



**TOWN OF KILLINGLY  
INLAND WETLANDS AND WATERCOURSES COMMISSION**

**Monday, January 9, 2023**

**Regular Meeting – Hybrid Meeting**

**7:00 PM**

**Second Floor – Town Meeting Room**

**Killingly Town Hall**

**172 Main Street**

**Killingly, CT**

**AGENDA**

Public can also view this meeting on Facebook Live.

Go to [www.killinglyct.gov](http://www.killinglyct.gov) and click on Facebook Live at the bottom of the page.

Elizabeth M. Wilson

RECEIVED  
TOWN CLERK, KILLINGLY, CT  
2023 JAN -5 PM 3:32

- I. **CALL TO ORDER**
- II. **ROLL CALL**
- III. **ADOPTION OF MINUTES** – (Review/Discussion/Action)
  - A. May 2, 2022, Regular Meeting Minutes
- IV. **CITIZENS' PARTICIPATION** – Public comment can be emailed to [publiccomment@killinglyct.gov](mailto:publiccomment@killinglyct.gov) or mailed to Town of Killingly, 172 Main Street, Killingly, CT 06239 on or before the meeting. All public comment received prior to the meeting will be posted on the Town's website [www.killinglyct.gov](http://www.killinglyct.gov).
- V. **Unfinished Business:** – (Review/Discussion/Action)
  - A. **Application 22-1553 of Jim Collins** for construction of a single-family home with associated grading, septic, well and multiple wetlands crossings; 210 Snake Meadow Road; Map ID 9627, Alt ID 246-2 & 247-11, Rural Development Zone.
  - B. **Application 22-1555 of the Town of Killingly** for the dredging of approx. 14,000 cy of material from pond to increase irrigation for recreational fields; 580 Hartford Pike (Owen Bell Park); Map ID 6996, Alt ID 114-43; VC / LD.
- VI. **New Business:** (listed in order of receipt) – (Review/Discussion/Action)
  - A. **Application 22-1556 of Meriam & Joel Smith** for jurisdictional ruling, notification of invasive species management; 10 Kies Road; Map ID 4578, Alt ID 222-18, Rural Development Zone.  
*If the application is complete the Commission shall decide if a public hearing and/or site walk should be held on each application and continue further action until next month's meeting. The Commission may also delegate to its duly authorized agent.*
- VII. **Correspondence to the Commission**
- VIII. **Staff Report**
  - A. **Authorized Agent Applications**
    - 1. **App #22-1546 of Deborah McSheehy** for removal of existing concrete patio and stairs to be replaced with pavers and granite stairs within 200' upland review

area; 255 No Shore Rd; Map ID 3622, Alt ID 82-20; ALZOD / LD – **APPROVED 6/6/2022**

2. **App #22-1547 of American Retaining Wall LLC** for jurisdictional ruling, notification of timber harvest, 150,750 board feet by Hull Forest Products (Austin Harmon, Supervising Forest Products Harvester); 210 Snake Meadow Road; Map ID 9627, Alt ID 246-2 & 247-11; Rural Development Zone – **EXEMPT.**
3. **App #22-1548 of Crista Nolan** for removal of existing concrete stairs to be replaced with granite stairs and rebuild stone wall at the water's edge; 1781 Upper Maple St; Map ID 5350, Alt ID 81-12; ALZOD / LD – **APPROVED W/ CONDITIONS 8/10/2022.**
4. **App #13-1384 of Bldg. America Co, LLC (Tri-Lakes)**, Phase 1 of a 31-lot subdivision; 520 Bailey Hill Road; GIS Map 143; Lot 6; 643 acres; RD – **FOUR YEAR EXTENSION GRANTED TO JULY 8, 2027, PER CGS 8-3K ON 8/15/2022.**
5. **App #22-1549 of Gospel Light Christian Fellowship** for construction of a church (75' x 100') with associated grading, parking, septic and well; 726 Providence Pike; Map ID 5722, Alt ID 212-22; RD – **APPROVED W/ CONDITIONS 8/25/2022.**
6. **App #22-1550 of Scott Person** for selective timber harvest (70,000 board feet); 200 Putnam Pike; Map ID 9553, Alt ID 90-1; RD – **EXEMPT.**
7. **App #22-1551 of Scott Wheaton** for demolition of existing cottage and construction of four-bedroom home; 252 No Shore Rd; Map ID 711883, Alt ID 82-17.001; ALZOD / LD – **APPROVED 9/13/2022.**
8. **App #22-1552 of Janice Bosworth** for a 14' x 22' addition to existing cottage; 235 No. Shore Rd; Map ID 710555, Alt ID 82-2.001; ALZOD / LD – **APPROVED 9/13/2022.**
9. **App #12-1376 of Paul Rollinson** to replace an existing wall located adjacent to Alexander's Lake; 11 Weeks Lane; Map ID 5565, Alt ID 108-30.2; ALZOD / RD – **FIVE YEAR EXTENSION GRANTED TO NOVEMBER 5, 2027, PER CGS 8-3K ON 9/19/2022.**
10. **App #22-1554 of CDLS Mobile Repair LLC** for 60' x 80' addition and associated regrading and fill within 200' upland review area; 919 No Main Street; Map ID 5322, Alt ID 154-9; General Commercial Zone – **APPROVED W/ CONDITIONS ON 10/20/2022.**

- B. Monthly Zoning/Wetlands Report
- C. Other

IX. Town Council Liaison

X. Adjournment

**TOWN OF KILLINGLY**  
**INLAND WETLANDS AND WATERCOURSES COMMISSION (IWWC)**  
Killingly Town Hall  
172 Main Street  
Danielson, CT  
**REGULAR MEETING MINUTES**  
Monday, May 2, 2022 @ 7:00 PM

This meeting was held in person and virtual with connections via live stream and video conferencing.

- I. Call to order: Chairman Sandy Eggers called the meeting to order at 7:03 p.m.

**Members Present:** Chairman Sandy Eggers, Vice Chairman Rodney Galton, Fred Ruhlemann & Corina Torrey

**Also Present:** Jonathan Blake, Town Planner/Zoning Enforcement Officer.

- II. Adoption of Minutes:

- A. February 7, 2022 Regular Meeting:

**MOTION #1** made by Rodney Galton **SECONDED BY** Fred Ruhlemann that the Inland Wetlands and Watercourses Commission approve February 7, 2022 Regular Meeting Minutes – as presented

**VOICE VOTE: UNANIMOUS;**

**MOTION CARRIED**

- III. Citizens' Participation:

Mark Allaire was present to ask for direction from the Commission regarding his proposed activity of creating an agricultural pond. He noted there is no encroachment to wetlands. There is a natural spring on site that runs year round.

Mr. Blake noted the proposed activity is a use as of right. Rodney Galton recommended review by Army Corp of Engineers/USDA if there is any re-direction of water flow / watercourse as a result of creating the pond.

Overall, IWWC recommended Mr. Allaire review proposed activity with the USDA.

- IV. Unfinished Business:

- A. **Application #21-1544, Erik Brown:** for construction of single family residence with driveway, house, well, and septic system in the 200' upland review area; 189 Coomer Hill Rd., Map ID 9057; Alt ID 171-19; Rural Development Zone

**APPLICANT / PRESENTATION:** Mr. Greg Glaude, Killingly Engineering Associates, was present to represent the applicant. Mr. Glaude reviewed project activities and referred to the site plan as submitted. Wetlands were delineated by Mr. Joseph Theroux, Professional Soil Scientist. NDDH approval has been received and submitted into the record. It was noted, there is the possibility of a shared driveway.

**IWWC COMMENTS:** There is concern the proposed driveway is in close proximity to wetlands. The Commission referenced prudent alternatives and recommended the driveway entrance be changed to come off Coomer Hill Extension.

Mr. Glaude respectfully noted he looked into that as an option but determined such a re-design would only gain approximately 5 feet. Mr. Glaude offered installation of a grass swale along the eastern side of the proposed driveway to manage water flow and minimize potential for erosion in the area.

**MOTION #2** made by Rodney Galton **SECONDED BY** Fred Ruhlemann that the Inland Wetland and Watercourses Commission approve Application #21-1544, Erik Brown, with the following condition:

1. Design is modified to include grass swale along the east side of the driveway

**VOICE VOTE: UNANIMOUS;**

**MOTION CARRIED**

RECEIVED  
TOWN CLERK, KILLINGLY, CT  
2022 JUN 2 AM 10:05  
Eggers, Rodney, Quigley

## V. New Business:

## VI. Correspondence to the Commission:

Revision Policy for Sale of Town Land: This revision is to outline what Town-owned properties should be eligible for sale; partially land acquired as part of sub-divisions, tax sale, estates, conservation, recreational use, and open space etc. IWWC ideas, changes, additions are welcomed and will be passed to the town manager for consideration.

## VII. Staff Report:

## A. Authorized Agent Approval:

1. App #22-1545 of Michael & Tina Leavitt for construction of new single-family residence, well, septic system and driveway within 200' upland review area; 380 Ledge Road; Map ID 10008, Alt ID 169-3.2; RD Zone – Authorized Agent Approved with conditions on April 13, 2022. Legal Ad was published on April 15<sup>th</sup>. No action required.
2. App #22-1543 of William & Kellee Peckham for demolition of existing cottage and construction of new single-family residence (31' x 42' footprint including front porch & 10' x 27' rear deck); 4 Lawton Ln; Map ID 4281, Alt ID 87-31; RD Zone / ALZOD – Authorized Agent Approved with conditions on March 22, 2022. Legal Ad was published on March 25, 2022. No action required.

## B. Monthly Zoning/Wetlands Report: N/A

## C. Other: N/A

## VIII. Town Council Liaison:

## IX. Adjournment:

**MOTION #3:** made by Rodney Galton **SECONDED BY** Corina Torrey that the Inland Wetland Watercourses Commission adjourns the meeting at 7:56 PM.

**VOICE VOTE: UNANIMOUS;**

**MOTION CARRIED**

Respectfully submitted,  
*Sherry Pollard,*  
IWWC Recording Secretary



Property within 500' of adjoining Town boundary? \_\_\_\_\_  
If so, which town(s)? \_\_\_\_\_  
Date the notice was sent by KIWWC to town clerk of adjoining municipality(ies) \_\_\_\_\_  
Receipt date of copy of Applicants notice to adjoining municipality \_\_\_\_\_

Application #: 22-1553  
Date Submitted: 9/29/2022  
Date of Receipt by Comm.: 10/3/22  
Fee: \$160.00 paid by check # 2528  
Staff Initials: JB

**KILLINGLY INLAND WETLANDS & WATERCOURSES COMMISSION APPLICATION**

A \$100.00 base fee (or, for a proposed subdivision, \$100.00 per lot, whichever is greater) plus ~~\$20.00~~ state fee must accompany each application (**Total fee: \$160.00**). **THIS FEE IS NON-REFUNDABLE.** Checks or money orders should be made payable to the Town of Killingly. **Public hearing fee: \$225.00** required in addition to the above fees if a public hearing is required by the commission(s) and not already included.

**TO BE COMPLETED BY THE APPLICANT - PLEASE PRINT**

Applicant's Name: Jim Collins  
Day Phone #: 301-807-2049 Evening Phone #: 860-412-9176  
Mailing Address: 6666 Upper Maple Street Suite A Danielson, CT  
Owner of Record: Tamku  
Mailing Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

Applicant's interest in the land if the applicant is not the property owner: \_\_\_\_\_

Authorization of property owner: \_\_\_\_\_

**LOCATION OF PROPERTY:**

House # and Street: 210 Snake Meadow Road  
Tax Map Number: 242 Block: \_\_\_\_\_ Lot: 2  
Zoning District: RD Lot Size: 97.67 Acres Lot Frontage: \_\_\_\_\_  
Easements and/or deed restrictions: \_\_\_\_\_

**PURPOSE:**

Provide the purpose and description of the proposed activity, including a list of all proposed regulated activities:

Proposed construction of single family home with driveway improvements and bridge crossing.

**ON-SITE WETLANDS AND WATERCOURSES:**

Windham County wetland soil types and areas of each type: See attached

Watercourse(s) – type (pond, stream, marsh, bog, drainage ditch, etc.), manmade or natural, and area of each:

Marsh & Wooded Wetlands

**ALTERNATIVES:**

List alternatives considered by the applicant and state why the proposal to alter wetlands as set forth in the application is necessary and was chosen:

Originally considered relocating driveway for a more direct path to the proposed residence but that resulted in a larger area of wetlands disturbance

**MATERIALS:**

Provide the volume (cubic yard) and nature of materials to be deposited and/or extracted:

Clean Gravel

**MITIGATIVE MEASURES:**

List measures to be taken to minimize or avoid any adverse impact on the regulated area:

Haystacks, Silt Fence & Crushed Stone Berms/Check Dams

**BIOLOGICAL EVALUATION:**

Describe the ecological communities and functions of the wetlands or watercourses involved with the application and the effects of the proposed regulated activities on these communities and wetland functions:

Impact Report to be provided

**SITE PLAN\*:**

Scale 1"=40' showing existing and proposed conditions in relation to wetlands and water courses to include, but not be limited to:

Contours

Buildings

Wells

Driveways

Septic Systems

Drainage Systems (Including Culverts, Footing and Curtain Drains)

Erosion and Sedimentation controls

Wetlands

Watercourses

Areas of Excavation and /or Material Deposit

*\*Refer to Section 6.0 – Application Information Requirements and Section 7.0 – Application Evaluation Criteria of the Killingly Inland Wetlands & Watercourses Commission Regulations for information the Commission may require. Professionally prepared plans (Licensed Land Surveyor/Professional Engineer registered in the State of Connecticut, Soil Scientist) may be required for significant activities.*

**ADDITIONAL INFORMATION:**

List additional information submitted by the applicant:

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The applicant understands that this application is to be considered complete only when all information and documents required by the Commission have been submitted. The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his/her knowledge and belief. Permission is granted to the Town of Killingly, Killingly Inland Wetlands & Watercourses Commission, and its agent (s) to walk the land, at reasonable times, and perform those tests necessary to properly review the application, both before and after a final decision has been issued.

Applicant's Signature: 

Date: 10-29-2022

Owner of Record: 

Date: 10-29-2022



Killingly Engineering Associates

P.O. Box 421 Killingly, CT 06241  
Phone: 860-779-7299  
www.killinglyengineering.com

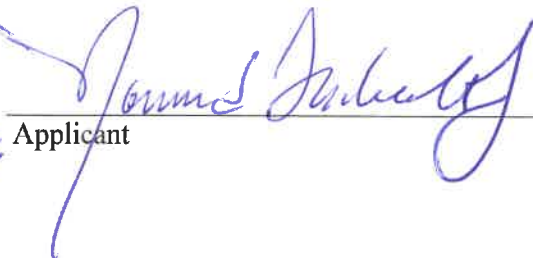
September 27, 2022


**Proposed Single Family Home**

*Jim Collins  
210 Snake Meadow Road  
Killingly, CT*

Per Section 7.10 of the Regulations for the Protection and Preservation of Inland Wetland and Watercourses  
The applicant certifies that:

- a. The property on which the regulated activity is proposed is not located within 500 feet of the boundary of an adjoining municipality;
- b. Traffic attributable to the completed project on the site will not use streets within an adjoining municipality to enter or exit the site;
- c. Sewer or water drainage from the project site will not flow through and impact the sewage or drainage system within an adjoining municipality;
- d. Water run-off from the improved site will not impact streets or other municipal or private property within an adjoining municipality.

for  Applicant

  
Date



# 200 foot Abutters List Report

Killingly, CT  
September 27, 2022

## Subject Property:

Parcel Number: 246-002-000  
CAMA Number: 246-002-000-000 9627  
Property Address: 210 SNAKE MEADOW RD

Mailing Address: AMERICAN RETAINING WALL LLC  
666 UPPER MAPLE UNIT A  
KILLINGLY, CT 06239

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## Abutters:

Parcel Number: 246-001-000  
CAMA Number: 246-001-000-000 9738  
Property Address: 226 SNAKE MEADOW RD

Mailing Address: CONN STATE OF-101 VACANT LAND  
450 CAPITOL AV MS#54FOR  
HARTFORD, CT 061061308

Parcel Number: 246-003-000  
CAMA Number: 246-003-000-000 5363  
Property Address: 220 SNAKE MEADOW RD

Mailing Address: VANCE LISA A  
220 SNAKE MEADOW RD  
KILLINGLY, CT 06239

Parcel Number: 246-004-001  
CAMA Number: 246-004-001-000 6909  
Property Address: 248 SNAKE MEADOW RD

Mailing Address: ZACKSHER VICTOR G EST  
257 SABIN ST UNIT 7  
PUTNAM, CT 06260

Parcel Number: 246-005-000  
CAMA Number: 246-005-000-000 9645  
Property Address: 254 SNAKE MEADOW RD

Mailing Address: MATRONE JASON  
254 SNAKE MEADOW RD  
KILLINGLY, CT 06239

Parcel Number: 246-021-000  
CAMA Number: 246-021-000-000 4062  
Property Address: 225 SNAKE MEADOW RD

Mailing Address: DUVAL EMILE J & MARCIA L  
225 SNAKE MEADOW RD  
KILLINGLY, CT 062390000

Parcel Number: 247-010-000  
CAMA Number: 247-010-000-000 5785  
Property Address: 230 SNAKE MEADOW RD

Mailing Address: VINCI BENJAMIN L & KATHY & PETER &  
MARCI  
20 CLOVER HILL PLACE  
KINSINGTON, CT 06037

Parcel Number: 253-003-000  
CAMA Number: 253-003-000-000 4435  
Property Address: 120 JOB VAUGHN RD

Mailing Address: RAINVILLE WILLIAM W  
258 MARGARET HENRY  
KILLINGLY, CT 06239

Parcel Number: 254-001-000  
CAMA Number: 254-001-000-000 1373  
Property Address: 290 SNAKE MEADOW RD

Mailing Address: DALY-BEYL PATRICIA & SEGUINE MARY  
D  
306 SNAKE MEADOW RD  
KILLINGLY, CT 06239



www.cai-tech.com

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9/27/2022

Page 1 of 1



## JOSEPH R. THEROUX

~ CERTIFIED FORESTER/ SOIL SCIENTIST ~  
PHONE 860-428-7992~ FAX 860-376-6842  
P.O. Box 32, VOLUNTOWN, CT. 06384

FORESTRY SERVICES ~ WETLAND IMPACT ASSESSMENT  
WETLAND DELINEATIONS AND PERMITTING ~ E&S/SITE MONITORING  
WETLAND FUNCTION AND VALUE ASSESSMENTS

11/30/21

JIM COLLINS  
666 UPPER MAPLE STREET  
DANIELSON, CT. 06239

RE: WETLAND DELINEATION, 210 SNAKE MEADOW RD. KILLINGLY, CT.

DEAR MR. COLLINS,

AT YOUR REQUEST I HAVE DELINEATED THE INLAND WETLANDS AND WATERCOURSES ON YOUR PROPERTY WITHIN 200 FEET OF THE PROPOSED DEVELOPMENT ACTIVITIES.

THESE WETLANDS AND WATERCOURSES HAVE BEEN DELINEATED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY AND THE DEFINITIONS OF WETLANDS AS FOUND IN THE CONNECTICUT STATUTES, CHAPTER 440, SECTION 22A-38.

FLUORESCENT PINK FLAGS WITH CORRESPONDING LOCATION FLAG NUMBERS WF-1 THROUGH WF-14, WF-1-1A THROUGH WF-8-1A, AND WF-1A THROUGH WF-7A DELINEATE THE HIGH-WATER MARK OF SNAKE MEADOW BROOK, (PERENNIAL), ITS ADJACENT FLOODPLAIN SOILS, AND INLAND WETLANDS.

WETLAND FLAGS WF-1B THROUGH WF-8B AND WF-1C THROUGH WF-42C DELINEATE A PALUSTRINE FORESTED WETLAND CORRIDOR AND INTERMITTENT WATERCOURSE IN THE WESTERN PORTION OF THE PROPERTY. THE EXISTING WOODS ACCESS ROAD PASSES OVER THIS WETLAND/WATERCOURSE.

WETLAND FLAGS WF-1D THROUGH WF-30D, WF-1E THROUGH WF-29E, AND WF-1F THROUGH WF-11F DELINEATE ANOTHER PALUSTRINE FORESTED WETLAND CORRIDOR AND INTERMITTENT WATERCOURSE IN THE WESTERN PORTION OF THE PROPERTY. THE EXISTING WOODS ACCESS ROAD CROSSES THIS WETLAND/WATERCOURSE COMPLEX AS WELL.

WETLAND FLAGS WF-1K THROUGH WF-11K DELINEATE A SMALL PALUSTRINE FORESTED WETLAND ADJACENT TO THE WOODS ACCESS ROAD IN THE CENTRAL PORTION OF THE PROPERTY.

WETLAND FLAGS WF-1 G THROUGH WF-23G, WF-1 I THROUGH WF-8 I AND WF-1 J THROUGH WF-6 J DELINEATE PALUSTRINE FORESTED WETLANDS ON THE SOUTHERN PROPERTY BOUNDARY ON AND ADJACENT TO JOB VAUGHN RD.

WETLAND FLAGS WF-1 M THROUGH WF-8 M, WF-1 N THROUGH WF-1 O N AND WF-1 O THROUGH WF-13 O DELINEATE THE PALUSTRINE FORESTED WETLANDS, WATERCOURSES AND HYDRIC SOILS FOUND ON THE CENTRAL AND SOUTHERN PORTIONS OF JOB VAUGHN ROAD. ESSENTIALLY, THE MAJORITY OF JOB VAUGHN ROAD EXTENDING TO THE SOUTH OF THIS PROPERTY IS HISTORICALLY FILLED INLAND WETLANDS.

WETLAND FLAGS WF-1 H THROUGH WF-13 H AND WF-1 L THROUGH WF-13 L DELINEATE SMALL PALUSTRINE FORESTED WETLANDS THAT HAVE FORMED IN SLIGHT DEPRESSIONS IN THE TOPOGRAPHY IN THE SOUTHEAST PORTION OF THE PROPERTY.

THE INLAND WETLAND SOILS WHICH WERE FOUND HAVE FORMED AS A RESULT OF THE HIGH AND/OR PERCHED SEASONAL WATER TABLE. THEY ARE CHARACTERIZED BY THICK ORGANIC "A" HORIZONS, SHALLOW REDOXIMORPHIC FEATURES, AND LOW CHROMA COLORS WITHIN 20 INCHES OF THE SOIL SURFACE.

IN CONCLUSION, IF YOU HAVE ANY QUESTIONS CONCERNING THE DELINEATION OR THIS REPORT, PLEASE FEEL FREE TO CONTACT ME.

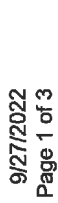
THANK YOU,

*Joseph R. Theroux*

JOSEPH R. THEROUX  
CERTIFIED SOIL SCIENTIST  
MEMBER SSSSNE, NSCSS, SSSA.





























## M. JOE





## MAP LEGEND

<b>Area of Interest (AOI)</b>		<b>Area of Interest (AOI)</b>		<b>Spoil Area</b>	
<b>Soils</b>		<b>Soil Map Unit Polygons</b>		<b>Stony Spot</b>	
		<b>Soil Map Unit Lines</b>		<b>Very Stony Spot</b>	
		<b>Soil Map Unit Points</b>		<b>Wet Spot</b>	
<b>Special Point Features</b>		<b>Water Features</b>		<b>Other</b>	
		<b>Streams and Canals</b>		<b>Special Line Features</b>	
		<b>Transportation</b>			
		<b>Rails</b>			
		<b>Interstate Highways</b>			
		<b>US Routes</b>			
		<b>Major Roads</b>			
		<b>Local Roads</b>			
		<b>Background</b>			
		<b>Aerial Photography</b>			

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut  
Survey Area Data: Version 21, Sep 7, 2021

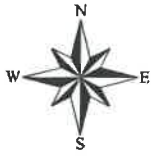
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 30, 2011—May 1, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2	Ridgebury fine sandy loam, 0 to 3 percent slopes	2.8	1.1%
3	Ridgebury, Leicester, and Whitman soils, 0 to 8 percent slopes, extremely stony	26.0	10.3%
46B	Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony	9.8	3.8%
47C	Woodbridge fine sandy loam, 3 to 15 percent slopes, extremely stony	85.4	33.7%
58B	Gloucester gravelly sandy loam, 3 to 8 percent slopes, very stony	1.3	0.5%
59C	Gloucester gravelly sandy loam, 3 to 15 percent slopes, extremely stony	2.9	1.2%
59D	Gloucester gravelly sandy loam, 15 to 35 percent slopes, extremely stony	2.4	0.9%
61B	Canton and Charlton fine sandy loams, 0 to 8 percent slopes, very stony	11.0	4.4%
61C	Canton and Charlton fine sandy loams, 8 to 15 percent slopes, very stony	4.1	1.6%
62C	Canton and Charlton fine sandy loams, 3 to 15 percent slopes, extremely stony	22.2	8.8%
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	67.8	26.8%
85B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony	6.2	2.5%
306	Udorthents-Urban land complex	11.3	4.5%
<b>Totals for Area of Interest</b>		<b>253.4</b>	<b>100.0%</b>



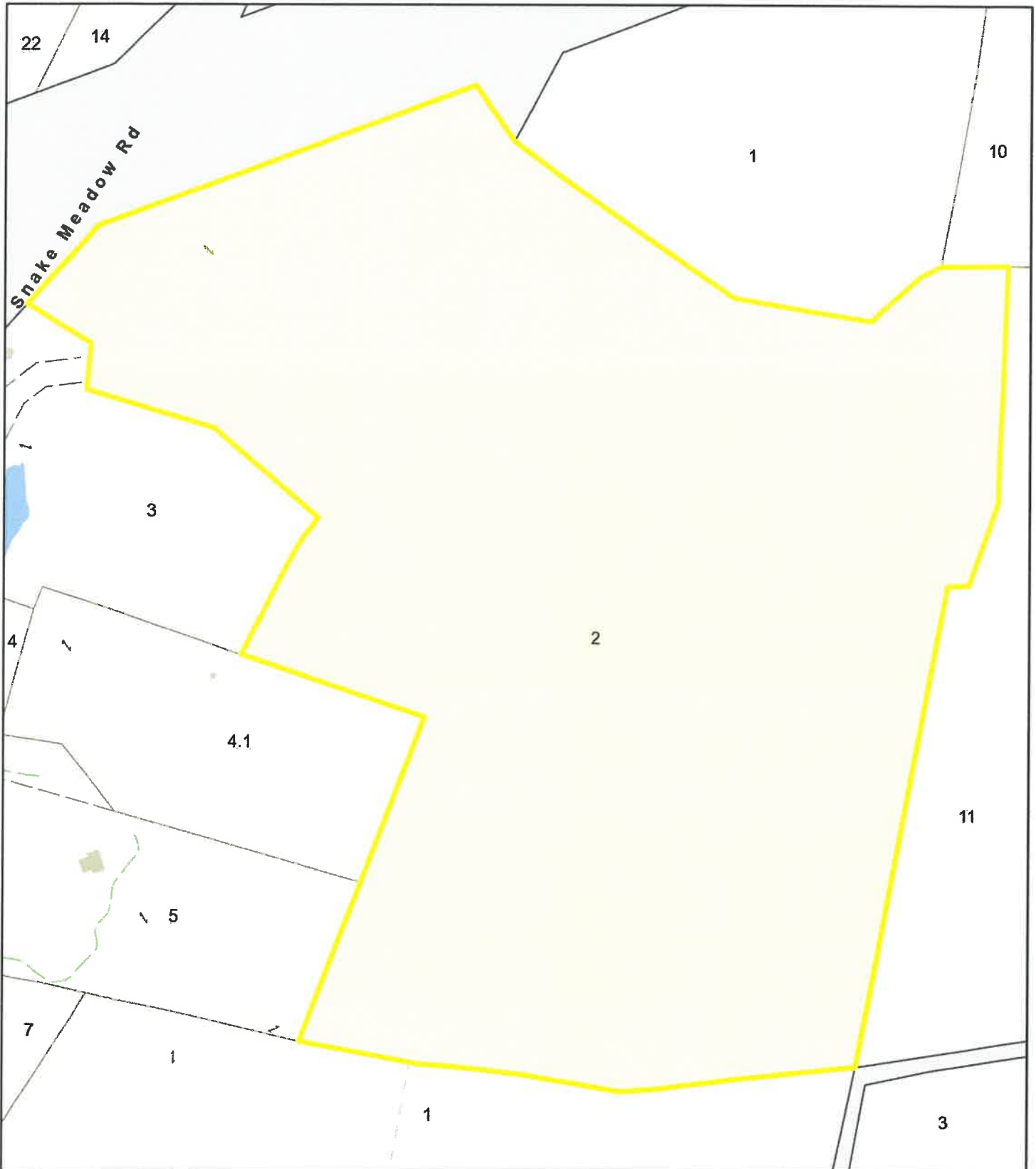
Killingly, CT

1 inch = 280 Feet



[www.cai-tech.com](http://www.cai-tech.com)

September 29, 2022



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Connecticut Department of

ENERGY &  
ENVIRONMENTAL  
PROTECTION

GIS CODE #: \_\_\_\_\_  
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www.ct.gov/deep

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## Statewide Inland Wetlands & Watercourses Activity Reporting Form

*Please complete this form in accordance with the instructions on pages 2 and 3 and mail to:*

*DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3<sup>rd</sup> Floor, Hartford, CT 06106*

*Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.*

### PART I: Must Be Completed By The Inland Wetlands Agency

1. DATE ACTION WAS TAKEN: year: \_\_\_\_\_ month: \_\_\_\_\_
2. ACTION TAKEN (see instructions - one code only): \_\_\_\_\_
3. WAS A PUBLIC HEARING HELD (check one)? yes ☐ no ☐
4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:  
(print name) \_\_\_\_\_ (signature) \_\_\_\_\_

### PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

5. TOWN IN WHICH THE ACTIVITY IS OCCURRING (print name): Killingly  
does this project cross municipal boundaries (check one)? yes ☐ no ☐  
if yes, list the other town(s) in which the activity is occurring (print name(s)): \_\_\_\_\_
6. LOCATION (see instructions for information): USGS quad name: East Killingly or number: 44  
subregional drainage basin number: \_\_\_\_\_
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Jim Collins
8. NAME & ADDRESS OF ACTIVITY / PROJECT SITE (print information): 210 Snake Meadows Road  
briefly describe the action/project/activity (check and print information): temporary ☐ permanent ☐ description: Proposed  
Single family home with driveway improvements and bridge crossing
9. ACTIVITY PURPOSE CODE (see instructions - one code only): A
10. ACTIVITY TYPE CODE(S) (see instructions for codes): 1, 2, 9, 12
11. WETLAND / WATERCOURSE AREA ALTERED (see instructions for explanation, must provide acres or linear feet):  
wetlands: 0.06 acres open water body: 0 acres stream: 0 linear feet
12. UPLAND AREA ALTERED (must provide acres): ± 5 AC acres
13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 0.15 acres

DATE RECEIVED:

### PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO

IWWC #22-1553

# Killingly Engineering Associates

## Civil Engineering & Surveying



P.O. Box 421 Killingly, CT 06241  
Phone: 860-779-7299  
www.killinglengineering.com

September 27, 2022

### Proposed Single Family Home

*Jim Collins*  
*Snake Meadow Road*  
*Killingly, CT*

### APPLICATION PACKAGE CONTENTS – Inland Wetlands

1. Application fee:

\$100.00 (base fee)  
\$ 60.00 (State fee)  
\$160.00 Total Fee

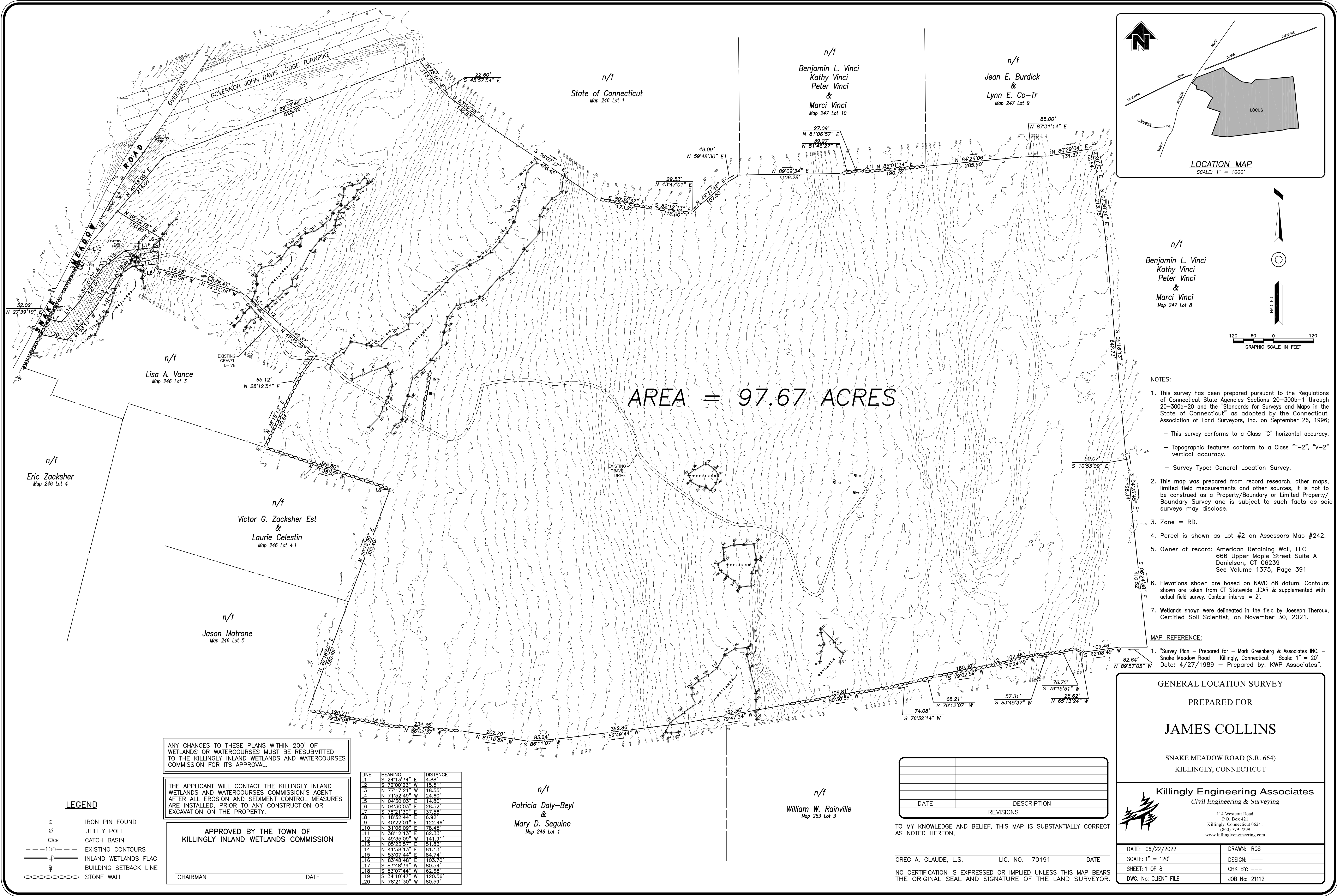
2. 3- full sized sets of plans & 1- 11 x 17 reduction set– Dated: 06/22/2022
3. Inland Wetlands Application
4. List of adjacent land owners including across the street
5. DEEP Reporting Form
6. Soil Scientist Report
7. Web Soil Survey Map
8. GIS mapping
9. Applicant's Certification

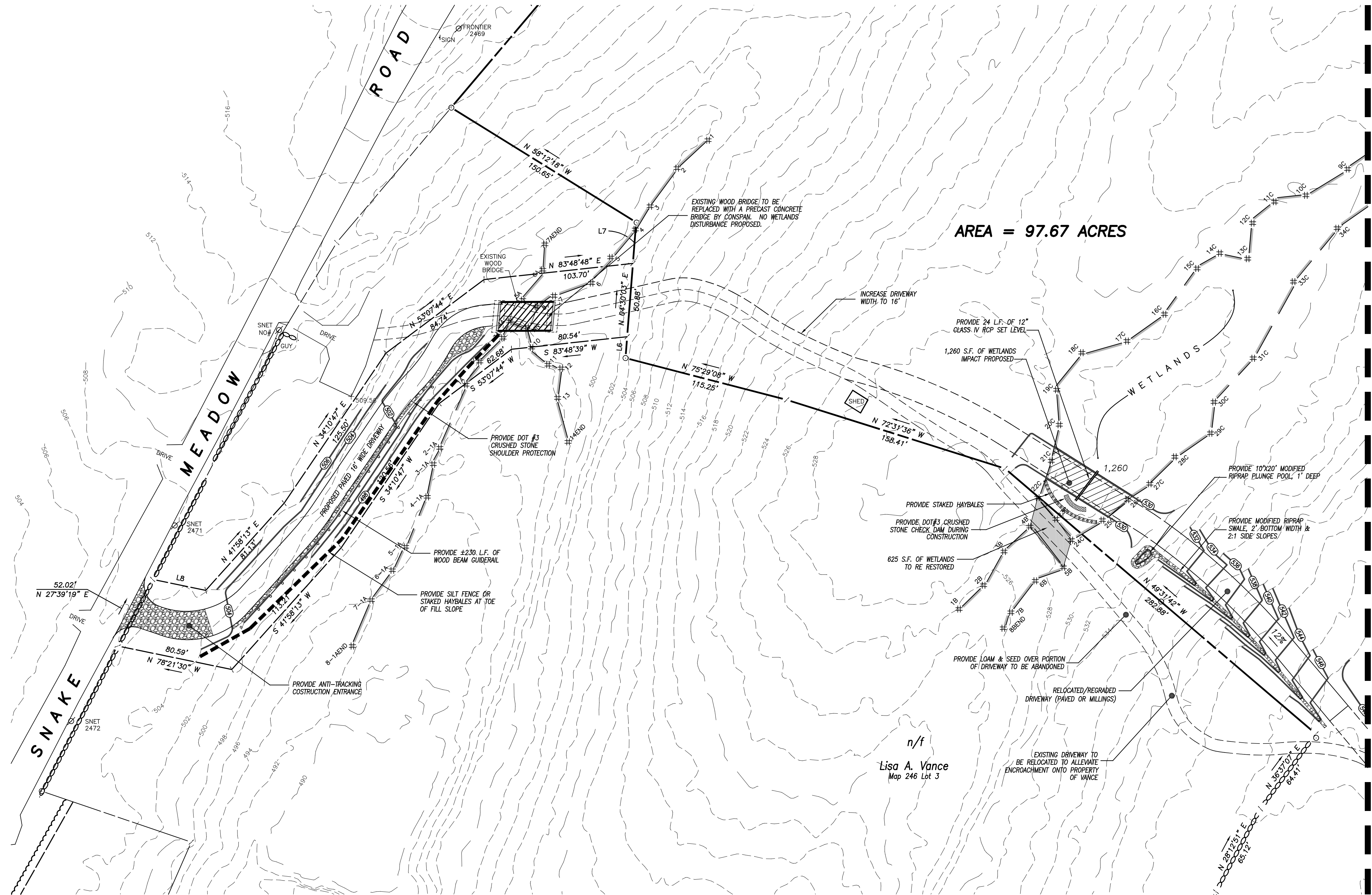
RECEIVED

SEP 29 2022

PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY







MATCHLINE SHEET 3



NOT TO SCALE

**Killingly Engineering Associates**  
*Civil Engineering & Surveying*  
 114 Westcott Road  
 P.O. Box 421  
 Killingly, Connecticut 06241  
 (860) 779-7299  
[www.killinglyengineering.com](http://www.killinglyengineering.com)

K:\21112\Drawings\02-04\_DRIVEWAY.dwg Sep 29, 2022 - 11:40 AM

○	IRON PIN FOUND
+	SIGN
⊙	UTILITY POLE
□CB	CATCH BASIN
---100---	EXISTING CONTOURS
<b>100</b>	PROPOSED CONTOURS
==+	INLAND WETLANDS FLAG
==B	BUILDING SETBACK LINE
○○○○○	STONE WALL

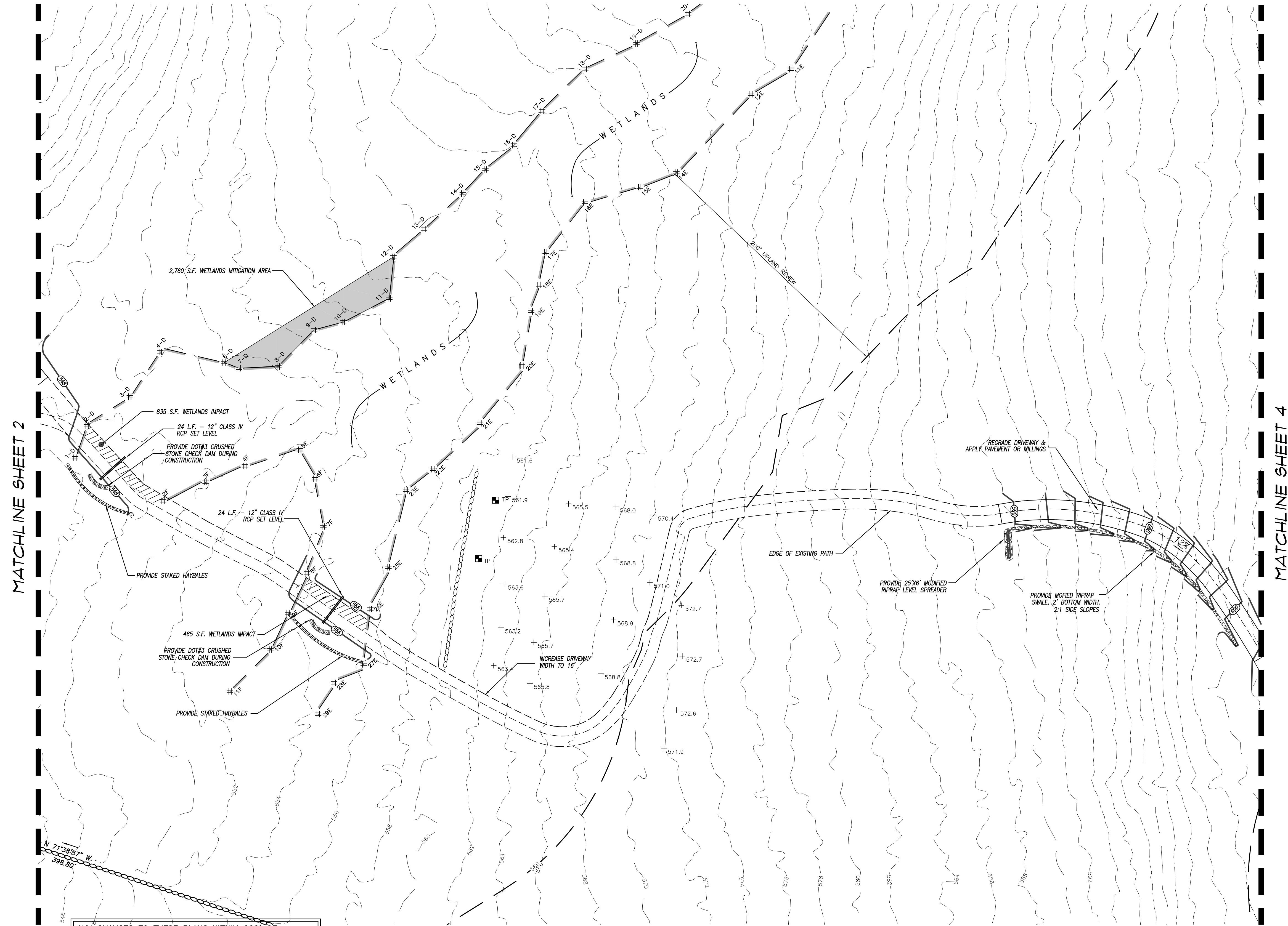
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CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

NORMAND E. THIBEAULT, JR., P.E.  
LIC #PEN 0022834

DATE \_\_\_\_\_









MATCHLINE SHEET 4

GENERAL LOCATION SURVEY  
PROPOSED DRIVEWAY DESIGN PLAN  
PREPARED FOR  
**JAMES COLLINS**  
SNAKE MEADOW ROAD (S.R. 664)  
KILLINGLY, CONNECTICUT

DATE: 06/22/2022	DRAWN: NET
SCALE: 1" = 40'	DESIGN: NET
SHEET: 3 OF 8	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 21112

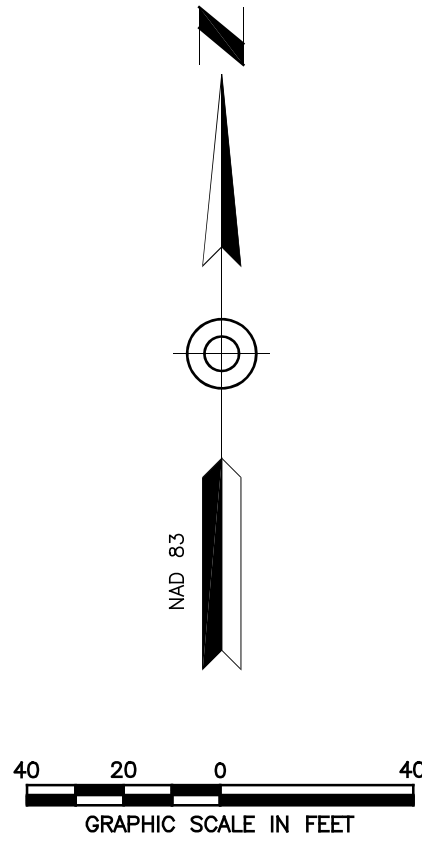
NORMAND E. THIBEAULT, JR., P.E. DATE  
LIC #PEN 0022834

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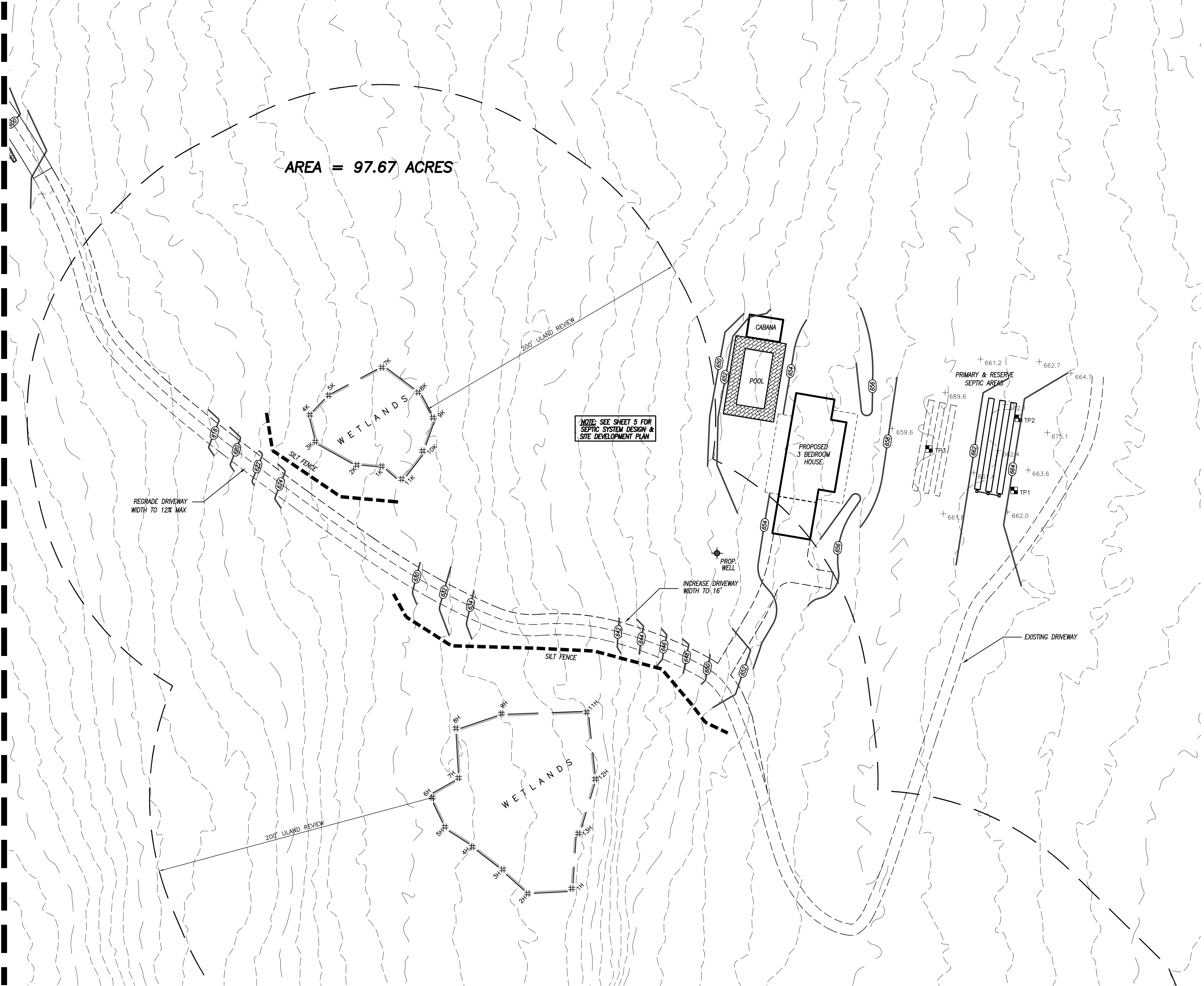
○	IRON PIN FOUND
I	SIGN
Ø	UTILITY POLE
□ CB	CATCH BASIN
---100---	EXISTING CONTOURS
	PROPOSED CONTOURS
	INLAND WETLANDS FLAG
	BUILDING SETBACK LINE
	STONE WALL

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_





MATCHLINE SHEET 3



NOTE: SEE SHEET 5 FOR SEPTIC SYSTEM DESIGN & SITE DEVELOPMENT PLAN

ANY CHANGES TO THESE PLANS WITHIN 200' OF WETLANDS OR WATERCOURSES MUST BE RESUBMITTED TO THE KILLINGLY INLAND WETLANDS AND WATERCOURSES COMMISSION FOR ITS APPROVAL.

THE APPLICANT WILL CONTACT THE KILLINGLY INLAND WETLANDS AND WATERCOURSES COMMISSION'S AGENT AFTER ALL EROSION AND SEDIMENT CONTROL MEASURES ARE INSTALLED, PRIOR TO ANY CONSTRUCTION OR EXCAVATION ON THE PROPERTY.

APPROVED BY THE TOWN OF KILLINGLY INLAND WETLANDS COMMISSION

CHAIRMAN DATE

LEGEND

- o IRON PIN FOUND
- + SIGN
- Ø UTILITY POLE
- CB CATCH BASIN
- - - 100 - - - EXISTING CONTOURS
- 100 PROPOSED CONTOURS
- # INLAND WETLANDS FLAG
- B BUILDING SETBACK LINE
- o o o o o STONE WALL

DATE	DESCRIPTION
	REVISIONS

GENERAL LOCATION SURVEY  
PROPOSED DRIVEWAY DESIGN PLAN  
PREPARED FOR

JAMES COLLINS

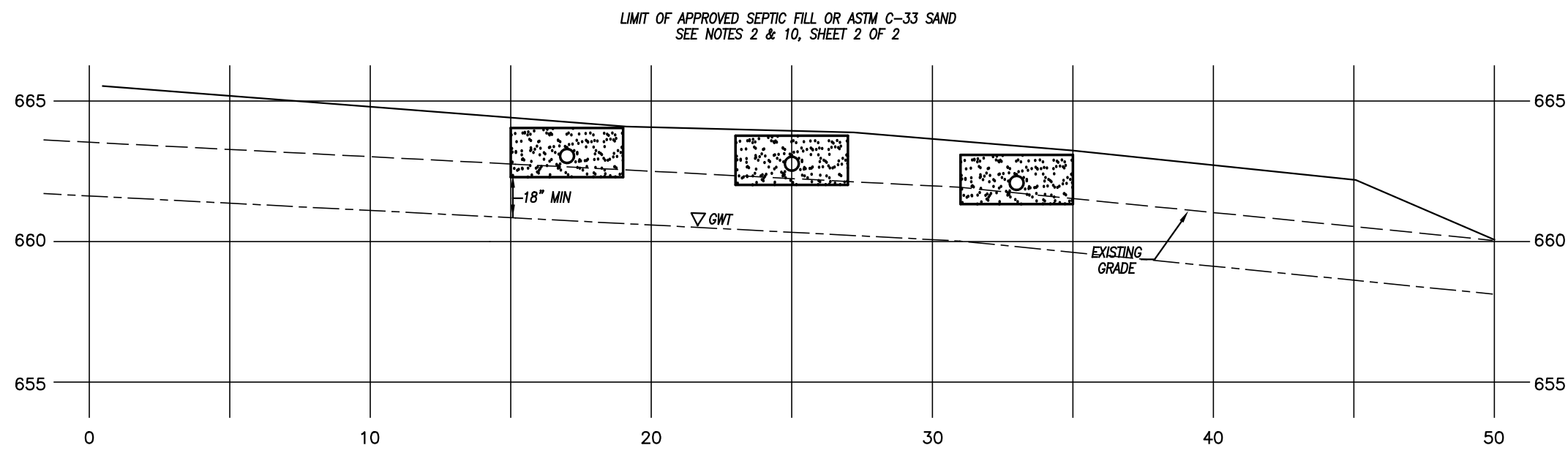
SNAKE MEADOW ROAD (S.R. 664)  
KILLINGLY, CONNECTICUT

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Killingly, Connecticut 06241  
(860) 779-7299  
www.killinglyengineering.com

DATE: 06/22/2022	DRAWN: NET
SCALE: 1" = 40'	DESIGN: NET
SHEET: 4 OF 8	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 21112

NORMAND E. THIBEAULT, JR., P.E. DATE  
LIC #PEN 0022834



CROSS SECTION "A-A"

SCALE: 1" = 5'

PERCOLATION TEST RESULT — March 23, 2022  
NORTHEAST DISTRICT DEPARTMENT OF HEALTH

HOLE 1	
Depth = 22"	Rate = 6.7 min./in.
Time	Reading
9:35	5"
9:40	7.5"
9:45	9"
9:50	10.5"
9:55	11.5"
10:00	12.5"
10:05	13.25"
10:10	14"
10:15	17.75"

TEST HOLE DATA — March 23, 2022  
Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
1	0"-8" 8"-23" 23"-60" 60"-73" Ledge GWT Mottling Restrictive	Topsail/Organics Loamy Sand Mottled Grey Comp Pan Groundwater N/A 60" Seeps @ 39" 23"
2	0"-13" 13"-24" 24"-60" 60"-72" Ledge GWT Mottling Restrictive	Topsail/Organics Loamy Sand Mottled Grey Comp Pan Groundwater N/A 60" Seeps @ 33" 24" 24"
3	0"-11" 11"-23" 23"-66" 66"-79" Ledge GWT Mottling Restrictive	Topsail/Organics Loamy Sand Mottled Grey Comp Pan Groundwater N/A 66" Seeps @ 36" 23" 23"

SEPTIC SYSTEM DESIGN DATA

Percolation Rate	= 6.7 min. / in.
4 bedroom house requires	= 577.5 s.f. effective leaching area
Effective Leaching area	= 3 s.f. / l.f. of trench
Length Required	= 577.5/3 = 192.5 l.f.
Length Provided	= 3 (65') = 195 l.f.
Min. Leaching System Spread (MLSS)	= 34 x 1.5 x 1.0 = 51'
MLSS Provided	= 195'
LEACHING FIELD	
3 Trenches @ 65 l.f. each	
Maximum depth into existing grade	= 5"

NOTES:

- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;
  - This survey conforms to a Class "C" horizontal accuracy.
  - Topographic features conform to a Class "T-2", "V-2" vertical accuracy.
  - Survey Type: General Location Survey.
- This map was prepared from record research, other maps, limited field measurements and other sources, it is not to be construed as a Property/Boundary or Limited Property/Boundary Survey and is subject to such facts as said surveys may disclose.
- Zone = RD.
- Parcel is shown as Lot #2 on Assessors Map #242.
- Owner of record: Jim Collins  
666 Upper Maple Street Suite A  
Danielson, CT 06239  
See Volume 1375, Page 391
- Elevations shown are based on an assumed datum. Contours shown are taken from actual field survey. Contour interval = 2'.
- Wetlands shown were delineated in the field by Joseph Theroux, Certified Soil Scientist, in November 30, 2021.

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- "Survey Plan - Prepared for - Mark Greenberg & Associates INC. - Snake Meadow Road - Killingly, Connecticut - Scale: 1" = 20' - Date: 4/27/1989 - Prepared by: KWP Associates".

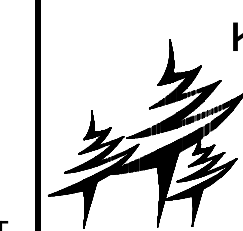
DATE	DESCRIPTION
	REVISIONS

GENERAL LOCATION SURVEY  
SEPTIC SYSTEM DESIGN PLAN

PREPARED FOR

JAMES COLLINS

SNAKE MEADOW ROAD (S.R. 664)  
KILLINGLY, CONNECTICUT



Killingly Engineering Associates  
Civil Engineering & Surveying

114 Westcott Road  
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(860) 779-7299  
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DATE: 06/22/2022	DRAWN: RGS
SCALE: 1" = 20'	DESIGN: ---
SHEET: 5 OF 8	CHK BY: ---
DWG. No: CLIENT FILE	JOB No: 21112

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT  
AS NOTED HEREON,

GREG A. GLAUDE, L.S. LIC. NO. 70191 DATE

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS  
THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

APPROVED BY THE TOWN OF  
KILLINGLY INLAND WETLANDS COMMISSION

CHAIRMAN DATE

LINE	BEARING	DISTANCE
L1	S 24°13'34" E	4.88'
L2	S 72°00'23" W	15.51'
L3	N 77°17'41" W	18.55'
L4	N 71°52'49" W	24.60'
L5	N 29°28'50" E	17.00'
L6	N 04°30'03" E	14.80'
L7	N 04°30'03" E	28.52'
L8	S 78°21'30" E	137.56'

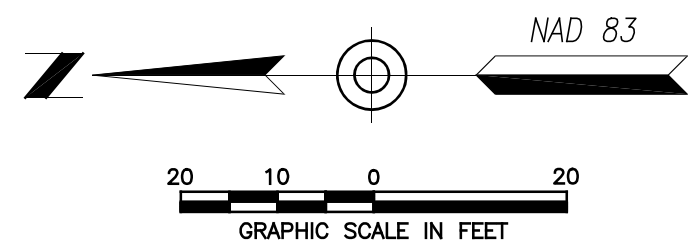
ANY CHANGES TO THESE PLANS WITHIN 200' OF  
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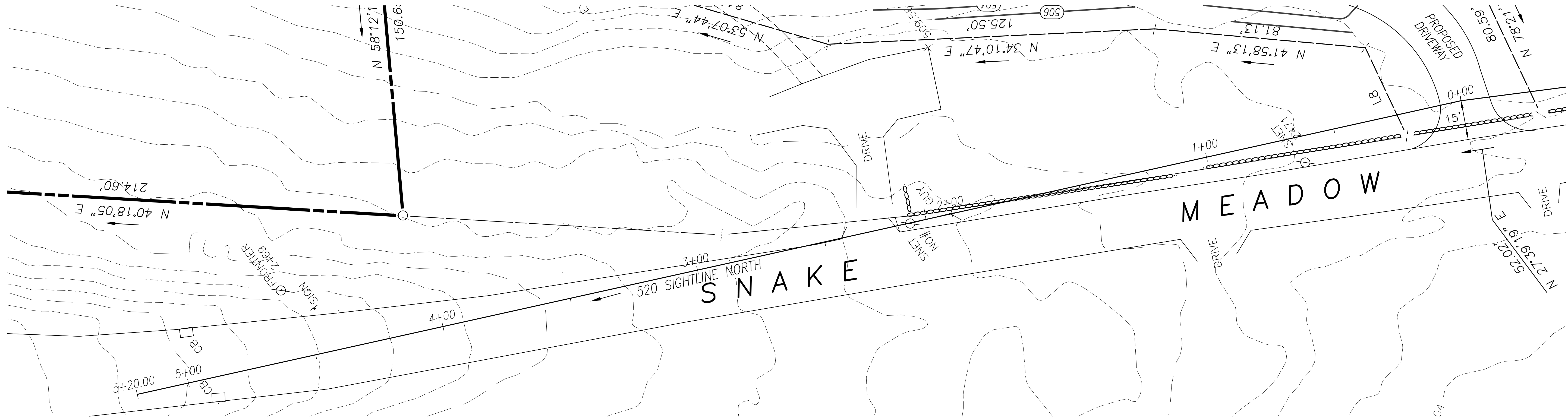
LEGEND

F.F.	FINISHED FLOOR
Ø	UTILITY POLE
---100---	EXISTING CONTOURS
(100)	PROPOSED CONTOURS
#	INLAND WETLANDS FLAG
---	BUILDING SETBACK LINE
●	PERCOLATION TEST HOLE
■	TEST HOLE
---	STONE WALL
---	SILT FENCE

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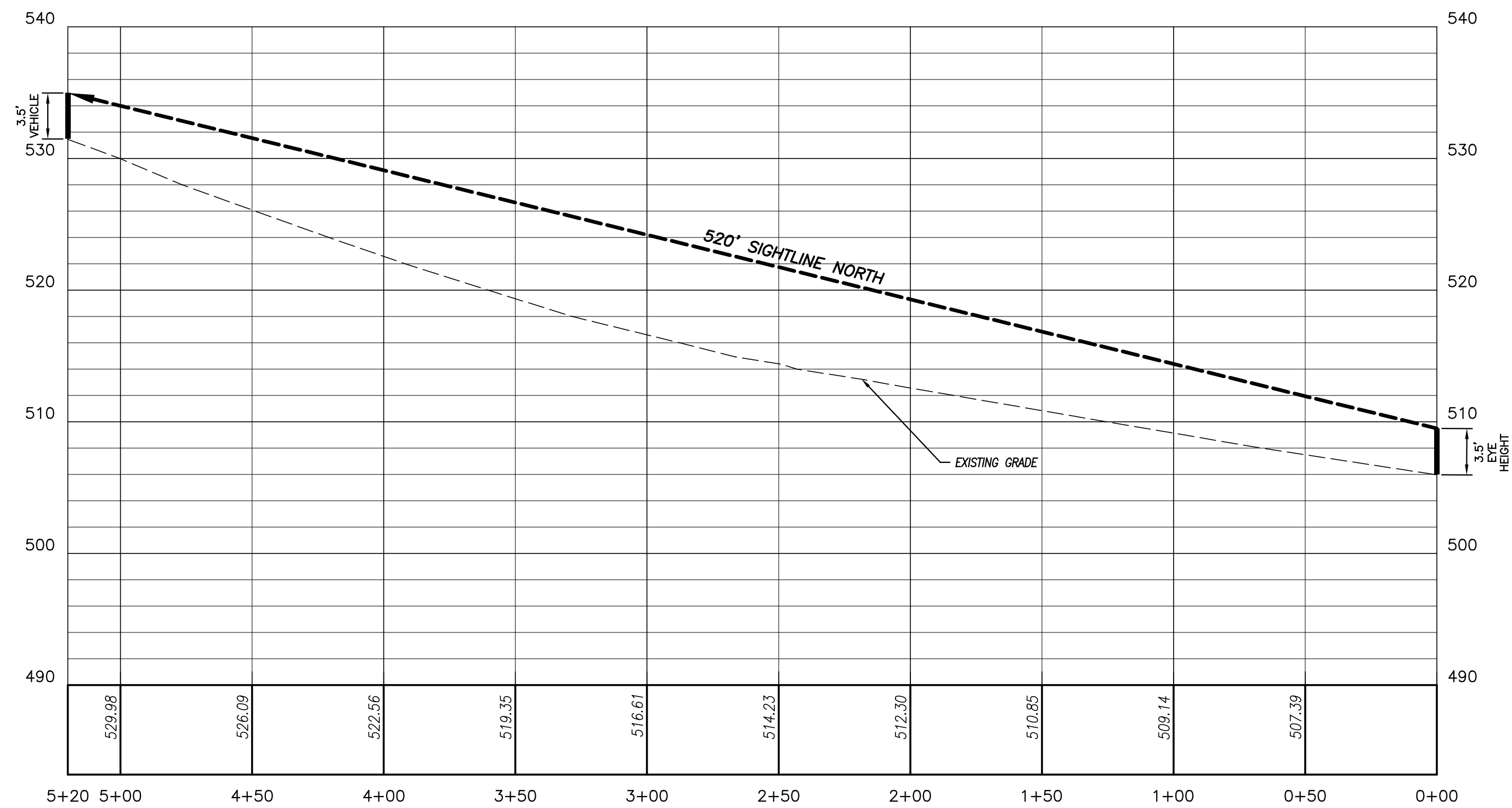


- LEGEND**
- IRON PIN FOUND
  - + SIGN
  - Ø UTILITY POLE
  - CB CATCH BASIN
  - - - 100 - - - EXISTING CONTOURS
  - 100 PROPOSED CONTOURS
  - # INLAND WETLANDS FLAG
  - B BUILDING SETBACK LINE
  - ○ ○ ○ ○ STONE WALL



**SIGHTLINE PLAN VIEW**  
SCALE = 1" = 20'

POSTED SPEED LIMIT = 35 M.P.H.



**SIGHTLINE PROFILE**  
HORIZONTAL SCALE = 1" = 40'  
VERTICAL SCALE = 1" = 4'

LINE	BEARING	DISTANCE
L1	S 24°13'34" E	4.88'
L2	S 72°00'23" W	15.51'
L3	N 77°17'21" W	18.55'
L4	N 71°52'49" W	24.60'
L5	N 20°29'50" E	7.00'
L6	N 04°30'03" E	14.80'
L7	N 04°30'03" E	29.52'
L8	S 78°21'30" E	37.59'

NORMAND E. THIBEAULT, JR., P.E. DATE  
LIC #PEN 0022834

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GREG A. GLAUDE, L.S. LIC. NO. 70191 DATE

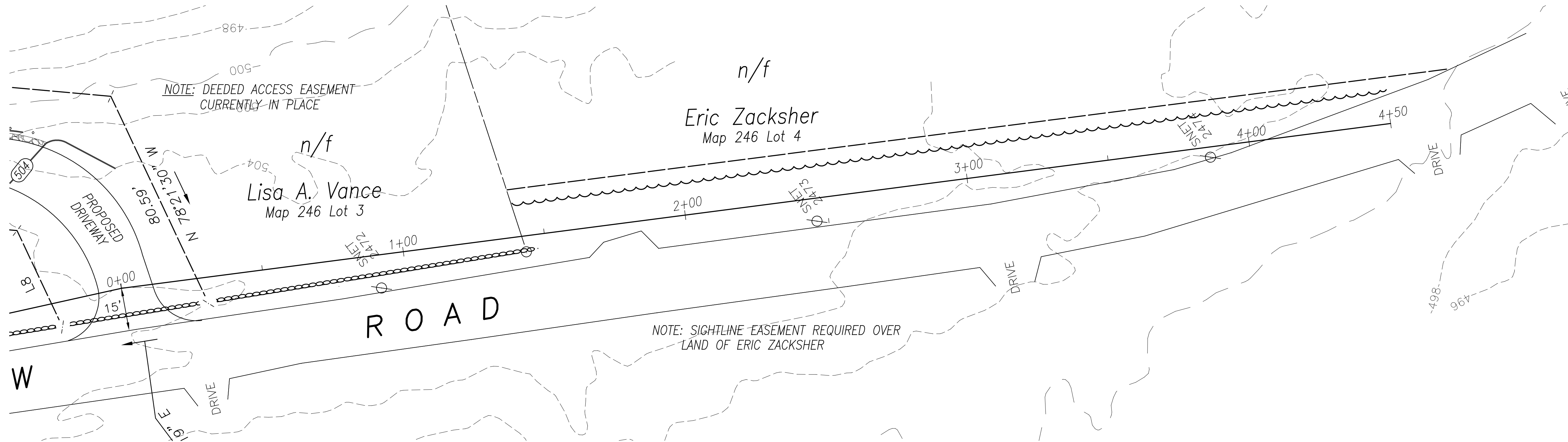
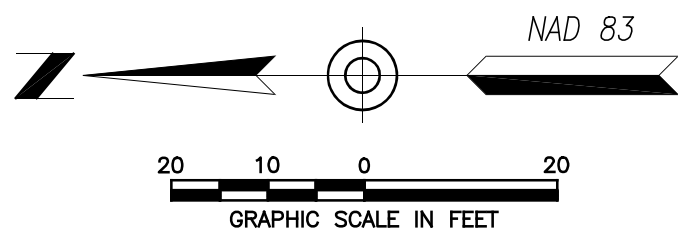
NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS  
THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

DATE	DESCRIPTION
	REVISIONS

GENERAL LOCATION SURVEY  
SIGHT LINE DEMONSTRATION PLAN  
PREPARED FOR  
**JAMES COLLINS**  
SNAKE MEADOW ROAD (S.R. 664)  
KILLINGLY, CONNECTICUT

**Killingly Engineering Associates**  
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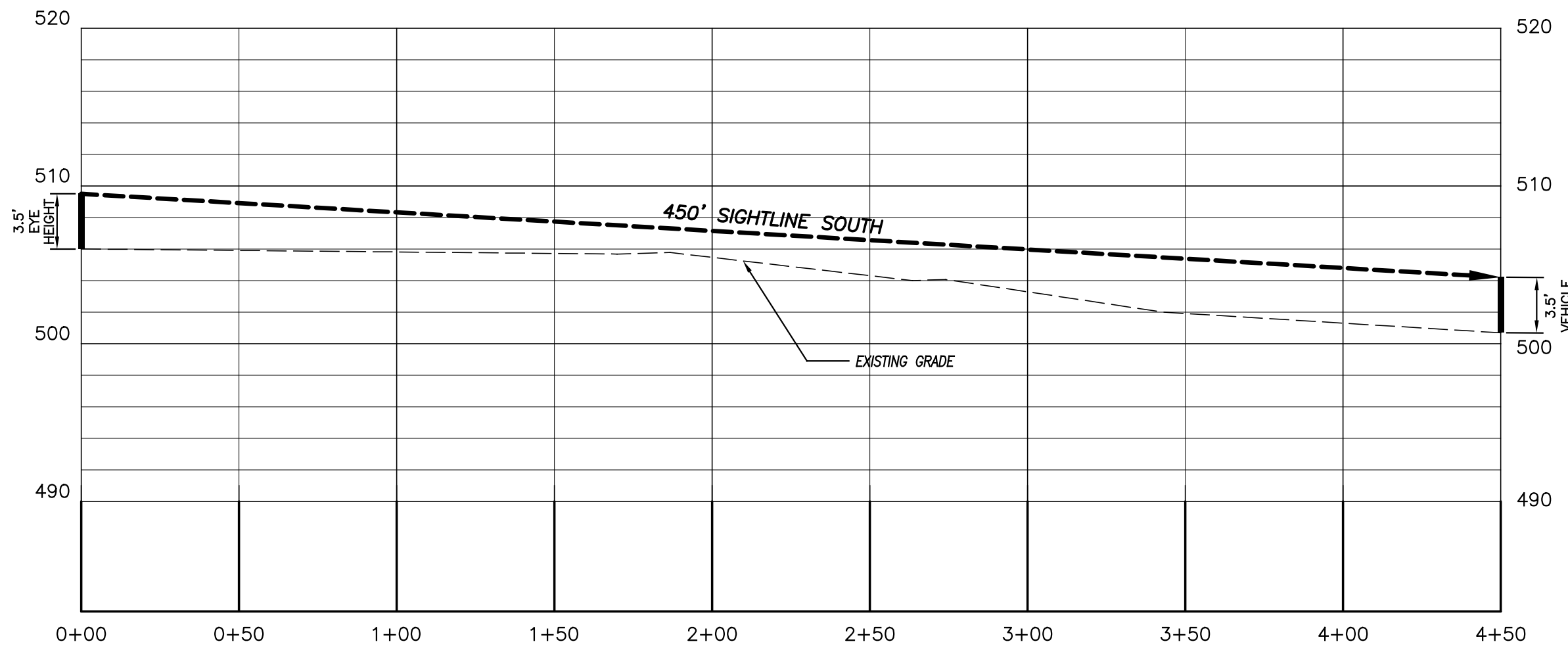
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SCALE: 1" = 40' DESIGN: NET  
SHEET: 6 OF 8 CHK BY: GG  
DWG. No: CLIENT FILE JOB No: 21112



SIGHTLINE PLAN VIEW

SCALE = 1" = 20'

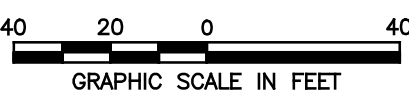
POSTED SPEED LIMIT = 35 M.P.H.



SIGHTLINE PROFILE

HORIZONTAL SCALE = 1" = 40'

VERTICAL SCALE = 1" = 4'



LEGEND

- IRON PIN FOUND
- SIGN
- UTILITY POLE
- CATCH BASIN
- EXISTING CONTOURS
- PROPOSED CONTOURS
- INLAND WETLANDS FLAG
- BUILDING SETBACK LINE
- STONE WALL

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NORMAND E. THIBEAULT, JR., P.E.  
LIC #PEN 0022834

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DATE	DESCRIPTION
	REVISIONS

GENERAL LOCATION SURVEY  
SIGHT LINE DEMONSTRATION PLAN

PREPARED FOR

JAMES COLLINS

SNAKE MEADOW ROAD (S.R. 664)  
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DATE: 06/22/2022	DRAWN: NET
SCALE: 1" = 40'	DESIGN: NET
SHEET: 7 OF 8	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 21112





Property within 500' of adjoining Town boundary? \_\_\_\_\_  
If so, which town(s)? \_\_\_\_\_  
Date the notice was sent by KIWWC to town clerk of adjoining municipality(ies) \_\_\_\_\_  
Receipt date of copy of Applicants notice to adjoining municipality \_\_\_\_\_

Application #: 22-1555  
Date Submitted: 11/7/2022  
Date of Receipt by Comm.: 12/5/2022  
Fee: X T.O.K.  
Staff Initials: JMA

**KILLINGLY INLAND WETLANDS & WATERCOURSES COMMISSION APPLICATION**

A \$100.00 base fee (or, for a proposed subdivision, \$100.00 per lot, whichever is greater) **plus \$60.00** state fee must accompany each application **(Total fee: \$160.00)**. **THIS FEE IS NON-REFUNDABLE.** Checks or money orders should be made payable to the Town of Killingly. **Public hearing fee: \$225.00** required in addition to the above fees if a public hearing is required by the commission(s) and not already included.

**TO BE COMPLETED BY THE APPLICANT - PLEASE PRINT**

Applicant's Name: Town of Killingly  
Day Phone #: 860-779-5360 Evening Phone #: \_\_\_\_\_  
Mailing Address: 172 Main St Killingly CT 06239  
Owner of Record: Town of Killingly  
Mailing Address: 172 Main St. Killingly CT 06239 Phone #: 860-779-5360

Applicant's interest in the land if the applicant is not the property owner: \_\_\_\_\_

Authorization of property owner: \_\_\_\_\_

**LOCATION OF PROPERTY:**

House # and Street: 580 Hartford Pike  
Tax Map Number: \_\_\_\_\_ Block: 114 Lot: 43  
Zoning District: VC/LD Lot Size: 50 acres Lot Frontage: 420 FT  
Easements and/or deed restrictions: \_\_\_\_\_

**PURPOSE:**

Provide the purpose and description of the proposed activity, including a list of all proposed regulated activities:  
Dredge pond to increase capacity for irrigation of recreational fields

RECEIVED

NOV 07 2022

PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

**ON-SITE WETLANDS AND WATERCOURSES:**

Windham County wetland soil types and areas of each type: 5.10 acre of pond sediment  
surrounding area is comprised of udorthents - complex  
moderately well drained soils that have been disturbed and are covered by buildings

Watercourse(s) - type (pond, stream, marsh, bog, drainage ditch, etc.), manmade or natural, and area of each:

Pond is 1.10 acre

**ALTERNATIVES:**

List alternatives considered by the applicant and state why the proposal to alter wetlands as set forth in the application is necessary and was chosen:

Well drilling was considered. However use of surface water  
poses less long term problems than the use of groundwater

**MATERIALS:**

Provide the volume (cubic yard) and nature of materials to be deposited and/or extracted:

approximately 14,000 cy will be removed from the pond and  
stored on the adjacent track infield. Once it dewateres the soil  
will be brought to the Davis property for field construction.

**MITIGATIVE MEASURES:**

List measures to be taken to minimize or avoid any adverse impact on the regulated area:

Silt Fence and or Staked Hay bales/wattles etc. Dewatering Basin

**BIOLOGICAL EVALUATION:**

Describe the ecological communities and functions of the wetlands or watercourses involved with the application and the effects of the proposed regulated activities on these communities and wetland functions:

The pond currently holds water fowl, fish and other amphibians.  
The fish will be relocated to the extent possible. The habitat will be  
restored once dredging is completed.

**SITE PLAN\*:**

Scale 1"=40' showing existing and proposed conditions in relation to wetlands and water courses to include, but not be limited to:

Contours

Buildings

Wells

Driveways

Septic Systems

Drainage Systems (Including Culverts, Footing and Curtain Drains)

Erosion and Sedimentation controls

Wetlands

Watercourses

Areas of Excavation and /or Material Deposit

***\*Refer to Section 6.0 – Application Information Requirements and Section 7.0 – Application Evaluation Criteria of the Killingly Inland Wetlands & Watercourses Commission Regulations for information the Commission may require. Professionally prepared plans (Licensed Land Surveyor/Professional Engineer registered in the State of Connecticut, Soil Scientist) may be required for significant activities.***

**ADDITIONAL INFORMATION:**

List additional information submitted by the applicant:

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The applicant understands that this application is to be considered complete only when all information and documents required by the Commission have been submitted. The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his/her knowledge and belief. Permission is granted to the Town of Killingly, Killingly Inland Wetlands & Watercourses Commission, and its agent (s) to walk the land, at reasonable times, and perform those tests necessary to properly review the application, both before and after a final decision has been issued.

Applicant's Signature: Dan Cepurley Date: 10/24/22  
Owner of Record: Town of Killingly Date: 10/24/22



# TOWN OF KILLINGLY PLANS

FOR IMPROVEMENTS TO

# OWEN BELL PARK POND










PREPARED BY  
ENGINEERING DEPARTMENT

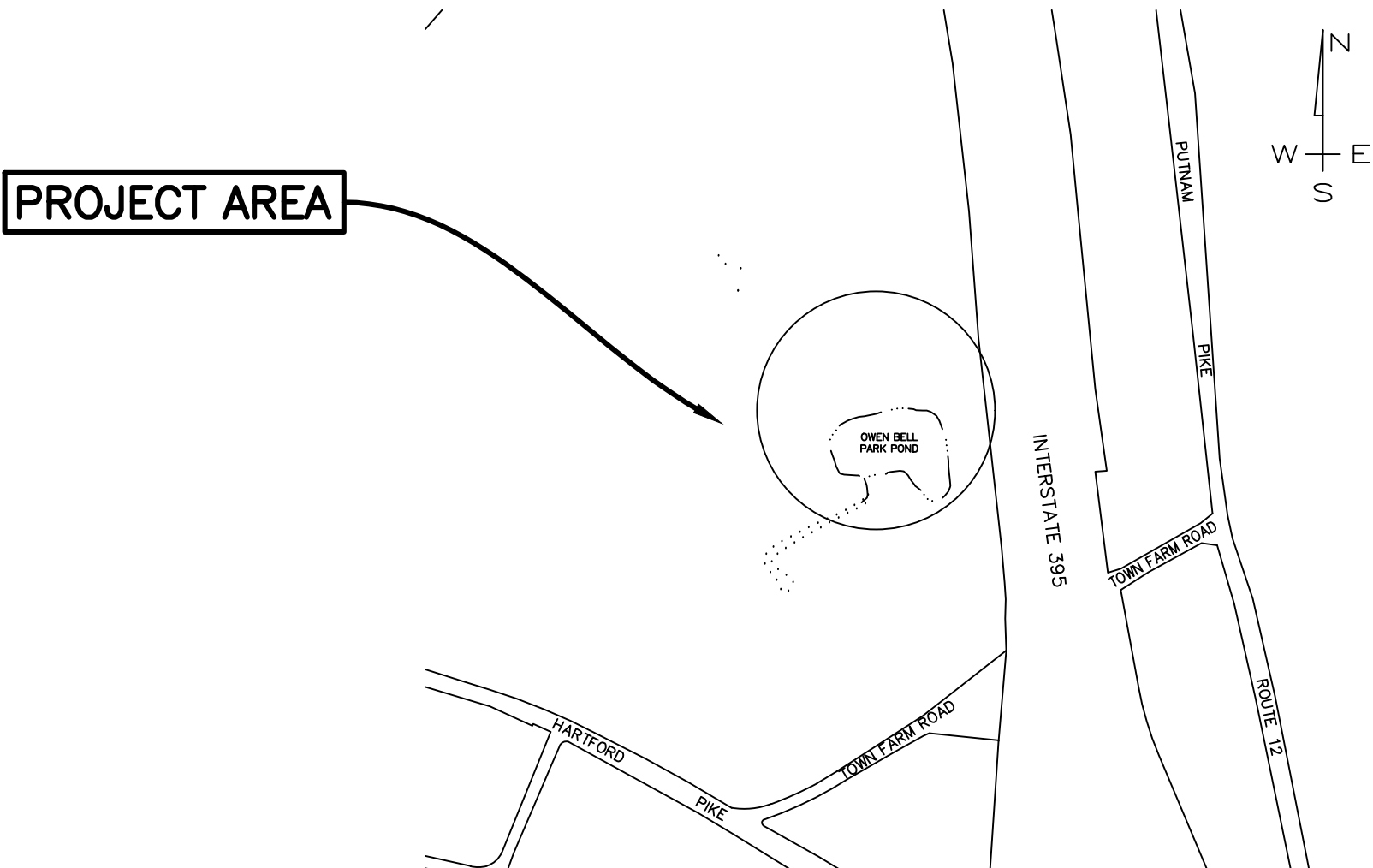
NOVEMBER, 2022

## INDEX TO DRAWINGS

1. TITLE SHEET
2. DREDGING PLAN & SECTION
3. DEWATERING PLAN
4. DETAILS & NOTES

### LEGEND

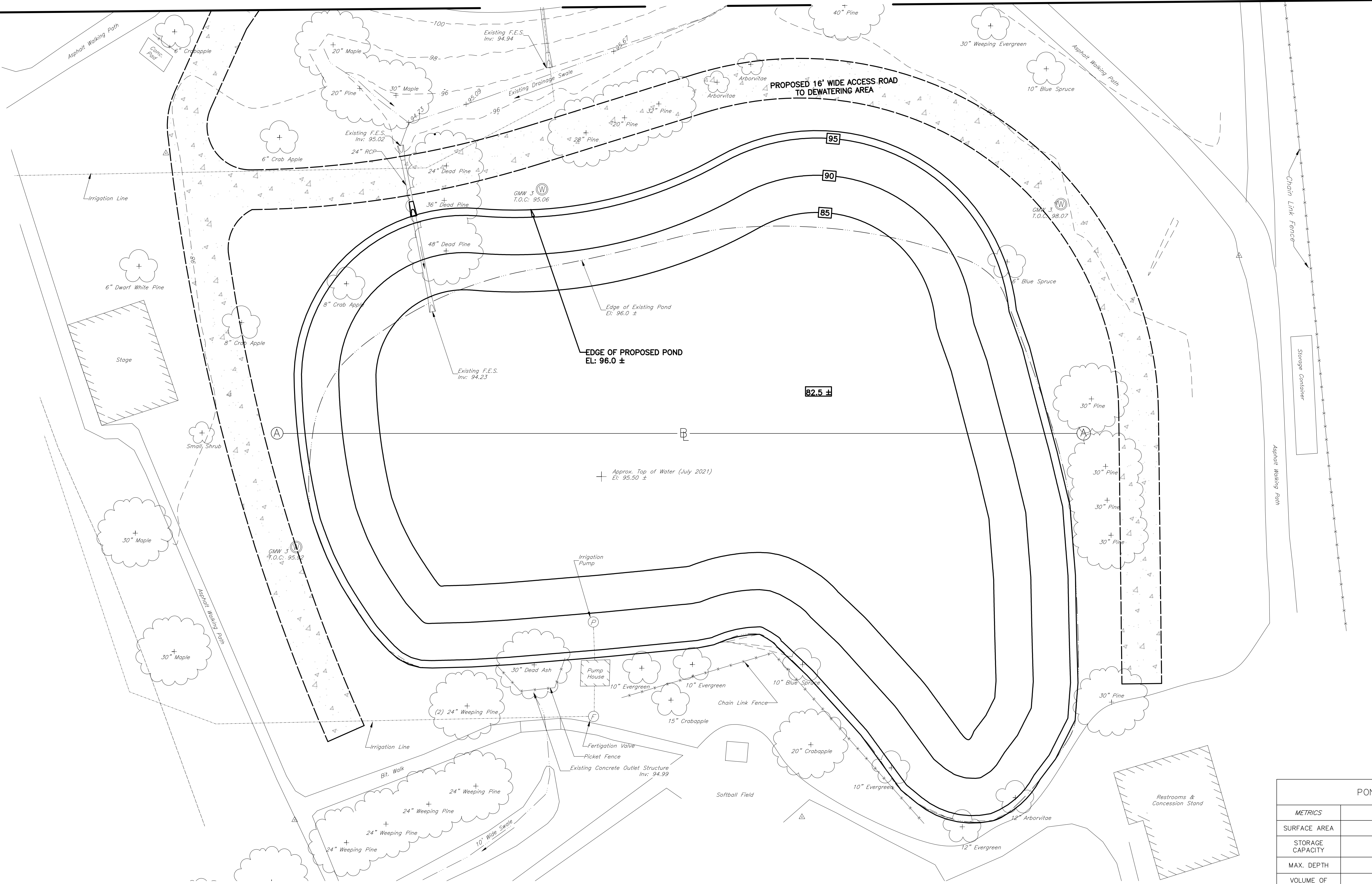
	IRRIGATION LINE
	APPROX. RIGHT OF WAY LINE
	SILT FENCE
	IRON PIN FOUND
	SURVEY TRAVERSE POINT
	UTILITY POLE
	WATER GATE
	EXISTING CATCH BASIN
	TEST PIT
V.C.T.P.	VITRIFIED CLAY TILE PIPE
P.V.C.	POLYVINYL CHLORIDE PIPE
R.C.P.	REINFORCED CONCRETE PIPE



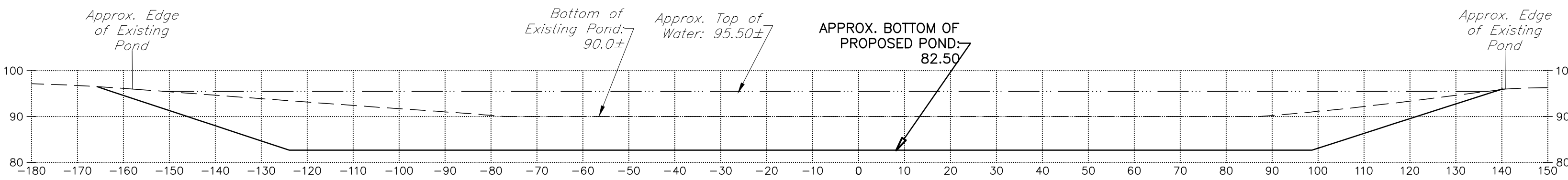
LOCATION PLAN

\*NOT TO SCALE\*

MATCH LINE SEE SHEET 3



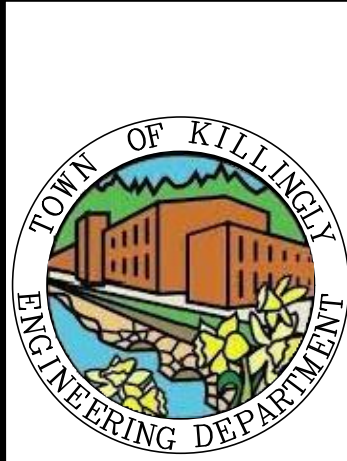
PLAN VIEW  
1"=20'



SECTION VIEW  
H: 1"=20'  
V: 1"=20'

POND COMPARISON TABLE		
METRICS	EXISTING POND	PROPOSED POND
SURFACE AREA	51,047 SF	58,997.15 SF
STORAGE CAPACITY	1,306,135.562 GAL	4,088,761.656 GAL
MAX. DEPTH	+/- 4.5 FT	+/- 13 FT
VOLUME OF MATERIAL TO BE REMOVED	-	14,495.50 CY

DREDGING PLAN & SECTION

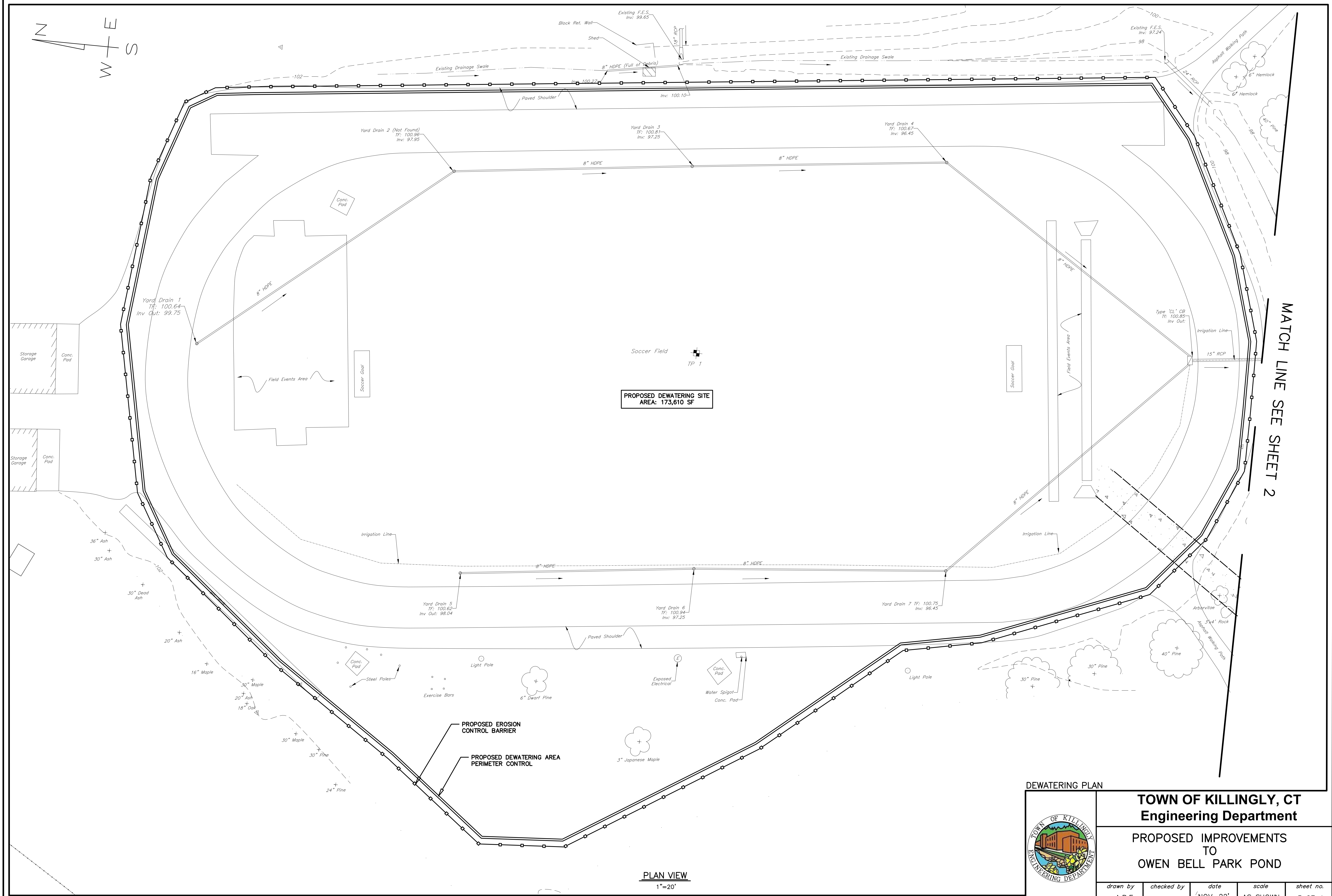


TOWN OF KILLINGLY, CT  
Engineering Department

PROPOSED IMPROVEMENTS  
TO  
OWEN BELL PARK POND

drawn by	checked by	date	scale	sheet no.
A.B.E.		NOV. 22'	AS SHOWN	2 OF 4



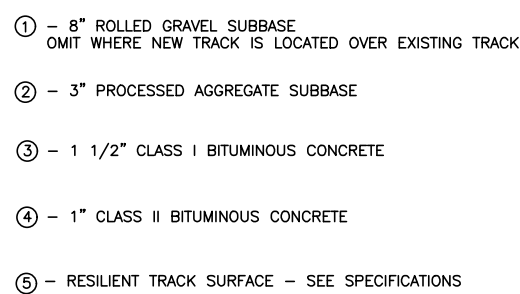




1. THE HORIZONTAL DATUM SHOWN HEREON IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83) CONNECTICUT STATE PLANE COORDINATE SYSTEM, FEET.
2. THE VERTICAL DATUM FOR TOPOGRAPHY SURROUNDING THE POND AND BATHYMETRY IN THE POND REFERENCES NAVD88.
3. POND BOTTOM CONTOURS ARE IN FEET, AND WERE GENERATED USING AUTOCAD CIVIL 3D. DATA TO CREATE CONTOURS FROM WATER DEPTH MEASUREMENTS IN THE FIELD BY THE TOWN OF KILLINGLY STAFF IN JULY 2021 AND CAN ONLY BE CONSIDERED TO REPRESENT CONDITIONS EXISTING AT THAT TIME. THE WATER SURFACE ELEVATION AT THE TIME OF FIELD MEASUREMENTS WAS 95.50 FEET AND ALL WATER DEPTHS ARE REFERENCED TO THIS ELEVATION.
4. PROPOSED DREDGE AND EXCAVATION CONTOURS SHOWN ARE APPROXIMATE. PROJECT OBJECTIVE IS TO DREDGE AND EXCAVATE ACCUMULATED SOFT SEDIMENT WITHIN THE PROJECT LIMITS AND CREATE A BASIN WITH A MAXIMUM DEPTH OF 13 FEET BELOW WATER SURFACE, CONTOURS SHOWN RESULT IN A DREDGE VOLUME OF APPROXIMATELY
5. SEDIMENT DEWATERING TO OCCUR ON ADJACENT SOCCER FIELD TO THE NORTH AS SHOWN ON PLANS.

1. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES, AS SPECIFIED ON THE DRAWINGS AS NECESSARY, AND IS REQUIRED BY THE PERMITS.
2. PERIMETER SOIL, AND EROSION CONTROLS SHALL BE PLACED PRIOR TO ANY CONSTRUCTION ACTIVITIES, CONTRACTOR TO NOTIFY THE ENGINEER AT LEAST 38 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES. ALL SOIL AND EROSION CONTROLS SHALL BE CHECKED AND REPAIRED AS NECESSARY BY THE CONTRACTOR.
3. ALL STOCKPILE AREAS SHALL BE SURROUNDED BY EROSION CONTROL BARRIERS UNTIL SUCH TIME AS THE MATERIAL IS RESPAID AND STABILIZED OR TRANSPORTED OFFSITE.
4. TEMPORARY STOCKPILES OF DREDGED/EXCAVATED MATERIAL SHALL BE LOCATED ON-SITE, WITHIN THE DESIGNATED AREAS, ANY MATERIAL NOT RE-USED ON-SITE SHALL BE TRUCKED TO AN ACCEPTABLE OFF-SITE DISPOSAL LOCATION IN ACCORDANCE WITH THE PROJECTS PERMITS.
5. EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY AND DURING AND AFTER EVERY RAIN EVENT, ANY NECESSARY REPLACEMENT OR REPAIR SHALL BE PERFORMED PROMPTLY BY THE CONTRACTOR.
6. DUST SHALL BE CONTROLLED IN ACCORDANCE WITH THE SPECIFICATIONS AND APPLICABLE REGULATIONS.
7. THE CONTRACTOR SHALL PHASE DREDGING OPERATIONS TO MINIMIZE THE AREA DISTURBED OR OPEN TO THE ELEMENTS AT ANY GIVEN TIME.
8. THE SITE SHALL BE LEFT AT A STABLE CONDITION AT THE CLOSE OF EACH DAY.

1. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-800-344-7223 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION.
2. THE CONTRACTOR SHALL, UNDER THE DIRECTION OF THE ENGINEER, ESTABLISH "CONSTRUCTION LIMITS" ON THE SITE BY ACCEPTABLE VISIBLE MARKERS. ALL WORK AND EQUIPMENT SHALL BE CONFINED TO WITHIN THESE LIMITS, UNLESS OTHERWISE SPECIFICALLY AUTHORIZED.
3. NO CHANGES ARE TO BE MADE UNLESS AUTHORIZED BY THE ENGINEER & OR THE TOWN OF KILLINGLY.
4. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY CODES, REGULATIONS, LEGAL REQUIREMENTS, PERMIT CONDITIONS, ETC.
5. ALL SURFACES DISTURBED BY THIS WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AS DETAILED OR SPECIFIED BY THE ENGINEER.
6. DREDGING SEQUENCE SHALL BE COORDINATED TO MINIMIZE DISTURBANCE OF EXISTING CONDITIONS AND OPERATIONS.
7. DREDGING SHALL TAKE PLACE WITHIN APPROVED WORK WINDOWS.
8. ALL EXISTING PIPING AND STRUCTURES EXPOSED DURING EXCAVATION SHALL BE ADEQUATELY SUPPORTED, BRACED, OR OTHERWISE PROTECTED DURING DREDGING ACTIVITIES.
9. WORK SHALL COMPLY WITH APPLICABLE MUNICIPAL, STATE, AND FEDERAL PERMITS AND REQUIREMENTS.
10. THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL AUTHORIZATIONS NECESSARY FOR CONSTRUCTION AND DREDGED MATERIAL TRANSPORT VEHICLE ENTRY/EXIT/TRAVEL ON STATE AND LOCAL ROADS.
11. NO DREDGED MATERIAL CONTAINING FREE DRAINING LIQUIDS (AS DETERMINED BY THE EPA PAINT FILTER TEST) SHALL BE TRANSPORTED OVER STATE OR LOCAL ROADS.



N.T.S.

DRILLER: T. CZMYR  
INSPECTOR:

DRILLER: T. CZMYR

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INSPECTOR:

DRILLER: T. CZMYR  
INSPECTOR:

<i>drawn by</i>	<i>checked by</i>	<i>date</i>	<i>scale</i>	<i>sheet no.</i>
A.B.E.		NOV. 22'	AS SHOWN	4 OF 4





CT DEEP #PMBR.02020  
NYS DEC# 13326  
CT HIC.0647669

2 Tipping Drive  
P.O. Box 231  
Branford, CT 06405  
Phone: 203.245.1212  
www.allhabitat.com

October 19, 2022

Meriam and Joel Smith  
10 Kies Road  
Killingly, CT 06239

Dear Meriam and Joel,

Thank you for your interest in All Habitat Services, LLC for invasive species management needs at your 10 Kies Rd property in Killingly, CT. Based on our site visit and the provided CT DEEP forester recommendations, we are pleased to offer the following proposal for your consideration.

Within your 33-acre property, several areas have been identified for invasive species management. The primary area of concern is the wetland forest stand (Stand 2) containing understory with dominant infestations of Japanese barberry (*Berberis thunbergii*), multiflora rose (*Rosa multiflora*), Oriental bittersweet (*Celastrus orbiculatus*), bush honeysuckles (*Lonicera spp.*), winged euonymus (*Euonymus alatus*), and Japanese stilt grass (*Microstegium vimineum*). The stonewall boundary around the house and fields and up to the forest edge is currently threatened by pressure from Japanese barberry (*Berberis thunbergii*), multiflora rose (*Rosa multiflora*), Oriental bittersweet (*Celastrus orbiculatus*), poison ivy (*Toxicodendron radicans*), bush honeysuckles (*Lonicera spp.*), winged euonymus (*Euonymus alatus*), Japanese stilt grass (*Microstegium vimineum*), Japanese knotweed (*Polygonium cuspidatum*), and wild grape vine (*Vitis riparia*). In addition, the fields to the north and east of the house that have been proposed for pollinator habitat conversion are currently a mix of orchard grasses and infestations of Japanese stilt grass (*Microstegium vimineum*). These areas range in density from low to moderate and will be managed using methods and chemical prescriptions based on the phenological differences of the plants.

Invasive shrub, tree and vine species colonize by root sprouts and seeds that are dispersed primarily by birds. They form dense stands in the understory of bottomland forests and exclude native plants, drastically altering wildlife habitat. In Stand 2, the best method of control for these species on wetland soils is with a selective spot spray application of a thin invert emulsion comprised of the aquatic labelled herbicides Roundup Custom® (Glyphosate) and Polaris AC Complete® (Imazapyr) at a rate of five gallons per acre to the target vegetation. As the herbicide contacts the foliage, it moves through the plant structures into the root system where it disrupts plant growth cycles. Application will be conducted on-foot with low-volume backpack sprayers to reduce drift and any off-target damage to native vegetation.

Along the stonewall, we suggest a thin invert emulsion foliar application with 8% Rodeo® (Glyphosate), 1% Polaris® (Imazapyr), and 0.5% Escort XP® (Metsulfuron methyl) at a rate of five gallons per acre to the target shrub and herbaceous vegetation. Tall growing or large diameter tree, shrub, and vine species such as Oriental bittersweet (*Celastrus orbiculatus*), bush

honeysuckles (*Lonicera spp.*), and winged euonymus (*Euonymus alatus*) will be controlled using basal bark applications of an herbicide with the active ingredient Triclopyr in an ester formulation, such as Garlon4®, mixed in a methylated seed oil carrier. This herbicide penetrates the bark and is translocated throughout the plant, killing the root system. This application is conducted using a low-volume backpack sprayer to wet the entire circumference of the bottom 12 inches of the stem.

To control infestations of Japanese stilt grass (*Microstegium vimineum*) and established grasses in the fields, we recommend a broadcast application of the broad spectrum herbicides Rodeo® (Glyphosate) and Plateau® (Imazapic). These herbicides will efficiently translocate throughout the plant, immediately arresting the growth cycle and limiting the extent of their above ground biomass. Application will be conducted using a UTV machine with a 50- gallon spray tank and low-pressure adjustable spray gun to treat the target areas. We must treat the fields with an herbicide application to ensure any existing grasses, noxious weeds and invasive species have been removed prior to pollinator habitat seeding. Once at least two broadcast herbicide treatments are complete, the entire area should be mowed and cleared of any small debris (i.e. rocks, roots, small branches, etc.) prior to seeding. Once all site preparation is completed, we will bring our GreenScape® seeder to the site in Fall 2024. The seeder is a multi-step system that aerates the soil, drills holes for the seed, and then drills the seed into the provided holes at a pre-set depth.

Based on the prescription we have developed and the density of target species within the management area, we have produced the following assessment of treatment costs.

10 Kies Road Invasive Species Management 2 Year Plan & Pricing				
Work Activity	Target Area	Acreage	Price Per Acre	Total Cost
2023				
Selective Herbicide Application with Follow-up	Stand 2	6.5	\$880.00	\$5,720.00
Selective Herbicide Application with Follow-up	Stonewalls	0.2	\$880.00	\$176.00
Total Cost 2023				\$5,896.00
2024				
Selective Herbicide Application with Follow-up	Stand 2	6.5	\$640.00	\$4,160.00
Selective Herbicide Application with Follow-up	Stonewalls	0.2	\$640.00	\$128.00
Broadcast Herbicide Applications (2)	Fields	1.5 (2)	\$600.00	\$1,800.00
Site Preparation (Mowing, York raking, etc.)	Fields	1.5	\$1,800.00	\$2,700.00
*Conservation Drill Seeding	Fields	1.5	\$2,200.00	\$3,300.00
Total Cost 2024				\$12,088.00

\*Conservation drill seeding not inclusive of seed cost. Seed to be purchased by client in advance of scheduled seeding date (to be determined). Seed availability and prices are subject to changes.

We are confident that the treatment prescription and methods outlined above will provide the best control of the target species. The proposed prescriptions can be sequenced to coincide with specific management priorities. Follow up treatments will take place 4-6 weeks after the initial treatments as needed. Continued site monitoring in concurrence with best management practices will aid in producing the desired reduction of the target invasive species in the management areas.

It is a pleasure to have the opportunity to be considered for this project and we hope that this proposal meets with your approval. Please feel free to contact us again if we may be of any further assistance to you.

Best Regards,

David Roach PMCS.0003538  
General Manager  
All Habitat Services, LLC



