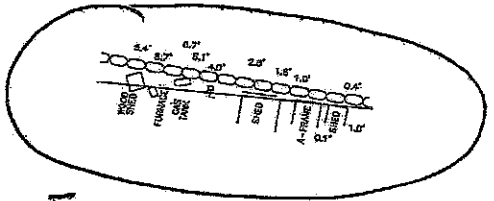
ORIGINAL

NOTES:

1. SURVEYED AS DESCRIBED IN BOOK OF DEEDS 1375 AT PAGE 60.
2. SUBJECT TO ANY EASEMENTS OR RIGHTS OF WAY OF RECORD.
3. SUBJECT TO ANY RIGHT, TITLE, OR INTEREST THE PUBLIC MAY HAVE IN LANDS HEREIN SURVEYED CONTAINED WITHIN THE BOUNDS OF TURNBULL ROAD.
4. THE LOCATION OF UNDERGROUND IMPROVEMENTS OR APPURTENANCES, IF ANY EXIST OR ARE SHOWN HEREON, ARE NOT CERTIFIED.
5. THE OFFSETS OR DIMENSIONS SHOWN HEREON, FROM THE PROPERTY LINE TO BUILDINGS, ARE FOR BUILDING CLEARANCE AND LOCATION, AND ARE NOT INTENDED TO MONUMENT THE PROPERTY LINES OR TO GUIDE THE ERECTION OF FENCES, ADDITIONAL STRUCTURES, OR ANY OTHER IMPROVEMENTS.
6. THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF AN UP-TO-DATE ABSTRACT OF TITLE OR TITLE REPORT, AND IS SUBJECT TO ANY STATEMENT OF FACTS THAT SUCH ABSTRACT OR REPORT MAY DISCLOSE.

MAP REFERENCES:

1. PARCEL TAX MAP I.D. NUMBER 65.00-02-29.
2. MAP ENTITLED "PROPOSED PROPERTY LINE BOUNDARY FOR LANDS OF RAYMOND E. & DARLENE L. ENGLEBERT & DONALD A. & DALE M. VAN STEELE", TOWN OF DUANESBURG, SCHENECTADY COUNTY, STATE OF NEW YORK, DATED: 7/6/76, AS PREPARED BY RICHARD A. ELLIOTT, P.E.S.
3. MAP ENTITLED "LANDS OF GEORGE W. MARTIN & JOAN L. MARTIN, TOWN OF DUANESBURG, SCHENECTADY CO.", SEWAGE DISPOSAL SYSTEM FILED IN THE SCHENECTADY COUNTY CLERK'S OFFICE IN BOOK OF DEEDS 1488 AT PAGE 276.
4. MAP ENTITLED "A SURVEY AND LOT LINE ADJUSTMENT FOR DONALD J. AND AND CYNTHIA A. MARTIN, AND STEVEN C. MARTIN AND MICHAEL J. MARTIN" TOWN OF DUANESBURG, SCHENECTADY COUNTY, N.Y., DATED 09 AUGUST 2023, AS PREPARED BY JOANNE DARCY DRUM, L.S.



Encroachment

Preliminary Map of Dergosits property

DATE	REVISION
08/31/23	JDC Map, Misc.
09/31/23	Misc.

SURVEY & LOT LINE ADJUSTMENT MAP OF LANDS OF
JOHN R. DERGOSITS
AND DENA DERGOSITS
TOWN OF DUANESBURG
SCHENECTADY COUNTY
STATE OF NEW YORK

DATE: 04/20/23
SCALE: 1" = 100'
PROJECT No.: 23001
DRAWN: jad
CHECKED:

JOHN C. DeMIS, P.E. & P.L.S.
81 KNOX-GALLUPVILLE ROAD
BERNE, NEW YORK 12023
518 – 872 – 2587

LICENSE No. 049767

DRAWING No. C-23001

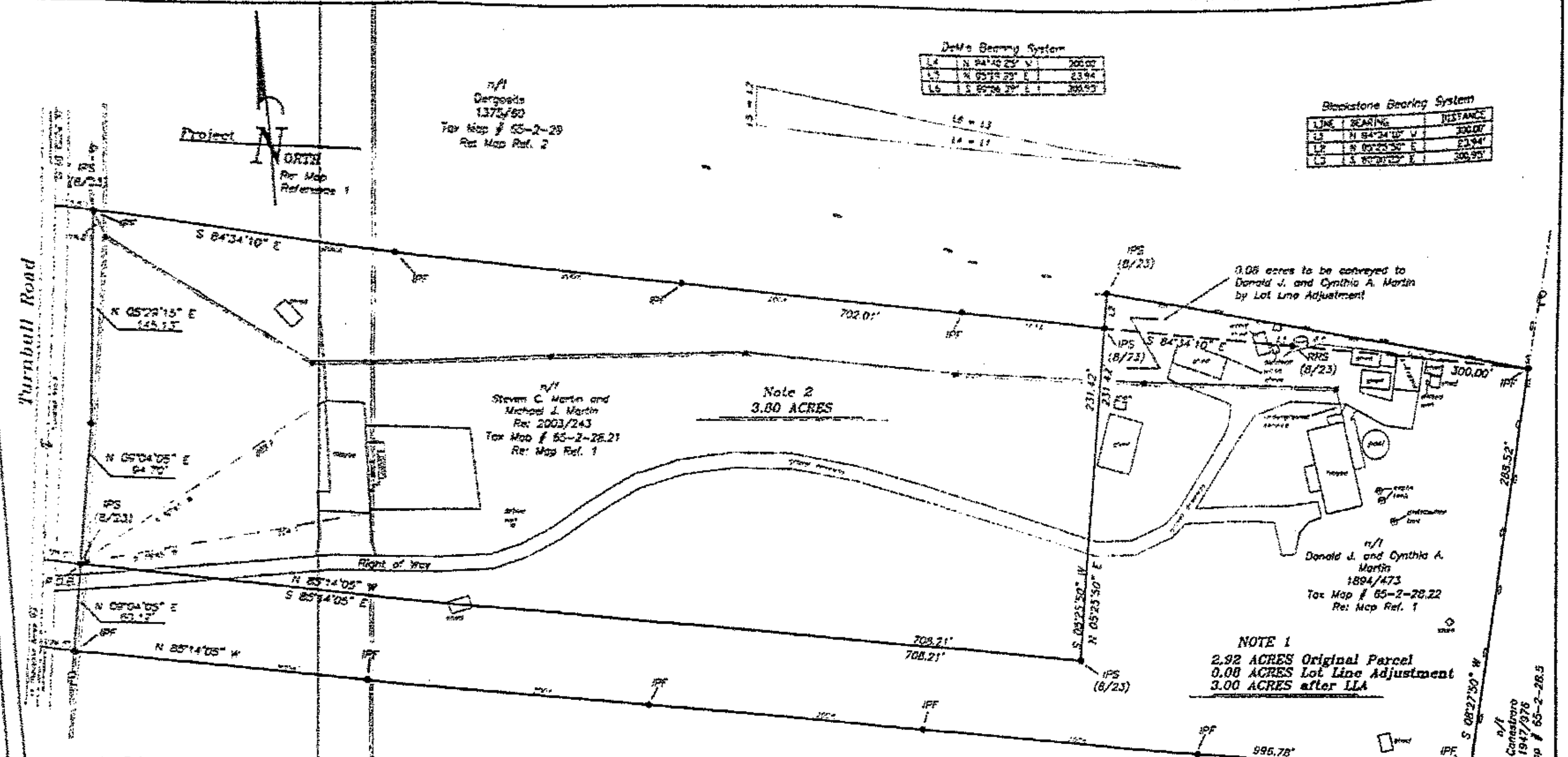
LEGEND

- ANGLE POINT
- IRON PIN
- IRON PIPE
- WIRE FENCE
- STONE WALL
- OVERHEAD UTILITIES

CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE OF LAND SURVEYORS ADOPTED BY THE N.Y.S. ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY WAS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY, AND LENDING INSTITUTION LISTED HEREON. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE NEW YORK STATE EDUCATION LAW. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED VALID COPIES

ORIGINAL



DeMis Bearing System

L4	N 84°40'25" W	300.00'
L5	N 05°19'23" E	23.94
L6	S 85°06'29" E	300.93'

Blackstone Bearing System

LINE	BEARING	DISTANCE
L1	N 84°34'10" W	300.00'
L2	N 05°25'50" E	23.94'
L3	S 85°20'22" E	300.95'

Map References

1. Map and Survey for George W. and Joan L. Martin by Mark C. Blackstone, P.L.S. dated 7/22/88, unfiled.

2. Map and Survey for John R. and Irene Dergosits by John C. DeMis, P.E., P.L.S. bearing date 4/20/23, unfiled

NOTE 1

The lands of Donald J. and Cynthia A. Martin Recorded in Book 1894 of Deeds at Page 473. A portion of the lands of John R. and Irene Dergosits Recorded in Book 1375 of Deeds at Page 60 to be conveyed to Donald J. and Cynthia A. Martin by Lot Line Adjustment.

NOTE 2

The lands of Steven C. Martin and Michael J. Martin Recorded in Book 2003 of Deeds at Page 243.

LEGEND

IPS	Iron Pin Set, a 5/8" x 30" steel rod with yellow cap tagged "LD CRUM"		
IPF	Iron Pin Found		
℄	Centerline	PL	Approximate Property Line
	Utility Pole & Lines		Stone Wall
RRS	Railroad Spike Set		Chain Link Fence
P.O.B.	Point of Beginning		

Unauthorized alteration or addition to this survey map is a violation of section 7209 (2) of the New York State Education Law
Joanne Darcy Crum, L.S.

* Including any & all rights & privileges to the centerline of Turnbull Road as the same may exist and as the same may apply.

* Subject to any & all rights & privileges to the lands lying within the right of way of Turnbull Road as the same may exist and as the same may apply.

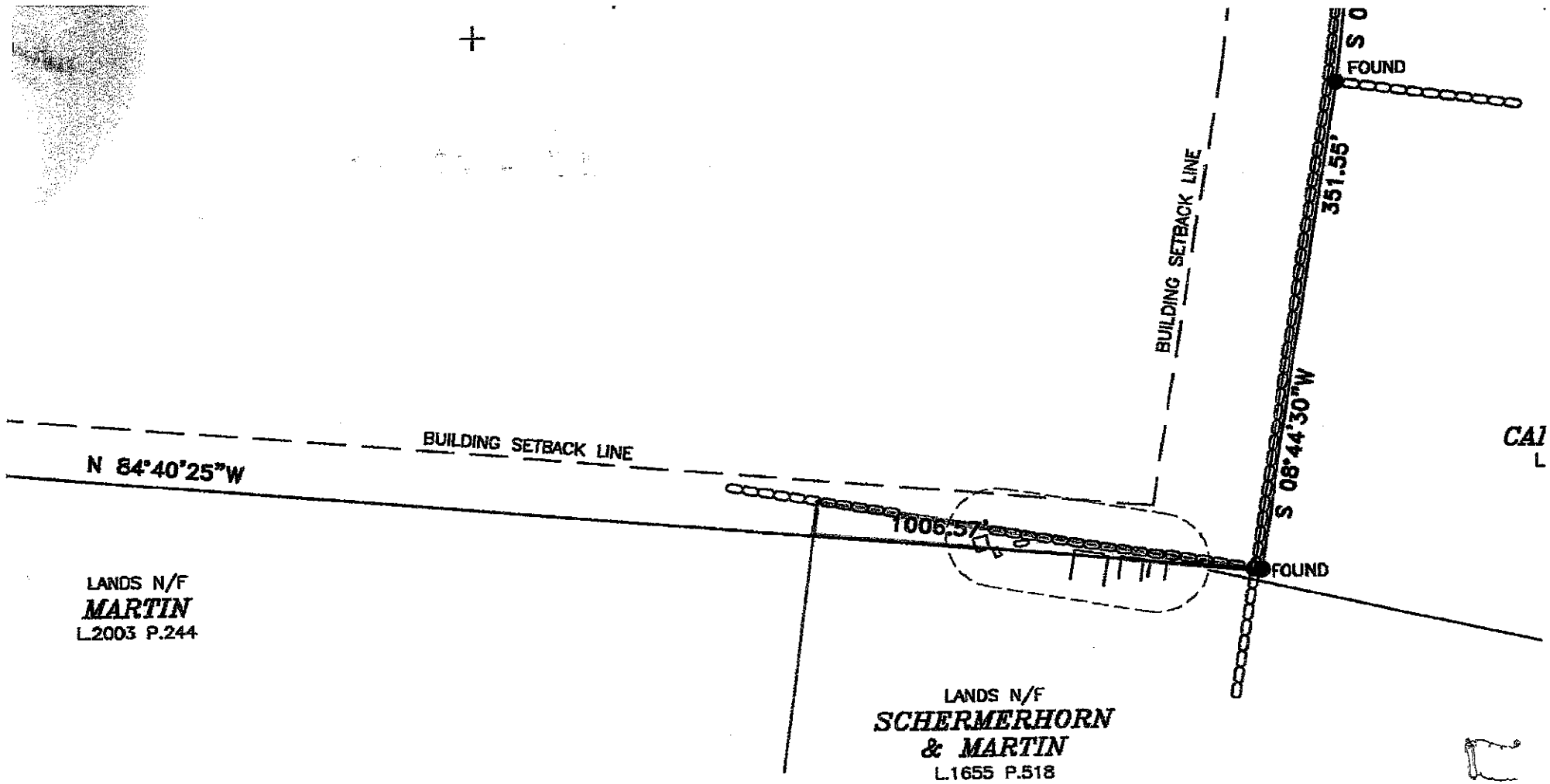
* Subject to any & all rights & privileges granted to utility companies as the same may exist and as the same may apply.

* Including and subject to any and all rights, privileges, easements, restrictions, conditions or covenants of record, including but not limited to rights described in 1488/277, 1488/279, 1894/473 and 2003/243 as the same may exist and as the same may apply.

50' 0' 50' 100'
Scale

APPROVED
TOWN OF DUANESBURG
LOT LINE ADJUSTMENT/MINOR SUBDIVISION
AUTHORIZED SIGNATURE [signature] 9/14/23

A Survey and Lot Line Adjustment For
Donald J. and Cynthia A. Martin. and Steven C. Martin and Michael J. Martin
Town of Duanesburg
County of Schenectady State of New York
Scale 1" = 50.00' 09 August 2023
Joanne Darcy Crum, L.S. 49673
Cobleskill, New York 12043
[signature]
Map A/15/23



ZONING DISTRICT INFORMATION:
R—2, AGRICULTURAL & RESIDENTIAL

LOT SIZE, Minimum	100,000 SQ. FT.
LOT WIDTH, Minimum	200 FT.
LOT DEPTH, Minimum	200 FT.
LOT COVERAGE, Maximum	25%
FRONT SETBACK, Minimum	80 FT.
SIDE SETBACK, Minimum	40 FT.
REAR SETBACK, Minimum	80 FT.
BUILDING HEIGHT, Max.	2.5 STORIES or 35 FT.

OWNER:
JOHN R. and IRENE DERGOSITS
863 TURNBULL ROAD
DELANSON, NY 12053

TOWN OF DUANESBURG APPROVAL

ORIGINAL

ORIGINAL

Proposed Deed Description of a portion of Lands of John R. and Irene Dergosits To be conveyed and merged with Lands of Donald J. and Cynthia A. Martin

Beginning at an iron pin found at the northeasterly corner of Lands of Martin (L.1894 P.476) and running thence along Lands of said Martin N 84°22'35"W 300.00' to a J. D. Crum capped iron pin;
Thence the following 2 courses through Lands of Dergosits (L.1375 P.60)

1. N 05°37'25"E 23.94' to a J. D. Crum capped iron pin;
2. S 79°48'50"E 300.95' to the point or place of beginning.

Said parcel contains 0.082 Acres of Land.

23001LLADesc

NOTICE OF DETERMINATION
of the Town of Duanesburg

Date of Determination 12/5/23

Application of LREA Lot LLC / Ralph Thomas under section 9.4 (17) of the (Village of Delanson/Town of Duanesburg) Zoning Ordinance.

Applicant LREA Lot LLC / Ralph Thomas
Address 6740 Western Turnpike
Duanesburg N.Y. 12056

Phone _____ Zoning District H SBL# 67.05-1-8.1

Description of Project: Flea Market - Farmers Market

Determination:
Special use Needed

Reason supporting determination:
Town of Duanesburg Zoning Ordinance Adopted 6/11/15
Section 9.4 (17) Uses Permitted By Special Use Permit
"Shopping Center"

Action: Refer to Planning Board **for the purpose of** Special use

Code Enforcement Officer: Clifton Parker

APPLICATION FOR THE PLANNING BOARD Revised 04/12/2017
TOWN OF DUANESBURG
**********FOR OFFICE USE ONLY**********

CHECKLIST OF REQUIRED INFORMATION:

- ☒ Title of drawing.
- ☒ Tax Map ID #
- ☒ Zoning district
- ☒ Current Original Deed
- ☒ NYS Survey (L.S. & P.E.)
- ☒ North Arrow, scale (1"=100'),
- ☒ Boundaries of the property plotted and labeled to scale.
- ☒ School District/Fire District
- ☒ Green area/ landscaping
- ☒ Existing watercourses, wetlands, etc.
- ☒ Contour Lines (increments of 10ft.)
- ☒ Easements & Right of ways
- ☒ Abutting Properties Wells/ Sewer Systems within 100ft.
- ☒ Well/ Water system
- ☒ Septic system: Soil investigation completed?
- ☒ Sewer System: Which district?
- ☐ Basic SWPPP (1≥ & <5)
- ☐ Full Storm Water Control Plan (5acres or more)
- ☐ Storm Water Control Plan
- ☒ Short or long EAF www.dec.ny.gov/eafmapper/
- ☐ Street pattern: Traffic study needed?
- ☐ All property Mergers REQUIRE both owners Signatures on the Application

Additional Requirements for Special Use Application:

- ☒ New or existing building
- ☒ Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date 8-23-2023

Application type: ☐ Major Subdv ☐ Minor Subdv ☒ Special Use Permit ☐ Site/ Sketch Plan Review ☐ LotLine Adjust

Proposal: Flea Market - farmers Market

_____ Section _____ of _____ Ordinance.

Present Owner: ~~Luis Patino~~ LREA LOT, LLC (AS APPEARS ON DEED!!)

Address: 5140 Western Turnpike Zip code: 12056

Phone # (required) 518 2313081

Applicants Name (if different): Ralph Thomas Phone# (required) 607-206-4704

Location of Property (if different from owners) _____

Tax Map # 67.05-1-8.1 Zoning District H3

_____ _____

Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!)

LANDS CONVEYED TO (REQUIRED FOR MERGERS) _____

Signature of receiving Property Owner _____ **(AS APPEARS ON DEED!!)**

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant herby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

_____ Date 8-23-2023

Signature of Owner(S) and/or Applicant(S)

ALL APPLICATION FEES ARE NON-REFUNDABLE!

(For office use only)

Application fee paid: _____ Check# _____ Reviewed By_____ Date_____

☐ Approved ☐ Disapproved ☐ Refer to Code Enforcement Section _____ of _____ Ordinance

Planning Commission Comments: _____

_____ _____ _____ _____

Planning Chairperson Date Code Enforcement Date

TOWN OF DUANESBURG Application# 23-29

Agricultural Data Statement Date: 8-23-2023

Instructions: 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 a subdivision approval requiring municipal review and approval 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.

Applicant	(K) Owner if Different from Applicant
Name: Ralph Thomas Address: 883 Smith Rd. Worcester, NY 12197	Name: LREA LOT, LLC 6140 WESTERN TPKE P.O BOX 09 Duanesburg NY 12056

1. Type of Application: (Special Use Permit) Site Plan Approval; Use Variance; Area Variance; Subdivision Approval (circle one or more)
2. Description of proposed project:
   Flea Market - Farmers Market
3. Location of project: Address: Duanesburg Diner - 5156 Western Turnpike Duanesburg
   Tax Map Number (TMP) 67.05-1-8.1
4. Is this parcel within an Agricultural District? YES (NO) (Check with your local
5. If YES, Agricultural District Number _____ assessor if you do not know.)
6. Is this parcel actively farmed? YES (NO)
7. List all farm operations within 500 feet of your parcel. Attach additional sheet if necessary.

NAME: _____ ADDRESS: _____ Is this parcel actively farmed? YES (NO)	NAME: _____ ADDRESS: _____ Is this parcel actively farmed? YES NO
NAME: _____ ADDRESS: _____ Is this parcel actively farmed? YES NO	NAME: _____ ADDRESS: _____ Is this parcel actively farmed? YES NO

Signature of Applicant

Signature of Owner (if other than applicant)

Reviewed by: _____ _____
Dale R. Warner Date

Revised 4/4/17

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.

NOTE TO REFERRAL AGENCY: County Planning Board review is required. A copy of the Agricultural Data Statement must be submitted along with the referral to the County Planning Department.

Rt 20
Rt 7
Rt 7
Rt 7
Depot St
Rt 20
Parking For Flea market
Antique Store
Parking For Antique Store
Rd way
Farmers Market
25 vendors every 10 ft
Parking For Diner
Parking for vendors every 10 ft
30 vendors
Flea market
30 vendors
Parkings
Parkings
Parking for Diner
Diner
Rd way to Parking Lot
Rt 20

8-23-2023

I Luis Pastor, gire Ralph Thoms to represent me and file this application for a Flea Market - Farmes Market. I also gire permission for the Town of Duanesburg to walk the site at 5156 Western Turnpike, Duanesburg.

LREA Lot, LLC
Owner

8-23-2023
Date

Untitled Map

December 7, 2023

1:2,107

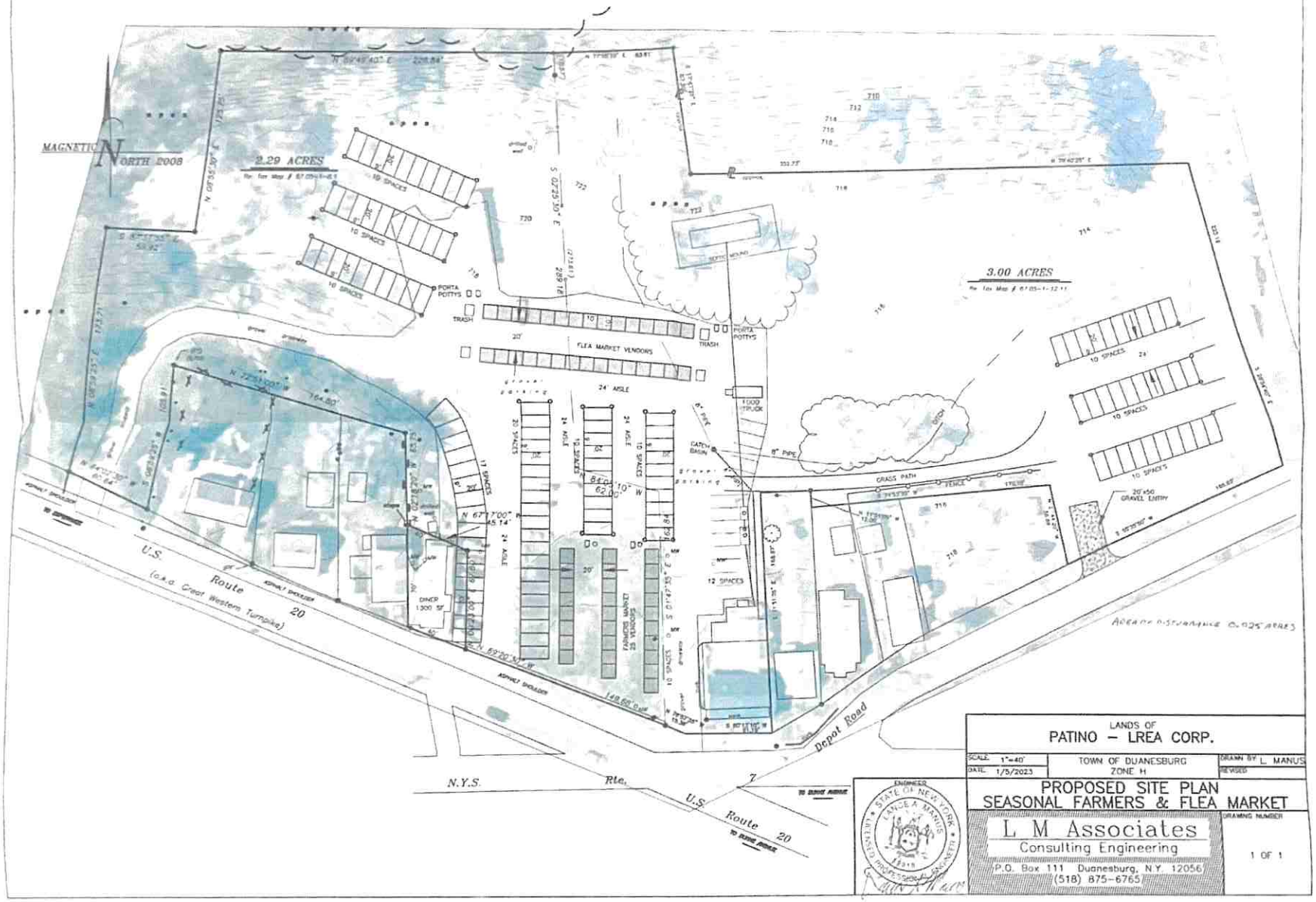
0 0.01 0.03 0.05 mi

0 0.02 0.04 0.08 km

Override 1

Parcels

NYS ITS Geospatial Services



LANDS OF
PATINO – LREA CORP.

SCALE: 1"=40'	TOWN OF DUANESBURG ZONE H	DRAWN BY: L. MANUS
DATE: 1/5/2023		REVISED

PROPOSED SITE PLAN
SEASONAL FARMERS & FLEA MARKET

LANCE A. MANUS
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK
49918

L M Associates
Consulting Engineering
P.O. Box 111 Duanesburg, N.Y. 12056
(518) 875-6765

DRAWING NUMBER
1 OF 1

NOTICE OF DETERMINATION
of the Town of Duanesburg

Date of Determination 11/13/23

Application of Susan Biggs under ~~section~~ Local Law #2 of 2016 of the (Village of Delanson/ Town of Duanesburg) Subdivision Ordinance.

Applicant Susan Biggs
Address P.O. Box 1100
Quaker St. N.Y. 12141

Phone 720-272-0956 Zoning District R-2 SBL# 74.00-3-16.3

Description of Project: Adjust Lot Line to make one Parcel of 2 Bigger and one Smaller

Determination:
Lot Line Adjustment

Reason supporting determination:
Town of Duanesburg Local Law #2 of 2016, Section 4 Lot Line Adjustment; The Relocation or Revision of the Boundary Line of a Lot to change the area of said Lot and of an existing adjacent Lot or Lots, and which does not create any additional number of Lots

Action: Refer to Planning Board **for the purpose of** Lot Line Adjustment

Code Enforcement Officer: Christopher Potter

APPLICATION FOR THE PLANNING BOARD Revised 04/12/2017
TOWN OF DUANESBURG
*************FOR OFFICE USE ONLY**************

CHECKLIST OF REQUIRED INFORMATION:

- ☒ Title of drawing.
- ☒ Tax Map ID #
- ☒ Zoning district
- ☒ Current Original Deed
- ☒ NYS Survey (L.S. & P.E.)
- ☒ North Arrow, scale (1"=100').
- ☒ Boundaries of the property plotted and labeled to scale.
- ☒ School District/Fire District
- ☒ Green area/ landscaping
- ☒ Existing watercourses, wetlands, etc.
- ☒ Contour Lines (increments of 10ft.)
- ☒ Easements & Right of ways
- ☒ Abutting Properties Wells/ Sewer Systems within 100ft.
- ☒ Well/ Water system
- ☒ Septic system: Soil Investigation completed?
- ☒ Sewer System: Which district?
- ☐ Basic SWPPP (1≥ & <5)
- ☐ Full Storm Water Control Plan (5acres or more)
- ☐ Storm Water Control Plan
- ☒ Short or long EAF www.dec.ny.gov/eafmapper/
- ☐ Street pattern: Traffic study needed?
- ☐ All property Mergers REQUIRE both owners Signatures on the Application

Additional Requirements for Special Use Application:

- ☒ New or existing building
- ☒ Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date 11/7/23

Application type: ☐ Major Subdv ☐ Minor Subdv ☐ Special Use Permit ☐ Site/ Sketch Plan Review ☒ LotLine Adjust
Proposal: Relocate property line between Briggs parcels to put drive & access on same lot as house & barns. See mapping Re
Section ______ of ______ Ordinance. 74-3-18 & 74-3-16.3

Present Owner: Susan Briggs (AS APPEARS ON DEED!!)
Address: PO box 160 Quaker St Zip code: 12141
Phone # (required) 720-372-6956

Applicants Name (If different): JDCRUM Phone# (required) 518-234-4650
Location of Property (If different from owners)
Tax Map # 74-3-18 Zoning District Ag Residential
74-3-16.3

Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!)
LANDS CONVEYED TO (REQUIRED FOR MERGERS) Susan Lin Briggs
Signature of receiving Property Owner Susan Lin Briggs (AS APPEARS ON DEED!!)

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant herby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

Jenna Daley Crum, L.S. Eng Date 11/7/23
Signature of Owner(S) and/or Applicant(S)

ALL APPLICATION FEES ARE NON-REFUNDABLE!

(For office use only)
Application fee paid: ______ Check# ______ Reviewed By ______ Date ______

☐ Approved ☐ Disapproved ☐ Refer to Code Enforcement Section ______ of ______ Ordinance

Planning Commission Comments: ______________________

Planning Chairperson ______ Date ______ Code Enforcement ______ Date ______

ZONING COORDINATION REFERRAL

SCHENECTADY COUNTY DEPT. OF ECONOMIC DEVELOPMENT & PLANNING

Recommendations shall be made within 30 days after receipt of a full statement of the proposed action.

For Use By SCDEDP

Received 11-28-23
Case No. D-27-23
Returned 12-6-23

FROM: ☐ Legislative Body
☐ Zoning Board of Appeals
☑ Planning Board

Municipality: Town of Duanesburg

TO: Schenectady County Department of Economic Development and Planning
Schaffer Heights, 107 Nott Terrace, Suite 303
Schenectady, NY 12308

(tel) Schenectady County
(fax) 382-5539

Received
NOV 28 2023
Economic Development and Planning Dept.

ACTION:
☐ Zoning Code/Law Amendment
☐ Zoning Map Amendment
☐ Subdivision Review
☐ Site Plan Review
☐ Special Permit
☐ Use Variance
☐ Area Variance
☑ Other (specify) Lot Line Adjustment

PUBLIC HEARING OR MEETING DATE: 12/21/2023

SUBJECT: #23-28 Biggs, Susan: SBL# 74.00-3-16.3, (R-2) located at 13388 Duanesburg Rd is seeking a lot line adjustment under Local Law #2 of 2017 of the Town of Duanesburg Subdivision

REQUIRED ENCLOSURES:
1. Public hearing notice & copy of the application.
2. Map of property affected. (Including Tax Map I.D. number if available)
3. Completed environmental assessment form and all other materials required by the referring body in order to make its determination of significance pursuant to the state environmental quality review act.

1. This zoning case is forwarded to your office for review in compliance with Sections 239-l, 239-m and 239-n of Article 12-B of the General Municipal Law, New York State.

2. This material is sent to you for review and recommendation because the property affected by the proposed action is located within 500 feet of the following:

☐ the boundary of any city, village or town;
☐ the boundary of any existing or proposed County or State park or other recreation area;
☑ the right-of-way of any existing or proposed County or State parkway, thruway, expressway, road or highway;
☐ the existing or proposed right-of-way of any stream or drainage channel owned by the County or for which the County has established channel lines;
☐ the existing or proposed boundary of any County or State-owned land on which a public building or institution is situated;
☐ the boundary of a farm operation located in an agricultural district, as defined by Article 25-AA of the agriculture and markets law. The referral requirement of this subparagraph shall not apply to the granting of area variances.

SUBMITTED BY:

Name: Coryn VanDeusen Title: Planning/Zoning/Building Clerk

Address: 5853 Western Turnpike Duanesburg, NY 12056

E-mail: cvandeusen@duanesburg.net Phone: (518) 895-2040

Coryn VanDeusen
Signature

Date: 11/14/23

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DEC 8 2023
TOWN OF DUANESBURG
TOWN CLERK

PLANNING & ZONING COORDINATION REFERRAL

Case No. D-27-23 Applicant Susan Biggs

Referring Officer Coryn VanDeusen Municipality Duanesburg

Considerations: Regarding two adjoining properties of 91 acres and 22 acres, requesting a lot line adjustment to expand the 22 acre parcel to approximately 40 acres and reduce the 91 acre parcel to approximately 73 acres. Located on the northwesterly corner of the Youngs Road/Duanesburg Rd. (SR 7) intersection approximately 1.5 miles east of SR 30.

RECOMMENDATION

Receipt of zoning referral is acknowledged on November 28, 2023. Please be advised that the undersigned Commissioner of Economic Development and Planning of the County of Schenectady (having under the Schenectady County Charter the powers and duties of a County Planning Board) has reviewed the proposed action stated on the opposite side of this form and makes the following recommendations:

☐ ***Approve of the proposal.**

☑ **Defer to local consideration (No significant county-wide or inter-community impact)**

☐ **Modify/Conditionally Approve**. Conditions:

☐ **Advisory Note:**

☐ **Disapprove**. Reason:

*A recommendation of approval should not be interpreted that the County has reviewed all local concerns and/or endorses the project; rather the proposed action has met certain County considerations.

Section 239-m of the general Municipal Law requires that within 30 days after final action, the referring body shall file a report of the final action it has taken with the Schenectady County Department of Economic Development and Planning. A referring body which acts contrary to a recommendation of modification or disapproval of a proposed action shall set forth the reasons for the contrary action in such report.

12/4/23
Date

Ray Gillen /SPK
Ray Gillen, Commissioner
Economic Development and Planning

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TOWN OF DUANESBURG

APPLICATION FOR SITE/ SKETCH DEVEOPMENT PLAN APPROVAL

Preliminary ☐ Date: April 11, 2022 **Final** ☐ Date: _____
(Check appropriate box)

Name of proposed development Lot line change on tax id 74.00-3-18 and 74.00-3-16.3

Applicant:
Name Susan L. Biggs - power of attorney Lynne Bruning
Address PO Box 160
Quaker Street, NY 12141
Telephone 720-272-0956

Plans Prepared by:
Name _____
Address _____
_____
Telephone _____

Owner (if different):
Name Same
Address _____
_____
Telephone _____

(if more than one owner, provide information for each)

Ownership intentions, i.e., purchase options
Resolve problematic driveway easement

Location of site 13388 Duanesburg Road, Delanson, Schenectady County NY 12053
Tax id 74.00-3-18 and 74.00-3-16.3

Section 74.00 / 74.00 Block 3 / 3 Lot 18 / 16.3

Current zoning classification 74.00-3-18 Rural Residential and 74.00-3-16.3 Rural Vacant

State and federal permits needed (list type and appropriate department)
Not Applicable

Proposed use(s) of site Same use Tax id 74.00-3-18 is 91 acres
Tax id 74.00-3-16.3 is 22 acres

Total site area (square feet or acres) 113 acres

Anticipated construction time no construction

Will development be phased? no construction

Over →

Current land use of site (agricultural, commercial, underdeveloped, etc.)
74.00-3-18 is residence on 91 acres and 74.00-3-16.3 is vacant land on 22 acres

Current condition of site (buildings, brush, etc.) 74.00-3-18 is residence and five outbuildings on 91 acres with mowed walking paths, federal NWI spring fed pond and forest
74.00-3-16.3 is vacant land on 22 acres is woods

Character of surrounding lands (suburban, agricultural, wetlands, etc.) _____

Estimated cost of proposed improvement $ 0

Anticipated increase in number of residents, shoppers, employees, etc. (as applicable)
0

Describe proposed use, including primary and secondary uses; ground floor area; height; and number of stories for each building:

- for residential buildings include number of dwelling units by size (efficiency, one-bedroom, two-bedroom, three or more bedrooms) and number of parking spaces to be provided.
- For non-residential buildings, include total floor area sales area; number of automobile and truck parking spaces,
- Other proposed structures.

(Use separate sheet if needed)

No construction

to the north is 70 acres of agricultural hay to the north on parcel 74.00-3-19

to the south are three single family homes on parcels 74.00-3-15.1, 74.00-3-17 and 74.00-3-16.121.

to the east is Youngs Road and 90 acres of agricultural hay on parcel 74.00-3-14

to the west is 82.2 acres of DEC wetlands and a National Wetland Inventory riverine that drains north to a tributary of Schoharie Creek on parcels 74.00-2-5.1 and 74.00-25.2

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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:
Biggs Lot Line Adjustment

Project Location (describe, and attach a location map):
Tax Map #'s 74.00-3-16.3 and 74.00-3-18 13386 Duanesburg Road

Brief Description of Proposed Action:
Move lines of above mentioned tax parcels to resolve driveway and utility easement issues.

Name of Applicant or Sponsor:	Telephone: 518-234-4650
Susan L. Biggs by the Office of Joanne Darcy Crum, L.S.	E-Mail: jdcrum@hotmail.com

Address:
479 West Main Street

City/PO:	State:	Zip Code:
Cobleskill	NY	12043

	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: NYS Dot, Schenectady County Planning, Duanesburg Planning Board	☐	☑

3. a. Total acreage of the site of the proposed action? 113 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? 113 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:
   ☐ Urban ☑ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☐ Residential (suburban)
   ☑ Forest ☑ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

	NO	YES	N/A
5. Is the proposed action, RECEIVED APR 11 2022			
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:	☑	☐

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

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

	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?	☑	☐
1996 Sears Archeological Study filed with NYS History Museum and transferred to the New York State Office of Parks Recreation and Historic Preservation		
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: _____ NYS DEC Environmental Mapper shows National Wetland Inventory for Federal Freshwater Pond less than 1/2 acre on parcel 74.00-3-18. And on abutting parcel to the west with tax id 74.00-2-5.1 a NWI riverine that drains north to a tributary of the Schoharie Creek.		

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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? Northern Long-eared Bat	☐	☑
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: Susan L. Biggs by the Office of Joanne Darcy Crum, L.S. Date: 4/8/22

Signature: Joanne Darcy Crum L.S. for Susan Biggs Title: L.S.

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APR 11 2022

PRINT FORM

Agency Use Only [If applicable]

Project:	
Date:	

Short Environmental Assessment Form
Part 2 - Impact Assessment

Part 2 is to be completed by the Lead Agency.
Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?	☐	☐
2. Will the proposed action result in a change in the use or intensity of use of land?	☐	☐
3. Will the proposed action impair the character or quality of the existing community?	☐	☐
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?	☐	☐
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?	☐	☐
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?	☐	☐
7. Will the proposed action impact existing: a. public / private water supplies?	☐	☐
b. public / private wastewater treatment utilities?	☐	☐
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?	☐	☐
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?	☐	☐
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?	☐	☐
11. Will the proposed action create a hazard to environmental resources or human health?	☐	☐

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PRINT FORM

Agency Use Only [If applicable]

Project:	
Date:	

Short Environmental Assessment Form
Part 3 Determination of Significance

For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

☐ Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.

☐ Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.

Name of Lead Agency	Date
Print or Type Name of Responsible Officer in Lead Agency	Title of Responsible Officer
Signature of Responsible Officer in Lead Agency	Signature of Preparer (if different from Responsible Officer)

PRINT FORM

APR 1 1 2022

ORIG

PO Box 160
Quaker Street, NY 12141

Jeffery Schmitt, Chair
Planning Board
Town of Duanesburg
5853 Western Turnpike
Duanesburg, NY 12053

April 11, 2022

RE: Lot Line Adjustment for parcels 74.00-3-18 and 74.00-3-16.3

Dear Jeffery Schmitt,

Please be advised that the Office of Joanne Darcy Crum, L.S. Professional Land Surveyor, of Cobleskill, New York, is authorized to represent me in the proposed action currently before the board.

I also authorize my daughter, Lynne Bruning, who is my power of attorney to represent me in this action.

Please feel free to contact me if you have any questions.

Thanking you in advance for your help and cooperation.

Sincerely yours,

Susan L Biggs

Susan L. Biggs

Date April 11, 2022

Notary Lorie Webster

LORIE WEBSTER
Notary Public - State of Florida
Commission # GG 327391
My Comm. Expires Aug 16, 2023
Bonded through National Notary Assn.

Date 7 April 2022

To: Town of Duanesburg Planning Board

From: Susan L. Biggs c/o Lynne Bruning Power of Attorney

Re: Proposed Lot Line Adjustment between TM Parcels 74.00-3-16.3 and 74.00-3-18

Dear Sirs:

Please be advised that the Office of Joanne Darcy Crum, L.S., Professional Land Surveyor, of Cobleskill, New York, is authorized to represent us in the proposed action currently before the board.

Please feel free to contact me if you have any questions.

Thanking you in advance for your help and cooperation, we are,

Sincerely yours,

Lynne Bruning April 7, 2022

Susan L. Biggs by Lynne Bruning, Power of Attorney

Notary

Jill S. Thompson
Notary Public, State of NY
No. 01TH5060908, Qualified in Otsego Cty.
Commission Exp. 10/23/25

Phone 720-272-0956

OFFICE OF THE SCHENECTADY COUNTY CLERK

620 STATE STREET
SCHENECTADY, NY 12305-2114
PHONE (518) 388-4220
FAX (518) 388-4224

JOHN J. WOODWARD
COUNTY CLERK
CMC

MARYELLEN BREHM
CYNTHIA REEDY
CARA JASENSKI
JEFF MORRETTE
DEPUTY COUNTY CLERKS

Instrument Number - 201712813
Recorded On 3/22/2017 At 12:35:26 PM
* Instrument Type - DEED
* Book/Page - DEED/1959/147
* Total Pages - 4
Invoice Number - 907177 User ID: ELM
* Document Number - 2017-1259
* Grantor - BIGGS SHERIDAN C JR
BIGGS SHERIDAN C JR
* Grantee - BIGGS SUSAN LISS

*RETURN DOCUMENT TO:
COUCH WHITE
540 BROADWAY 7TH FLOOR
PO BOX 2222
ALBANY, NY 12201

* FEES

NY LAND SUR	$4.75
NY E & A FEES	$116.00
NY LAND COMP SUR	$14.25
CO GENERAL REVENUE	$45.00
CO LAND SUR	$0.25
CO E & A FEES	$9.00
CO LAND COMP SUR	$0.75
TOTAL PAID	$190.00

TRANSFER TAX
Real Estate Transfer Tax Num - 3050
Transfer Tax Amount - $ 0.00

I hereby CONFIRM that this document is
Recorded in the Schenectady County Clerk's Office
in Schenectady, New York

John J. Woodward
John J. Woodward
Schenectady County Clerk

THIS IS AN ENDORSEMENT PAGE

Do Not Detach

THIS PAGE IS NOW PART OF THIS LEGAL DOCUMENT

* - Information denoted by an asterisk may change during the verification process and may not be reflected on this page.

000JBZ

INSTRUMENT NUMBER - 201712813

FIRST. That said party of the first part is seized of the said premises in fee simple, and has good right to convey the same;

SECOND. That the party of the second part shall quietly enjoy the said premises;

THIRD. That the said premises are free from encumbrances, except as aforesaid;

FOURTH. That the party of the first part will execute or procure any further necessary assurance of the title to said premises;

FIFTH. That said party of the first part will forever warrant the title to said premises.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

THE REVOCABLE TRUST OF SHERIDAN C. BIGGS, JR., dated July 22, 2008

By: Sheridan C. Biggs, Jr.
Title: Trustee

STATE OF Florida }
} ss.:
COUNTY OF Indian River }

On the 8 day of March, in the year 2017, before me, the undersigned, personally appeared **SHERIDAN C. BIGGS, JR.**, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

ROBERTO ARANDA
Notary Public - State of Florida
My Comm. Expires Apr 29, 2018
Commission # FF 117719
Bonded Through National Notary Assn.

Notary Public

S:\DATA\Client10 14201-14500\14497\2017 Property Transfer\Deed for 74 06-3-18.docx

ORIGINAL

RECEIVED
APR 11 2022

OFFICE OF THE SCHENECTADY COUNTY CLERK

620 STATE STREET
SCHENECTADY, NY 12305-2114
PHONE (518) 388-4220
FAX (518) 388-4224

JOHN J. WOODWARD
COUNTY CLERK
CMC

MARYELLEN BREHM
CYNTHIA REEDY
CARA JASENSKI
JEFF MORRETTE
DEPUTY COUNTY CLERKS

Instrument Number - 201712816
Recorded On 3/22/2017 At 12:39:11 PM
* Instrument Type - DEED
* Book/Page - DEED/1959/151
* Total Pages - 7
Invoice Number - 907179 User ID: ELM
* Document Number - 2017-1260
* Grantor - BIGGS SHERIDAN C JR
BIGGS SHERIDAN C JR
* Grantee - BIGGS SUSAN LISS

*RETURN DOCUMENT TO:
COUCH WHITE
540 BROADWAY 7TH FLOOR
PO BOX 2222
ALBANY, NY 12201

* FEES

NY LAND SUR	$4.75
NY E & A FEES	$241.00
NY LAND COMP SUR	$14.25
CO GENERAL REVENUE	$60.00
CO LAND SUR	$0.25
CO E & A FEES	$9.00
CO LAND COMP SUR	$0.75
TOTAL PAID	$330.00

TRANSFER TAX
Real Estate Transfer Tax Num - 3051
Transfer Tax Amount - $ 0.00

I hereby CONFIRM that this document is
Recorded in the Schenectady County Clerk's Office
in Schenectady, New York

John J. Woodward
Schenectady County Clerk

THIS IS AN ENDORSEMENT PAGE

Do Not Detach

THIS PAGE IS NOW PART OF THIS LEGAL DOCUMENT

* - Information denoted by an asterisk may change during the verification process and may not be reflected on this page.

C00JC0

INSTRUMENT NUMBER - 201712816

APR 1 1 2022

ORIGINAL

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SECOND. That the party of the second part shall quietly enjoy the said premises;

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THE REVOCABLE TRUST OF SHERIDAN C. BIGGS, JR., dated July 22, 2008

By: Sheridan C. Biggs, Jr.
Title: Trustee

STATE OF Florida }
} ss.:
COUNTY OF Indian River }

On the 8 day of March, in the year 2017, before me, the undersigned, personally appeared **SHERIDAN C. BIGGS, JR.**, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

ROBERTO ARANDA
Notary Public - State of Florida
My Comm. Expires Apr 29, 2018
Commission # FF 117719
Bonded Through National Notary Assn.

Notary Public

S:\DATA\Client10 14201-14500\14492\2017 Property Transfer\Deed for 74.00-3-16.3.docx

RECEIVED
APR 11 2022

ORIGINAL

TOWN OF DUANESBURG Application#_____

Agricultural Data Statement Date: April 11, 2022

Instructions: This form must be completed for any application for a special use permit, site plan approval, use variance or a subdivision approval requiring municipal review that would occur on property within 500 feet of a farm operation located in a NYS Dept. of Ag & Markets certified Agricultural District.

Applicant	Owner if Different from Applicant
Name: Susan L. Biggs Address: PO Box 160 Quaker Street, NY 12141	Name: Susan L. Biggs PO Box 160 Quaker Street, NY 12141

1. Type of Application: ☐ Special Use Permit; ☐ Site Plan Approval; ☐ Use Variance; ☐ Area Variance; ☒ Subdivision Approval (circle one or more)
2. Description of proposed project:

Move northern lot line of tax Id parcel 74.00-3-16.3 from 800 feet north of Duanesburg Road to approximately 1,500 feet north of Duanesburg Road and to extend 74.00-3-16.3 eastern lot line from 500 feet north of Duanesburg Road to approximately 1000 feet north of Duanesburg Road. The residence and driveway will be on an approximately 40 acre parcel and the vacant land will be 73 acres as a separate parcel. Susan Biggs intends to retain ownership of both parcels. No construction is planned. See attached color map.

3. Location of project: Address: 13388 Duanesburg Road, Delanson NY Schenectady County NY 12053
   Tax Map Number (TMP) 74.00-3-18 and parcel 74.00-3-16.3
4. Is this parcel within an Agricultural District? ☐ YES ☐ NO (Check with your local
5. If YES, Agricultural District Number_____ assessor if you do not know.)
6. Is this parcel actively farmed? ☐ YES X NO
7. List all farm operations within 500 feet of your parcel. Attach additional sheet if necessary.

Pam Rowling / Wallace Johnson NAME: Tax ID Parcel 74.00-3-19 ADDRESS: 82 Maple Street East Haven, CT 06512 Is this parcel actively farmed? ☒YES ☐NO	NAME: ADDRESS: Is this parcel actively farmed? ☐YES ☐NO
NAME: Werner Hoffman ADDRESS: Tax ID 74.00-3-14 2245 Youngs Road Delanson, NY 12053 Is this parcel actively farmed? ☒YES ☐NO	NAME: ADDRESS: Is this parcel actively farmed? ☐YES ☐NO

Jeanne Dewey Owner for Susan Biggs 4/11/22
Signature of Applicant Signature of Owner (if other than applicant)

Reviewed by: _____ _____
Dale R. Warner Date

Revised 6/30/08

NOTE TO REFERRAL AGENCY: County Planning Board review is required. A copy of the Agricultural Data Statement must be submitted along with the referral to the County Planning Department.

ORIGINAL

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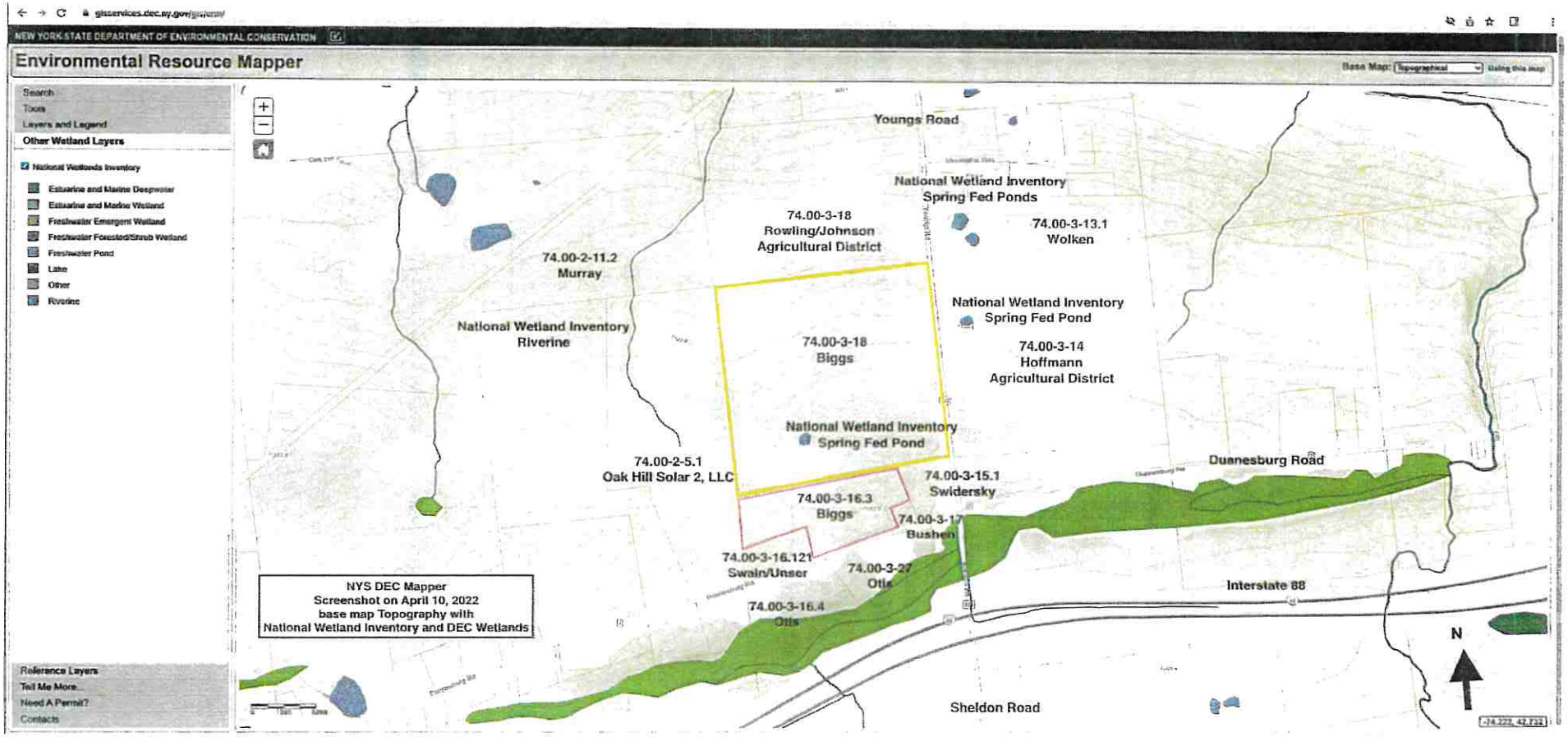
APR 11 2022

Lot Line Adjustment
Susan Liss Biggs parcels 74.00-3-18 (yellow) and 74.00-3.16.3 (pink)

EXISTING CONDITIONS - Neighboring Tax Id, National Wetlands, DEC Wetland, Agricultural District and Roads



74.00-3-13.1 Wolken - residence
74.00-3-14 Hoffmann - residence and hay field - agricultural district
74.00-3-15.1 Swidersky - residence
74.00-3-17 Bushen - residence
74.00-3-27 Otis - vacant land
74.00-3-16.4 Otis - vacant land
74.00-3-16.121 Swain/Unser - residence
74.00-2-5.1 Oak Hill Solar 2, LLC - vacant wetlands
74.00-2-11.2 Murray - vacant lands

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APR 11 2022

April 11, 2022
Figure 1

Lot Line Adjustment
Susan Liss Biggs parcels 74.00-3-18 (yellow) and 74.00-3.16.3 (pink)

EXISTING CONDITIONS

Biggs' existing 1850's farm house and five out buildings are located on 91 acre tax parcel 74.00-3-18 (yellow).
The driveway (grey) to the residence is an easement thru a 22 acre tax parcel 74.00-3-16-3 (pink) which abuts Duanesburg Road.

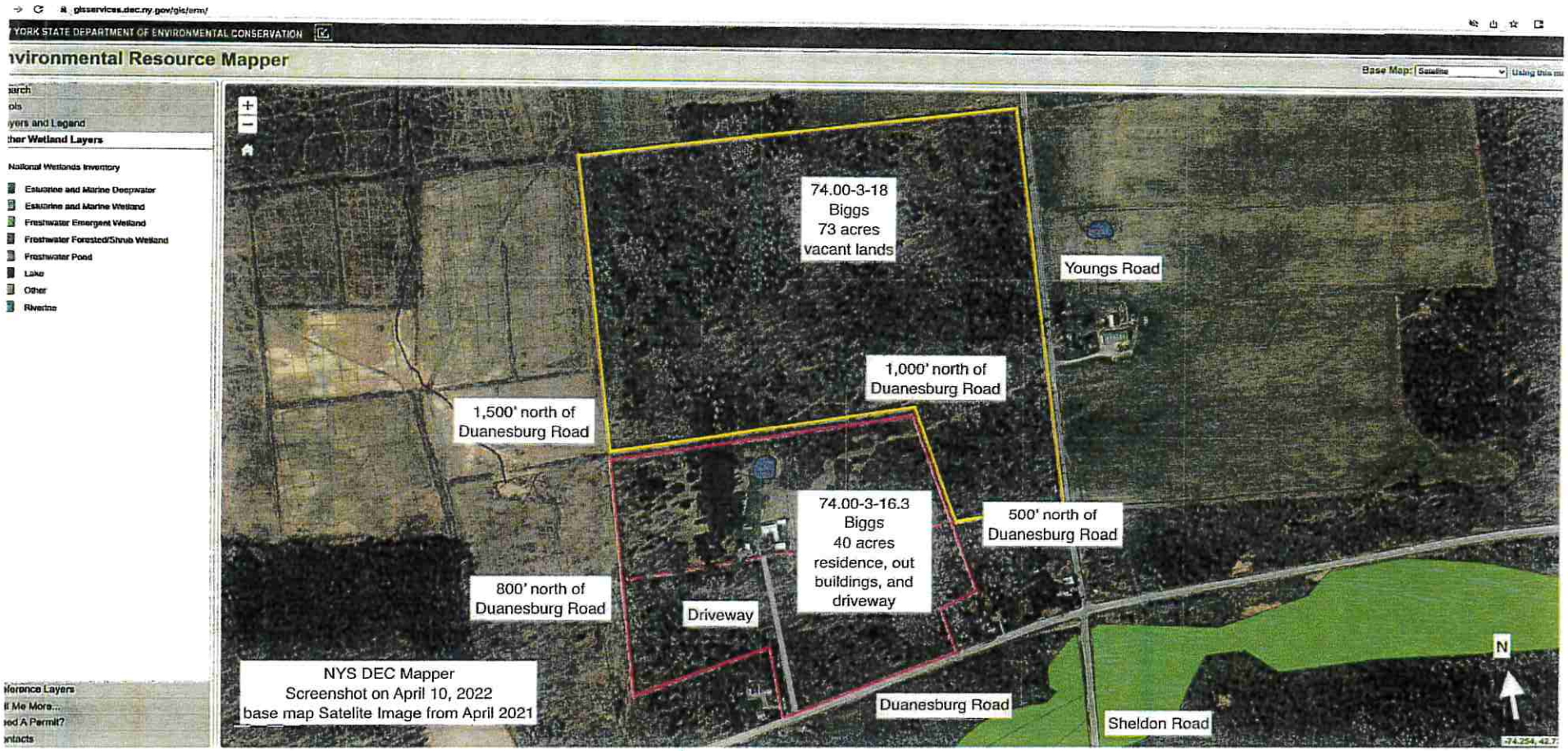
April 11, 2022
Figure 2

APR 1 1 2022

ORIGINAL

Lot Line Adjustment
Susan Liss Biggs parcels 74.00-3-18 and 74.00-3.16.3

PROPOSED LOT LINE ADJUSTMENT



To resolve problematic driveway easement we propose to move the north lot line for tax id 74.00–3-16.3 from 800 feet north of Duanesburg Road to approximately 1,500 feet north of Duanesburg Road and extend the eastern property line from 500 feet north of Duanesburg Road to approximately 1,000 feet north of Duanesburg Road. This would place the residence, outbuildings and driveway on one lot of approximately 40 acres with 850 feet of frontage on Duanesburg Road. The remaining approximately 73 acres associated with tax id parcel 74.00-3-18 is vacant wood lands and has 1,800 feet of frontage on Youngs Road. No construction is proposed. Susan Biggs will retain ownership of both lots.

ORIGINAL

RECEIVED
APR 11 2022

April 11, 2022
Figure 3

NOTICE OF DETERMINATION
of the Town of Duanesburg

Date of Determination 1/4/24

Application of ROBERT KNIESE under section 3.5 of the (Village of Delanson/Town of Duanesburg) SUBDIVISION Ordinance.

Applicant ROBERT KNIESE
Address 742 CHURCH RD
GLENVILLE 12302

Phone 518-857-0957 Zoning District H SBL# 55.00-4-22.11
55.00-4-22.12

Description of Project: TURN TWO LOTS INTO 5 SEPERATE LOTS

Determination:
PLANNING BOARD for APPROVAL of MAJOR SUBDIVISION

Reason supporting determination:
TOWN of DUANESBURG SUBDIVISION ORDINANCE ADOPTED MARCH 9, 1995 UNDER SECTION 3.5 "MAJOR SUBDIVISION"

Action: Refer to PLANNING BOARD **for the purpose of** MAJOR SUBDIVISION

Code Enforcement Officer: [signature]

APPLICATION FOR THE PLANNING BOARD Revised 04/12/2017
TOWN OF DUANESBURG
**********FOR OFFICE USE ONLY**********

CHECKLIST OF REQUIRED INFORMATION:

- ☒ Title of drawing.
- ☒ Tax Map ID #
- ☒ Zoning district
- ☒ Current Original Deed
- ☒ NYS Survey (L.S. & P.E.)
- ☒ North Arrow, scale (1"=100'),
- ☒ Boundaries of the property plotted and labeled to scale.
- ☒ School District/Fire District
- ☒ Green area/ landscaping
- ☒ Existing watercourses, wetlands, etc.
- ☒ Contour Lines (increments of 10ft.)
- ☒ Easements & Right of ways
- ☒ Abutting Properties Wells/ Sewer Systems within 100ft.
- ☒ Well/ Water system
- ☒ Septic system: Soil Investigation completed?
- ☒ Sewer System: Which district?
- ☐ Basic SWPPP (1≥ & <5)
- ☐ Full Storm Water Control Plan (5acres or more)
- ☐ Storm Water Control Plan
- ☒ Short or long EAF www.dec.ny.gov/eafmapper/
- ☐ Street pattern: Traffic study needed?
- ☐ All property Mergers REQUIRE both owners Signatures on the Application

Additional Requirements for Special Use Application:

- ☒ New or existing building
- ☒ Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date 12/28/23

Application type: ☒ Major Subdv ☐ Minor Subdv ☐ Special Use Permit ☐ Site/ Sketch Plan Review ☐ LotLine Adjust
Proposal: Divide 2-2.5 acre lots into 5-1 acre lots

_____ Section _____ of _____ Ordinance.

Present Owner: RDS Kniese Properties LLC (AS APPEARS ON DEED!!)
Address: 742 Church Rd Glenville Zip code: 12302
Phone # (required) (518) 857-0957

Applicants Name (if different): _____ Phone# (required) _____
Location of Property (if different from owners) Depot Rd Duanesburg NY
Tax Map # 55.00-4-22.11 Zoning District H
55.00-4-22.12

_____ _____
Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!)

LANDS CONVEYED TO (REQUIRED FOR MERGERS) _____
Signature of receiving Property Owner _____ (AS APPEARS ON DEED!!)

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant herby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

_____ Date 12/28/23
Signature of Owner(S) and/or Applicant(S)

ALL APPLICATION FEES ARE NON-REFUNDABLE!

Application fee paid: $750 Check# 1855 (For office use only) Reviewed By CV Date 12/28/23

☐ Approved ☐ Disapproved ☐ Refer to Code Enforcement Section _____ of _____ Ordinance

Planning Commission Comments: _____

_____ _____ _____ _____
Planning Chairperson Date Code Enforcement Date

TOWN OF DUANESBURG Application# 23-01

Agricultural Data Statement

Date: 12/28/23

Instructions: 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 a subdivision approval requiring municipal review and approval 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.

Applicant	Owner if Different from Applicant
Name: Robert Kniesc Address: 742 Church Rd Glenville N.Y. 12302	Name:

1. Type of Application: Special Use Permit; Site Plan Approval; Use Variance; Area Variance; (Subdivision Approval) (circle one or more)
2. Description of proposed project: Divide 2 - 2.5+ Acre lots into 5 - 1+ Acre lots
3. Location of project: Address: Depot Rd Duanesburg NY
   Tax Map Number (TMP) 55.00-4-22.11 & 55.00-4-22.12
4. Is this parcel within an Agricultural District? YES (NO) (Check with your local
5. If YES, Agricultural District Number _____ assessor if you do not know.)
6. Is this parcel actively farmed? YES (NO)
7. List all farm operations within 500 feet of your parcel. Attach additional sheet if necessary.
   NONE

NAME: ADDRESS: Is this parcel actively farmed? YES NO	NAME: ADDRESS: Is this parcel actively farmed? YES NO
NAME: ADDRESS: Is this parcel actively farmed? YES NO	NAME: ADDRESS: Is this parcel actively farmed? YES NO

Signature of Applicant

Signature of Owner (if other than applicant)

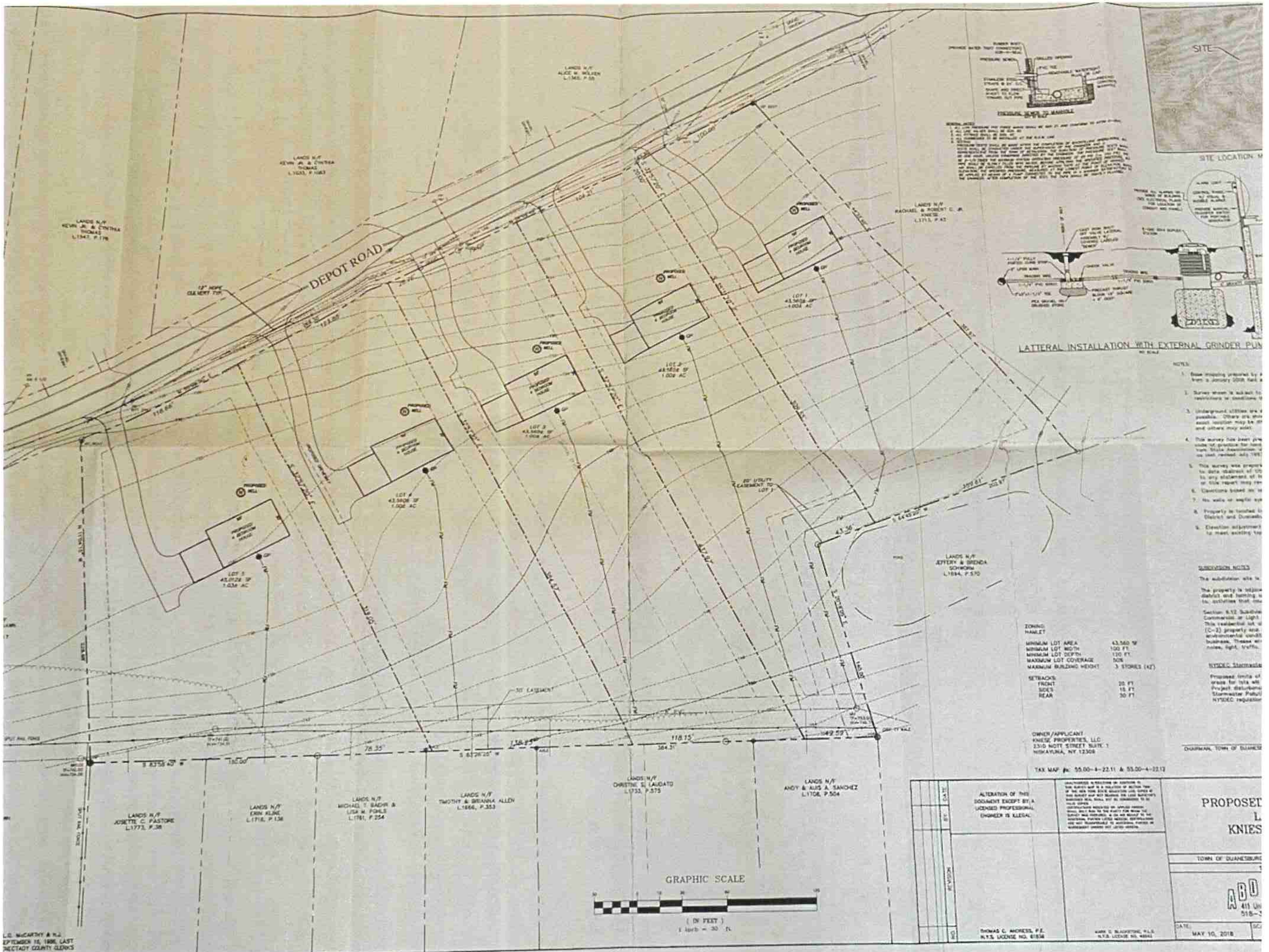
Reviewed by: _____ _____
Dale R. Warner Date

Revised 4/4/17

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.

NOTE TO REFERRAL AGENCY: County Planning Board review is required. A copy of the Agricultural Data Statement must be submitted along with the referral to the County Planning Department.


DEPOT ROAD
LANDS N/F KEVIN JR. & CYNTHIA THOMAS L.1547, P.176
LANDS N/F KEVIN JR. & CYNTHIA THOMAS L.1633, P.1063
LANDS N/F ALICE H. WOLKEN L.1365, P.55
LANDS N/F RACHAEL & ROBERT C. JR. KNIESE L.1713, P.42
LANDS N/F JEFFERY & BRENDA SCHWORM L.1694, P.570
LANDS N/F JOSETTE C. PASTORE L.1773, P.38
LANDS N/F ERIN KLINE L.1718, P.136
LANDS N/F MICHAEL T. BACHR & LISA M. POHLS L.1781, P.254
LANDS N/F TIMOTHY & BRIANNA ALLEN L.1666, P.353
LANDS N/F CHRISTINE S. LAUDATO L.1733, P.575
LANDS N/F ANDY & ALIS A. SANCHEZ L.1708, P.504
12" HDPE CULVERT TYP.
LOT 1 43,5606 SF 1.004 AC
LOT 2 43,5604 SF 1.004 AC
LOT 3 43,5604 SF 1.004 AC
LOT 4 43,5606 SF 1.004 AC
LOT 5 45,0128 SF 1.034 AC
PROPOSED WELL
PROPOSED 4 BEDROOM HOUSE
20' UTILITY EASEMENT TO LOT 1
30' EASEMENT
LATTERAL INSTALLATION WITH EXTERNAL GRINDER PUM
PRESSURE SEWER TO MANHOLE
SITE
SITE LOCATION M
NOTES:
SUBDIVISION NOTES
ZONING:
HAMLET
MINIMUM LOT AREA 43,560 SF
MINIMUM LOT WIDTH 100 FT.
MINIMUM LOT DEPTH 120 FT.
MAXIMUM LOT COVERAGE 50%
MAXIMUM BUILDING HEIGHT 3 STORIES (42')
SETBACKS:
FRONT 20 FT
SIDES 15 FT
REAR 30 FT
OWNER/APPLICANT
KNIESE PROPERTIES, LLC
2310 NOTT STREET SUITE 1
NISKAYUNA, NY 12309
TAX MAP #s: 55.00-4-22.11 & 55.00-4-22.12
CHAIRMAN, TOWN OF DUANESB
ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER IS ILLEGAL
THOMAS C. ANDRESS, P.E. N.Y.S. LICENSE NO. 61836
NO. REVISION BY DATE
PROPOSED
KNIES
TOWN OF DUANESBURG
DATE: MAY 10, 2018
GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

NOTICE OF DETERMINATION
of the Town of Duanesburg

Date of Determination 1/4/24

Application of Dean Splittgerber under section Section 4 of the (Village of Delanson/ ~~Town of Duanesburg~~) Local Law #2 of 2016 ~~Ordinance.~~

Applicant Joanne Darcy Crum
Address 479 W Main St
Cobleskill NY 12043

Phone _____ Zoning District R-2 SBL# 44.00-2-59

Description of Project: Lot Line Adjustment from 4400-2-59.1 to be Combined To 44.00-2-59

Determination: Planning Board for Approval of Lot Line Adjustment

Reason supporting determination: Town of Duanesburg Zoning Ordinance Adopted 6/11/15 under Local Law #2 of 2016 Section 4 "Lot Line Adjustment"

Action: Refer to Planning Board **for the purpose of** Lot Line Adjustment

Code Enforcement Officer: [signature]

APPLICATION FOR THE PLANNING BOARD Revised 04/12/2017
TOWN OF DUANESBURG
*************FOR OFFICE USE ONLY**************

CHECKLIST OF REQUIRED INFORMATION:

- ☒ Title of drawing.
- ☒ Tax Map ID #
- ☒ Zoning district
- ☒ Current Original Deed
- ☒ NYS Survey (L.S. & P.E.)
- ☒ North Arrow, scale (1"=100'),
- ☒ Boundaries of the property plotted and labeled to scale.
- ☒ School District/Fire District
- ☒ Green area/ landscaping
- ☒ Existing watercourses, wetlands, etc.
- ☒ Contour Lines (increments of 10ft.)
- ☒ Easements & Right of ways
- ☒ Abutting Properties Wells/ Sewer Systems within 100ft.
- ☒ Well/ Water system
- ☒ Septic system: Soil investigation completed?
- ☒ Sewer System: Which district?
- ☐ Basic SWPPP (1≥ & <5)
- ☐ Full Storm Water Control Plan (5acres or more)
- ☐ Storm Water Control Plan
- ☒ Short or long EAF www.dec.ny.gov/eafmapper/
- ☐ Street pattern: Traffic study needed?
- ☐ All property Mergers REQUIRE both owners Signatures on the Application

Additional Requirements for Special Use Application:

- ☒ New or existing building.
- ☒ Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date 12/28/23

Application type: ☐ Major Subdv ☐ Minor Subdv ☐ Special Use Permit ☐ Site/ Sketch Plan Review ☒ LotLine Adjust

Proposal: Lot Line Adjustment 44-2-59.1 to be conveyed to 44-2-59 under Local Law #1 2016 of the Town of Duanesburg Subdivision Ordinance
Section ______ of ______ Ordinance.

Present Owner: Dean C. & Hope M. Splittgerber (AS APPEARS ON DEED!!)
Address: 2034 Duanesburg Churches Rd, Delanson Zip code: 12053
Phone # (required) 518-527-8002

Applicants Name (if different): Office/Jeanne Darey Cary L.S. Phone# (required) 518-234-4650
Location of Property (if different from owners) ______
Tax Map # 44-2-59 Zoning District R-2

[signature] [signature]
Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!!)

LANDS CONVEYED TO (REQUIRED FOR MERGERS) Dean J. & Alethea Deitz
Signature of receiving Property Owner [signature] (AS APPEARS ON DEED!!)

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant herby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

Jeanne Darey Cary for Dean / Dean Splittgerber Date 12/28/23
Signature of Owner(S) and/or Applicant(S)

ALL APPLICATION FEES ARE NON-REFUNDABLE!

(For office use only)

Application fee paid: ______ Check# ______ Reviewed By ______ Date ______

☐ Approved ☐ Disapproved ☐ Refer to Code Enforcement Section ______ of ______ Ordinance

Planning Commission Comments: ______

Planning Chairperson Date Code Enforcement Date

TOWN OF DUANESBURG Application# 23-32

Agricultural Data Statement Date: 12/28/23

Instructions: This form must be completed for any application for a special use permit, site plan approval, use variance or a subdivision approval requiring municipal review that would occur on property within 500 feet of a farm operation located in a NYS Dept. of Ag & Markets certified Agricultural District.

Applicant	Owner if Different from Applicant
Name: Office of Joanne Dorey Crumb Address: 479 West Main St Cobleskill NY 12043	Name: Splittgerber 2034 & 1956 Duaneburg Churches Rd Delanson NY 12053

1. Type of Application: ☐ Special Use Permit; ☐ Site Plan Approval; ☐ Use Variance; ☐ Area Variance; ☐ Subdivision Approval (circle one or more) Lot line adjustment
2. Description of proposed project:
   Lot Line Adjustment between Tm 44-2-57.1 & Tm 44-2-55
3. Location of project: Address: 2034 & 1956 Duaneburg Churches Rd
   Tax Map Number (TMP) 44-2-59 - 44-2-57.1
4. Is this parcel within an Agricultural District? ☐ YES ☒ NO (Check with your local
5. If YES, Agricultural District Number _____ assessor if you do not know.)
6. Is this parcel actively farmed? ☐ YES ☒ NO
7. List all farm operations within 500 feet of your parcel. Attach additional sheet if necessary.

NAME: Rebecca M. Wilbur ADDRESS: 1556 Duaneburg Churches Rd Delanson, NY 12053 Is this parcel actively farmed? ☒ YES ☐ NO	NAME: _____ ADDRESS: _____ Is this parcel actively farmed? ☐ YES ☐ NO
NAME: _____ ADDRESS: _____ Is this parcel actively farmed? ☐ YES ☐ NO	NAME: _____ ADDRESS: _____ Is this parcel actively farmed? ☐ YES ☐ NO

Joanne Dorey Crumb — Dean + Dean Splittgerber

Signature of Applicant — Signature of Owner (if other than applicant)

Reviewed by: _____ _____

Dale R. Warner — Date

Revised 6/30/08

NOTE TO REFERRAL AGENCY: County Planning Board review is required. A copy of the Agricultural Data Statement must be submitted along with the referral to the County Planning Department.

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

Splittgerber Lot Line Adjustment by the Office of Joanne Darcy Crum, L.S.

Name of Action or Project:

Splittgerber Lot Line Adjustment by the Office of Joanne Darcy Crum, L.S.

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

1956 Duanesburg Churches Road Tax Map #'s 44-2-59 and 44-2-57.1

Brief Description of Proposed Action:

Lot Line Adjustment to add 1.87 acres to Tax Map # 44-2-59 from the east side of Tax Map # 44-2-57.1

Name of Applicant or Sponsor:	Telephone: 518-234-4650
Dean C. and Dean J. Splittgerber by the Office of Joanne Darcy Crum, L.S.	E-Mail: jdcrum@hotmail.com

Address:

479 West Main Street

City/PO:	State:	Zip Code:
Cobleskill	NY	12043

	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: Duanesburg Planning Board and Schenectady County Planning	☐	☑

3. a. Total acreage of the site of the proposed action? 7.11 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? 12.12 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	N/A
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:	☐	☑

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

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

	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: Joanne Darcy Crum for Dean+Dean Solutions Date: 12/28/23

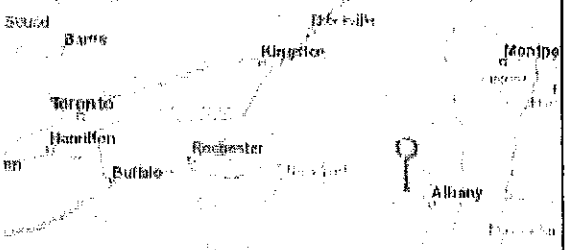
Signature: Joanne Darcy Crum Title: L.S. + Esq.

PRINT FORM

EAF Mapper Summary Report

Friday, December 1, 2023 2:17 PM

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.



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

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]	No
Part 1 / Question 20 [Remediation Site]	No

Date 30 November 2023

To: Town of Duanesburg Planning Board
From: Dean J. Splittgerber
Re: Lot Line Adjustment

Dear Sirs:

Please be advised that the Office of Joanne Darcy Crum, L.S., Professional Land Surveyor, of Cobleskill, New York, is authorized to represent me in the proposed action currently before the board.

Please feel free to contact me if you have any questions.

Thanking you in advance for your help and cooperation, we are,

Sincerely yours,

Dean J. Splittgerber
Phone 518-469-8828

On 12/11, 2023, Dean J. Splittgerber, appeared before me, Pierrette Virkler a **notary public** in Albany County of the State of New York. The signees confirmed that he subscribe to the instrument within and acknowledged to me that he executed the same. IN WITNESS of which, I hereunto set my hand and affix my official seal.

, Notary

PIERRETTE VIRKLER
Notary Public, State Of New York
No. 01VI6093089
Qualified In Albany County
Commission Expires 05/27/20 27

Date 30 November 2023

To: Town of Duanesburg Planning Board
From: Dean C. Splittgerber
Re: Lot Line Adjustment

Dear Sirs:

Please be advised that the Office of Joanne Darcy Crum, L.S., Professional Land Surveyor, of Cobleskill, New York, is authorized to represent me in the proposed action currently before the board.

Please feel free to contact me if you have any questions.

Thanking you in advance for your help and cooperation, we are,

Sincerely yours,

Dean C. Splittgerber

Hope M. Splittgerber

Dean C. Splittgerber
Phone 518-527-8902

On December 14, 2023, Dean C. Splittgerber, appeared before me, Erika Barrett a **notary public** in Schenectady County of the State of New York. The signees confirmed that he subscribe to the instrument within and acknowledged to me that he executed the same. IN WITNESS of which, I hereunto set my hand and affix my official seal.

Notary

ERIKA MARIE BARRETT
Notary Public, State of New York
Qualified in Schenectady County
Reg. No. 01BA6373560
My Commission Expires 6-1-26

ZONING COORDINATION REFERRAL

SCHENECTADY COUNTY DEPT. OF ECONOMIC DEVELOPMENT & PLANNING

Recommendations shall be made within 30 days after receipt of a full statement of the proposed action.

For Use By SCDEDP

Received_____
Case No._____
Returned_____

FROM: ☐ Legislative Body
☐ Zoning Board of Appeals
☑ Planning Board

Municipality: Town of Duanesburg

TO: Schenectady County Department of Economic Development and Planning
Schaffer Heights, 107 Nott Terrace, Suite 303
Schenectady, NY 12308

(tel.) 386-2225
(fax) 382-5539

ACTION:
☐ Zoning Code/Law Amendment
☐ Zoning Map Amendment
☐ Subdivision Review
☐ Site Plan Review
☐ Special Permit
☐ Use Variance
☐ Area Variance
☑ Other (specify) Lot Line Adjustment

PUBLIC HEARING OR MEETING DATE: 01/18/2024

SUBJECT: #23-32 Splittgerber, Dean: SBL#44.00-2-57.1 (R-2), located at 2034 Duanesburg Churches Rd is seeking a lot line adjustment under section 4 of the Town of Duanesburg Local Law #2 of 2016.

REQUIRED ENCLOSURES:
1. Public hearing notice & copy of the application.
2. Map of property affected. (Including Tax Map I.D. number if available)
3. Completed environmental assessment form and all other materials required by the referring body in order to make its determination of significance pursuant to the state environmental quality review act.

1. This zoning case is forwarded to your office for review in compliance with Sections 239-l, 239-m and 239-n of Article 12-B of the General Municipal Law, New York State.

2. This material is sent to you for review and recommendation because the property affected by the proposed action is located within 500 feet of the following:

☐ the boundary of any city, village or town;
☐ the boundary of any existing or proposed County or State park or other recreation area;
☑ the right-of-way of any existing or proposed County or State parkway, thruway, expressway, road or highway;
☐ the existing or proposed right-of-way of any stream or drainage channel owned by the County or for which the County has established channel lines;
☐ the existing or proposed boundary of any County or State-owned land on which a public building or institution is situated;
☐ the boundary of a farm operation located in an agricultural district, as defined by Article 25-AA of the agriculture and markets law. The referral requirement of this subparagraph shall not apply to the granting of area variances.

SUBMITTED BY:

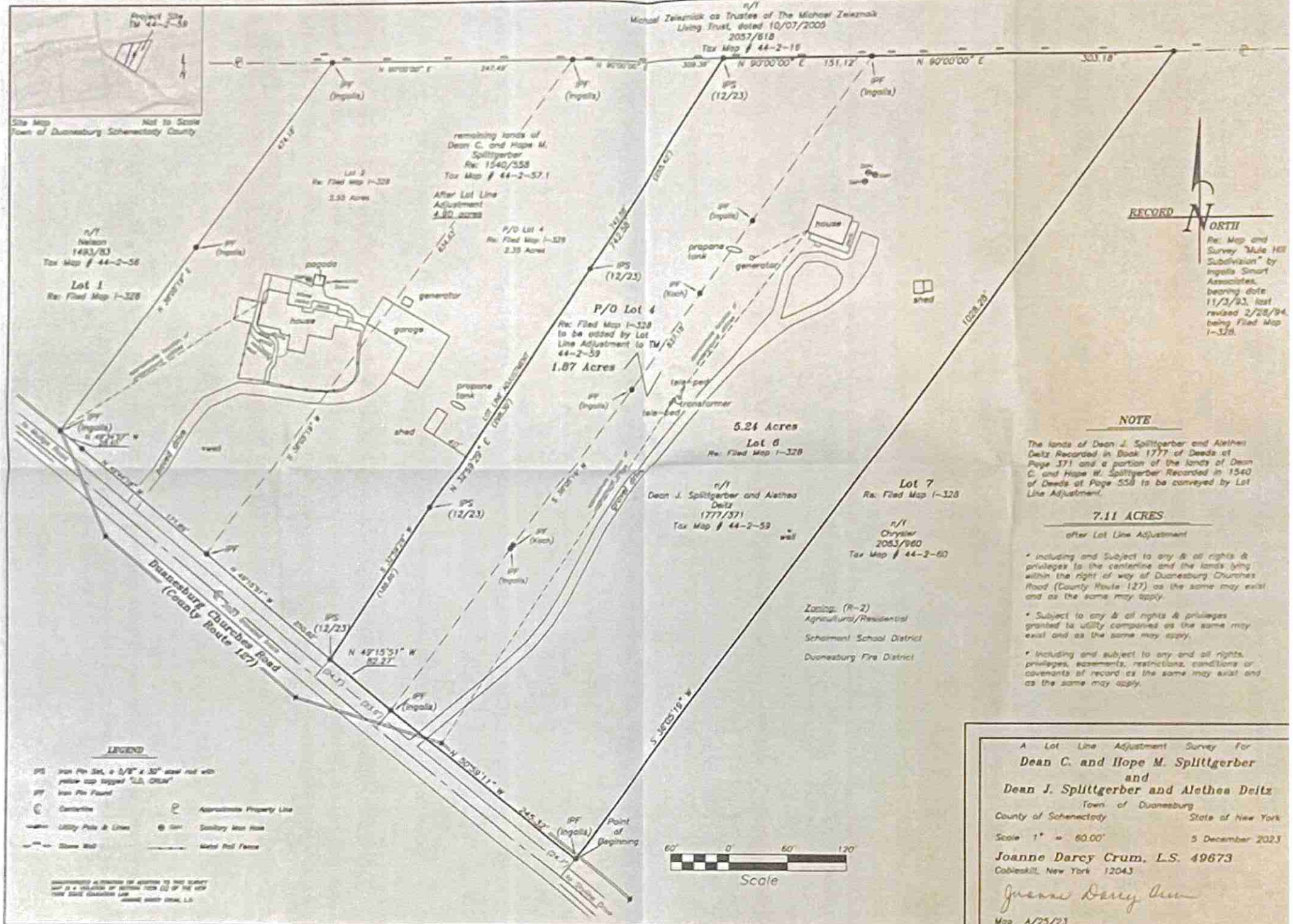
Name: Coryn VanDeusen Title: Planning/Zoning Clerk

Address: 5853 Western Turnpike Duanesburg, NY 12056

E-mail: cvandeusen@duanesburg.net Phone: (518) 895-2040

Coryn VanDeusen
Signature

Date: 01/09/24


Project Site
Tax Map # 44-2-59
Site Map
Not to Scale
Town of Duanesburg Schenectady County
n/f
Michael Zeleznick as Trustee of The Michael Zeleznick Living Trust, dated 10/07/2005
2057/618
Tax Map # 44-2-16
N 90°00'00" E 151.12'
N 90°00'00" E 303.18'
IPF (Ingalls)
IPS (12/23)
remaining lands of Dean C. and Hope M. Splittgerber
Rec 1540/558
Tax Map # 44-2-57.1
After Lot Line Adjustment
4.30 acres
Lot 2
Re: Filed Map 1-328
2.55 Acres
P/O Lot 4
Re: Filed Map 1-329
2.35 Acres
n/f
Nelson
1493/83
Tax Map # 44-2-56
Lot 1
Re: Filed Map 1-328
pagoda
house
garage
generator
propane tank
shed
well
P/O Lot 4
Re: Filed Map 1-328
to be added by Lot Line Adjustment to TM/ 44-2-59
1.87 Acres
5.24 Acres
Lot 6
Re: Filed Map 1-328
n/f
Dean J. Splittgerber and Alethea Deitz
1777/371
Tax Map # 44-2-59
Lot 7
Re: Filed Map 1-328
n/f
Chrysler
2053/960
Tax Map # 44-2-60
transformer
tele-ped
Duanesburg Churches Road (County Route 127)
N 49°15'31" W 82.27'
N 30°39'11" W 245.32'
S 36°05'19" W 1028.28'
Point of Beginning
RECORD NORTH
Re: Map and Survey "Mule Hill Subdivision" by Ingalls Smart Associates, bearing date 11/3/93, last revised 2/28/94, being Filed Map 1-328.
NOTE
The lands of Dean J. Splittgerber and Alethea Deitz Recorded in Book 1777 of Deeds at Page 371 and a portion of the lands of Dean C. and Hope M. Splittgerber Recorded in 1540 of Deeds at Page 558 to be conveyed by Lot Line Adjustment.
7.11 ACRES
after Lot Line Adjustment
* including and Subject to any & all rights & privileges to the centerline and the lands lying within the right of way of Duanesburg Churches Road (County Route 127) as the same may exist and as the same may apply.
* Subject to any & all rights & privileges granted to utility companies as the same may exist and as the same may apply.
* Including and subject to any and all rights, privileges, easements, restrictions, conditions or covenants of record as the same may exist and as the same may apply.
Zoning: (R-2) Agricultural/Residential
Schalmont School District
Duanesburg Fire District
LEGEND
IPS Iron Pin Set, a 5/8" x 30" steel rod with yellow cap tagged "L.S. Crum"
IPF Iron Pin Found
Centerline
Approximate Property Line
Utility Pole & Lines
Sanitary Man Hole
Stone Wall
Metal Rail Fence
60' 0' 60' 120'
Scale
A Lot Line Adjustment Survey for
Dean C. and Hope M. Splittgerber
and
Dean J. Splittgerber and Alethea Deitz
Town of Duanesburg
County of Schenectady
State of New York
Scale 1" = 60.00'
5 December 2023
Joanne Darcy Crum, L.S. 49673
Cobleskill, New York 12043
Map A/25/23

Coryn VanDeusen

From: Bakner, Terresa <TBakner@woh.com>
Sent: Wednesday, January 3, 2024 3:58 PM
To: Coryn VanDeusen
Subject: FW: DEC Seeks Input on Proposal to Further Protect Freshwater Wetlands

Coryn, please send around to the Planning Board members. Thank you! Terresa

FYI Notice of Advanced Rulemaking on Changes to State Wetlands regulations.

Terresa M. Bakner | Whiteman Osterman & Hanna LLP
Partner
One Commerce Plaza | Albany | New York | 12260
| o | 518.487.7615 | f | 518.487.7777
| e | Tbakner@woh.com| w | www.woh.com

From: New York State Department of Environmental Conservation <nysdec@public.govdelivery.com>
Sent: Wednesday, January 3, 2024 3:26 PM
To: Bakner, Terresa <TBakner@woh.com>
Subject: DEC Seeks Input on Proposal to Further Protect Freshwater Wetlands

DEC Seeks Input on Proposal to Further Protect Freshwater Wetlands

Public Comments on New York State's 'Advanced Notice of Proposed Rulemaking' will Guide Development of New Wetland Regulations

New York State Department of Environmental Conservation (DEC) Commissioner Basil Seggos today encouraged New Yorkers to review and comment on the development of proposed regulations that would further protect freshwater wetlands statewide. DEC released the Advanced Notice of Proposed Rulemaking (ANPR) to begin developing regulations to implement the new law that expands the number of wetlands regulated by DEC to further protect water quality and wildlife habitat.

"Wetlands are critical environmental and economic resources that protect water quality, provide essential habitats, mitigate flooding, and promote the resilience of New York's communities," **Commissioner Seggos said.** "Through Governor Hochul's leadership, this new law is greatly enhancing the state's stringent freshwater wetland protections already in place, and I encourage New Yorkers to review this initial proposal and provide input to help DEC develop regulations that will modernize protections of wetlands and ensure the long-term health of these vital ecosystems."

Freshwater wetlands are lands and submerged lands, commonly called marshes, swamps, sloughs, bogs, and flats, that support aquatic or semi-aquatic vegetation. New York's Freshwater Wetlands Act was enacted in 1975 to regulate activities near larger wetlands, greater than 12.4 acres, and smaller wetlands considered to be of unusual local importance.

Consistent with Governor Kathy Hochul's commitment to protecting New York's wetlands, the 2022-23 Budget included significant improvements to the State's wetlands protection program, safeguarding an estimated one million additional acres of unprotected wetland habitat and helping New York adapt to increased flooding and severe storms fueled by climate change.

Starting in January 2025, the scope of regulated smaller wetlands of "unusual importance" will be expanded to wetlands that meet one of 11 specific criteria in order to provide additional fish and wildlife habitat and to protect communities from flooding. The ANPR seeks feedback on the potential criteria that will be used to classify these newly protected wetlands.

The purpose of this ANPR is to solicit stakeholder input through written comment so that DEC can refine potential changes to 6 NYCRR Part 664 as part of a future rulemaking. The ANPR is arranged into eight sections that correspond to specific areas where DEC is seeking feedback. In addition, the advanced notice contains a draft of the potential regulatory updates that DEC is considering. DEC staff are seeking answers to specific questions, as well as general comments and suggestions on the potential updates. Input on the ANPR will help develop a regulatory proposal that will go out for public review and comment later this year.

The ANPR can be viewed in the New York State Register or on the DEC website.

Comments can be submitted by Feb. 19, 2024 via email to WetlandRegulatoryComments@dec.ny.gov (subject: "ANPR Freshwater Wetlands Protection") or sent to Bureau of Ecosystem Health, Freshwater Wetlands Unit, New

York State Department of Environmental Conservation, 625 Broadway, Albany, NY 12233-4756.

https://dec.ny.gov/news/press-releases

PRIME AE

Albany Office
100 Great Oaks Boulevard, Suite 114, Albany, NY 12203
P: 1.833.723.4768

December 28, 2023

Jeffery Schmitt, Planning Board Chairman
Town of Duanesburg
5853 Western Turnpike
Duanesburg, NY 12056

Re: Town of Duanesburg
Wishy Wash Site Plan & Special Use Permit Review
Amendment #4 R1 for Engineering Services

Dear Mr. Schmitt:

As you know, our proposal for the above project review was executed on June 24, 2022 and the escrow account for the project was established in the amount of $3,375.00. Amendments #1 – 3 covered the additional planning board reviews. Now that the project can proceed to construction once certain conditions are met, PRIME AE proposes the following scope of work for this Amendment #4R1 for Construction Phase Services:

- Provide review and comment on the field sampling results of the pond materials.
- Attend the pre-construction meeting.
- Attend up to two (2) additional site meetings / inspections with the developer, contractor and Town representatives during the course of construction.
- Provide review of weekly SWPPP reports provided by the developer and respond to Town, developer and contractor emails and phone calls during construction over an estimated four (4) month period.

We propose to provide these additional services for a fee not to exceed $5,300.00, for a total of $19,475.00 for this project. Our work under this Amendment will be billed monthly on a time and materials basis. Our original Terms and Conditions for this contract will remain in effect for this amendment.

If this amendment #4R1 proposal is acceptable, please execute the signature block below and return to us.

Sincerely,
KB Group of NY, Inc. dba PRIME AE Group of NY

Douglas P Cole

Douglas P Cole, P.E.
Senior Director of Engineering

cc: William Wenzel, Supervisor

AGREED TO BY TOWN OF DUANESBURG:

William Wenzel, Supervisor

DATE: 1/5/2024

AGREED TO BY KB GROUP OF NY, INC. DBA PRIME AE GROUP OF NY:

Douglas P. Cole, P.E., Senior Director of Engineering - NY

DATE: 12/28/2023

TOWN OF DUANESBURG
SCHENECTADY COUNTY

ORIGINAL

Town of Duanesburg
Planning Board Minutes
December 21, 2023
Draft Copy

MEMBERS PRESENT:
Jeffery Schmitt- Chairperson, Joshua Houghton, Matt Hoffman, Michael Walpole, Michael Harris- Vice Chairman, Elizabeth Novak, Terresa Bakner- Town Attorney, Chris Parslow- Town Planner and Coryn VanDeusen-Clerk.

INTRODUCTION:
Chairperson Jeffery Schmitt opened the meeting and welcomed everyone to the December 21, 2023, Planning Board meeting and stated the agenda for the night's meeting.

OPEN FORUM:
Schmitt/Harris made a motion to open the open forum at 7:03 pm.
Schmitt yes, Harris yes, Houghton yes, Hoffman yes, Walpole yes, Novak yes. **Approved.**

Harris/Hoffman made a motion to close the open forum at 7:04 pm.
Harris yes, Hoffman yes, Houghton yes, Schmitt yes, Walpole yes, Novak yes. **Approved.**

SKETCH PLAN REVIEW:

PUBLIC HEARINGS:

OLD BUSINESS:

#23-12 C-TEC Solar LLC: SBL#64.00-2-8, (R-2) is seeking a special use permit and site plan approval for a 1.875-megawatt community solar energy generating facility under Local Law #1 of 2023 of the Town of Duanesburg Zoning Ordinance.

Sonja Torpey with Tetra Tech Inc., a consulting firm representing C-Tec Solar is proposing a solar facility in the Town of Duanesburg. She stated that the proposed facility would be located at 10516 Western Turnpike on the property of Martin & Donna Hebert. Ms. Torpey detailed:
1.- The facility would be in the Northwest corner of the 90+- acre property.

Over➔

2.- It would be a community solar facility as it is under 5 megawatts at 1.875 MW.
3.- A 200 ft setback is implemented in the plans which is required under the new solar law.
4.- The facility would be on approximately 8.91 acres out of the 90 acres.
5.- The project went from fixed tilt modules to single axis trackers because there are slopes between 1% and 15% in terms of erosion and sediment.
6.- The company had also done a wetland delineation and there are wetlands in the Northwest corner, but the facility will not be impacted by them. It is not a NYS regulated wetlands.
7.- The access road is from Western Turnpike. It will wind through the property, be a geo-tech style covered by a couple of inches of gravel/ crusher run and solely be used for transporting equipment. Minimal grading will need to be done around the access road.
8.- The facility would be surrounded by a 7-foot fence and vegetation.
9.- There would be an equipment pad for inverters.
10- Any cabling for the collection system would be underground, as well as the transmission line to the point of connection at the road.
11- Stormwater prevention measures including a temporary washout area, a temporary stockpile area and temporary lay down areas are implanted into the plan as well as a potential rainwater basin.
12- After construction is complete all temporary measures would be removed, and reseeding would be done.
13- A habitat survey was done, and the only protected animal is the bat. Minimal tree removal would take place during the months of November to March so no impact would be created for the endangered species.
14- The Mohawk Heritage Corridor, Avery Farmhouse, and William farmhouse are in the surrounding areas and the applicant received approval from SHPPO that visual impacts will be limited. If there was bare Earth it would be 75% visibility without any structures or vegetative barriers, but the company does plan to plant 8 ft trees.
The board questioned the noise analysis due to the shift West and previous design of fixed panels and the applicant stated that they need to update it to a new configuration. Board member Novak asked about the glare analysis as that was also based off fixed panels and the applicant advised that the single axis trackers move all day, but they can update the analysis. Board member Hoffman questioned the access road being limited porous stone which has been an issue for DEC. Penetrometer testing shows what the existing capacity of the soil is and the whole intent is that it's supposed to percolate in this heavy clay soil here. Board member Hoffman also stated that you cannot put fill in the access road. The applicant stated that the company will review the access road. Board member Harris stated that the snowmobile trail goes right through the property and the applicant stated that she was unaware of this and will review it as well. The board questioned visual receptors and the applicant stated that the requirement is that it just needed to be demonstrated as to what the visual impact will be. The town attorney stated that the neighbors within 1000 ft need to be notified as well as the farm operators and other involved agencies due to the application being SEQRA Type 1. The applicant stated that there is no intent for battery storage with this project; the inverters are what would be causing any noise, and they are located on the pad. Board member Hoffman asked if a turn around is necessary on the access road and Chris Parslow, town planner, stated that it doesn't apply because of the width of the access road. The board questioned where the closest water location is for

firefighting. Adam Fink, Delanson Fire 1797 Main St, stated that this project is under fire protection district 2.

Novak/Hoffman made a motion to declare intent to be lead agency for the application to be a SEQRA Type 1 action and proposals to be sent to town engineers for review, and letters to be sent out to neighbors within 1,000 ft for review.
Novak yes, Hoffman yes, Houghton yes, Schmitt yes, Walpole yes, Harris yes. **Approved.**

Hoffman/Novak made a motion to table the application for C-Tec Solar.
Hoffman yes, Novak yes, Houghton yes, Schmitt yes, Walpole yes, Harris yes. **Approved.**

#23-25 Serth, Joseph: SBL# 35.05-1-19.2, (R-1) is seeking an amendment to current special use permit to include on site cooking.

Mr. Serth stated that his specific request is to remove the restriction on food prep. Mr. Serth provided a new operational plan for food prep. Caterers who will prepare food off site will bring it to the site and serve it at any location on the site as they have been able to do so in the past. Mr. Serth states that has normally been on either the North side or the South side of the barn. He also stated food trucks will either prepare food offsite or onsite and no food truck will be allowed to park in the Lake District or allowed to cook within 20 feet of the property line. The targeted area for food truck set up is on the paved area in front of the boat house. Mr. Serth stated there is a food prep kitchen set up inside the boathouse with a three bay sink that he spoke with Schenectady County Health Department regarding. The board advised Mr. Serth that he would need a public water supply to get a full license/permit. Mr. Serth stated he has a hand-wash station that you pump with your feet in the plan. Board member Hoffman states the health dept. says to be a venue site you don't need a water permit, but you cannot sell food to the public without having a public water supply. Mr. Serth stated that he will not be selling food to the public. Mr. Serth stated that if he were to cook the food, he will need to get a permit if he goes over 14 days. Mr. Serth stated that the County Health Department has confirmed that no public water supply is required for venues which operate less than 60 days a calendar year. Mr. Serth also stated that a food prep sink cannot be hooked directly into the sewer. Mr. Parslow advised that the applicant needs to have a grease trap as well. The board questioned if the church would be open to the public if it would affect needing a full permit. Mr. Serth stated that would be if the church was open to non-members. He advised the board that he does not allow his events to be bring your own beverage.

Novak/Walpole made a motion to set a public hearing for the Joseph Serth application.
Novak yes, Walpole yes, Houghton yes, Schmitt yes, Hoffman yes, Harris yes. **Approved.**

#23-26 Serth, Joseph: SBL#35.05-1-19.2, (R-1) is seeking a site plan approval for a religious institution for use of bible studies, weddings, and other religious ceremonies under Section 6.3(17) of the Town of Duanesburg Zoning Ordinance.

The board asked how many uses can be designated on one property and town planner Chris Parslow responded he must investigate it. Terresa Bakner, town attorney, stated that religious institutions need to be ADA compliant. Board member Hoffman states that churches are A3 in the building code and currently it is A2. The board stated that they would like the building reviewed by an architect to complete a code scrub as well as all the surrounding outbuildings. Ms. Bakner advised that the town does not regulate religion. The applicant was advised that designating this property as a church would make him exempt and it would void out the current special use permit. Mr. Serth advised the board that it would be a church with rectories eliminating the bed and breakfast as well as the rental house. The board suggested that the applicant have the plan reviewed by a licensed design team to include an architect. Mr. Serth stated that the code enforcement officer received a complete application and there was no objection to that although further documentation is being requested by the board. Chris Parslow, town planner, stated that a site plan is needed for the proposed use based on the Zoning Ordinance. The board advised the applicant that if the building is designated a church and is open to the public, he would need a public water supply. Mr. Serth advised the board that the church wouldn't be open to the public and could be members only. Ms. Bakner advised the board that they can send the application to the ZBA for an interpretation to explain what would be required to have a religious institution at the site if they would like to go that route. The board members advised Mr. Serth that there are a lot of moving parts to what he's proposing, and they just want to make sure that they address everything that needs to be addressed. Ms. Novak advised the applicant that they're not just talking about using the barn as a church; it's all 6.7 acres that becomes the religious institution. Board member Hoffman advised Mr. Serth that to move forward with this they would expect an application and documents from an architect or a full design team that looked at this property and did a code scrub with submitted plans and architectural documents on what has to happen for all three of the buildings and tell them what's acceptable, what's not, and what has to change if Mr. Serth wants to call the site a religious institution. Mr. Serth asked what the property was rated at when the occupancy of 99 people was put into effect to which town planner Chris Parslow responded I don't know that was Dale Warner, but I did complete the fire inspection. Terresa Bakner advised the board that you can have members only churches. The board advised Mr. Serth that in his application he needs to submit additional information 10 days prior so that they can have time to review before a meeting.

Walpole/Houghton made a motion to table the application for Joseph Serth until further information is received.
Walpole yes, Houghton yes, Novak yes, Schmitt yes, Hoffman yes, Harris yes. **Approved.**

NEW BUSINESS:

#23-29 Thomas, Ralph: SBL#67.05-1-8.1, (H), located at 5140 Western Turnpike is seeking a special use permit to operate a flea/farmers market under section 9.4(17) of the Town of Duanesburg Zoning Ordinance.

Mr. Thomas advised the board that he plans on putting in a farmers market and flea market next door to the Duanesburg Diner. Mr. Thomas proposed each spot for each vendor would be a 10 ft spot. Mr. Thomas advised the board that he will have a fire lane through the middle and each business will have its own parking area. The board asked the applicant if it is going to be a permanent set up. Mr. Thomas advised the board that it will be a seasonal operation from April to October that will operate once weekly, and everything can be torn down. The board asked the applicant about the parking situation and Mr. Thomas advised the board that they plan on removing some trees, but not enough to be a disturbance. The board advised the applicant that if they remove enough trees then it would require a SWPPP and other necessities so to be sure to clear less than an acre. Chris Parslow, town planner, advised the board that the parking lots/land for all businesses including the diner, proposed flea market, and proposed farmers market are all owned by the same person. The board advised the applicant that they need a formal site plan with all parking, food trucks, dumpsters, and other accessories on that plan for each business. The board also informed the applicant that when cutting trees, it should take place between October and March to protect endangered species of animals. Mr. Thomas advised the board that he would have a person there early in the morning directing traffic and parking. The board advised Mr. Thomas that they would like to see a drafted business plan including open and closed times with as much detail as possible. The board advised the applicant to include how often trash would be removed and asked him to include his source of power in the plans. Terresa Bakner, town attorney, advised the applicant that he may want to reach out for guidance to Schenectady County Ag & Markets. The board also recommended reaching out to Bob Chandler.

Hoffman/Novak made a motion to table the application for Ralph Thomas.
Hoffman yes, Novak yes, Houghton yes, Schmitt yes, Walpole yes, Harris yes. **Approved.**

#23-30 Stealey, Tricia: SBL#68.00-1-9.12, (C-1), located at 3215 Western Turnpike is seeking a special use permit to temporarily have 2 dwellings on one lot under section 11.4(11) Town of Duanesburg Zoning Ordinance.

Ms. Stealey advised the board that she got an approved variance from the Zoning Board of Appeals and is looking to replace her current dwelling with a new one. Ms. Stealey stated that she plans to demolish the old dwelling once she obtains approval to live in the new one. Ms. Stealey also advised the board that she got approval for her septic and well from Schenectady County because it is replacing like for like. Ms. Stealey stated that her new dwelling is a double wide. The board advised the applicant that it is a SEQRA Type 2 action, and no further review is required.

Novak/Walpole made a motion to set a public hearing for the Tricia Stealey application.
Novak yes, Walpole yes, Houghton yes, Schmitt yes, Hoffman yes, Harris yes. **Approved.**

OTHER:

Adam Fink, Delanson Fire 1797 Main St, stated that the C-Tec Solar project is under fire protection district 2. Mr. Fink stated to the board that he came to help ensure where the borders are for the fire districts in the town. The board asked if there is a map available and Mr. Fink along with Terresa Bakner confirmed there is a map at the Town Hall with the Town Clerk, Jennifer Howe. Mr. Fink drew concerns that a new map should be made available as the coverage and districts have changed. Ms. Bakner advised Mr. Fink that the fire companies can make a recommendation to the Town Board.

Chairman Schmitt addressed a letter from Doug Cole regarding the Ultimate Wishy Wash project that had been previously approved as well as a letter from Joe Bianchine regarding the same application. Mr. Cole wanted to know if the board wanted any construction supervision over the project and submitted a proposal. Mr. Bianchine advised the board in the letter that Mr. Kagas will not be doing certain things that were already voted on. Ms. Bakner advised that the board get in contact with Doug Cole and make sure what the town wants done is clear.

Board member Houghton advised town planner, Chris Parslow, that Mr. Serth has to report events to the town every year and five days prior to any event per the conditions in the special use permit.

MINUTE APPROVAL:

Harris/Hoffman made a motion to approve the November 16, 2023, Planning Board minutes.
Harris yes, Hoffman yes, Houghton yes, Walpole yes, Schmitt yes, Novak abstain.
Approved.

ADJOURNMENT:
Novak/Houghton made a motion to adjourn.
Novak yes, Houghton yes, Schmitt yes, Harris yes, Walpole yes, Hoffman yes. **Approved.**