

INLAND WETLANDS COMMISSION
TUESDAY, March 9, 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 February 9, 2021



RECEIVED
TOWN OF THOMPSON, CT.

2021 FEB 10 P 2: 34
Linda Paradise
Asst TOWN CLERK

Town of Thompson
Inland Wetlands Commission
815 Riverside Drive
North Grosvenordale, CT 06255
(860) 923-1852 (Office)

INLAND WETLANDS COMMISSION
TUESDAY, February 9, 2021 7:00PM
ZOOM Virtual Meeting Minutes

See last page for Zoom recording link

- A) Call to Order & Roll Call – The call to order was by Chair George O'Neil at 7:05PM via Zoom.
Present: Chair George O'Neill, Marla Butts; Wetlands Agent, H. Charles Obert; Vice-Chair, Diane Chapin; Treasurer, Francesca Morano; Commissioner, Amy St. Onge; First Selectman, Ashley Pomes; Recording Secretary
Others Present: Janet Blanchette; J&D Civil Engineers, Daniel Blanchette; J&D Civil Engineers, Macy Rawson, Joe Przybylek, Marc Baer
- B) Appointment of Alternates - None
- C) Action on Minutes of Previous Meeting
- a) Minutes of January 12, 2021 – **A motion to accept the minutes was made by C. Obert seconded by D. Chapin. All in favor.**
- D) Citizens Comments on Agenda Items – None
- E) Applications
- a) Old Applications
1. **WAA20031**, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's map 103, block 31, lot 6K, subdivision lot 11), driveway and grading for new single-family home, stamped received 8/3/2020, issued 1/19/2021, legal notice published 1/29/2021, appeal period ends 2/13/2021. – There have been no requests for any appeals.
 2. **WAA20033**, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's map 103, block 31, lot 6R, subdivision lot 18), septic system for new single-family home, stamped received 8/12/2020, on hold pending acceptable language for drainage easement. – Per M. Butts, the language for the easement was filed a year ago, she was unclear on whether or not it was acceptable, so she had the Town attorney take a look at it. They came up with some modified language and M. Butts will be forwarding that to the applicant. As soon as the modified language is filed on the land record, she will be issuing a Wetlands Agent Approval.
 3. **WAA20040**, Laura Hauser, 31 Center St. (Assessor's map 116, block X, lot 8), reconstruction of a single family home in 100-foot upland review area for Little Pond, stamped received by the Town Clerk 9/18/2020 and 10/5/2020 by the Wetlands Office, issued 1/14/2021, legal notice published 1/22/2021, appeal period ends 2/6//2021. – The appeal period has ended with no appeals being issued.
 4. **WAA20043**, Gary Rawson, 0 Logee Rd. (Assessor's map 141, block 17, lot E), construction of a new single family home in the 100-foot upland review area for Quaddick Reservoir, stamped received 10/29/ 2020, issued 2/5/2021, legal notice

to be published 2/5/2021, appeal period ends 2/20/2021. – This was only published last Friday, no appeals as of now, just waiting on the end of the appeal period.

5. **WAA20046**, Fred & Josee Rogers, 0 New Road (Assessor's map 154, block 3, lot 2C), construction of a septic system in the upland review area for a new single family home, stamped received 11/12/2020, on hold pending receipt of NDDH approval of septic design. – This is on hold pending NDDH approval.
6. **WAA20047** – Town of Thompson, Riverside Drive from Route 200 to Rawson Ave (Maps 61, 63 & 174), reconstruction of sidewalks in DOT right-of-way, received 12/21/2020, issued 1/25/2021, legal notice to be published 2/5/2021, appeal period ends 2/20/2021. – There have been no appeals yet, appeal period is still active.
7. **IWA21002** – Lisa M. Audette, 0 Robbins Road (map 87, block 53, lot 8A-1), grading and construction of stone ford across an intermittent watercourse / wetland to develop an access for pedestrian and tractor use associated with the construction of a proposed new daycare facility, received by Town Clerk 1/8/21, statutorily received 1/12/2021. – Janet Blanchette of J&D Civil Engineers is present to discuss the application. In 2009 a septic system and well were constructed on this property, it was recently sold to Ms. Audette to build a day care and she would like to create an area for outdoor education for the children. In order to access the field/meadow area, it is necessary to cross an intermittent water course. There is a large DOT drainage pipe that outlets into a flat grassy plain. The water just runs off, there is no defined banks of the watercourse. Ms. Blanchette recommends a trail crossing of crushed stone for children to be able to have a firm ground to walk across to get to the field area. M. Butts comments there may need to be additional erosion and sediment controls during the construction depending on what time of the year the construction occurs, that is her only concern on this project. **A motion to approve IWA21002 to make the crossing in the upland review area as specified in the drawing is made by C. Obert, seconded by F. Morano. All in favor.**

b) New Applications - None

c) Applications Received After Agenda was Published –

WAA21003, Gary Rawson, 3 & 4 Logee Rd. (Assessors Map 141, block 17, lots 184AAB & 184AAC), remove stumps, level soil & plant grass, stamped received 2/8/2021, under review. – M. Butts says this is actually on two different properties, the other property is the brother of the applicant and he has signed the paperwork giving permission for this work. It is all in the upland review area, M. butts gave permission for cutting trees prior to the approval but no stump removal or anything further without the approval. This is currently under review and nothing additional is needed by the Commission at this time.

F) Permit Extensions / Changes

- a) **IWA20022**, Marc Baer, 1227 Thompson Rd., Assessor's map 116, block 24, lot 10, construct house, well, septic system, driveway and associated grading, request to authorize additional modifications to approved plans as shown on plans entitled "Site Development Plan Prepared for Mark Baer 1227 Thompson Road – Thompson, CT" prepared by J&D Civil Engineers, LLC (sheet 1 of 2) dated June 15, 2020, revised 2021-01-13 Move House, received via email by the Wetlands Office 1/14/2021. – Daniel Blanchette of J&D Civil Engineers is present to discuss this item. He discusses the original

plans, he states as the contractor was doing excavation to build the house, he could not maintain the 2:1 slope and keep it stable, it was starting to cave in. They have raised the house and shifted it to the south to solve this problem. The walkout was raised by 3 feet and shifted to the south 25 feet so that on a temporary basis the contractor could maintain that very steep slope while he is working. The house is a few inches further away from the shore, all of the shoreline work is now completed and came out very well. This also shortened the length of the driveway; the turnaround was moved to the street side instead of the shoreside. The septic tanks were also raised 3 feet to make them work with this new location. C. Obert asks M. Butts if she is satisfied with how this project looks, M. Butts answers she has not been out to the site in at least a month and a half, but this looks like a better approach. **A motion is made by C. Obert to approve the modification as outlined, seconded by F. Morano. All in favor.**

A motion made by C. Obert seconded by D. Chapin to amend the agenda to include agenda item F) b) Permit Transfer WAA20045. All in favor.

- b) **Permit Transfer WAA20045** to George & Karen Marrier from James Fogarty. Approval **WAA20045** issued 12/3/2020 for construction of a driveway in the 100-foot upland review area for a new single family home at 0 Brickyard Rd. (Assesors map 38, block 87, lot 6). – Per M. Butts, because there has been no initiation of construction, she has no problem approving the permit. She has spoken with Mr. Marrier and he is not anticipating the start of construction for at least a couple of months. **A motion is made by C. Obert, seconded by D. Chapin, to approve the permit transfer. All in favor.**
- G) Violations & Pending Enforcement Actions – There have been no changes on the status on any of these 3 violations, with the snow on the ground now there is not much M. Butts will be able to do right now to review these.
- a) **Cease & Restore Order VIOL20003** Scott Josey, 637 East Thompson Road, Assessor's map 154, block 5, lot 14: filling of wetlands and work within 100-foot upland review area, issued 3/5/2020, status of compliance with Cease & Restore Order. – Review on hold pending weather.
- b) **VIOL20013**, Adrienne Martin and Joseph Fagan, 208 Linehouse Rd, Assessor's map 36, block 70, lot 4, clearcutting of trees and earth moving work in 100-foot upland review area, status of compliance with Notice of Violation issued 5/14/2020 to remove the slash, pull back the soil along the eastern property boundary. – Review on hold pending weather.
- c) **VIOL20033**, Jennifer Burlingame & Robert Lemieux, Jr., 480 Quaddick Town Farm Rd., Assessor's map 158, block 20, lot 8K, filling / earthmoving within 100-foot upland review area and possibly within delineated wetlands. Status of Notice of Violation issued 8/6/2020. – Review on hold pending weather.
- H) Other Business
- a) FY21-22 Budget Request – M. Butts presents the Commission with the previous budgets for fiscal years 17/18, 18/19, 19/20 and 20/21. She explains all of the line items to the Commission and which funds were expended, which ones were not used and which ones had gone over their budget. There is a discussion between M. Butts and the Commission members about expenses in the previous budgets compared to the expenses that will be expected for this budget. There is a discussion about the increase in advertising costs and how they have gone over their budget for advertising the last few years. Since the Commission has not been meeting in person due to Covid it was discussed moving funds set aside for travel and meeting expenses into the advertising funds. She also talks about when she retires, how the Commission will replace her, if they would like to hire someone

that is more of a novice at a lesser pay scale and she could still be available on an hourly basis to educate as needed. The Commission decides to take 50% of the funds budgeted for travel and change the amount from \$50 down to \$25 and also take 75% of the funds aside for meetings and change that total to \$25 from \$100. That will give an additional \$100 to add into the advertising budget for a total advertising budget of \$700 now. **A motion is made by C. Obert, seconded by F. Morano, to accept the proposed changes to the budget. All in favor**

- b) Discussion on review of Thompson Wetland Inventory – Maps were included in the Zoom documents and shared on the screen. There is discussion between M. Butts and the Commission about the wetlands maps that the National Diversity Database uses versus the maps that were used in the draft of the PoCD. The Thompson Wetlands Inventory map were originally done in 1980, it may be time the inventory is updated. M. Butts asks for the Commissions input on whether they think there should be another study done. C. Obert says yes, they should start to plan for this and reach out to UCONN and Yale and see if they have any grad students who may be interested in doing some of the work or look into what other options there might be for this. M. Butts says she will reach out to some contacts, she will talk to the Eastern Connecticut Conservation District, they are working with the Yale School of Forestry. She will also look into low cost or no cost options as well.
- c) Permit Conditions to Ensure Compliance –
 - 1. Procedures to Minimize Water Encroachments during Shoreline Construction - M. Butts has proposed language for Wetlands permits involving retaining walls/revetments proposed along property boundaries (shorelines and otherwise). The proposed language is as follows: Move to approve (application information) on the condition that prior to the initiation of any earthmoving work associated with the construction of any proposed retaining walls/revetments within 5 feet of any property boundary line, a land surveyor licensed to practice in CT shall stake out such property boundary and such staking shall be maintained during construction of the retaining wall/revetment and until such time as the Commission confirms in writing that such construction is complete.
 - 2. Bonding Options by IWC – M. Butts did some research to find out about different bond options and how the amounts are paid, how to determine when bond funds can be used and procedures for using those bonds. A lot of towns have the exact same language as Thompson has without any further clarification. She states if the Commission would want to pursue bonding, these are some of the items that need to be looked at. There is a brief discussion between M. Butts and the Commission about surety bonds and the expense of them, when they would be used and when they wouldn't be used. D. Chapin asks if this is being discussed because Planning and Zoning is not doing their work properly, and if so then she is not interested in doing this because someone else is not properly doing their work. M. Butts says this was brought up because of issues at a few properties. M. Butts and Cindy with P&Z should communicate before releasing the bond to make sure there are no further environmental issues that need to be addressed, but it is mostly their responsibility. D. Chapin would like it if M. Butts can work with them to be sure they get her approval before releasing the bond, that seems like a much better idea than doing all this additional work.
- i) Reports
 - a) Budget & Expenditures – Per D. Chapin, \$209.54 has been expended this month, \$190 was for advertising and \$19.54 was for office supplies. \$12,177.36 is available, the

Commission has used 52.8% of budget.

- b) Wetlands Agent Report – No changes in status of Court Appeal on Application IWA15029, River Junction Estates, LLC, MS4 Annual Report or pre-1990 file destruction.

Two complaints were followed up on and one Permit was addressed: **Complaint 20-05**, manure dumping off Arrowhead and Hiawatha Dr. - M. Butts has sent an email to Rich Benoit with the Public Works Department, asking him to post a "No Dumping" sign and to stop the debris dumping on Town property. **Complaint 20-18**, structure being built in Jerry's Swamp – A letter of inquiry is being sent to the property owner that the structure appears to be built on asking him to identify if he is responsible for its construction and if yes, to cease any further work and explain the function of the structure to determine the IWC's next course of action. **Permit IWA19004**, modifications were made to the silt fencing, a recent rainstorm tested these modifications, and the E&S control did not fail, although water overtopped the control. There have been some changes in the landowners of this property, M. Butts is working with both property owners and Strategic Commercial Realty, Inc. to get the area stabilized before the silt fence/hay bale check dam is removed. There has also been discussion between M. Butts and ZEO Cynthia Dunne and they have worked out better coordination between the two offices before the recommended release of bonds on gravel mining operations.

4 building permits were reviewed, Permit #21-018-B, Permit #21-021-B, Permit #21-022-B and Permit #21-034-B.

There were 4 purchase requisitions, pending payment of \$19.54 for a Covid protection device, pending payment of \$44.10 to Stonebridge Press for a legal notice for WAA20009, encumbered \$40.00 for Stonebridge Press, legal notice for WAA20031 and encumbered \$70.00 for Stonebridge Press, legal notice for WAA20043 and WAA20047.

- J) Correspondence – None
K) Signing of Mylars – None
L) Comments by Commissioners – C. Obert mentions to make sure that start using the new logo letterhead. M. Butts is waiting for Tyra Penn-Gesek to come put them on her computer and then she will begin using them.
M) Adjournment – **Motion to adjourn is made by F. Morano, seconded by C. Obert. All in favor 8:51pm**

Respectfully Submitted,

Ashley Pomes

Topic: Inlands Wetlands Commission

Start Time : Feb 9, 2021 06:47 PM

Meeting Recording:

[https://us02web.zoom.us/rec/share/5-Rn0PD-](https://us02web.zoom.us/rec/share/5-Rn0PD-JY5QtUHimyq8LQhi_w9r0NmvhPYYjNMG_TLPRasoKcM95wrKQTOCMQq2.d9BdDPcSXuATNF-K)

[JY5QtUHimyq8LQhi_w9r0NmvhPYYjNMG_TLPRasoKcM95wrKQTOCMQq2.d9BdDPcSXuATNF-K](https://us02web.zoom.us/rec/share/5-Rn0PD-JY5QtUHimyq8LQhi_w9r0NmvhPYYjNMG_TLPRasoKcM95wrKQTOCMQq2.d9BdDPcSXuATNF-K)

Access Passcode: wg+y&7Pu

Agenda Item D.
Citizens Comments on Agenda Items

Agenda Item E.a) 1. Old Applications

WAA20033, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's map 103, block 31, lot 6R, subdivision lot 18), septic system for new single family home, stamped received 8/12/2020, revised drainage easement filed 3/1/21 (page 983 page280), approval issued 3/8/21, legal notice to be published 3/19/21.

Agenda Item E.a) 2.Old Applications

WAA20046, Fred & Josee Rogers, 0 New Road (Assessor's map 154, block 3, lot 2C), construction of a septic system in the upland review area for a new single family home, stamped received 11/12/2020, approval issued 3/8/21, legal notice to be published 3/19/21.

Agenda Item E.b) 1. New Applications

IWA21004, Keith & Karolyn Champagne, 1321 Thompson Rd w/access from Becola Rd (Assessor's map 114, block 24, lot 54), filling of about 150 square feet of wetlands to provide pedestrian access to Little Pond associated with the construction of single family home located in the 200 foot upland review area review area in Little Pond, stamped received 2/11/2021, to be statutorily received 3/9/2021.

copy 1

for commission use:	rev 1/11
application #	TWAD1004
date received	Feb 11, 2021

PERMIT APPLICATION
TO CONDUCT A REGULATED ACTIVITY

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

Received
FEB 11 2021

Thompson Wetlands Office

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
- 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.

If you need assistance, contact the IWWC business office at 860-923-1852 Fax 860-923-9897

Date February 8, 2021

1) Name of Applicant Keith and Karolyn Champagne
Home Address 23 Hilltop Drive, Douglas MA 01516
Home Tele & Hrs 508-963-9097 Business Tele & Hrs _____
Business Address _____

2) Applicant's interest in the Property: _____ Owner Other Future Buyer
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) Charles Adams
Home Address 230 Pleasant Street, Seekonk MA 02771
Business Address _____
Home Tele & Hrs 401-932-8899 Business Tele & Hrs 401-454-3300

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

Pole # and Location 1433, end of Becola Road
Street or Road Location Becola Road
Tax Assessor's Map # 114
Block # 24
Lot # that appears on site plan 54
Deed Info : Volume # 807
Page # 167

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

Soil Types Sandy loam, Loamy sand
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 single family house and septic system within upland review area. Construction of a gravel path within the wetlands, for the purpose of providing pedestrian access to the shore. Approximately 150 square feet of wetlands will be permanently filled.

If the above activity involves deposition or removal of material, what is the quantity? 6 cubic yards

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.
- 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.
- 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.
- 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) The proposed construction will disturb approximately 150 square feet of wetland soils.

The construction is necessary for the owners to access the pond. The proposed wetland crossing will be built at the narrowest part of the wetlands, to minimize disturbance. Only small machinery shall be used, and no tree shall be cut. Erosion controls shall be installed at the shore, to prevent any contamination of the water.

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 & 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? Yes 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 list

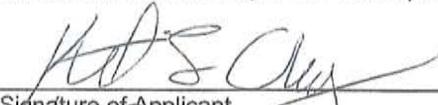
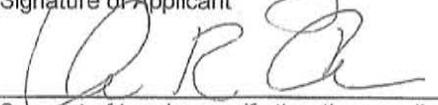
11) Estimated start date June 2021
 Estimated date of completion (all disturbed areas are stabilized) September 2021

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.

	<u>2/5/2021</u>
Signature of Applicant	Date
	<u>2/4/2021</u>
Consent of Landowner if other than applicant	Date

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

J & D CIVIL
ENGINEERS, LLC

401 Ravenelle Road
N. Grosvenordale, CT 06255
www.jdcivilengineers.com
(860) 923-2920

February 4, 2021

Thompson Inland Wetlands Commission
815 Riverside Drive (PO Box 899)
N. Grosvenordale, CT 06255

RE: Job #20219
Inland Wetlands Application for Champagne
1321 Thompson Road, Thompson CT

Received

FEB 11 2021

Thompson Wetlands Office

Dear Commission Members,

Attached is the list of abutters for the above referenced project:

Lot 54A – Erica and Thomas Connolly, 1311 Thompson Road, Thompson CT
Lot 55 – Jeffrey Bunnewith, 1327 Thompson Road, Thompson CT
Lot 56 – Scott Dale and Kelly Johnson-Dale, 1333 Thompson Road, Thompson CT
Lot 56A – John and Carol Weiss, 1343 Thompson Road, Thompson CT
Lot 58 – Richard and Kristin Schultz, 4 Jezierski Lane, Thompson CT
Lot 32 – Kenneth and Peggy Brintle, 51 Becola Road, Thompson CT
Lot 34 – Kenneth and Peggy Brintle, 0 Becola Road, Thompson CT
Lot 37 – Robert and Carol Langer, 45 Becola Road, Thompson CT

Daniel Blanchette

From: Daniel Blanchette
Sent: Wednesday, February 10, 2021 11:33 AM
To: 'DEEP Nddbrequest'
Subject: NDDB Request for Subdivision at 1321 Thompson Road, Thompson
Attachments: 20219 Champagne NDDB Application.pdf

Good Morning,

I am submitting an NDDH Review Request for a two lot subdivision at 1321 Thompson Road in Thompson. This is a 10 acre property that borders Little Pond. The property has one existing single family home on the western edge. We are proposing to split 7 acres off from the existing house, and create one new building lot. All of the proposed construction will occur within an upland review area. Approximately 150 square feet of wetlands will be filled, to provide access to a dock on the shore. Please let me know if you have any questions.

Thanks,

Daniel Blanchette, PE

J&D Civil Engineers, LLC
401 Ravenelle Road
N. Grosvenordale, CT 06255
www.jdcivilengineers.com
860-923-2920

*Michael G. Schaefer
Certified Professional Soil Scientist
138 Coomer Hill Road
Dayville, CT 06241*

Telephone: 860 779 1219

April 10, 2005

INVOICE

Elizabeth Adams
1321 Thompson Road
Thompson, CT 06277

RE: Proposed Lot in the rear portion of your property along Little Pond

Bill for wetland delineation at the above referenced site per direction of Messier & Associates, Inc.

Amount Due: \$262.50

Invoice is due and payable upon receipt.

Thank you for your business.

NOTE: I will issue a brief report to Messier & Associates after receiving their plan map with the wetlands plotted thereon. There is no extra charge for this report. No reports will be issued or plans signed until this invoice is paid in full.

*pd 4/16/05
ck # 4009*

ADAMS LAND SUBDIVISION

1321 THOMPSON ROAD, THOMPSON, CONNECTICUT

OWNER: CHARLES R. ADAMS
APPLICANT: KEITH & KAROLYN CHAMPAGNE

DATED: FEBRUARY 8, 2021

ZONING REQUIREMENTS (RURAL RESIDENTIAL AGRICULTURAL)

ITEM	REQUIRED	LOT 54-1	LOT 54
AREA	40,000 SF	146,817 SF	114,993 SF
FRONTAGE	150 FT*	50.59 FT	177.54 FT
FRONT YARD	40 FT	N/A	59 FT
SIDE YARD	20 FT	N/A	26 FT
REAR YARD	20 FT	N/A	310 FT
COVERAGE	50%	0%	6.5%

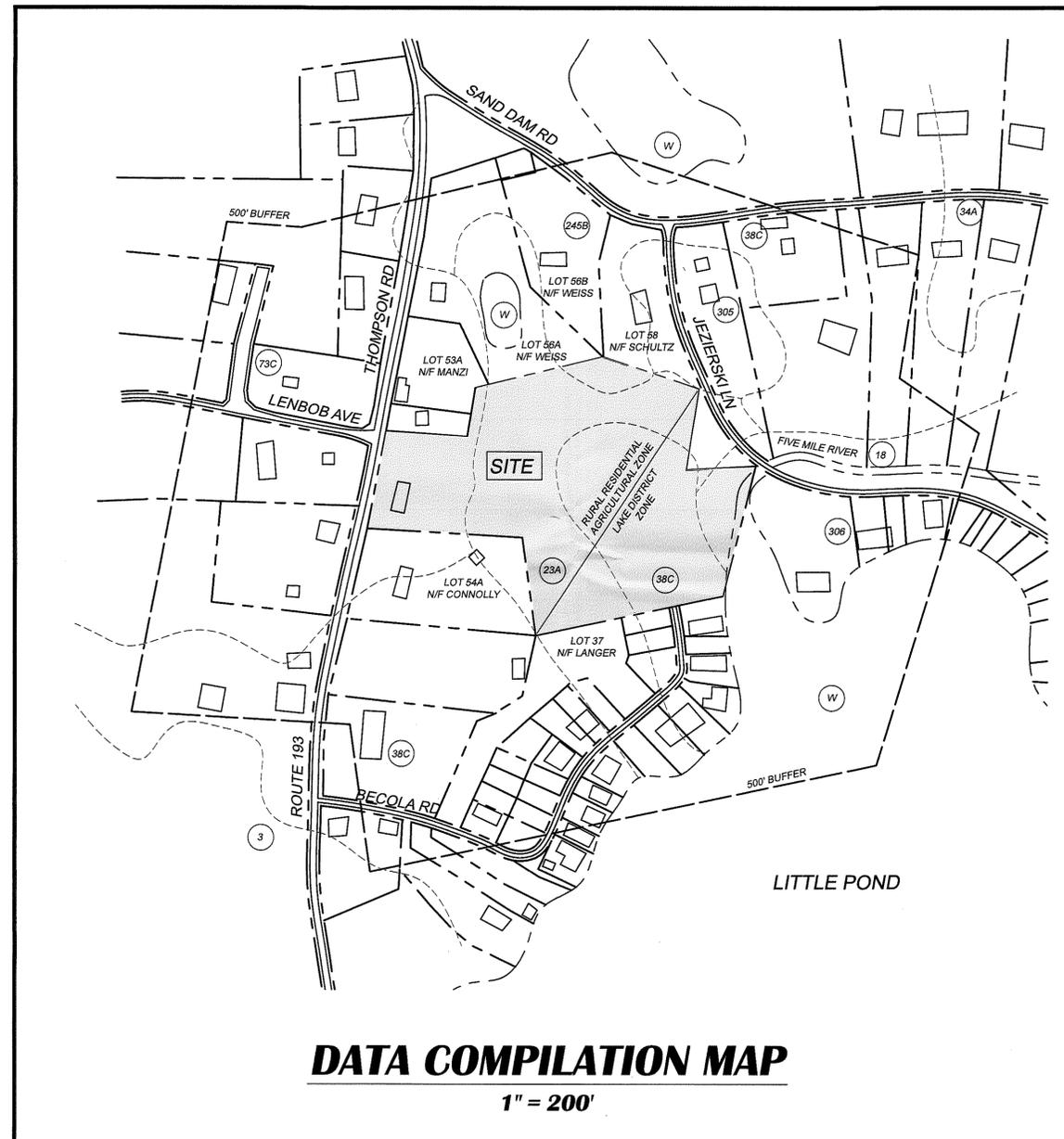
*50 FEET REQUIRED FOR INTERIOR LOTS

INDEX OF DRAWINGS

NO.	DESCRIPTION
1	COVER SHEET
2	SUBDIVISION PLAN
3	SITE DEVELOPMENT PLAN
4	DETAILS AND NOTES

ZONING REQUIREMENTS (LAKE DISTRICT)

ITEM	REQUIRED	LOT 54-1
AREA	4,500 SF	155,970 +/- SF
FRONTAGE	50 FT	35 FT
FRONT YARD	10 FT	180 FT
SIDE YARD	10 FT	115 FT
REAR YARD	10 FT	175 FT
COVERAGE	50%	15%



SOIL TYPES TABLE

3	RIDGEBURY, LEICESTER, AND WHITMAN SOILS, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY
15	SCARBORO MUCK, 0 TO 3 PERCENT SLOPES
18	CATDEN AND FREETOWN SOILS, 0 TO 2 PERCENT SLOPES
23A	SUDBURY SANDY LOAM, 0 TO 5 PERCENT SLOPES
34A	MERRIMAC FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
38C	HINCKLEY LOAMY SAND, 3 TO 15 PERCENT SLOPES
38E	HINCKLEY LOAMY SAND, 15 TO 45 PERCENT SLOPES
73C	CHARLTON-CHATFIELD COMPLEX, 0 TO 15 PERCENT SLOPES VERY ROCKY
75C	HOLLIS-CHATFIELD-ROCK OUTCROP COMPLEX 3 TO 15 PERCENT SLOPES
245	MERRIMAC FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES
305	UDORTHENTS-PITS COMPLEX, GRAVELLY
306	UDORTHENTS-URBAN LAND COMPLEX
W	WATER

Received

FEB 11 2021

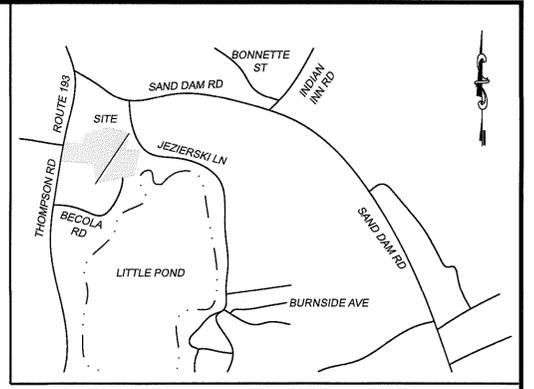
Thompson Wetlands Office

J&D CIVIL ENGINEERS, LLC

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

Application TW191004 Copy 2

APPROVED INLAND WETLANDS COMMISSION			
CHAIRMAN	DATE		
APPROVED PLANNING AND ZONING COMMISSION			
CHAIRMAN	DATE		
TOWN OF THOMPSON RECEIVED FOR RECORDING			
TOWN CLERK	DATE	TIME	MAP #



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: SUBDIVISION

BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY, ORIGINAL SURVEY.

ACCURACY: CLASS A2

PURPOSE: TO SUBDIVIDE LOT 54

2. REFERENCE PLANS:

A. CT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF THOMPSON, BRANDY HILL ROAD FROM THE R.R. UNDERPASS NORTHERLY TO THE MASS. STATE LINE ROUTE NO. 193, SHEET 3 OF 4 SCALE 1" = 40', 4-30-57.

B. BOUNDARY LINE AGREEMENT PLAN PREPARED FOR NELLIE WEISS, LOT 56B SAND DAM ROAD, THOMPSON CT, BY MESSIER & ASSOCIATES, FILED AS PLAN NO. 1354

C. PLAN OF LAND CONVEYED TO TOWN OF THOMPSON BY LEON P. JEZIEWSKI, THOMPSON, CONN, SCALE 1" = 50', SEPT. 12, 1965, BY GILBERT F. PERRY C.E., FILED AS PLAN NO. 485.

D. LAKESIDE LOTS OF BERNHARDT LANGER, THOMPSON, CONN, SCALE 1" = 40' BY WM. K. PIKE & SON C.E.s, 1947.

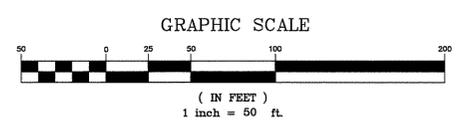
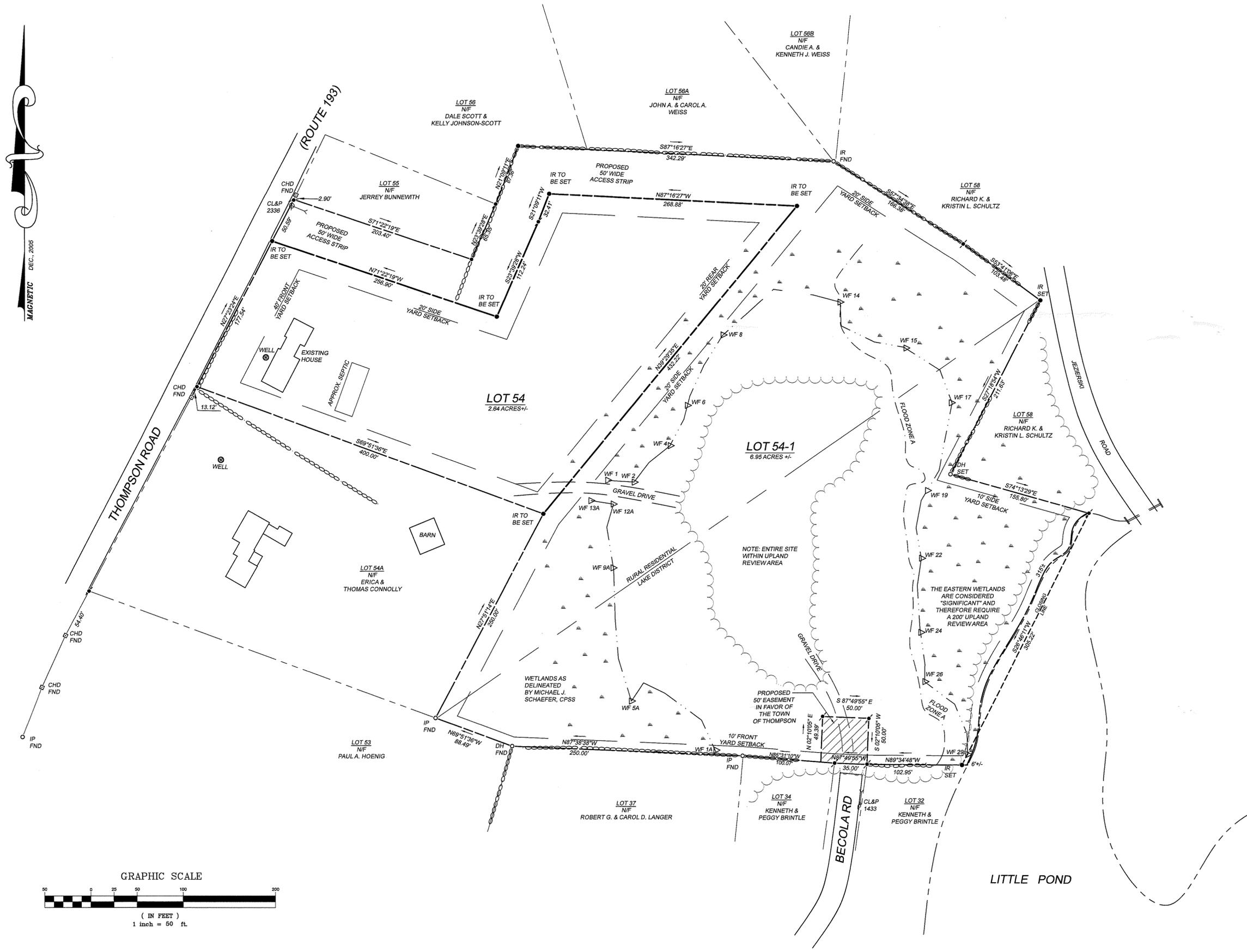
FLOOD ZONE DEPICTED HEREON REFERENCES FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 0901170010B, DATED NOVEMBER 1, 1984.

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

John A. Bartolomei 2-10-2021 #17244
JOHN A. BARTOLOMEI DATE LICENSE NUMBER

LEGEND

- ◻ EXISTING MONUMENT
- IRON ROD SET OR TO BE SET
- ANGLE POINT
- EXISTING IRON ROD OR IRON PIPE
- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- BUILDING SETBACK
- EDGE OF EASEMENT
- STONE WALL
- UTILITIES
- TREELINE
- FLOOD ZONE A
- EDGE OF WETLANDS



ZONING INFORMATION:
ZONE: RURAL RESIDENTIAL AGRICULTURAL
MINIMUM AREA: 40,000 S.F.
MINIMUM FRONTAGE: 150 FT (50 FOR INTERIOR LOTS)
MINIMUM FRONT YARD: 40 FT
MINIMUM SIDE YARD: 20 FT
MINIMUM REAR YARD: 20 FT

ZONING INFORMATION:
ZONE: LAKE DISTRICT
MINIMUM AREA: 4,500 S.F.
MINIMUM FRONTAGE: 50 FT
MINIMUM FRONT YARD: 10 FT
MINIMUM SIDE YARD: 10 FT
MINIMUM REAR YARD: 10 FT

PROPERTY OWNER
CHARLES R. ADAMS
REFERENCE DEED
THOMPSON LAND RECORDS
VOL. 807 PG. 167
ASSESSORS REFERENCE
MAP 114 BLOCK 24 LOT 54

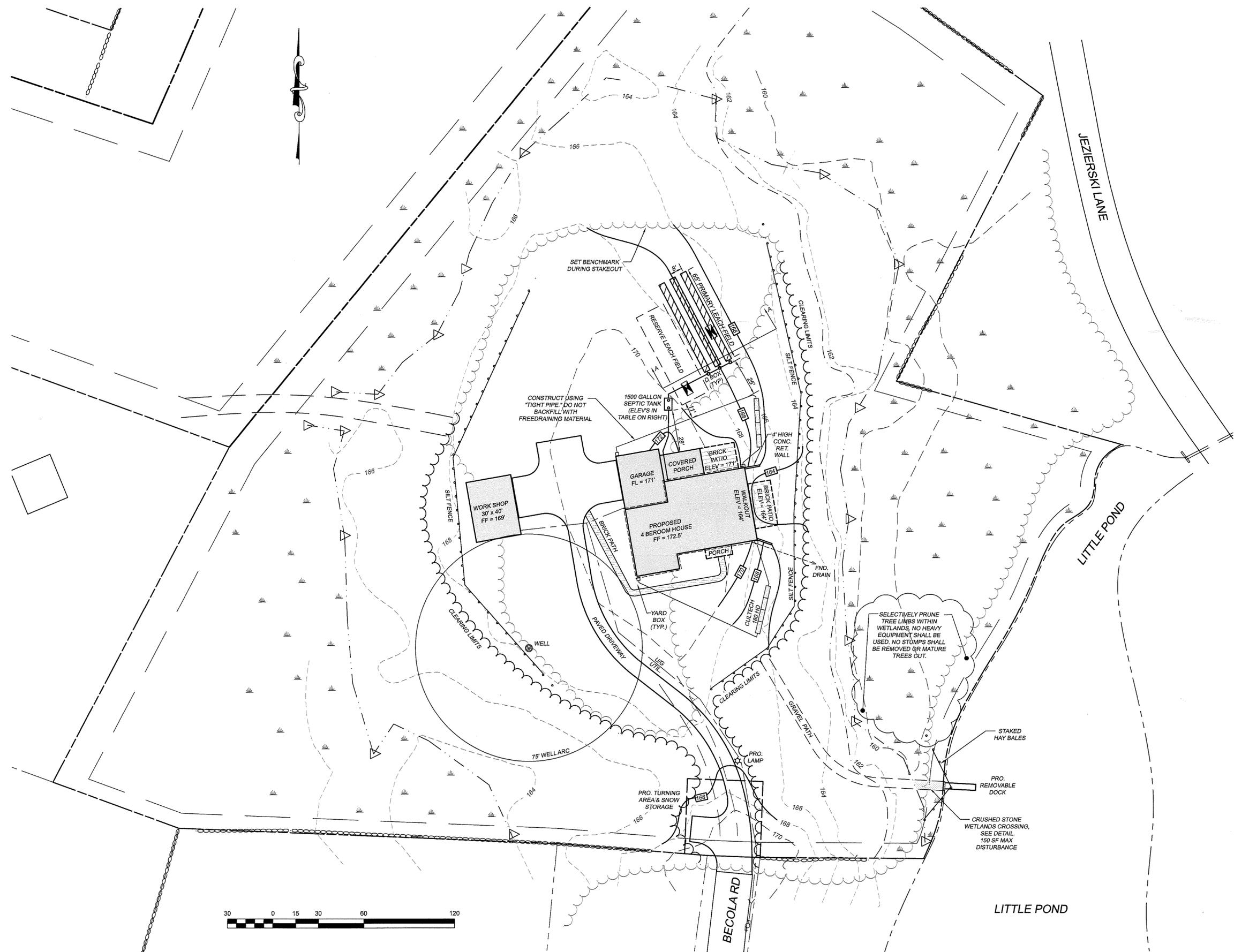
SUBDIVISION PLAN
PREPARED FOR
KAROLYN & KEITH CHAMPAGNE
1321 THOMPSON ROAD, THOMPSON, CT
MAP 114, BLOCK 24, LOT 54

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

DESIGNED: DDB **REVISIONS:**
DRAWN: APS

JOB NO: 20219 **DATE: FEBRUARY 8, 2021**
SCALE: 1" = 50' **SHEET: 2 OF 4**

TOWN OF THOMPSON RECEIVED FOR RECORDING	APPROVED PLANNING AND ZONING COMMISSION	APPROVED INLAND WETLANDS COMMISSION
	CHAIRMAN _____ DATE _____	CHAIRMAN _____ DATE _____
TOWN CLERK _____ DATE _____ TIME _____ MAP# _____		



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 NOV. 2005, 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.

Dennis R. Blanchette 2/8/21 12107
 DENNIS R. BLANCHETTE DATE LICENSE NUMBER

SEPTIC ELEVATIONS

INVERT AT HOUSE	169.50'
INVERT INTO TANK	168.50'
INVERT OUT OF TANK	168.25'
INVERT INTO D-BOX	167.60'
HIGH LEVEL OVERFLOW	167.85'
INVERT INTO D-BOX	166.80'
HIGH LEVEL OVERFLOW	167.05'
INVERT INTO D-BOX	166.00'

LEGEND

	BUILDING SETBACK LINE
	PROPERTY LINE
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	EDGE OF WETLANDS
	EDGE OF WATERBODY
	EROSION CONTROL DEVICES
	LEACHING TRENCH
	STONEWALL
	UTILITIES
	TREELINE
	FLOOD ZONE A
	TEST PIT

TOWN OF THOMPSON RECEIVED FOR RECORDING	APPROVED PLANNING AND ZONING COMMISSION	APPROVED INLAND WETLANDS COMMISSION
	CHAIRMAN _____ DATE _____	CHAIRMAN _____ DATE _____
TOWN CLERK _____ DATE _____ TIME _____ MAP # _____		

SITE DEVELOPMENT PLAN
 PREPARED FOR
KEITH & KAROLYN CHAMPAGNE
 1321 THOMPSON ROAD, THOMPSON, CT
 MAP 114, BLOCK 24, LOT 54

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

DESIGNED: DDB
 DRAWN: APS

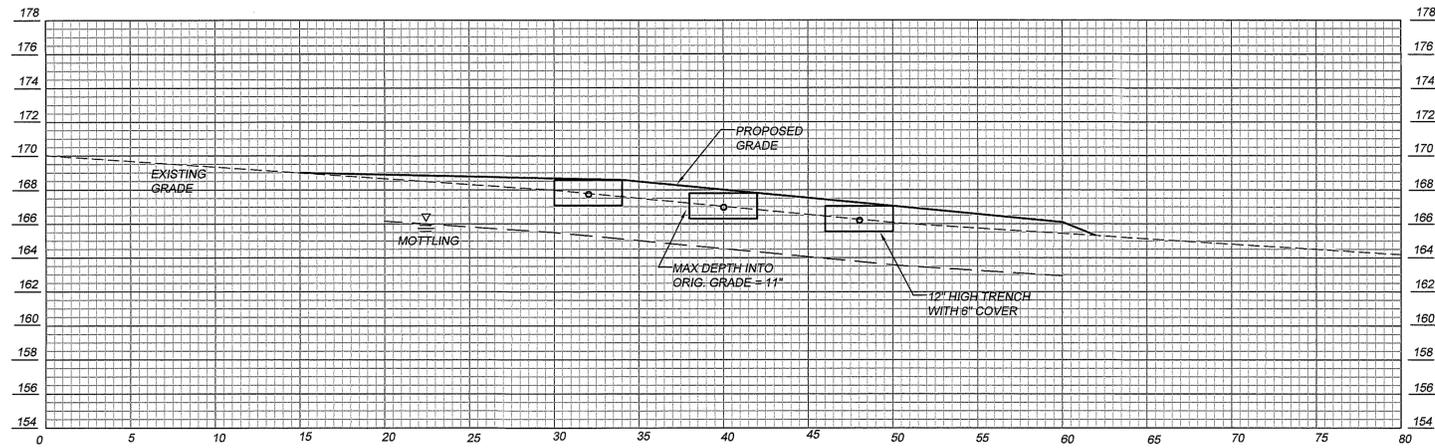
REVISIONS:

DESIGNED BY: *DDB*

JOB NO: 20219
 SCALE: 1" = 30'

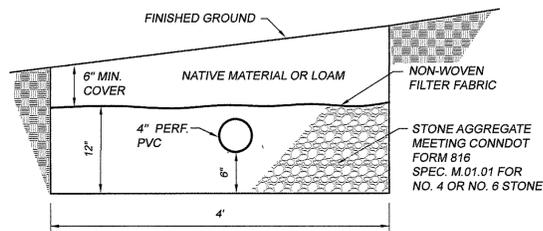
DATE: FEBRUARY 8, 2021
 SHEET: 3 OF 4



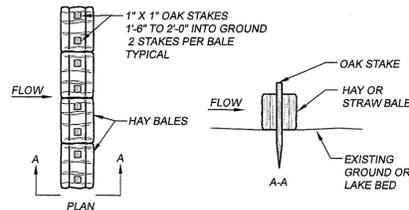


LEACHING FIELD CROSS SECTION A-A

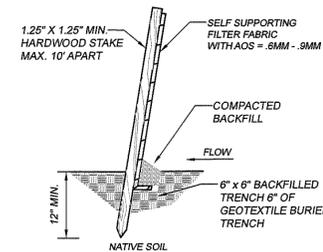
1" = 5'



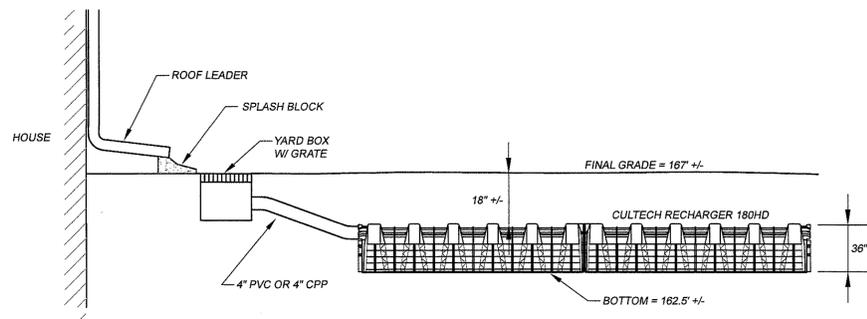
LEACHING TRENCH DETAIL
N.T.S.



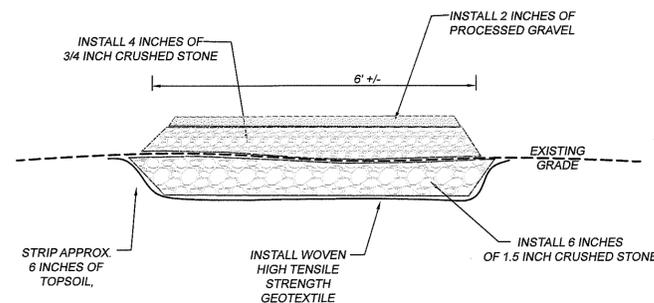
HAYBALE EROSION CONTROL
NOT TO SCALE



SILT FENCE INSTALLATION
NOT TO SCALE



ROOF DRAIN INFILTRATION DETAIL
NOT TO SCALE



WETLAND CROSSING DETAIL
NOT TO SCALE

1. ALL WORK WITHIN WETLANDS TO BE PERFORMED DURING THE DRY SEASON, JULY THROUGH SEPTEMBER.
2. EROSION CONTROL AT THE SHORELINE SHALL BE INSTALLED PRIOR TO ANY OTHER WORK.
3. NO LIVING TREES WITHIN THE WETLANDS SHALL BE HARMED, AND NO STUMPS SHALL BE REMOVED. TREE LIMBS MAY BE PRUNED OR SMALL BUSHES REMOVED IF NECESSARY.
4. NO MATERIAL OTHER THAN CRUSHED STONE AND GRAVEL MAY BE USED AS FILL WITHIN THE WETLANDS.
5. ONLY A MINI-EXCAVATOR OR SMALL BOBCAT LOADER LESS THAN 6 FT WIDE SHALL BE USED.

TEST PIT RESULTS

OBSERVED BY: MAUREEN MARCOUX
DATE: 10-12-04

PIT NO. 1	PIT NO. 2
0-10" TOPSOIL	0-10" TOPSOIL
10-30" SANDY LOAM	10-29" SANDY LOAM
30-75" COMPACT LOAMY FINE SAND	29"-91" COMPACT LOAMY FINE SAND
MOTTLING: 30"	MOTTLING: 29"
RESTRICTIVE LAYER: 30"	RESTRICTIVE LAYER: 29"
LEDGE:	LEDGE:
WATER:	WATER: 78"

PERC. TEST RESULTS

TIME	READING
12:05	5.75"
12:10	8.75"
12:20	11.75"
12:30	13.25"
12:40	14.75"

HOLE DEPTH = 20"
PERC. RATE = 6.6 MINS/IN

SEPTIC SYSTEM DESIGN CRITERIA

PERC RATE: 6.6 MINS/INCH
NUMBER OF BEDROOMS: 4
SEPTIC TANK: 1600 GALLON
LEACHING AREA REQUIRED: 578 SQUARE FEET
LEACHING AREA PROVIDED: (3) 65' LONG, 4' WIDE TRENCHES = 585 SF
MOTTLING: 29" - 30", LEDGE: N/A, WATER: N/A, SLOPE: 4 - 6%
MLSS (PRIMARY) = 49' (HF=28, PF=1.0, FF=1.75)
LSS PROVIDED = 65"

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 AND EFFLUENT SEWER PIPE: 4" PVC ASTM D 1785, ASTM D 2865, OR ASTM F 1760 SCHEDULE 40 WITH RUBBER COMPRESSION GASKETS OR PVC AWWA C-900 WITH RUBBER COMPRESSION GASKETS.

DISTRIBUTION PIPE: 4" PVC PERFORATED, LAID AT 2" PER 100'

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.

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

* 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.

THE HOUSE, WELL, AND SEPTIC SYSTEM LOCATIONS SHALL BE STAKED IN THE FIELD BY A LAND SURVEYOR PRIOR TO THE START OF ANY CONSTRUCTION. THE SURVEYOR SHALL INSTALL A STABLE BENCHMARK DURING STAKEOUT WITHIN 15' OF THE SYSTEM.

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.

NOTES & DETAILS

PREPARED FOR
KAROLYN & KEITH CHAMPAGNE
1321 THOMPSON ROAD, THOMPSON, CT
MAP 114, BLOCK 24, LOT 54

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



DESIGNED: DDB
DRAWN: DDB

REVISIONS:

JOB NO: 20219

DATE: FEBRUARY 8, 2021

SCALE: AS NOTED

SHEET: 4 OF 4

TOWN OF THOMPSON
RECEIVED FOR RECORDING

APPROVED
PLANNING AND ZONING COMMISSION

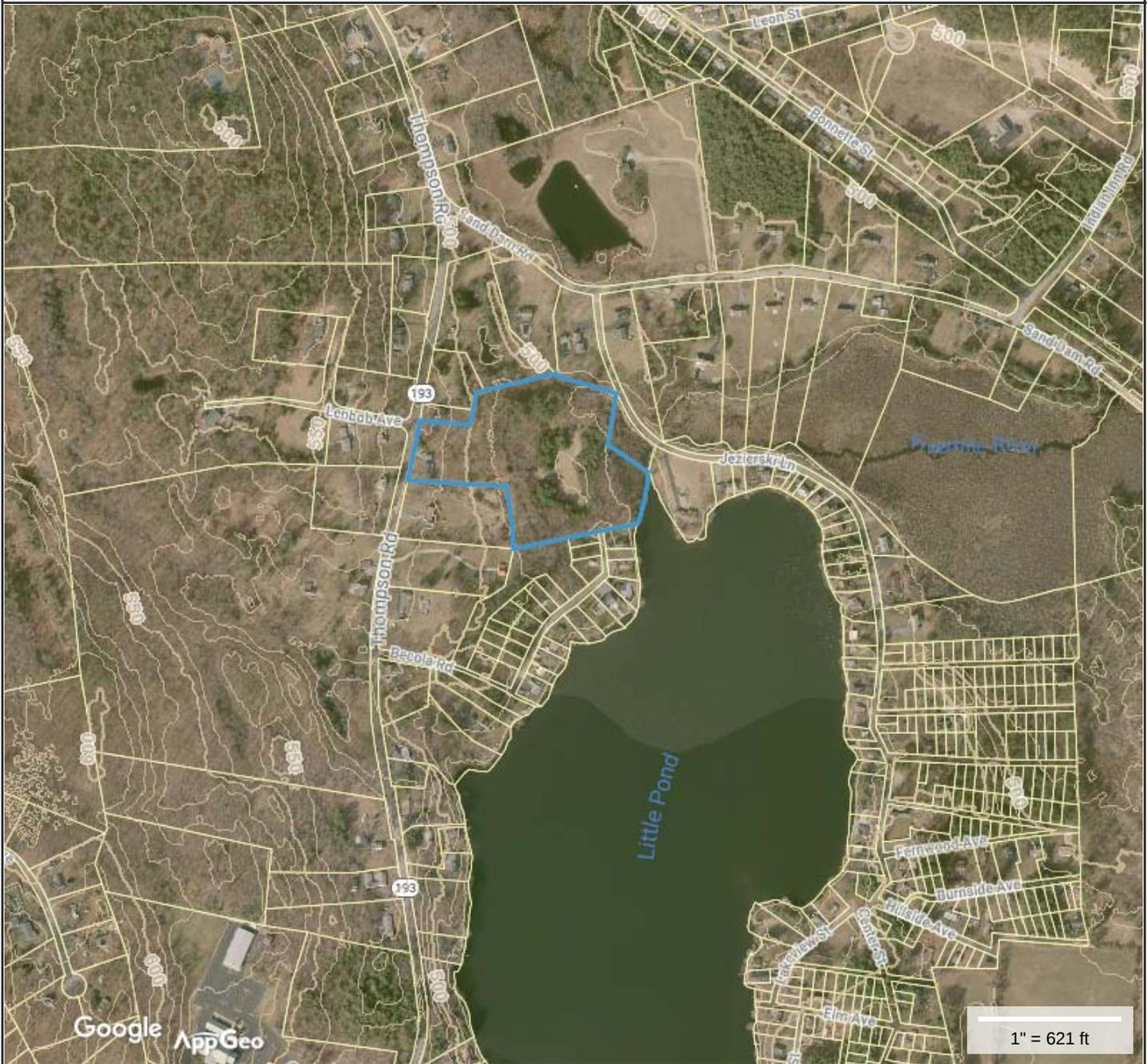
APPROVED
INLAND WETLANDS COMMISSION

TOWN CLERK DATE TIME MAP#

CHAIRMAN DATE

CHAIRMAN DATE

IWA21004 General Locus map wide view



Property Information

Property ID 2891
Location 1321 THOMPSON RD
Owner ADAMS CHARLES R



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

IWA21004 General Locus map with 2 ft Topo



Property Information

Property ID 2891
Location 1321 THOMPSON RD
Owner ADAMS CHARLES R



**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

Agenda Item E.b) 2. New Applications

DEC21005, Boy Scouts of America, Narragansett Council, 0 Quaddick Town Farm Rd and 0 Silver Brook Rd (Assessor's map 160, block 11, lots 15A, 20 & 21), timber harvest, received 2/16/2021.

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

ID # DEC21005
 Receipt Date: Feb 16, 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: Narragansett Council, Boy Scouts of America
 Mailing Address: Po Box 14777
 Town: East Providence RI Zip: 02914
 Phone: () _____
 E-mail: _____
 Total acreage of Property(s): 259

Map	Block	Lot	Address
160	11	21	0 Silver Brook Rd
160	11	20	0 Silver Brook Rd
160	11	15A	0 Quaddick Town Farm Rd

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 #: 1254
 Name: Michelle Wood
 Address: 101 Hampton Rd Pomfret Center CT 06259
 E-mail: Wood@hullforest.com
 Phone # (Business) 860-974-0127 ext. 134 (Cell) 603-852-4998

Harvester (if not landowner): Hull Forest Products
 Mailing Address: 101 Hampton Rd
 Town: Pomfret Center CT Zip: 06259
 Phone: (860) 974 0127 ext. 134
 E-mail: Wood@hullforest.com

Estimated starting date of timber harvesting operations: 4 / 1 / 2021

Estimated completion date of harvesting operations: 5 / 1 / 2021

Total acreage of harvest area: 46.5

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:
74,245 Board feet 42 Cords _____ Cubic feet _____ Tons

DEC 21 2005
rec'd 2/16/2021

Timber Harvest Objective: Ash removal, dead tree removal, establish regeneration in the form of oak + sugar maple seedlings

Timber Harvest Treatment:
Selection / Group Selection

Actions Being Performed on This Land

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

<p align="center"><u>Crossings / Clearing</u></p> <input type="checkbox"/> Temporary stream/drainage crossing <input type="checkbox"/> Temporary wetlands crossing <input type="checkbox"/> Removal of trees in wetlands <input type="checkbox"/> Removal of trees in upland review area	<p align="center"><u>Erosion and Sedimentation Control Measures*</u></p> <input type="checkbox"/> Installation of water bars <input type="checkbox"/> Grading <input type="checkbox"/> Seeding <input type="checkbox"/> Other (describe below)
<p align="center"><u>Log landing area:</u></p> <input type="checkbox"/> Anti-tracking pad <input type="checkbox"/> Curb cut	<p align="center"><u>Roads</u></p> <p>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</p>

* 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: There is 1 crossing along this network of existing woods roads. The crossing is an existing bridge over Blackmore Brook along the established Wakefield Pond Rd. It will be reinforced as necessary.

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: See attached Date: _____

Print / Type Name: _____

Signature of Certified Forest Practitioner: Michelle Wood Date: 2/5/2021

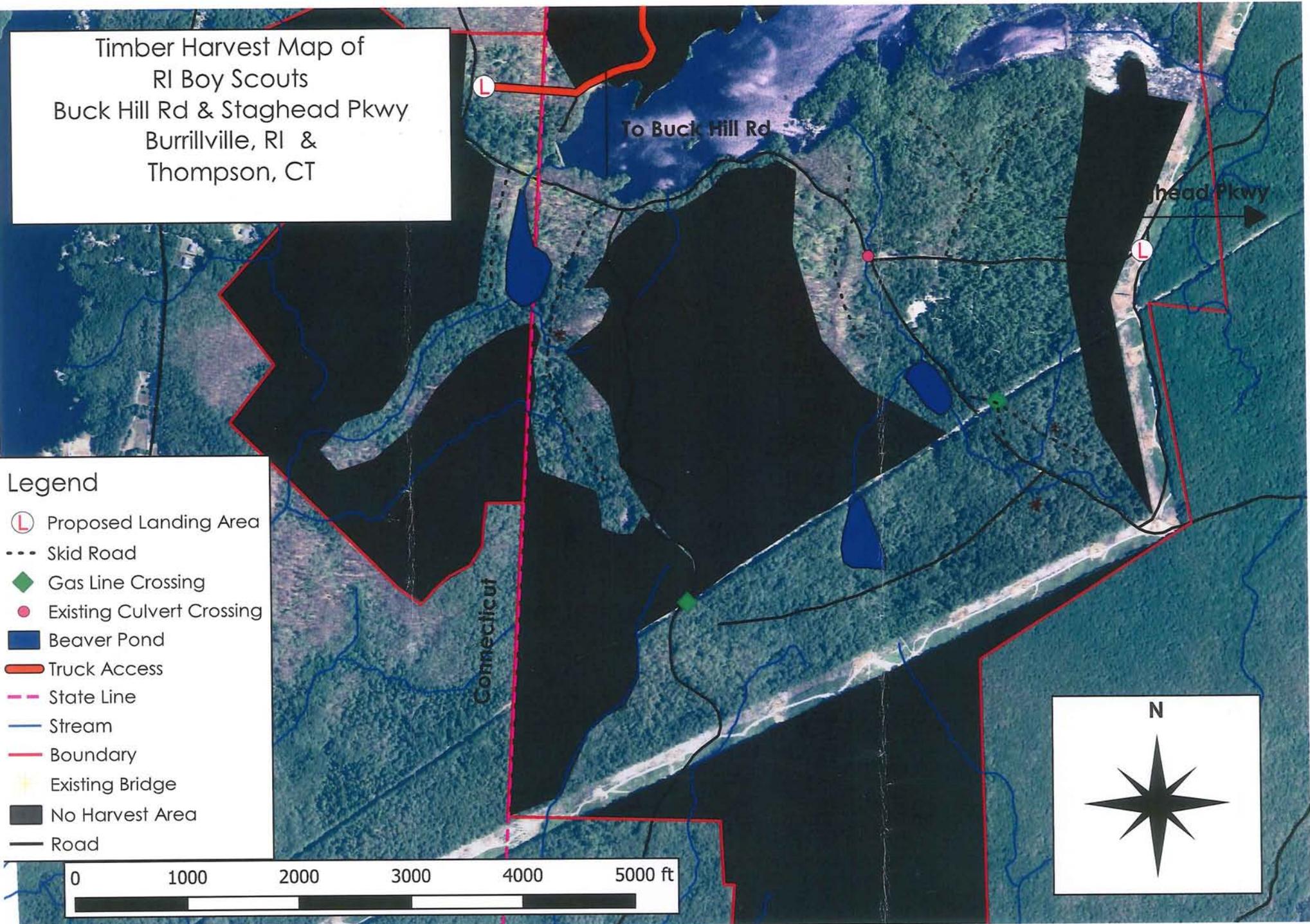
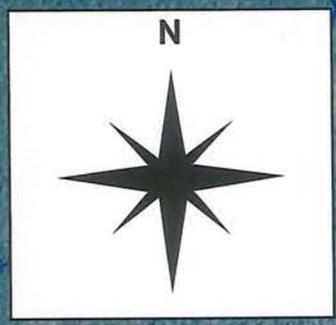
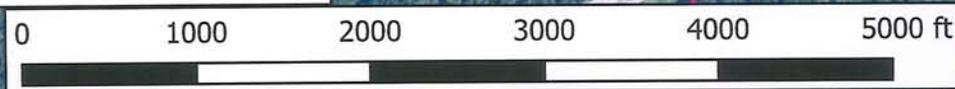
Print Name: Michelle Wood

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:

Timber Harvest Map of
RI Boy Scouts
Buck Hill Rd & Staghead Pkwy
Burrillville, RI &
Thompson, CT

- Legend**
- Ⓛ Proposed Landing Area
 - - - Skid Road
 - ◆ Gas Line Crossing
 - Existing Culvert Crossing
 - Beaver Pond
 - Truck Access
 - - - State Line
 - Stream
 - Boundary
 - ✦ Existing Bridge
 - No Harvest Area
 - Road



February 11, 2020

Marla Butts
Inland Wetlands Commission
Town of Thompson
815 Riverside Dr.
N. Grosvenordale, CT 06255

Dear Marla,

Enclosed please find the Notification of Timber Harvest Form and a Timber Harvest Map regarding a project Hull Forest Products, Inc. plans to conduct on the property of the Rhode Island Boy Scouts, Narragansett Council East of Quaddick Town Farm Rd and South of Buck Hill Rd. This operation involves a selective timber harvest with the objective to salvage the dead and dying trees resulting from the repeated gypsy moth defoliation and drought as well as the Ash trees ahead of the Emerald Ash Borer whose presence is evident on both properties. The property boundaries have been identified with pink ribbon, trees to be removed have been marked in the field with blue paint. A skidder or forwarder will be utilized to transport the merchantable material to the landing area. There is one existing bridge crossing on an existing woods road over a perennial stream associated with this operation. The crossing will be stabilized with portable timber bridges as needed during the harvest and removed upon completion. It is estimated that 2 months of good working weather will be required to complete this project. We understand the sensitivity of this site and all Best Management Practices regarding Timber Harvesting as adopted by the CT DEEP will be strictly adhered to. It is our understanding that this type of agricultural activity is permitted as a Use of Right and hope that upon your review you will find the same. Please contact me if there is any other information you may need or if you would like to visit the site together.

Respectfully Submitted,



Michelle Wood
Forester CT DEEP #1254
Hull Forest Products

TIMBER SALE AGREEMENT

It is agreed between the Narragansett Council, Boy Scouts of America of PO Box 14777, East Providence, RI, 02914 hereinafter called the Seller, and Hull Forest Products, Inc. of 101 Hampton Road, Pomfret Center, CT 06259 hereinafter called the Purchaser, that the Purchaser shall buy from the Seller and the Seller shall sell to the Purchaser, certain designated standing trees or timber located on approximately 390 of 1,100 acres at 704 Buck Hill in the Town of Pascoag, in the State of Rhode Island. It is further agreed that the Purchaser may enter upon the land of the Seller for the purpose of cutting and removing such designated trees or timber, and is authorized to prosecute such work, on the area described above subject to the following conditions:

1. The stumpage price for the timber is established at [REDACTED] for a total of 476,560 board feet of sawlogs and 371 cords of firewood. The trees designated for removal are painted with a blue mark upon the stem and at the base of the trunk. Payment terms shall be as follows: a [REDACTED] deposit to be paid upon signing this agreement, [REDACTED] within 2 weeks of start, [REDACTED] at 1/2 complete, [REDACTED] at 3/4 completion and [REDACTED] upon completion.
2. All trees or standing timber cut under this agreement shall be removed from the land of the Seller within 12 months of the date of the agreement. In the event of wet weather or inappropriate ground conditions the Seller reserves the right to suspend harvesting operations and shall grant an extension of this agreement, if needed, for the same period of time suspended.
3. The Seller hereby covenants and agrees that they are lawfully possessed of the above described goods, chattels, and personal property as their own property. The Seller shall not enter into any concurrent contract involving the same area or period of time, relative to this property without the written consent of the Purchaser.
4. Trees sold to the Purchaser shall be designated with a blue paint mark upon the base of the trunk. The Purchaser shall determine the use of the marked material and remove only material determined to be of commercial value as sawtimber or firewood.
5. The Purchaser agrees to indemnify and save harmless the Seller from all claims of personal injury, demands, suits and other legal proceedings arising or incidental to his operations. Hull Forest Products agrees to carry a minimum of \$1,000,000.00 General Liability Insurance and \$500,000.00 Workmen's Compensation Insurance for the duration of the harvest and to provide the Seller with certificates of insurance confirming said insurance coverage, and to name the Seller as an additional insured on such policies for the period of harvest.
6. Care shall be exercised in the felling, cutting and removal operations so that undesignated standing trees will not be unnecessarily damaged.

7. Excessive rutting (greater than 8" in depth) shall be repaired by the Purchaser. The existing access roads will be left in the condition found or better by the Purchaser.

8. Purchaser shall take precautions to prevent spillage of petroleum products or hazardous materials while refueling or performing maintenance on harvesting equipment. The Purchaser shall indemnify and hold the Seller harmless for any and all damages, including attorney fees and civil penalties, for which the Seller may become liable as a result of any such spillage.

9. All trees designated for removal by the Purchaser shall be cut as low as possible and in such a manner that the stump mark of paint is visible.

10. The Purchaser shall be responsible for following all rules and regulations regarding the harvest of forest products in the State of Rhode Island and the State of Connecticut and the Towns of Burrillville and Thompson and for obtaining all permits required for such harvest.

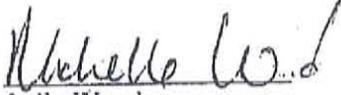
11. The Purchaser agrees to slash the tops from the timber harvested to a height not to exceed three feet above ground level.

12. In the case of a dispute over the terms of this agreement, a final decision shall rest with a reputable person, to be mutually agreed upon by the parties to this agreement. In the case of further disagreement, an arbitration board of three people will be selected, one by each party to the agreement and the third selected by those two, and the decision of the majority shall be final with respect either to acts to be done or compensation to be paid by either party to the other.

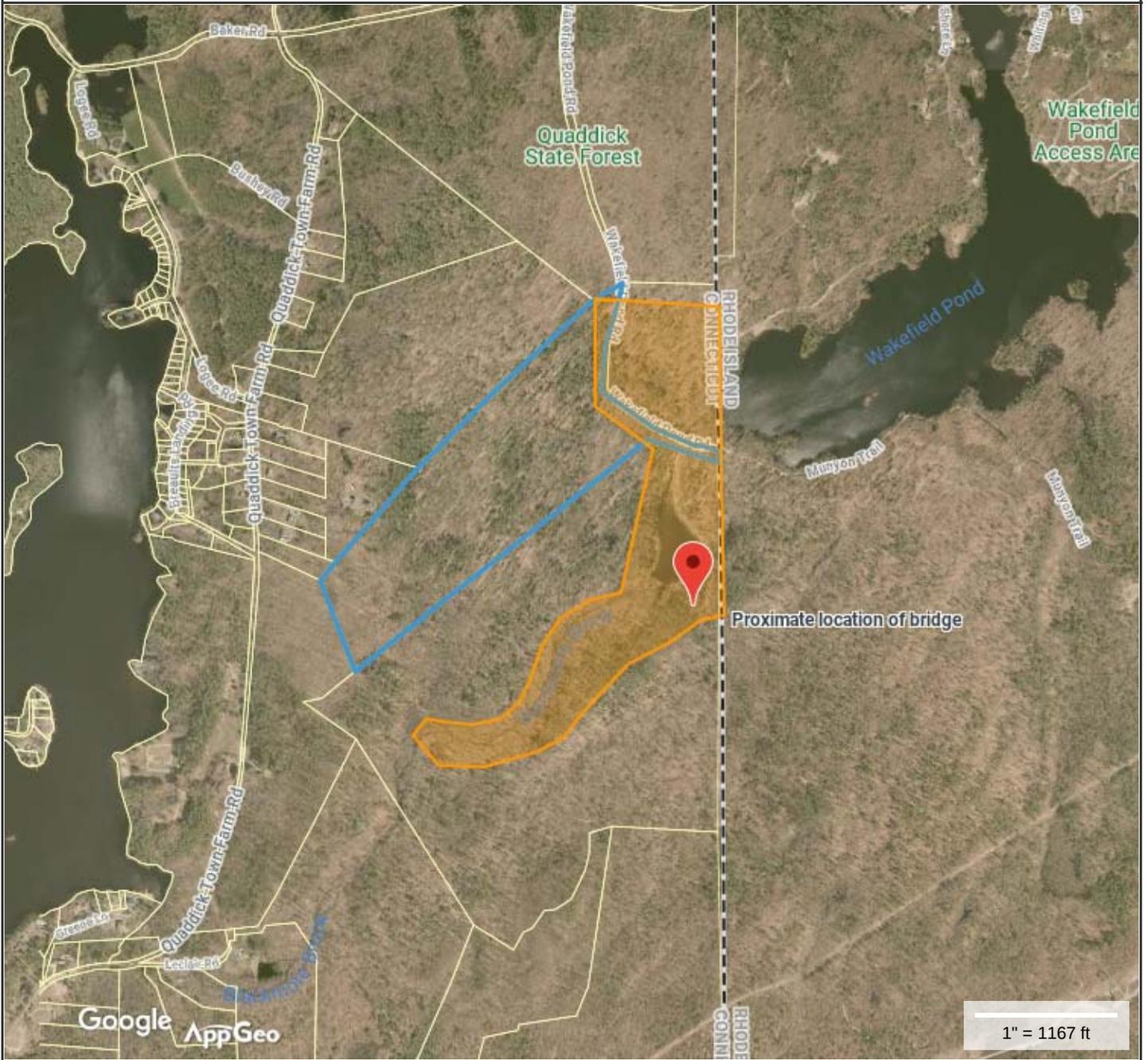
Dated this 3rd day of February, 2021

Hull Forest Products, Inc.

By 
Tim McCandless
Narragansett Council, Boy Scouts of America

By 
Michelle Wood
Hull Forest Products
CT DEEP # 1254
Duly Authorized

Application DEC21005 proximate location of timber harvest & bridge in CT



Property Information

Property ID 5048
 Location 0 SILVER BROOK RD
 Owner RHODE ISLAND BOY SCOUTS



**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

Agenda Item E.b) 3. New Applications

DEC21006, Nathan Chappell, 0 Sand Dam Rd.
(Assessor's map 133, block1, lot 3A), construct 10' X 6'
wooden structure over watercourse for viewing wildlife
and/or hunting as non-regulated use, received 2/26/2021



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

For Commission Use Only
Application #: DEC 21006
Received

FEB 26 2021

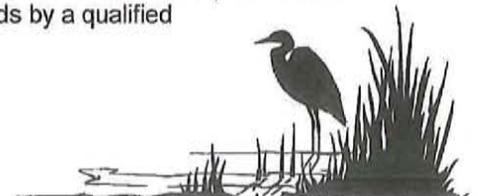
Thompson Wetlands Office

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: Nathan Chappell

b) Mailing Address: 1088 Thompson Rd
 (include town state zip) Thompson, CT 06277

c) Daytime Phone #: 860-942-7668

d) Evening Phone #: same

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: Vernon Butler

b) Mailing Address: 343A Sand Dam Rd
 (include town state zip) Thompson, CT 06277

c) Daytime Phone #: 617-966-8441

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>343A Sand Dam Rd</u>	<u>133</u>	<u>1</u>	<u>3A</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: 3 (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 - check one) No Yes (If Yes, then upland review area = 200 ft.)

5) Upland Review Area altered: 0 (in square feet)

For 6 & 7 below see 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: 10'x6' structure made from a combination of conventional and rough sawn lumber. The intended purpose of the structure, for the time being, is for viewing wildlife and/or hunting.

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 Permission¹

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.

Vernon Butler
(Signature of property owner)

2/26/21
Date

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

2) Applicant's Certification¹

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.

Vernon Butler
(Signature of applicant)

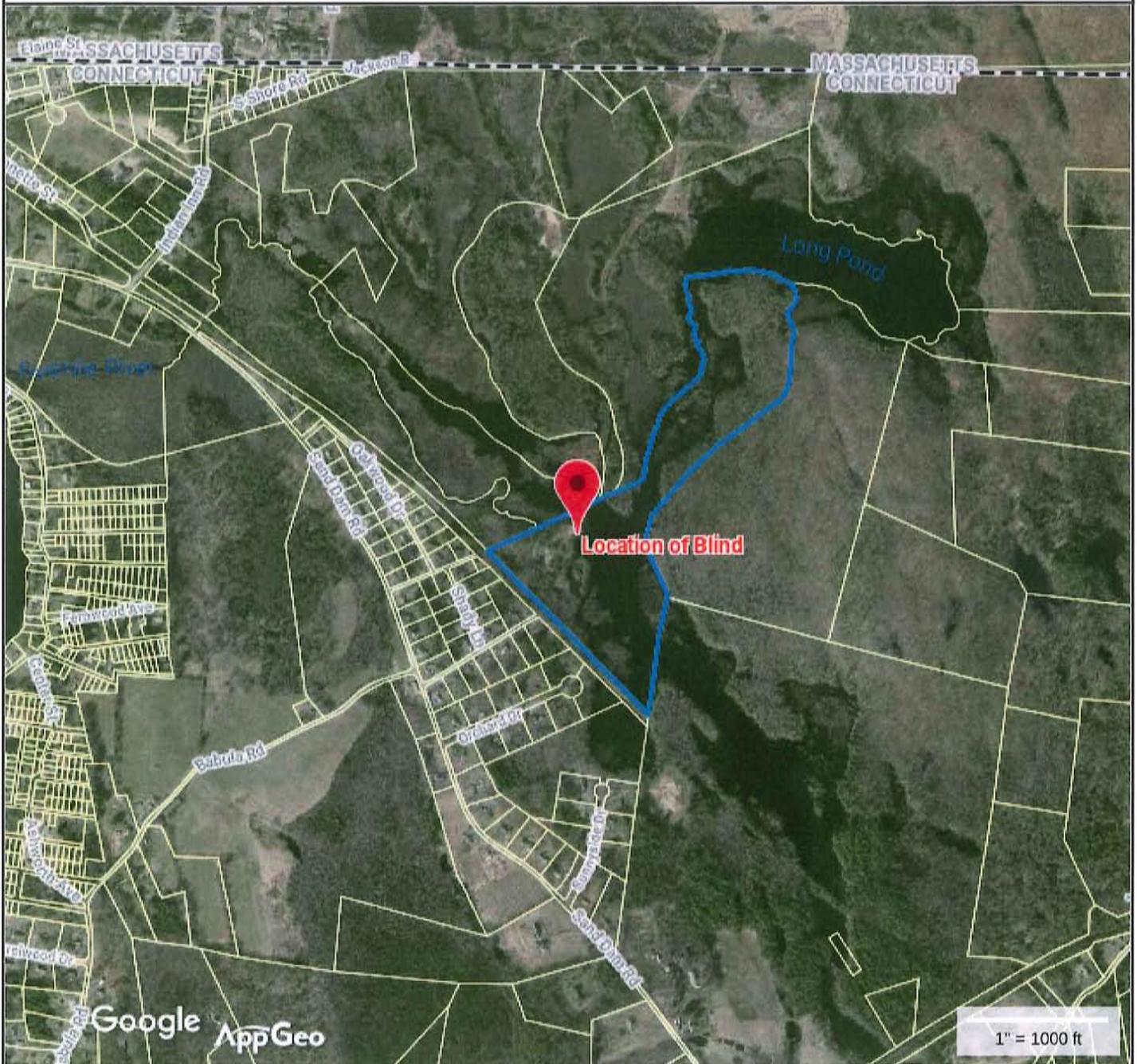
2/26/21
Date

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

*** For Commission Use Only ***	
Agency Response:	
IWC Chair Signature:	Date:

¹ 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.

DEC21005 Wildlife Blind Locus Map



Property Information

Property ID 3935
Location 0 SAND DAM RD
Owner BUTLER JULIE M + VERNON J

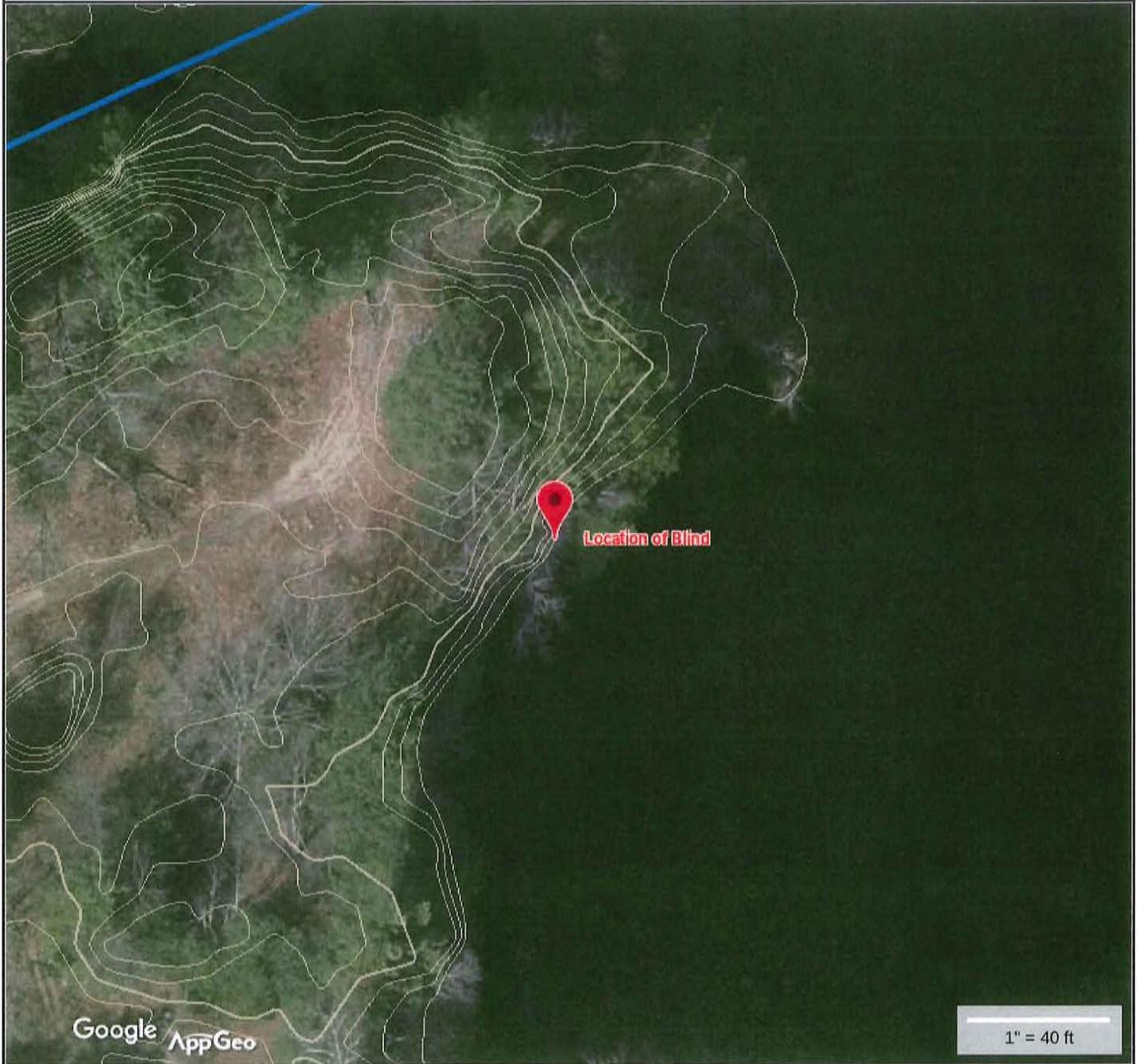


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Geometry updated September 21, 2020
Data updated March 20, 2019

DEC21005 Wildlife Blind Location



Property Information

Property ID 3935
Location 0 SAND DAM RD
Owner BUTLER JULIE M + VERNON J



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



E.c) 1. Applications Received After Agenda was
Published - None

F)a) Permit Extensions / Changes

IWA14019, Patricia Rudzinski, 0 Labby Rd. (Assessor's map 95, block 27, lot 17), requesting a 3 year extension of gravel removal permit to expire 10/14/24, received by Wetlands Office 3/3/2021.

March 3, 2021

Town of Thompson - Inland Wetlands Commission
Attn: Macla Butts, Wetlands Agent
815 Riverside Drive
North Grosvenordale, CT 06255

Dear Agent Butts,

Request for extension and modification of Permit IWA14019
for O Labby Rd.

On October 14, 2014 we received Inland Wetlands Permit
IWA 14019 for gravel removal within the 100 foot upland
review area. The permit was valid for 5 years until
October 14, 2019.

On July 11, 2019 the permit was extended for 2 more years
until October 14, 2021. Please consider a request for an
extension of 3 more years to October 14, 2024 to allow for the
continuing of gravel removal. CT General Statutes 22a-42a

Thank you.
Sincerely,

Patricia Rudzinski
196 Labby Rd.
N. Grosvenordale, CT 06255

Received

MAR 03 2021

Thompson Wetlands Office



Town of Thompson
Inland Wetlands Commission
815 Riverside Drive
North Grosvenordale, CT 06255
860-923-1852 (Office) 860-923-9897 (Fax)

Permit/Approval Extension

Date: June 11, 2019
Permit/Approval: IWA14019
Site Location: 0 Labby Road (Assessor's Map 95, Block 27, Lot 17)
Permittee Name & Mailing Address: Patricia Rudzinski
196 Labby Road
North Grosvenordale, CT 06255

Your Permit #IWA14019, which was scheduled to expire on October 14, 2019, was conditionally granted a two (2) year extension at the June 11, 2019 meeting of the Inland Wetlands Commission with the requirement that you submit in writing to the Commission at least 14 days in advance of allowing the mining of material by other operator(s) the name, mailing address, phone number of such operator(s) that are allowed by you to mine materials from this property as authorized by this permit (copy of minutes enclosed). The permit is now scheduled to expire on October 14, 2021. At least sixty-five (65) days prior to the new expiration date of October 14, 2021, you may request an additional extension of up to three (3) year, the maximum extension allowed by state statute. If you have any questions regarding your permit extension, please contact the Wetlands Agent at 860-923-1852 extension 1.

Sincerely,

George T. O'Neill, III
Chair, Thompson Inland Wetlands Commission

File: Extension of Permit IWA14019 to 10-14-2021.doc

Enclosure as Stated

cc: Thompson Zoning Enforcement Officer





Town of Thompson
Inland Wetlands Commission
815 Riverside Drive
North Grosvenordale, CT 06255
860-923-1852 (Office) 860-923-9897 (Fax)

May 14, 2019

Patricia Rudzinski
196 Labby Rd.
North Grosvenordale, CT 06255

RE: Question on Extension of Permit IWA14019
Assessor's Reference 95/27/17
0 Labby Road, Gravel Mine and Rich Road

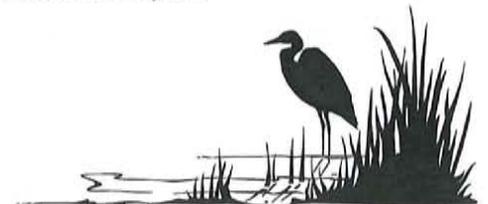
Dear Ms. Rudzinski,

The Inland Wetlands Commission has considered your request to extend Inland Wetlands Permit IWA14019 from October 14, 2019 to October 14, 2024. The Commission understands that you are not conducting the gravel mining yourself and since the passing of your husband (the original permittee) have allowed others to conduct mining operations on this property. The Commission is concerned that these other operators may not be unaware of the activities authorized by the permit and the regulatory / administrative requirements needed for any subsequent upgrades or repairs to Owen Adam Road and Rich Road. Additionally, the Commission has been advised that beavers have been active in the Long Branch Brook wetlands, impounding waters that may overtime affect conditions on Owen Adam Road and Rich Road.

Consequently, at this time the Commission will only consider approving an extension of Permit IWA14019 for two additional years, provided you are agreeable to a condition of that approval requiring you to submit in writing to the Commission at least 14 days in advance of allowing the mining of materials by other operator(s) the name, mailing address, phone number of such operator(s) allowed by you to mine materials from this property as contemplated by this permit. Near the end of the two year extension you can request up to three more years.

The Commission has also been advised that you have expressed an interest in selling the property. Given the complexity of access road maintenance and changes in environmental conditions it is not clear at this time that the Commission will grant a transfer of the permit to any new owner.

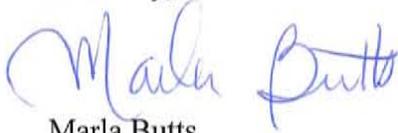
By June 10, 2019 please return a copy of this letter with your signature as indicated below. Should you object to the issuance of to the Commission and not return your



consent by that date, it is expected that the Commission will deny your request for extension.

If you have any questions, please feel free to contact me.

Sincerely,



Marla Butts
Wetlands Agent

File: ltr Permit IWA14019 extension proposal with condition.doc

cc: Thompson Zoning Enforcement Officer

Consent to the Grant Conditioned Permit IWA14019 Extension

I, Patricia Rudzinski, Permittee for Inland Wetlands Permit IWA14019 agree to the granting of a conditional extension as reference in the letter above.

Patricia Rudzinski

Dated

Agenda Item G.a. Violations & Pending Enforcement Actions

Cease & Restore Order VIOL20003 Scott Josey, 637 East Thompson Road, Assessor's map 154, block 5, lot 14: filling of wetlands and work within 100-foot upland review area, status of compliance with Cease & Restore Order.

Agenda Item G.b. Violations & Pending Enforcement Actions

VIOL20013, Adrienne Martin and Joseph Fagan, 208 Linehouse Rd, Assessor's map 36, block 70, lot 4, clearcutting of trees and earth moving work in 100-foot upland review area, status of compliance with Notice of Violation issued 5/14/2020 to remove the slash, pull back the soil along the eastern property boundary.

Agenda Item G.c. Violations & Pending Enforcement Actions

VIOL20033, Jennifer Burlingame & Robert Lemieux, Jr., 480 Quaddick Town Farm Rd., Assessor's map 158, block 20, lot 8K, filling / earthmoving within 100-foot upland review area and possibly within delineated wetlands. Status of Notice of Violation issued 8/6/2020.

Agenda Item H Other Business

- a) Actions on Complaint 20-05, Dumping of Debris on Town Property of Arrow Head & Hiawatha Drives







[Reply](#)[Forward](#)[Delete](#)**IW Complaint 20-05 closed [Re: Request to Erect Barrier and "No Dumping" signage on Town Property off Arrow Head & Hiawatha Drive]****Date:** Today, 01:23:18 PM CST**From:** wetlands@thompsonct.org**To:** dpwdirector@thompsonct.org**Cc:** [Kelly Genest](#) [Amy St.Onge, 1st Selectman](#) [Carolyn Werge, Conservation Officer](#) [Cynthia Dunne, ZEO](#) [Text \(3 KB\)](#)

Hi Rich, Based on your photos I have closed the complaint and will check on the site when I'm in the area to see how it's working to prevent continued dumping in the swamp. Thank for your help and cooperation. - Marla
Quoting dpwdirector@thompsonct.org:

[Hide Quoted Text]

Please see attached photos.

Quoting wetlands@thompsonct.org:

Thanks Rich. Hopefully once the barrier is installed area residents will get the message. Let me know once you get the barrier installed. Thanks again. - Marla
Quoting dpwdirector@thompsonct.org:

We are currently having a large oak tree removed on Chase Rd and will be using the large diameter butt logs from the base of the tree to form a barrier at the dump site on Hiawatha. I will order some no-dumping signs and install them once they arrive. I hope this to be a suitable means of blocking access to the property thus preventing any further issue.

Quoting wetlands@thompsonct.org:

Rich,

This is a request to have the Public Works erect a barrier and post no-dumping signs on Town property that borders Arrow Head & Hiawatha Drive (Assessor's map 141, block 17, lots 126, 127 & 128, see map and photos attached). This property contains a swamp (a.k.a. a watercourse by definition) that is being filled with woody and vegetative debris by parties unknown. This area drains directly into Quaddick Reservoir. Provided an effective barrier is erected and signage posted to stop the continued dumping of materials into wetlands, I have no plan to request the materials already placed be removed. Please let me know if you think there will be a problem performing this work by April 1, 2021. Thanks for your help. - Marla

--

Marla Butts
Thompson Wetlands Agent
860-923-1852, Ext. 1
wetlands@thompsonct.org

Richard G Benoit
Director of Public Works
Local Traffic Authority
Town of Thompson
815 Riverside Drive P.O. Box 899
North Grosvenordale, CT 06255

Office: 860-923-2680
dpwdirector@thompsonct.org

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Marla Butts
Thompson Wetlands Agent
860-923-1852, Ext. 1
wetlands@thompsonct.org

Richard G Benoit
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Local Traffic Authority
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Office: 860-923-2680
dpwdirector@thompsonct.org

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Marla Butts
Thompson Wetlands Agent
860-923-1852, Ext. 1
wetlands@thompsonct.org

Agenda Item H Other Business

- b) Requirements of Soil Scientist Qualifications - see <https://www.thompsonct.org/inland-wetlands-commission/pages/resources-advice>

SOIL SCIENTIST QUALIFICATIONS
FOR
THE STATE OF CONNECTICUT
INLAND WETLANDS AND WATERCOURSES ACT

In 1972, recognizing the importance of inland wetlands and watercourses, Connecticut's legislature enacted the Inland Wetlands and Watercourses Act (IWWA: sections 22a-36 through 22a-45 of the General Statutes of Connecticut). The IWWA defines "wetlands" as land, consisting of soil types designated as poorly drained, very poorly drained, alluvial, and floodplain by the National Cooperative Soils Survey. Since the Connecticut IWWA uses a soil-based definition of wetlands, a soil scientist is necessary to determine and delineate such wetlands. Therefore the IWWA also defines a "soil scientist" as an individual meeting standards set by the federal Office of Personnel Management. Various professional soil science organizations also "certify" a person as a soil scientist. This fact sheet will clarify the Connecticut IWWA definition of soil scientist and will describe how the standards of the federal Office of Personnel Management correspond to the membership criteria established by professional soil science organizations.

I. State of Connecticut Definition

- a. From the General Statutes of Connecticut (Revised to January 1, 2007), Title 22a, Chapter 440, Inland Wetlands and Watercourses Act

Section 22a-38. Definitions. (5) "Soil scientist" means an individual duly qualified in accordance with standards set by the federal Office of Personnel Management;

- i. From the U.S. Office of Personnel Management, Operating Manual for Qualification Standards for General Schedule Positions, Section IV-B (GS-470 Soil Science Series):

Qualification Standard for Soil Scientist:

- A degree in soil science or a closely related discipline that included 30 semester hours or equivalent in biological, physical, or earth science, with a minimum of 15 semester hours in such subjects as soil genesis, pedology, soil chemistry, soil physics, and soil fertility.

OR

- A combination of education and experience--courses equivalent to a major in soil science or a related discipline that included at least 30 semester hours in the biological, physical, or earth sciences. At least 15 of these semester hours must have been in the areas specified in A above, plus appropriate experience or additional education.

II. Professional Soil Science Organizations

a. Society of Soil Scientists of Southern New England (SSSSNE)

The SSSSNE annually publishes a listing of its members who meet their qualifications for Basic and Professional Members.

- i. *Basic Member* status requires a BS degree with 30 semester credit hours in the biological, physical, chemical, and earth sciences, with a minimum of 15 of these semester credits in soil science courses, meeting the following distribution, and approval of the Board of Directors:

- A minimum of three semester credits in Soil Genesis, Classification, Morphology, and Mapping.

AND

- The remaining soil science credits must be in at least three of the following six categories:

- 1) Introductory Soil Science
- 2) Soil Chemistry/Fertility
- 3) Soil Physics
- 4) Soil Microbiology/Biochemistry
- 5) Soil Survey Interpretations/Soils and Land Use/Soils and the Environment
- 6) Independent Study/Seminar/Geology (three-credit maximum)

NOTE: Course(s) must be related to soil science.

- ii. *Professional Member* status requires the qualifications of Basic Member, plus three years (full-time equivalent) experience in soil science, subject to approval of the Board of Directors. M.S. and Ph.D. degrees in soil science each count as one year of experience. Applicants must provide information detailing types and amount of soil science experience along with letters from two qualified soil scientists attesting to the applicant's qualifications and work experience.
- iii. *For Further Information:* <http://nesoil.com/ssssne/> OR Society of Soil Scientists of Southern New England, PO Box 258, Storrs, CT 06268

b. Soil Science Society of America Soil Certification (SSSA)

The SSSA provides a certification program for soil scientists. There are four certification options available:

- i. *Certified Professional Soil Scientist (CPSS)*
- ii. *Certified Professional Soil Classifier (CPSC)*
- iii. *Associate Professional Soil Scientist (APSS)*
- iv. *Associate Professional Soil Classifier (APSC)*

In general, eligibility requirements are:

- Minimum of a bachelor's degree with a major in the area for which application is made, or a closely allied field of science and meet the minimum core requirements.

Core requirements are 15 semester credits soil science (a soil classifier must include 5 semester hours in soil genesis, morphology, classification, interpretation, or mapping within the 15 semester credits of soil science), 6 semester credits plant or soil biology, and 3 semester credits additional core courses.

- Five years of professional experience, subsequent to the bachelor's degree, working in the area of certification. Experience while working toward an advanced degree does not qualify. Three years of experience is necessary for those with Masters degrees or PhD's.
- Five references familiar with work experience; at least one must be associated with applicant's employment.

As of January 1, 1998, qualification as a CPSS or CPSC requires passing two exams developed by the Soil Science Society of America (in addition to the requirements outlined in 1, 2, and 3 above):

Fundamentals exam – to be taken by graduating seniors and those without experience. After passing this exam, applicants would be APSS's or APSC's.

Professional practice exam – to be taken after required experience is achieved.

- v. *For Further Information:* <https://www.soils.org/certifications/cpsc-cpss/>
OR: ASA Headquarters, Member Services Dept., ATTN: Certification Programs, 677 S. Segoe Road, Madison, WI 53711; (608) 268-4957

III. Important:

- a. A soil scientist, meeting such definition as provided for in the Connecticut Inland Wetlands and Watercourses Act, does not need to be SSSA certified or listed in the Registry of the SSSSNE to delineate Connecticut wetlands.
- b. A soil scientist certified by one of the above mentioned professional soil scientist organizations meets the definition of soil scientist as provided for in Connecticut's Inland Wetlands and Watercourses Act.

Agenda Item H Other Business

1. c) Expert Testimony – see <https://portal.ct.gov/-/media/DEEP/water/wetlands/2014ExpertTestimonyOutlinepdf.pdf> & <https://portal.ct.gov/-/media/DEEP/water/wetlands/2016LegalWorkshopExpertTestimonySynopsispdf.pdf>

EXPERT WITNESS TESTIMONY IN AGENCY PROCEEDINGS

- An expert is a person with specialized knowledge arising from training or experience
- The commission may draw on the expertise of its own members, if expertise is properly disclosed on the record with the ability of the applicant or its/her/his expert to engage the issue(s)
- "Determining what constitutes an adverse impact on a wetland is a technically complex issue," frequently requiring expert testimony
- An expert's opinion as to *adverse impact to wetlands* is key to a commission's decision making
 - For example, an expert may claim that a proposed project will likely change the hydrology of a wetland, but without proof that such changes will have an *adverse impact* on those wetlands, a commission will lack substantial evidence in the record to support a denial (*AvalonBay Communities, Inc. v. Inland Wetlands & Watercourses Agency of the Town of Stratford*)
- To be meaningful, an expert's testimony must be based on "probability," not "potentiality," "concerns" and "possibilities" (*AvalonBay Communities, Inc. v. Inland Wetlands & Watercourses Agency of the Town of Stratford*)
 - Be very careful about experts who "have concerns" and otherwise pull their punches. Get them focused on the impact and whether it is adverse, and how it is adverse, etc.
- Every expert can be questioned
- Evaluating an expert's expertise
 - Develop the ability to ask relevant and probing questions, especially if the commission did not retain its own expert
 - What is the expert's area of expertise?
 - Is testimony offered on an issue within that area of expertise?
 - What facts did the expert consider to support his or her conclusions? Get specific.
 - What observations did the expert make? On site review? Paper review? (If the latter, upon what documents did she/he rely? What significance did she/he give them?)
 - What assumptions did the expert make?
 - Does the expert's conclusion follow from the facts, observations, and assumptions?
- Credibility and factual determinations are solely within the province of the commission; the commission is not required to believe any witness, even an expert

- Although a wetlands commission may disbelieve an expert, it cannot conclude that the opposite of the expert's testimony is true without supporting evidence of that conclusion
- In general, a lay commission without expertise in the subject matter may not substitute its own judgment for contrary expert testimony (*Feinson v. Conservation Commission*)
 - To do so without making public the basis of its decision and without offering the applicant an opportunity to rebut is to act arbitrarily and contrary to principles of fundamental fairness. (See above re disclosing the expertise of a commission member.)
 - The commission cannot disregard the only expert evidence on the issue when agency members lack their own expertise or knowledge (*Tanner v. Conservation Commission*)
 - Non-experts may offer reliable and substantial evidence (*Kaeser v. Conservation Commission*)
- Complex application fees, as provided for in the DEEP model regulations, can assist a commission in hiring its own expert, who, at a minimum, can review the applicant's expert testimony or reports. An amendment to the agency's regulations is needed to place the burden of paying for evaluations on to the applicant
- An expert may testify to the "significance," "quality," or "value" of a wetland, but no such distinction exists in the Inland Wetlands and Watercourses Act. "Significant" as used in the Act modifies "impact" not "wetland" or "watercourse"
 - The Act does not distinguish among wetlands and watercourses by value (but testimony about the nature and quality of the resource is not irrelevant); the emphasis is upon the impact and whether it is adverse
 - Section 22a-36. Inland Wetlands and Watercourses. Legislative Finding. "Such unregulated activity has had, and will continue to have, a significant, adverse impact on the ..."
 - Section 22a-42a(c)(1) "The inland wetlands agency shall not hold a public hearing on such application unless the inland wetlands agency determines that the proposed activity may have a significant impact on wetlands or watercourses"

EXPERT TESTIMONY

Expert testimony is a routine aspect of inland wetlands and watercourses application review, and it may figure prominently in commission order proceedings as well. Here are some basic pointers regarding how to handle expert presentations.

- Who is an "expert"?
 - An expert is someone who possesses specialized knowledge brought from training or experience (soil scientist, engineers of various stripes, ecologists, and so forth).
 - A municipal agency member may be an expert if he/she has such experience or training (but one is not an expert merely by virtue of being an agency member).
- Agency members in the public hearing context should develop or refine their ability to ask questions of any expert who presents before them, especially if the municipal inland wetlands agency cannot hire its own expert(s), as substantial evidence to support their determination may well rest upon a thorough exploration of what the expert before the agency is setting forth as an "expert opinion." (*Huck v. Inland Wetlands and Watercourses Commission*, 203 Conn. 525 (1987))¹
 - What is the expert's area of expertise and does the expertise of the expert elucidate the issue(s) before the agency about which a decision needs to be made?
 - Is testimony offered on an issue within that expert's area of expertise? (E.g., a "sanitary engineer" may be well capable of discussing the surficial surface water run-off impacts, but may not be professionally equipped to opine on the design requirements to cope with the run-off associated with the proposed development; one might need perhaps a civil engineer, a "P.E.", for that aspect of the proposal.)
 - What observations, and what kind of observations, did the expert make? For example, did the expert visit the site or did the expert formulate an opinion based on a paper or data-layer review?
 - What assumptions did the expert make? E.g., assumptions about design storms; or the capacity of the storm drain system, or the size of a detention basin relative to the projected size of a proposed development. Agency

¹ Reference is made to certain key cases that illustrate the summary comments. You are encouraged to read these for the fact patterns and the general discussion by the reviewing court.

members might want to inquire whether the expert has taken a conservative approach or is pushing the design envelope.

- What facts has the expert used to support his or her conclusions?
- Does the expert offer a conclusion(s) that reasonably follows from the facts, observations and assumptions?
- Every expert can (and should) be questioned, even about the testimony of other experts if there is more one similarly "expert" present and commenting on a particular aspect of the application. See, e.g., the *Huck* case.
- A municipal agency appropriately considers expert testimony and reports, submitted on behalf of parties/intervenors, as part of the record. An expert who shows up to speak during the public comment portion of a public hearing and is not presenting on behalf of a party or intervenor is really only offering "comment" like other members of the public. If, however, the agency offers such person the opportunity, if time allows, to provide comment under oath, then the testimony can be received as expert in nature, but it is subject to cross-examination by the parties to the application. (Agencies that are presented with this prospect, sometimes driven by neighborhood groups or associations wanting to make a more impactful presentation without intervening, need to be aware of the limitations on "public comment.")
 - If a municipal agency member is in fact an "expert," and wishes to apply that expertise to the consideration of a matter pending before the agency, it is incumbent upon that member to disclose that expertise on the record while the record is still "open," that is, prior to the time for deliberation.
 - By doing so, one neutralizes potential post-decision appeal allegations of surprise or bias or improper procedure by an applicant or intervenor, claiming that the agency did not afford the participant(s) a fundamentally fair proceeding on the application to conduct regulated activities (or on an order that has gone to hearing before the agency).
 - If it is important to understand whether the purported expertise of the applicant's expert is actually material and relevant to the issue(s) to be decided (see above), it is equally important for all and sundry to get a sense of whether the agency member's expertise also is material and relevant to the analysis of that issue or issues.
 - If an agency member discloses his/her expertise and actively opines on the expert issue(s) arising out of active consideration of a pending application, especially in the public hearing process, one should fully expect that the applicant's expert would/should have time to respond or even rebut the agency member's opinion, as the *Feinson* case observes (see below). (Note, the

distinction here is one between the agency member disclosing his/her expertise and actively opining on the expert issue(s) up for discussion in, say, the public hearing.)

- A lay commission without expertise in the area may not substitute its own judgment for contrary expert testimony. (*Feinson v. Conservation Commission*, 180 Conn. 421 (1980))
 - To do so without making public the basis of its decision and without offering the applicant an opportunity for rebuttal is to act arbitrarily and without fundamental fairness.
 - The municipal inland wetlands agency cannot disregard the only expert evidence on the issue when the agency members lack their own expertise or knowledge. (*Tanner v. Conservation Commission*, 15 Conn. App. 336 (1988))
 - For the rule in *Tanner* to apply, there has to exist on the record of the agency's proceeding an "absolute disregard of the unanimous contrary expert opinion." In *Tanner*, there were multiple experts and they were in agreement about the probable non-existence of any "adverse impact on the wetlands." This is the key issue, of course; that the experts had differing emphases or views of the proposed project based upon their particular subject matter expertise, did not mean that the commission could freely "pick and choose" among them as if there were a disagreement about the *adverse impact to the regulated resource(s)*.
 - Non-experts may offer reliable and substantial evidence (*Kaeser v. Conservation Commission*, 20 Conn. App. 309 (1989)), which may be relevant to an issue for determination by the agency; for example, "Every time we have a lot of rain, the water in the stream backs up behind the existing culvert over there." In other words, it is all of the evidence in the record on the issue of adverse impact, properly considered, and not a mere head count of experts that matters.
- Application fees can assist municipal inland wetlands agency with hiring their own expert(s) who, at a minimum, can review applicant's expert testimony or reports.
- Experts sometimes give opinions about their "concerns," or "*possible* impacts." That's mere speculation, and an agency shouldn't rely upon them. A properly prepared expert should be capable of rendering an opinion about what is "probable" or "reasonably likely" to occur respecting impacts. If the expert is not willing to commit to this level of prediction (and the agency should certainly ask about it), then the agency likely has good grounds to ignore the opinion altogether, and certainly ignore it in favor of a more definite opinion given by an opposing expert.

- Experts often testify on the "significance" of a wetland, but no such distinguishing standard exists in the Inland Wetlands and Watercourses Act (IWWA, "Act") to differentiate these resources as higher or lower on the scale of "value" – the term "significance" as used in the Act only modifies the word "impact" and not the words "wetland" or "watercourse." In other words, "impact" to a "low-value" wetland is nevertheless fully a "regulated activity" and is analyzed no differently than "impact" to a "high-value" wetland.
 - Section 22a-36 of the IWWA, the Legislative Finding, is crucial to understanding *what is subject to regulation and why*.
"... Such unregulated activity has had, and will continue to have, a significant, adverse impact on the ..."
 - Section 22a-42a(c)(1) "... The inland wetlands agency shall not hold a public hearing on such application unless the inland wetlands agency determines that the proposed activity may have a significant impact on wetlands or watercourses, ..."
 - As an example of expert assumptions that the agency needs to probe, the expert may have "assumed" that the wetland was of no great significance, and, therefore, planned activities to occur on the site that otherwise would properly constitute an "impact" and under the guidance provided by the Act be subject to avoidance, or less impactful alternatives.

Agenda Item I Reports

1 Budget & Expenditures

2 Wetlands Agent Report

Agenda Item J, Correspondence

DEEP License 20201501-IW, wetlands permit for rehabilitation of I-395 Bridge No. 06706 over unnamed brook

Connecticut Department of Energy and Environmental Protection License*

USACE CT GP - Pre-Construction Notification Approval
Inland Wetlands & Watercourses Permit

Licensee(s):	Connecticut Department of Transportation
Licensee Address(s):	2800 Berlin Turnpike Newington, CT 06111
License Number(s):	202015100-PCN 202015101-IW
Municipality:	Thompson
Project Description:	Rehabilitation of Bridge No. 06706
Project Address/Location:	I-395, Thompson CT 06277
Waters:	Unnamed Brook
Authorizing CT Statute(s) and/or Federal Law:	Section 401 CWA (33 USC 1341); CGS Section 22a-36 to 45
Applicable Regulations of CT State Agencies:	22a-426-1 to 9, 22a-39-1 to 15
Agency Contact:	Land & Water Resources Division, Bureau of Water Protection & Land Reuse, 860-424-3019
License Expiration:	IW-Five (5) years from the date of issuance of this license. PCN- Upon expiration of the Department of Army CT General Permit, August 19, 2021.
Project Site Plan Set:	<i>Rehabilitation of Bridge No. 06706 Interstate 395 Over Brook, 6 sheets, prepared by CTDOT, Office of Engineering, dated 8/18/2020.</i>
License Enclosures:	LWRD General Conditions, WQC CT GP Conditions, LWRD Compliance Certification Form, LWRD Work Commencement Form

*Connecticut's Uniform Administrative Procedure Act defines License to include, "the whole or part of any agency permit, certificate, approval, registration, charter or similar form of permission required by law . . ."

Authorized Activities:

The Licensee is hereby authorized to conduct the following work as described in applications #202015100-PCN & 202015101-IW and as depicted on any site plan sheets / sets cited herein:

1. Permanently impact 1,805 square feet (sf) and temporarily impact 80 square feet (sf) of watercourse due to the rehabilitation of bridge no. 06706, consisting of:
 - a. Install anti-tracking pads and sedimentation control system as shown in the plans.
 - b. Perform clearing and grubbing and control invasive species to allow for access.
 - c. Construct permanent access road as shown in the general plan.
 - d. Install water handling cofferdam as shown in the water handling plan provided in the project site plan set.
 - e. Install bypass hose through existing culvert as shown in the water handling schematic of the aforementioned water handling plan.
 - f. Redirect flow through bypass hose to maintain existing flow while the area within the cofferdam limits remains dry.
 - g. Slipline Bridge No. 06706 by assembling segmental culvert liner around bypass hose. After installation of culvert liner is complete, pump grout into annular space using grout ports.
 - h. Install natural streambed material at inlet and outlet.
 - i. Once the installation of the liner and grouting is complete, remove bypass hose and water handling cofferdam to maintain flow through the culvert with liner.
 - j. Remove sedimentation control system and anti-tracking pads.
 - k. Establish vegetation in disturbed areas with plantings as shown in the planting plan.
 - l. Remove overall erosion and sedimentation controls upon permanent stabilization.

Failure to comply with the terms and conditions of this license shall subject the Licensee and / or the Licensee's contractor(s) to enforcement actions and penalties as provided by law.

This license is subject to the following Terms and Conditions:

1. **License Enclosure(s) and Conditions.** The Licensee shall comply with all applicable terms and conditions as may be stipulated within the License Enclosure(s) listed above.

LWRD General Conditions

- 1. Land Record Filing (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice with a stamp or other such proof of filing with the municipality shall be submitted to the Commissioner no later than sixty (60) days after license issuance. If a Land Record Filing form is not enclosed and the work site is not associated with an upland property, no filing is required.
- 2. Contractor Notification.** The Licensee shall give a copy of the license and its attachments to the contractor(s) who will be carrying out the authorized activities prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Licensee's contractor(s) shall conduct all operations at the site in full compliance with the license and, to the extent provided by law, may be held liable for any violation of the terms and conditions of the license. At the work site, the contractor(s) shall, whenever work is being performed, have on site and make available for inspection a copy of the license and the authorized plans.
- 3. Work Commencement¹.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to the Commissioner, on the Work Commencement Form attached hereto, the name(s) and address(es) of all contractor(s) employed to conduct such work and the expected date for commencement and completion of such work, if any.
 - For water diversion activities authorized pursuant to 22a-377(c)-1 of the Regulations of Connecticut State Agencies, the Licensee shall also notify the Commissioner in writing two weeks prior to initiating the authorized diversion.
 - For emergency activities authorized pursuant Connecticut General Statutes Section 22a-6k, the Licensee shall notify the Commissioner, in writing, of activity commencement at least one (1) day prior to construction and of activity completion no later than five (5) days after conclusion.
- 4. For Coastal Licenses Only - License Notice.** The Licensee shall post the first page of the License in a conspicuous place at the work area while the work authorized therein is undertaken.
- 5. Unauthorized Activities.** Except as specifically authorized, no equipment or material, including but not limited to, fill, construction materials, excavated material or debris, shall be

¹ The Work Commencement condition and the need for a Work Commencement Form is not applicable to Flood Management Certification approvals.

deposited, placed or stored in any wetland or watercourse on or off-site. The Licensee may not conduct work within wetlands or watercourses other than as specifically authorized, unless otherwise authorized in writing by the Commissioner. Tidal wetlands means “wetland” as defined by section 22a-29 and “freshwater wetlands and watercourses” means “wetlands” and “watercourses” as defined by section 22a-38.

6. **Unconfined Instream Work.** Unless otherwise noted in a condition of the license, the following conditions apply to projects in non-coastal waters:
 - Unconfined instream work is limited to the period June 1 through September 30.
 - Confinement of a work area by cofferdam techniques using sand bag placement, sheet pile installation (vibratory method only), portadam, or similar confinement devices is allowed any time of the year. The removal of such confinement devices is allowed any time of the year.
 - Once a work area has been confined, in-water work within the confined area is allowed any time of the year.
 - The confinement technique used shall completely isolate and protect the confined area from all flowing water. The use of silt boom/curtain or similar technique as a means for confinement is prohibited.
7. **For State Actions Only - Material or Equipment Storage in the Floodplain.** Unless approved by a Flood Management Exemption, the storage of any materials at the site which are buoyant, hazardous, flammable, explosive, soluble, expansive, radioactive, or which could in the event of a flood be injurious to human, animal or plant life, below the elevation of the five-hundred (500) year flood is prohibited. Any other material or equipment stored at the site below said elevation by the Licensee or the Licensee's contractor must be firmly anchored, restrained or enclosed to prevent flotation. The quantity of fuel stored below such elevation for equipment used at the site shall not exceed the quantity of fuel that is expected to be used by such equipment in one day. In accordance with the licensee’s Flood Contingency Plan, the Licensee shall remove equipment and materials from the floodplain during periods when flood warnings have been issued or are anticipated by a responsible federal, state or local agency. It shall be the Licensee’s responsibility to obtain such warnings when flooding is anticipated.
8. **Temporary Hydraulic Facilities for Water Handling.** If not reviewed and approved as a part of the license application, temporary hydraulic facilities shall be designed by a qualified professional and in accordance with the *Connecticut Guidelines for Soil Erosion and Sediment Control*, the *2004 Connecticut Stormwater Quality Manual*, or the *Department of Transportation’s ConnDOT Drainage Manual*, as applicable. Temporary hydraulic facilities may include channels, culverts or bridges which are required for haul roads, channel relocations, culvert installations, bridge construction, temporary roads, or detours.
9. **Excavated Materials.** Unless otherwise authorized, all excavated material shall be staged and managed in a manner which prevents additional impacts to wetlands and watercourses.
10. **Best Management Practices.** The Licensee shall not cause or allow pollution of any wetlands or watercourses, including pollution resulting from sedimentation and erosion. In constructing

or maintaining any authorized structure or facility or conducting any authorized activity, or in removing any such structure or facility, the Licensee shall employ best management practices to control storm water discharges, to prevent erosion and sedimentation, and to otherwise prevent pollution of wetlands and other waters of the State. For purposes of the license, “pollution” means “pollution” as that term is defined by CGS section 22a-423. Best Management Practices include, but are not limited, to practices identified in the *Connecticut Guidelines for Soil Erosion and Sediment Control* as revised, *2004 Connecticut Stormwater Quality Manual*, Department of Transportation’s *ConnDOT Drainage Manual* as revised, and the Department of Transportation Standard Specifications as revised.

11. Work Site Restoration. Upon completion of any authorized work, the Licensee shall restore all areas impacted by construction, or used as a staging area or accessway in connection with such work, to their condition prior to the commencement of such work.

12. Inspection. The Licensee shall allow any representative of the Commissioner to inspect the project location at reasonable times to ensure that work is being or has been conducted in accordance with the terms and conditions of this license.

13. Change of Use. (Applies only if a use is specified within the License “Project Description”)

- a. The work specified in the license is authorized solely for the purpose set forth in the license. No change in purpose or use of the authorized work or facilities as set forth in the license may occur without the prior written approval of the Commissioner. The Licensee shall, prior to undertaking or allowing any change in use or purpose from that which is authorized by this license, request permission from the Commissioner for such change. Said request shall be in writing and shall describe the proposed change and the reason for the change.
- b. A change in the form of ownership of any structure authorized herein from a rental/lease commercial marina to a wholly-owned common interest community or dockominium may constitute a change in purpose as specified in paragraph (a) above.

14. De Minimis Alteration. The Licensee shall not deviate from the authorized activity without prior written approval from the Commissioner. The Licensee may request a de minimis change to any authorized structure, facility, or activity. A de minimis alteration means a change in the authorized design, construction or operation that individually and cumulatively has minimal additional environmental impact and does not substantively alter the project as authorized.

- For diversion activities authorized pursuant to 22a-377(c)-2 of the Regulations of Connecticut State Agencies, a de minimis alteration means an alteration which does not significantly increase the quantity of water diverted or significantly change the capacity to divert water.

15. Extension Request. The Licensee may request an extension of the license expiration date. Such request shall be in writing and shall be submitted to the Commissioner at least thirty (30) days prior to the license expiration. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. It shall be the Commissioner’s sole discretion to grant or deny such request.

- 16. Compliance Certification.** Not later than 90 days after completion of the authorized work, the Licensee shall prepare and submit to the Commissioner the attached Compliance Certification Form. Such Compliance Certification shall be completed, signed, and sealed by the Licensee and a Connecticut Licensed Design Professional. If non-compliance is indicated on the form, or the Commissioner has reason to believe the activities and/or structures were conducted in non-compliance with the license, the Commissioner may require the Licensee to submit as-built plans as a condition of this license.
- 17. Maintenance.** The Licensee shall maintain all authorized structures or work in optimal condition or shall remove such structures or facility and restore the affected waters to their pre-work condition. Any such maintenance or removal activity shall be conducted in accordance with applicable law and any additional approvals required by law.
- 18. No Work After License Expiration.** Work conducted after the license expiration date is a violation of the license and may subject the licensee to enforcement action, including penalties, as provided by law.
- 19. License Transfer.** The license is not transferable without prior written authorization of the Commissioner. A request to transfer a license shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Licensee's obligations under the license shall not be affected by the passage of title to the license site to any other person or municipality until such time as a transfer is approved by the Commissioner.
- 20. Document Submission.** Any document required to be submitted to the Commissioner under the license or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:
- Regulatory Section
Land & Water Resources Division
Department of Energy and Environmental Protection
79 Elm Street
Hartford, Connecticut 06106-5127
860-424-3019
- 21. Date of Document Submission.** The date of submission to the Commissioner of any document required by the license shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under the license, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three (3) days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in the license, the word "day" as used in the license means calendar day. Any document or action which is required by the license to be submitted or performed by a date which falls on a Saturday, Sunday or a Connecticut or federal holiday shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or a Connecticut or federal holiday.
- 22. Certification of Documents.** Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under the license shall be signed by the Licensee and by the individual or individuals responsible for actually preparing such

document, each of whom shall certify in writing as follows: “I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense.”

23. Accuracy of Documentation. In evaluating the application for the license, the Commissioner has relied on information and data provided by the Licensee and on the Licensee’s representations concerning site conditions, design specifications and the proposed work, including but not limited to representations concerning the commercial, public or private nature of the work or structures, the water-dependency of said work or structures, its availability for access by the general public, and the ownership of regulated structures or filled areas. If such information proves to be false, deceptive, incomplete or inaccurate, the license may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.

24. Limits of Liability. In granting the license, the Commissioner has relied on all representations of the Licensee, including information and data provided in support of the Licensee’s application. Neither the Licensee’s representations nor the issuance of the license shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.

25. Reporting of Violations. In the event that the Licensee becomes aware that they did not or may not comply, or did not or may not comply on time, with any provision of this license or of any document incorporated into the license, the Licensee shall immediately notify the agency contact specified within the license and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the agency contact, the Licensee shall provide, for the agency’s review and written approval, a report including the following information:

- a. the provision(s) of the license that has been violated;
- b. the date and time the violation(s) was first observed and by whom;
- c. the cause of the violation(s), if known;
- d. if the violation(s) has ceased, the duration of the violation(s) and the exact date(s) and times(s) it was corrected;
- e. if the violation(s) has not ceased, the anticipated date when it will be corrected;
- f. steps taken and steps planned to prevent a reoccurrence of the violation(s) and the date(s) such steps were implemented or will be implemented; and
- g. the signatures of the Licensee and of the individual(s) responsible for actually preparing such report.

If the violation occurs outside of normal business hours, the Licensee shall contact the Department of Energy and Environmental Protection Emergency Dispatch at 860-424-3333. The Licensee shall comply with any dates which may be approved in writing by the

Commissioner.

- 26. Revocation/Suspension/Modification.** The license may be revoked, suspended, or modified in accordance with applicable law.
- 27. Other Required Approvals.** License issuance does not relieve the Licensee of their obligations to obtain any other approvals required by applicable federal, state and local law.
- 28. Rights.** The license is subject to and does not derogate any present or future property rights or powers of the State of Connecticut, and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the property or activity affected hereby.
- 29. Condition Conflicts.** In the case where a project specific special condition listed on the license differs from, or conflicts with, one of the general conditions listed herein, the project specific special condition language shall prevail. It is the licensee's responsibility to contact the agency contact person listed on the license for clarification if needed prior to conducting any further regulated activities.

**Section 401 Water Quality Certification Conditions for Department of the Army (Corps of Engineers)
General Permits for the State of Connecticut**

1. **Rights.** This certificate is subject to and does not derogate any present or future property rights or other rights or powers of the State of Connecticut, and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state, or local laws or regulations pertinent to the property or activity affected hereby. This certification does not comprise the permits or approvals as may be required by Chapters 440, 446i, 446j and 446k of the Connecticut General Statutes.
2. **Expiration of Certificate.** The Section 401 Water Quality Certifications contained herein shall be valid until such time as the Department of the Army General Permits for the State of Connecticut expires or is modified, suspended, revoked or reissued.
3. **Compliance with Certificate.** All work and all activities authorized herein conducted by the permittee at the site shall be consistent with the terms and conditions of this certificate. Any regulated activities carried out at the site, including but not limited to, construction of any structure, excavation, fill, obstruction, or encroachment, that are not specifically identified and authorized herein shall constitute a violation of this certificate and may result in its modification, suspension, or revocation. In carrying out the certified discharge(s) authorized herein, the permittee shall not store equipment or construction material, or discharge any material including without limitation, fill, construction materials or debris in any wetland or watercourse on or off site unless specifically authorized by this certificate. Upon initiation of the activities authorized herein, the permittee thereby accepts and agrees to comply with the terms and conditions of this certificate.
4. **Transfer of Certificate.** This authorization is not transferable without the written consent of the Commissioner.
5. **Reliance on Application.** In evaluating the permittee's application, the Commissioner has relied on information provided by the permittee. If such information subsequently proves to be false, deceptive, incomplete or inaccurate, this certificate may be modified, suspended or revoked.
6. **Best Management Practices.** In constructing or maintaining the activities authorized herein, the permittee shall employ best management practices, consistent with the terms and conditions of this certificate, to control storm water discharges and erosion and sedimentation and to prevent pollution. Such practices to be implemented by the permittee at the site include, but are not necessarily limited to:
 - a. Prohibiting dumping of any quantity of oil, chemicals or other deleterious material on the ground;
 - b. Immediately informing the Commissioner's Oil and Chemical Spill Response Division at (860) 424-3338 (24 hours) of any adverse impact or hazard to the environment, including any discharges, spillage, or loss of oil or petroleum or chemical liquids or solids, which occurs or is likely to occur as the direct or indirect result of the activities authorized herein;
 - c. Separating staging areas at the site from the regulated areas by silt fences or straw/hay bales at all times;
 - d. Prohibiting storage of any fuel and refueling of equipment within twenty-five (25) feet from any wetland or watercourse;

- e. Preventing pollution of wetlands and watercourses in accordance with the document "Connecticut Guidelines for Soil Erosion and Sediment Control" as revised. Said controls shall be inspected by the permittee for deficiencies at least once per week and immediately after each rainfall and at least daily during prolonged rainfall. The permittee shall correct any such deficiencies within 48 hours of said deficiencies being found;
- f. Stabilizing disturbed soils in a timely fashion to minimize erosion. If a grading operation at the site will be suspended for a period of thirty (30) or more consecutive days, the permittee shall, within the first seven (7) days of that suspension period, accomplish seeding and mulching or take such other appropriate measures to stabilize the soil involved in such grading operation. Within seven (7) days after establishing final grade in any grading operation at the site the permittee shall seed and mulch the soil involved in such grading operation or take such other appropriate measures to stabilize such soil until seeding and mulching can be accomplished.
- g. Prohibiting the storage of any materials at the site which are buoyant, hazardous, flammable, explosive, soluble, expansive, radioactive, or which could in the event of a flood be injurious to human, animal or plant life, below the elevation of the five hundred (500) year flood. Any other material or equipment stored at the site below said elevation by the permittee or the permittee's contractor must be firmly anchored, restrained or enclosed to prevent flotation. The quantity of fuel stored below such elevation for equipment used at the site shall not exceed the quantity of fuel that is expected to be used by such equipment in one day.
- h. Immediately informing the Commissioner's Land & Water Resources Division at (860) 424-3019 and the U.S. Army Corps of Engineers at (978) 318-8879, of the occurrence of pollution or other environmental damage resulting from construction or maintenance of the authorized activity or any construction associated therewith in violation of this certificate. The permittee shall, no later than 48 hours after the permittee learns of a violation of this certificate, report same in writing to the Commissioner. Such report shall contain the following information:
 - (i) the provision(s) of this certificate that has been violated;
 - (ii) the date and time the violation(s) was first observed and by whom;
 - (iii) the cause of the violation(s), if known
 - (iv) if the violation(s) has ceased, the duration of the violation(s) and the exact date(s) and times(s) it was corrected;
 - (v) if the violation(s) has not ceased, the anticipated date when it will be corrected;
 - (vi) steps taken and steps planned to prevent a reoccurrence of the violation(s) and the date(s) such steps were implemented or will be implemented;
 - (vii) the signatures of the permittee and of the individual(s) responsible for actually preparing such report, each of whom shall certify said report in accordance with condition 7 of this certificate.

For information and technical assistance, contact the DEEP Land and Water Resources Division at (860) 424-3019.

7. Unconfined Instream Work; Installation and Removal of Confining Structures.

- Unconfined instream work is limited to the period June 1 through September 30.
- Confinement of a work area by cofferdam techniques using sand bag placement, sheet pile installation (vibratory method only), portadam, or similar confinement devices is allowed any time of the year unless specifically prohibited by a permit condition.

- The removal of such confinement devices is allowed any time of the year unless specifically prohibited by a permit condition.
 - The confinement technique used shall completely isolate and protect the confined area from all flowing water. The use of silt boom/curtain or similar technique as a means for confinement is prohibited.
 - Once a work area has been confined, in-water work within the confined area is allowed any time of the year.
8. **Certification of Documents.** Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under this certificate shall be signed by the permittee, a responsible corporate officer of the permittee, a general partner of the permittee, or a duly authorized representative of the permittee and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes."

9. **Submission of Documents.** The date of submission to the Commissioner of any document required by this certificate shall be the date such document is received by the Commissioner. Except as otherwise specified in this certificate, the word "day" as used in this certificate means the calendar day. Any document or action which falls on a Saturday, Sunday, or legal holiday shall be submitted or performed by the next business day thereafter.

Any document or notice required to be submitted to the Commissioner under this certificate shall, unless otherwise specified in writing by the Commissioner, be directed to:

Director, Land and Water Resources Division
Bureau of Water Protection and Land Reuse
Department of Environmental Protection
79 Elm Street
Hartford, Connecticut 06106-5127



LWRD Work Commencement Form

To: Regulatory Section
Department of Energy and Environmental Protection
Land & Water Resources Division
79 Elm Street
Hartford, CT 06106-5127

Licensee Name: Connecticut Department of Transportation
Municipality in which the project is occurring: 202015100 & 202015101
DEEP License No(s): Thompson

CONTRACTOR(s):

1 Name: _____
Address: _____
Telephone: _____
E-mail: _____

2 Name: _____
Address: _____
Telephone: _____
E-mail: _____

3 Name: _____
Address: _____
Telephone: _____
E-mail: _____

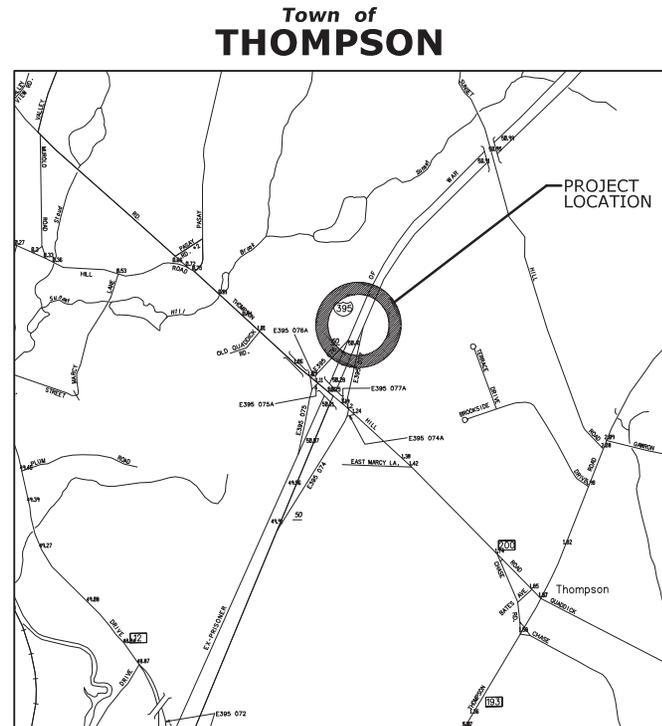
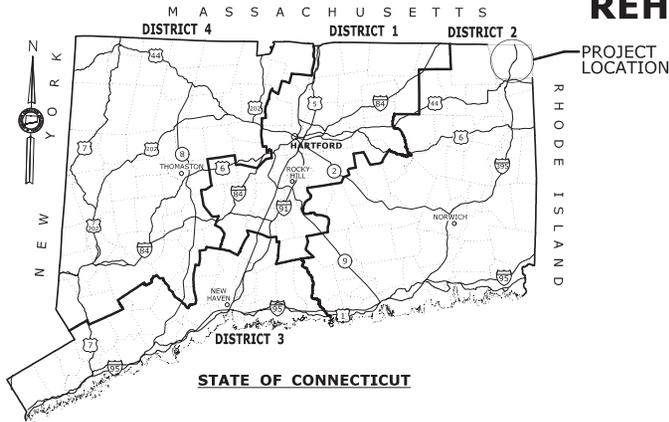
Date Contractor(s) received a copy
of the license and approved plans: _____

EXPECTED DATE OF COMMENCEMENT OF WORK: _____

EXPECTED DATE OF COMPLETION OF WORK: _____

LICENSEE: _____
(Signature) (Date)

ENVIRONMENTAL PERMIT PLANS STATE PROJECT NO. 0141-0156 REHABILITATION OF BRIDGE NO. 06706 INTERSTATE 395 OVER BROOK



LOCATION PLAN
1" = 500'

GENERAL NOTES:

1. THESE PLANS ARE INTENDED ONLY FOR ENVIRONMENTAL PERMITTING PURPOSES. THESE PLANS HOLD AUTHORITY FOR ALL ACTIVITIES CONCERNING THE REGULATED AREA, FOR DETAILED PLANIMETRIC INFORMATION AND PAYMENT REFER TO THE APPLICABLE CONTRACT DOCUMENTS.
2. THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO DEEP AND USACE FOR CHANGES TO THE DESIGN THAT WILL AFFECT REGULATED AREAS.
3. FOR A DESCRIPTION OF THE WATERCOURSES, WETLANDS AND WETLAND SOILS SEE RELEVANT SECTIONS OF THE PERMIT APPLICATION.
4. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 83, VERTICAL DATUM BASED ON NAVD 1988.
5. ALL CONSTRUCTION ACTIVITIES WILL BE CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROADS, BRIDGE AND INCIDENTAL CONSTRUCTION, FORM 818, SECTION 1.10 AND WILL ALSO FOLLOW REQUIRED BEST MANAGEMENT PRACTICES (BMPs) AND SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH THE 2002 EROSION & SEDIMENTATION CONTROL GUIDELINES AND THE 2004 STORMWATER QUALITY MANUAL.

LIST OF DRAWINGS	
DRAWING NO.	DRAWING TITLE
PMT-01	TITLE SHEET
PMT-02	GENERAL SITE PLAN
PMT-03	WETLAND/WATERCOURSE IMPACT PLAN
PMT-04	ELEVATIONS & SECTION PLAN
PMT-05	STAGING AND WATER HANDLING PLAN
PMT-06	PLANTING PLAN

DESIGNED BY:
Weston & Sampson
273 Cheshire Road, Rocky Hill, CT 06067
860.512.1473 888.5AMPTON
www.westonandsampson.com



Digitally signed
by Peter Grady
Date: 2020.09.14
09:44:03-0400'

PLAN DATE: SEPTEMBER 10, 2020

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 9/10/2020

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OR ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
KAC
CHECKED BY:
ALN
SCALE IN FEET
0 40 80
SCALE 1"=40'

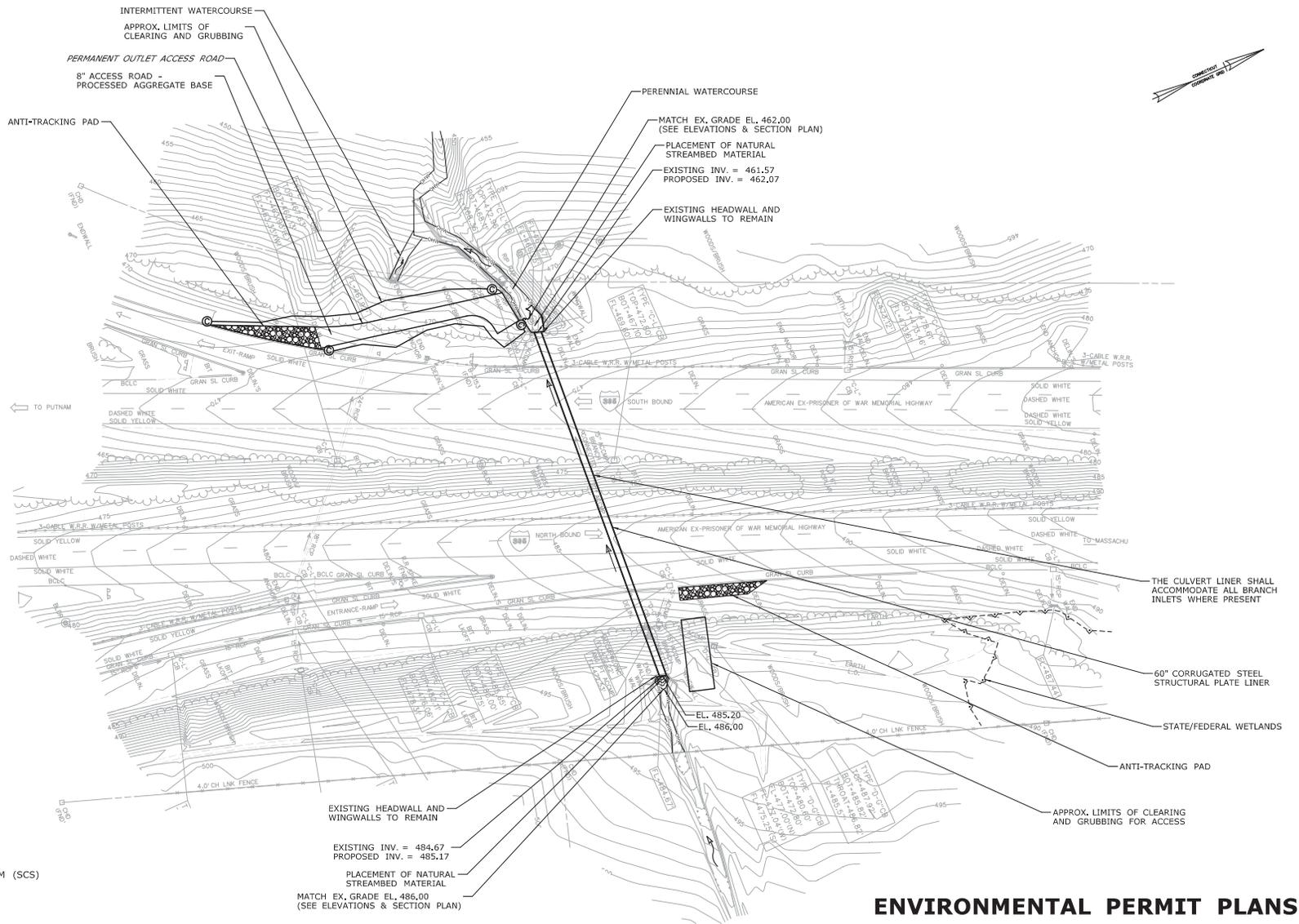


SIGNATURE/
BLOCK:

PROJECT TITLE:
**REHABILITATION OF
BRIDGE NO. 06706
INTERSTATE 395 OVER BROOK**

TOWN:
THOMPSON
DRAWING TITLE:
TITLE SHEET

PROJECT NO.
141-156
DRAWING NO.
PMT-01
SHEET NO.



LEGEND

- OHW — ORDINARY HIGH WATER (OHW)
- - - STATE/FEDERAL WETLANDS
- SEDIMENTATION CONTROL SYSTEM (SCS)

NOTE A
THE ENTIRE PROJECT SITE IS NOT WITHIN A FEMA FLOOD ZONE.

EXISTING HEADWALL AND WINGWALLS TO REMAIN

EXISTING INV. = 484.67
PROPOSED INV. = 485.17

PLACEMENT OF NATURAL STREAMBED MATERIAL
MATCH EX. GRADE EL. 486.00
(SEE ELEVATIONS & SECTION PLAN)

ENVIRONMENTAL PERMIT PLANS

PLAN DATE: **AUGUST 20, 2020**

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OR ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

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KAC
CHECKED BY:
ALN
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SCALE 1"=40'



SIGNATURE/BLOCK:

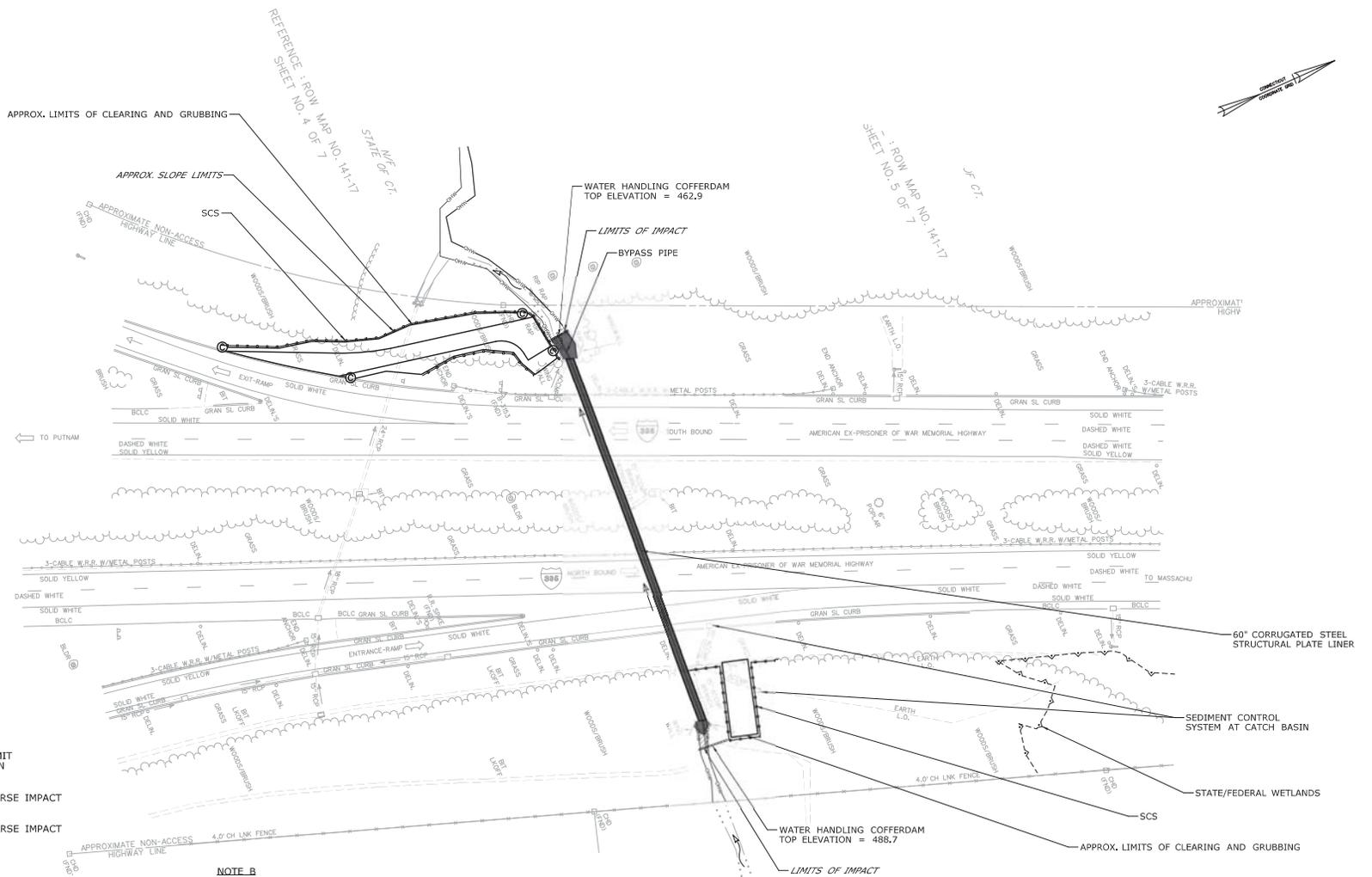
PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 06706 INTERSTATE 395 OVER BROOK

TOWN:
THOMPSON
DRAWING TITLE:
GENERAL SITE PLAN

PROJECT NO.
141-156
DRAWING NO.
PMT-02
SHEET NO.

Printed Date: 8/20/2020

Filename: ...\\HW_MBT_141_156_PMT_02_GEP-SITE-PLAN.dwg



LEGEND

THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO THE DEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- TEMPORARY WETLAND/WATERCOURSE IMPACT
- PERMANENT WETLAND/WATERCOURSE IMPACT
- OHW
- STATE/FEDERAL WETLANDS
- SEDIMENTATION CONTROL SYSTEM (SCS)

NOTE A
THE ENTIRE PROJECT SITE IS NOT WITHIN A FEMA FLOOD ZONE.

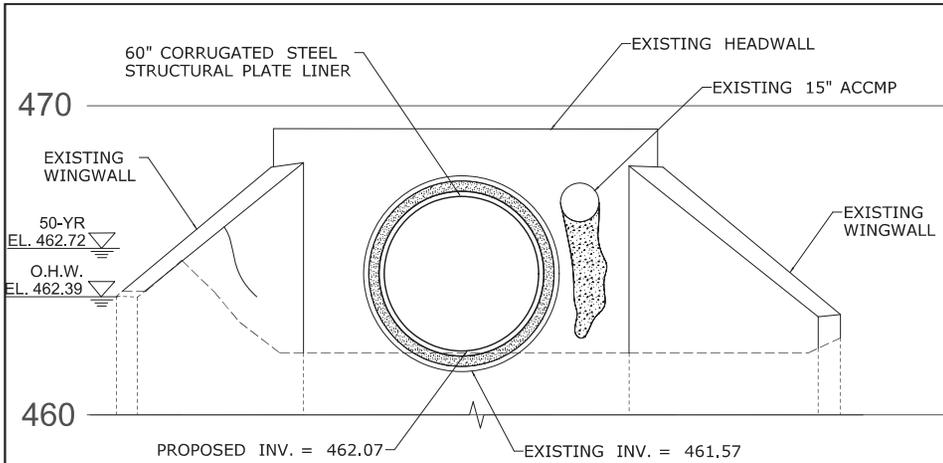
NOTE B
THE CONTRACTOR SHALL NOT WORK WITHIN THE LIMITS OF THE WETLANDS AND WATERCOURSE WITH THE EXCEPTION OF THOSE AREAS DELINEATED AS TEMPORARY OR PERMANENT IMPACTS TO THE WETLANDS AND WATERCOURSE, ALL DISTURBED AREAS SHALL BE RESTORED.

	WETLAND IMPACTS	WATERCOURSE IMPACTS	TOTAL
PERMANENT IMPACTS	0 S.F. (0.000 AC.)	1805 S.F. (0.041 AC.)	1805 S.F. (0.041 AC.)
TEMPORARY IMPACTS	0 S.F. (0.000 AC.)	80 S.F. (0.002 AC.)	80 S.F. (0.002 AC.)
TOTAL IMPACTS	0 S.F. (0.000 AC.)	1885 S.F. (0.043 AC.)	1885 S.F. (0.043 AC.)

ENVIRONMENTAL PERMIT PLANS

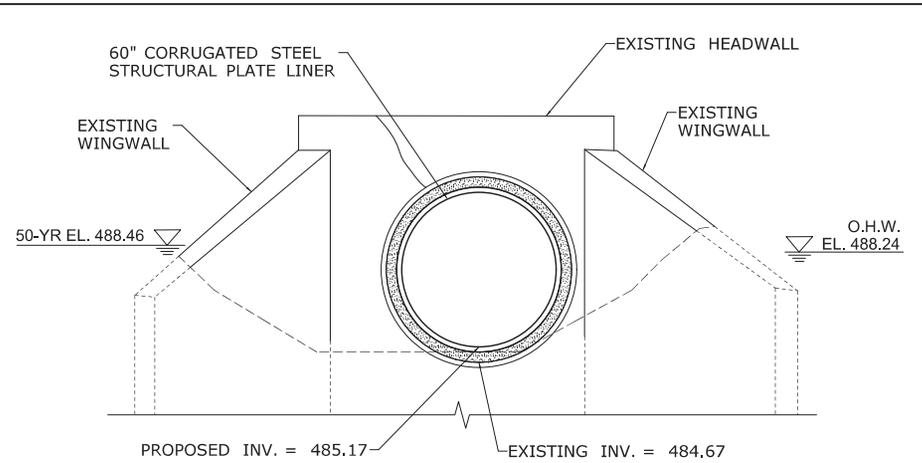
PLAN DATE: **SEPTEMBER 10, 2020**

DESIGNER/DRAWER: KAC	CHECKED BY: ALN	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK:	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06706 INTERSTATE 395 OVER BROOK	TOWN: THOMPSON	PROJECT NO. 141-156
REV. DATE	REVISION DESCRIPTION	SHEET NO.	PLotted Date: 9/10/2020	SCALE IN FEET 0 40 80 SCALE 1"=40'	DRAWING TITLE: WETLAND/WATERCOURSE IMPACT PLAN	DRAWING NO. PMT-03



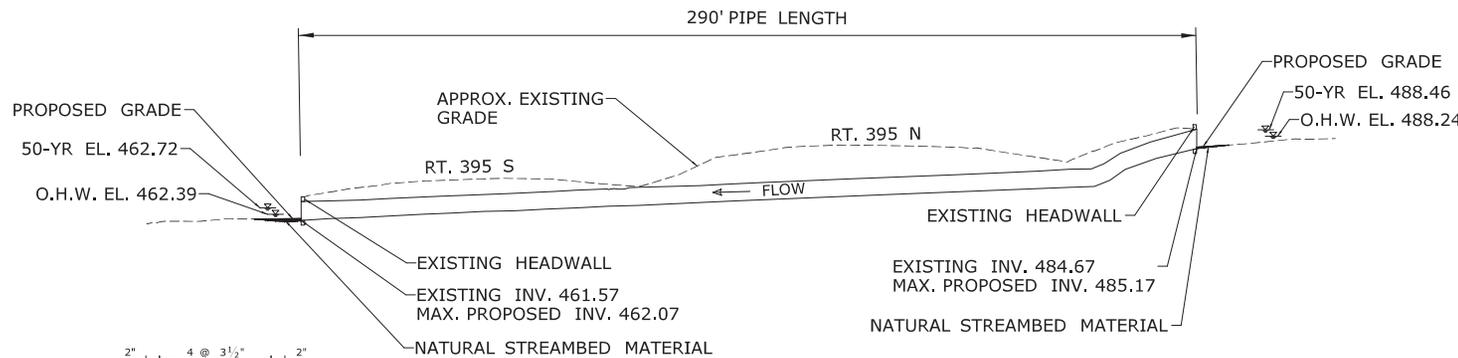
OUTLET ELEVATION

1/2" = 1'-0"



INLET ELEVATION

1/2" = 1'-0"



CULVERT SECTION

1" = 20'

OPENNESS RATIO (OR):
 OR = OPEN AREA / CULVERT LENGTH
 OR = 19.63 / 292 = 0.07
 0.07 ft. < 0.82 ft. (RECOMMENDED MINIMUM)

BANKFULL WIDTH (BFW):
 BFW = 9 ft. EXISTING UPSTREAM (OHW)
 1.2 x BFW = 10.8 ft.
 10.8 ft. > 5 ft. PROPOSED BRIDGE SPAN

HYDRAULIC DATA	
DRAINAGE AREA	0.07 SQ. MILE
DESIGN FREQUENCY	50 YEAR
DESIGN DISCHARGE	45 CFS
AVERAGE DAILY FLOW ELEVATION	487.62 FT.
50-YR UPSTREAM DESIGN WATER SURFACE ELEVATION	488.46 FT.
50-YR DOWNSTREAM DESIGN WATER SURFACE ELEVATION	462.72 FT.

NOTE: THE UPSTREAM DESIGN WATER SURFACE ELEVATION IS APPROXIMATELY 30 FEET UPSTREAM OF THE FACE OF THE CULVERT. THE DOWNSTREAM DESIGN WATER SURFACE ELEVATION IS APPROXIMATELY 10 FEET DOWNSTREAM OF THE FACE OF THE CULVERT.

NATIVE STREAMBED MATERIAL NOTES:

1. NATIVE STREAMBED MATERIAL EXCAVATED DURING THE INSTALLATION OF THE CULVERT LINING SHALL BE STOCKPILED AND THEN REPLACED AS DIRECTED BY THE ENGINEER, AND IN ACCORDANCE WITH THE PERMIT DOCUMENTS.
2. THE STOCKPILE SHALL BE LOCATED OUTSIDE THE WETLAND LIMITS AND PROTECTED WITH SEDIMENTATION CONTROL SYSTEM.

ENVIRONMENTAL PERMIT PLANS

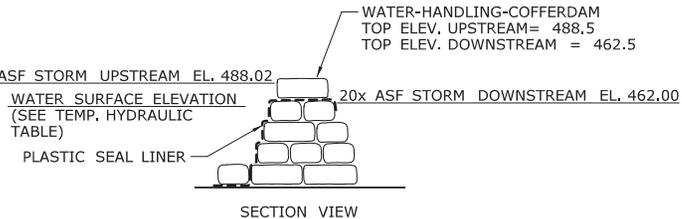
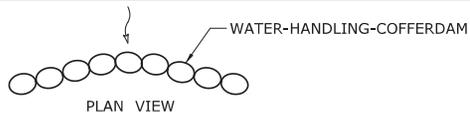
PLAN DATE: **AUGUST 19, 2020**

PLATE LINER DETAIL

1 1/2" = 1'-0"

PROPERTIES OF STEEL TUNNEL LINER PLATE				
NOMINAL THICKNESS	AREA (IN ² /IN)	SECTION MODULUS (IN ³ /IN)	MOMENT OF INERTIA (IN ⁴ /IN)	RADIUS OF GYRATION (IN)
12 GA / 0.1046 IN	0.135	0.0457	0.049	0.602

DESIGNER/DRAWER: KAC	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK:	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06706 INTERSTATE 395 OVER BROOK	TOWN: THOMPSON	PROJECT NO.: 141-156	
CHECKED BY: ALN		SCALE AS NOTED	FILENAME: _HW_MST_141_156_PMT_04_ELEVATION-SECTION.dwg	DRAWING TITLE: ELEVATION AND SECTION PLAN	DRAWING NO.: PMT-04	SHEET NO.:
REV. DATE	REVISION DESCRIPTION	SHEET NO.	Method Date: 8/19/2020			

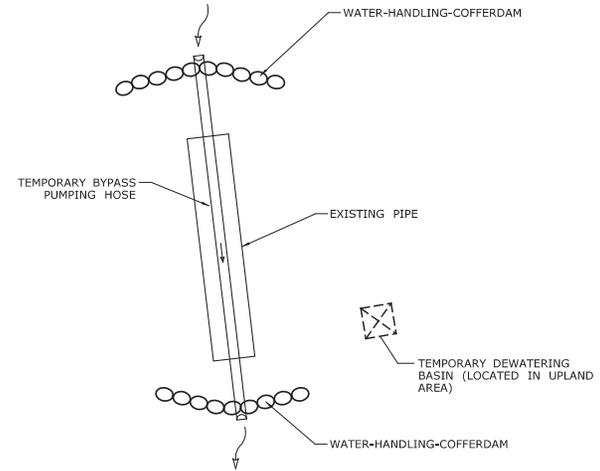


WATER-HANDLING-COFFERDAM
(NOT TO SCALE)

WATER HANDLING NOTES

1. THE CONTRACTOR SHALL MAINTAIN WATER THROUGH THE TEMPORARY WATER HANDLING SYSTEM AS REQUIRED DURING CONSTRUCTION.
2. EQUIPMENT SHALL NOT BE PERMITTED IN THE STREAM WHEN TEMPORARY WATER HANDLING SYSTEM IS NOT IN PLACE WITHOUT APPROVAL FROM THE ENGINEER.
3. A PUMP DISCHARGE BASIN SHALL BE ESTABLISHED OUTSIDE OF THE WETLAND LIMITS, THE LOCATION OF THE DEWATERING BASIN IS APPROXIMATE, THE EXACT POSITION MAY VARY BASED ON THE PUMPING DESIGN SUBMISSION AND APPROVED BY THE ENGINEER.
4. TEMPORARY COFFERDAM SHALL CONSIST OF PLASTIC LINER, SANDBAGS, OR ANY OTHER APPROVED SYSTEM THAT THE CONTRACTOR ELECTS TO USE WHICH WILL SAFELY CONVEY WATER FLOWS THROUGH THE CONSTRUCTION AREA, SHALL BE ABLE TO SUPPORT CONSTRUCTION ACTIVITY AND EXCAVATION, AND SHALL CONFORM TO PERMITS.

ANY WATER HANDLING SCHEME DEPICTED WITHIN THE DEPARTMENT'S 'HANDLING WATER TYPICAL SCHEMATICS' MAY BE UTILIZED UNLESS SPECIFICALLY PROHIBITED, A MEANS AND METHOD FOR WATER HANDLING SYSTEM SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER FOR APPROVAL.
5. WATER HANDLING MEASURES SHALL NOT EXCEED IMPACT AREAS SHOWN ON THE WETLAND IMPACT SHEET OF THE PERMIT PLANS.
6. ANY STORM DRAINAGE DISCHARGING INTO A CONFINED WORK AREA FROM EXISTING STORM DRAINAGE PIPES, INCLUDING THE TWO 15" ACCMPS THAT DISCHARGE INTO THE EXISTING CULVERT, SHALL BE DIVERTED OR PUMPED OUTSIDE THE CONFINED AREAS. PUMPS/PIPES SHALL BE SIZED BY THE CONTRACTOR TO HANDLE THE EXPECTED FLOWS AND BE DISCHARGED TO A STABLE LOCATION. THE CONTRACTOR SHALL SUBMIT THE MEANS AND METHODS OF HANDLING STORM DRAINAGE TO THE ENGINEER FOR APPROVAL AND IS INCLUDED AS PART OF WATER HANDLING.
7. BASED UPON FIELD CONDITIONS, WORK DURATION, AND EXPECTED WEATHER CONDITIONS, THE ENGINEER MAY APPROVE A CONSTRUCTION WATER HANDLING PLAN WITH LOWER PUMPING FLOWS, PROVIDED THAT THIS INCLUDES A CONTINGENCY PLAN, WHICH MINIMIZES NEGATIVE IMPACTS AND SAFELY CONVEYS LARGER FLOWS THROUGH THE WORK AREA.



SUGGESTED SEQUENCE OF CONSTRUCTION

1. INSTALL ANTI-TRACKING PADS AND SEDIMENTATION CONTROL SYSTEM AS SHOWN IN THE PLANS.
2. PERFORM CLEARING AND GRUBBING AND CONTROL OF INVASIVE SPECIES TO ALLOW FOR ACCESS.
3. CONSTRUCT PERMANENT ACCESS ROAD AS SHOWN IN THE GENERAL PLAN.
4. INSTALL WATER HANDLING COFFERDAM AS SHOWN IN THIS WATER HANDLING PLAN. THE COFFERDAM SHALL BE ABLE TO HANDLE 20X ASF AND SHALL BE SET TO THE ELEVATIONS SPECIFIED IN THE WATER HANDLING COFFERDAM DETAIL SHOWN ON THIS SHEET.
5. INSTALL BYPASS HOSE THROUGH EXISTING CULVERT AS SHOWN IN THE WATER HANDLING SCHEMATIC.
6. REDIRECT FLOW THROUGH BYPASS HOSE TO MAINTAIN EXISTING FLOW WHILE THE AREA WITHIN THE COFFERDAM LIMITS REMAINS DRY.
7. ASSEMBLE SEGMENTAL CULVERT LINER AROUND BYPASS HOSE. AFTER INSTALLATION OF CULVERT LINER IS COMPLETE, PUMP GROUT INTO ANNULAR SPACE USING GROUT PORTS.
8. INSTALL NATURAL STREAMED MATERIAL AT INLET AND OUTLET.
9. ONCE THE INSTALLATION OF THE LINER AND GROUTING IS COMPLETE, REMOVE BYPASS HOSE AND WATER HANDLING COFFERDAM TO MAINTAIN FLOW THROUGH THE CULVERT WITH LINER.
10. REMOVE SEDIMENTATION CONTROL SYSTEM AND ANTI-TRACKING PADS.
11. ESTABLISH VEGETATION IN DISTURBED AREAS WITH PLANTINGS AS SHOWN IN THE PLANTING PLAN.
12. REMOVE OVERALL EROSION AND SEDIMENTATION CONTROLS UPON PERMANENT STABILIZATION.

TEMPORARY HYDRAULIC DATA	
AVERAGE DAILY FLOW	0.14 CFS
AVERAGE SPRING FLOW	0.26 CFS
2-YEAR FREQUENCY DISCHARGE	20 CFS
SHORT TERM, LOW FLOW PUMPING	
TEMPORARY DESIGN DISCHARGE	5 CFS
TEMPORARY DESIGN FREQUENCY	20x ASF
TEMPORARY WSEL UPSTREAM	488.02 FT.
TEMPORARY WSEL DOWNSTREAM	462.00 FT.

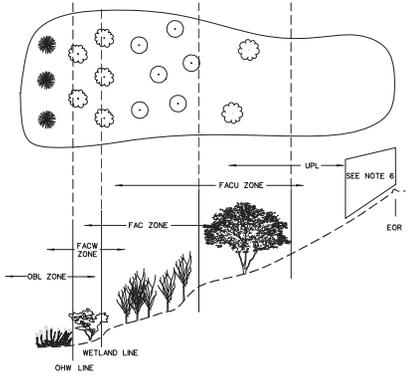
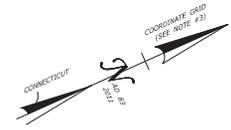
ENVIRONMENTAL PERMIT PLANS

PLAN DATE: **AUGUST 20, 2020**

REV. DATE REVISION DESCRIPTION SHEET NO. Printed Date: 8/20/2020	DESIGNER/DRAWER: KAC	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK:	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06706 INTERSTATE 395 OVER BROOK	PROJECT NO.: 141-156
	CHECKED BY: ALN		SCALE IN FEET 0 40 80 SCALE 1"=40'	TOWN: THOMPSON	DRAWING TITLE: STAGING/ WATER HANDLING PLAN

PLANT LIST

ITEM NUMBER	Botanical Name	Common Name and Size	Quantity	Spacing (o.c.)	Wetland Indicator	Comments
0949113	CORNUS RACEMOZA	GRAY DOGWOOD 2-3' HT. B.B.	30	8' On Center	FAC	
0949770	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY 18"-24" HT. B.B.	15	Field Locate	FAC	
0949298	CORNUS ALBA	REDOSIER DOGWOOD 18"-24" HT. CONTAINER	30	8' On Center	FACW	
0949295	HAMAMULIS VIRGINIANA	AMERICAN WITCH HAZEL 18"-24" HT. B.B.	20	8' On Center	FACU	
0949226	ILEX VERTICILLATA	COMMON WINTERBERRY 18"-24" HT. B.B.	10	8' On Center	FACW	
0949813	ACER RUBRUM	RED MAPLE 1 1/2" - 1" CAL. B.B.	3	Field Locate	FAC	
0950031		CONTROL AND REMOVAL OF INVASIVE VEGETATION				h.k.
0950040		CONSERVATION SEEDING FOR SLOPES				h.k.
0949000		WOOD CHIP MULCH				h.k.



SCHEMATIC PLANTING

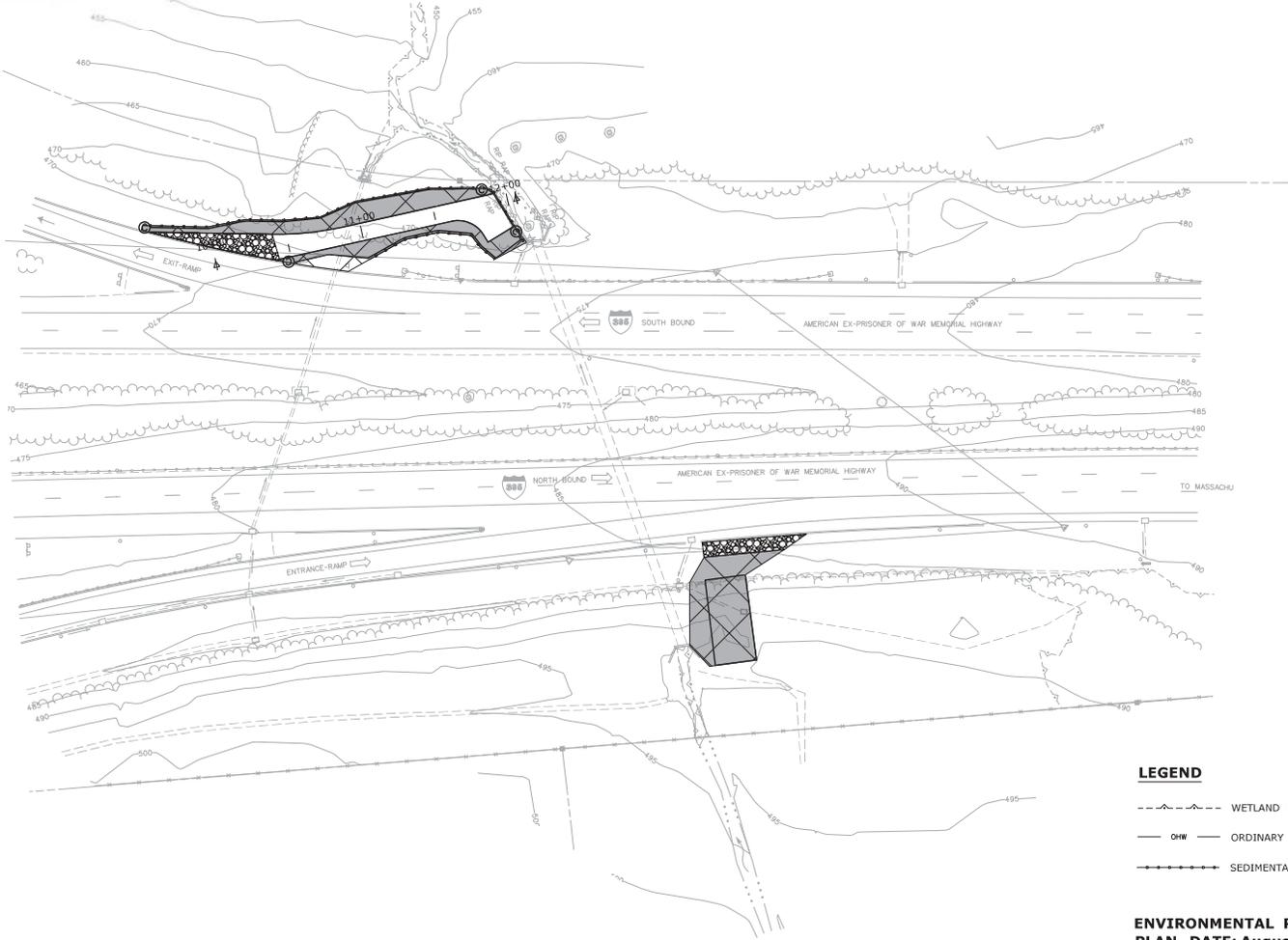
 CONTROL AND REMOVAL OF INVASIVE VEGETATION
SEE NOTE 7

 AREA TO BE RESTORED WITH PLANTINGS

TOTAL PLANTS = 88
TOTAL PLANTING AREA = 6470 S.F.

NOTES

1. PLANTINGS ON THIS SHEET ARE FOR ENVIRONMENTAL PERMITTING. ANY SUBSTITUTIONS TO THE PERMIT PLANTINGS SHALL BE COORDINATED WITH THE DEPARTMENT'S OFFICE OF ENVIRONMENTAL PLANNING (OEP).
2. PROPOSED PLANTINGS TO BE FIELD LOCATED BY CTDOT OEP OR THEIR DESIGNATED REPRESENTATIVE.
3. WOOD CHIP MULCH SHALL NOT BE PLACED IN THE WETLAND AREA. ABOVE THE WETLAND AREA THE WOOD CHIP MULCH IS TO BE PLACED AROUND THE PLANTINGS, PER STANDARD DETAIL.
4. DISTURBED AREAS BELOW THE WETLAND LIMIT SHALL BE SEEDED WITH WETLAND GRASS ESTABLISHMENT. DISTURBED AREAS ABOVE THE WETLAND LIMIT SHALL BE SEEDED WITH CONSERVATION SEEDING FOR SLOPES, OR OTHER SEED MIX AS SPECIFIED. ALL AREAS SHALL BE RESTORED.
5. ALL PLANT MATERIAL SHALL BE STRAIGHT SPECIES. NO VARIETIES OR CULTIVARS WILL BE ACCEPTED.
6. NO PLANTINGS TO BE PLACED IN MOW AREA
7. AREA TO BE TREATED FOR INVASIVES AND PROPERLY PREPARED FOR FINAL PLANTING, SEEDING, AND RESTORATION.



LEGEND

- - - - - WETLAND LIMITS
- OHW — ORDINARY HIGH WATER (OHW)
- + + + + — SEDIMENTATION CONTROL SYSTEM

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: August 18, 2020

DESIGNER/DRAWER: MM	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING	PROJECT TITLE: REHABILITATION OF BRIDGE NO. 06706 INTERSTATE 395 OVER BROOK	TOWN: THOMPSON	PROJECT NO. 141-156
CHECKED BY: SF		APPROVED BY:	DRAWING NO. PMT-06	DRAWING TITLE: PERMIT PLANTING PLAN	SHEET NO.
REVISION DESCRIPTION	SCALE IN FEET 0 40 80 SCALE 1"=40'	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		FILENAME: \\Permit Planting Handp	
REV. DATE	SHEET NO.	METHOD DATE: 8/18/2020			

Agenda Item K, Signing of Mylars - None

Agenda Item L, Comments by Commissioners

Agenda Item M

Adjournment