

INLAND WETLANDS COMMISSION  
TUESDAY, September 14, 2021  
ZOOM Meeting

- A) Call to Order & Roll Call
- B) Appointment of Alternates

Agenda Item C.a.  
Action on Minutes of Previous Meeting  
Minutes of August 10, 2021



**TOWN OF THOMPSON**  
**Inland Wetlands Commission-Minutes**  
**Tuesday, August 10, 2021**  
**Via ZOOM Online Meeting Portal**

RECEIVED  
TOWN OF THOMPSON, CT.

2021 AUG 17 AM 11:42  
*Conni Dale*  
TOWN CLERK

- A) Call to Order & Roll Call:  
The call to order by Chair George O'Neil was at 7:16 PM due to a technology glitch. He reviewed the protocols for participation via Zoom.  
Present: George O'Neil (Chair), H. Charles Obert at 7:15 PM (Vice Chair), Diane Chapin (Treasurer), Francesca Morano at 7:42 PM (Commissioner), Marla Butts (Wetlands Agent), Amy St. Onge (First Selectman), Members of the public, Dotti Durst (Acting Recording Secretary)
- B) Appointment of Alternate: n/a
- C) Action on Minutes of Previous Meeting: *The Minutes of July 13, 2021 were accepted as presented with the note that under #G. Violations (b), LIS property, strike the sentence beginning: Agent M. Butts sent a Notice of Violation...*
- D) Citizens Comments on Agenda Items: None
- E) Applications
- a) Old Applications
1. **IWA21018**, Jason Lepino, 58 Wrightson Dr. (Assessor's reference 143/17/15), demolished existing wood retaining wall and replace with rip rap revetment along shore of Quaddick Reservoir, stamped received 7/2/21, to be statutorily received 7/13/21. *NOTE: The address is 59 Wrightson Road. Work will begin after the lake draw-down (September), including reduction of beach frontage and addition of geotextile, crushed stone and modified riprap. After review of the application by M. Butts and Commission questions and discussion, it was agreed that the revetment will be an improvement and the gradual slope should reduce erosion. Motion D. Chapin seconded by C. Obert to approve the application as presented carried unanimously.*
  2. **WAA21020**, Shaun Gray, 0 New Rd (Assessor's map 154, block 5, lot 10B), construct new single-family home with driveway, septic & well in 100-foot upland review area, stamped received 7/7/21, issued 7/26/21, legal notice to be published 8/13/21, end of appeal period 8/27/21. *M. Butts reviewed the application last month; all documents are in place; the site is not near the Five Mile River. The Wetlands Agent approval was issued. No IWC action taken.*
- b) New Applications - None
- c) Applications Received After Agenda was Published: **WAA21021**, Jodie Arpin, 0 New Rd. (subdivision lot 6, Assessor's map 154, block 3, lot 2G), construction of a driveway, underground utilities & footing drain in upland review area for new single family home *M. Butts confirmed the land between lots 5 and 6 is not a vernal pool as it does not hold water long enough. She will conduct further review of the application. No IWC action taken.*
- F) Permit Extensions / Changes
- a) **IWA14019**, Patricia Rudzinski, 0 Labby Rd. (Assessor's map 95, block 27, lot 17), permit issued 10/14/14, request for additional 3-year extension of gravel removal permit to expire 10/14/24, received by Wetlands Office 3/3/2021 – see Attorney Roberts advice regarding Public Acts 21-163 and 21-34, Extensions of Municipal Land Use Approvals. *The March request for a 3-year extension was reviewed. Because the 2021 legislature enacted an automatic renewal, which was confirmed by Attorney Roberts to apply to this application, the permit is automatically extended until October 14, 2028 for a total of 14 years, with the provision that an extension can be requested for up to a total of 19 years. C. Obert asked about the question of public safety regarding the bridge on the access*

*road and possible town liability. The DPW Director has stated it to be unsafe and should be closed. First Selectman A. St Onge clarified the inspection process, noting that the responsibility lies with the Planning and Zoning Commission and their consideration of a Special Permit. Since that portion of the road is not town-maintained the owners may bear the responsibility should safety measures be required. It was noted that if modifications to the bridge are required, that matter would come back to the IWC. The applicant inquired about access from the Wilsonville Road end. M. Butts noted that the road may not be able to handle traffic due to beaver activity overtopping the road. Chair McNeil noted that the applicant may need to pursue these questions with other Boards/Commissions. No IWC action taken on this application.*

- b) **Permit 07-08-03**, Peter Vanghel, 0 Buckley Hill Rd (Assessor's map 59, block 61, lot 62), permit issued 9/11/07, initial expiration date 9/11/12, extended to 9/11/2016 by Public Act 11-05, plan modification approved 8/20/13, permit extended to 9/11/21 on 8/15/15 in accordance with Public Act 11-05, request to extend permit to 9/11/2026 per Public Act 21-163 received by the Wetlands Office 7/13/20. *No activity has taken place over the years on this parcel. Motion C. Obert seconded by F. Morano to grant the 5-year extension as requested, providing that the 2013 plan will be utilized if activity does take place, carried unanimously.*

G) Violations & Pending Enforcement Actions

a). Notice of Violation VIOL21019, LIS Properties, L.L.C., 715 Riverside Dr. (Assessor's map 63, block 58, Lot 23), unauthorized structures diverting watercourse, flooding Thatcher Rd. & Riverside Dr., issued 7/7/21, request remove or response by 7/13/21 - status. *M. Butts: the structure spanning the intermittent watercourse has been removed, but the water course was disturbed. Since the property is for sale, she will inform the realtors as well as the owners of the property of the need to remediate the flow from upstream through the property downstream. No IWC action taken.*

H) Other Business

a). Road Closure Status, West Thompson Road / Wheaton Brook Culvert Replacement, Permit IWA20044: *M. Butts prepared photos and a brief video showing the progress to date and the details of the reconstruction, including the unplanned modifications the site required. The road should be re-opened to traffic about on schedule.*

I) Reports

- a). Budget/Expenditures: *no report. The town hall system is converting to accept data for the current fiscal year.*  
b). Wetlands Agent Report: See attached

J) Correspondence - None

K) Signing of Mylars - None

- L) Comments by Commissioners: *M. Butts announced that a new Conservation Officer has been hired, and that as he also works to gain his credentials in Inland Wetlands enforcement, will act as recording Secretary for the IWC; his start date with the town is mid-August. C. Obert- is pleased that mapping and GIS training will be part of this person's training.*

M) Adjournment:

**Motion C. Obert seconded by F. Morano to adjourn at 8:42 PM carried unanimously.**

To see/hear the entire meeting via ZOOM, click here or copy/paste to your search bar:

<https://us02web.zoom.us/j/84561234567>  
<https://us02web.zoom.us/rec/share/dRVSVW0vmnS1EmwvypKWAPxlywcDLL18U3VQO1wzfX645YGbOQb5lasVN0LNV5k.Ebf13ov-cedWvJkv> Passcode: U6^EcR@W

Respectfully Submitted, Dotti Durst, Acting Recording Secretary *Dorothy Durst*

These Minutes have not been reviewed by the Inland Wetlands Commission. Please see next month's minutes for modifications



**Inland Wetlands Agent Monthly report: Marla Butts, August 10, 2021****UPDATES**

- \*No change: Court Appeal on Application IWA15029, River Junction Estates, LLC (Case # AC 42644)
- \* the MS4 2019-2020 Annual Report is nearly finished.
- \*A very small amount of progress has been made on records disposal.

**INSPECTIONS/FOLLOWUP ACTIONS**

- \*Complaint 20-14, Philip Leblanc, 295 Linehouse Rd, pond cleaning during drought last October and side casting spoils onto neighboring property – It would appear that last that year's disposal of dredged spoils were placed on top of the previously place dredged soils. A letter will be sent to Mr. & Mrs. Leblanc advising them to do no more earth moving or construction work either in the pond or within 100 feet of the pond without first obtaining approval from the Inland Wetlands Commission.
- \*Complaint 21-11, 1208 Riverside Drive, Susan Eklund – A review of aerial photography shows the trailer was placed at its current location sometime after 2012 but before 2016. There was no evidence of any recent work since the issuance of Notice of Violation VIOL20005 in February of 2020. A course of action will need to be in coordination with the Building Office and the ZEO. It is within 100 feet of the upland review area; perhaps it is a NDDH issue.
- \*Complaint 21-12, 73 Center Street, Jamie Piette – Report of a retaining wall being replaced along Little Pond beginning on 8/7/21 without a permit – I left a phone message for Ms. Piette regarding the work and received a call back from her contractor, Joseph Patterson. Mr. Patterson was instructed to cease any further work and he indicated he would be contacting J& D Civil Engineers to prepare the necessary site plan for the work including an A-2 survey of the property boundaries. The property borders a right-of-way maintained by the Little Pond Improvement Association Inc. Photos were forwarded by Peter Nalewajk of the work site. I will send confirming correspondence shortly.
- \*WAA21008, 597 East Thompson Road, John Camelio property – inspection of the property on 7/21/21 followed a 7/20/21 email from Bonnie Morrison-Robbins reporting failures of the silt fencing installed along the underground utilities authorized by WAA21008. While the photos provided by Ms. Robbins showed overall flooding on both sides of the fencing, I found no evidence of erosion or sediment movement and subsequently advised her I did not plan any action. The driveway to access the new home remained flooded with ponded water. Subsequently I advised Mr. Camelio to contact me regarding approvals if he wished to relocate the driveway to higher ground in the upland review area.

**BUILDING PERMITS REVIEWED**

- 18 New Road (Assessor's reference 154/5/10B), Shaun Gray, single family dwelling, Wetland Agent Approval WAA20120 issued 7/26/21.
- 100 Sand Dam Road (Assessor's reference 114/24/60B), Thomas Murray, single family dwelling, see WAA20023 issued 10/9/20.
- 8 Robbins Rd (Assessor's reference 87/53/8A), Craig & Lisa Audette, 40' X 60' childcare facility, see permit IWA21002 issued 2/9/21.
- 178 Quinebaug Rd. (Assessor's reference 57/68/17), Kevin & Jane m Beno, 30' X 140'-tiered concrete slab, not in wetlands, watercourses or upland review area.
- 49 Fernwood Ave. (Assessor's reference 116/13/21A), Sharon OConnell, 8' X 10' deck connector, not in wetlands, watercourses or upland review area.
- 10 Vernon Ln. (Assessor's reference 105/34/7M), William & Brenda Cacciapouti, 28' X 25' 1-story addition, not in wetlands, watercourses or upland review area.
- 222 Ravenelle Rd (Assessor's reference 23/105/28D), William E Fongellaz IV, 20' above ground pool, not in wetlands or watercourses, may be in upland review area, need wetlands agent approval or ruling use permitted as of right if grading is to go beyond footprint of above ground swimming pool.

**PURCHASE REQUESTIONS STATUS**

- Encumbered \$40.00 (P.O. 122087) Stonebridge Press, legal notice, Shaun Gray, WAA21020.
- Payment pending \$73.50 (P.O. 122076), Stonebridge Press, legal notice, Paul Duquette, IWA21013.
- \*\* C. Obert asks that a Fees Review be conducted, and volunteered to participate

Agenda Item D.  
Citizens Comments on Agenda Items

## Agenda Item E.a) 1. Old Applications

**WAA21021**, Jodie Arpin, 0 New Rd. (Assessor's map 154, block 3, lot 2G), construction of a driveway and footing drain in the upland review area for a new single family home, stamped received 8/9/21.

## 0 New Road Lot 2G Locus for WAA21021 Arpin

**Property Information**

**Property ID** 104205  
**Location** 0 NEW RD  
**Owner** O & G INDUSTRIES INC

**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

Town of Thompson, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated September 21, 2020  
Data updated March 20, 2019

Print map scale is approximate.  
Critical layout or measurement  
activities should not be done using  
this resource.



TEST PIT RESULTS

OBSERVED BY: TERRE HENDRICKS/  
SHERRY MCGANN  
DATE: MARCH 11, 2020

PIT NO. 6-1

0 - 28" DISTURBED MATERIAL  
28 - 77" VERY FINE SANDY LOAM  
77 - 92" GROUND WATER

MOTTLING: 52"  
RESTRICTIVE: N/A  
LEDGE: N/A  
WATER: 77"

PIT NO. 6-2

0 - 18" DISTURBED MATERIAL  
18 - 46" COARSE SAND AND GRAVEL  
46 - 67" FINE SAND  
67 - 93" WET MOTTLED MEDIUM  
SAND

MOTTLING: 67"  
RESTRICTIVE: N/A  
LEDGE: N/A  
WATER: 91"

PERC. TEST RESULTS

OBSERVED BY: TERRE HENDRICKS/  
SHERRY MCGANN  
DATE: MARCH 11, 2020

HOLE 6

| TIME | READING |
|------|---------|
| 3:01 | 9"      |
| 3:03 | 11.75"  |
| 3:08 | 16.5"   |
| 3:13 | DRY     |

DEPTH: 19"  
RATE: 1.05 MIN/IN

SURVEY NOTES:

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 28, 1996.

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED IN JULY 2021, AND IS INTENDED TO BE USED FOR THE DESIGN OF AN ENGINEERED SEPTIC SYSTEM.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

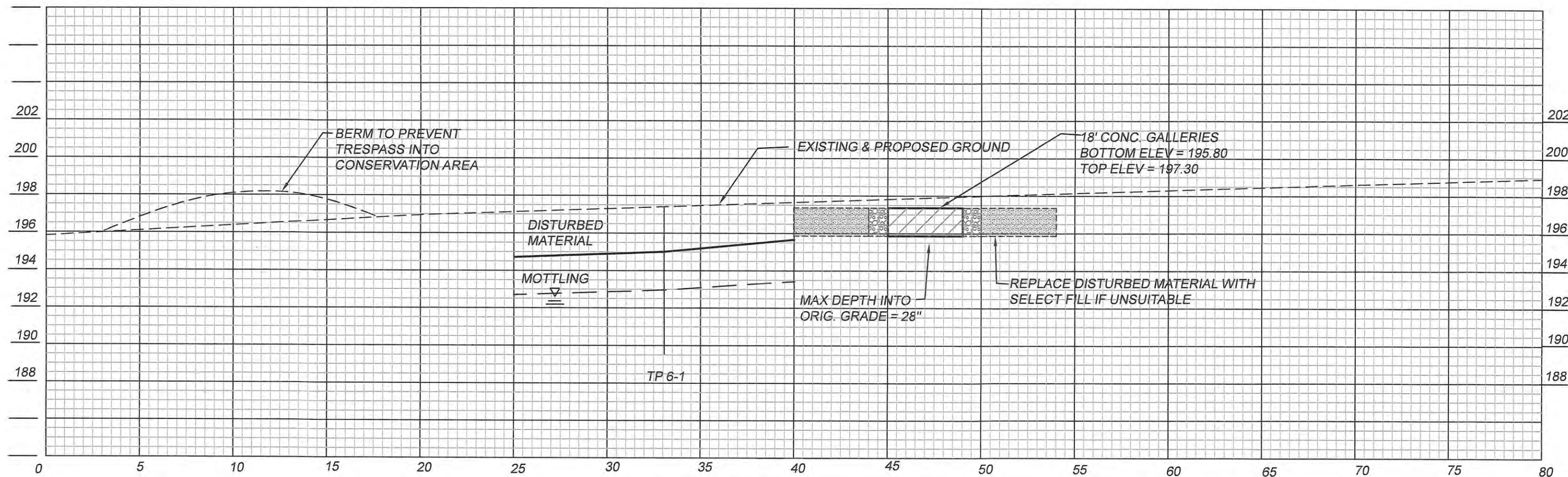
2. TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.

3. REFERENCE PLAN: A PLAN ENTITLED "RECORD SUBDIVISION PLAN, ROCKY BROOK ESTATES, PREPARED FOR RIVER JUNCTION ESTATES, LLC, NEW ROAD - THOMPSON, CT." PLAN PREPARED BY MESSIER AND ASSOCIATES, REVISED THROUGH 11-20-07, ON FILE AS PLAN #1574

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

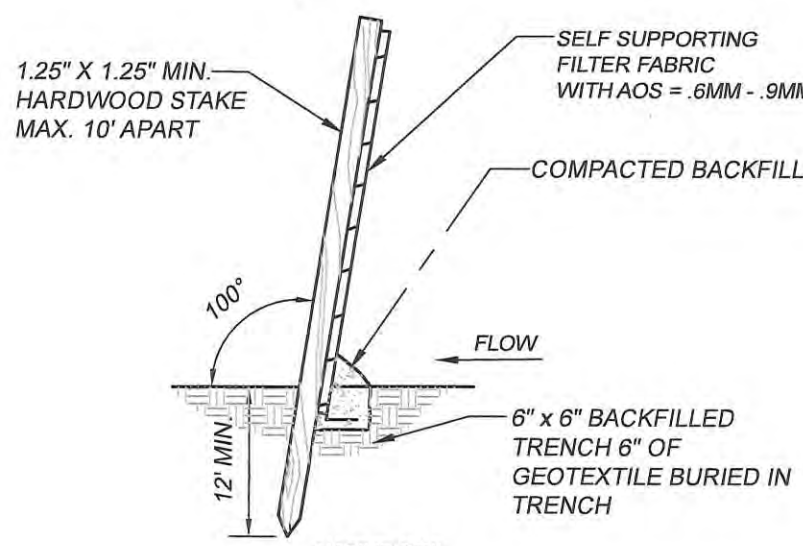
*Dennis R. Blanchette* 9/5/21 12107  
DENNIS R. BLANCHETTE / DATE LICENSE  
NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE  
© 2021 J&D CIVIL ENGINEERS, LLC

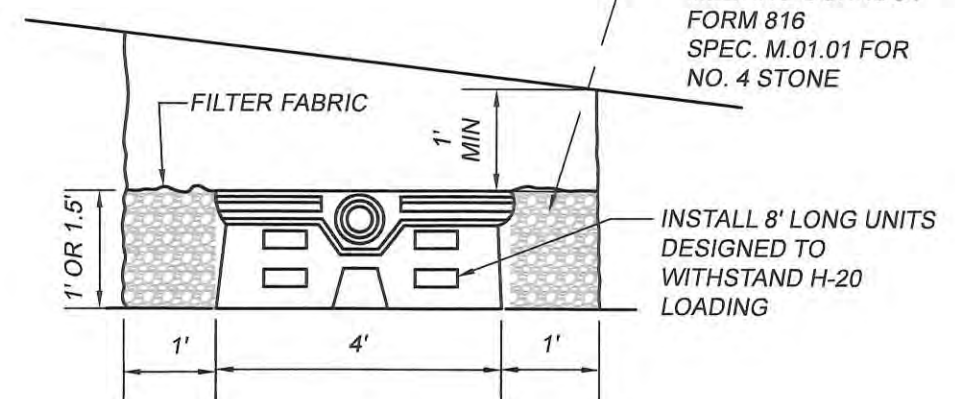


LEACHING FIELD CROSS SECTION A-A

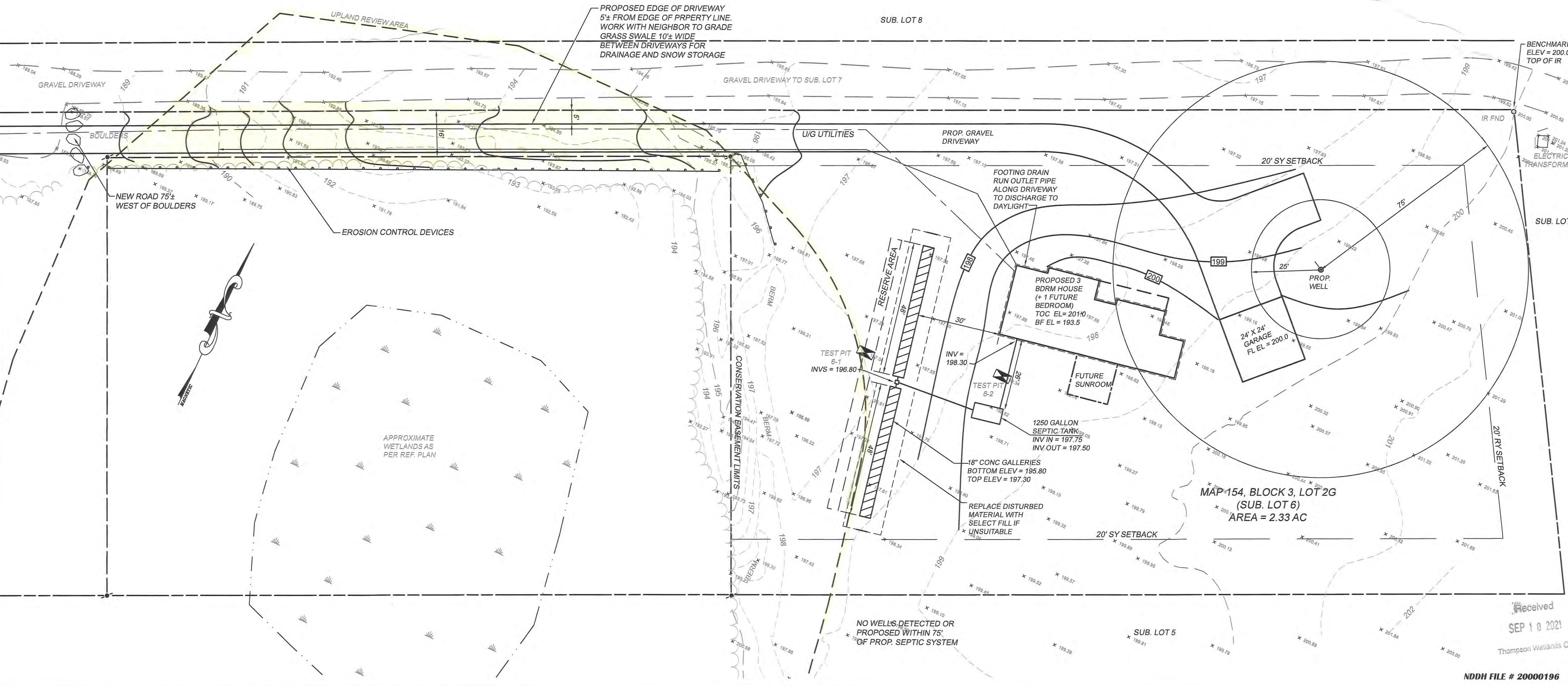
1" = 5'



SILT FENCE INSTALLATION  
NOT TO SCALE



CONCRETE FLOW DIFFUSER  
NOT TO SCALE



SEPTIC SYSTEM DESIGN CRITERIA

PERC RATE: 1.05 MINS/INCH

NUMBER OF BEDROOMS: 4 (3 + 1 FUTURE)

SEPTIC TANK: 1250 GALLON

LEACHING AREA REQUIRED: 577.5 SQUARE FEET

LEACHING AREA PROVIDED: 96' OF 18" CONCRETE GALLERIES @ 6.2 SQ. FT. PER LF = 595 SQUARE FEET, SPACED 12' O.C.

MOTTLING: 52" - 67", LEDGE: N/A, WATER: 77" - 91", SLOPE: 2.1 - 3.0%

MLSS (PRIMARY) = 48" (HF=24, PF=1.0, FF=2.0)

LSS PROVIDED = 100'

SPECIFICATIONS

SEPTIC SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH THE "CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS".

SEPTIC TANK: JOLLEY PRECAST, INC. OR EQUAL TWO-COMPARTMENT TANK WITH OUTLET FILTER. INSTALL RISERS OVER TANK CLEANOUTS IF COVER OVER TANK EXCEEDS 1'.

DISTRIBUTION BOXES: JOLLEY OR EQUAL 4 HOLE D-BOXES

ALL PRECAST STRUCTURES SUCH AS SEPTIC TANKS AND DISTRIBUTION BOXES SHALL BE SET LEVEL ON SIX INCHES OF COMPACTED GRAVEL BASE.

HOUSE, EFFLUENT AND "TIGHT PIPE" FOR DRAIN OUTLETS: 4" PVC SCHEDULE 40, ASTM D 1785 OR ASTM D 2865 WITH RUBBER COMPRESSION GASKET ASTM D 3139 OR SOLVENT WELD COUPLINGS.

CONCRETE GALLERIES: 18" HIGH X 4' WIDE X 8' LONG PRECAST GALLERIES AS MANUFACTURED BY JB CONCRETE PRODUCTS OR JOLLEY PRECAST.

POLYLOK PIPE SEAL AS MANUFACTURED BY SUPERIOR SEPTIC TANKS (OR EQUAL) SHALL BE USED TO SEAL SEPTIC TANK AND D-BOX INLETS AND OUTLETS.

BOTTOM OF TRENCHES TO BE LEVEL.

TOPSOIL SHALL BE STRIPPED IN AREA OF LEACH FIELD AND THE SUBSOIL SCARIFIED PRIOR TO PLACEMENT OF SELECT SEPTIC FILL.

ALL FILL SHALL BE CLEAN BANK RUN GRAVEL, MEETING THE FOLLOWING REQUIREMENTS OF THE CT DEPT. OF PUBLIC HEALTH:

MAX. PERCENT GRAVEL (PLUS NO. 4 SIEVE MATERIAL) - 45%  
GRADATION ON FILL LESS GRAVEL:

| SIEVE   | WET PERCENT PASSING | DRY PERCENT PASSING |
|---------|---------------------|---------------------|
| NO. 4   | 100                 | 100                 |
| NO. 10  | 70-100              | 70-100              |
| NO. 40  | 10-50*              | 10-75               |
| NO. 100 | 0-20                | 0-5                 |
| NO. 200 | 0-5                 | 0-2.5               |

\*PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%.

FILL MUST PERC AT A RATE EQUAL TO OR FASTER THAN THE UNDERLYING SOIL.

THIS DESIGN IS BASED ON TEST PIT INFORMATION RECORDED BY NDDH. J & D HAS MADE NO INDEPENDENT INVESTIGATION OF SOIL CONDITIONS. THE CONTRACTOR IS ADVISED TO PERFORM SUFFICIENT SITE INVESTIGATION TO DETERMINE CONSTRUCTABILITY OF THE DESIGN PRIOR TO BIDDING OR COMMENCING WORK.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE PROPOSED ACTIVITY ON THE SITE WILL CONSIST OF THE CONSTRUCTION OF A SINGLE FAMILY HOUSE, WELL, SEPTIC SYSTEM AND DRIVEWAY.

2. EROSION CONTROL DEVICES MUST BE INSTALLED WHERE INDICATED ON THIS SHEET PRIOR TO THE START OF CONSTRUCTION.

3. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SEEDED OR STABILIZED WITH TEMPORARY MULCH AS SOON AS FINAL GRADES HAVE BEEN ATTAINED.

4. THE OWNER OF RECORD SHALL DESIGNATE THE ON SITE ENVIRONMENTAL AGENT RESPONSIBLE FOR REGULARLY CHECKING THE CONDITION OF THE EROSION CONTROL DEVICES AND REMOVING ACCUMULATED SEDIMENT.

LEGEND

|  |                                   |
|--|-----------------------------------|
|  | BUILDING SETBACK LINE             |
|  | PROPERTY LINE                     |
|  | EXISTING CONTOUR LINE             |
|  | PROPOSED CONTOUR LINE             |
|  | EDGE OF WETLANDS                  |
|  | WETLAND BUFFER/UPLAND REVIEW AREA |
|  | EROSION CONTROL DEVICES           |
|  | TEST PIT                          |
|  | LEACHING TRENCH                   |
|  | STONEWALL                         |
|  | UTILITIES                         |
|  | TREELINE                          |

SITE DEVELOPMENT PLAN

PREPARED FOR

JODIE ARPIN

SUBDIVISION LOT 6, NEW ROAD - THOMPSON, CT

MAP 154 BLOCK3 LOT 26

**J&D** CIVIL  
ENGINEERS, LLC

401 RAVENELLE ROAD  
N. GROSVENORDALE, CT 06255  
860-923-2920

DESIGNED: JJB  
CHECKED: DRB

REVISIONS:  
8-31-21

JOB NO: 21199

SCALE: 1" = 20"

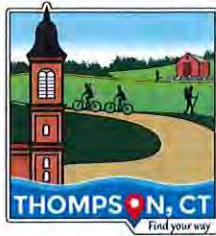
DATE: JULY 29, 2021

SHEET: 1 OF 1

NDDH FILE # 20000196

Revised Plans File WAA21021 Copy1





**TOWN OF  
THOMPSON**  
Inland Wetlands Commission

815 Riverside Drive  
P.O. Box 899  
North Grosvenordale, CT 06255  
Phone: 860-923-1852, Ext. 1  
Email: [wetlands@thompsonct.org](mailto:wetlands@thompsonct.org)  
Web: <https://www.thompsonct.org/>

## **WETLAND AGENT APPROVAL WAA21021**

**APPROVAL GRANTED TO:**

Jodie Arpin  
46 Edgewood St # 59  
Stafford Springs, CT 06076

**DATE OF APPROVAL:** September 13, 2021

**EXPIRATION DATE:** September 13, 2026

**LOCATION OF AUTHORIZED ACTIVITY:** 0 New Road, Assessor's Map 154, Block 3, Lot 2G

**DESCRIPTION OF AUTHORIZED ACTIVITY:** To conduct regulated activities associated with the construction of a driveway, underground utilities & footing drain in the 100-foot upland review area for a new single family home as shown in Wetlands Agent Approval Application WAA21021 stamped received by the Thompson Wetlands Office August 9, 2021 and as shown in drawing(s) entitled "Site Development Plan Prepared for Jodie Arpin Subdivision Lot 6, New Road - Thompson, CT" prepared by J&D Civil Engineers, LLC dated revised 8-31-21 and stamped received September 10, 2021.

This approval is issued pursuant to section 11(b) of the Inland Wetlands and Watercourses Regulations of the Town of Thompson.

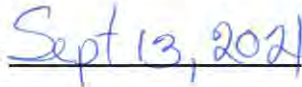
**APPROVAL CONDITIONS:**

1. A notice of decision will be requested to be published in the Thompson Villager. Note this approval is subject to appeal to the Inland Wetlands Commission for 15 days from the date of publication for a final decision.
2. If the authorized activity also involves an activity or a project which requires zoning or subdivision approval, special permit, variance, or special exception, then no work pursuant to this approval may begin until such other approval is obtained. (See section 11.10.c. of the Inland Wetlands and Watercourses Regulations of the Town of Thompson)
3. This approval will be valid for five (5) years. You are expected to notify the Wetland Agent of your starting date and to complete your activities within 2 years of beginning your site work. If you expect to take longer, you must contact the Wetland Agent for an extension.
4. The Thompson Wetland Agent/Inland Wetlands Commission must be notified in writing one week prior to the beginning of any regulated activities. Please use the enclosed card.
5. Appropriate erosion and sediment controls shall be installed prior to the beginning of any regulated activities. Until all disturbed soils are stabilized appropriate erosion and sediment controls shall be used and maintained. (See document entitled "2002 Connecticut Guidelines for Soil Erosion and Sediment Controls" for guidance.)
6. If there are any changes in the location of any of the proposed activities for which this approval has been granted, then the new proposal must be presented to Thompson Wetland Agent/ Inland Wetlands Commission for approval of such changes prior to commencing activities.

Wetland Agent:

  
Marla Butts

Dated:



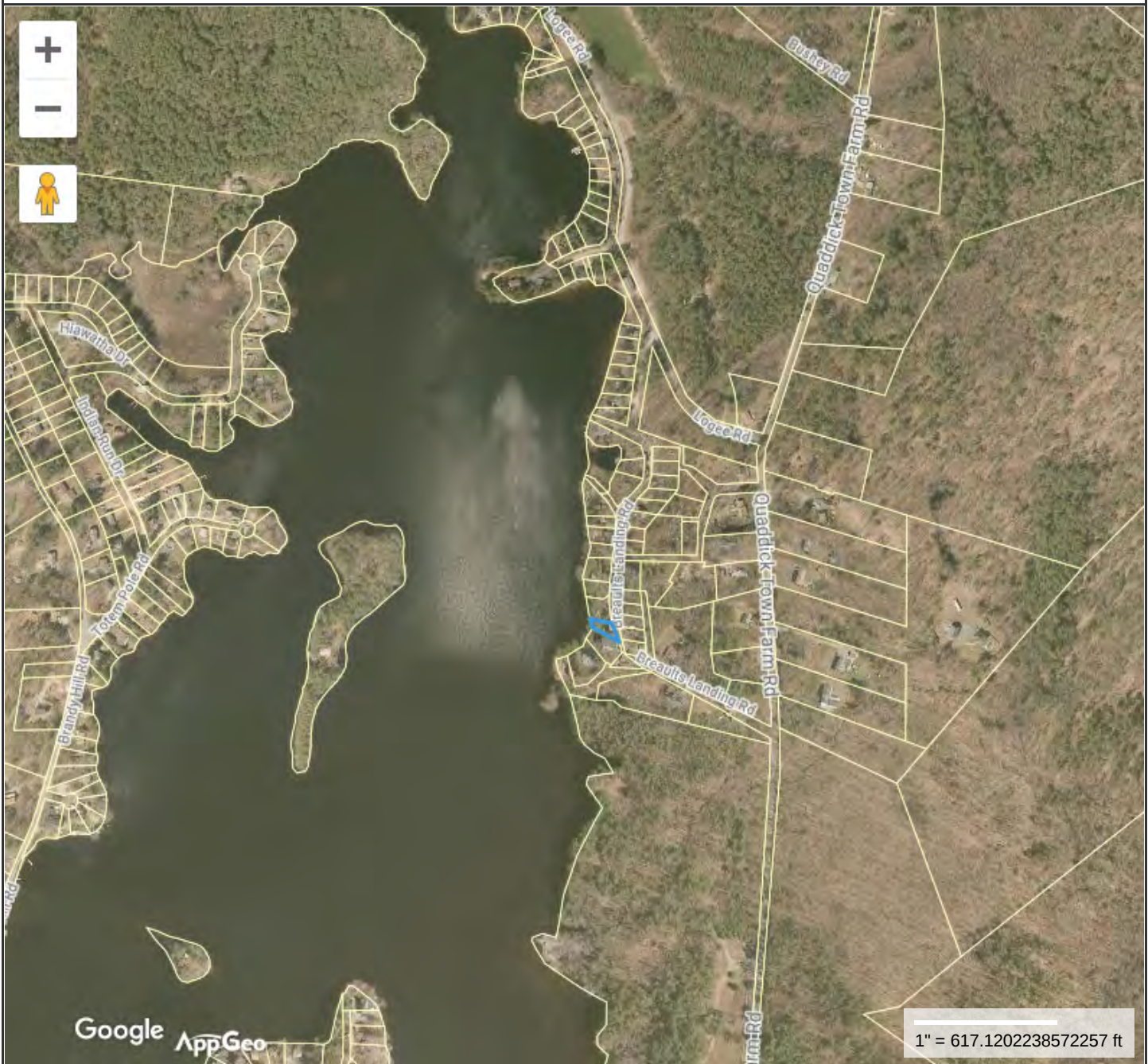


## Agenda Item E.b) 1. New Applications

**WAA21022**, Andrew & Kathleen Ells, 28 Breaults Landing Rd. (Assessor's map 141, block 17, lot 197), replacement of wood retaining walls and the construction of new retaining wall in the upland review area for Quaddick Reservoir, stamped received 8/16/21.



## Locus Map for WAA21022 Ells 28 Breaults Landing Rd

**Property Information**

**Property ID** 4421  
**Location** 28 BREAUTS LANDING RD  
**Owner** ELLS ANDREW L + KATHLEEN M



**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

Town of Thompson, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated September 21, 2020  
Data updated March 20, 2019

Print map scale is approximate.  
Critical layout or measurement  
activities should not be done using  
this resource.



# EROSION & SEDIMENTATION NOTES AND SEQUENCE OF OPERATIONS

- The proposed activity consists of the replacement of existing utility pole, retaining walls with new concrete block retaining walls.
- Prior to any construction, excavation or filling, all improvements shall be accurately staked in the field by a land surveyor registered in the State of Connecticut.
- After field staking all erosion sedimentation control devices as shown on the plan and as detailed shall be installed. Properly installed haybales may be used in lieu of silt fence.
- All trees and brush within the areas of disturbance shall be removed. All limbs and saplings less than 4" in caliper shall be chipped and stockpiled for later reuse as slope stabilization and mulch material. All trees in excess of 4" in caliper shall be removed from the site and disposed of in a manner consistent with State, Federal, and local regulations. Stumps shall be excavated from the area of disturbance and likewise disposed of in a manner consistent with all applicable laws.
- Final grades shall be achieved as quickly as possible, and immediately thereafter, sideslopes shall be stabilized with 4" of topsoil. The area shall be seeded and mulched with straw mulch in accordance with the specifications contained herein.
- All erosion and sedimentation control measures shall be constructed in accordance with standards and specifications of the "Connecticut Guidelines for Soil Erosion and Sedimentation Control (2002)", as amended.
- All control measures shall be maintained in effective conditions throughout the construction period and shall be inspected periodically but not less than once per month, and after a total rainfall in one storm event of 1 inch in 24 hours. Sediment shall be promptly removed from control structures and disposed of on-site in upland areas outside the buffer zone of wetlands. Any silt fence or hay bales damaged as a result of a storm event or construction activities, shall be immediately repaired.
- The Town of Thompson shall be notified prior to commencement of construction and at key point during construction so that inspections of erosion and sedimentation control measures can be scheduled.
- The responsibility for implementation of this plan shall rest with Andrew L. Ells & Kathleen M. Ells, 28 Breault's Landing Road, Thompson, CT 06277. Telephone: (508) 864-2113
- Seed Mixture:

| SEED                | LBS./1000 S.F. |
|---------------------|----------------|
| CREeping RED FESCUE | 0.45           |
| REDTOP              | 0.05           |
| PERENNIAL RYEGRASS  | 0.20           |
| KENTUCKY BLUEGRASS  | 0.15           |
| <b>TOTAL:</b>       | <b>0.85</b>    |

AFTER SEEDING IS COMPLETE SPREAD MULCH AT THE RATE OF 1 HAYBALE/500 S.F.

## 11. Schedule of construction activities:

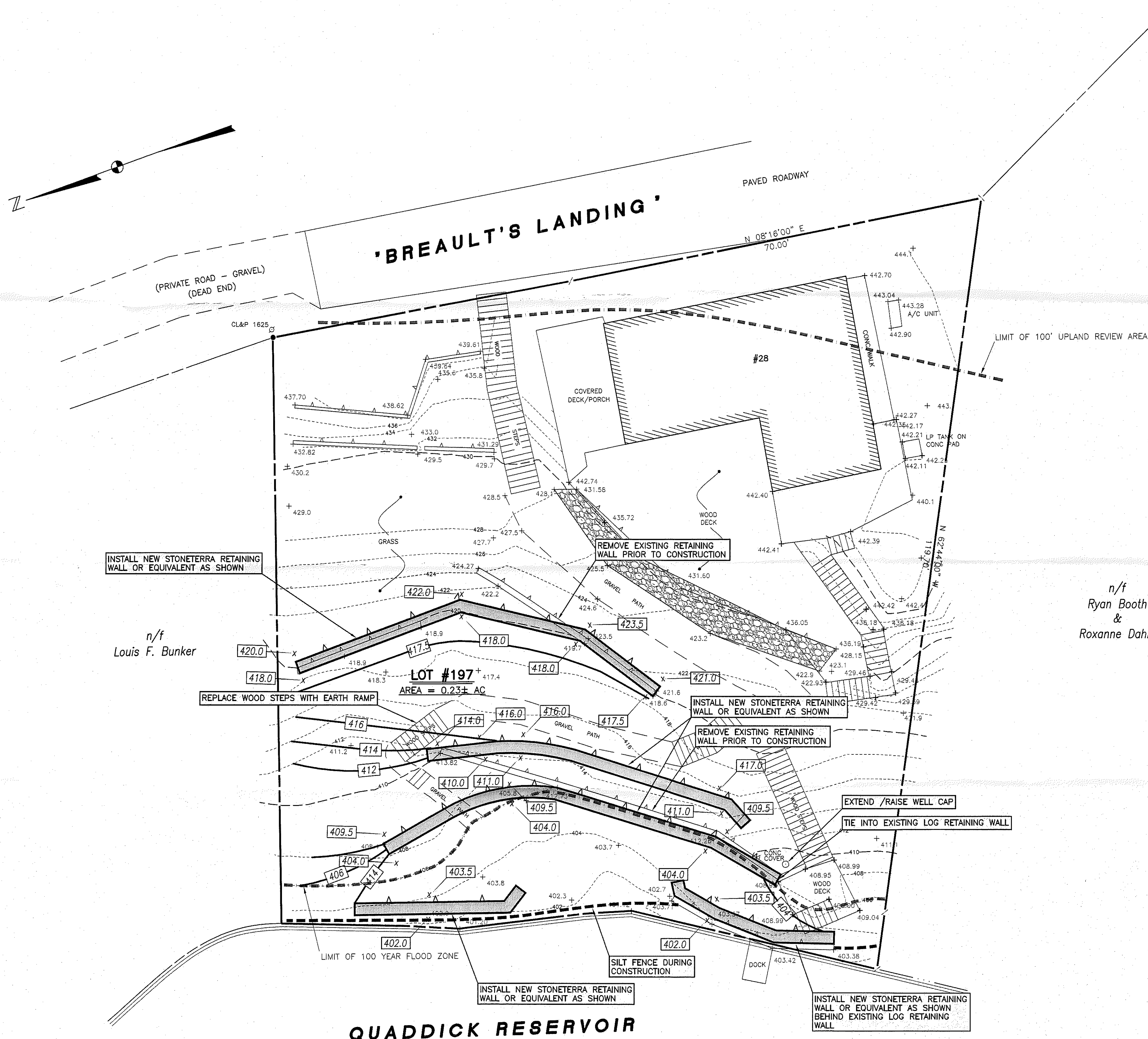
|                       |                |
|-----------------------|----------------|
| Lot Clearing:         | Sep 1 - Sep 1  |
| Wall Construction:    | Sep 1 - Sep 30 |
| Removal of Old Walls: | Sep 1 - Sep 30 |
| Site Grading:         | Sep 1 - Sep 30 |
| Loam and Seeding:     | Oct 1 - Oct 15 |

## 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;
  - Boundary lines shown conform to a Class "D" horizontal accuracy and were compiled from other maps, record research or other sources of information, not to be construed as having been obtained as the result of a field survey, and subject to such change as an accurate field survey may disclose
  - Topographic features conform to a Class "T-2", "V-3" vertical accuracy.
  - Survey Type: General Location Survey.
- Owner: Andrew L. Ells & Kathleen M. Ells  
28 Breault's Landing Road  
Thompson, Connecticut 06277
- Elevations based on NAVD 1988. Contours taken from actual field survey. Contour Interval = 2'.
- Parcel shown is located in Zone A2 & C as shown on FEMA Flood Insurance Rate Map 090117 0020 B. Effective Date: November 1, 1984.
- Parcel is shown as Lot #197, Block #17 on Assessors Tax Map #141
- Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455.

## MAP REFERENCE:

- "Plan of Lots of Felix Breault - Thompson, Connecticut - Scale: 1" = 50' - Dated 1948 - Prepared By William W. Pike & Son C.E."



# QUADDICK RESERVOIR

| LEGEND |                      |
|--------|----------------------|
| •      | IRON PIN FOUND       |
| ---    | EXISTING CONTOURS    |
| ---    | RETAINING WALL       |
| ---    | PROPOSED CONTOUR     |
| x      | PROP. SPOT ELEVATION |

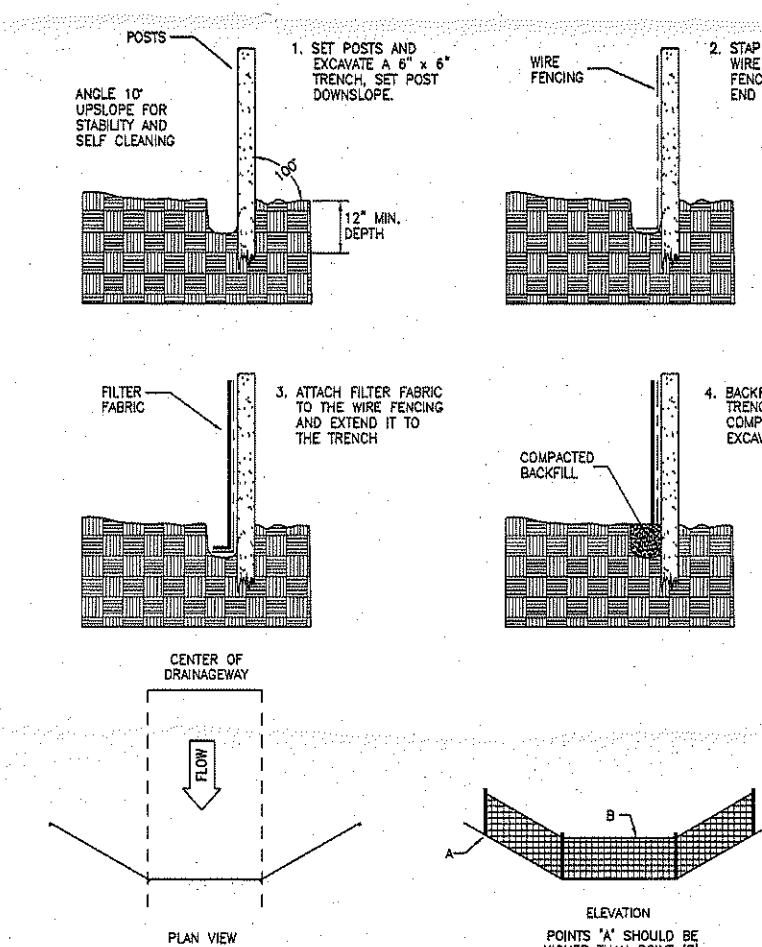
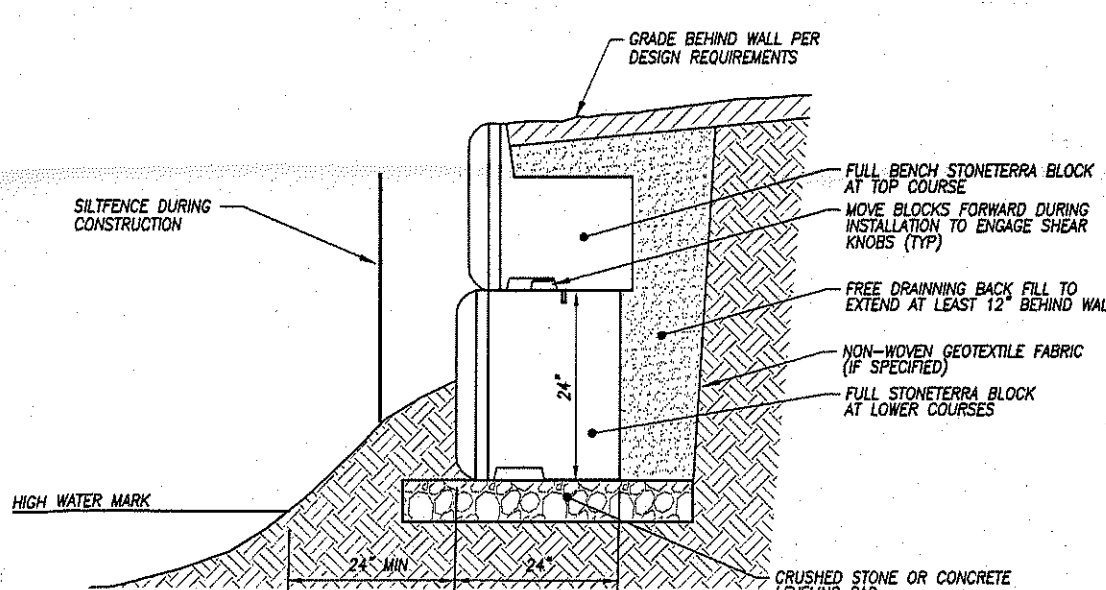
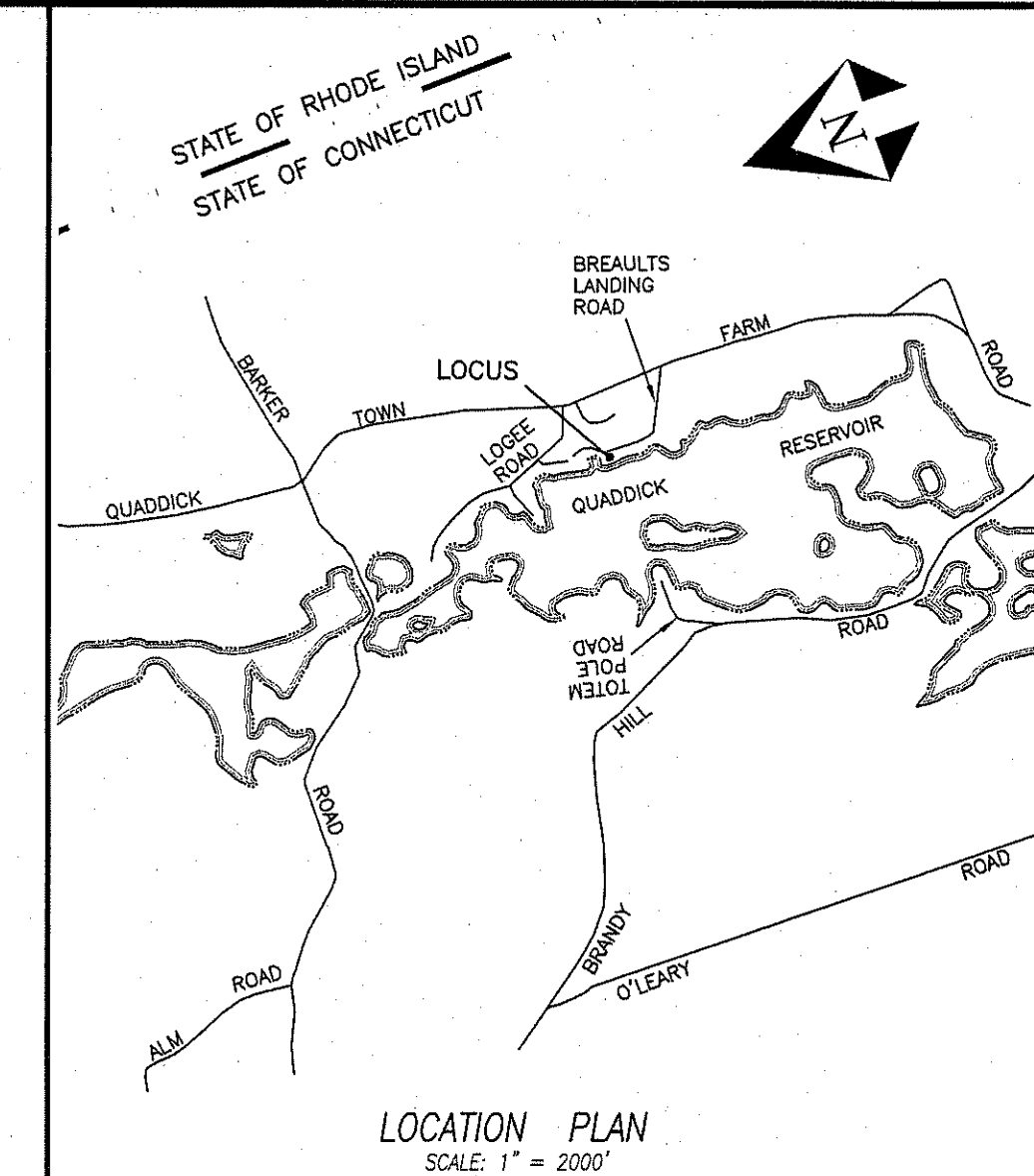
K W P associates  
P.O. BOX 100 THOMPSON CENTER, CT. 06259  
*Bruce D. Woods* 8/3/2021  
DAVID A. SMITH, P.E. #1173 DATE  
NOT VALID UNLESS SEAL IS AFFIXED HERETO

To my knowledge and belief, this map is substantially correct as noted hereon.

*Bruce D. Woods* 8/3/2021  
BRUCE D. WOODS, Conn. L.S. #13646  
No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.



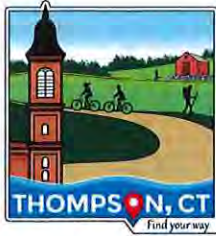
Received  
AUG 16 2021  
Thompson Wetlands Office



Topographic Survey Plan  
Prepared For  
**ANDREW L. ELLS**  
&  
**KATHLEEN M. ELLS**  
#28 BREAUULT'S LANDING ROAD  
THOMPSON, CONNECTICUT

|                                                                                                                            |                                     |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>KWP</b><br>associates<br>SURVEYING ~ ENGINEERING ~ SITE PLANNING<br>250 Killingly Road<br>Pomfret Center, CT 06259-0106 | SCALE: 1" = 10'                     |
|                                                                                                                            | DATE: 8/9/2021                      |
|                                                                                                                            | SHEET: 1 OF 1                       |
|                                                                                                                            | PROJ # 11059 FB: -<br>Dwn: JES Chk: |





**TOWN OF  
THOMPSON**  
Inland Wetlands Commission

815 Riverside Drive  
P.O. Box 899  
North Grosvenordale, CT 06255  
Phone: 860-923-1852, Ext. 1  
Email: [wetlands@thompsonct.org](mailto:wetlands@thompsonct.org)  
Web: <https://www.thompsonct.org/>

## **WETLAND AGENT APPROVAL WAA21022**

**APPROVAL GRANTED TO:**

Andrew & Kathleen Ells  
28 Breaults Landing Rd  
Thompson, CT 06277

**DATE OF APPROVAL:** September 13, 2021

**EXPIRATION DATE:** September 13, 2026

**LOCATION OF AUTHORIZED ACTIVITY:** September 13, 2026, Assessor's Map 141, Block 17, Lot 197

**DESCRIPTION OF AUTHORIZED ACTIVITY:** To conduct regulated activities associated with replacement of wood retaining walls and the construction of new retaining walls in the 100-foot upland review area for Quaddick Reservoir as shown in Wetlands Agent Approval Application WAA21022 stamped received by the Thompson Wetlands Office August 16, 2021 and as shown in drawing(s) entitled "Topographic Survey Plan Prepared for Andres L. Ells & Kathleen M. Ells, 28 Breaults's Landing Road Thompson, Connecticut" prepared by KWP Associates dated 8/9/2021 dated received 8/16/2021 (1 sheet).

This approval is issued pursuant to section 11(b) of the Inland Wetlands and Watercourses Regulations of the Town of Thompson.

**APPROVAL CONDITIONS:**

1. Prior to the initiation of work authorized herein the property boundary along Quaddick Reservoir shall be staked by a land surveyor licensed to practice in Connecticut. Such staking shall be maintained throughout the time period during which any work authorized by this approval is performed. No replacement or modification of the existing log retaining wall located along the shore of Quaddick Reservoir is authorized by this approval.
2. A notice of decision will be requested to be published in the Thompson Villager. Note this approval is subject to appeal to the Inland Wetlands Commission for 15 days from the date of publication for a final decision.
3. If the authorized activity also involves an activity or a project which requires zoning or subdivision approval, special permit, variance, or special exception, then no work pursuant to this approval may begin until such other approval is obtained. (See section 11.10.c. of the Inland Wetlands and Watercourses Regulations of the Town of Thompson)
4. This approval will be valid for five (5) years. You are expected to notify the Wetland Agent of your starting date and to complete your activities within 2 years of beginning your site work. If you expect to take longer, you must contact the Wetland Agent for an extension.
5. The Thompson Wetland Agent/Inland Wetlands Commission must be notified in writing one week prior to the beginning of any regulated activities. Please use the enclosed card.
6. Appropriate erosion and sediment controls shall be installed prior to the beginning of any regulated activities. Until all disturbed soils are stabilized appropriate erosion and sediment controls shall be used and maintained. (See document entitled "2002 Connecticut Guidelines for Soil Erosion and Sediment Controls" for guidance.)
7. If there are any changes in the location of any of the proposed activities for which this approval has been granted, then the new proposal must be presented to Thompson Wetland Agent/ Inland Wetlands Commission for approval of such changes prior to commencing activities.

Wetland Agent: \_\_\_\_\_

Marla Butts

Dated: \_\_\_\_\_

Sept 13, 2021



## Agenda Item E.b) 2. New Applications

**DEC21024**, Blair & Karen Cole, 172 County Home Rd  
(Assessor's map 107, block 36, lots 16 & 16B, timber  
harvest, received by Town Clerk 8/26/21.



Received Town Clerk  
Aug. 26 2021 12:55 LINDA PARADISE, Ass't

**THOMPSON INLAND WETLANDS COMMISSION**  
**Request for Approval of Timber Harvest as Use Permitted as of Right**

ID # DEC21024  
Receipt Date: Aug 26, 2021

Certain activities associated with timber harvesting are a use permitted as of right pursuant to Section 22a-40(a) of the Connecticut General Statutes and Section 4.1 of the Inland Wetlands for the Town of Thompson. (For guidance see Connecticut Department of Environmental Protection's document entitled "Agriculture, Forestry and Wetlands Protection in Connecticut") This form constitutes the notification required by Section 4.4 of the Inland Wetlands and Watercourse Regulations of the Town of Thompson for such timber harvesting. Note: If the timber harvest covers multiple properties with different owners, then a separate request for approval must be filed for each of the different property owner(s).

**Property Information**

(Locate property boundaries on attached USGS topographic map and copy of assessor's map – see information on maps on reverse side of this form.)

Landowner of Record: Blair C. & Karen A. Cole

Mailing Address: 172 County Home Road

Town: Thompson

Zip: 06277

Phone: (860) 377-2788

E-mail: blaircole@me.com

Total acreage of Property(s): 30.1

Assessor's Ref.

| Map | Block | Lot      | Address                                  |
|-----|-------|----------|------------------------------------------|
| 107 | 36    | 16 & 16B | 172 County Home Road, Thompson, CT 06277 |
|     |       |          |                                          |
|     |       |          |                                          |

Property boundaries are marked and can be viewed in the field

Yes ☒ No ☐

Have owners of all lands within 100 feet of the harvest area been notified via first-class mail prior to filing this form?

Yes ☐ No ☐

**Harvest Information**

This timber harvest has been prepared by a State of Connecticut certified:

(Check one): ☒ Forester

OR

☐ Supervising Forest Products Harvester

Forest Practitioner Certificate #: F-517

Name: Marc Tremblay

Address: 303 Courthouse Ln. Pascoag, RI 02859

E-mail: mstremb@cox.net

Phone # (Business) 401-568-3410 (Cell)

Harvester (if not landowner): Paul Burke, CTHarvesters Lic SFPH000482

Mailing Address: 107 Bear Hill Road

Town: Dayville, CT

Zip: 06241

Phone: ( ) 860-428-3694

E-mail: oldmiriah@sbcglobal.net

Estimated starting date of timber harvesting operations: Jan / 02 / 2022

Estimated completion date of harvesting operations: Mar / 31 / 2022

Total acreage of harvest area: 16 +/- ac.

Timber harvest boundaries are marked/flagged and can be viewed in the field

Yes ☒ No ☐

Designation of trees to be harvested

Trees to be harvested have been marked with paint at eye level and at ground level

Yes ☒ No ☐

If marked, then paint marking color(s) are BLUE

Amount of forest products to be harvested:

28,800 Board feet

274 Cords

Cubic feet

Tons



Timber Harvest Objective:

Salvage + Improvement Harvest

Timber Harvest Treatment:

Selective thinning w/ harvest of Whiteash

### Actions Being Performed on This Land

(Check all that apply and locate on attached Harvest Area map – see information below on maps.)

|                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Crossings / Clearing</b><br><input checked="" type="checkbox"/> Temporary stream/drainage crossing<br><input type="checkbox"/> Temporary wetlands crossing<br><input checked="" type="checkbox"/> Removal of trees in wetlands<br><input checked="" type="checkbox"/> Removal of trees in upland review area | <b>Erosion and Sedimentation Control Measures*</b><br><input type="checkbox"/> Installation of water bars<br><input checked="" type="checkbox"/> Grading<br><input type="checkbox"/> Seeding<br><input type="checkbox"/> Other (describe below) |
| <b>Log landing area:</b><br><input checked="" type="checkbox"/> Anti-tracking pad<br><input checked="" type="checkbox"/> Curb cut                                                                                                                                                                               | <b>Roads</b><br>Are new roads, other than skid trails, to be constructed for transport of logs or other activities associated with this harvest? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                            |

\* All erosion and sediment controls must comply with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control as amended. See <http://www.ct.gov/dep/cwp/view.asp?A=2720&Q=325660> for info on viewing copy

Describe in further detail as necessary:

Corridors to be utilized at intermittent drainage crossings, plus post-harvest re-grading of Forest trail

The following maps are attached to this Request For Approval Of Timber Harvest (Check all that apply)

- ☐ Copy of USGS topographic map with the property outlined  
☒ Copy of Assessor's map with the property outlines  
☒ Timber Harvest Area map showing outline of harvest area, skid road locations, log landing area, truck access roads, inland wetlands, watercourses and any crossings drawn to scale

The undersigned hereby swears that the information contained in this application is true, accurate and complete to the best of my (our) knowledge and belief and that the timber harvest will be conducted in accordance with the specifications outlined in this Request for Approval of Timber Harvest

Signature of Landowner:

Blair Cole

Date: 8-26-2021

Print / Type Name:

BLAIR COLE

Signature of Certified Forest Practitioner:

Marc Tremblay

Date: 5/25/21

Print Name:

Marc Tremblay, CF CTF 517

**Complete and Submit to:** Office of the Thompson Inland Wetlands Commission, Thompson Town Hall, 815 Riverside Drive, N. Grosvenordale, CT 06255  
A courtesy copy of this completed form should be sent to the Department of Environmental Protection, Division of Forestry, 79 Elm Street, Hartford, CT 06106-5127, Tel: (860)424-3630

\*\*\* For Commission Use Only \*\*\*

Agency or Agent's Response:

IWC Chair or Agent Signature:

Date:

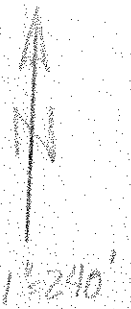


# HARVEST MAP

PROPERTY OF

BLAIR COLE

172 COUNTY HOME RD  
THOMPSON, CT



## LEGEND

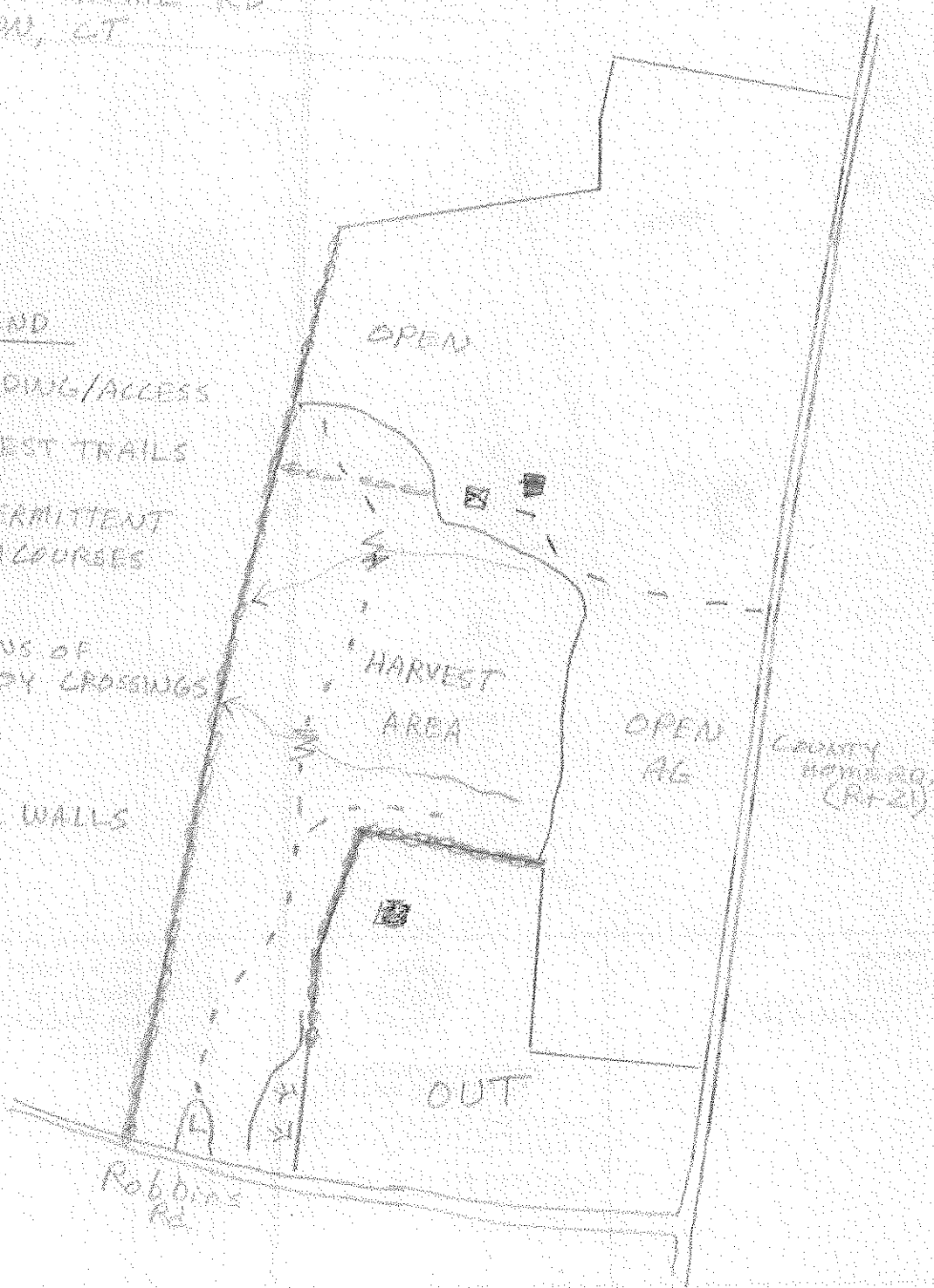
(L) - LANDING/ACCESS

--- - FOREST TRAILS

~ - INTERMITTENT  
STREAM COURSES

||| - LOCATIONS OF  
CORDUROY CROSSINGS

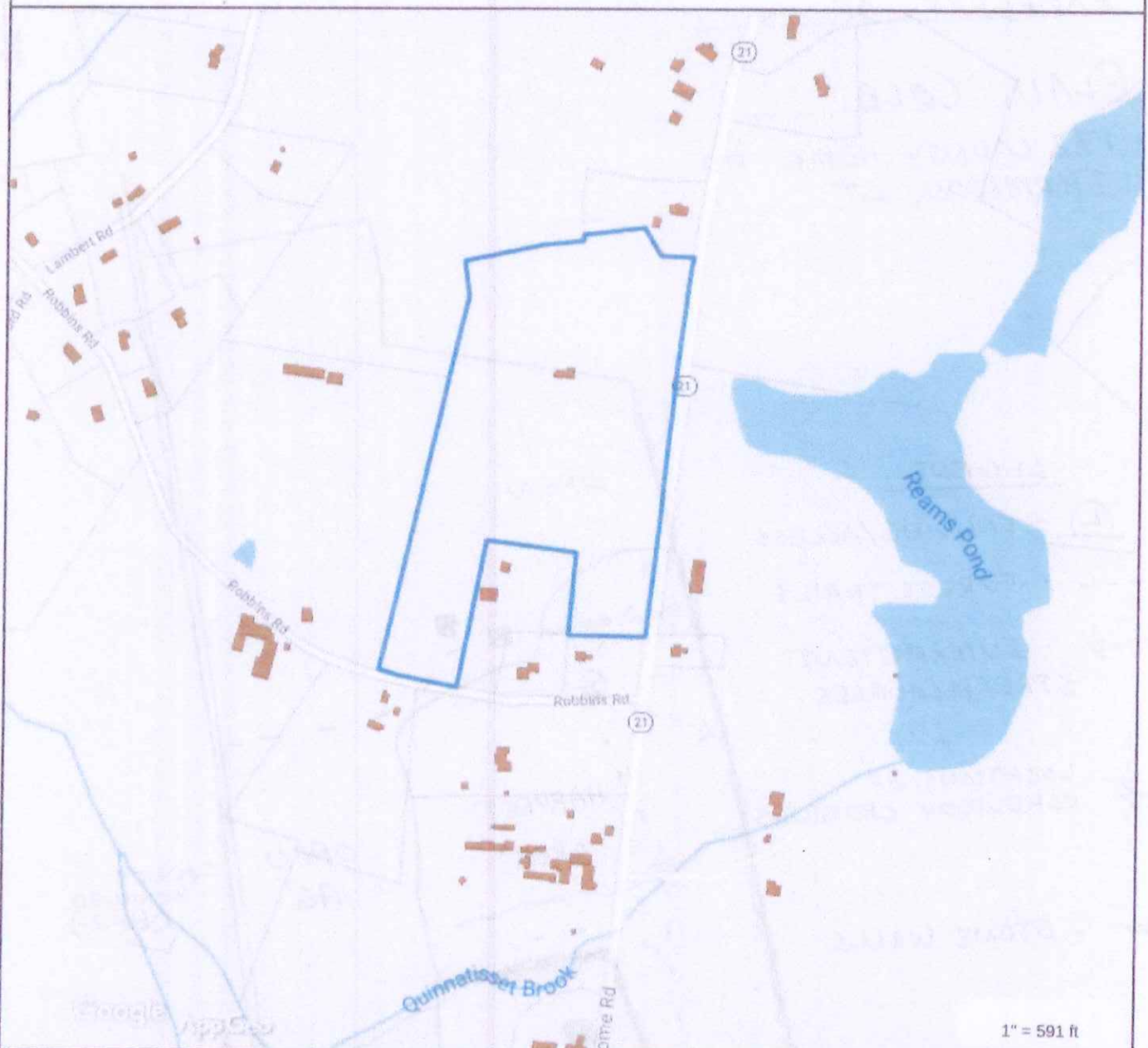
--- - STONE WALLS



APRIL, 2021  
BY: M. TREMBLAY, CF  
F-517



## Cole Property, Thompson, CT



## Property Information

Property ID 101782  
Location 172 COUNTY HOME RD  
Owner COLE BLAIR C + KAREN A

**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

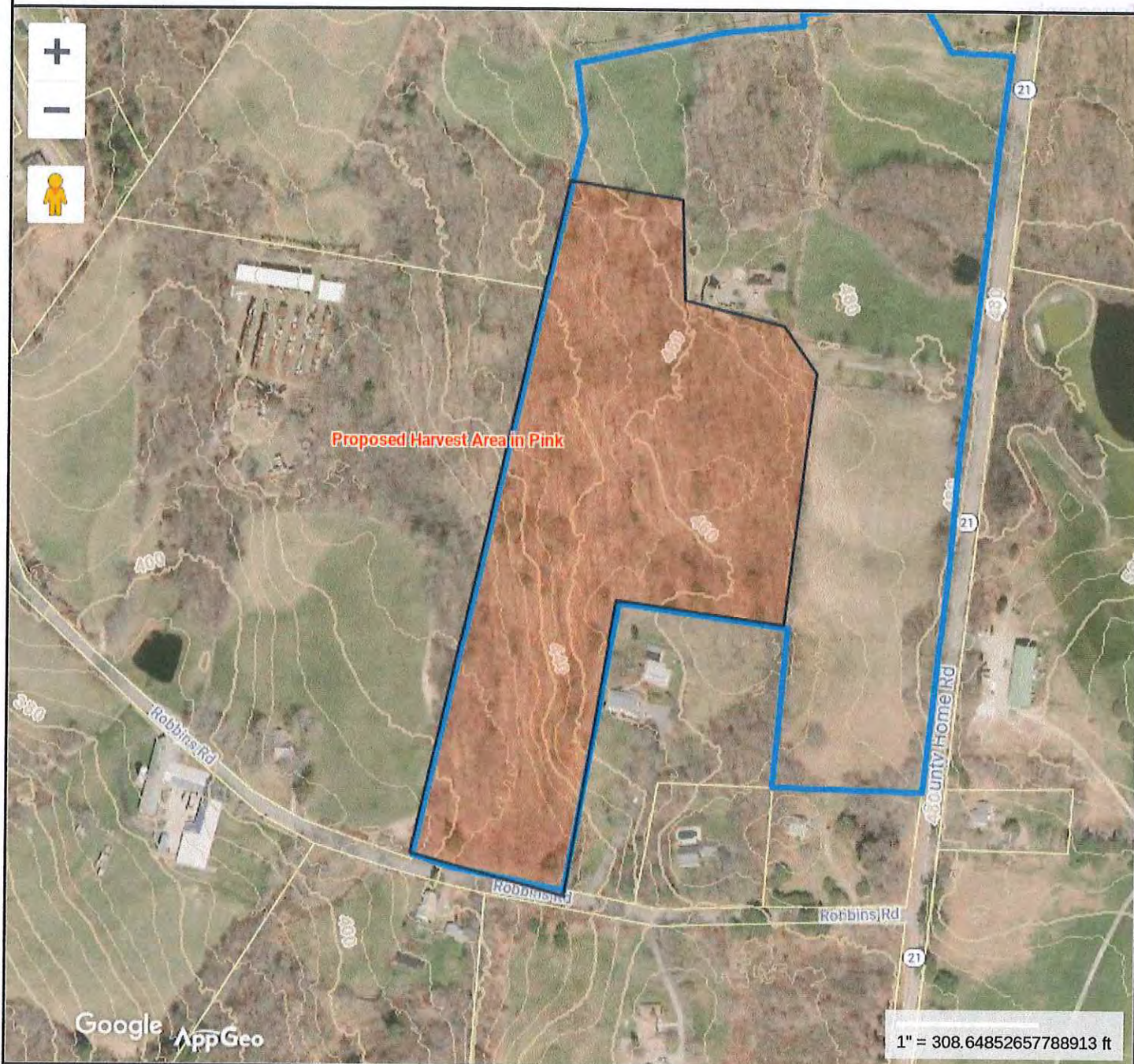
Town of Thompson, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated September 21, 2020  
Data updated March 20, 2019

Print map scale is approximate.  
Critical layout or measurement  
activities should not be done using  
this resource.



## 172 County Home Rd Harvest Area with 2-ft Contours



## Property Information

Property ID 101782  
Location 172 COUNTY HOME RD  
Owner COLE BLAIR C + KAREN A

MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT

Town of Thompson, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated September 21, 2020  
Data updated March 20, 2019

Print map scale is approximate.  
Critical layout or measurement  
activities should not be done using  
this resource.

## Agenda Item E.b) 3. New Applications

**WAA21025**, RT193, LLC, 49 Thompson Rd (Assessor's map 87, block 53, lot 8), construct event barn with associated parking and drainage, stamped received by Town Clerk 8/26/21, stamped received by Wetlands Office 8/30/21, under review.



Original

|                    |                 |
|--------------------|-----------------|
| For Wetland Agent: | rev 01/11       |
| APPLICATION #WAA   | 21025           |
| DATE RECEIVED      | August 26, 2021 |

RECEIVED  
TOWN OF THOMPSON, CT.  
Application for  
2021 AUG 26 P 2: 37  
Wetland Agent Approval  
to conduct a regulated activity  
Linda Paradise  
TOWN CLERK ASST

## Town of Thompson

INLAND WETLANDS COMMISSION  
815 RIVERSIDE DRIVE  
NORTH GROSVENORDALE, CT 06255

### Instructions:

Two (2) copies of the completed application and two (2) copies of all the additional attached documents (site plan, etc.) must be submitted to the Agent.

The applicant is advised to read Sections 7 and 8 of the Regulations for further information regarding application requirements and procedures. THE APPLICANT IS FURTHER ADVISED THAT A BUFFER (SETBACK) OF 100 FEET FROM AN INLAND WETLAND OR WATERCOURSE IS REQUIRED, AND A BUFFER/SETBACK OF 200 FEET FROM THE TEN (10) ESPECIALLY NOTEWORTHY WETLANDS AND WATERCOURSES IDENTIFIED IN THE TOWN OF THOMPSON INLAND WETLAND INVENTORY PREPARED BY NORTHEASTERN CONNECTICUT REGIONAL PLANNING AGENCY 1980 PAGES 9, 14 AND 15 IS REQUIRED. See Section 6 of the Regulations for further information regarding regulated activities.

Please provide the following information:

- Directions to the property from the Thompson Town Hall
- Location of Utility Pole nearest your property
  - \*Pole Number    \*Location of property in reference to Pole

---

NO APPROVAL SHALL BE TRANSFERRED WITHOUT PERMISSION OF THE AGENCY.

---

### FEE SCHEDULE:

(Additional \$60.00 fee to State as per Public Act 09-03, Section 396)

- Individual Lot ..... \$50 + \$60  
(Includes Mandatory Legal Advertisements Fee of \$20)

If the Agent finds that greater than a minimal impact may occur to wetlands, then this proposal must undergo a full permit application. Fee will be applied to the permit application.

---

**Please complete the following application information.**  
**If you need assistance contact the Wetland Agent (office 860- 923-1852)**  
**Fax 860-923-9897**  
**[www.thompsonct.org/wetlands](http://www.thompsonct.org/wetlands)**

Received  
AUG 30 2021

Date 8/26/21

1) Name of Applicant KEN LOISELLE (PTE 193 LLC)  
Home Address P.O. BOX 213, POMFRET CENTER, CT 06259  
Home Tele & Hrs 401-529-2788 Business Tele & Hrs \_\_\_\_\_  
Business Address \_\_\_\_\_

2) Applicant's interest in the Property: ☒ Owner \_\_\_\_\_ Other \_\_\_\_\_  
**INLAND WETLANDS APPROVALS CAN BE GRANTED TO PROPERTY OWNER ONLY.**

3) Name of Property Owner (if not applicant) \_\_\_\_\_  
Home Address \_\_\_\_\_  
Business Address \_\_\_\_\_  
Home Tele & Hrs \_\_\_\_\_ Business Tele & Hrs \_\_\_\_\_

4) Geographical Location of the Property (site plan to include utility pole number nearest property or other identifying landmarks)

Pole # and Location C, L&P 2166 ACROSS ROAD  
Street or Road Location 49 THOMPSON ROAD  
Tax Assessor's Map # 87  
Block # 53  
Lot # that appears on site plan 8  
Deed Information : Volume # 890  
Page # 37

5) The property to be affected by the proposed activity contains:

Soil Types SEE SOIL SCIENTIST LETTER  
Wetland Soils ☒ (Swamp \_\_\_\_\_ Marsh \_\_\_\_\_ Bog \_\_\_\_\_ Vernal Pool \_\_\_\_\_)  
Watercourses \_\_\_\_\_ (Lake or Pond \_\_\_\_\_ Stream or River \_\_\_\_\_ Intermittent Stream \_\_\_\_\_)  
Floodplain - ☒ Yes / ☐ No ON PROPERTY BUT NO WORK PROPOSED IN

6) Description of the Activity for which Approval is requested CONSTRUCTION OF AN  
EVENT BARN w/ PARKING IN OPEN FIELD BEHIND  
ANYA RESTAURANT

Received

AUG 30 2021





**Joseph R. Theroux**

~ Certified Forester/ Soil Scientist ~

Phone 860-428-7992 ~ Fax 860-376-6821

P.O. Box 32, Voluntown, CT. 06384

Forestry Services ~ Environmental Impact Assessments

Wetland Delineations and Permitting ~ E&S/Site Inspections

Wetland function and value assessments

11/3/16

J & D Civil Engineers  
401 Ravenelle Rd.  
North Grovesnordale CT. 06255

Attn: Mr. Daniel Blanchette

Re: Wetland delineation, Holke property, Thompson Rd. Thompson, CT.

Dear Daniel,

At your request I have delineated the inland wetlands on the above referenced property located on Thompson Rd. (Route 193) in Thompson, CT.

These wetlands 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 a corresponding location number delineate the boundary between the upland soils and the poorly drained (wetland) soils adjacent to the proposed development.

Flag numbers WF-1 thru WF-38 delineate the northern boundary of a palustrine scrub-shrub wetland complex in the southern portion of the property. A watercourse is also located within this wetland and also runs east west along the southern property boundary. The eastern portion of the wetland complex is a palustrine forested wetland.

These wetland soils are characterized by shallow redoximorphic features and low chroma colors within 20 inches of the soil surface. These soils have formed as a result of high water tables associated with the floodplain of the watercourse.

Received

AUG 30 2021

Thompson Wetlands Office

In conclusion, if you have any questions concerning the delineation or this report, please feel free to contact me.

Thank you,



Joseph R. Theroux  
Soil Scientist  
Member SSSSNE, NSCSS, SSSA.

Received

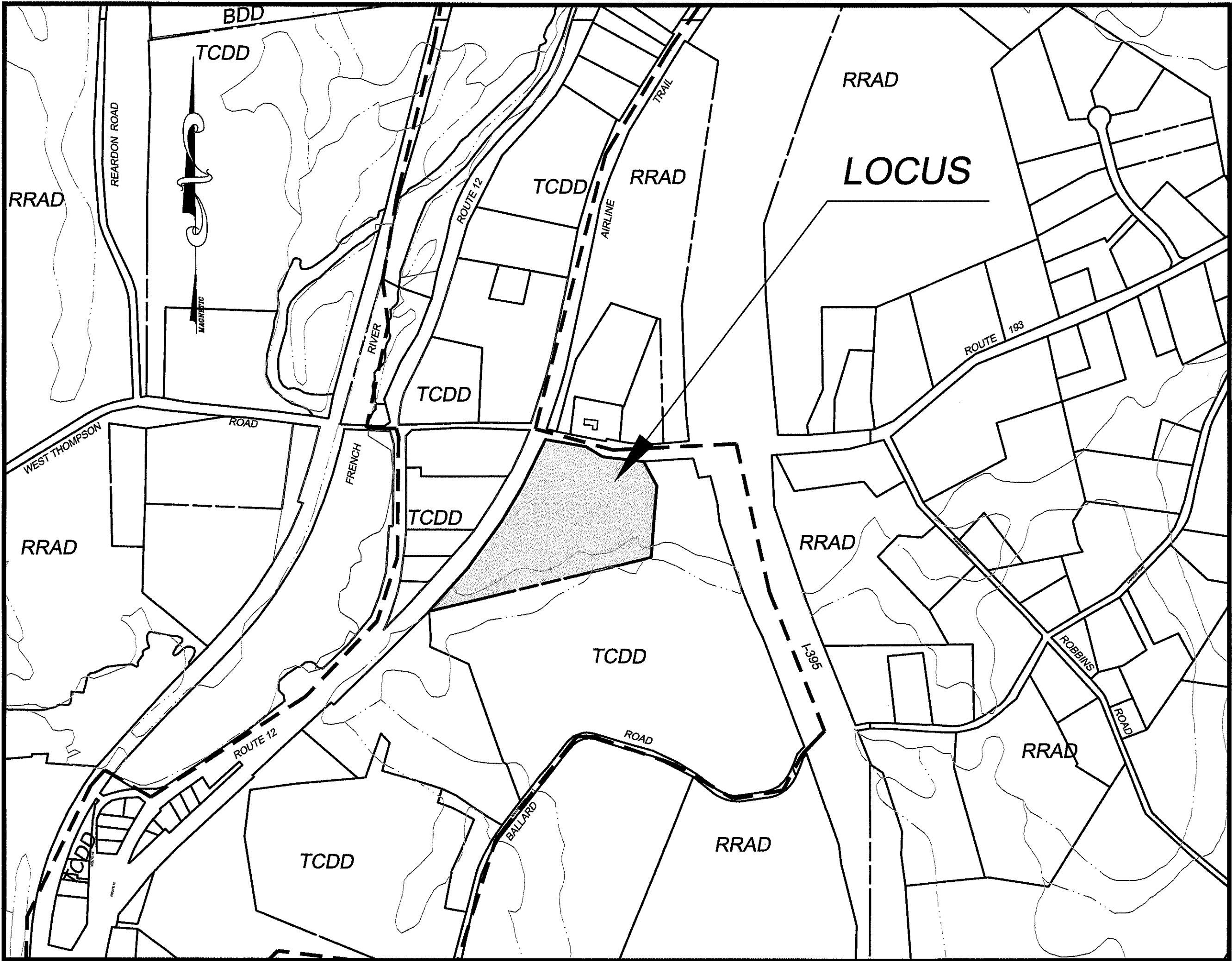
AUG 30 2021

Thompson Wetlands Office



**ANYA EVENT BARN**  
**49 THOMPSON ROAD (ROUTE 193)**  
**THOMPSON, CONNECTICUT**  
**AUGUST 26, 2021**

**DEVELOPER**  
**ROUTE 193, LLC**  
**PO BOX 213**  
**POMFRET, CT 06259**



**LOCATION MAP**  
**1" = 500'**

**TABLE OF ZONING REQUIREMENTS**  
**ZONE: THOMPSON CORRIDOR DEVELOPMENT DISTRICT (TCDD)**  
**USE: FOOD AND BEVERAGE SERVICE ESTABLISHMENT**

|                             | REQUIRED  | EXISTING   | PROPOSED BUILDING |
|-----------------------------|-----------|------------|-------------------|
| LOT AREA                    | 40,000 SF | 603,017 SF | 603,017 SF        |
| LOT FRONTAGE                | 100'      | 592.41'    | 592.41'           |
| STREET LINE SETBACK (FRONT) | 20'       | 208'       | 338'              |
| SIDE AND REAR LINE SETBACK  | 25'       | 268'       | 236'              |
| MAXIMUM BUILDING HEIGHT     | 35'       | <35'       | <35'              |
| MAXIMUM IMPERVIOUS SURFACE  | 75%       | 9.3%       | 12.6%             |
| PARKING                     |           | 94         | 127               |

**INDEX OF DRAWINGS**

| NO. | DESCRIPTION                                  |
|-----|----------------------------------------------|
| 1   | COVER SHEET                                  |
| 2   | SITE DEVELOPMENT PLAN                        |
| 3   | CONSTRUCTION DETAILS AND NOTES               |
| 4   | SEPTIC SYSTEM CONSTRUCTION DETAILS AND NOTES |

**J & D CIVIL ENGINEERS, LLC**  
**401 RAVENELLE ROAD**  
**THOMPSON, CT 06255**  
**PHONE: 860-923-2920**  
**WWW.JDCIVILENGINEERS.COM**

Received  
AUG 30 2021  
Thompson Wetlands Office

Application W 4421025 Copy 1

# **Stormwater Report**

**Anya Event Barn  
49 Thompson Road (Route 193)  
in  
Thompson, CT**

**August 26, 2021**

**Prepared by:**

**J & D Civil  
Engineers, LLC**

---

401 Ravenelle Road  
N. Grosvenordale, CT 06255

Received  
AUG 30 2021  
Thompson Wetlands Office



## **Project Description**

The property is located on the south side of Route 193 and is bounded by the CT DEEP airline trail on the west. The Anya Restaurant is currently located on the property. The owners wish to construct a three season event barn behind the restaurant to host weddings, graduation parties, etc. This structure will only be used one or two days per week spring through fall.

A new bituminous concrete access driveway is proposed. Additional pervious parking is proposed. Staff can park on a lawn area where designated on the plan and another 16 gravel spaces will be added adjacent to the new driveway.

This stormwater report will address the proposed new features. The existing parking lot drainage system will not be impacted by the new event barn.

## **Existing Site Description**

The property is approximately 14 acres in size. The site is currently wooded along the southern property line and contains a restaurant and a paved parking lot. The majority of the property is maintained as a lawn/field. A wetland and associated 100 year flood zone runs along the southern property line.

## **Existing and Proposed Drainage Patterns**

The land slopes from north to south toward the linear wetlands parallel to the southern property line. This wetlands contributes to Quinnatisset Brook which then flows under Route 12 to the French River. CT DOT has one catchbasin from the north side of Route 193 that discharges to the property within a drainage easement. During a typical rainfall event runoff from the state pipe infiltrates into the ground and doesn't even flow behind the restaurant.

## **Hydrologic Soil Groups**

The soil type on the developed portion of the property was determined, by test pits and the NRCS soil survey, to be well drained sand and gravel. Within the wetlands and woods the soils are Scarboro and Sudbury. The NRCS groups soils into four categories according to their runoff producing characteristics. Group A consists of soils that have a high infiltrative capacity and a low runoff potential even when saturated. Group D soils have a very low infiltration rate and high runoff potential. The well drained soils on this site within the cleared area are consistent with Hydrologic Group A characteristics. The soils within the woods are hydrologic soil groups B and D therefore they were modeled as an average C.

## **Low Impact Development and Stormwater Quality**

This project incorporates several best management practices that will help improve water quality. The stormwater quality features have been designed as recommended by the 2004 CT Stormwater Quality Manual. All of the runoff from impervious areas on the

site will be treated via filtration. Runoff from the southern half of the proposed driveway will sheet flow to the south and will be filtered through the lawn. The northern half of the driveway as well as the roof from the new barn will be directed to a landscaped stormwater bioretention basin. The basin will be constructed with well-drained soil at the bottom and will have an underdrain that will slowly drain the basin so there will be capacity for it to function as a detention basin during large storm events. This basin, with well drained underlying soils, will promote groundwater recharge. The drainage area for sheet flow and the stormwater basin are shown on the attached drainage area map.

### **Methodology**

The HydroCAD computer program was used for hydraulic computations for this project. This program models the hydrology and hydraulics of stormwater runoff based largely upon the methods developed by the Soil Conservation Service (now known as the Natural Resources Conservation Service). Required input data includes the size of the contributing drainage area, curve numbers which are based upon land use and soil types, and times of concentration. Hydrographs with peak flows determined are calculated for each drainage area based upon the SCS synthetic unit hydrograph method. The rainfall distribution used in the program was the SCS Type III storm recommended for New England.

### **Comparison of Pre-development and Post Development Flows**

The stormwater basin will mitigate the effects of increased peak flows caused by increased impervious area. The basin will both infiltrate and store stormwater. There will be a very small increase in peak flows after development because the impervious southern half of the driveway will sheet flow toward the wetlands and has not been graded to drain toward the stormwater basin. The driveway sheet flow over hundreds of feet will allow for a broader dispersion of runoff across the land and will mimic predevelopment conditions better which is an LID goal. The very minor increase in peak flow will be statistically insignificant to the downstream brook.

For various storm events the peak flow comparisons are:

|                     | 2 year   | 25 year | 100 year |
|---------------------|----------|---------|----------|
| Proposed (reach 4R) | 0.19 CFS | 4.7 CFS | 9.3 CFS  |
| Existing            | 0.15 CFS | 4.1 CFS | 9.2 CFS  |

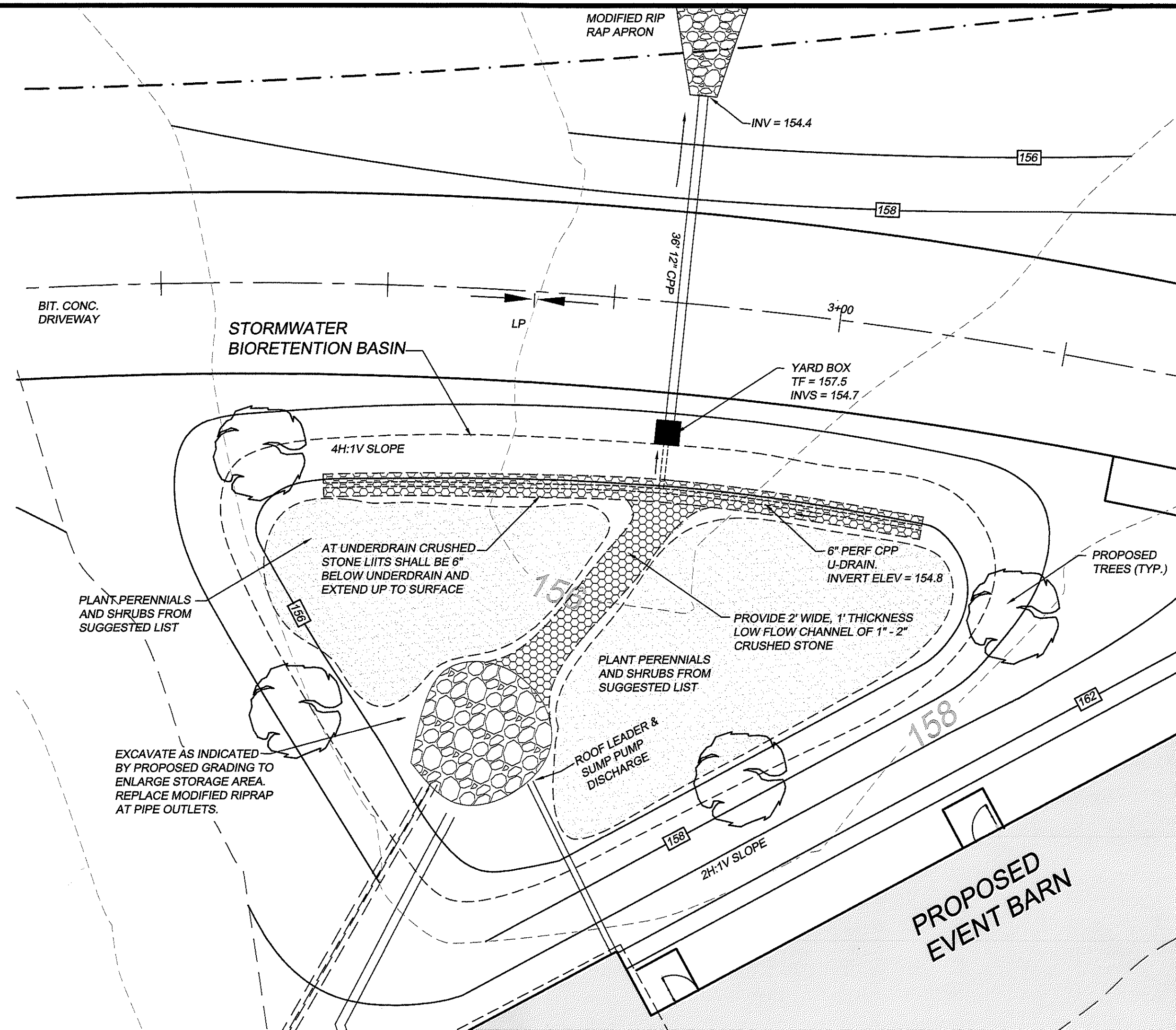




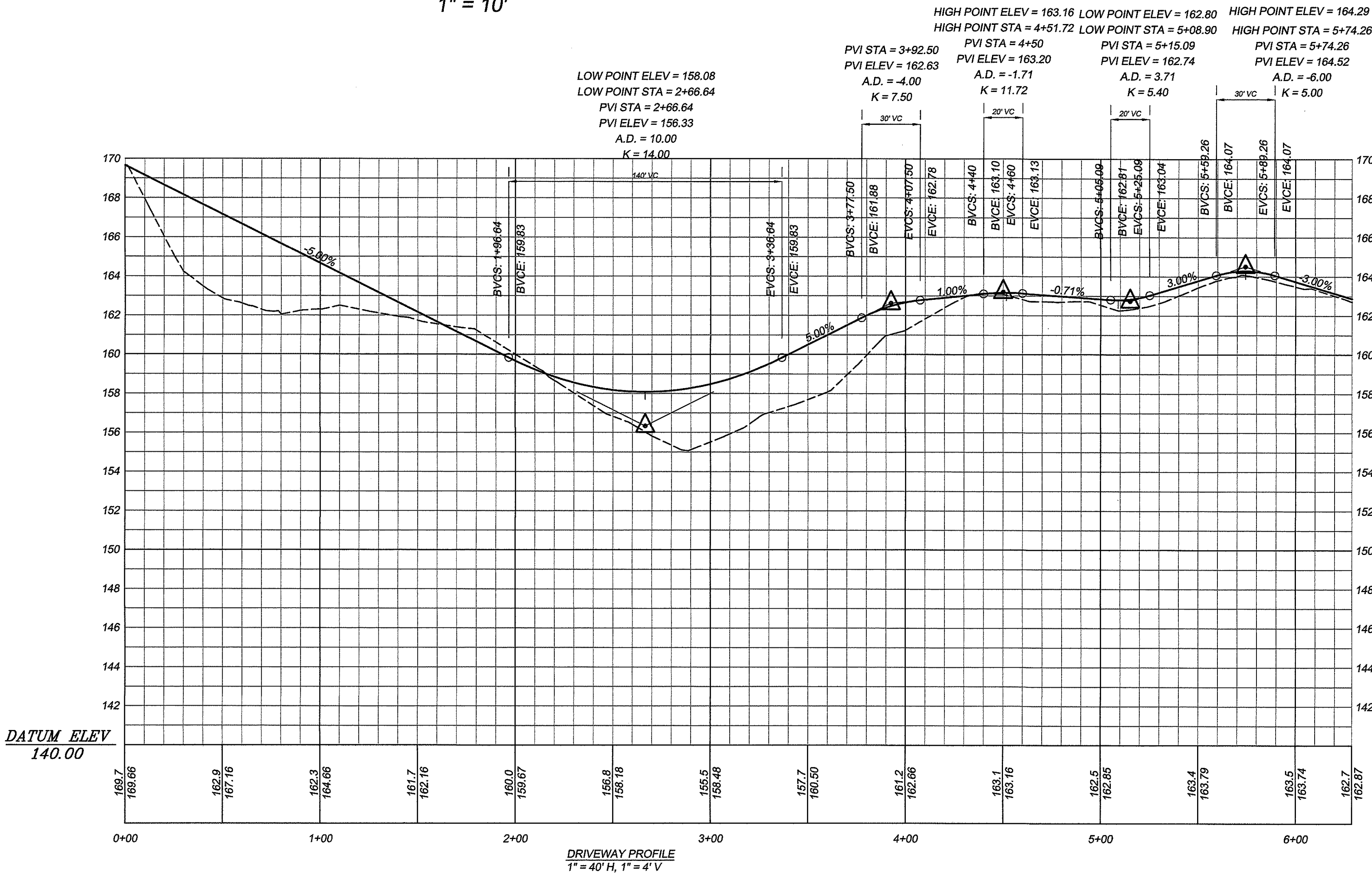




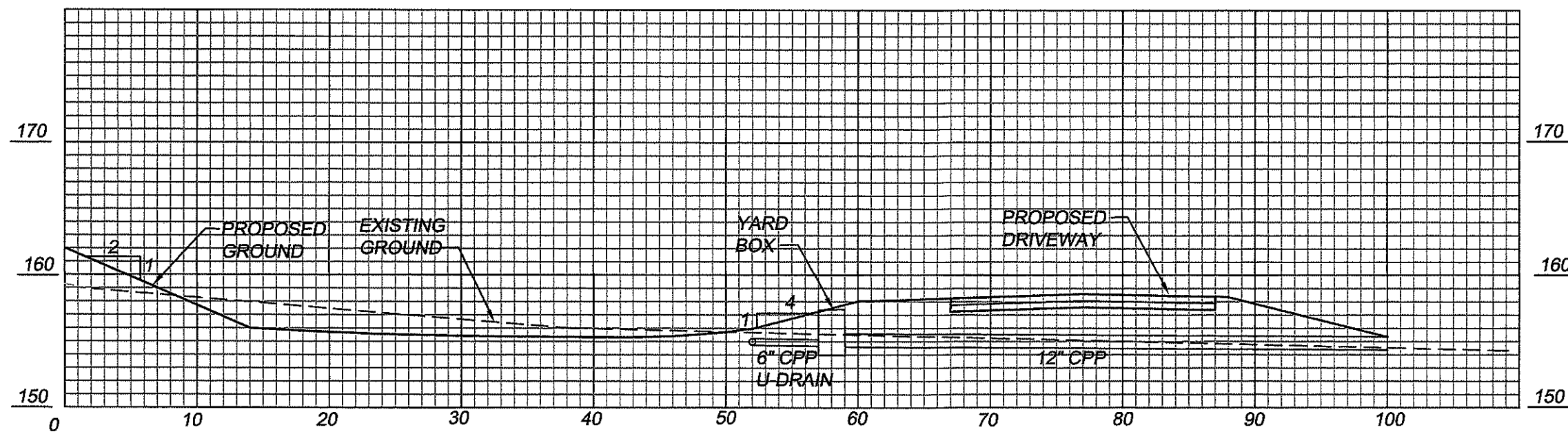




**BIORETENTION AREA DETAILS**  
1" = 10'



**DRIVEWAY PROFILE**  
1" = 40' H, 1" = 4' V



**CROSS SECTION THROUGH BIORETENTION AREA**  
1" = 10'

**BIORETENTION AREA PLANTING NOTES:**

THE PLANTS WITHIN THE BIORETENTION AREA WILL BE SUBJECT TO PERIODIC INUNDATION. THEREFORE ANY SPECIES PLANTED MUST BE CAPABLE OF SURVIVING UNDER VARIABLE WATER CONDITIONS. THE SELECTED SPECIES SHOULD ALSO BE ATTRACTIVE FROM THE BUILDING. NO SPECIES LISTED AS INVASIVE IN CONNECTICUT, OR VERY AGGRESSIVE SPREADERS, SHALL BE PLANTED. PLANTS SHALL BE SELECTED AND PLANTED BY EXPERIENCED PROFESSIONAL LANDSCAPERS. A MIXTURE OF TREES, SHRUBS, AND PERENNIALS OR GRASSES, SHALL BE PLANTED. THE FOLLOWING IS A RECOMMENDED LIST OF SPECIES. AT LEAST 4 TREES SHALL BE PLANTED ON THE SIDE SLOPES OF THE BIORETENTION AREA.

**PERENNIALS**

RED COLUMBINE (AQUILEGIA CANADENSIS)  
ASTILBE (ASTILBE SPP.)  
JOE PYE WEED (EUPATORIUM FISTULOSUM)  
SPIKED GAY FEATHER (LIATRIS SPICATA)  
CINNAMON FERN (OSMUNDA CINNAMOMEA)  
ROYAL FERN (OSMUNDA REGALIS)  
BLACK-EYED SUSAN (RUDBECKIA HIRTA)  
EARLY CONEFLOWER (RUDBECKIA FULGIDA)

**GRASSES**

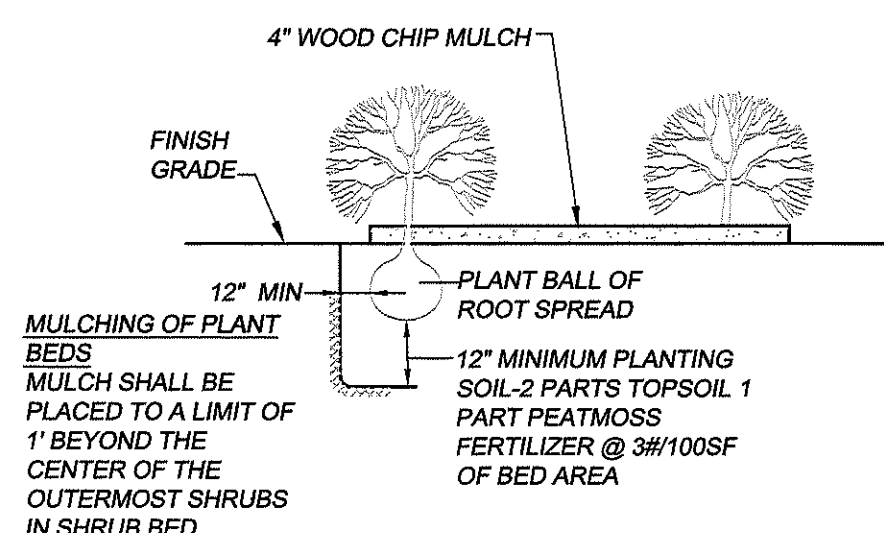
LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM)  
MEADOW FOXTAIL (ALOPECURUS PRATENSIS)  
BLUE JOINT (CALAMAGROSTIS CANADENSIS)  
TUFTED HAIR GRASS (DESCHAMPSIA CAESPITOSA)  
SWITCH GRASS (PANICUM VIRGATUM)

**SHRUBS**

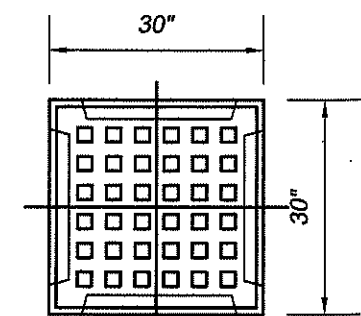
RED CHOKEBERRY (ARONIA ARBUTIFOLIA)  
PASTURE ROSE (ROSA CAROLINA)  
RED OSIER DOGWOOD (CORNUS SERICEA)  
INKBERRY (ILEX GLABRA)  
SPICEBUSH (LINDERA AESTIVALE BENZOIN)  
PINXTERBLOOM AZALEA (RHODODENDRON PERICLYMENOIDES)  
ELDERBERRY (SAMBUCUS CANADENSIS)  
LOWBUSH BLUEBERRY (VACCINIUM ANGUSTIFOLIUM)  
Highbush Blueberry (Vaccinium corymbosum)  
WITHERED (VIBURNUM CASSINOIDES)  
ARROWWOOD (VIBURNUM DENTATUM)  
NANNYBERRY (VIBURNUM LENTAGO)  
BLACK HAW (VIBURNUM PRUNIFOLIUM)  
BUSHY ST. JOHN'S WORT (HYPERICUM DENSIFLORUM)  
BLACK HUCKLEBERRY (GAYLUSSACIA BACCATA)  
SHADBUSH (AMELANCHIER CANADENSIS)  
SWEET PEPPERBUSH (CLETHRA ALNIFOLIA)  
SWEET FERN (COMPTONIA PEREGRINA)  
WINTERBERRY (ILEX VERTICILLATA)

**TREES**

RIVER BIRCH (BETULA NEGRA)  
RED MAPLE (ACER RUBRUM)  
SWEETGUM (LIQUIDAMBAR STYRACIFLUA)  
PIN OAK (QUERCUS PALUSTRIS)  
SHADLOW (AMELANCHIER SPP.)  
GREEN ASH (FRAXINUS PENNSYLVANICA)  
COMMON HACKBERRY (CELTIS OCCIDENTALIS)  
AMERICAN SYCAMORE (PLATANUS OCCIDENTALIS)  
BLACK BIRCH (BETULA LENTA)

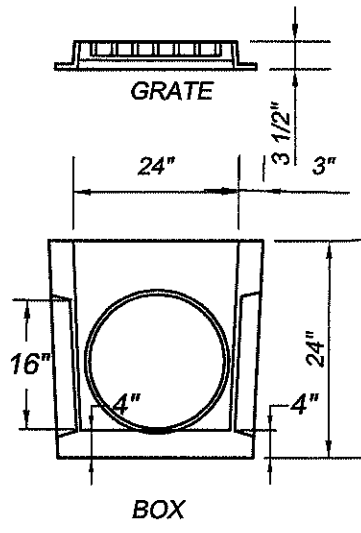


**PLANTING FOR SHRUBS IN BEDS**  
NOT TO SCALE

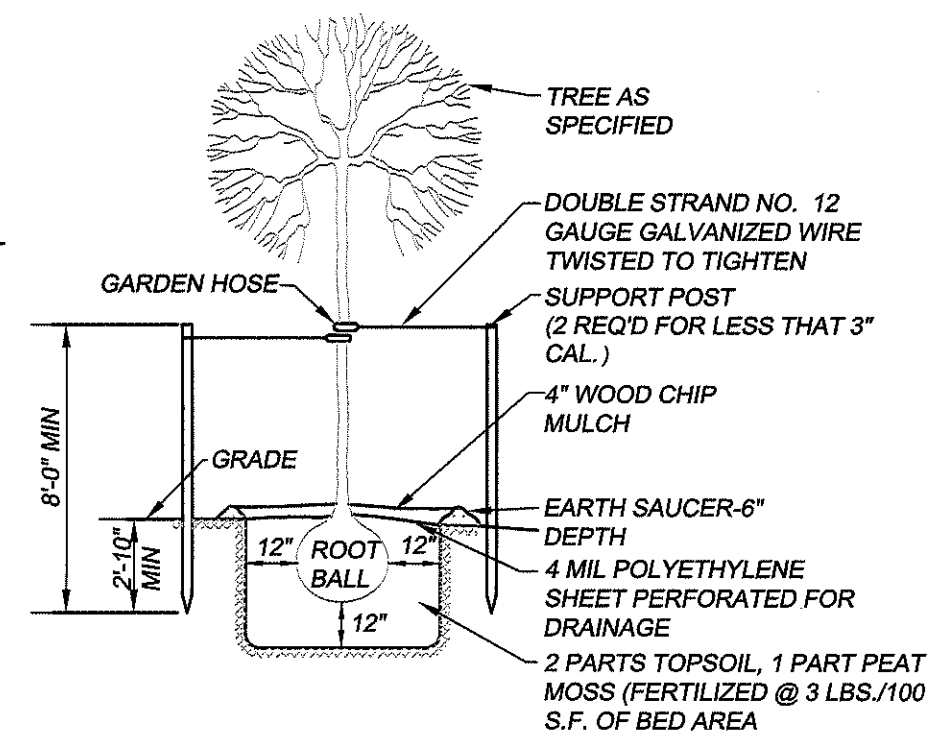


**DESIGN NOTES**

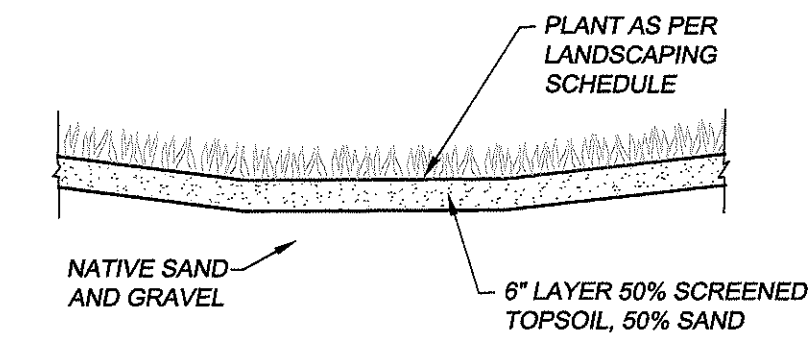
- 1) 16" DIAMETER KNOCKOUT - 4 PLACES
- 2) TYPE II CEMENT ASTM C150-81
- 3) CONCRETE STRENGTH 5000 PSI MIN. 28 DAYS
- 4) CAN WITHSTAND MEDIUM-DUTY TRAFFIC
- 5) GRATE IS BICYCLE SAFE



**24" x 24" YARD BOX**  
NOT TO SCALE



**TREE PLANTING**  
NOT TO SCALE



**CONSTRUCTION NOTES:**

1. PROTECT STORMWATER INFILTRATION BASIN FROM OVERCOMPACTION
2. AFTER EXCAVATION MINIMIZE VEHICULAR TRAFFIC.
3. PROTECT AREA FROM SILTATION

**STORMWATER BIORETENTION BASIN SECTION**  
NOT TO SCALE

**SOIL EROSION CONTROL PLAN**

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT AN EVENT BARN IN THE FIELD BELOW THE ANYA RESTAURANT. THE GOAL OF THE EROSION CONTROL PLAN IS TO PROHIBIT ANY ERODED SEDIMENT OR SEDIMENT LADEN RUNOFF FROM LEAVING THE FIELD AREA AND ENTERING DOWNSTREAM WETLANDS. THE SITE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL DEVICES AS NEEDED, BEYOND WHAT IS INDICATED ON THE PLAN, SUCH AS HAYBALES, SILT SOCK, STONE CHECK DAMS ETC, TO ENSURE THE NO SEDIMENT ERODES FROM THE SITE.

**CONSTRUCTION SEQUENCE**

1. INSTALLATION OF SEDIMENT CONTROL BARRIERS AS SHOWN ON THE PLAN.
2. CLEARING AND GRUBBING
3. STRIP TOPSOIL
4. SITE ROUGH CUTS AND FILLS
5. DRAINAGE INSTALLATION
6. GRADE AND CONSTRUCT DRIVEWAY
7. POUR CONCRETE FOUNDATION
8. COMPLETE SITE STABILIZATION AND REMOVE EROSION CONTROL

NOTE THAT BUILDING CONSTRUCTION MAY BE ONGOING AFTER FOUNDATION IS POURED.

**OPERATIONS AND MAINTENANCE**

1. ALL PROPOSED WORK SHALL CONFORM TO "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL OF SOIL AND WATER CONSERVATION AND TOWN REGULATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE GOALS OF THIS EROSION CONTROL PLAN ARE MET BY WHATEVER MEANS ARE NECESSARY. THE CONTRACTOR SHALL PLAN ALL LAND DISTURBING ACTIVITIES IN A MANNER AS TO MINIMIZE THE EXTENT OF DISTURBED AREAS.
3. PRIOR TO CONSTRUCTION OR EXCAVATION, SEDIMENT BARRIERS SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON THE PLAN OR AS REQUIRED BY THE TOWN AND MAINTAINED THROUGHOUT CONSTRUCTION.
4. DISTURBED AREAS SHALL BE FINAL GRADED AS SOON AS POSSIBLE AFTER EXCAVATION. FINAL GRADING SHALL INCLUDE REMOVAL OF LARGE ROCKS, STUMPS AND OTHER DEBRIS FROM THE FINISHED SURFACE.
5. STORMWATER INFILTRATION BASINS MUST BE PROTECTED FROM SILTATION. ANY SILT THAT ACCUMULATES DURING CONSTRUCTION SHALL BE EXCAVATED PRIOR TO LOAMING AND SEEDING
6. DAILY INSPECTIONS SHALL BE MADE OF EROSION AND SEDIMENT CONTROL MEASURES TO INSURE EFFECTIVENESS AND IMMEDIATE CORRECTIVE ACTION SHALL BE TAKEN IF FAILURE OCCURS. ADDITIONAL EROSION CONTROL MEASURES BEYOND WHAT IS SHOWN ON THE PLAN MAY BE NECESSARY.
7. EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN STABILIZED AND VEGETATIVE COVER HAS BEEN ESTABLISHED.
8. THE OWNER SHALL DESIGNATE THE ON-SITE ENVIRONMENTAL AGENT RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THIS EROSION AND SEDIMENT CONTROL PLAN. THE AGENT PHONE NUMBER SHALL BE PROVIDE TO THE ZEO.

**GENERAL CONSTRUCTION NOTES:**

LOCATIONS OF UNDERGROUND UTILITIES HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY WITH THE EXCEPTION OF THE COMPONENTS OF THE SEPTIC SYSTEM WHICH ARE THE RESULT OF AN AS-BUILT SURVEY PERFORMED BY J & D. THE CONTRACTOR SHALL NOTIFY CALL BEFORE YOU DIG AND FIELD VERIFY THE LOCATION, DEPTH AND ALIGNMENT OF ALL EXISTING PIPES, CABLES, ETC.

CONSTRUCTION SHALL BE IN CONFORMANCE WITH CONNDOT FORM 818 UNLESS OTHERWISE NOTED ON THE PLANS. UTILITY INSTALLATION SHALL BE IN CONFORMANCE WITH THE APPROPRIATE UTILITY COMPANY.

TYPICAL DETAILS SHOWN ARE TO ILLUSTRATE THE ENGINEER'S INTENT AND ARE NOT PRESENTED AS A SOLUTION TO ALL CONSTRUCTION PROBLEMS ENCOUNTERED IN THE FIELD. THE CONTRACTOR MAY SUBMIT PROPOSALS FOR ALTERNATE METHODS TO SUIT FIELD CONDITIONS.

ALL PIPING SHALL HAVE WARNING TAPE INSTALLED. IN ADDITION, ALL NONMETALLIC PIPE MUST BE PARALLELED BY A METALLIC WIRE OR METALLIC DETECTION TAPE FOR EASE OF LOCATING.

ALL PIPING SHALL BE CLEANED AND TESTED IN ACCORDANCE WITH THE APPLICABLE UTILITIES REQUIREMENTS. COPIES OF ALL TESTS SHALL BE PROVIDED TO THE OWNER PRIOR TO ACCEPTANCE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TESTING EQUIPMENT.

ALL TRENCHING SHALL BE DONE IN COMPLIANCE WITH OSHA REGULATIONS AND THE INSTALLATION REQUIREMENTS OF THE PIPE MANUFACTURER. THE OSHA CLASSIFICATION FOR SOILS AT THIS SITE IS "C" WHICH REQUIRES ALL EXCAVATIONS IN EXCESS OF 5' TO BE SHORED OR CUT BACK TO A SLOPE OF 1.5 HORIZONTAL TO 1.0 VERTICAL. IF SHORING IS REQUIRED, IT MUST BE DESIGNED BY A LICENSED CT PROFESSIONAL ENGINEER.

BENCHMARKS WILL BE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR IN LAYING OUT THE PROJECT. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

THE CONTRACTOR SHALL PROTECT BENCHMARKS, PROPERTY CORNERS AND SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. ANY SUCH ITEMS WHICH NEED TO BE REPLACED SHALL BE AT THE CONTRACTOR'S EXPENSE.

MAP 87 BLOCK 53 LOT 8

**CONSTRUCTION DETAILS AND NOTES**  
**ANYA EVENT BARN**

49 THOMPSON ROAD (ROUTE 193) - THOMPSON, CT

**J&D CIVIL ENGINEERS, LLC**  
401 RAVENELLE ROAD  
N. GROSVENORDALE, CT 06255  
860-923-2920

DESIGNED: JJB

REVISIONS:

CHECKED: DRB

JOB NO: 21178

SCALE: AS NOTED

DATE: AUGUST 26, 2021

SHEET: 3 OF 4

WAA2025 copy 1



# TEST PIT RESULTS

RECORDED BY: LYNETTE SWANSON  
OBSERVED BY SEAN MERRIGAN, JANET BLANCHETTE

DATED: 12/7/2016 NDDH FILE NO.: 17000163

## TEST PIT NO. 1

0-10" TOPSOIL  
10-30" YELLOW BROWN FINE SANDY LOAM  
30-96" DARK GRAY VERY FINE SILTY LOAM, MOTTLED

MOTTLING: 30"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 2

0-10" PLOWED TOPSOIL  
10-33" COARSE LOAMY FINE SAND, SOME GRAVEL  
33-60" TAN LOAMY FINE SAND TO MEDIUM LOAMY SAND  
60-133" GRAY VERY FINE SILTY LOAM, MOTTLED

MOTTLING: 60"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 3

0-10" TOPSOIL  
10-25" YELLOW BROWN FINE SANDY LOAM  
25-60" COARSE LOAMY SAND & GRAVEL  
60-72" WHITE VERY FINE LOAMY SAND  
72-94" COARSE LOAMY SAND

MOTTLING: N/A  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 4

0-10" TOPSOIL  
10-27" YELLOW BROWN FINE LOAMY SAND  
27-39" COARSE LOAMY SAND  
39-103" DARK GRAY VERY FINE SILTY LOAM

MOTTLING: 39"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 5

0-12" PLOWED TOPSOIL  
12-37" MEDIUM TO COARSE LOAMY SAND  
37-70" WHITE FINE SAND  
70-111" DARK GRAY VERY FINE SANDY LOAM, MOTTLED

MOTTLING: 70"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 6

0-11" PLOWED TOPSOIL  
11-31" REDDISH BROWN FINE LOAMY SAND  
31-47" DARK GRAY VERY FINE SANDY LOAM, MOTTLED  
47-98" WHITE COARSE LOAMY SAND AND GRAVEL

MOTTLING: 31"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 7

0-8" TOPSOIL WITH ROCK  
8-28" REDDISH BROWN FINE SANDY LOAM, LARGE ROCKS  
28-62" GRAY VERY FINE SANDY LOAM, MOTTLED  
62-103" COARSE LOAMY, SOME GRAVEL WITH VFSL

MOTTLING: 28"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 8 - NOT SUITABLE

0-17" TOPSOIL AND FILL MATERIAL  
0-36" TOPSOIL & FILL IN CENTER OF TEST PIT  
17-23" MOTTLED COARSE LOAMY SAND, SOME GRAVEL  
23-97" GRAY VERY FINE SILTY LOAM, MOTTLED

MOTTLING: 17"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 9

0-7" TOPSOIL  
7-41" COARSE LOAMY SAND & GRAVEL TO MED. SAND  
41-65" FINE LOAMY SAND  
65-96" GRAY VERY FINE SILTY LOAM, MOTTLED

MOTTLING: 65"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 10

0-13" PLOWED TOPSOIL  
13-23" YELLOW BROWN VERY FINE SANDY LOAM  
23-32" YELLOW BROWN FINE LOAMY SAND, SOME GRAVEL  
32-120" COARSE LOAMY SAND & SOME GRAVEL  
120-168" GRAY VERY FINE SANDY LOAM

MOTTLING: 120"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 11

0-7" TOPSOIL  
7-46" COARSE LOAMY SANDY AND GRAVEL, LG ROCKS  
46-86" MEDIUM SAND

MOTTLING: N/A  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 12

0-13" PLOWED TOPSOIL  
13-50" TAN COARSE LOAMY SAND  
50-86" GRAY VERY FINE SILTY LOAM, MOTTLED

MOTTLING: 50"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

## TEST PIT NO. 13

0-9" TOPSOIL  
9-40" TAN FINE LOAMY SAND  
40-86" DARK GRAY VERY FINE SILTY LOAM, MOTTLED

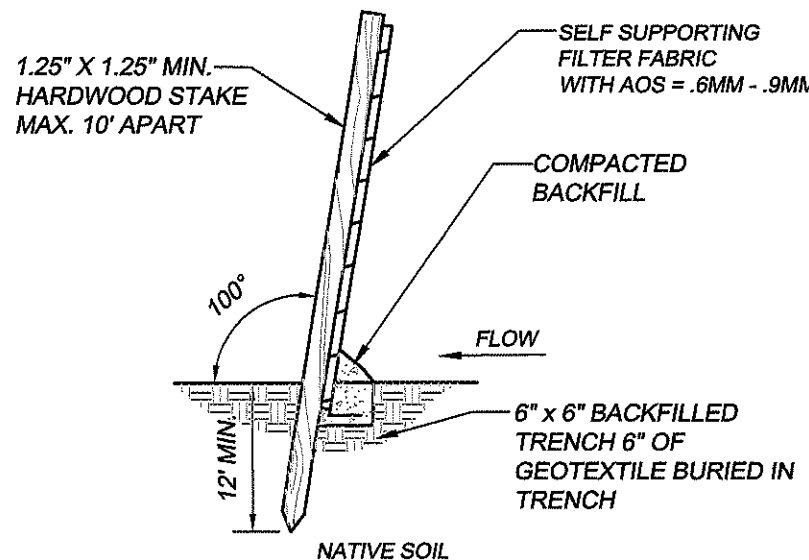
MOTTLING: 40"  
RESTRICTIVE LAYER: N/A  
LEDGE: N/A  
WATER: N/A

# PERC. TEST RESULTS

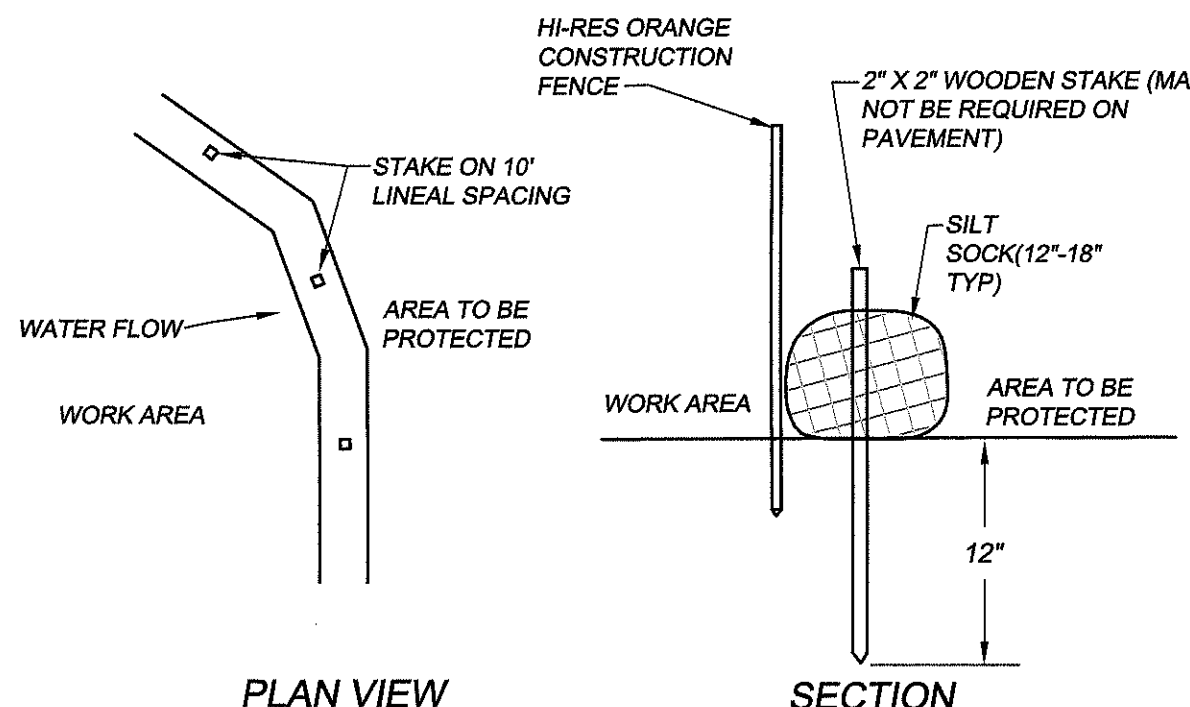
## HOLE A (TP 2)

DEPTH = 43"  
PERC. RATE = 1 MIN/INCH

| TIME | READING |
|------|---------|
| 2:46 | 7"      |
| 2:47 | 8.75"   |
| 2:48 | 10.50"  |
| 2:49 | 11.50"  |
| 2:50 | 12.50"  |
| 2:51 | 13.50"  |
| 2:52 | 14.50"  |
| 2:53 | 16" DRY |



SILT FENCE INSTALLATION  
NOT TO SCALE



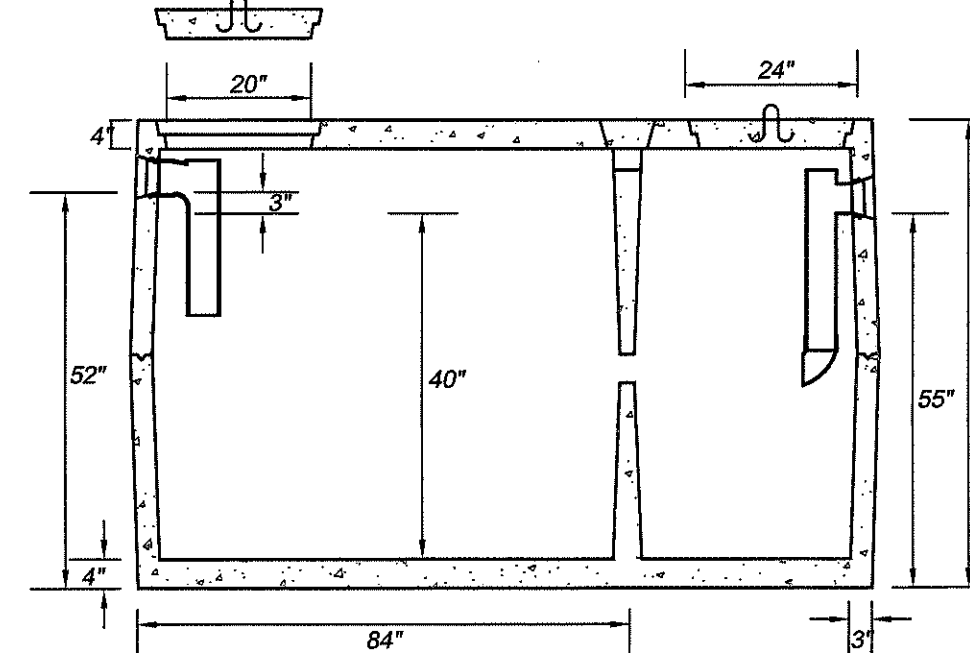
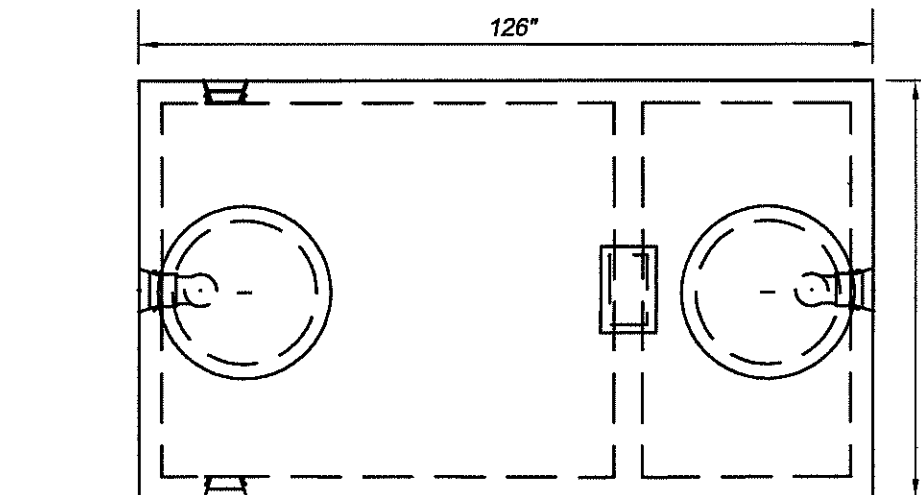
## NOTES

1. SILT SOCK MANUFACTURER SHALL BE SILT SOXX OR ENGINEER APPROVED EQUAL
2. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS
3. SEDIMENT SILT SOCK TO BE FILLED WITH LEAF COMPOST AND/OR WOODY MULCH PER MANUFACTURER'S REQUIREMENTS.
4. FOLLOWING CONSTRUCTION AND SITE STABILIZATION, COMPOST MATERIAL SHALL BE REMOVED OR DISPERSED ON SITE, AS APPROVED BY THE ENGINEER.

SILT SOCK DETAIL  
NOT TO SCALE

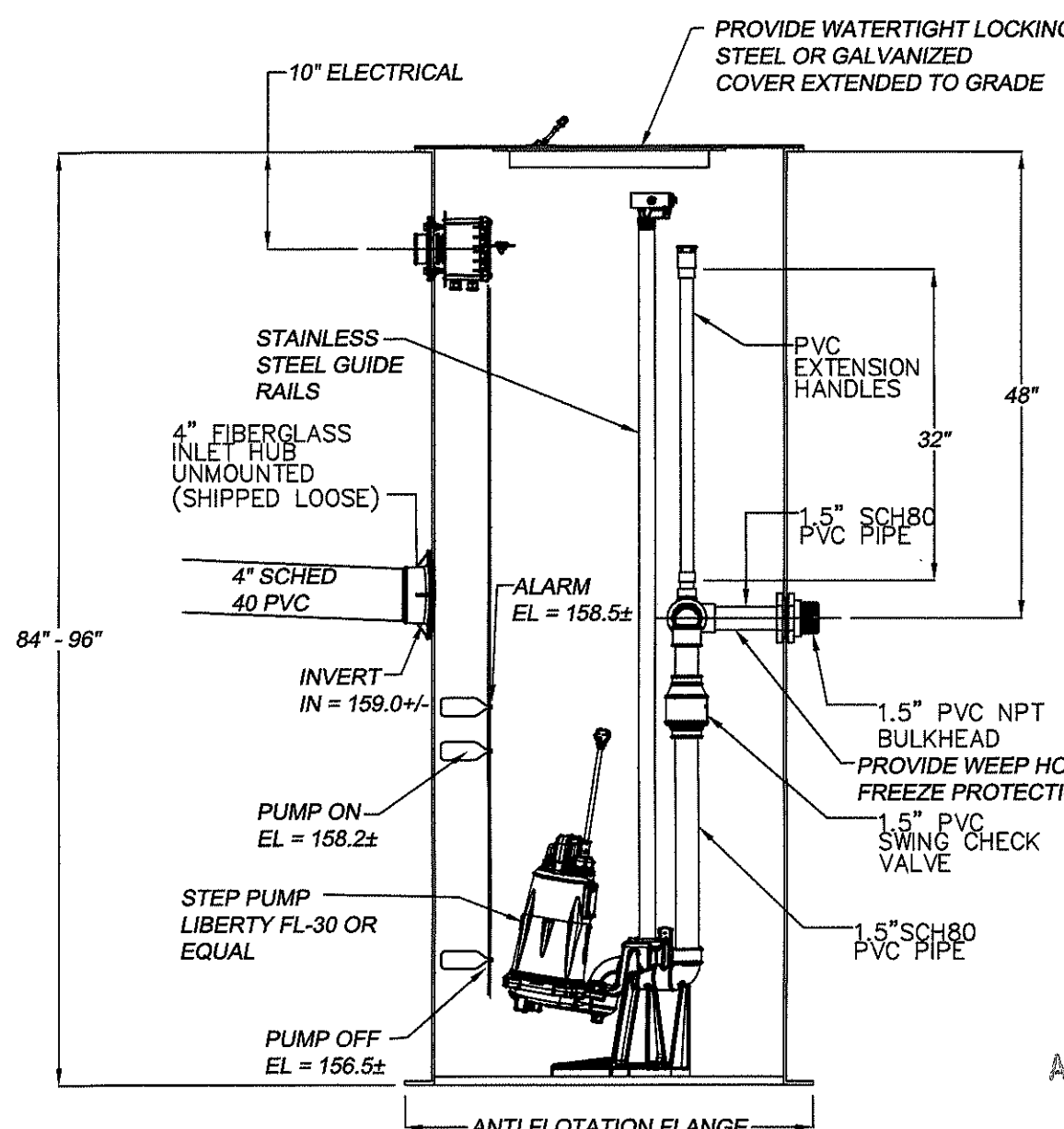
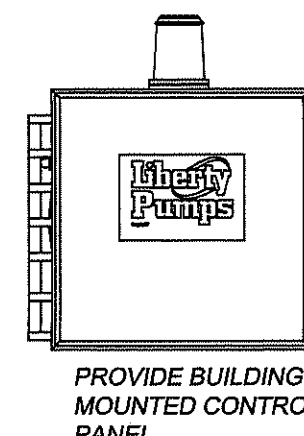
## PUMP STATION SPECIFICATIONS

1. PUMP STATION SHALL BE A PREASSEMBLED SIMPLEX PACKAGE PUMP STATION CAPABLE OF MEETING THE FOLLOWING CRITERIA:  
DESIGN FLOW: 768 GALLONS PER EVENT (EVENT LASTS 6 HOURS)  
STATIC HEAD: 4'  
FORCE MAIN LENGTH: 40±
2. PUMP SHALL BE SEPTIC TANK EFFLUENT PUMP (STEP) WITH SOLIDS HANDLING CAPABILITY OF 3/4".
3. DISCHARGE AND FORCE MAIN SHALL BE 1.5" IN DIAMETER.
4. ALL EXPOSED HARDWARE SHALL BE STAINLESS STEEL.
5. SUPPLY 1.25" STAINLESS STEEL GUIDE RAIL ASSEMBLY, WITH STAINLESS STEEL LIFTING CHAIN FOR PUMP.
6. SUPPLY A NEMA 4X BUILDING MOUNTED CONTROL PANEL, WITH HOA SWITCH, CONNECTIONS FOR ON SITE GENERATOR AND VISUAL AND AUDIO ALARM, AUXILIARY CONTACTS, RUNNING TIME METERS, ANTI CONDENSATION HEATER, LOCKABLE LATCH, ALARM TEST AND RESET BUTTONS, LIBERTY AE-SERIES OR EQUAL.
7. FLOATS (NON-MERCURY) TO CONTROL PUMP ON/OFF, AND ALARM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
8. ALL MATERIALS, HARDWARE, AND EQUIPMENT SHALL MEET ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
9. FIBERGLASS PUMP STATIONS SHALL BE SUPPLIED WITH ANTI FLOTATION FLANGE WITH FLOTATION CALCULATIONS SHOWING AMOUNT OF CONCRETE REQUIRED AND SHALL COMPLY WITH ALL MARKING REQUIREMENTS OF V.A.1 b OF THE CT HEALTH CODE TECHNICAL STANDARDS.
10. THE CONTRACTOR SHALL SUPPLY SHOP DRAWINGS WHICH INDICATE THE FLOAT ELEVATION SETTINGS AND THE PUMP RUN TIME AND CYCLES PER DAY FOR THE GIVEN SETTINGS.
11. CONTRACTOR SHALL SUPPLY AND INSTALL PUMP, PIPING, CHAMBER, WIRING, CONTROLS, VALVES AND MISCELLANEOUS ITEMS NECESSARY TO RESULT IN A FULLY FUNCTIONAL PUMP STATION.
12. PROVIDE WATERTIGHT STEEL GALVANIZED LOCKABLE HATCH COVER EXTENDED TO GRADE.
13. PROVIDE UP TO 4 HOURS OF START UP SERVICES.
14. ADDRESS ODOR CONTROL WITH GAS TIGHT COVER OR VENT WITH CHARCOAL FILTER.
15. MANUFACTURER SHALL PROVIDE 12 MONTHS WARRANTY COMMENCING ON THE DAY OF START-UP.
16. FORCE MAIN SHALL BE 1.5" HDPE SDR 17, 100 PSI. ALTERNATE PIPES SHALL BE ANALYZED AS TO FLOW AND HEAD LOSS.



- DESIGN NOTES
- 1) JOINTS TO BE SEALED WITH BUTYL RUBBER SEALANT
  - 2) INLETS AND OUTLETS TO HAVE STATE-APPROVED SEALS
  - 3) USE 8" HEAVY DUTY TOP IF SPECIFIED
  - 4) MUST MEET ASTM C 1227-97A
  - 5) CONCRETE STRENGTH SHALL BE 5000 PSI MIN. 28 DAYS

1500 GALLON  
TWO-COMPARTMENT SEPTIC TANK  
N.T.S.



FIBERGLASS PUMP STATION  
N.T.S.



LOCATION MAP  
1" = 2000'

## SEPTIC SYSTEM DESIGN CRITERIA

PERC RATE: 1.0 MINS/INCH  
ORIGINAL (2018) DESIGN FLOW: 4950 GPD  
EXISTING NUMBER OF SEATS IN RESTAURANT = 185  
ACTUAL WATER USAGE AS PER WATER COMPANY RECORDS = 4.82 GPD/SEAT  
PROPOSED NUMBER OF SEATS IN EVENT BARN: 192  
PROPOSED TOTAL SITE DESIGN FLOW, INCLUDING 1.5 SAFETY FACTOR, = 1.5 (185 + 192) (4.82) = 2726 GPD, WHICH IS LESS THAN THE ORIGINAL DESIGN FLOW.  
DESIGN FLOW FOR EVENT BARN ONLY = 1.5(192)(4.82) = 1386 GPD  
SEPTIC TANK REQUIRED FOR EVENT BARN: 1500 GALLON  
THE EXISTING LEACHING FIELD CONSISTING OF 688 LF OF 4"x4' CONC. GALLERIES @ 9.2 SF/LF = 6330 SF (WHICH WAS BASED UPON A DESIGN FLOW OF 4950 GPD) EXCEEDS THE SIZE THAT WOULD BE REQUIRED FOR 2726 GPD.

## SPECIFICATIONS

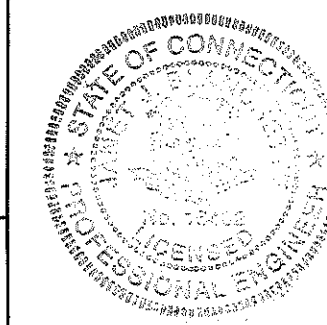
SEPTIC SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH THE "CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS".  
SEPTIC TANK: JB CONCRETE OR JOLLEY PRECAST, INC. OR EQUAL TWO COMPARTMENT PRECAST CONC. TANK WITH OUTLET FILTERS. INSTALL RISERS WITH CONCRETE COVERS OVER TANK CLEANOUTS AND EXTEND TO PROPOSED GRADES.  
CONCRETE TANKS SHALL HAVE WATERTIGHT RISERS AT LEAST 24" INSIDE DIAMETER EXTENDED TO GRADE.  
OUTLET FILTER: OUTLET FILTER SHALL BE DESIGNED FOR COMMERCIAL APPLICATIONS AND SHALL BE SIZED TO TREAT AT LEAST THE CAPACITY OF THE TANK. FOR SEPTIC TANK USE ZABEL A100 SERIES.  
HOUSE, EFFLUENT AND "TIGHT PIPE" FOR DRAIN OUTLETS: 4" PVC SCHEDULE 40, ASTM D 1785 OR ASTM D 2665 WITH RUBBER COMPRESSION GASKET ASTM D 3139 OR SOLVENT WELD COUPLINGS.  
POLYLOK PIPE SEAL (OR EQUAL) SHALL BE USED TO SEAL SEPTIC TANK AND D-BOX INLETS AND OUTLETS.

## PUMP STATION DESIGN CRITERIA

THE PUMP STATION IS DESIGNED TO HANDLE THE FLOW GENERATED BY EVENTS HELD AT THE EVENT BARN, SUCH AS WEDDINGS, GRADUATIONS, ETC.  
THE CAPACITY OF THE BARN IS 192 PEOPLE.  
THERE WILL BE NO DISHWASHING FACILITIES IN THE EVENT BARN "PLATING" KITCHEN.  
ALL FLOW WILL BE GENERATED BY BATHROOM AND SINK USE.  
192 X 2 FLUSHES PER EVENT X 1.5 GAL PER FLUSH = 576 GAL/EVENT (CONSERVATIVE AS SOME WILL USE URINALS AT 1.0 GAL/FLUSH)  
HAND WASHING 192 X 2 X .75 GAL PER WASH = 288 GAL/EVENT  
TOTAL FLOW = 576 + 288 = 864 GAL/EVENT  
ASSUME USAGE IS EVENLY SPACED THROUGHOUT EVENT  
864 GAL/6 HOURS = 144 GAL/HOUR = 2.4 GAL/MIN  
1.7" OPERATING RANGE IN 3' DIAMETER WET WELL = 90 GAL/CYCLE  
FOR PUMP RATE OF 40 GPM, 90/40 = 2.25 MINUTES PER CYCLE  
TOTAL FILL TIME = 90/2.4 = 37.5 MINUTES  
TOTAL CYCLE TIME = 37.5 + 2.25 = 39.75 MINUTES  
60/39.75 = 1.5 CYCLES PER HOUR  
PUMP WILL BE HARD WIRED TO ON SITE EMERGENCY GENERATOR, THEREFORE NO EMERGENCY STORAGE OR SECOND PUMP IS REQUIRED.

# SEPTIC SYSTEM CONSTRUCTION DETAILS AND NOTES PREPARED FOR ROUTE 193 LLC 49 THOMPSON ROAD (ROUTE 193) - THOMPSON, CT

**J&D CIVIL ENGINEERS, LLC**  
401 RAVENELLE ROAD  
N. GROSVENORDALE, CT 06255  
860-923-2920



|                 |                       |
|-----------------|-----------------------|
| DESIGNED: JJB   | REVISIONS:            |
| CHECKED: DRB    |                       |
| JOB NO: 21178   | DATE: AUGUST 26, 2021 |
| SCALE: AS NOTED | SHEET: 4 OF 4         |

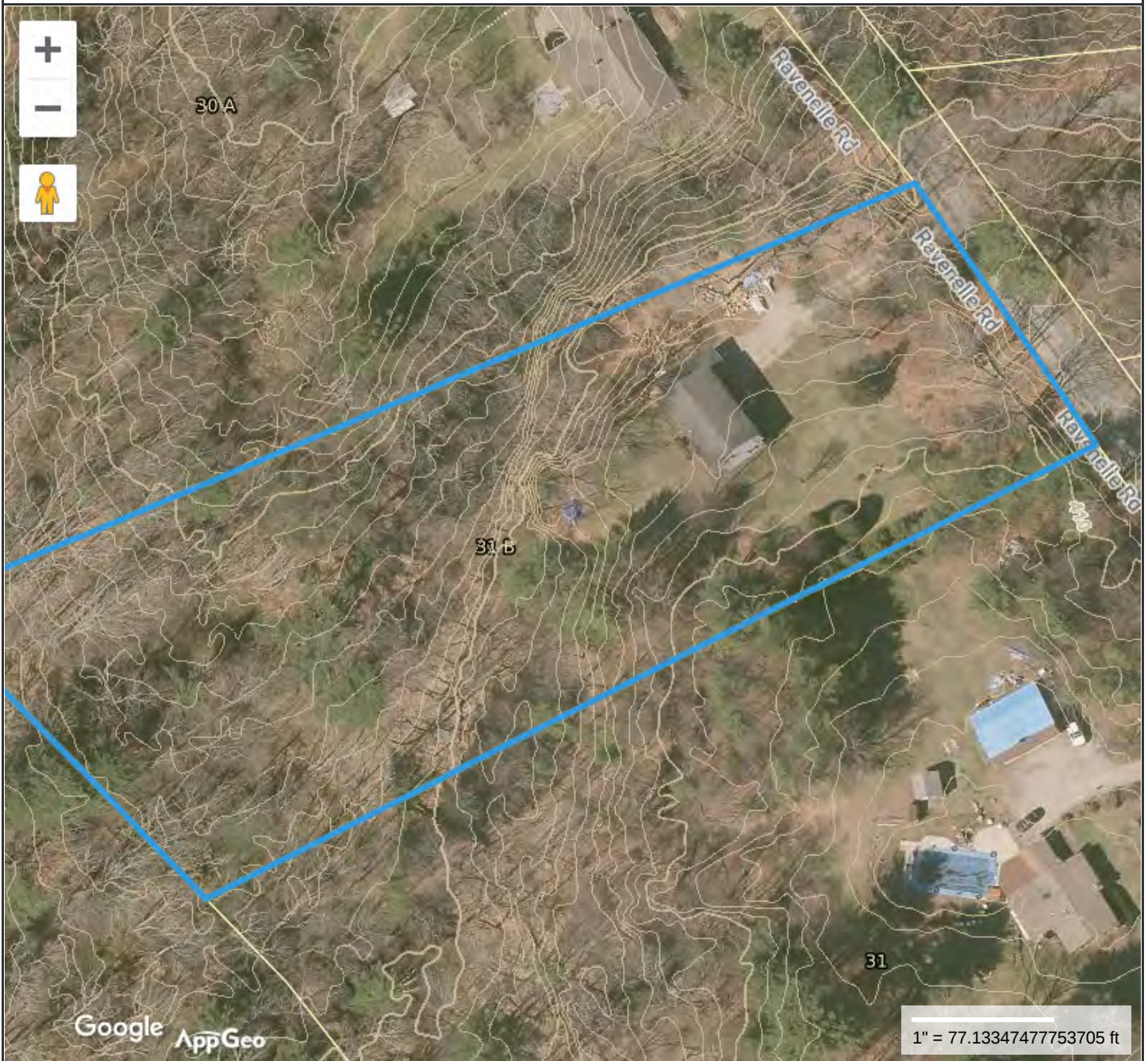
WAA21025 copy 1



## Agenda Item E.b) 4. New Applications

**DEC21026**, Amanda & Christopher White, 246 Ravenelle Rd. (Assessor's map 44, block 105, lot 31B), request ruling of use permitted as of right for chicken coop, pole barn and swimming pool, stamped received 8/30/21.

## 2-Foot Topo for 246 Ravenelle Rd

**Property Information**

**Property ID** 948  
**Location** 246 RAVENELLE RD  
**Owner** GREENE GARY C

**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

Town of Thompson, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated September 21, 2020  
Data updated March 20, 2019

Print map scale is approximate.  
Critical layout or measurement  
activities should not be done using  
this resource.





*Town of Thompson*  
INLAND WETLANDS COMMISSION  
815 RIVERSIDE DRIVE  
NORTH GROSVENORDALE, CT 06255

For Commission Use Only  
Application #: DEC 21026

Received

AUG 30 2021

Thompson Wetlands Office

**APPLICATION FORM - USE PERMITTED AS OF RIGHT OR NON-REGULATED USE**

Applies to those actions proposed as a use permitted as of right or non-regulated use listed in sections 4.1 and 4.2 of the Thompson Inland Wetland and Watercourse Regulations, except timber harvests (for timber harvests use Timber Harvest Form). Unless identified as "Optional" all information is mandatory.

**Part I Request for Use Permitted as of Right or Non-Regulation Use** (check one only):

1. Propose use or activity conforms to the following permitted uses as outlined in section 4.1 of the Thompson Inland Wetland and Watercourse Regulations (check as appropriate):
  - a. ☒ Grazing, farming, nurseries, gardening and harvesting of crops.
  - b. ☐ Farm pond three (3) acres or less essential to the farming operation.
  - c. ☐ Construction of a residential home for which a building permit has been issued prior to July 1, 1987, attach copy of valid building permit and site plan.
  - d. ☐ Boat anchorage or mooring.
  - e. ☐ Use incidental to the maintenance and enjoyment of property presently used for residential purposes that contains a dwelling. Such property is equal to or smaller than the largest minimum residential lot size as permitted in the Town of Thompson.
  - f. ☐ Construction and operation by a water company of a dam, reservoir or other facility necessary for the impounding, storage and withdrawal of water in connection with public water supplies.
  - g. ☐ Maintenance of drainage pipes on residential property that existed prior to July 1, 1974.
2. Proposed use or activity will not disturb the natural or indigenous character of the wetland or watercourse and conforms to one of the following non-regulated uses outlined in section 4.2 of the Thompson Inland Wetlands and Watercourses Regulations (check as appropriate):
  - a. ☐ Conservation of soil, vegetation, water, fish or wildlife.
  - b. ☐ Outdoor recreation
  - c. ☐ Dry Hydrant installation by authority of the municipal fire department
3. The proposed use or activity is not regulated by the Thompson Inland Wetlands and Watercourses Regulations because (check as appropriate):
  - a. ☐ The proposed activity or use is one which is the exclusive jurisdiction of State or Federal agency. Provide documentation (See Section 5 of these regulations)
  - b. ☐ The use or activity legally existed as of July 1, 1974, and does not involve new, additional or expanded use or activity. Provide documentation.
  - c. ☐ The proposed activity is not a regulated activity as defined by section 2 to the Thompson Inland Wetlands and Watercourses Regulations (delineation of wetlands by a qualified soil scientist may be required)



**Part II Contact Information**

1) Applicant Contact Information

a) Applicant Name: Amanda & Christopher White

b) Mailing Address: 246 Ravenelle Rd  
(include town state zip) North Grosvenordale, CT 06255

c) Daytime Phone #: 860-942-4506

d) Evening Phone #: 860-942-4506

e) Cell Phone # (optional): \_\_\_\_\_

f) Email Address (optional): amwhite7887@outlook.com

2) Applicant's Interest in Property (check one only)

☐ property owner ☐ lessee ☐ easement holder

3) Owner Contact Information (required if applicant is not property owner)

a) Name: \_\_\_\_\_

b) Mailing Address: \_\_\_\_\_  
(include town state zip) \_\_\_\_\_

c) Daytime Phone #: \_\_\_\_\_

d) Evening Phone #: \_\_\_\_\_

e) Cell Phone # (optional): \_\_\_\_\_

f) Email Address (optional): \_\_\_\_\_

**Part III Site Information**

1) Property Involved (following information obtained from tax assessor and town clerk's records):

| Street Address          | Assessor's Reference |            |            |
|-------------------------|----------------------|------------|------------|
|                         | Map                  | Block      | Lot        |
| <u>246 Ravenelle Rd</u> | <u>44</u>            | <u>105</u> | <u>31B</u> |

2) Attach an 8 1/2 inch by 11 inch location map for the property (printable map from Thompson MapGeo with property outlined is acceptable – see <https://thompsonct.mapgeo.io> )

3) Wetlands (as delineated by qualified soil scientist) / Watercourse Area Altered

a) Wetlands: \_\_\_\_\_ (in square feet)

b) Open Water Body: \_\_\_\_\_ (in square feet)

c) Stream: \_\_\_\_\_ (in linear feet)

4) Noteworthy Wetlands / Watercourses: Does the property contain a noteworthy wetland or watercourse as identified in the document "Town of Thompson Inland Wetland Inventory" prepared by the Northeastern Connecticut Regional Planning Agency dated 1980? (see [http://thompsonct.org/images/stories/Inland\\_Wetlands/Inlands-Wetlands-Watercourse-Map.pdf](http://thompsonct.org/images/stories/Inland_Wetlands/Inlands-Wetlands-Watercourse-Map.pdf) - check one) ☒ No ☐ Yes (If Yes, then upland review area = 200 ft.)

5) Upland Review Area altered: \_\_\_\_\_ (in square feet)

For 6 & 7 below see [http://thompsonct.org/images/stories/Planning\\_Development/Inland\\_Wetlands/Drainage-BasinsTopo-Grid-2017.pdf](http://thompsonct.org/images/stories/Planning_Development/Inland_Wetlands/Drainage-BasinsTopo-Grid-2017.pdf)

6) U.S.G.S. Topographic Quadrangle (check all involved)

☐ #13 Webster MA

☐ #14 Oxford MA

☒ #28 Putnam

☐ #29 Thompson

7) Drainage Basin #(s) wherein the proposed activity will take place (check all involved):

French River ☐ 3300 ☐ 3301

Quinebaug River ☒ 3700 ☐ 3708

Five Mile River ☐ 3400 ☐ 3401 ☐ 3402



**Part IV Description of Activity Proposed**

1. Detailed project description and purpose: Grazing of goats on wetlands  
and a few beehives for honey

2. Attach a diagram, drawing or plot plan of sufficient scale and detail to portray the proposed activity.

**Part V Application Permissions & Certifications****1) Owner's Permission<sup>1</sup>**

I, the undersigned, am the owner of the above reference property and hereby grant permission to the Thompson Inland Wetlands Commission and its duly authorized agents to enter upon this property at reasonable times both before and after a final decision on this application has been issued by the Thompson Inland Wetlands Commission for purposed of inspection and enforcement of the Inland Wetlands and Watercourse regulation of the town of Thompson. Further, I have had an opportunity to review the Inland Wetlands and Watercourses Regulations of the Town of Thompson and understand that these regulations regulate activities conducted on my property.

Amos White  
 (Signature of property owner)

8/30/2021  
 Date

For all persons excluding individuals print name and title of signatory above

**2) Applicant's Certification<sup>1</sup>**

I, the undersigned, certify that the information supplied in the completed application is accurate, to the best of my knowledge and belief and am aware of the penalties for obtaining the permit through deception, inaccurate or misleading information.

Amos White  
 (Signature of applicant)

8/30/2021  
 Date

For all persons excluding individuals print name and title of signatory above

**\*\*\* For Commission Use Only \*\*\***

Agency Response:

IWC Chair Signature:

Date:

<sup>1</sup> If owner is (1) a corporation, then signature is required to be by a principal executive officer of at least the level of vice president, (2) a limited liability company (LLC), then signature is required to be by a manager, if management of the LLC is vested in a manager(s) in accordance with the company's "Articles of Organization", or a member of the LLC if no authority is vested in a manager(s), (3) a partnership, then signature is required by a general partner, (4) the Town of Thompson, then signature is required by the First Selectman, (5) any other municipality, the signature is required by a ranking elected official, or by other representatives of such applicant authorized by law, and (6) a sole proprietor, then signature is required by the proprietor.





**Property Information**

Property ID 948  
 Location 246 RAVENELLE RD  
 Owner GREENE GARY C



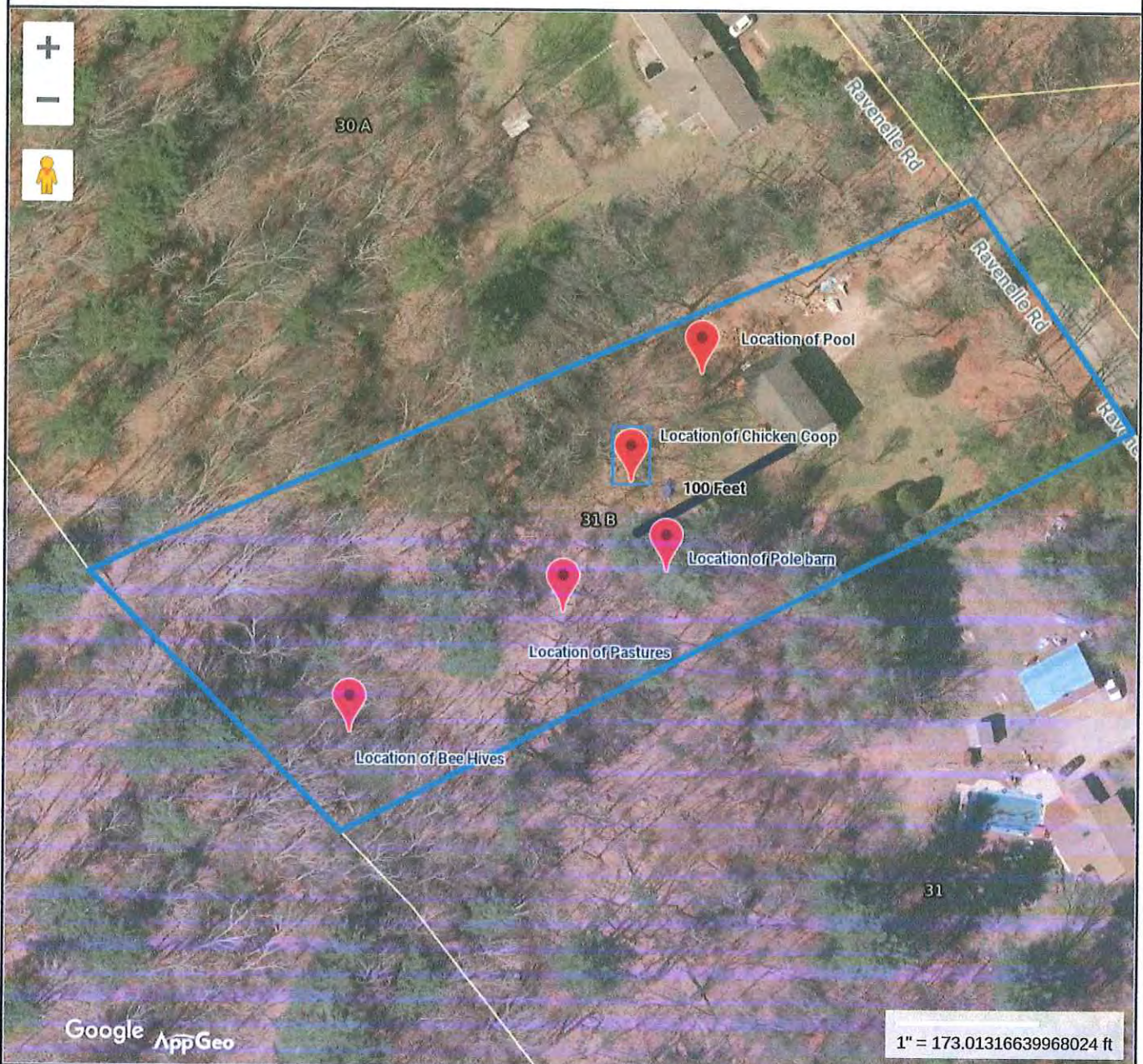
**MAP FOR REFERENCE ONLY  
 NOT A LEGAL DOCUMENT**

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Geometry updated September 21, 2020  
 Data updated March 20, 2019

Print map scale is approximate.  
 Critical layout or measurement activities should not be done using this resource.



**Property Information**

Property ID 948  
Location 246 RAVENELLE RD  
Owner GREENE GARY C

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this resource.

[Reply](#)[Forward](#)[Delete](#)**246 Ravenelle Road Application Amendment****Date:** Today, 12:32:58 PM CDT**From:** Amanda H**To:** wetlands@thompsonct.org Text (1 KB)

Good afternoon,

Please find below additional information regarding the proposed projects for 246 Ravenelle Road.

Location of Pool: 16'x32' above ground rectangle pool, only necessary grading to level pool will be done.

Chicken Coop: 12' x 20' carport turned into a coop, no grading done to site area.

Pole Barn: 12' x 20' carport turned into a pole barn, no grading done to site area.

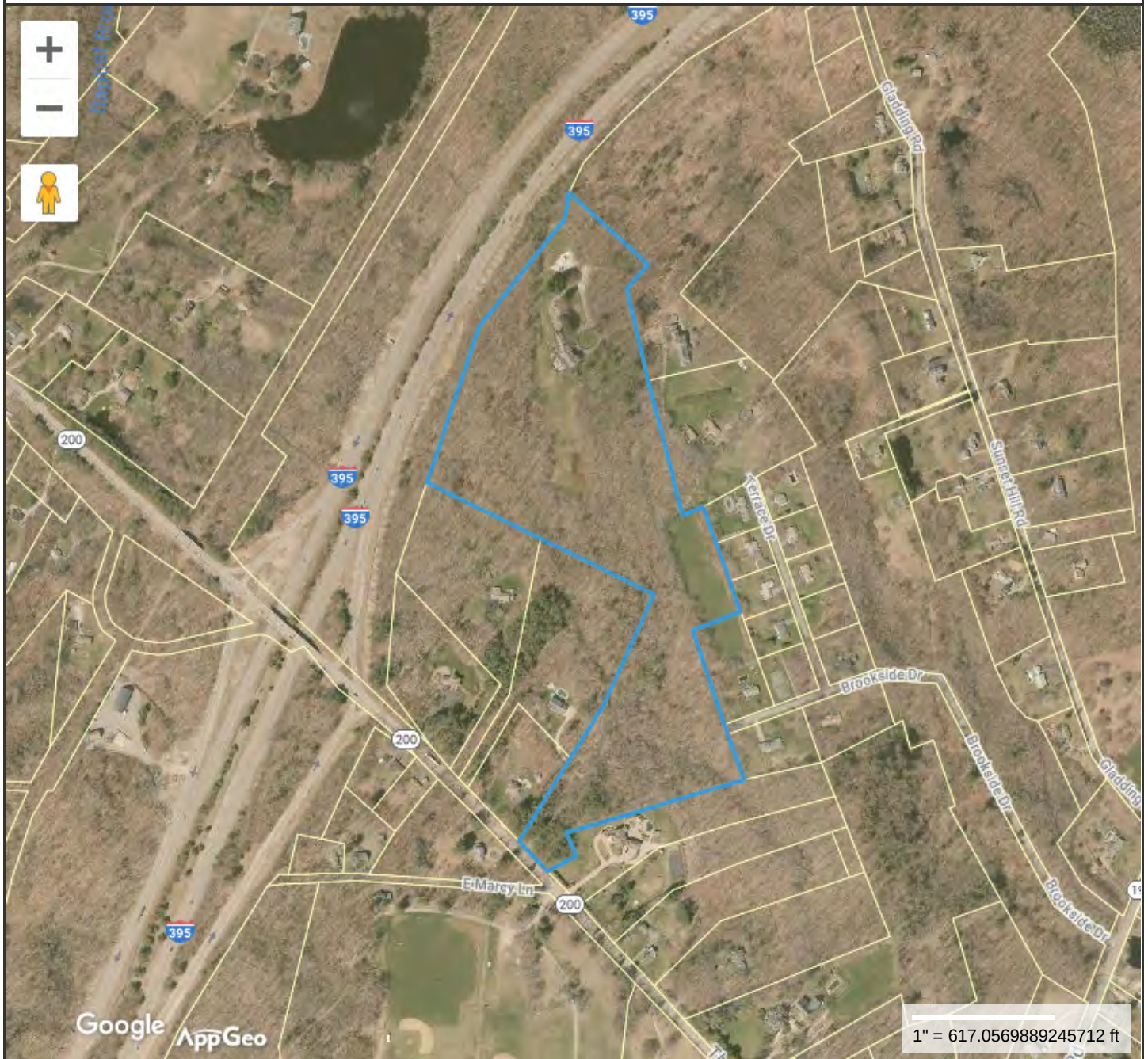
Paddock/Pasture area - fencing to be used is metal corral panels that will not be a permanent fixture and will allow to be moved.



## Agenda Item E.b) 5. New Applications

**SUB21027**, Inn Acquisition Associates, LLC, 286 Thompson Hill Rd (Assessor's map 102, block 40, lot 2), 2 lot subdivision for conceptual approval, stamped received 9/7/ 21.

## MapGeo Locus Map for SUB21027 2 lot subdivision

**Property Information**

**Property ID** 2605  
**Location** 286 THOMPSON HILL RD  
**Owner** INN ACQUISITION ASSOCIATES LLC

**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

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Geometry updated September 21, 2020  
Data updated March 20, 2019

Print map scale is approximate.  
Critical layout or measurement  
activities should not be done using  
this resource.



Copy 1

|                     |              |
|---------------------|--------------|
| for commission use: | rev 1/11     |
| application #       | SUB 21027    |
| date received       | Sept 7, 2021 |

## SUBDIVISION REVIEW APPLICATION

### Town of Thompson

INLAND WETLANDS COMMISSION  
815 RIVERSIDE DRIVE  
NORTH GROSVENORDALE, CT 06255

#### Instructions:

All applicants must complete this application for preliminary review. The Commission will notify the applicant of any additional information that may be required and will schedule a public hearing if necessary. In addition to the information supplied herein, the applicant may submit other supporting facts or documents which may assist the Commission in its evaluation of the proposal. In order to streamline the application review process, it is recommended that all subdivision review applications be submitted to the Thompson Conservation Commission for review prior to submission to the regulatory commissions. Any changes made to a subdivision plan that affects wetlands or watercourses as a result of Planning & Zoning approval must be resubmitted to the Wetlands Commission for review and approval, or the conceptual approval will be considered null and void and a new subdivision review application with all fees will need to be submitted.

Two (2) copies of the completed application and two (2) copies of all the additional attached documents (site plan, etc.) must be submitted to the Town Clerk. State Statute provides that you may submit an application up to three (3) business days prior to the next regularly scheduled meeting, which means by the close of business hours on the Wednesday before a regular meeting date. The applicant is advised to read Sections 7 and 8 of the Regulations for further information regarding application requirements and procedures. THE APPLICANT IS FURTHER ADVISED THAT A BUFFER/SETBACK OF 100 FEET FROM A WETLAND OR WATERCOURSE IS REQUIRED, AND A BUFFER/SETBACK OF 200 FEET FROM THE TEN (10) ESPECIALLY NOTEWORTHY WETLANDS AND WATERCOURSES IDENTIFIED IN THE TOWN OF THOMPSON INLAND WETLAND INVENTORY PREPARED BY NORTHEASTERN CONNECTICUT REGIONAL PLANNING AGENCY 1980 PAGES 9, 14 AND 15 IS REQUIRED. See Section 6 of the Regulations for further information regarding activities.

#### WE MUST HAVE THE FOLLOWING INFORMATION TO PROCESS YOUR APPLICATION:

- Directions to the property from the Thompson Town Hall
- Location of Utility Pole nearest your property
  - \*Pole Number \*Location of property in reference to Pole (side of street)
- Locations of proposed house, septic test pits, well and driveway must be staked and labeled on site (These requirements must be LEGIBLY PRINTED on your MAPS at the time of application, but NOT in the area of the map details. Use outside edge of map for this information. Thank you.)

#### FAILURE TO HAVE THE ABOVE INFORMATION WILL POSTPONE PROCESSING OF YOUR APPLICATION

#### FEE SCHEDULE:

- (Additional \$60.00 fee to State as per Public Act 09-03, Section 396)  
(Permit Fee Now Includes Mandatory Legal Advertisement Fee of \$20. This DOES NOT include Legal Notice fees for Public Hearings, which will be billed separately.)
- Conceptual Approval of Subdivision up to Two (2) Lots ..... \$50 + \$60
  - Conceptual Approval of Subdivision of Three (3) Lots or more..... \$250 Base Fee – PLUS  
\$250 per lot + \$60 State Fee
  - Complex Application Fee.....Applicants will be billed for professional review as needed,  
see regulations booklet Section 18.5

Please complete the following application information.

Received  
SEP 07 2021

Thompson Wetlands Office

Date 9/3/21

1) Name of Applicant INN ACQUISITION ASSOCIATES, LLC  
Home Address PO Box 428, Thompson, CT 06277  
Home Tele & Hrs 860-384-0238 Business Tele & Hrs 860-923-3886  
Business Address 286, Thompson Hill Rd, Thompson, CT 06277

2) Applicant's interest in the Property: ☒ Owner ☐ Other  
INLAND WETLANDS APPROVALS CAN BE GRANTED TO PROPERTY OWNER ONLY.  
No permit shall be assigned or transferred without written permission of the Commission.

3) Name of Property Owner (if not applicant) \_\_\_\_\_  
Home Address N/A  
Business Address \_\_\_\_\_  
Home Tele & Hrs \_\_\_\_\_ Business Tele & Hrs \_\_\_\_\_

4) Geographical Location of the Property (site plan to include utility pole number nearest property or other identifying landmarks)

Pole # and Location SNET 2070, ACROSS FROM DRIVEWAY  
Street or Road Location THOMPSON HILL RD, EAST SIDE  
Tax Assessor's Map # 103  
Block # 40  
Lot # that appears on site plan 2  
Deed Info: Volume # 334  
Page # 144

5) The property to be subdivided contains:

Soil Types FINE SANDY LOAMS (SEE SITE PLAN)  
Wetland Soils YES (Swamp ☒ Marsh ☐ Bog ☐ Vernal Pool ☐  
Watercourses NO (Lake or Pond ☐ Stream or River ☐ Intermittent Stream ☐  
Floodplain - Yes (No)

6) Purpose and Description of the Activity for which Approval is requested:

a. Give a complete description of the proposed activity APPLICANT IS  
PROPOSING TO CREATE 1 NEW BUILDING  
LOT FOR PERSONAL USE.

If the above activity involves deposition or removal of material, what is the quantity? N/A



b. Submit a Site Plan, drawn to scale, with the certification of the preparing Surveyor and/or Engineer including:

- ☒ 1-Locus map at approx. 1" = 1000'
- ☒ 2-Location of property, with boundaries defined and utility pole # near property and any other identifying landmarks.
- ☒ 3-Location of wetlands and /or watercourses. A wetland delineation in the field must be marked with numbered wetlands flags by a certified soil scientist and located on the map/site plan. Site plan shall bear the soil scientist's original signature.
- ☒ 4-Soil types on the property.
- ☒ 5-Flood Hazard area classification and delineation with base flood elevations.
- ☒ 6-(a)Location of the proposed activity (i.e. house, septic, well or other areas to be disturbed).  
(b)Location of perc tests and soil test holes.  
(c)Copy of NDDH approval to construct or repair subsurface sewage disposal system.
- N/A ☐ 7-Nature and volume of the material to be placed, removed, or transferred.
- ☒ 8-Topographical contours, proposed and existing.
- N/A ☐ 9-Location and supporting data for proposed drainage.
- ☒ 10-Date, scale (recommend 1"=40') and North arrow.
- ? ☐ 11-Subdivisions must be A-2 Surveys and have Certified Soil Scientist's original signature on face sheet.
- ☒ 12-Proposed limits of clearing/disturbance and location of stockpiles during construction.
- ☒ 13-Location of proposed Erosion and Sedimentation controls and other management practices which may be considered as a condition of issuing a future permit for the proposed regulated activity. The erosion and sedimentation control provisions and the storm water treatment design on the site plan must comply with the most current DEP edition of the *Connecticut Guidelines for Soil Erosion and Sedimentation Control* and the most current version of the *Connecticut Stormwater Quality Manual* and be so noted on the plans.
- ☒ 14 -Location of proposed Stormwater treatment design on the site plan must comply with the most current CT DEP edition of the *Connecticut Stormwater Quality Manual* and be so noted on the plans. It is strongly recommended that low impact development techniques, stormwater management techniques that are designed to approximate the pre-development site hydrology, be utilized in the stormwater system design wherever practical and possible.
- N/A ☐ 15-Location of proposed mitigation or wetland enhancement measures which may be considered as a condition of issuing a permit for the proposed regulated activity.
- ☒ 16-Timing and description of phases of activities, installation of sediment and stormwater control measures and temporary and permanent stabilization methods.

c. Explain whatever measures you propose to lessen or to compensate for the impacts to the wetlands or watercourse(s) THERE ARE NO IMPACTS TO WETLANDS  
ANTICIPATED

d. Have any alternatives been considered? NO If yes, explain why this proposal was chosen \_\_\_\_\_

7) Is any portion of this property located within 500' of the boundary of an adjoining municipality? NO  
If yes, Applicant is required to give written notice of the application by certified mail, return receipt requested, to

the adjacent municipal wetlands agency on the same day of filing this permit application with the Thompson Inland Wetlands Commission (TIWC). Documentation of such notice shall be provided to the TIWC.

- 8) Is any portion of this property located within the watershed of a water company as defined in section 16-1 of the Connecticut General Statutes? NO If yes, the Applicant is required to provide written notice of the application by certified mail, return receipt requested, to the water company on the same day of filing this permit application with the Thompson Inland Wetlands and Watercourses Commission. Documentation of such notice shall be provided to the Commission.
- 9) Does any portion of this property contain a Natural Diversity Data Base (NDDB) area of concern as defined on the most updated map of Federal and State Listed Species and Significant Natural Communities, for Thompson, Connecticut, prepared by the Connecticut Department of Environmental Protection? NO If yes, the Applicant must contact the CT DEP for information regarding the State or Federal Listed Species of Concern.

10) Names and Addresses of Abutters:

SEE ATTACHED

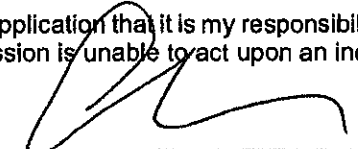
- 11) Estimated start date UNKNOWN
- Estimated date of completion (all disturbed areas are stabilized) UNKNOWN

- 12) The undersigned hereby consents to necessary and proper inspections of the above mentioned property by the Agents of the Town of Thompson Inland Wetlands Commission, at reasonable times, both before and after the approval in question has been granted, including site walks by Commission members and staff for the purpose of understanding existing site conditions, which may be necessary in order to render a decision on this application.

The undersigned swears that the information supplied in this completed application is accurate to the best of her/his knowledge

**ABSOLUTELY NO WORK IS TO BEGIN UNTIL ALL NECESSARY APPROVALS ARE OBTAINED.**

I understand by signing this application that it is my responsibility to provide all the information as requested. I understand that the commission is unable to act upon an incomplete application.

  
Signature of Applicant

Mar 9/3/21  
Date

\_\_\_\_\_  
Consent of Landowner if other than applicant

\_\_\_\_\_  
Date

**Please attach a written consent by the owner if applicant is not the property owner.**







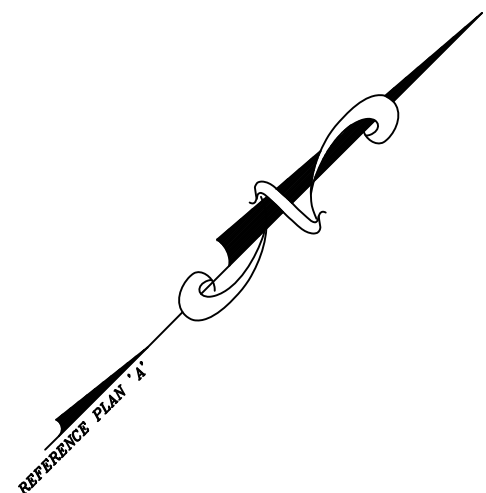
**ZONING INFORMATION:**

ZONE: THOMPSON COMMON VILLAGE DISTRICT  
MINIMUM LOT AREA: 40,000 S.F.  
MINIMUM FRONTAGE: 150'  
MINIMUM FRONT YARD: 40'  
MINIMUM SIDE YARD: 20'  
MINIMUM REAR YARD: 20'

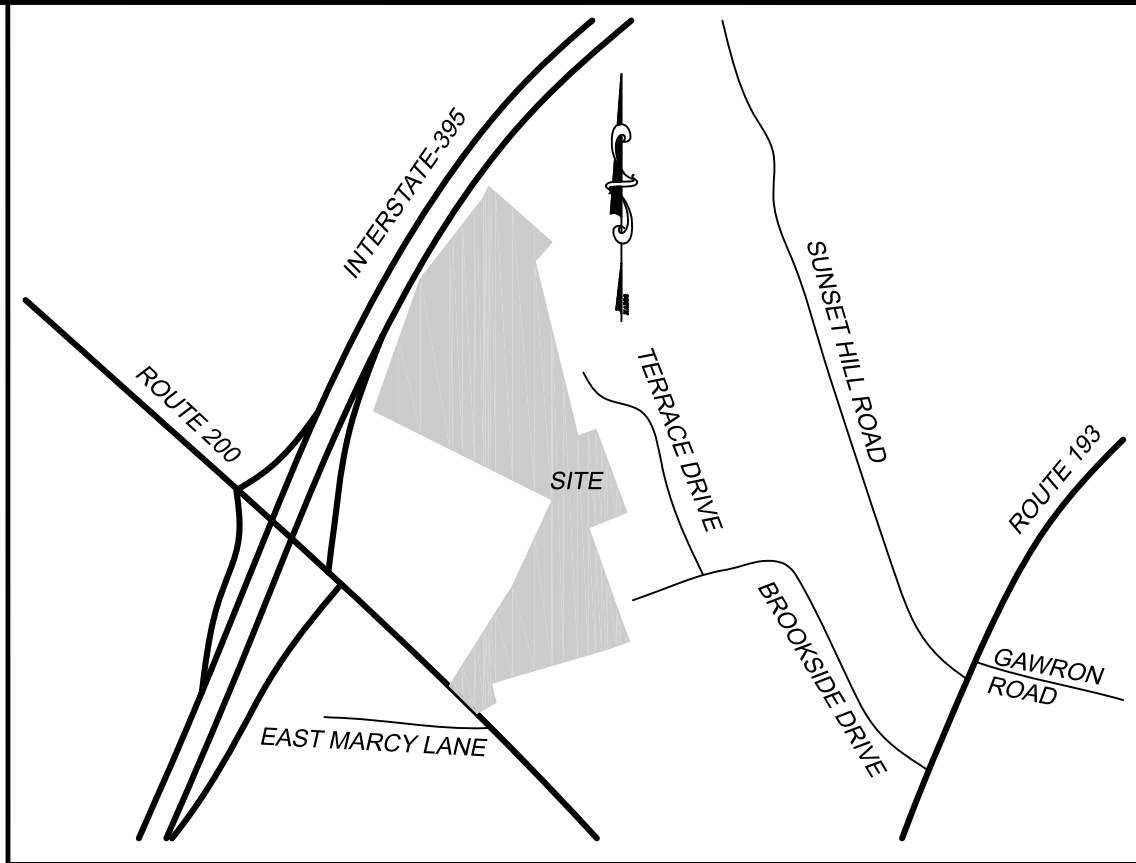
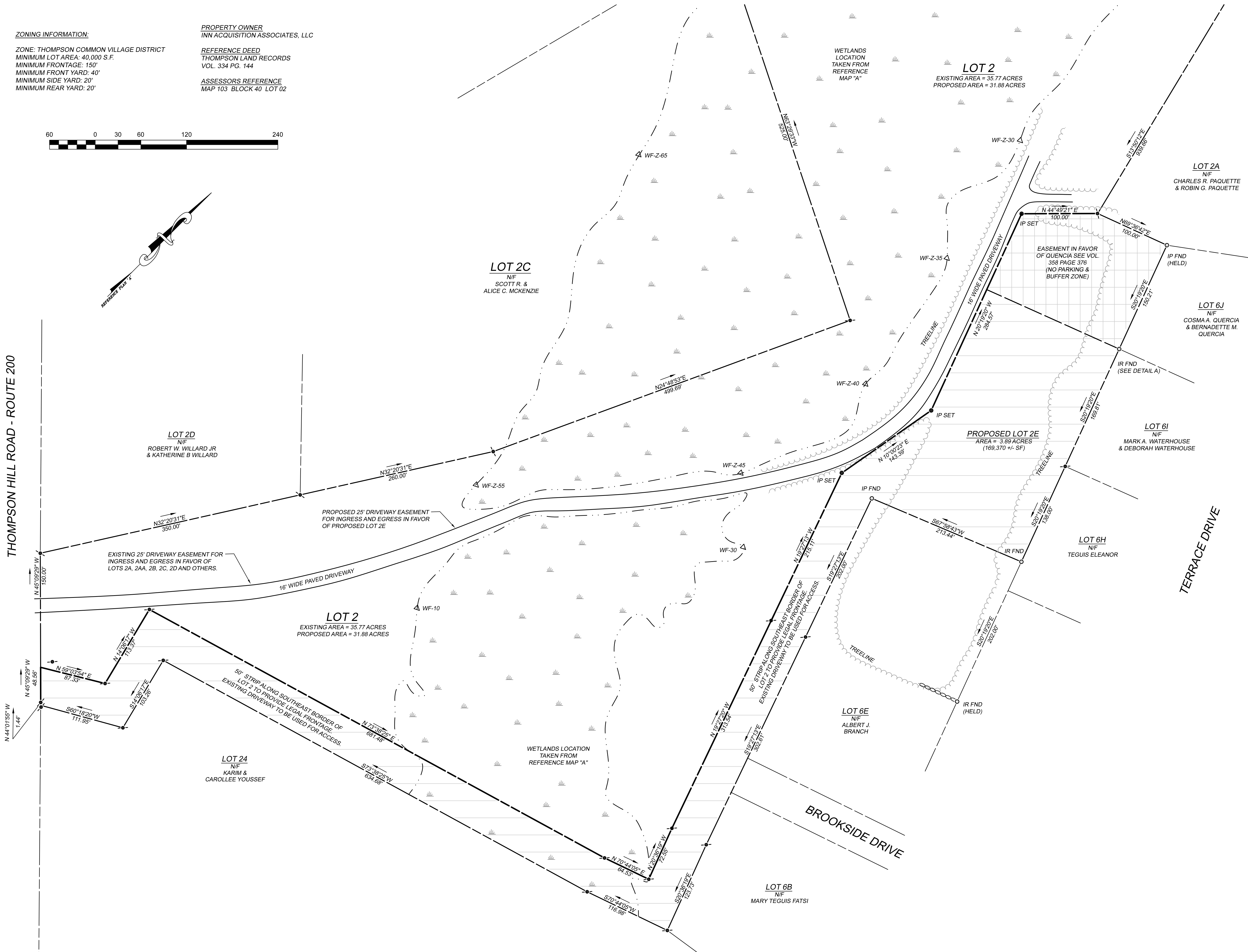
PROPERTY OWNER  
INN ACQUISITION ASSOCIATES, LLC

REFERENCE DEED  
THOMPSON LAND RECORDS  
VOL. 334 PG. 144

ASSESSORS REFERENCE  
MAP 103 BLOCK 40 LOT 02



THOMPSON HILL ROAD - ROUTE 200



**LOCATION MAP**  
1" = 1000'

**SURVEY NOTES**

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

SURVEY TYPE: RESUBDIVISION PLAN

BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY / ORIGINAL SURVEY

HORIZONTAL ACCURACY: A-2 FOR PROPOSED LOT, ALL ELSE CLASS D

PURPOSE: RESUBDIVISION TO CREATE ONE NEW BUILDING LOT

2. REFERENCE PLANS:  
(A) DIVISION PLAN, PREPARED FOR INN ACQUISITION ASSOCIATES, LLC, PREPARED BY MESSIER ASSOCIATES, LLC, PREPARED ON MARCH 1998. SCALE 1" = 100'. ON FILE WITH THE TOWN CLERK'S OFFICE AS MAP NUMBER 1331.

(B) SUNSET TERRACE, THOMPSON, CONNECTICUT, PREPARED BY STANLEY ALLEN, PREPARED ON APRIL 1962, SCALE 1" = 80'. ON FILE WITH THE TOWN CLERK'S OFFICE AS MAP NUMBER 384.

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

JOHN A. BARTOLOMEI DATE 17244 LICENSE #

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE  
© 2021 J&D CIVIL ENGINEERS, LLC

**LEGEND**

- IRON ROD TO BE SET
- ANGLE POINT
- EXISTING IRON ROD OR IRON PIPE
- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- ADJACENT PROPERTY LINE
- BUILDING SETBACK
- EDGE OF EASEMENT
- STONE WALL
- UTILITIES
- TREELINE
- EDGE OF WATER

**RESUBDIVISION PLAN**  
**PREPARED FOR**  
**INN ACQUISITION ASSOCIATES, LLC**  
**286 THOMPSON HILL RD - THOMPSON, CT**  
**MAP 103 BLOCK 40 LOT 02**

**J&D CIVIL ENGINEERS, LLC**  
401 RAVENELLE ROAD  
N. GROSVENORDALE, CT 06255  
860-923-2920

DESIGNED: APS  
CHECKED: JAB

REVISIONS:

JOB NO: 21216 DATE: SEPTEMBER 7, 2021  
SCALE: 1" = 60' SHEET: 2 OF 3

TOWN OF THOMPSON  
RECEIVED FOR RECORDING

APPROVED  
PLANNING AND ZONING COMMISSION

APPROVED  
INLAND WETLANDS COMMISSION

TOWN CLERK DATE TIME MAP #

CHAIRMAN DATE

CHAIRMAN DATE

PROPERTY IS NOT WITHIN A 100 YEAR FLOOD ZONE PER FIRM  
MAP 0901170020B DATED: NOVEMBER 1, 1984.



SURVEY NOTES:

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED IN AUGUST 2021, AND IS INTENDED TO BE USED FOR THE DESIGN OF AN ENGINEERED SEPTIC SYSTEM.

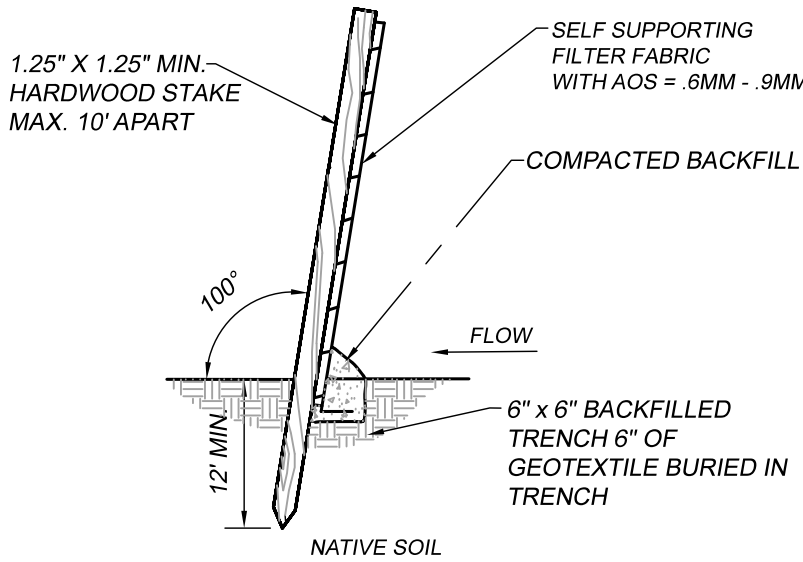
PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

2. TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.

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

12107  
DENNIS R. BLANCHETTE DATE LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE  
© 2021 J&D CIVIL ENGINEERS, LLC



SILT FENCE INSTALLATION  
NOT TO SCALE

EROSION AND SEDIMENT CONTROL NOTES:

1. THE PROPOSED ACTIVITY ON THE SITE WILL CONSIST OF THE CONSTRUCTION OF ONE SINGLE FAMILY HOUSE, WELL, SEPTIC SYSTEM AND DRIVEWAY.
2. EROSION CONTROL DEVICES MUST BE INSTALLED WHERE INDICATED ON THIS SHEET PRIOR TO THE START OF CONSTRUCTION.
3. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SEEDED OR STABILIZED WITH TEMPORARY MULCH AS SOON AS FINAL GRADES HAVE BEEN ATTAINED.
4. FINAL STABILIZATION: SPREAD TOPSOIL, SEED AND MULCH FOR FINAL STABILIZATION OF LAWN AREAS.
5. THE OWNER SHALL DESIGNATE THE ON SITE ENVIRONMENTAL AGENT RESPONSIBLE FOR REGULARLY CHECKING THE CONDITION OF THE EROSION CONTROL DEVICES AND REMOVING ACCUMULATED SEDIMENT. THE OWNER SHALL PROVIDE THE TOWN WITH THE NAME & PHONE NUMBER OF THE DESIGNATED AGENT.

SEPTIC SYSTEM DESIGN CRITERIA

PERC RATE: 10 MINS/INCH  
NUMBER OF BEDROOMS: 4  
SEPTIC TANK: 1500 GALLON  
LEACHING AREA REQUIRED: 788 SQUARE FEET  
LEACHING AREA PROVIDED: USE (2) ROWS OF 12" HIGH CONCRETE GALLERIES, 72' LONG AT 5.9 SF/LF FOR 850 SQUARE FEET ELA  
MOTTLING: 24", LEDGE: N/A, WATER: N/A, SLOPE: 6.4%  
MLSS (PRIMARY) = 52.5' (HF=30, PF=1.75, FF=1.0)  
LSS PROVIDED = 72"  
MAX DEPTH INTO EXISTING GRADE = 6"

TEST PIT RESULTS

NDDH FILE #89002703  
OBSERVED BY: MAUREEN MARCOUX  
DATE: AUGUST 18, 2021

PIT NO. 1

0" - 10" TOPSOIL  
10 - 28" YELLOW BROWN FINE SANDY LOAM W/ SILT  
28 - 72" MOTTLED COMPACT HARDPAN

MOTTLING: 28"  
RESTRICTIVE: N/A  
LEDGE: N/A  
WATER: N/A

PIT NO. 2

0 - 10" TOPSOIL  
10 - 24" YELLOW BROWN FINE SANDY LOAM W/ SILT  
24 - 84" MOTTLED COMPACT HARDPAN

MOTTLING: 24"  
RESTRICTIVE: N/A  
LEDGE: N/A  
WATER: N/A

PIT NO. 3

0 - 9" TOPSOIL  
9 - 26" YELLOW BROWN FINE SANDY LOAM W/ SILT  
26 - 75" MOTTLED COMPACT HARDPAN

MOTTLING: 26"  
RESTRICTIVE: N/A  
LEDGE: N/A  
WATER: N/A

PERCOLATION TEST RESULTS

OBSERVED BY: MAUREEN MARCOUX  
DATE: AUGUST 18, 2021

HOLE 1 - NEAR TP 3

TIME READING

12:12 2.5"  
12:22 4"  
12:37 6.5"  
12:52 7.5"  
1:07 9"  
1:17 10"

DEPTH: 14"  
RATE: 10 MINUTES PER INCH

LEGEND

- BUILDING SETBACK LINE
- PROPERTY LINE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- EDGE OF WETLANDS
- WETLAND BUFFER/UPLAND REVIEW AREA
- EROSION CONTROL DEVICES
- TEST PIT
- LEACHING TRENCH
- STONEWALL
- UTILITIES
- TREELINE

CONCEPTUAL SITE PLAN  
PREPARED FOR  
**INN ACQUISITION ASSOCIATES LLC**  
286 THOMPSON HILL ROAD - THOMPSON, CT  
MAP 103 BLOCK 40 LOT 2

**J&D** CIVIL ENGINEERS, LLC  
401 RAVENELLE ROAD  
N. GROSVENORDALE, CT 06255  
860-923-2920

DESIGNED: DDB  
CHECKED: DRB

REVISIONS:

JOB NO: 21216

SCALE: 1" = 20'

DATE: SEPTEMBER 7, 2021

SHEET: 3 OF 3

## Agenda Item E.b) 6. New Applications

**IWA21028**, Wojciech Sudyka, 1574 Riverside Dr. (Assessor's map 55, block 65, lot 14), fill 3,500 sq. ft. of wetlands and 100-foot upland review area for construction of commercial building and associated parking, stamped received 9/7/21, to be statutorily received 9/14/21.



Copy 1 Original

|                     |                     |
|---------------------|---------------------|
| for commission use: | rev 1/11            |
| application #       | <u>IWA21028</u>     |
| date received       | <u>Sept 7, 2021</u> |

PERMIT APPLICATION  
TO CONDUCT A REGULATED ACTIVITY

Town of Thompson

INLAND WETLANDS COMMISSION  
815 RIVERSIDE DRIVE  
NORTH GROSVENORDALE, CT 06255

Instructions:

All applicants must complete this application for preliminary review. The Commission will notify the applicant of any additional information that may be required and will schedule a public hearing if necessary. In addition to the information supplied herein, the applicant may submit other supporting facts or documents which may assist the Commission in its evaluation of the proposal. In order to streamline the application review process, it is recommended that all applications containing significant impact to the wetlands be submitted to the Thompson Conservation Commission for review prior to submission to the regulatory commissions.

Two (2) copies of the completed application and two (2) copies of all the additional attached documents (site plan, etc.) must be submitted to the Town Clerk. State Statute provides that you may submit an application up to three (3) business days prior to the next regularly scheduled meeting, which means by the close of business hours on the Wednesday before a regular meeting date. The applicant is advised to read Sections 7 and 8 of the Regulations for further information regarding application requirements and procedures. THE APPLICANT IS FURTHER ADVISED THAT A BUFFER/SETBACK OF 100 FEET FROM A WETLAND OR WATERCOURSE IS REQUIRED, AND A BUFFER/SETBACK OF 200 FEET FROM THE TEN (10) ESPECIALLY NOTEWORTHY WETLANDS AND WATERCOURSES IDENTIFIED IN THE TOWN OF THOMPSON INLAND WETLAND INVENTORY PREPARED BY NORTHEASTERN CONNECTICUT REGIONAL PLANNING AGENCY 1980 PAGES 9, 14 AND 15 IS REQUIRED. See Section 6 of the Regulations for further information regarding activities.

NO PERMIT SHALL BE TRANSFERRED WITHOUT PERMISSION OF THE AGENCY.

WE MUST HAVE THE FOLLOWING INFORMATION TO PROCESS YOUR APPLICATION:

- ✓ Directions to the property from the Thompson Town Hall - OVER SHEET
- ✓ Location of Utility Pole nearest your property
  - \*Pole Number
  - \*Location of property in reference to Pole (side of street)
- ✓ Locations of proposed house, septic test pits, well and driveway must be staked and labeled on site (These requirements must be LEGIBLY PRINTED on your MAPS at the time of application, but NOT in the area of the map details. Use outside edge of map for this information. Thank you.)

FAILURE TO HAVE THE ABOVE INFORMATION WILL POSTPONE PROCESSING OF YOUR APPLICATION

FEE SCHEDULE:

(Additional \$60.00 fee to State as per Public Act 09-03, Section 396)

- Individual Lot ..... \$50 + \$60  
(Permit Fee Now Includes Mandatory Legal Advertisement Fee of \$20. This DOES NOT include Legal Notice fees for Public Hearings, which will be billed separately.)
- Complex Application Fee.....Applicants will be billed for professional review as needed, see regulations booklet Section 18.5

For: Conceptual Approval of Subdivisions use "Subdivision Review Application"

Please complete the following application information.

Received

SEP 07 2021

Date 8/19/21

1) Name of Applicant WOTCIECH SUDYKA

Home Address AIRPORT RD, DUDLEY, MA 01571

Home Tele & Hrs \_\_\_\_\_ Business Tele & Hrs 508 983 4985

Business Address SAME

2) Applicant's interest in the Property: ☒ Owner ☐ Other

INLAND WETLANDS APPROVALS CAN BE GRANTED TO PROPERTY OWNER ONLY.

No permit shall be assigned or transferred without written permission of the Commission.

3) Name of Property Owner (if not applicant) \_\_\_\_\_

Home Address \_\_\_\_\_

Business Address \_\_\_\_\_

Home Tele & Hrs \_\_\_\_\_ Business Tele & Hrs \_\_\_\_\_

4) Geographical Location of the Property (site plan to include utility pole number nearest property or other identifying landmarks)

Pole # and Location SNET 340

Street or Road Location 1574 RIVERSIDE DR

Tax Assessor's Map # 55

Block # 65

Lot # that appears on site plan 14

Deed Info : Volume # 791

Page # 266

5) The property to be affected by the proposed activity contains:

Soil Types SEE SOIL REPORT

Wetland Soils ☒ (Swamp ☐ Marsh ☐ Bog ☐ Vernal Pool ☐)

Watercourses \_\_\_\_\_ (Lake or Pond ☐ Stream or River ☐ Intermittent Stream ☒)

Floodplain - Yes / No

6) Purpose and Description of the Activity for which Approval is requested:

- a. Give a complete description of the proposed activity CONSTRUCTION OF A  
17,200 SF COMMERCIAL BUILDING, PARKING  
GRADING, SEPTIC SYSTEM

If the above activity involves deposition or removal of material, what is the quantity? \_\_\_\_\_



b. Submit a Site Plan, drawn to scale, with the certification of the preparing Surveyor and/or Engineer including:

- ☒ 1-Locus map at approx. 1" = 1000' ON COVER SHEET
- ☒ 2-Location of property, with boundaries defined and utility pole # near property and any other identifying landmarks.
- ☒ 3-Location of wetlands and /or watercourses. A wetland delineation in the field must be marked with numbered wetlands flags by a certified soil scientist and located on the map/site plan. Site plan shall bear the soil scientist's original signature.

☒ 4-Soil types on the property.

☒ 5-Flood Hazard area classification and delineation with base flood elevations. WESTERN AREA NEAR PERRY POND IS ZONE 1

☒ 6-(a)Location of the proposed activity (i.e. house, septic, well or other areas to be disturbed). - NO ELEV. DETERMINED  
(b)Location of perc tests and soil test holes.

(c)Copy of NDDH approval to construct or repair subsurface sewage disposal system.

N/A ☐ 7-Nature and volume of the material to be placed, removed, or transferred.

☒ 8-Topographical contours, proposed and existing.

☒ 9-Location and supporting data for proposed drainage.

☒ 10-Date, scale (recommend 1"=40') and North arrow.

N/A ☐ 11-Subdivisions must be A-2 Surveys and have Certified Soil Scientist's original signature on face sheet.

☒ 12-Proposed limits of clearing/disturbance and location of stockpiles during construction.

☒ 13-Location of proposed Erosion and Sedimentation controls and other management practices which may be considered as a condition of issuing a permit for the proposed regulated activity. The erosion and sedimentation control provisions must comply with the most current DEP edition of the *Connecticut Guidelines for Soil Erosion and Sedimentation Control* and be so noted on the plans.

☒ 14 -Location of proposed Stormwater treatment design on the site plan must comply with the most current CT DEP edition of the *Connecticut Stormwater Quality Manual* and be so noted on the plans. It is strongly recommended that low impact development techniques, stormwater management techniques that are designed to approximate the pre-development site hydrology, be utilized in the stormwater system design wherever practical and possible.

N/A ☐ 15-Location of proposed mitigation or wetland enhancement measures which may be considered as a condition of issuing a permit for the proposed regulated activity.

☒ 16-Timing and description of phases of activities, installation of sediment and stormwater control measures and temporary and permanent stabilization methods.

c. Explain whatever measures you propose to lessen or to compensate for the impacts to the wetlands or watercourse(s) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

d. Have any alternatives been considered? YES

If yes, explain why this proposal was chosen THE PROPOSED DESIGN MINIMIZES WETLANDS DISTURBANCE + ALSO ALLOWS FOR A REASONABLE BUILDING SIZE

7) Is any portion of this property located within 500' of the boundary of an adjoining municipality? YES

If yes, Applicant is required to give written notice of the application by certified mail, return receipt requested, to the adjacent municipal wetlands agency on the same day of filing this permit application with the Thompson Inland Wetlands & Watercourses Commission. Documentation of notice shall be provided to the Commission.

8) Is any portion of this property located within the watershed of a water company as defined in section 16-1 of the Connecticut General Statutes? NO If yes, the Applicant is required to provide written notice of the application by certified mail, return receipt requested, to the water company on the same day of filing this permit application with the Thompson Inland Wetlands and Watercourses Commission. Documentation of such notice shall be provided to the Commission.

9) Does any portion of this property contain a Natural Diversity Data Base (NDDB) area of concern as defined on the most updated map of Federal and State Listed Species and Significant Natural Communities, for Thompson, Connecticut, prepared by the Connecticut Department of Environmental Protection? NO If yes, the Applicant must contact the CT DEP for information regarding the State or Federal Listed Species of Concern.

10) Names and Addresses of Abutters:

ATTACHED  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

11) Estimated start date ASAP

Estimated date of completion (all disturbed areas are stabilized) FALL 2022

12) The undersigned hereby consents to necessary and proper inspections of the above mentioned property by the Agents of the Town of Thompson Inland Wetlands Commission, at reasonable times, both before and after the approval in question has been granted, including site walks by Commission members and staff for the purpose of understanding existing site conditions, which may be necessary in order to render a decision on this application.

The undersigned swears that the information supplied in this completed application is accurate to the best of her/his knowledge and belief.

ABSOLUTELY NO WORK IS TO BEGIN UNTIL ALL NECESSARY APPROVALS ARE OBTAINED.

I understand by signing this application that it is my responsibility to provide all the information as requested.  
I understand that the commission is unable to act upon an incomplete application.

[Signature] 9/12/21  
Signature of Applicant Date

\_\_\_\_\_  
Consent of Landowner if other than applicant Date

Please attach a written consent by the owner if applicant is not the property owner.



7) Is any portion of this property located within 500' of the boundary of an adjoining municipality? YES  
If yes, Applicant is required to give written notice of the application by certified mail, return receipt requested, to the adjacent municipal wetlands agency on the same day of filing this permit application with the Thompson Inland Wetlands & Watercourses Commission. Documentation of notice shall be provided to the Commission.

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[Signature]  
Signature of Applicant

8/11/21  
Date

\_\_\_\_\_  
Consent of Landowner if other than applicant

\_\_\_\_\_  
Date

Please attach a written consent by the owner if applicant is not the property owner.

Original signature received

# SITE DEVELOPMENT PLANS FOR A PROPOSED COMMERCIAL GARAGE

1574 RIVERSIDE DRIVE (ROUTE 12)  
THOMPSON, CONNECTICUT

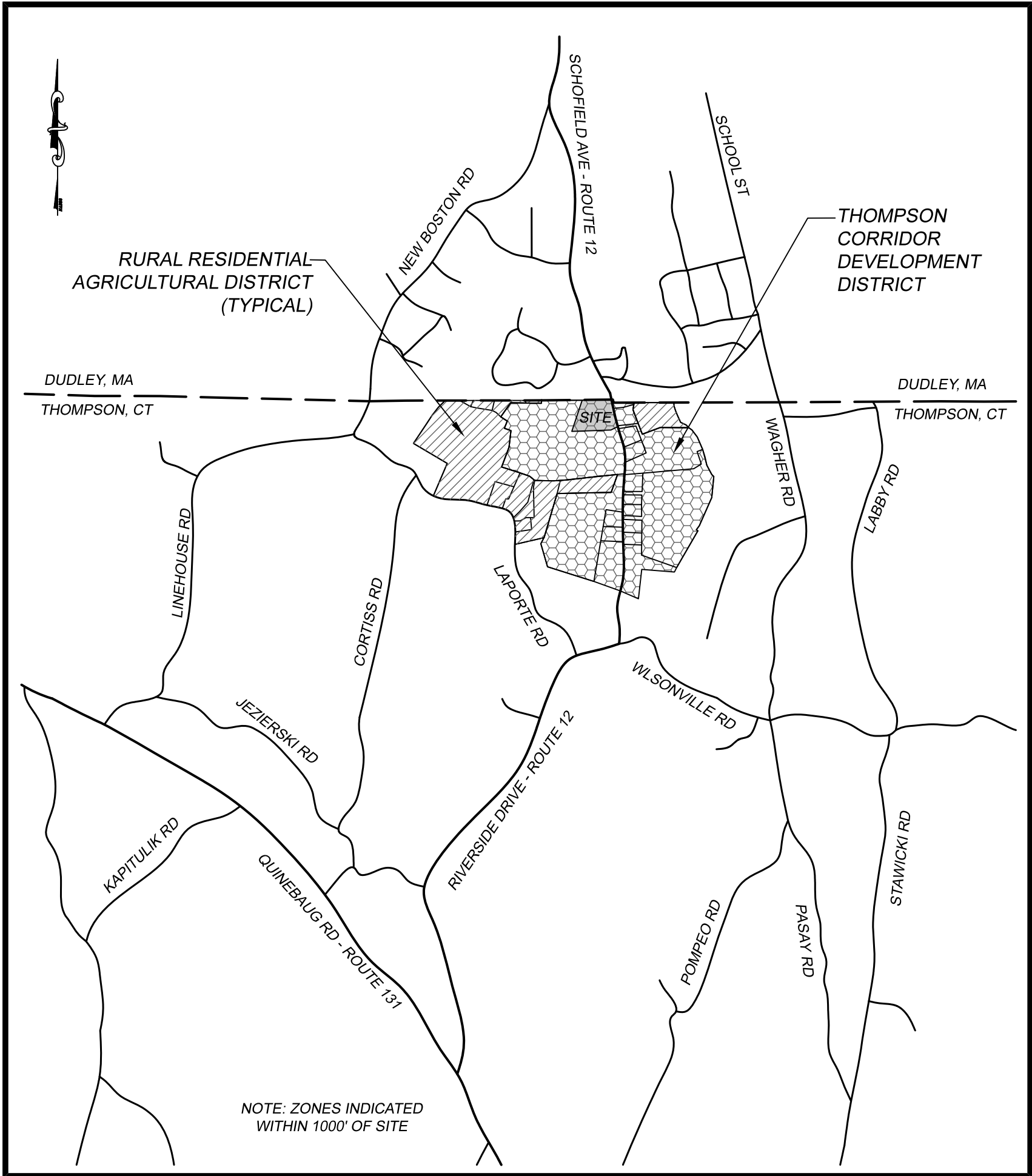
SEPTEMBER 3, 2021

PREPARED FOR:

JJS UNIVERSAL CONSTRUCTION CO.  
C/O WOJCIECH SUDYKA  
63 AIRPORT ROAD  
DUDLEY, MA 01571

INDEX OF DRAWINGS

- 1 COVER
- 2 LAYOUT AND UTILITIES
- 3 GRADING AND EROSION CONTROL
- 4 SEPTIC SYSTEM PLAN
- 5 GENERAL CONSTRUCTION DETAILS
- 6 DRAINAGE AND EROSION CONTROL DETAILS



LOCATION MAP  
1" = 2000'

ZONE: THOMPSON CORRIDOR DEVELOPMENT DISTRICT  
USE: LIGHT MANUFACTURING

| ITEM          | REQUIRED  | EXISTING   | PROPOSED   |
|---------------|-----------|------------|------------|
| FRONTAGE      | 100'      | 502.40'    | 502.40'    |
| LOT COVERAGE  | <75%      | 2%         | 8%         |
| FRONT SETBACK | 20'       | 63.35'     | 120'       |
| SIDE SETBACK  | 25'       | 0'         | 49'        |
| REAR SETBACK  | 25'       | 221.92'    | 350'       |
| LOT SIZE      | 40,000 SF | 324,522 SF | 324,522 SF |

DIRECTIONS TO SITE FROM TOWN HALL:  
HEAD NORTH ON ROUTE 12. SITE IS ON  
THE LEFT JUST BEFORE MA BORDER

**J & D CIVIL ENGINEERS, LLC**  
401 RAVENELLE ROAD  
THOMPSON, CT 06255  
JDCIVILENGINEERS.COM  
860-923-2920

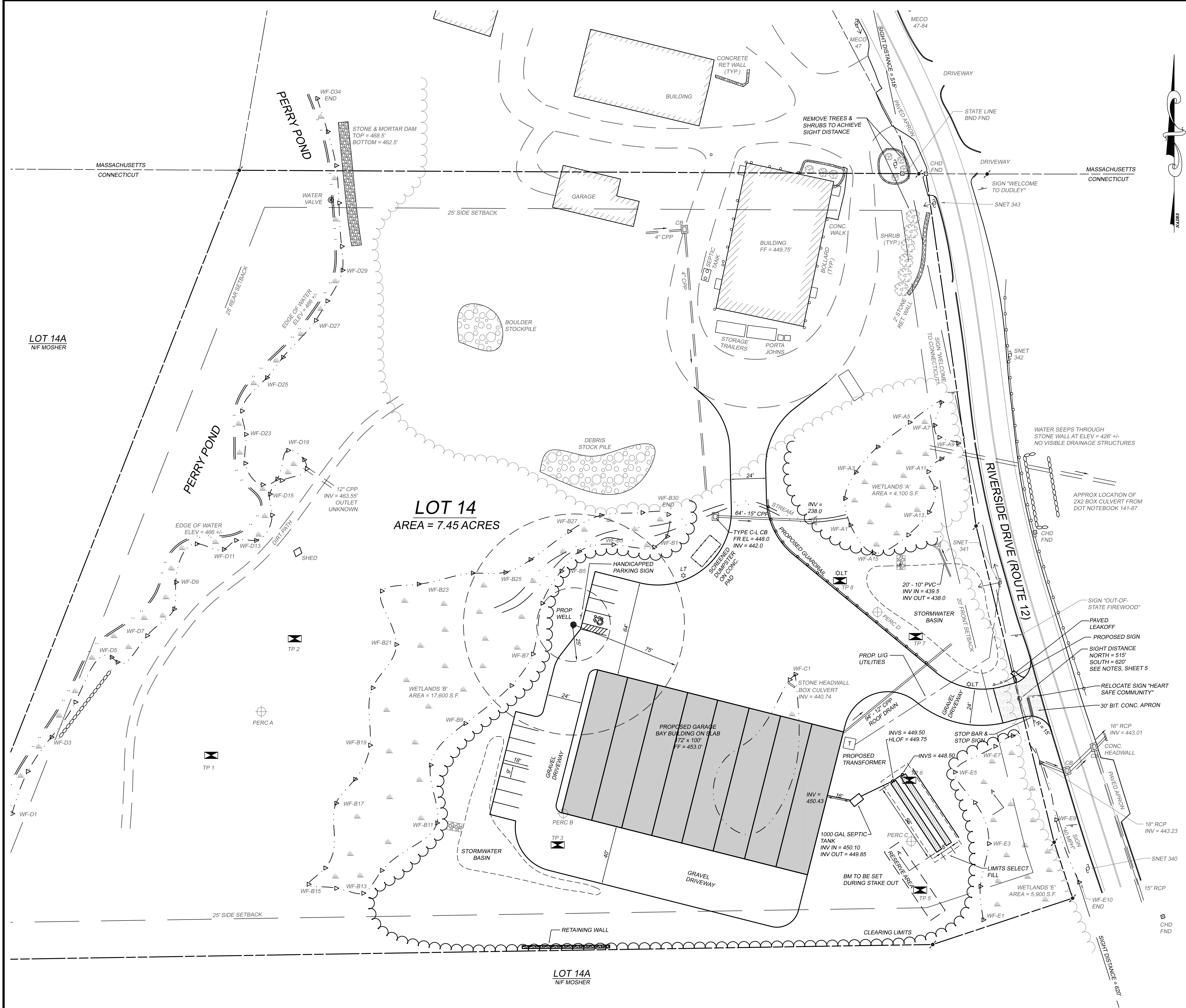
SPECIAL PERMIT APPROVAL BY THE THOMPSON  
PLANNING AND ZONING COMMISSION

PERMIT APPROVAL BY THE THOMPSON  
INLAND WETLAND COMMISSION

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

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





**SURVEY NOTES:**

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED ON JANUARY 18, 2021, AND IS INTENDED TO BE USED FOR THE DESIGN OF A SITE DEVELOPMENT PLAN.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

2. TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.

3. REFERENCE PLAN: PROPERTY BOUNDARY SURVEY, SHOWING LAND OF THE CRAVER POINT REALTY TRUST, PREPARED BY MICHAEL C. HEALEY, L.S. SCALE 1" = 40'. PREPARED ON NOVEMBER 17, 1997.

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

DENNIS R. BLANCHETTE DATE 12/07/2021 LICENSE NUMBER 12107

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE © 2021 J&D CIVIL ENGINEERS, LLC

**FLOOD NOTES**

PORTIONS OF THE PROPERTY ARE WITHIN 100 YEAR FLOOD ZONE PER FEMA FIRM MAP 090117-0020B, DATED NOVEMBER 1, 1984.

ZONE A ELEVATION = 468' +/-

**WETLAND NOTES**

ALL WETLAND SOILS SHOWN WERE DELINEATED IN NOVEMBER 2020 BY SCOTT P. RABIDEAU, PWS, OF NATURAL RESOURCES SERVICES INC.

PROPERTY OWNER: SUDYKA WOJIECH

REFERENCE DEED: THOMPSON LAND RECORDS VOL. 791 PG. 266

ASSESSORS REFERENCE: MAP 55 BLOCK 65 LOT 14

- LEGEND**
- BUILDING SETBACK LINE
  - PROPERTY LINE
  - EDGE OF WETLANDS
  - WETLAND BUFFER/UPLAND REVIEW AREA
  - TEST PIT
  - LEACHING TRENCH
  - STONEWALL
  - UTILITIES
  - TREELINE
  - GUARDRAIL
  - FENCE

**LAYOUT & UTILITIES PLAN**  
PREPARED FOR  
**JJS UNIVERSAL CONSTRUCTION CO.**  
1574 RIVERSIDE DRIVE - THOMPSON, CT  
MAP 55 BLOCK 65 LOT 14

**J&D CIVIL ENGINEERS, LLC**  
401 RAVENELLE ROAD  
N. GROSVENORDALE, CT 06255  
860-923-2920

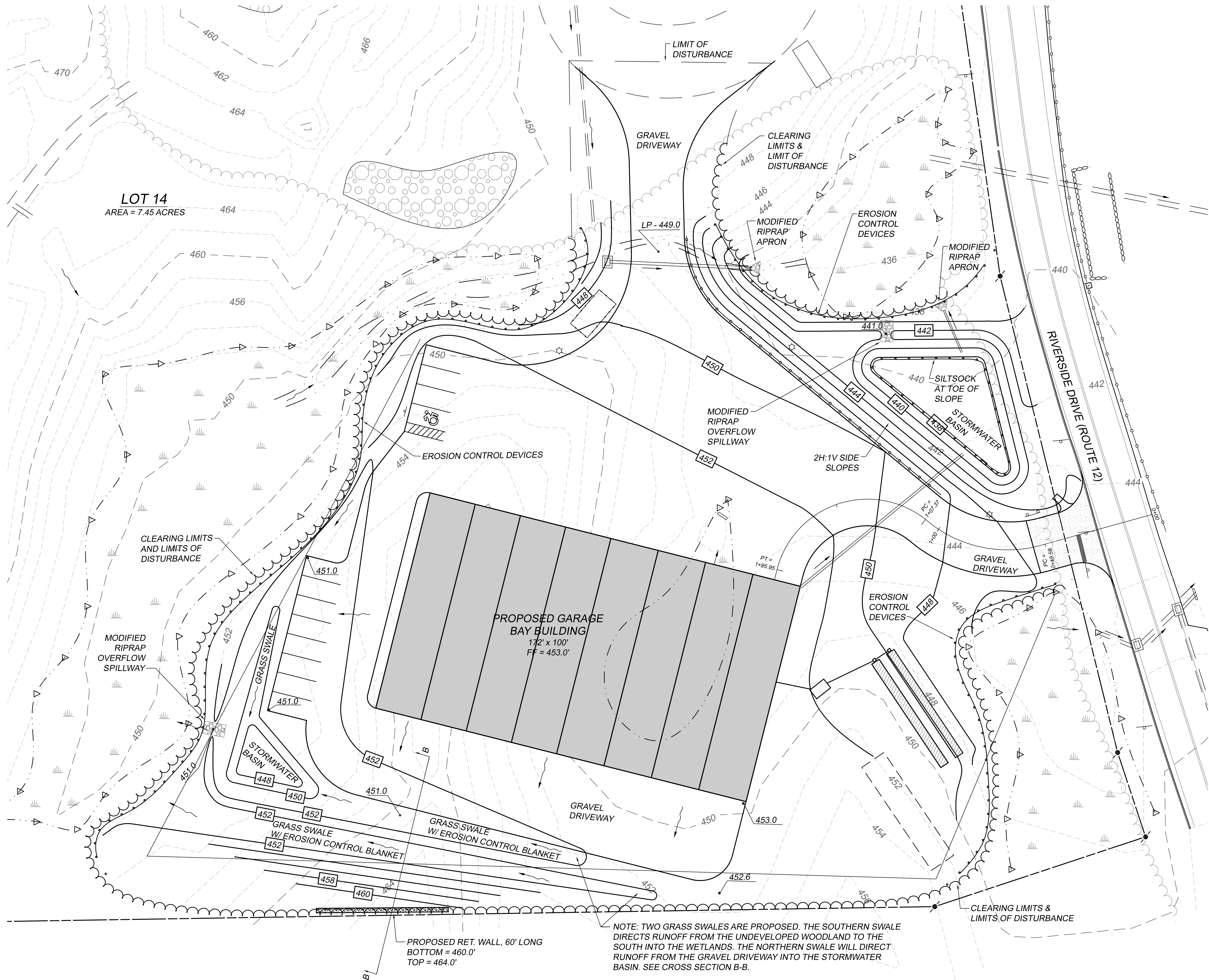
DESIGNED: DDB  
CHECKED: JJB

REVISIONS:

JOB NO: 20278  
SCALE: 1" = 30'

DATE: SEPTEMBER 3, 2021  
SHEET: 2 OF 6





**SURVEY NOTES:**

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED ON JANUARY 18, 2021, AND IS INTENDED TO BE USED FOR THE DESIGN OF A SITE DEVELOPMENT PLAN.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

2. TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.

3. REFERENCE PLAN: PROPERTY BOUNDARY SURVEY, SHOWING LAND OF THE CRAVER POINT REALTY TRUST, PREPARED BY MICHAEL C. HEALEY, L.S. SCALE 1" = 40'. PREPARED ON NOVEMBER 17, 1997.

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

DENNIS R. BLANCHETTE      DATE      12107  
LICENSE  
NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE  
© 2021 J&D CIVIL ENGINEERS, LLC

**LEGEND**

|  |                                   |
|--|-----------------------------------|
|  | PROPERTY LINE                     |
|  | EXISTING CONTOUR LINE             |
|  | PROPOSED CONTOUR LINE             |
|  | EDGE OF WETLANDS                  |
|  | WETLAND BUFFER/UPLAND REVIEW AREA |
|  | EROSION CONTROL DEVICES           |
|  | TEST PIT                          |
|  | LEACHING TRENCH                   |
|  | STONEWALL                         |
|  | UTILITIES                         |
|  | TREELINE                          |
|  | GUARDRAIL                         |
|  | FENCE                             |

**GRADING & EROSION CONTROL PLAN**  
**PREPARED FOR**  
**JJS UNIVERSAL CONSTRUCTION CO.**  
**1574 RIVERSIDE DRIVE - THOMPSON, CT**  
MAP 55 BLOCK 65 LOT 14

**J&D CIVIL ENGINEERS, LLC**  
401 RAVENELLE ROAD  
N. GROSVENORDALE, CT 06255  
860-923-2920

|                                             |                   |
|---------------------------------------------|-------------------|
| <b>DESIGNED: DDB</b><br><b>CHECKED: JJB</b> | <b>REVISIONS:</b> |
|---------------------------------------------|-------------------|

|                                                |                                                        |
|------------------------------------------------|--------------------------------------------------------|
| <b>JOB NO: 20278</b><br><b>SCALE: 1" = 20'</b> | <b>DATE: SEPTEMBER 3, 2021</b><br><b>SHEET: 3 OF 6</b> |
|------------------------------------------------|--------------------------------------------------------|



TEST PIT RESULTS

OBSERVED BY: MELISSA SORILELLI  
DATE: APRIL 29, 2021

PIT NO. 3

0" - 7" = TOPSOIL  
7" - 34" = ORANGE BROWN FINE SAND  
34" - 70" = GRAY COMPACT LARGE  
BOULDERS, FINE SANDY LOAM / TRACE  
SILT.

MOTTLING: 26"  
WATER: 45"  
LEDGE: N/A  
ROOTS: 26"  
RESTRICTIVE: N/A

PIT NO. 4

0" - 2" = ORGANIC MATTER, FOREST  
LITTER  
2" - 24" = ORANGE BROWN FINE SANDY  
LOAM

MOTTLING: N/A  
WATER: N/A  
LEDGE: 24"  
ROOTS: N/A  
RESTRICTIVE: N/A

PIT NO. 5

0" - 6" = TOPSOIL  
6" - 31" = ORANGE BROWN FINE SANDY  
LOAM  
31" - 91" = LIGHT BROWN / GRAY  
COMPACT TILL

MOTTLING: N/A  
WATER: 80"  
LEDGE: N/A  
ROOTS: 31"  
RESTRICTIVE: 31"

PIT NO. 6

0" - 7" = TOPSOIL  
7" - 24" = ORANGE BROWN FINE SANDY  
LOAM  
24" - 79" = LIGHT BROWN / GRAY  
COMPACT TILL WITH LARGE ROCKS

MOTTLING: N/A  
WATER: 72"  
LEDGE: N/A  
ROOTS: N/A  
RESTRICTIVE: 27"

PIT NO. 7

0" - 11" = TOPSOIL  
11" - 18" = ORANGE BROWN FINE SANDY  
LOAM  
18" - 109" = LIGHT BROWN SAND

MOTTLING: N/A  
WATER: 89"  
LEDGE: N/A  
ROOTS: N/A  
RESTRICTIVE: N/A

PERC TEST RESULTS

OBSERVED BY: MELISSA SORILELLI  
DATE: MAY 06, 2021

HOLE 5 / 6

| TIME  | READING |
|-------|---------|
| 12:42 | 8.25"   |
| 12:52 | 11"     |
| 1:02  | 12.25"  |
| 1:12  | 13.5"   |
| 1:22  | 14.25"  |

DEPTH: 18"  
RATE: 8.42 MIN/IN

HOLE 3 / 4

| TIME  | READING |
|-------|---------|
| 12:50 | 10.5"   |
| 1:00  | 14"     |
| 1:10  | 16"     |
| 1:20  | 17.5"   |
| 1:30  | 18.5"   |

DEPTH: 24"  
RATE: 6.13 MIN/IN

HOLE 7 / 8

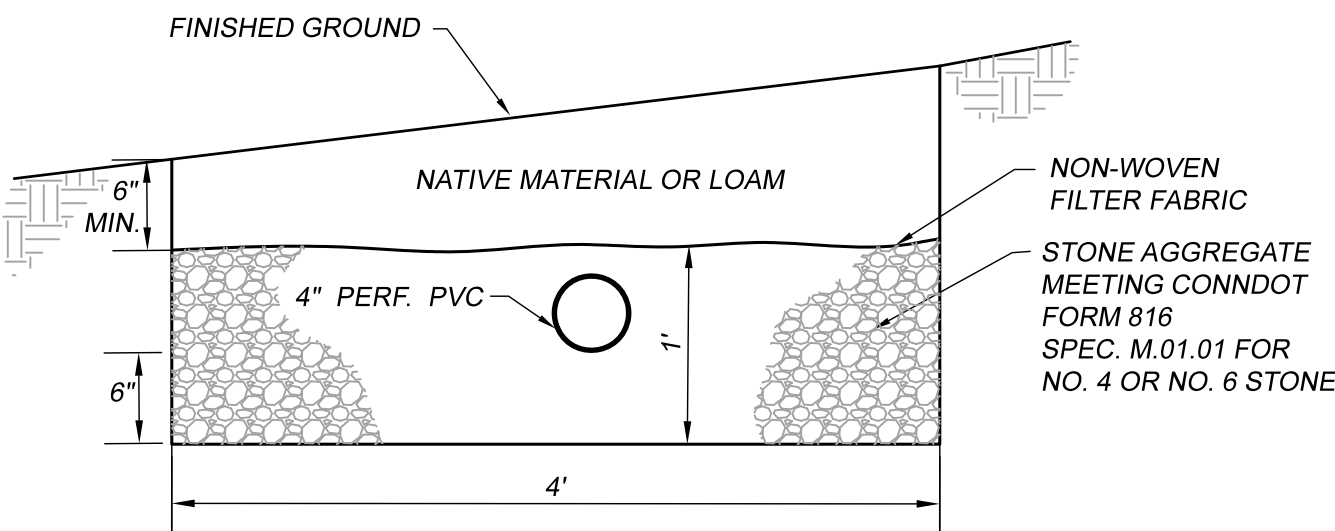
| TIME  | READING |
|-------|---------|
| 12:39 | 11.5"   |
| 12:44 | 17.25"  |
| 12:49 | EMPTY   |

DEPTH: 22"  
RATE: 1.7 MIN/IN

PIT NO. 8

0" - 15" = TOPSOIL  
15" - 42" = ORANGE BROWN FINE SANDY  
LOAM  
42" - 60" = GRAVELLY SANDY LOAM

MOTTLING: N/A  
WATER: 9"  
LEDGE: N/A  
ROOTS: N/A  
RESTRICTIVE: N/A



LEACHING TRENCH DETAIL  
N.T.S.

SURVEY NOTES:

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED ON JANUARY 18, 2021, AND IS INTENDED TO BE USED FOR THE DESIGN OF AN ENGINEERED SEPTIC SYSTEM.

HORIZONTAL ACCURACY: CLASS B  
TOPOGRAPHIC ACCURACY: CLASS T-2

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

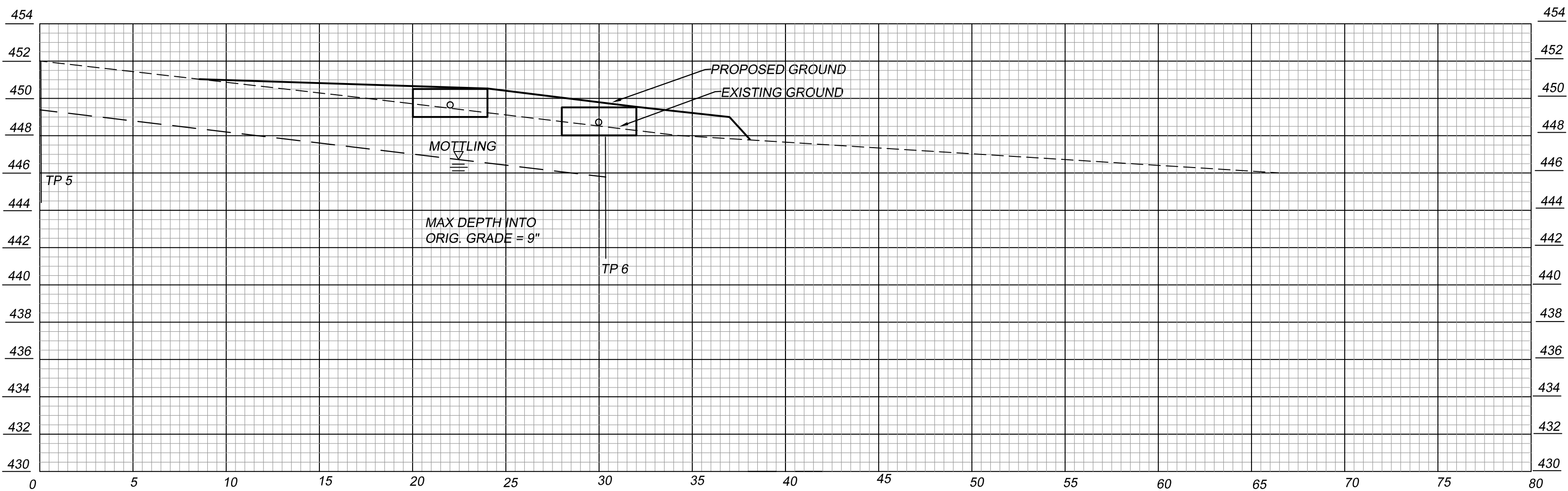
2. TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.

3. REFERENCE PLAN: PROPERTY BOUNDARY SURVEY, SHOWING LAND OF THE CRAVER POINT REALTY TRUST, PREPARED BY MICHAEL C. HEALEY, L.S. SCALE 1" = 40'. PREPARED ON NOVEMBER 17, 1997.

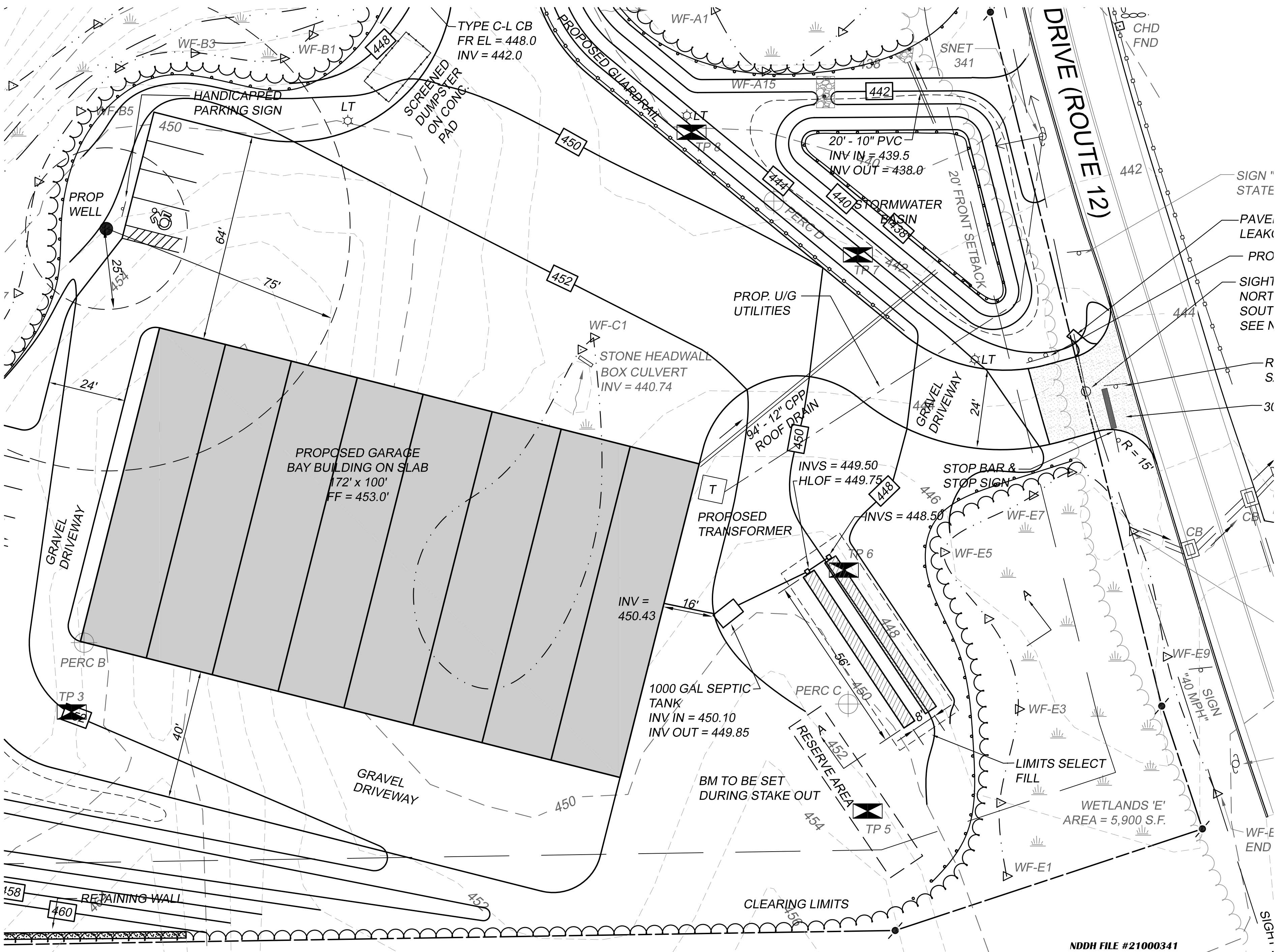
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE 12/07  
LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE  
© 2021 J&D CIVIL ENGINEERS, LLC



LEACHING FIELD CROSS SECTION A-A  
1" = 5'



SEPTIC SYSTEM DESIGN CRITERIA

PERC RATE: 8.24 MINS/INCH

DESIGN FLOW: 20 EMPLOYEES (FACTORY) @ 25 GPD = 500 GPD

APPLICATION RATE: 1.5 GPD /SF ELA

ELA REQUIRED: 500 GPD/1.5 GPD PER SF = 333 SF ELA

SEPTIC TANK: 1000 GALLON

LEACHING AREA PROVIDED: 112' OF 4' WIDE STONE TRENCHES @ 3 SF/LF = 336 SQUARE FEET, SPACED 8' O.C.

MOTTLING: 27" - 31", LEDGE: N/A, WATER: 72-80", SLOPE: 8-10%

MLSS (PRIMARY) = 43.4' (HF=26, PF=1, FF=500/300=1.67)

LSS PROVIDED = 56'

SPECIFICATIONS

SEPTIC SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH THE "CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS".

SEPTIC TANK: JOLLEY PRECAST, INC. OR EQUAL TWO-COMPARTMENT TANK WITH OUTLET FILTER. INSTALL RISERS OVER TANK CLEANOUTS IF COVER OVER TANK EXCEEDS 1'.

DISTRIBUTION BOXES: JOLLEY OR EQUAL 4 HOLE D-BOXES

HOUSE, EFFLUENT AND "TIGHT PIPE" FOR DRAIN OUTLETS: 4" PVC SCHEDULE 40, ASTM D 1785 OR ASTM D 2665 WITH RUBBER COMPRESSION GASKET ASTM D 3139 OR SOLVENT WELD COUPLINGS.

DISTRIBUTION: 4' WIDE STONE FILLED TRENCHES.

POLYLOK PIPE SEAL AS MANUFACTURED BY SUPERIOR SEPTIC TANKS (OR EQUAL) SHALL BE USED TO SEAL SEPTIC TANK AND D-BOX INLETS AND OUTLETS.

BOTTOM OF TRENCHES TO BE LEVEL.

TOPSOIL SHALL BE STRIPPED IN AREA OF LEACH FIELD AND THE SUBSOIL SCARIFIED PRIOR TO PLACEMENT OF SELECT SEPTIC FILL.

ALL FILL SHALL BE CLEAN BANK RUN GRAVEL, MEETING THE FOLLOWING REQUIREMENTS OF THE CT DEPT. OF PUBLIC HEALTH:  
MAX. PERCENT GRAVEL (PLUS NO. 4 SIEVE MATERIAL) - 45%  
GRADATION ON FILL LESS GRAVEL:

| SIEVE   | WET PERCENT PASSING | DRY PERCENT PASSING |
|---------|---------------------|---------------------|
| NO. 4   | 100                 | 100                 |
| NO. 10  | 70-100              | 70-100              |
| NO. 40  | 10-50*              | 10-75               |
| NO. 100 | 0-20                | 0-5                 |
| NO. 200 | 0-5                 | 0-2.5               |

\*PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%.

FILL MUST PERC AT A RATE EQUAL TO OR FASTER THAN THE UNDERLYING SOIL.

THIS DESIGN IS BASED ON TEST PIT INFORMATION RECORDED BY NDDH. J & D HAS MADE NO INDEPENDENT INVESTIGATION OF SOIL CONDITIONS. THE CONTRACTOR IS ADVISED TO PERFORM SUFFICIENT SITE INVESTIGATION TO DETERMINE CONSTRUCTABILITY OF THE DESIGN PRIOR TO BIDDING OR COMMENCING WORK.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE PROPOSED ACTIVITY ON THE SITE WILL CONSIST OF THE CONSTRUCTION OF A COMMERCIAL BUILDING, WELL, SEPTIC SYSTEM AND DRIVEWAY.
2. EROSION CONTROL DEVICES MUST BE INSTALLED WHERE INDICATED ON THIS SHEET PRIOR TO THE START OF CONSTRUCTION.
3. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SEEDED OR STABILIZED WITH TEMPORARY MULCH AS SOON AS FINAL GRADES HAVE BEEN ATTAINED.
4. THE OWNER OF RECORD SHALL DESIGNATE THE ON SITE ENVIRONMENTAL AGENT RESPONSIBLE FOR REGULARLY CHECKING THE CONDITION OF THE EROSION CONTROL DEVICES AND REMOVING ACCUMULATED SEDIMENT.

LEGEND

|  |                                   |
|--|-----------------------------------|
|  | BUILDING SETBACK LINE             |
|  | PROPERTY LINE                     |
|  | EXISTING CONTOUR LINE             |
|  | PROPOSED CONTOUR LINE             |
|  | EDGE OF WETLANDS                  |
|  | WETLAND BUFFER/UPLAND REVIEW AREA |
|  | EROSION CONTROL DEVICES           |
|  | TEST PIT                          |
|  | LEACHING TRENCH                   |
|  | UTILITIES                         |
|  | TREELINE                          |
|  | GUARDRAIL                         |
|  | FENCE                             |

SEPTIC SYSTEM PLAN  
PREPARED FOR  
**JJS UNIVERSAL CONSTRUCTION CO.**  
1574 RIVERSIDE DRIVE - THOMPSON, CT  
MAP 55 BLOCK 65 LOT 14

**J&D** CIVIL  
ENGINEERS, LLC  
401 RAVENELLE ROAD  
N. GROSVENORDALE, CT 06255  
860-923-2920

DESIGNED: JJB  
CHECKED: DRB

REVISIONS:

JOB NO: 20278  
SCALE: 1" = 20'

DATE: SEPTEMBER 3, 2021  
SHEET: 4 OF 6





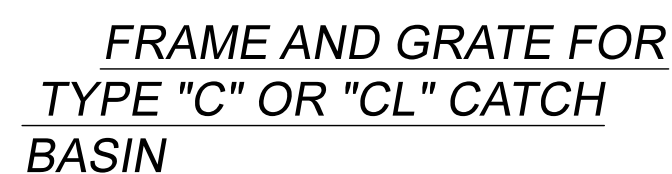




NOTES

1. SILT SOCK MANUFACTURER SHALL BE SILT SOXX OR ENGINEER APPROVED EQUAL
2. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS
3. SEDIMENT SILT SOCK TO BE FILLED WITH LEAF COMPOST AND/OR WOODY MULCH PER MANUFACTURER'S REQUIREMENTS.
4. FOLLOWING CONSTRUCTION AND SITE STABILIZATION, COMPOST MATERIAL SHALL BE REMOVED OR DISPERSED ON SITE, AS APPROVED BY THE ENGINEER.

SILT SOCK DETAIL  
NOT TO SCALE



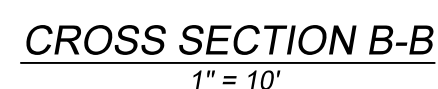
N.T.S.



N.T.S.



N.T.S.


$$1'' = 10'$$

## SOIL EROSION AND SEDIMENT CONTROL

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT AN INDUSTRIAL BUILDING. SITE WORK WILL INCLUDE CONSTRUCTION OF BUILDING, ACCESS DRIVE, PARKING AREAS, AND NECESSARY UTILITIES.

ATTENTION SHALL BE GIVEN TO THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES. NO ERODED SEDIMENTS SHALL BE PERMITTED TO FLOW OFF THE SITE. IF FIELD CONDITIONS WARRANT IT OR THE TOWN REQUESTS IT, ADDITIONAL E & S CONTROL MEASURES, BEYOND WHAT IS SHOWN ON THE PLAN, SHALL BE INSTALLED.

THE SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES WILL BE APPROXIMATELY AS FOLLOWS:

1. INSTALLATION OF EROSION CONTROL DEVICES
2. CLEARING & GRUBBING
3. ROUGH SITE GRADING
4. INSTALL TEMPORARY SEDIMENT TRAPS AS NEEDED TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE DOWNSTREAM WETLANDS OR DRAINAGE PIPE
5. BEGIN CONSTRUCTION AND INSTALLATION OF UTILITIES INCLUDING DRAINAGE PIPES AND C/S
6. PREPARATION OF ACCESS DRIVE AND PARKING LOT BASE
7. AFTER SITE IS STABILIZED, CONSTRUCT INFILTRATION BASIN, SWALE, FOREBAY AND STORMWATER BASIN
8. PERMANENT STABILIZATION INCLUDING LANDSCAPING
9. REMOVAL OF EROSION CONTROL MEASURES

SEDIMENT AND EROSION CONTROL DEVICES WILL BE INSTALLED AS DETAILED ON THIS SHEET AND CHECKED REGULARLY FOR REPLACEMENT AND AFTER EVERY RAIN FOR REMOVAL OF DEPOSITED MATERIALS. RESPONSIBILITY FOR COMPLIANCE WITH THIS PLAN SHALL BELONG TO THE CONTRACTOR. THE CONTRACTOR SHALL BE THE DESIGNATED ON-SITE AGENT RESPONSIBLE FOR ENSURING TO THE TOWN THAT E & S CONTROL MEASURES ARE STRICTLY ENFORCED.

SEEDING DATES FOR PERMANENT VEGETATION ARE APRIL 1 - JUNE 15 AND AUGUST 15 - SEPTEMBER 15. SEEDING DATES FOR TEMPORARY VEGETATION ARE MARCH 1 - OCTOBER 15. OUTSIDE OF THESE DATES TEMPORARY MULCH CONSISTING OF STRAW OR HAY APPLIED AT THE RATE OF 95 LB/1000 SQUARE FEET SHALL BE USED. HYDROSEEDING WILL BE PERMITTED WHERE SLOPES ARE NO STEEPER THAN 2 TO 1 AND SEEDING RATES WILL BE INCREASED BY 10%.

### OPERATIONS AND MAINTENANCE

1. ALL PROPOSED WORK SHALL CONFORM TO "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL OF SOIL AND WATER CONSERVATION AND TOWN REGULATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE GOALS OF THIS EROSION CONTROL PLAN ARE MET BY WHATEVER MEANS ARE NECESSARY. THE CONTRACTOR SHALL PLAN ALL LAND DISTURBING ACTIVITIES IN A MANNER AS TO MINIMIZE THE EXTENT OF DISTURBED AREAS.
3. PRIOR TO CONSTRUCTION OR EXCAVATION, SEDIMENT BARRIERS SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON THE PLAN OR AS REQUIRED BY THE TOWN AND MAINTAINED THROUGHOUT CONSTRUCTION.
4. UPON FINAL GRADING, DISTURBED AREAS SHALL COVERED WITH A MINIMUM OF 6" LOAM AND SEEDED WITH PERENNIAL GRASSES AS SPECIFIED FOR THE PROJECT. IMMEDIATELY AFTER SEEDING, MULCH THE SEEDED AREA WITH HAY OR STRAW AT THE RATE OF 2 TONS PER ACRE. SEEDING DATES ARE TO BE BETWEEN APRIL 1 THRU JUNE 15 AND AUGUST 15 THRU OCTOBER 15.
5. DAILY INSPECTIONS SHALL BE MADE OF EROSION AND SEDIMENT CONTROL MEASURES TO INSURE EFFECTIVENESS AND IMMEDIATE CORRECTIVE ACTION SHALL BE TAKEN IF FAILURE OCCURS. ADDITIONAL EROSION CONTROL MEASURES BEYOND WHAT IS SHOWN ON THE PLAN MAY BE NECESSARY.
6. EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN STABILIZED AND VEGETATIVE COVER HAS BEEN ESTABLISHED, AT WHICH TIME THEY SHALL BE REMOVED.
7. SITE PROTECTION SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THIS EROSION AND SEDIMENT CONTROL PLAN.

MINIMIZE DISTURBED AREAS

1. KEEP LAND DISTURBANCE TO A MINIMUM - THE MORE LAND THAT IS IN VEGETATIVE COVER, THE MORE SURFACE WATER WILL INFILTRATE INTO THE SOIL, THUS MINIMIZING STORMWATER RUNOFF AND POTENTIAL EROSION. KEEPING LAND DISTURBANCE TO A MINIMUM NOT ONLY INVOLVES MINIMIZING THE EXTENT OF EXPOSURE AT AN ONE TIME, BUT ALSO THE DURATION OF EXPOSURE.
2. PHASE CONSTRUCTION SO THAT AREAS WHICH ARE ACTIVELY BEING DEVELOPED AT ANY ONE TIME ARE MINIMIZED AND ONLY THAT AREA UNDER CONSTRUCTION IS EXPOSED. CLEAR ONLY THOSE AREAS ESSENTIAL FOR CONSTRUCTION.
3. SEQUENCE THE CONSTRUCTION OF STORM DRAINAGE SYSTEMS SO THAT THEY ARE OPERATIONAL AS SOON AS POSSIBLE DURING CONSTRUCTION. ENSURE ALL OUTLETS ARE STABLE BEFORE OUTLETTING STORM DRAINAGE FLOW INTO THEM.
4. SCHEDULE CONSTRUCTION SO THAT FINAL GRADING AND STABILIZATION IS COMPLETED AS SOON AS POSSIBLE.

## MANAGING RUNOFF

1. USE DIVERSIONS, STONE DIKES, SILT FENCES AND SIMILAR MEASURES TO BREAK FLOW LINES AND DISSIPATE STORM WATER ENERGY.
2. AVOID DIVERTING ONE DRAINAGE SYSTEM INTO ANOTHER WITHOUT CALCULATING THE POTENTIAL FOR DOWNSTREAM FLOODING OR EROSION.
3. CLEAN RUNOFF SHOULD BE KEPT SEPARATED FROM SEDIMENT LADEN WATER AND SHOULD NOT BE DIRECTED OVER DISTURBED AREAS WITHOUT ADDITIONAL CONTROLS. ADDITIONALLY, PREVENT THE MIXING OF CLEAN OFF-SITE GENERATED RUNOFF WITH SEDIMENT LADEN RUNOFF GENERATED ON-SITE UNTIL AFTER ADEQUATE INFILTRATION OF ON-SITE WATERS HAS OCCURRED.

### INTERNAL EROSION CONTROLS

1. **DO NOT RELY EXCLUSIVELY ON PERIMETER EROSION CONTROL DEVICES.**
2. **CONTROL EROSION AND SEDIMENTATION BY INSTALLING INTERNAL EROSION CONTROL IN THE SMALLEST DRAINAGE AREA POSSIBLE.**
3. **DIRECT RUNOFF FROM SMALL DISTURBED AREAS TO ADJOINING UNDISTURBED VEGETATED AREAS.**
4. **CONCENTRATED RUNOFF SHOULD BE CONVEYED TO SEDIMENT TRAPS OR BASINS AND STABLE OUTLETS USING RIP RAPPED CHANNELS, STORM DRAINS OR SIMILAR MEASURES.**

**DRAINAGE AND EROSION CONTROL DETAILS**  
**PREPARED FOR**  
**JJS UNIVERSAL CONSTRUCTION CO.**  
**1574 RIVERSIDE DRIVE - THOMPSON, CT**  
**MAP 55 BLOCK 65 LOT 14**



## **Natural Resource Services, Inc.**

---

November 30, 2020

Wojciech Sudyka  
JJS Universal Construction Company  
63 Airport Road  
Dudley, MA 01571

RE: Freshwater Wetland Delineations  
A.P. 55, Block 65, Lot 14; 1574 Riverside Drive  
Thompson, Connecticut

Dear Mr. Sudyka:

Natural Resource Services, Inc. (NRS) has completed the freshwater wetland delineations within the above referenced property. This field work was performed staff biologist, Hannah Chace, and myself on November 25<sup>th</sup>, 2020. The wetland delineation and classification of this property was conducted in accordance with Section 22a – 36 to 45, inclusive, of the Connecticut General Statutes, as amended, and the Inland Wetlands and Watercourses Regulations of the Town of Thompson Connecticut (the regulations). All work was performed by a duly qualified soil scientist, which is consistent with the requirements of the regulations. These delineations are not to be considered final until reviewed and approved by the Town of Thompson Inland Wetland and Watercourses Agency.

As part of our work, a hand-held GPS unit was used to locate the established wetland flagging. While this location work should not be construed as a professional survey, the data obtained is valuable for preliminary planning purposes. An aerial photograph is attached to this letter. The GPS data has been added as an overlay on the photo to provide a visual representation of the established wetland delineation.

The site is partially developed and listed in the town's tax assessor database as being 7.4 acres in size. The commercially developed portion of the lot resides in the northeastern corner of the property. The rest of the property slopes from the north, where Perry Pond occurs, down to the southern portion of the lot where it ends at the public roadway. There are a network of drainage ways along the slope that contain poorly drained to very poorly drained soils and are dominated by hydrophytic vegetation. In addition, there are multiple intermittent watercourses within the drainage ways. This network of watercourses and hydric soils comprise an inland wetland defined as a swamp in Section 2.1 of the regulations.

A review of the Connecticut Department of Energy and Environmental Protection remote sensing tools was also conducted for this property. The Connecticut DEEP Natural Diversity Database depicts the area of Perry Pond as critical habitat, but no state or federally listed species are within or close to the property. The property is not within an Aquifer Protection Area or one



of the ten (10) especially noteworthy wetlands and watercourses identified in the Town of Thompson Inland Wetland Inventory.

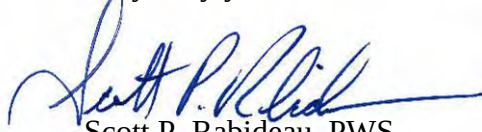
The following chart depicts the NRS flag series, wetland classification and required setback.

| Flag Series | Classification   | Setback                     |
|-------------|------------------|-----------------------------|
| A1 – A15    | Shrub Wetland    | 100-foot Upland Review Area |
| B1 – B30    | Forested Wetland | 100-foot Upland Review Area |
| C1 – C8     | Forested Wetland | 100-foot Upland Review Area |
| D1 – D34    | Perry Pond       | 100-foot Upland Review Area |
| E1 – E10    | Forested Wetland | 100-foot Upland Review Area |

All of these wetlands are identified on the accompanying GIS graphic. In accordance with Section 2.1 of the regulations, each of these wetlands receives a 100-foot upland review area. The upland review area encompasses the vast majority of the undeveloped land within this lot.

Please do not hesitate to contact me if you have any questions regarding the field work performed by NRS or the information presented in this letter of findings.

Very truly yours,



Scott P. Rabideau, PWS  
Principal

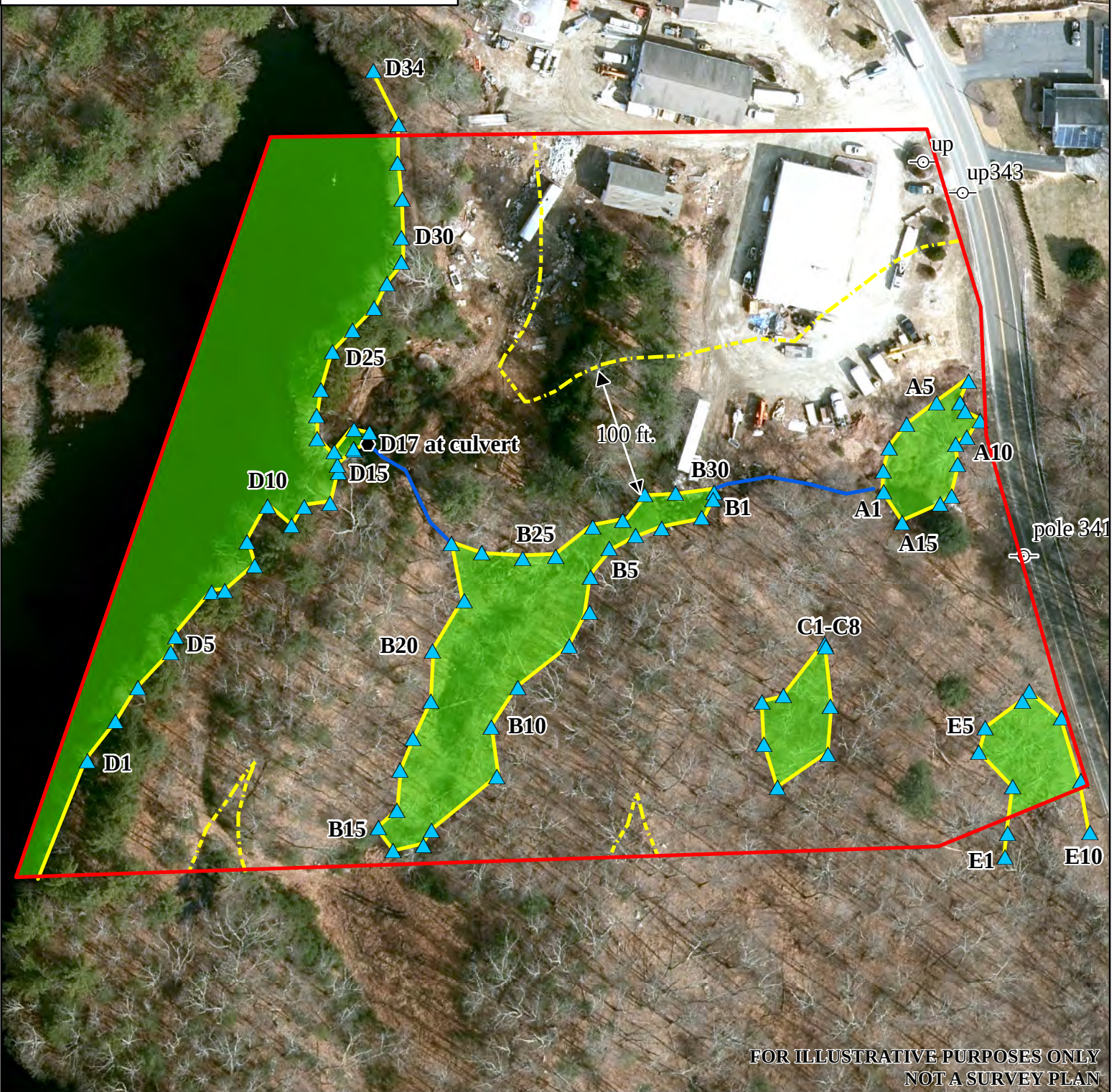
Enclosures



# Legend

- Approximate Site Location (GIS)
- ▲ — Approximate Wetland Delineation
- Approximate Wetland Area
- - - Approximate 100 ft. Upland Review Area
- Approximate Watercourse

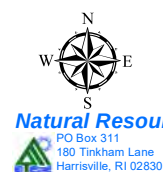
0 50 100 200 Feet



FOR ILLUSTRATIVE PURPOSES ONLY  
NOT A SURVEY PLAN

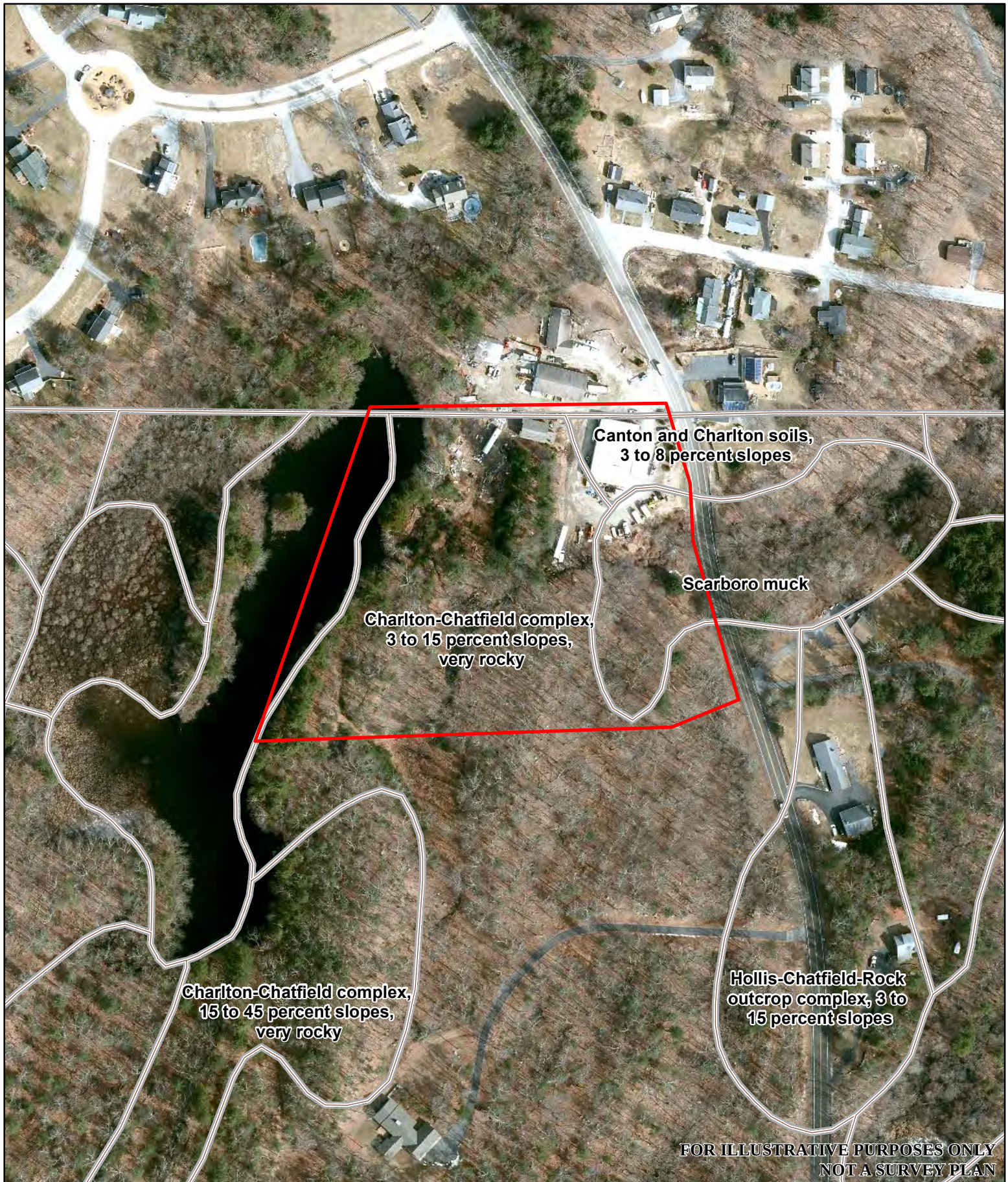
**Site Sketch Depicting Approximate  
Wetland Delineation  
1574 Riverside Dr  
A.P. 55, Block 65, Lot 14  
Thompson, CT**

Performed by  
Scott P. Rabideau, PWS - 11/25/2020  
Located using hand-held Trimble GeoXH



Spring 2019 aerial  
NECCOG  
**Natural Resource Services, Inc.**  
PO Box 311  
180 Tinkham Lane  
Harrisville, RI 02830  
p: (401) 568-7390  
f: (401) 568-7490





**USDA Soil Survey Map**  
**1574 Riverside Dr**  
**A.P. 55, Block 65, Lot 14**

Thompson, CT

— Approximate Site Location

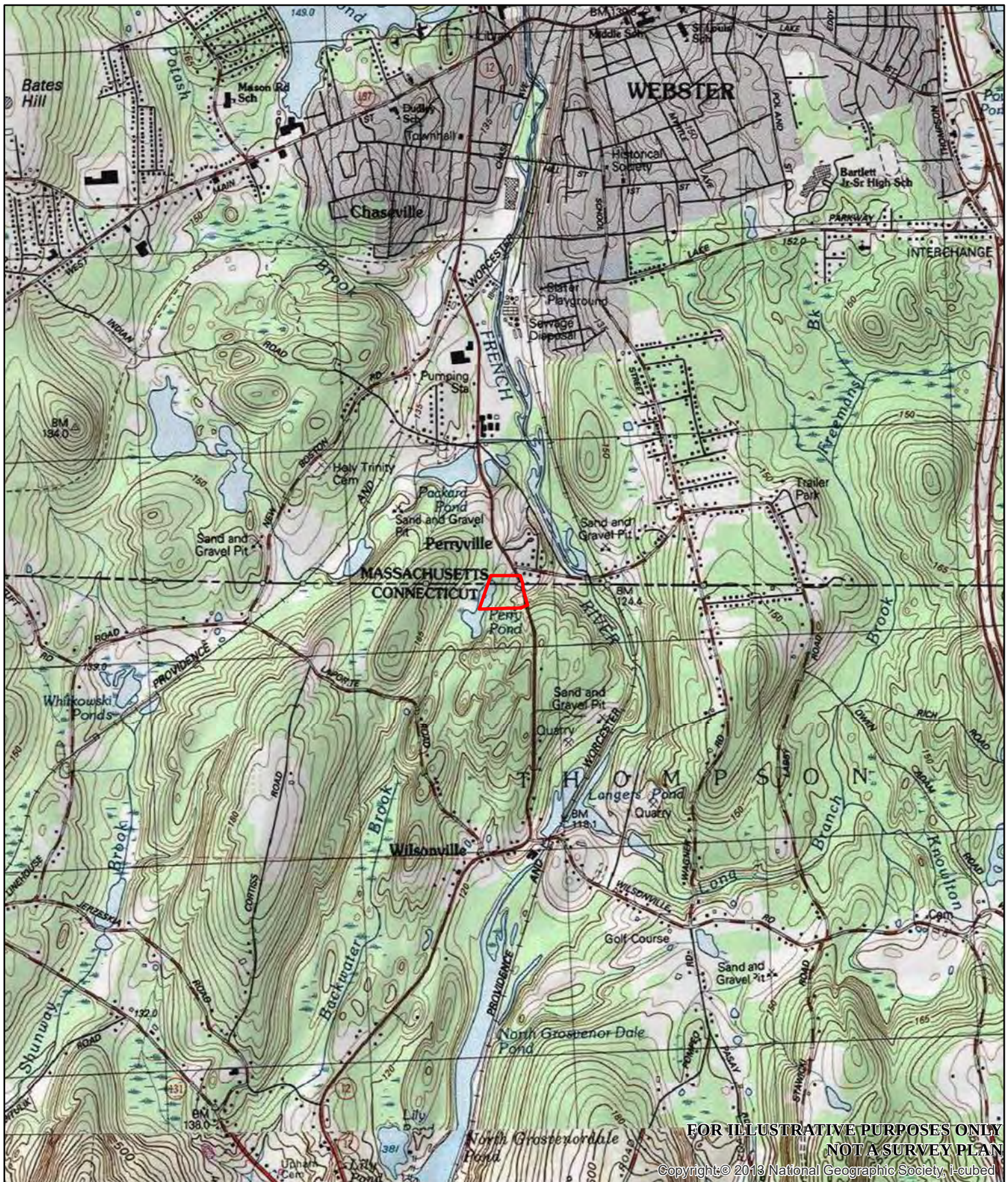
0 100 200 400 Feet



Spring 2019 aerial  
NECCOG

**Natural Resource Services, Inc.**  
PO Box 311  
180 Tinkham Lane  
Harrisville, RI 02830  
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**USGS Topographic Map**  
**1574 Riverside Dr**  
**A.P. 55, Block 65, Lot 14**

Thompson, CT

— Approximate Site Location

0 1,000 2,000 4,000 Feet



**Natural Resource Services, Inc.**  
 PO Box 311  
 180 Tinkham Lane  
 Harrisville, RI 02830  
 p: (401) 568-7390  
 f: (401) 568-7490



## **Wetland Delineation Soil Data Form**

**Site Location:** 1574 Riverside Drive - Thompson

**Date:** 11/25/2020

**Soil Type Mapped:** Scarboro Muck

**Observation Plot:** @A1

**For Wetland Labeled:** A1 – A15

| <b>Horizon</b> | <b>Depth</b> | <b>Color</b> | <b>Redox</b> | <b>Texture</b> | <b>Structure</b> |
|----------------|--------------|--------------|--------------|----------------|------------------|
| Ap             | 0-22"        | 10YR 3/1     | -            | SL             | -                |
| Bw             | 22-26"       | 2.5Y 5/2     | -            | SL             | -                |

**Landscape Position:** Toeslope/ Depression

---

### **Secondary Indicators**

**Vegetation:** *Vitis labrusca*, *Lonicera morrowii*, *Rubus allegheniensis*, *Poa sp.*, *Solidago sp.*

**Surface Indicators:** - Surface scouring  
- Depression

---

**Determination:** Wetland

**Soil Scientist:** 

## **Wetland Delineation Soil Data Form**

**Site Location:** 1574 Riverside Drive - Thompson

**Date:** 11/25/2020

**Soil Type Mapped:** Scarboro Muck

**Observation Plot:** @ D10

**For Wetland Labeled:** D1 – D31

| <b>Horizon</b> | <b>Depth</b> | <b>Color</b> | <b>Redox</b> | <b>Texture</b> | <b>Structure</b> |
|----------------|--------------|--------------|--------------|----------------|------------------|
| Ap             | 0-12"        | 10YR 3/1     | -            | SL             | -                |
| Bw1            | 12-20"       | 10YR 3/3     | -            | SL             | -                |

**Landscape Position:** Footslope

---

### **Secondary Indicators**

**Vegetation:** *Quercus alba*, *Pinus strobus*, *Betula lenta*, *Quercus rubra*, *Lonicera morrowii*

**Surface Indicators:** - None

---

**Determination:** Upland

**Soil Scientist:**





## **Wetland Delineation Soil Data Form**

**Site Location:** 1574 Riverside Drive - Thompson

**Date:** 11/25/2020

**Soil Type Mapped:** Charlton-Chatfield complex

**Observation Plot:** @B7

**For Wetland Labeled:** B1 – B30

| <b>Horizon</b>        | <b>Depth</b> | <b>Color</b> | <b>Redox</b> | <b>Texture</b> | <b>Structure</b> |
|-----------------------|--------------|--------------|--------------|----------------|------------------|
| Ap                    | 0-7"         | 10YR 2/2     | 10YR 5/6     | SiL            | -                |
| Resistance<br>(Stony) | 7"           |              |              |                |                  |

**Landscape Position:** Toeslope

---

### **Secondary Indicators**

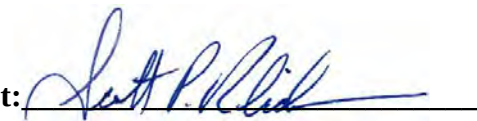
**Vegetation:** *Quercus rubra*, *Betula lenta*, *Pinus strobus*, *Osmundastrum cinnamomeum*,  
*Onoclea sensibilis*, *Sphagnum* sp., *Berberis thunbergia*, *Rubus hispidus*

**Surface Indicators:** - Buttressed roots

---

**Determination:** Wetland

**Soil Scientist:**



---

### **Wetland Delineation Soil Data Form**

**Site Location:** 1574 Riverside Drive - Thompson

**Date:** 11/25/2020

**Soil Type Mapped:** Charlton-Chatfield complex

**Observation Plot:** @ B7

**For Wetland Labeled:** B1 – B30

| <b>Horizon</b> | <b>Depth</b> | <b>Color</b> | <b>Redox</b> | <b>Texture</b> | <b>Structure</b> |
|----------------|--------------|--------------|--------------|----------------|------------------|
| Ap             | 0-8"         | 10YR 2/2     | -            | SiL            | -                |
| Bw             | 8-16"        | 10YR 4/6     | -            | SL             | -                |

**Landscape Position:** Backslope

---

#### **Secondary Indicators**

**Vegetation:** *Quercus rubra*, *Pinus strobus*, *Osmundastrum cinnamomeum*

**Surface Indicators:** - None

---

**Determination:** Upland

**Soil Scientist:**







## **Natural Resource Services, Inc.**

August 2, 2021

Marla Butts, Wetlands Agent  
Thompson Inland Wetlands Commission  
815 Riverside Drive  
North Grosvenor Dale, CT 06255

RE: Wetland Inventory and Assessment  
Plat 55, Block 65, Lot 14; 1574 Riverside Drive  
Thompson, Connecticut

Dear Ms. Butts:

Natural Resource Services, Inc. (NRS) is providing a habitat assessment for a wetland area located within Plat 55, Block 65, Lot 14 on Riverside Drive. The property is 7.45 acres in size, and commercially developed. The area reviewed is within a topographic depression that is approximately 3,350 square feet in size. It is located in the southeast quadrant of the property, isolated from the surrounding wetland features. The area has been identified on the site with blue flagging labeled C1 – C8 (see attached GIS graphic).

The northeastern quarter of the property is developed. There are two buildings within the property with surrounding parking areas. The development continues off property with a few buildings sprawling to the northwest of those on property. South and west of this development remain in a naturalized and forested condition, with numerous wetland features within the landscape.

NRS has performed a habitat assessment within the C series wetland. Staff biologist Hannah Chace conducted this assessment on July 20<sup>th</sup>, 2021. Wetland soils, vegetation and hydrology were evaluated and recorded using an Army Corp of Engineers wetland determination data form. Other potential habitat features were documented in photographs and described. Dominant species present within the wetland include Black birch, Red maple, Red oak, Highbush blueberry, Cinnamon fern, Hay-scented fern, and Dewberry. Habitat features included two large snags, a large boulder with crevices, and woody and leafy debris. In comparison to those other wetlands located within the property, this location is more isolated and retains fewer hydrologic indicators than other locations.

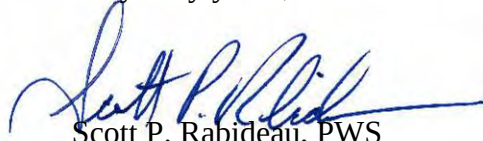
Whereas the D, B, and A series wetlands are connected by drainageways and intermittent watercourses, the C series wetland is isolated within its small depression, with no clear connection to other wetland areas other than potential diffuse overland surface flow.

Despite generally dry conditions expected in July, the elevated levels of rainfall this year were evident throughout the property. Intermittent streams had sustained flows and surface hydrology was evident within all observed wetlands. However, the C series wetland lacks surface hydrologic indicators in at least half of the designated wetland. While surface water and sphagnum patches were evident in the northern portion of the wetland the southern portion is more elevated on the landscape and lacks surface hydrology.

I am providing you with a GIS graphic depicting the subject property and area in question. The graphic identifies the lot and approximate limits of regulated freshwater wetlands in the general vicinity.

Please do not hesitate to call or email me should any additional information be required to facilitate your review of this area.

Very truly yours,



Scott P. Rabideau, PWS  
Principal

Enclosure

Cc: Wojciech Sudyka  
JJS Universal Construction Company  
Daniel Blanchette, PE



## Habitat notes

- Two large snags



- Large boulder with crevices



- Woody and leaf debris



- Surface hydrology with sphagnum in the depressed area



- American toad, (also green frog found near the stream in the flooded soil testing pits)





# Legend

- Approximate Site Location (GIS)
- Approximate Wetland Delineation
- Approximate Wetland Area
- Approximate 100 ft. Upland Review Area
- Approximate Watercourse

0 50 100 200 Feet



FOR ILLUSTRATIVE PURPOSES ONLY  
NOT A SURVEY PLAN

Site Sketch Depicting Approximate  
Wetland Delineation  
1574 Riverside Dr  
A.P. 55, Block 65, Lot 14  
Thompson, CT

Performed by  
Scott P. Rabideau, PWS - 11/25/2020  
Located using hand-held Trimble GeoXH



Spring 2019 aerial  
NECCOG  
Natural Resource Services, Inc.  
PO Box 311  
180 Tinkham Lane  
Harrisville, RI 02830  
p: (401) 568-7390  
f: (401) 568-7490



# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 1574 Riverside Drive City/County: Thompson Sampling Date: July 20, 2021  
 Applicant/Owner: \_\_\_\_\_ State: CT Sampling Point: DP1  
 Investigator(s): \_\_\_\_\_ Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): concave Slope (%): 2  
 Subregion (RR or MLRA): \_\_\_\_\_ Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Scarboro muck NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☐ No ☒ (If no, explain in Remarks.)  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☐ No ☐  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|                                                                                                                                                               |                                         |                             |                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present?                                                                                                                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Hydric Soil Present?                                                                                                                                          | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                                                                                |
| Wetland Hydrology Present?                                                                                                                                    | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                                                                                |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>Community type: Select from list<br><u>Higher than average rainfall this month</u> |                                         |                             |                                                                                                |

## HYDROLOGY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Wetland Hydrology Indicators:</b><br>Primary Indicators (minimum of one is required; check all that apply)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Secondary Indicators (minimum of two required)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| <input checked="" type="checkbox"/> Surface Water (A1)<br><input type="checkbox"/> High Water Table (A2)<br><input checked="" type="checkbox"/> Saturation (A3)<br><input type="checkbox"/> Water Marks (B1)<br><input type="checkbox"/> Sediment Deposits (B2)<br><input type="checkbox"/> Drift Deposits (B3)<br><input type="checkbox"/> Algal Mat or Crust (B4)<br><input type="checkbox"/> Iron Deposits (B5)<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)<br><input checked="" type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input checked="" type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input checked="" type="checkbox"/> Microtopographic Relief (D4)<br><input type="checkbox"/> FAC-Neutral Test (D5) |  |
| <b>Field Observations:</b><br>Surface Water Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>1</u><br>Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0</u><br>Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0</u><br>(includes capillary fringe)                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Remarks:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |



**VEGETATION – Use scientific names of plants.**

 Sampling Point: DP1

| Tree Stratum (Plot size: <u>20</u> )                          | Absolute % Cover | Dominant Species? | Indicator Status |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------|------------------|-------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. <u>Betula lenta</u>                                        | <u>30</u>        | <u>Y</u>          | <u>FACU</u>      | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>7</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>57</u> (A/B)                                                                                                                                                                                                                                                                                                              |
| 2. <u>Acer rubrum</u>                                         | <u>30</u>        | <u>Y</u>          | <u>FAC</u>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 6. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 7. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                               | <u>60</u>        | = Total Cover     |                  | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>OBL species _____ x 1 = _____<br>FACW species _____ x 2 = _____<br>FAC species _____ x 3 = _____<br>FACU species _____ x 4 = _____<br>UPL species _____ x 5 = _____<br>Column Totals: _____ (A) _____ (B)<br><br>Prevalence Index = B/A = _____                                                                                                                                                                                                                                         |
| <b>Sapling/Shrub Stratum (Plot size: <u>15</u> )</b>          |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1. <u>Vaccinium corymbosum</u>                                | <u>5</u>         | <u>Y</u>          | <u>FACW</u>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 2. <u>Acer rubrum</u>                                         | <u>10</u>        | <u>Y</u>          | <u>FAC</u>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                               | <u>15</u>        | = Total Cover     |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Herb Stratum (Plot size: _____ )</b>                       |                  |                   |                  | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> Rapid Test for Hydrophytic Vegetation<br><input type="checkbox"/> Dominance Test is >50%<br><input type="checkbox"/> Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 1. <u>Dennstaedtia punctilobula</u>                           | <u>25</u>        | <u>Y</u>          | <u>UPL</u>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 2. <u>Rubus hispidus</u>                                      | <u>15</u>        | <u>Y</u>          | <u>FACW</u>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3. <u>Betula lenta</u>                                        | <u>15</u>        | <u>Y</u>          | <u>FACU</u>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4. <u>Sphagnum sp.</u>                                        | <u>10</u>        | <u>N</u>          | <u>OBL</u>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5. <u>Solidago canadensis</u>                                 | <u>5</u>         | <u>N</u>          | <u>FACU</u>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 6. <u>Osmundastrum cinnamomea</u>                             | <u>5</u>         | <u>N</u>          | <u>FACW</u>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                               | <u>75</u>        | = Total Cover     |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Woody Vine Stratum (Plot size: <u>20</u> )</b>             |                  |                   |                  | <b>Definitions of Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.<br><br><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.<br><br><b>Woody vines</b> – All woody vines greater than 3.28 ft in height.                                                                                                            |
| 1. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 2. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                               | <u>0</u>         | = Total Cover     |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Remarks: (Include photo numbers here or on a separate sheet.) |                  |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## SOIL

Sampling Point: DP1

**Profile Description:** (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

[illegible]

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

### Hydric Soil Indicators:

- |                                                                        |                                                                                   |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <input type="checkbox"/> Histosol (A1)                                 | <input type="checkbox"/> Polyvalue Below Surface (S8) ( <b>LRR R, MLRA 149B</b> ) |
| <input type="checkbox"/> Histic Epipedon (A2)                          | <input type="checkbox"/> Thin Dark Surface (S9) ( <b>LRR R, MLRA 149B</b> )       |
| <input type="checkbox"/> Black Histic (A3)                             | <input type="checkbox"/> Loamy Mucky Mineral (F1) ( <b>LRR K, L</b> )             |
| <input type="checkbox"/> Hydrogen Sulfide (A4)                         | <input type="checkbox"/> Loamy Gleyed Matrix (F2)                                 |
| <input type="checkbox"/> Stratified Layers (A5)                        | <input checked="" type="checkbox"/> Depleted Matrix (F3)                          |
| <input type="checkbox"/> Depleted Below Dark Surface (A11)             | <input type="checkbox"/> Redox Dark Surface (F6)                                  |
| <input type="checkbox"/> Thick Dark Surface (A12)                      | <input type="checkbox"/> Depleted Dark Surface (F7)                               |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)                      | <input type="checkbox"/> Redox Depressions (F8)                                   |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)                      |                                                                                   |
| <input type="checkbox"/> Sandy Redox (S5)                              |                                                                                   |
| <input type="checkbox"/> Stripped Matrix (S6)                          |                                                                                   |
| <input type="checkbox"/> Dark Surface (S7) ( <b>LRR R, MLRA 149B</b> ) |                                                                                   |

### Indicators for Problematic Hydric Soils<sup>3</sup>:

- |                          |                                                      |
|--------------------------|------------------------------------------------------|
| <input type="checkbox"/> | 2 cm Muck (A10) ( <b>LRR K, L, MLRA 149B</b> )       |
| <input type="checkbox"/> | Coast Prairie Redox (A16) ( <b>LRR K, L, R</b> )     |
| <input type="checkbox"/> | 5 cm Mucky Peat or Peat (S3) ( <b>LRR K, L, R</b> )  |
| <input type="checkbox"/> | Dark Surface (S7) ( <b>LRR K, L</b> )                |
| <input type="checkbox"/> | Polyvalue Below Surface (S8) ( <b>LRR K, L</b> )     |
| <input type="checkbox"/> | Thin Dark Surface (S9) ( <b>LRR K, L</b> )           |
| <input type="checkbox"/> | Iron-Manganese Masses (F12) ( <b>LRR K, L, R</b> )   |
| <input type="checkbox"/> | Piedmont Floodplain Soils (F19) ( <b>MLRA 149B</b> ) |
| <input type="checkbox"/> | Mesic Spodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )   |
| <input type="checkbox"/> | Red Parent Material (F21)                            |
| <input type="checkbox"/> | Very Shallow Dark Surface (TF12)                     |
| <input type="checkbox"/> | Other (Explain in Remarks)                           |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

## Restrictive Layer (if observed):

Type: \_\_\_\_\_

Depth (inches):

Hydric Soil Present? Yes ☒ No ☐

Remarks:



# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 1574 Riverside Drive City/County: Thompson Sampling Date: July 20, 2021  
 Applicant/Owner: \_\_\_\_\_ State: CT Sampling Point: DP2  
 Investigator(s): \_\_\_\_\_ Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Local relief (concave, convex, none): concave Slope (%): 2  
 Subregion (RR or MLRA): \_\_\_\_\_ Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Scarboro muck NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☐ No ☒ (If no, explain in Remarks.)  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☐ No ☐  
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

|                                                                         |                                         |                                        |                                       |                                         |                             |
|-------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------------|-----------------------------|
| Hydrophytic Vegetation Present?                                         | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> | Is the Sampled Area within a Wetland? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Hydric Soil Present?                                                    | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |                                       |                                         |                             |
| Wetland Hydrology Present?                                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                       |                                         |                             |
| Remarks: (Explain alternative procedures here or in a separate report.) |                                         |                                        |                                       |                                         |                             |
| Community type: Select from list                                        |                                         |                                        |                                       |                                         |                             |
| Higher than average rainfall this month                                 |                                         |                                        |                                       |                                         |                             |

## HYDROLOGY

|                                                                                                               |                                                                     |                                                        |                                                                  |                                                             |                                                                    |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Wetland Hydrology Indicators:</b><br>Primary Indicators (minimum of one is required; check all that apply) |                                                                     |                                                        | <b>Secondary Indicators (minimum of two required)</b>            |                                                             |                                                                    |
| <input type="checkbox"/> Surface Water (A1)                                                                   | <input checked="" type="checkbox"/> Water-Stained Leaves (B9)       | <input type="checkbox"/> Aquatic Fauna (B13)           | <input type="checkbox"/> Surface Soil Cracks (B6)                | <input checked="" type="checkbox"/> Drainage Patterns (B10) | <input type="checkbox"/> Moss Trim Lines (B16)                     |
| <input type="checkbox"/> High Water Table (A2)                                                                | <input type="checkbox"/> Marl Deposits (B15)                        | <input type="checkbox"/> Hydrogen Sulfide Odor (C1)    | <input type="checkbox"/> Dry-Season Water Table (C2)             | <input type="checkbox"/> Crayfish Burrows (C8)              | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input checked="" type="checkbox"/> Saturation (A3)                                                           | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) | <input type="checkbox"/> Presence of Reduced Iron (C4) | <input type="checkbox"/> Stunted or Stressed Plants (D1)         | <input type="checkbox"/> Geomorphic Position (D2)           | <input type="checkbox"/> Shallow Aquitard (D3)                     |
| <input type="checkbox"/> Water Marks (B1)                                                                     | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input type="checkbox"/> Thin Muck Surface (C7)        | <input checked="" type="checkbox"/> Microtopographic Relief (D4) | <input type="checkbox"/> FAC-Neutral Test (D5)              |                                                                    |
| <input type="checkbox"/> Sediment Deposits (B2)                                                               | <input type="checkbox"/> Other (Explain in Remarks)                 |                                                        |                                                                  |                                                             |                                                                    |
| <input type="checkbox"/> Drift Deposits (B3)                                                                  |                                                                     |                                                        |                                                                  |                                                             |                                                                    |
| <input type="checkbox"/> Algal Mat or Crust (B4)                                                              |                                                                     |                                                        |                                                                  |                                                             |                                                                    |
| <input checked="" type="checkbox"/> Iron Deposits (B5)                                                        |                                                                     |                                                        |                                                                  |                                                             |                                                                    |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)                                            |                                                                     |                                                        |                                                                  |                                                             |                                                                    |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)                                              |                                                                     |                                                        |                                                                  |                                                             |                                                                    |

|                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------|
| <b>Field Observations:</b><br>Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>14</u><br>Saturation Present? (includes capillary fringe) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0</u> |  |  | <b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:                                                                                                                                                                                                                                                                                                           |  |  |                                                                                                       |
| Remarks:                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |                                                                                                       |

**VEGETATION – Use scientific names of plants.**

 Sampling Point: DP2

| Tree Stratum (Plot size: <u>20</u> )                          | Absolute % Cover | Dominant Species? | Indicator Status |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
|---------------------------------------------------------------|------------------|-------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|-------------------|-------------|------------------------|-----------------|-----------------------|------------------|------------------------|------------------|-----------------------|------------------|-------------------------------|----------------|
| 1. <u>Betula lenta</u>                                        | <u>40</u>        | <u>Y</u>          | <u>FACU</u>      | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>6</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33</u> (A/B)                                                                                                                                                                                                                                                                                                                                                                                |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 2. <u>Quercus rubra</u>                                       | <u>20</u>        | <u>Y</u>          | <u>FACU</u>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 3. <u>Pinus strobus</u>                                       | <u>5</u>         | <u>N</u>          | <u>FACU</u>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 4. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 5. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 6. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 7. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| <u>60</u> = Total Cover                                       |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| <b>Sapling/Shrub Stratum (Plot size: <u>15</u> )</b>          |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 1. <u>Betula lenta</u>                                        | <u>20</u>        | <u>Y</u>          | <u>FACU</u>      | <b>Prevalence Index worksheet:</b><br><table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species <u>30</u></td> <td>x 2 = <u>60</u></td> </tr> <tr> <td>FAC species <u>40</u></td> <td>x 3 = <u>120</u></td> </tr> <tr> <td>FACU species <u>90</u></td> <td>x 4 = <u>360</u></td> </tr> <tr> <td>UPL species <u>20</u></td> <td>x 5 = <u>100</u></td> </tr> <tr> <td>Column Totals: <u>180</u> (A)</td> <td><u>640</u> (B)</td> </tr> </table><br>Prevalence Index = B/A = <u>3.55</u> | Total % Cover of: | Multiply by: | OBL species _____ | x 1 = _____ | FACW species <u>30</u> | x 2 = <u>60</u> | FAC species <u>40</u> | x 3 = <u>120</u> | FACU species <u>90</u> | x 4 = <u>360</u> | UPL species <u>20</u> | x 5 = <u>100</u> | Column Totals: <u>180</u> (A) | <u>640</u> (B) |
| Total % Cover of:                                             | Multiply by:     |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| OBL species _____                                             | x 1 = _____      |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| FACW species <u>30</u>                                        | x 2 = <u>60</u>  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| FAC species <u>40</u>                                         | x 3 = <u>120</u> |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| FACU species <u>90</u>                                        | x 4 = <u>360</u> |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| UPL species <u>20</u>                                         | x 5 = <u>100</u> |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| Column Totals: <u>180</u> (A)                                 | <u>640</u> (B)   |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 2. <u>Acer rubrum</u>                                         | <u>40</u>        | <u>Y</u>          | <u>FAC</u>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 3. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 4. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 5. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 6. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 7. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| <u>60</u> = Total Cover                                       |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| <b>Herb Stratum (Plot size: <u>5</u> )</b>                    |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 1. <u>Osmundastrum cinnamomea</u>                             | <u>30</u>        | <u>Y</u>          | <u>FACW</u>      | <b>Hydrophytic Vegetation Indicators:</b><br><input type="checkbox"/> Rapid Test for Hydrophytic Vegetation<br><input type="checkbox"/> Dominance Test is >50%<br><input type="checkbox"/> Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.                                                                   |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 2. <u>Dennstaedtia punctilobula</u>                           | <u>20</u>        | <u>Y</u>          | <u>UPL</u>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 3. <u>Mainthemum canadense</u>                                | <u>5</u>         | <u>N</u>          | <u>FACU</u>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 4. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 5. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 6. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 7. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 8. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 9. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 10. _____                                                     | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 11. _____                                                     | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 12. _____                                                     | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| <u>55</u> = Total Cover                                       |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| <b>Woody Vine Stratum (Plot size: <u>20</u> )</b>             |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 1. _____                                                      | _____            | _____             | _____            | <b>Hydrophytic Vegetation Present?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 2. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 3. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| 4. _____                                                      | _____            | _____             | _____            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| <u>0</u> = Total Cover                                        |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |
| Remarks: (Include photo numbers here or on a separate sheet.) |                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |              |                   |             |                        |                 |                       |                  |                        |                  |                       |                  |                               |                |



## SOIL

Sampling Point: DP2

**Profile Description:** (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

[illegible]

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

### Hydric Soil Indicators:

- |                          |                                      |                          |
|--------------------------|--------------------------------------|--------------------------|
| <input type="checkbox"/> | Histosol (A1)                        | <input type="checkbox"/> |
| <input type="checkbox"/> | Histic Epipedon (A2)                 | <input type="checkbox"/> |
| <input type="checkbox"/> | Black Histic (A3)                    | <input type="checkbox"/> |
| <input type="checkbox"/> | Hydrogen Sulfide (A4)                | <input type="checkbox"/> |
| <input type="checkbox"/> | Stratified Layers (A5)               | <input type="checkbox"/> |
| <input type="checkbox"/> | Depleted Below Dark Surface (A11)    | <input type="checkbox"/> |
| <input type="checkbox"/> | Thick Dark Surface (A12)             | <input type="checkbox"/> |
| <input type="checkbox"/> | Sandy Mucky Mineral (S1)             | <input type="checkbox"/> |
| <input type="checkbox"/> | Sandy Gleyed Matrix (S4)             | <input type="checkbox"/> |
| <input type="checkbox"/> | Sandy Redox (S5)                     | <input type="checkbox"/> |
| <input type="checkbox"/> | Stripped Matrix (S6)                 | <input type="checkbox"/> |
| <input type="checkbox"/> | Dark Surface (S7) (LRR R, MLRA 149B) | <input type="checkbox"/> |

- ☐ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ☐ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ☐ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

### Indicators for Problematic Hydric Soils<sup>3</sup>:

- |                          |                                                      |
|--------------------------|------------------------------------------------------|
| <input type="checkbox"/> | 2 cm Muck (A10) ( <b>LRR K, L, MLRA 149B</b> )       |
| <input type="checkbox"/> | Coast Prairie Redox (A16) ( <b>LRR K, L, R</b> )     |
| <input type="checkbox"/> | 5 cm Mucky Peat or Peat (S3) ( <b>LRR K, L, R</b> )  |
| <input type="checkbox"/> | Dark Surface (S7) ( <b>LRR K, L</b> )                |
| <input type="checkbox"/> | Polyvalue Below Surface (S8) ( <b>LRR K, L</b> )     |
| <input type="checkbox"/> | Thin Dark Surface (S9) ( <b>LRR K, L</b> )           |
| <input type="checkbox"/> | Iron-Manganese Masses (F12) ( <b>LRR K, L, R</b> )   |
| <input type="checkbox"/> | Piedmont Floodplain Soils (F19) ( <b>MLRA 149B</b> ) |
| <input type="checkbox"/> | Mesic Spodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )   |
| <input type="checkbox"/> | Red Parent Material (F21)                            |
| <input type="checkbox"/> | Very Shallow Dark Surface (TF12)                     |
| <input type="checkbox"/> | Other (Explain in Remarks)                           |

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

## Restrictive Layer (if observed):

Type: \_\_\_\_\_

Depth (inches):

Hydric Soil Present? Yes ☐ No ☒

Remarks:

# Stormwater Management Report

Prepared For

JJS Universal Construction Co.  
C/O Wojciech Sudyka

1574 Riverside Drive  
North Grosvenordale, CT

Dated: September 3, 2021

Prepared By

J&D Civil Engineers, LLC  
401 Ravenelle Road  
North Grosvenordale, CT



## **Project Narrative**

The applicant, Mr. Wojciech Sudyka, is proposing to construct an expansion to his existing construction company. The site currently has two separate commercial buildings at the north end, close to the state line. The applicant is interested in constructing a 17,200 square foot garage building near the south end of the site, along with an associated driveway, septic, and drainage system. The garage will consist of 8 separate bays, some of which will be used by the applicant, and some of which may be rented or leased to other local contractors.

## **Site Description**

The property is approximately 7.5 acres in size, and is located on the west side of Route 12, right at the state line with Massachusetts. There is a body of water known as Perry Pond located at the west side of the site, and the water has an approximate elevation of 466 feet. From the pond, the land slopes down towards the road, which has a low point elevation of 436 feet. The north side of the site contains 1.5 acres of developed area, with two detached commercial buildings, a driveway, and storage areas for vehicles and construction supplies. The remaining land is vacant, and consists of a pond and mature forest.

There are 4 main pockets of wetlands on site. One of the wetlands pockets at the center of the site will be filled in. The other three wetland areas will remain, and serve as part of the proposed drainage system. All wetland soils have been delineated by Scott Rabideau, a Professional Wetland Scientist. Additionally, an ecologic survey was conducted of the wetlands pocket that will be disturbed.

The soils in this watershed primarily consist of Charlton-Chatfield Complex (73C), according to the National Resource Conservation Service. These soils represent at least 90% of the watershed, and are composed of very rocky, sandy loams. These soils correspond to Hydrologic Group B, which have a high infiltration rate and low potential for runoff. There is a small area of Group C soils on the adjacent property to the south, referred to as Hollis Chatfield Rock Outcrop Complex. These Group C soils have a moderate infiltration rate, and moderate potential for runoff. There is also a small area of Group D soils at the low point of the site, referred to as Scarboro Muck by the NRCS. These soils have a very low infiltration rate, and a high potential for runoff. There do not appear to be any Group A, sandy or gravelly soils, present in the watershed. Please see the attached drainage area maps and soil reports for more information.

## **Existing and Proposed Drainage Patterns**

The watershed that was analyzed is approximately 27 acres in size. The watershed extends slightly north into Massachusetts, and approximately 1,500 feet south across two wooded residential properties. Under existing conditions, there are two main drainage areas in the watershed, described as West and East on the drainage area maps. Drainage Area: East is primarily wooded, and drains into a small wetland depression before entering a catch basin and flowing east under the highway. Drainage Area: West includes most of the developed and/or impervious areas, and drains into another small wetland depression before crossing under the

highway. According to historical State maps, there exists a drainage structure consisting of a 2x2 box culvert. However, we could not find any evidence of this structure, either an inlet or outlet. It appears as though this water filtrates into the ground, and slowly seeps through a stone headwall on the other side of the highway.

Under proposed conditions, Drainage Area: East remains unchanged. The remaining area is divided into 4 new drainage areas. The undeveloped portion of the land to the south, Drainage Area: West, has been decreased in size, and is directed by a grass swale into the wetlands. The Drainage Area: Back Parking consists of the rear portion of the parking lot and driveway, and drains into a small infiltration basin for water quality treatment before entering the nearby wetlands. The Drainage Area: Front Parking consists of the building and the front portion of the parking lot and driveway. This drainage area drains to an infiltration basin for water quality treatment before entering the wetlands and ultimately crossing under the road. The last proposed Drainage Area: North is composed of the existing developed area to the northeast, and flow into the wetlands before crossing under the road. Please see the attached HydroCAD report for specific details on each drainage area.

## **Methodology**

The HydroCAD computer program was used for hydraulic computations for this project. This program models the hydrology and hydraulics of stormwater runoff based largely upon the methods developed by the Soil Conservation Service (now known as the Natural Resources Conservation Service). Required input data includes the size of the contributing drainage area, curve numbers which are based upon land use and soil types, and times of concentration. Hydrographs with peak flows determined are calculated for each drainage area based upon the SCS synthetic unit hydrograph method. The rainfall distribution used in the program was the SCS Type III storm recommended for New England.

## **Stormwater Quality**

The drainage for this project has been designed to maximize stormwater quality and prevent any dirty or otherwise polluted water from directly entering a wetlands or drainage structure. The project incorporates several best management practices as recommended by the 2004 CT Stormwater Quality Manual. Impervious surfaces have been minimized, and the majority of the watershed that was analyzed consists of mature, undeveloped forest. Runoff generated from these areas does not require any treatment, and therefore is being directed into existing wetlands and/or drainage structures.

This project involves approximately 2 acres of land being disturbed, with the majority of that area converted into impervious building or gravel parking. Runoff generated by the building roof does not require any treatment either. The portion of gravel parking and driveway to the rear, known as Drainage Area: Back Parking will be directed into one of two grass swales. The grass swales will provide some treatment before the runoff enters a stormwater infiltration basin for additional treatment and storage. This basin has been sized to capture the required Water Quality Volume. The developed portion of the site closest to the road, known as Drainage Area:



Front Parking will be directed into a stormwater infiltration basin for storage and treatment. This basin has been sized to capture the required Water Quality Volume. After leaving the infiltration basins, clean runoff will enter the various wetlands pockets on site, which will also provide a degree of treatment and storage.

During construction, several methods will be used to maximize stormwater quality and reduce the amount of erosion from the site. Erosion control devices such as silt fence or hay bales will be placed above any wetlands, or at the toe of any embankments. Disturbed areas shall be stabilized as soon as possible with loam and seed or mulch. Erosion control blankets shall be installed in areas of high flow.

### **Comparison of Peak Flows**

Under proposed conditions, there is no increase in peak runoff existing the site. The impervious (building) and near-impervious (gravel parking) surfaces are directed into infiltration basins. These basins allow runoff to naturally infiltrate into the ground and also provide storage to attenuate the peak runoff.

The peak discharges under various storms for existing and proposed conditions are provided below. All numbers are shown in CFS, Cubic Feet per Second.

|          | 2 Year | 10 Year | 25 Year | 50 Year | 100 Year |
|----------|--------|---------|---------|---------|----------|
| Existing | 4.98   | 17.56   | 24.20   | 28.77   | 33.18    |
| Proposed | 3.54   | 14.27   | 20.44   | 25.16   | 30.66    |

## Agenda Item E.b) 7. New Applications

**DEC21029**, Town of Thompson, 35 Marshall St.  
(Assessor's map 169, block 92, lot 13), request for ruling  
on erection of 6 to 8 sculptures in 100- foot upland review  
area for the French River for recreational purposes,  
stamped received 9/9/21.





*Town of Thompson*  
INLAND WETLANDS COMMISSION  
815 RIVERSIDE DRIVE  
NORTH GROSVENORDALE, CT 06255

For Commission Use Only  
Application #: DEC 21029

Received

SEP 09 2021

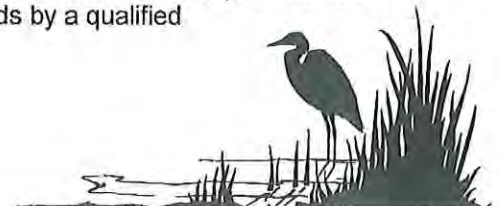
Thompson Wetlands Office

**APPLICATION FORM - USE PERMITTED AS OF RIGHT OR NON-REGULATED USE**

Applies to those actions proposed as a use permitted as of right or non-regulated use listed in sections 4.1 and 4.2 of the Thompson Inland Wetland and Watercourse Regulations, except timber harvests (for timber harvests use Timber Harvest Form). Unless identified as "Optional" all information is mandatory.

**Part I Request for Use Permitted as of Right or Non-Regulation Use** (check one only):

1. Propose use or activity conforms to the following permitted uses as outlined in section 4.1 of the Thompson Inland Wetland and Watercourse Regulations (check as appropriate):
  - a. ☐ Grazing, farming, nurseries, gardening and harvesting of crops.
  - b. ☐ Farm pond three (3) acres or less essential to the farming operation.
  - c. ☐ Construction of a residential home for which a building permit has been issued prior to July 1, 1987, attach copy of valid building permit and site plan.
  - d. ☐ Boat anchorage or mooring.
  - e. ☐ Use incidental to the maintenance and enjoyment of property presently used for residential purposes that contains a dwelling. Such property is equal to or smaller than the largest minimum residential lot size as permitted in the Town of Thompson.
  - f. ☐ Construction and operation by a water company of a dam, reservoir or other facility necessary for the impounding, storage and withdrawal of water in connection with public water supplies.
  - g. ☐ Maintenance of drainage pipes on residential property that existed prior to July 1, 1974.
2. Proposed use or activity will not disturb the natural or indigenous character of the wetland or watercourse and conforms to one of the following non-regulated uses outlined in section 4.2 of the Thompson Inland Wetlands and Watercourses Regulations (check as appropriate):
  - a. ☐ Conservation of soil, vegetation, water, fish or wildlife.
  - b. ☒ Outdoor recreation
  - c. ☐ Dry Hydrant installation by authority of the municipal fire department
3. The proposed use or activity is not regulated by the Thompson Inland Wetlands and Watercourses Regulations because (check as appropriate):
  - a. ☐ The proposed activity or use is one which is the exclusive jurisdiction of State or Federal agency. Provide documentation (See Section 5 of these regulations)
  - b. ☐ The use or activity legally existed as of July 1, 1974, and does not involve new, additional or expanded use or activity. Provide documentation.
  - c. ☐ The proposed activity is not a regulated activity as defined by section 2 to the Thompson Inland Wetlands and Watercourses Regulations (delineation of wetlands by a qualified soil scientist may be required)





**Part II Contact Information**

1) Applicant Contact Information

a) Applicant Name: Town of Thompson

b) Mailing Address: PO BOX 899  
(include town state zip) N. GROSVENORDALE 06255

c) Daytime Phone #: 860 923 9561

d) Evening Phone #: \_\_\_\_\_

e) Cell Phone # (optional): \_\_\_\_\_

f) Email Address (optional): \_\_\_\_\_

2) Applicant's Interest in Property (check one only)

☒ property owner ☐ lessee ☐ easement holder

3) Owner Contact Information (required if applicant is not property owner)

a) Name: \_\_\_\_\_

b) Mailing Address: \_\_\_\_\_  
(include town state zip) \_\_\_\_\_

c) Daytime Phone #: \_\_\_\_\_

d) Evening Phone #: \_\_\_\_\_

e) Cell Phone # (optional): \_\_\_\_\_

f) Email Address (optional): \_\_\_\_\_

**Part III Site Information**

1) Property Involved (following information obtained from tax assessor and town clerk's records):

| Street Address        | Assessor's Reference |           |           |
|-----------------------|----------------------|-----------|-----------|
|                       | Map                  | Block     | Lot       |
| <u>35 MARSHALL ST</u> | <u>169</u>           | <u>92</u> | <u>13</u> |

2) Attach an 8 1/2 inch by 11 inch location map for the property (printable map from Thompson MapGeo with property outlined is acceptable – see <https://thompsonct.mapgeo.io> )

3) Wetlands (as delineated by qualified soil scientist) / Watercourse Area Altered

a) Wetlands: N/A (in square feet)

b) Open Water Body: N/A (in square feet)

c) Stream: N/A (in linear feet)

4) Noteworthy Wetlands / Watercourses: Does the property contain a noteworthy wetland or watercourse as identified in the document "Town of Thompson Inland Wetland Inventory" prepared by the Northeastern Connecticut Regional Planning Agency dated 1980? (see [http://thompsonct.org/images/stories/Inland\\_Wetlands/Inlands-Wetlands-Watercourse-Map.pdf](http://thompsonct.org/images/stories/Inland_Wetlands/Inlands-Wetlands-Watercourse-Map.pdf) - check one) ☐ No ☒ Yes (If Yes, then upland review area = 200 ft.)

5) Upland Review Area altered: 100 (in square feet)

For 6 & 7 below see [http://thompsonct.org/images/stories/Planning\\_Development/Inland\\_Wetlands/Drainage-BasinsTopo-Grid-2017.pdf](http://thompsonct.org/images/stories/Planning_Development/Inland_Wetlands/Drainage-BasinsTopo-Grid-2017.pdf)

6) U.S.G.S. Topographic Quadrangle (check all involved)

☐ #13 Webster MA

☐ #14 Oxford MA

☒ #28 Putnam

☐ #29 Thompson

7) Drainage Basin #(s) wherein the proposed activity will take place (check all involved):

French River ☒ 3300 ☐ 3301

Quinebaug River ☐ 3700 ☐ 3708

Five Mile River ☐ 3400 ☐ 3401 ☐ 3402



**Part IV Description of Activity Proposed**

1. Detailed project description and purpose: \_\_\_\_\_

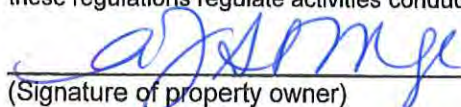
PROJECT INVOLVES THE INSTALLATION OF 6-8  
SCULPTURES WITHIN THE UPLAND REVIEW  
AREA, ADJACENT TO THE FRENCH RIVER.  
TOTAL LAND DISTURBANCE EQUALS 100 SQUARE  
FEET, SO NO EROSION CONTROLS SHOULD  
BE NECESSARY

2. Attach a diagram, drawing or plot plan of sufficient scale and detail to portray the proposed activity.

SITE PLANS ATTACHED

**Part V Application Permissions & Certifications**1) Owner's Permission<sup>1</sup>

I, the undersigned, am the owner of the above reference property and hereby grant permission to the Thompson Inland Wetlands Commission and its duly authorized agents to enter upon this property at reasonable times both before and after a final decision on this application has been issued by the Thompson Inland Wetlands Commission for purposed of inspection and enforcement of the Inland Wetlands and Watercourse regulation of the town of Thompson. Further, I have had an opportunity to review the Inland Wetlands and Watercourses Regulations of the Town of Thompson and understand that these regulations regulate activities conducted on my property.

  
 (Signature of property owner)

9-9-21  
 Date

For all persons excluding individuals print name and title of signatory above

2) Applicant's Certification<sup>1</sup>

I, the undersigned, certify that the information supplied in the completed application is accurate, to the best of my knowledge and belief and am aware of the penalties for obtaining the permit through deception, inaccurate or misleading information.

  
 (Signature of applicant)

9-9-21  
 Date

For all persons excluding individuals print name and title of signatory above

**\*\*\* For Commission Use Only \*\*\***

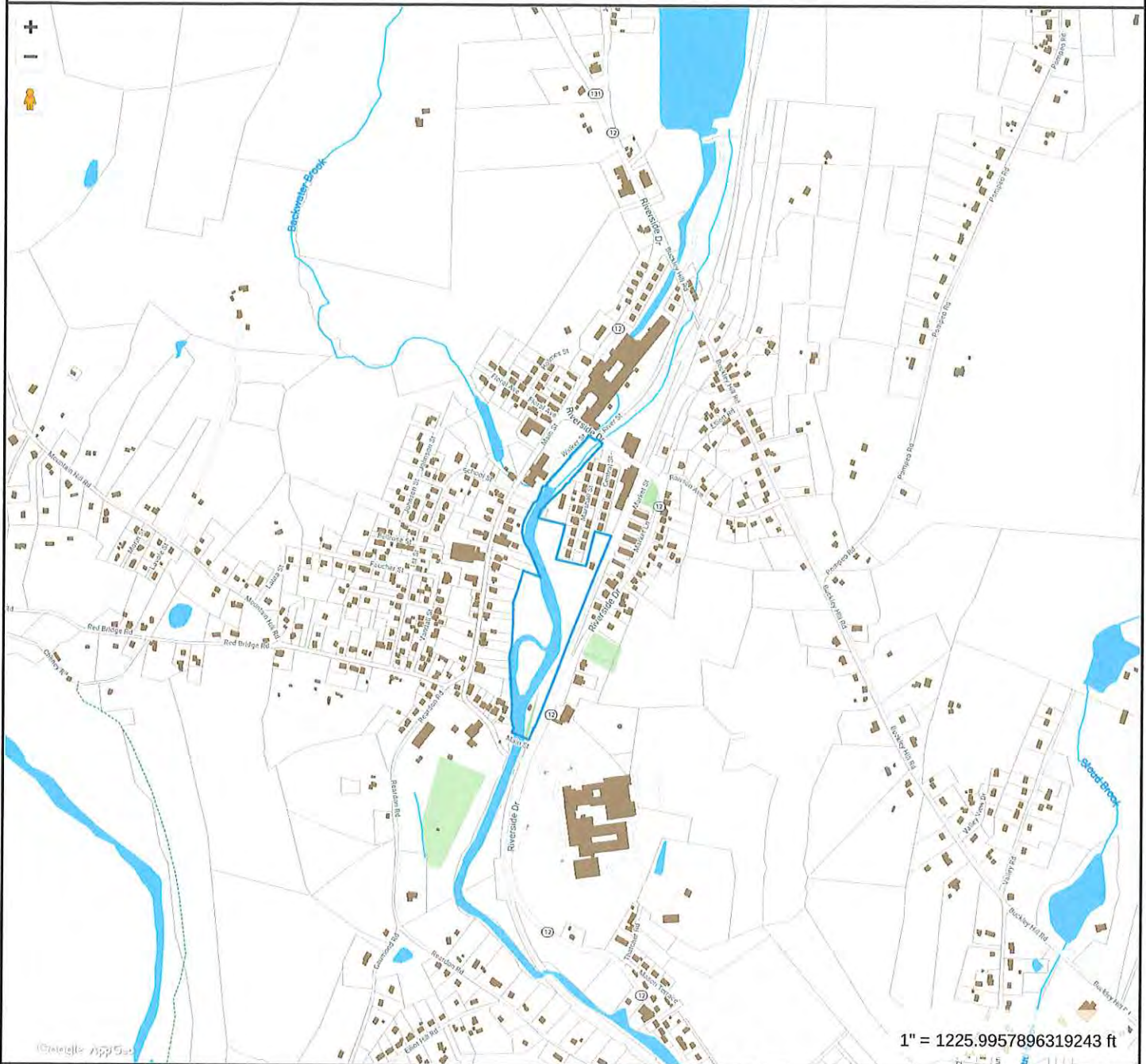
Agency Response:

IWC Chair Signature:

Date:

<sup>1</sup> If owner is (1) a corporation, then signature is required to be by a principal executive officer of at least the level of vice president, (2) a limited liability company (LLC), then signature is required to be by a manager, if management of the LLC is vested in a manager(s) in accordance with the company's "Articles of Organization", or a member of the LLC if no authority is vested in a manager(s), (3) a partnership, then signature is required by a general partner, (4) the Town of Thompson, then signature is required by the First Selectman, (5) any other municipality, the signature is required by a ranking elected official, or by other representatives of such applicant authorized by law, and (6) a sole proprietor, then signature is required by the proprietor.



**Property Information**

**Property ID** 5350  
**Location** 35 MARSHALL ST  
**Owner** THOMPSON TOWN OF

Received

SEP 09 2021

Thompson Wetlands Office

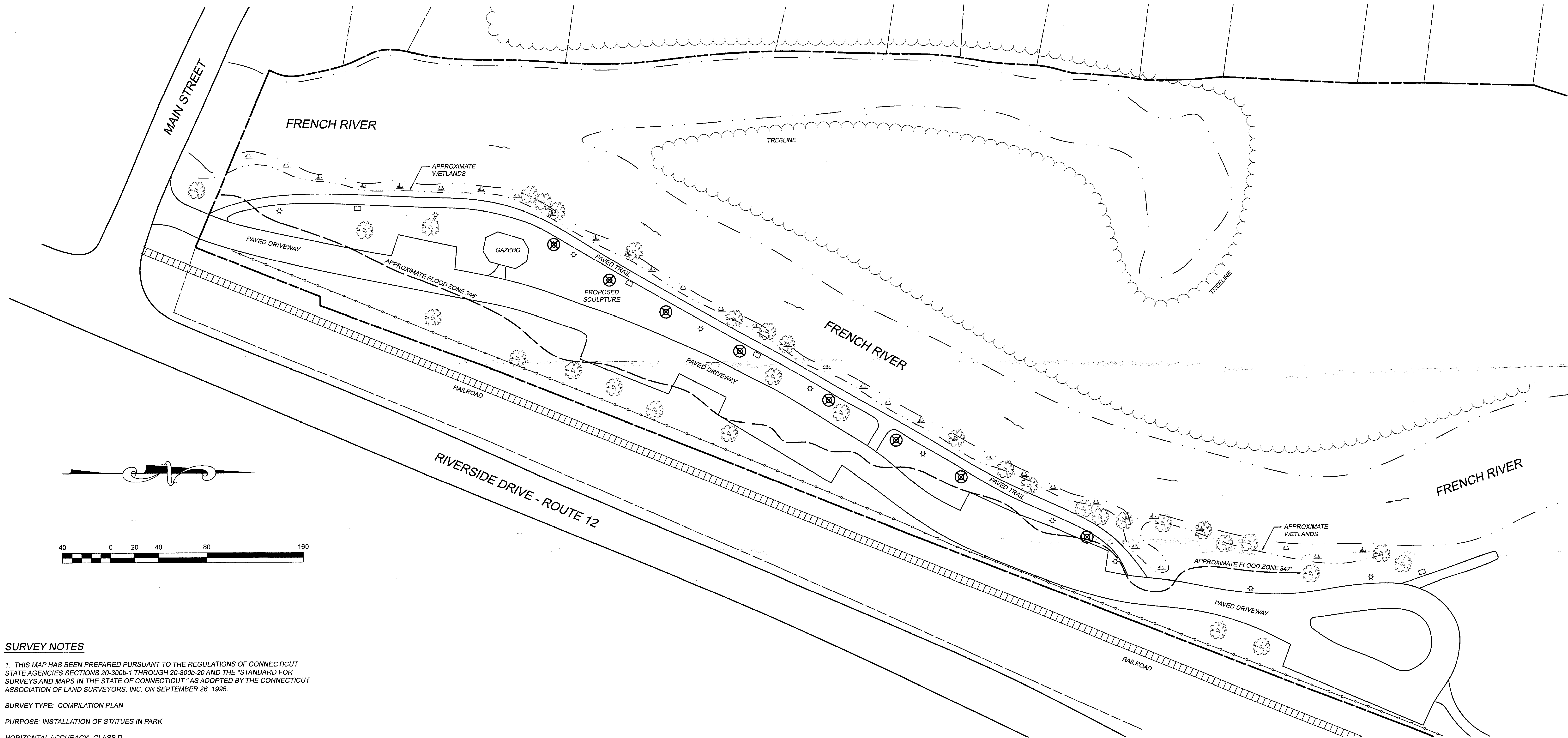
**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

Town of Thompson, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated September 21, 2020  
Data updated March 20, 2019

Print map scale is approximate.  
Critical layout or measurement  
activities should not be done using  
this resource.





#### SURVEY NOTES

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

SURVEY TYPE: COMPILATION PLAN

PURPOSE: INSTALLATION OF STATUES IN PARK

HORIZONTAL ACCURACY: CLASS D

THIS PLAN WAS COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.

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

*Dennis R. Blanchette* 9/9/21 12107  
DENNIS R. BLANCHETTE DATE LICENSE  
NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE  
© 2021 J&D CIVIL ENGINEERS, LLC

#### CONSTRUCTION NOTES

1. UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS PLAN AND MAY EXIST ON SITE. THE CONTRACTOR SHALL NOTIFY CALL BEFORE YOU DIG, AND CONFIRM THE LOCATION AND DEPTH OF ANY PIPES, CABLES, CONDUITS, ETC BEFORE ANY EXCAVATION IS PERFORMED.

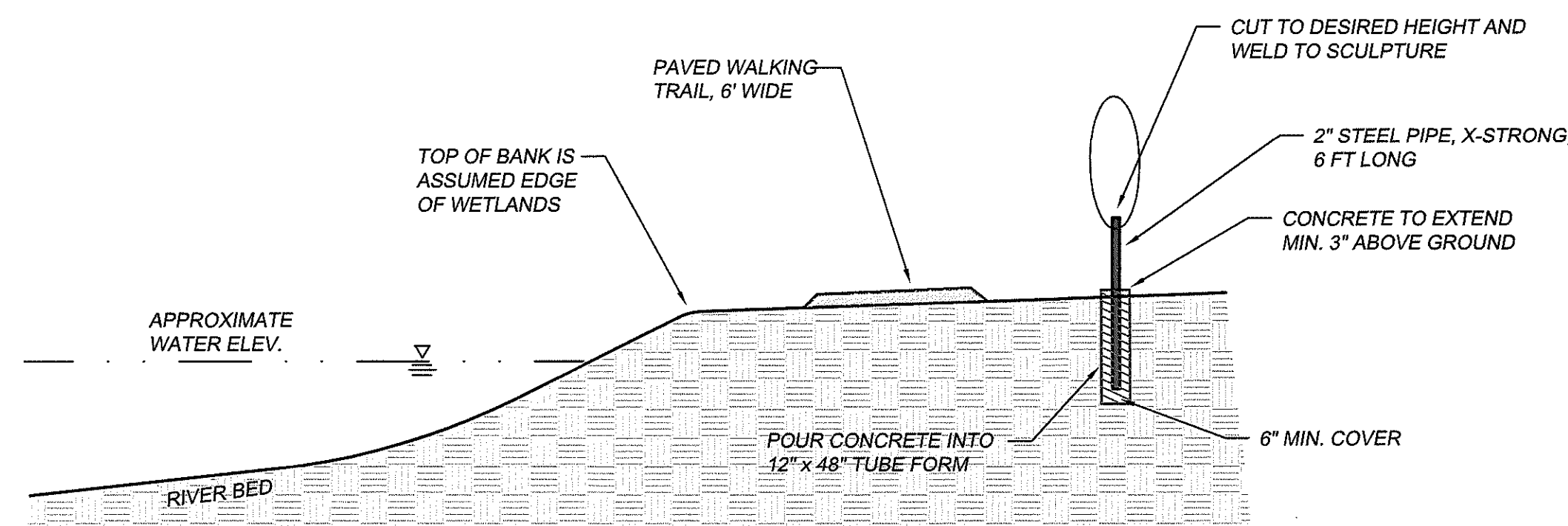
2. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM, AND STABILIZED WITH LOAM AND SEED AS SOON AS POSSIBLE.

3. CONSTRUCTION SEQUENCE SHALL BE AS FOLLOWS

- MARK LOCATION OF PROPOSED PIER FOUNDATIONS
- EXCAVATE HOLE USING AUGER OR SMALL BACKHOE
- INSTALL TUBE FORM AND STEEL PIPE, AND POUR CONCRETE
- BACKFILL EXCAVATION AS NECESSARY

4. EACH SCULPTURE SHALL HAVE AT LEAST 2 PIER FOUNDATIONS

5. THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO THE PROPOSED SCULPTURE LOCATIONS AS NECESSARY.



PIER DETAIL FOR SCULPTURES  
SCALE: 1" = 5'

#### LEGEND

|  |                          |
|--|--------------------------|
|  | PROPOSED STATUE LOCATION |
|  | WETLAND SOILS            |
|  | LIGHT POLE               |
|  | FLOOD ZONE A             |
|  | EDGE OF WETLANDS         |
|  | EDGE OF WATER            |
|  | FENCE                    |
|  | EXISTING PROPERTY LINE   |
|  | TREELINE                 |

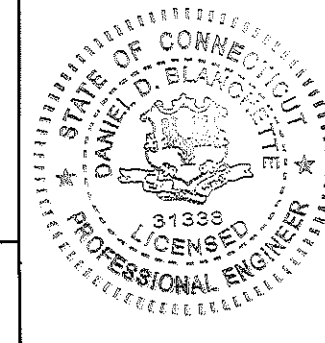
#### FLOOD ZONE NOTES

PROPERTY IS WITHIN 100 YEAR FLOOD ZONE PER FIRM MAP 090117-0004-B, DATED NOVEMBER 1, 1984.

#### SITE DEVELOPMENT PLAN

PREPARED FOR  
**THE TOWN OF THOMPSON**  
RIVERSIDE PARK - THOMPSON, CT  
MAP 169 BLOCK 92 LOT 13

**J&D** CIVIL ENGINEERS, LLC  
401 RAVENELLE ROAD  
N. GROSVENORDALE, CT 06255  
860-923-2920



DESIGNED: DDB  
CHECKED: JJB

REVISIONS:

JOB NO: 21246  
SCALE: 1" = 40'

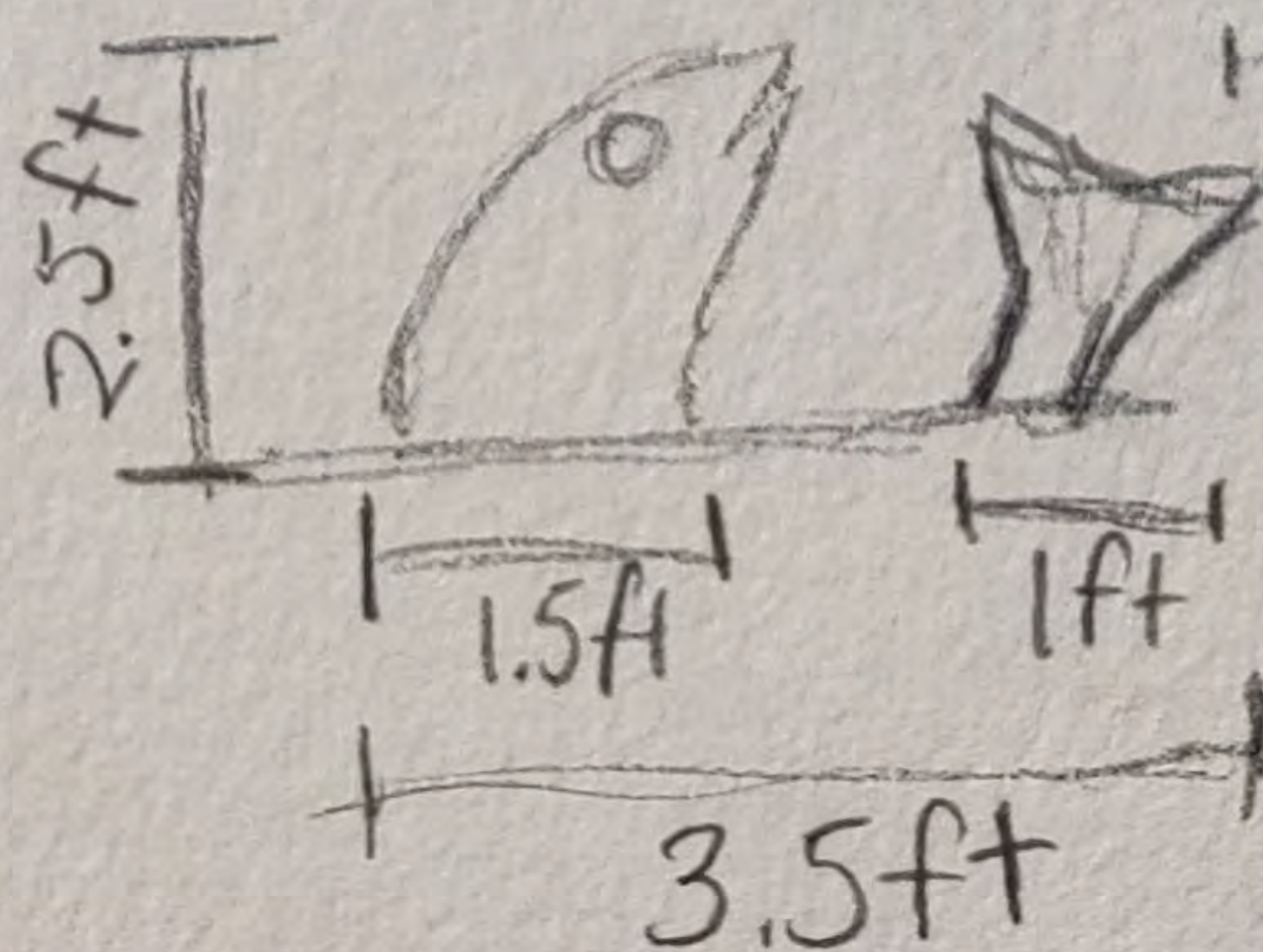
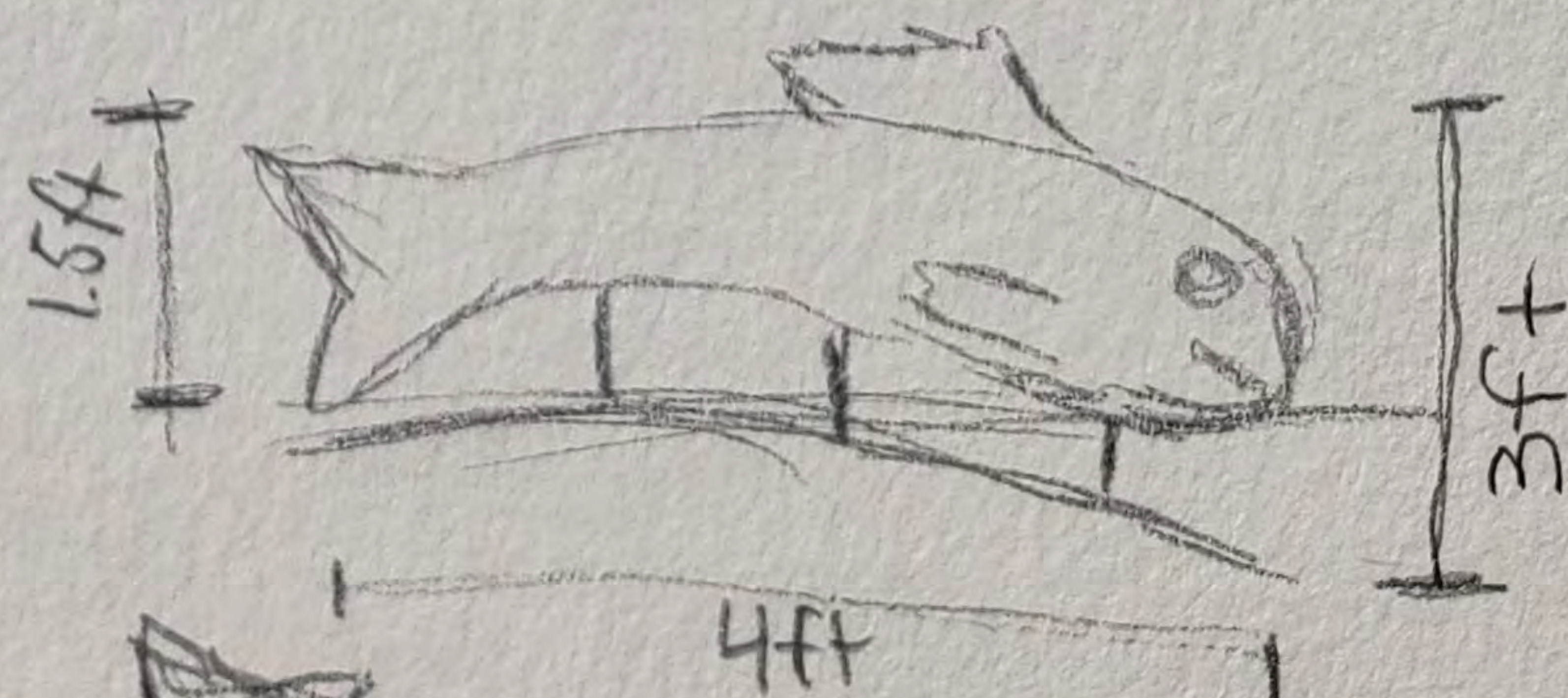
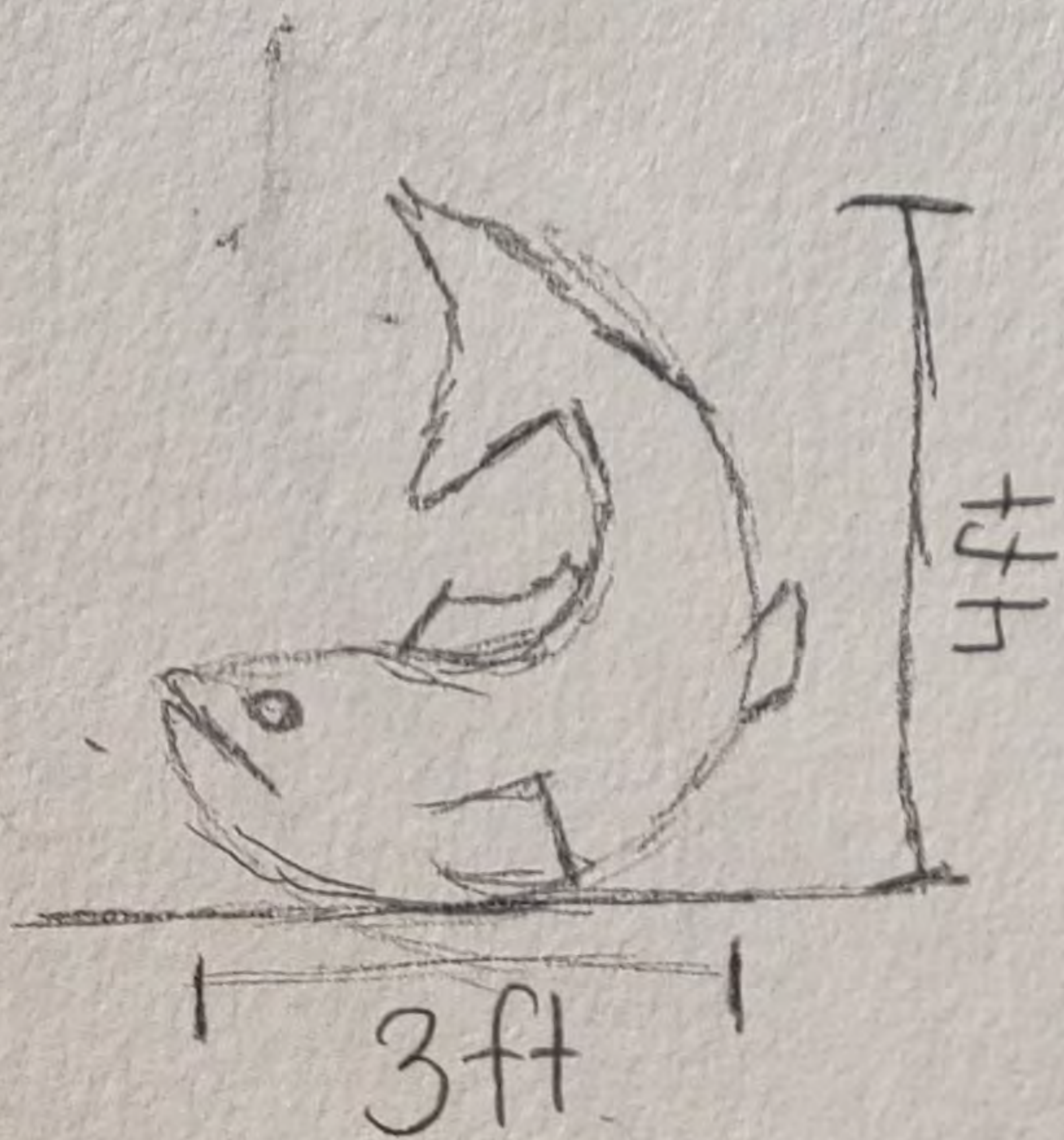
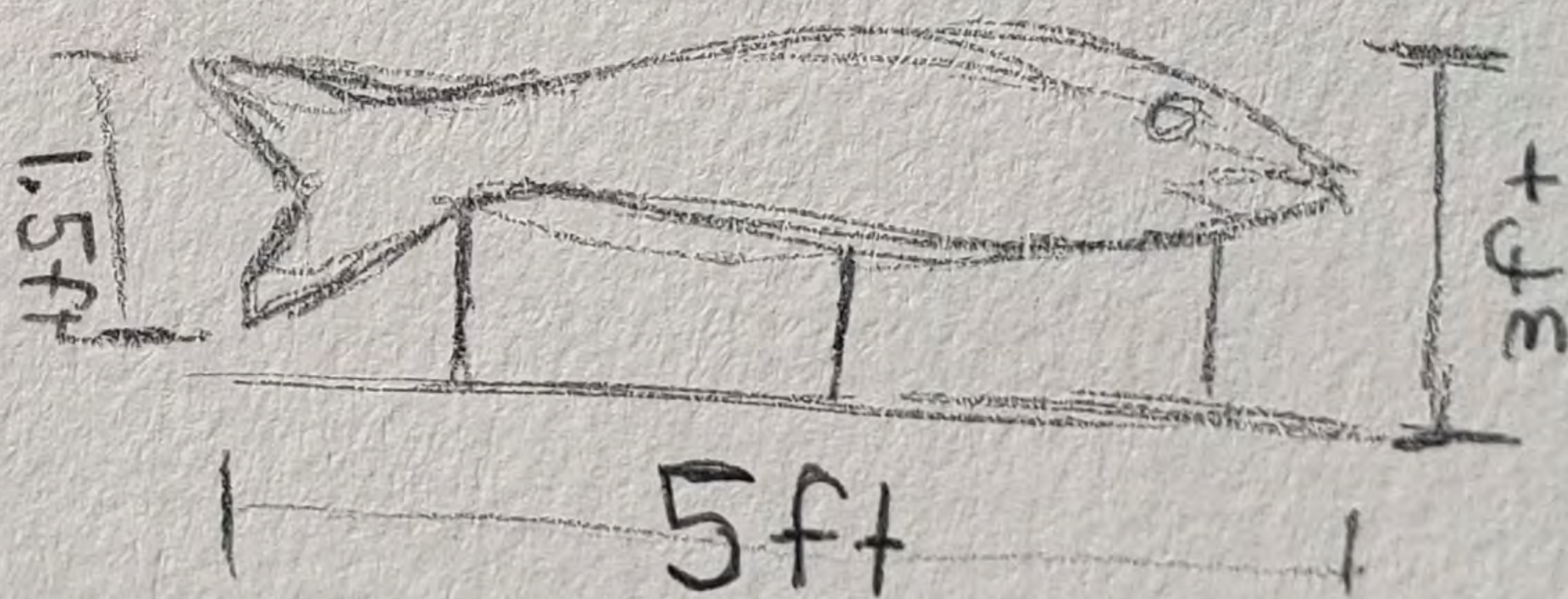
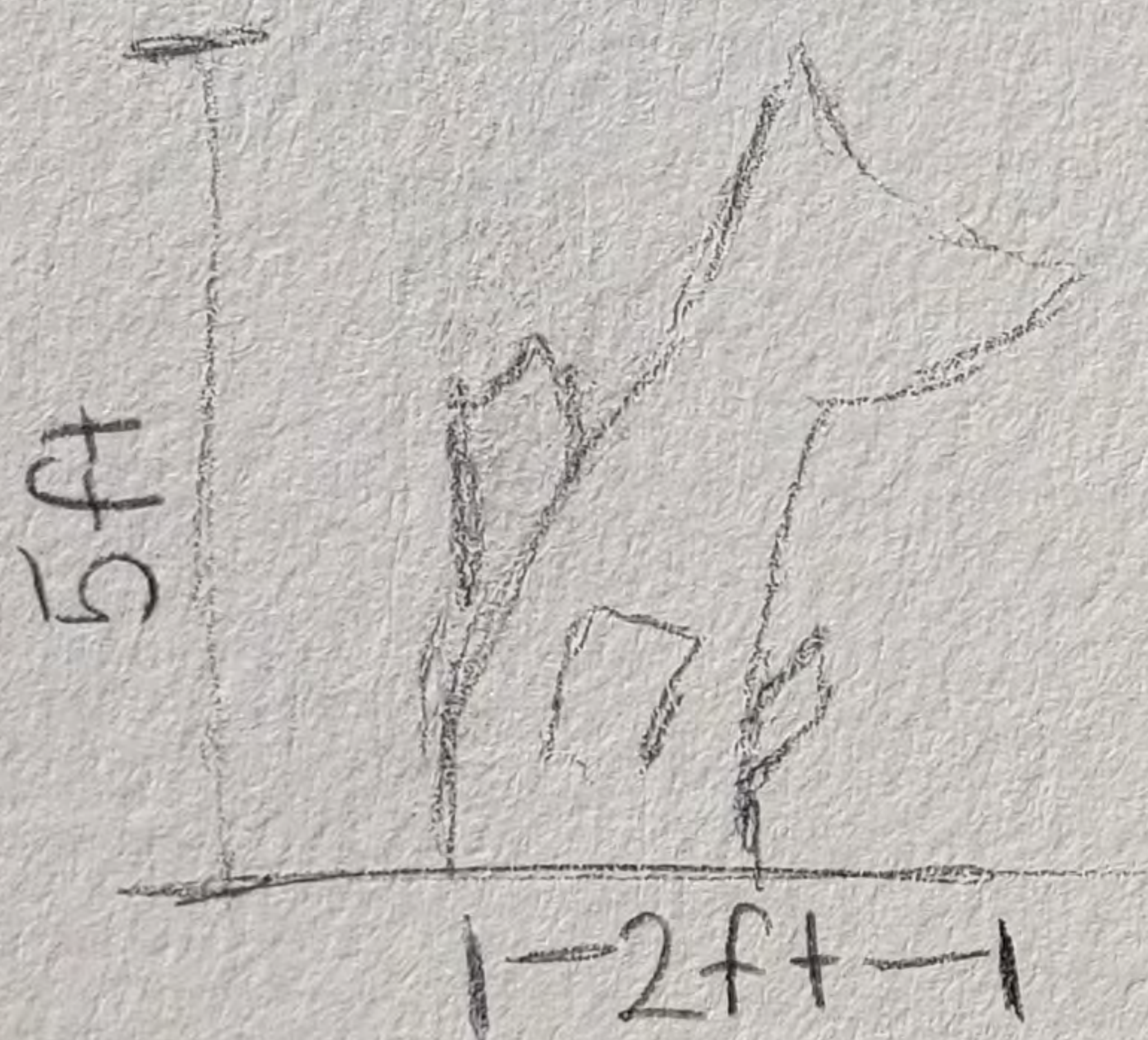
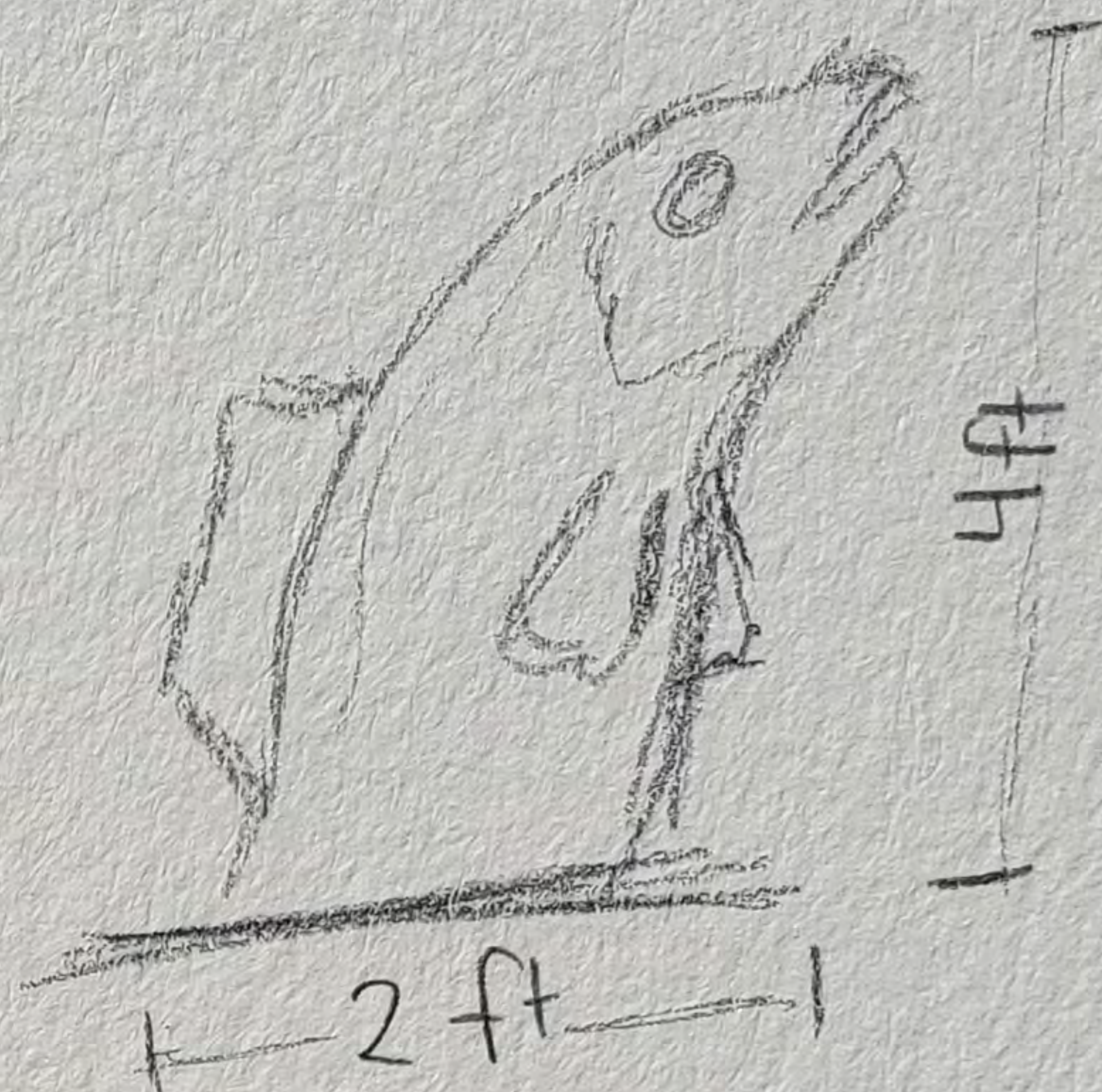
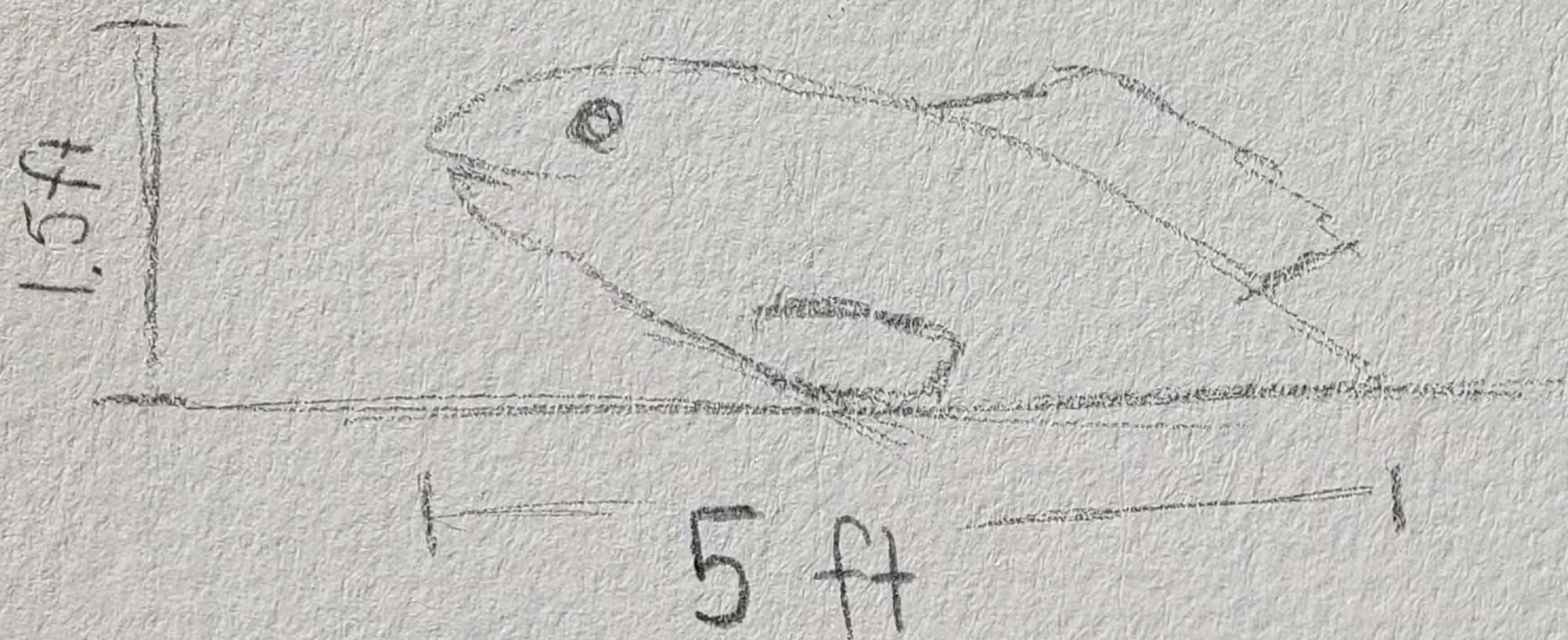
DATE: SEPTEMBER 7, 2021  
SHEET: 1 OF 1

Received  
SEP 09 2021  
Thompson Wetlands Office

Appl DEC 21 2021 copy 1



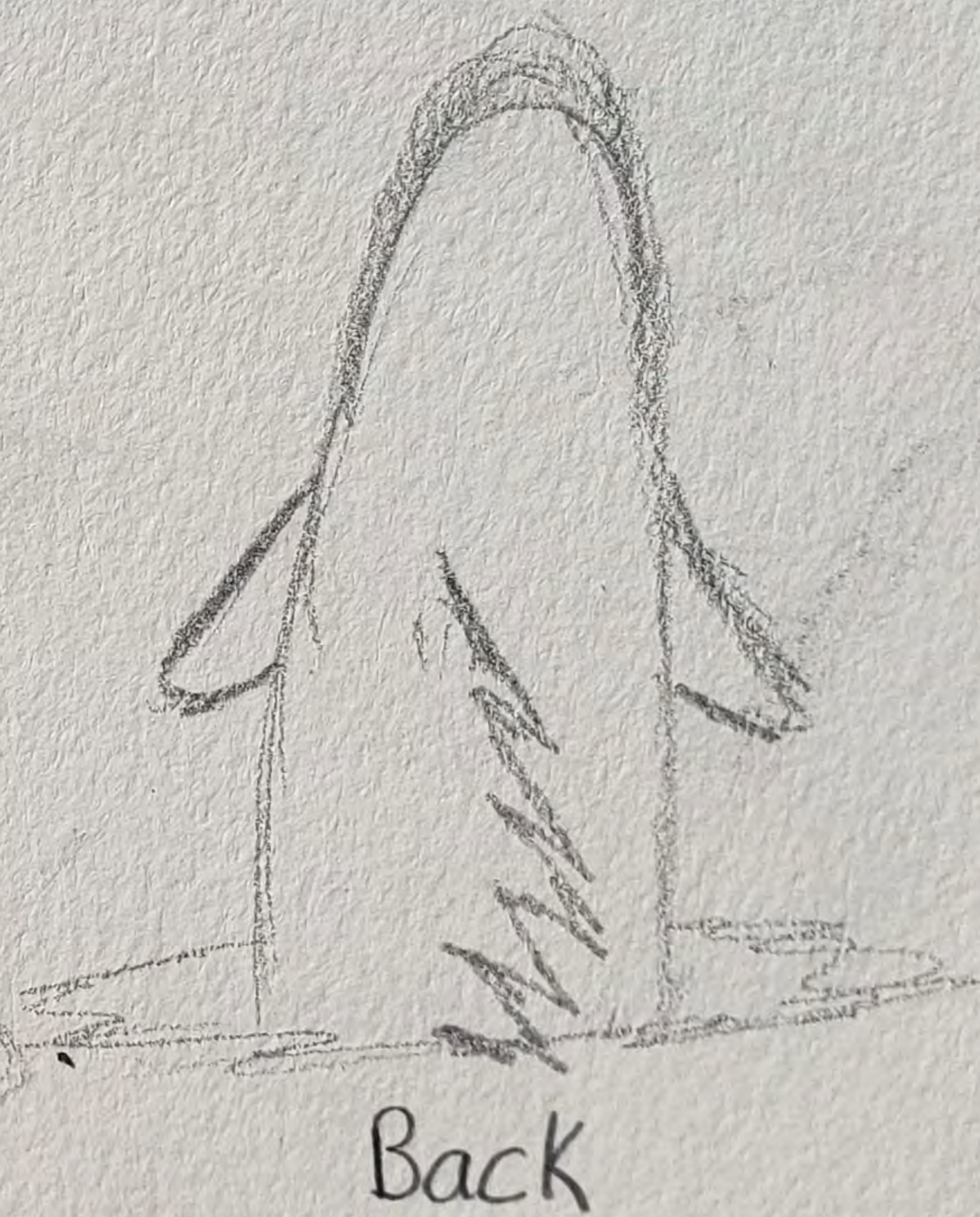
# Position + Measurement Estimates



$$\frac{12}{60} = \frac{2.4}{x} \times 12$$



Smallmouth  
Bass

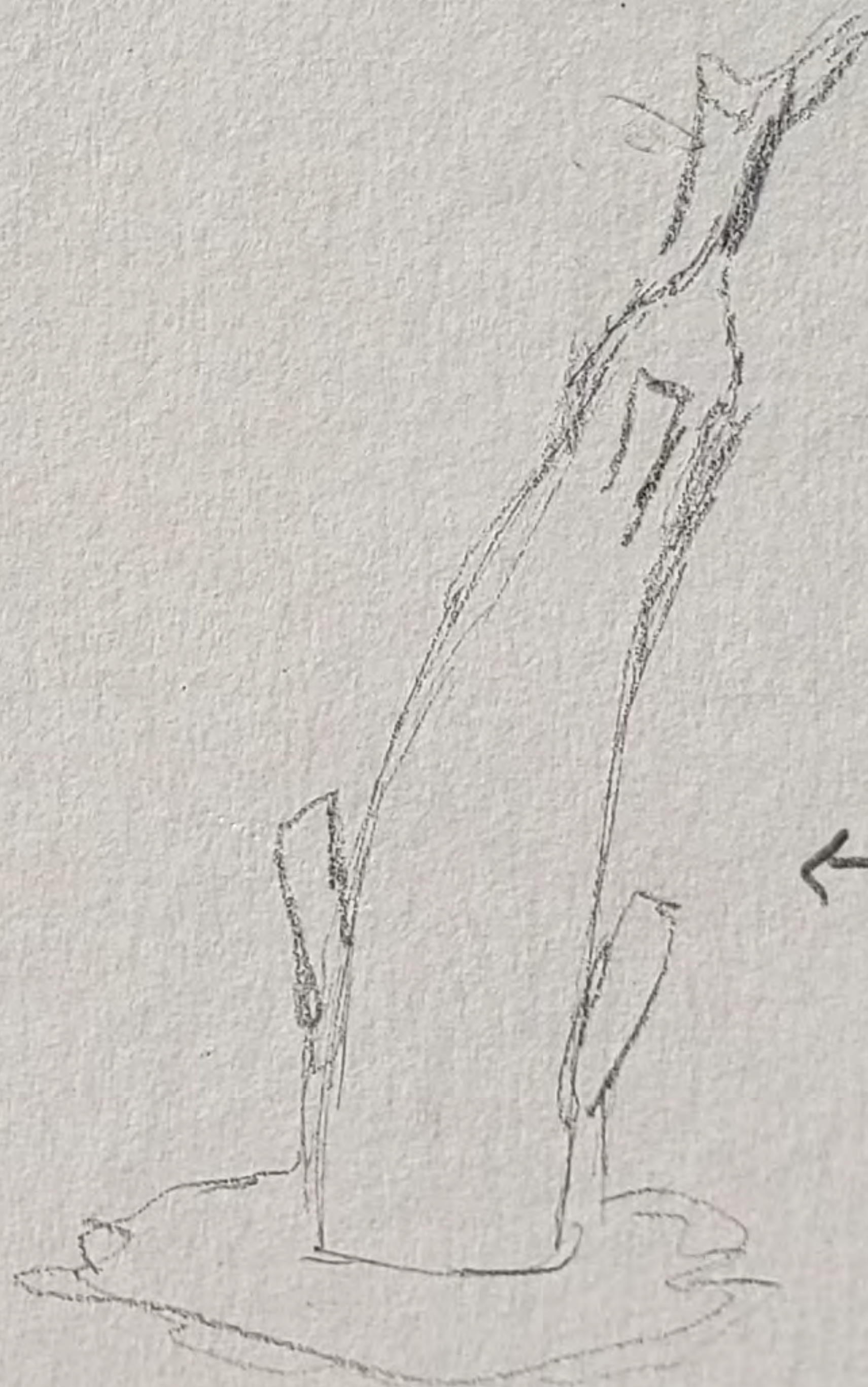


4/7





↑  
L. Side



↑  
Belly

Brown  
Trout



E.c) Applications Received After Agenda was Published



F.a) Permit Extensions / Changes - None



## Agenda Item G.a) Violations & Pending Enforcement Actions

**Notice of Violation VIOL21019**, LIS Properties, L.L.C., 715 Riverside Dr. (Assessor's map 63, block 58, Lot 23), unauthorized structures diverting watercourse, flooding Thatcher Rd. & Riverside Dr., issued 7/7/21, request remove or response by 7/13/21 - status.



## Agenda Item G.b) Violations & Pending Enforcement Actions

**Notice of Violation VIOL21023**, Jamie Piette, 0 & 73 Center Street (Assessor's map16, block X, lots H & 2), unauthorized construction of retaining wall and associated backfill in or near Little Pond, issued 8/24/21, instruct cease further work, by 9/8/21 submit schedule for submission of A-2 survey and attend IWC meeting.



## 0 & 73 Center Street

circa 4/2001

### Legend

 73 Center St

 73 Center St

Google Earth

Image U.S. Geological Survey



100 ft



## MapGeo 0 &amp; 73 Center St circa 2004

**Property Information**

Property ID 3187  
Location 0 CENTER ST  
Owner PIETTE JAMIE

**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

Town of Thompson, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated September 21, 2020  
Data updated March 20, 2019

Print map scale is approximate.  
Critical layout or measurement  
activities should not be done using  
this resource.



# 0 & 73 Center Street

circa 5/2015

## Legend

 73 Center St

 73 Center St



300 ft

Google Earth

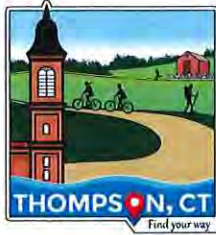












**TOWN OF  
THOMPSON**  
Inland Wetlands Commission

815 Riverside Drive  
P.O. Box 899  
North Grosvenordale, CT 06255  
Phone: 860-923-1852, Ext. 1  
Email: [wetlands@thompsonct.org](mailto:wetlands@thompsonct.org)  
Web: <https://www.thompsonct.org/>

---

**NOTICE OF VIOLATION**

August 24, 2021

Jamie Piette  
73 Center Street  
Thompson, CT 06277

RE: **Violation VIOL21023**  
0 & 73 Center Street  
Assessor's Map 116, Block X, Lots H & 2

Dear Jamie Piette,

On August 9, 2021 in response to my receipt of photographic evidence that a retaining wall was under construction at your property known as 0 & 73 Center Street I called you and left a message regarding this activity with a request for a call back. In less than an hour I received a phone call from Joseph Patterson, who claimed to be the contractor performing the work. He said you had contacted him to respond to my voice message. He said he was removing an existing concrete block wall and using the old wall footing for the construction of a new prefabricated concrete wall because the old wall was beginning to failing into Little Pond. He was advised to cease any further work a work and seek a permit for the completion of the work. He was further advised that any application would need an A-2 survey of the property boundaries to verify that the wall was located on your property. He suggested that he would be in contact with J&D Civil Engineers to develop the necessary plans.

On August 21, 2021, I received an email stating work on the retaining wall was continuing including backfilling of the wall. On August 23, 2021 I made a site visit. I observed a new concrete retaining wall and fresh backfill extending into Little Pond.

A review of aerial photography reveals that the former retaining was built sometime between 2001 and 2004 prior to your ownership of the property. According to Record Drawing 171 filed in the Thomson Land Records and referenced in your deed it appears that the former retaining wall was not located on the property you purchased in 2017 (see Volume 899, Page 182 of the Land Records).

No valid permit exists for either the initial construction or for the reconstruction of this retaining wall and associated backfill in or near Little Pond. Consequently, the retaining wall and associated fill exists in violation of section 6 of the Inland Wetlands and Watercourses Regulation of the Town of Thompson.

You are instructed to:

- (1) cease any further earthmoving or construction work in Little Pond or within 100 feet of Little Pond,
- (2) by September 8, 2021 submit in writing a schedule for the submission of an A-2 survey for your property boundaries as indicated on Record drawing 171 filed in the Thompson Land Records as



- “Lot H” and “Omer Allard” and the location of any structures with 100 feet of Little Pond, and  
(3) attend the next regularly scheduled meeting of the Thompson Inland Wetlands Commission to discuss these activities on your property. This meeting will be held virtually on Tuesday September 14, 2021 at 7:00 p.m. via ZOOM with the ZOOM link found in the Inland Wetlands Commission meeting agenda to be posted on the Thompson’s webpage no later than September 13, 2021.

If you cannot attend this meeting or wish to discuss this matter with me before the next Inland Wetlands Commission meeting please contact me at 860-923-1852. I am usually in the office on Monday mornings.

Please be prepared to provide an explanation as to why regulated activities are occurring on this property without the benefit of a valid wetlands permit.

Failure to comply with this notice may result in the issuance of a Cease and Desist Order, which if issued will be filed in the permanent land records in the Town of Thompson, and which will encumber your deed until the violation is resolved.

I appreciate your cooperation in this matter.

Sincerely



Marla Butts  
Wetlands Agent

File: Notice of Violation 73 Center Street Jamie Piette

cc: Thompson Building Official  
Little Pond Improvement Association, Inc.



[Reply](#)[Forward](#)[Delete](#)**Re: violation VIOL21023****Date:** 09/07/2021 (07:42:57 PM CDT)**From:** [Jamie Piette](#)**To:** [mbutts](#) [Text \(2 KB\)](#)**To:** Town of Thompson Inland Wetlands Commission**Re:** Violation VIOL21023

0 &amp; 73 Center St

Assessor's Map 116, Block X, Lots H &amp; 2

I would like to start by apologizing for violating the wetlands regulations. The retaining wall in violation was crumbling and we felt it was posing a danger to swimmers who often go in front of it as well as posing risk of water debris contamination if left untreated, it was for these reasons we initiated the repair in the first place. We did start repairing the wall without permits because we were under the impression permits were only required for new builds. After work was started we did get notification from you we would need to stop and obtain A2 survey/permit to complete. We did stop repairs at that time to seek these out, which we were told would be months away. We did proceed to complete repairs without the permit/A2 survey due to liability concerns related to near injury of falling debris from old wall on or near two swimmers in the pond as well as impending hurricane/large amounts of rain that were expected in the area, which we felt would certainly cause debris contamination of the pond and possibly bodily harm to swimmers.

The wall is currently secure and we feel no longer poses any risks to swimmers or pond contamination, which was our only goal. We have not done any further work on it up to this point and do not plan to until the proper permit/A2 survey is complete. Greg Glaude from Killingly Engineering will be doing the survey. Again, we sincerely apologize, but hope you understand why we proceeded to secure repairs in urgent manner.

Thank you,  
Jamie Piette  
Joseph Patterson

Sent from my iPhone



## Agenda Item H Other Business

- a) Temporary appointment of Dan Malo, Thompson Conservation Agent, to act as wetlands agent for enforcement actions only over the next several months during the absence of Wetlands Agent Marla Butts.



## Dan Malo

---

**From:** Winther, Darcy <Darcy.Winther@ct.gov>  
**Sent:** Thursday, September 2, 2021 12:59 PM  
**To:** Dan Malo  
**Subject:** RE: Records for Inland Wetland & Watercourses Training Certification?

**Importance:** High

Good afternoon Dan,

Sorry for the delayed response! Yes, I have copies of all issued DEEP Municipal Inland Wetlands Agency Comprehensive Training Program certificates since 1996. I reviewed my student records and I confirm that you completed the comprehensive training program online course in 2016, representing the Town of Windsor Locks. You received a paper certificate of program completion, signed by the DEEP Commissioner. I can PDF the copy of your certificate and email to you. However, we are still primarily teleworking so my hours in the office are very limited. In addition, this past week the building was closed due to a malfunctioning heating/cooling system. I hope the issue is resolved by next week as I intend to be at the DEEP office on Tuesday. As soon as I am in the office, I will forward your certificate. In the meantime, please consider this email confirmation that you completed the 2016 DEEP Municipal Inland Wetlands Agency Comprehensive Training Program.

If you have any questions please do not hesitate to ask.

Best,

Darcy

---

*Darcy Winther*

Inland Wetlands Management Program  
Land and Water Resources Division  
Bureau of Water Protection and Land Reuse  
Connecticut Department of Energy and Environmental Protection  
79 Elm Street, Hartford, CT 06106-5127  
P: 860.424.3019 | F: 860.424.4054 | E: [darcy.winther@ct.gov](mailto:darcy.winther@ct.gov)  
[www.ct.gov/deep/inlandwetlands](http://www.ct.gov/deep/inlandwetlands)

marla- 9/3/21  
A certificate is  
on the way -  
All the best - Dan



Connecticut Department of  
**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

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[www.ct.gov/deep](http://www.ct.gov/deep)

*Conserving, improving and protecting our natural resources and environment;  
Ensuring a clean, affordable, reliable, and sustainable energy supply.*



## Agenda Item I Reports

1 Budget & Expenditures

2 Wetlands Agent Report



Agenda Item J, Correspondence - None

Agenda Item K, Signing of Mylars - None

Agenda Item L, Comments by Commissioners

Agenda Item M, Adjournment