

INLAND WETLANDS COMMISSION

TUESDAY, October 13, 2020

ZOOM Meeting

A) Call to Order & Roll Call

B) Appointment of Alternates

Agenda Item C.a.
Action on Minutes of Previous Meeting

Minutes of September 8, 2020

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

RECEIVED
TOWN OF THOMPSON, CT.
2020 SEP 11 A 9:54
Linda Paradise
TOWN CLERK, ASST

INLAND WETLANDS COMMISSION

TUESDAY, September 8, 2020 7:00PM

ZOOM Virtual Meeting <<A link to the Zoom recording will be posted when available>>

- A) Call to Order & Roll Call – The call to order was by Chair George O'Neil at 7:11pm.
Present: Chair George O'Neil, Treasurer and Commissioner Diane Chapin, Alternate Commissioner Barbara Roach, Wetlands Agent Marla Butts, Commissioner and Vice Chair H. Charles Obert, Commissioner Francesca Morano, Recording Secretary Ashley Pomes
Others Present: First Selectman Amy St. Onge, Daniel Blanchette, Janet Blanchette, Bruce Woodis, Mike Callahan
- B) Appointment of Alternates – Chair O'Neil appoints Alternate Commissioner Roach as a full member for this meeting.
- C) Action on Minutes of Previous Meeting
- a) Minutes of August 11, 2020 – **Motion by Commissioner Obert to accept the minutes as written, seconded by Commissioner Chapin, carried unanimously.**
- D) Citizens Comments on Agenda Items - None
- E) Applications
- a) Old Applications
 1. **WAA20004** Richard T. Audet, 50 Wrightson Dr, Assessor's map 143, block 17, lot 18, construct 20' X 24' shed on piers in the 100-foot upland review area for Quaddick Reservoir, stamped received 2/5/2020, under review pending handing roof runoff – Mr. Audet has received his NDDH approval and he is working on getting the roof runoff handled. Just today he sent details of an articulating concrete block to help keep the slope stable and he sent photographs also. Pending decision, waiting on revised drawings for review by M. Butts.
 2. **WAA20009** Hallet T. Merrick, 0 Plum Road, Assessor's map 85, block 52, lot 12, construction of single-family home, septic system and portion of home proposed in 100-foot upland review area, stamped received 4/13/2020, under review pending receipt of additional information – The application is being handled by engineer Bruce Woodis, he is working on developing a revised plan. He expects to submit it in the next week or so. After that additional information is received, M. Butts will determine if she can render a decision.
 3. **IWA20011** James Jasmine, 518 Brandy Hill Rd, Assessor's map 143, block 16, lot 37, after-the-fact application for partial demolition of retaining wall and construction of new retaining wall on Quaddick Reservoir, stamped received 5/6/2020, statutorily received 5/14/2020 – M. Butts has made numerous attempts to get a response from DEEP regarding their stance on who owns the lake bottom. No decision needs to be made on this application yet but there will need to be a decision made by the October meeting. M. Butts will reach out to DEEP again to try to obtain in writing a statement from them regarding this issue.

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4. **IWA20022**, Marc Baer, 1227 Thompson Rd., Assessor's map 116, block 24, lot 10, construct house, well, septic system, driveway and associated grading, stamped received 6/16/2020, converted to individual permit application and statutory received 7/14/2020 – On August 21st M. Butts sent a letter to engineer Daniel Blanchette addressing a number of her concerns with this application. On September 1st she received a digital copy of the revised plans, on September 4th she received a hard copy of the plans. Mr. Blanchette was present on the Zoom meeting and addressed all of M. Butts concerns. He explained that there will be 3 concrete block retaining walls put along the slope of the property. They also will be installing a turbidity curtain at the water's edge to help with sediment control while construction is going on. He spoke about a woodchip berm being installed after the revetment construction. M. Butts expressed concerns that may arise from the woodchip berm and explains that after the berm is installed there may need to be a silt fence put in place if the berm is not able to control the velocity of the runoff that may occur. Chair O'Neil asks if the issue with the tree debris in the water has been addressed, both Commissioner Obert and M. Butts answered yes it has been taken care of. M. Butts suggests if the Commission decides to approve this application that they should require submission of an as built after the construction of the revetment to be reviewed and approved by the Commission prior to any further work being done. **Motion made by Commissioner Obert that application IWA20022 be approved with the provision that the construction of the revetment be clearly delineated and drawn up and presented to this Commission before the next step of work is continued. Commissioner Morano seconded the motion. There was no discussion, all were in favor, the motion passed unanimously.** M. Butts will draft up the permit for Chair O'Neil's signature, once signed it will be mailed out by certified mail to the applicant with copies going to the appropriate parties.
5. **WAA20023**, Thomas Murray, 0 Sand Dam Rd., Assessor's map 114, block 24, lot 60B discharge of footing drain associated with the construction of new single-family home, stamped received 6/18/2020, under review pending receipt of additional information – M. Butts reviewed this further, she states a 200 ft buffer would make these lots unbuildable and the property does not require a 200 ft vegetative buffer. She asked Mr. Woodis to provide the square footage of the area that is disturbed in the upland review area as well as modify the plans showing exactly where the disturbance will be for the construction of the homes. M. Butts is awaiting the revised drawings, then it is her intention to approve the application and if someone has an objection to her approval then they can appeal it to the Commission and the Commission can render a decision on its own.
6. **WAA20024**, Thomas Murray, 0 Sand Dam Rd., Assessor's map 114, block 24, lot 60C construct new single-family home, driveway and footing drain portions of which are located in the 100-foot upland review area, stamped received 6/18/2020, under review pending receipt of additional information – See previous item #5 above.
7. **IWA20026**, WBA Real Estate LLC, 22 Woodstock Road (Assessor's map 29, block 104, lot 23), septic repair, parking lot improvements and access road for future site development, stamped received by the Town Clerk 7/10/2020, converted to individual permit application and statutory received 8/11/2020 – The revised plans have been submitted and engineer Janet Blanchette was present for the meeting to explain these plans further. There is an existing

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gravel parking lot and failing septic system located in the back of this property and there is an intermittent stream that runs through the middle of it. The whole back parking lot area is located within the 100 ft upland review area. They would like to construct a new paved parking lot and a new septic system. Drainage from the parking lot and roof runoff will flow into rain gardens or storm water infiltration basins, no direct discharge to the wetlands or watercourse. All erosion sediment controls should improve all runoff from the site. **Motion made by C. Obert to approve application IWA20026 for WBA Real Estate LLC, Woodstock Road Assessor's map 29, block 104, lot 23, with a septic system and parking approval, seconded by Commissioner Morano. Chair O'Neil observes it seems very well thought out and if it's going to improve the wetlands than it's a step in the right direction. All in favor, motion is carried, permit is approved.**

8. **WAA20027**, Richard & Lynn Skowronski, 21 Richard Bennett Lane (Assessor's map 137, block 7, lot 5K), construct in ground pool, shed and driveway paving in the 100-foot upland review area, stamped received 7/14/2020, approved 8/3/2020, legal notice published 8/28/2020, appeal period ends 9/11/2020 – No further action needed.
9. **WAA20029**, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's map 103, block 31, lot 6E, subdivision lot 5), grading and footing drain for new single-family home, stamped received 8/3/2020, issued 8/12/2020, legal notice published 8/28/2020, appeal period ends 9/11/2020 – Approved, legal notice published.
10. **WAA20030**, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's map 103, block 31, lot 6F, subdivision lot 6), footing drain for new single-family home, stamped received 8/3/2020, issued 8/12/2020, legal notice published 8/28/2020, appeal period ends 9/11/2020 – Approved, legal notice published.
11. **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, under review – A field walk was done by M. Butts, she asks the engineer to review the drainage underneath the driveway as it is sandwiched between two wetlands. She questions if cross-culverts need to be installed. Pending awaiting further information.
12. **WAA20032**, David Poplawski, 1247 Thompson Rd (Assessor's map 116, block 24, lot 12), reconstruct single family home, septic system & driveway in 100-foot upland review area, stamped received 8/3/2020, under review – This needs approval from the NDDDB before M. Butts will take action on it.

b) New Applications

1. **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, under review – This lot contains the storm water management basin for Madison Avenue. It was the subject of a permit a couple years back for the storm water management basin. M. Butts wants to be sure plan supplied is accurate as to what is actually constructed. Modification was needed when constructing the basin, stone was added, and she wanted to ensure whatever the town took in its drainage easement was identified so if the homeowner goes in and does anything in the drainage easement area there would be evidence of what it is. M. Butts

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has sent a request via email for an as built of current conditions of the property and language for the drainage easement so anyone who buys this house will be forewarned for what they need to be aware. M. Butts is awaiting response of the engineer.

2. **WAA20035**, Kenneth Weiss, 0 Thompson Rd. (Assessor's map 116, block 24, lot 56A-1), new single-family home, septic system and driveway, stamped received 8/24/2020, issued 8/31/2020, legal notice to be published 9/11/2020, end of appeal period 9/25/2020 – M. Butts has approved this, waiting for legal notice to be published.

c) Applications Received After Agenda was Published

1. **DEC20036**, Town of Thompson, Sand Dam Road at Five Mile River cross-culvert (Assessor's map 133, block 24, no lot #), replace existing beaver deceiver with a new deceiver consisting of a culvert protective fence for non-regulated use – conservation of wildlife, stamped received 9/4/2020 – This application is for the replacement of an existing beaver deceiver with a new beaver deceiver consisting of a culvert protective fence that has been used elsewhere in the State to reduce the ability of beaver to block the culvert that carries the Five Mile River under Sand Dam Road. Given the low flows currently occurring the proposed removal and replacement would take place in September. The Town has secured a grant from the Beaver Institute to help cover the cost of installation and for at least one year of maintenance. Mike Callahan of Beaver Solutions was present at the meeting to further explain the beaver deceiver. **Motion made by Commissioner Obert to approve the application to replace the existing beaver deceiver with a new one, seconded by Commissioner Morano, carried unanimously. Chair O'Neil observes that beavers are something that many are concerned with and if we can preserve the environment and not harm the beavers it would be a real plus. All in favor, motion passes.**
2. **DEC20037**, Mirash & Alketa Isufi, 4 Fairway Drive (Assessor's Map 77, block 62, Lot 571), cleaning of man-made pond during low flow under maintenance & enjoyment of residential home, stamped received 9/4/2020 – This application was in response of a complaint that M. Butts received about work in this pond. This is a man-made pond with a liner in it and clay on top. Because of the recent low flow, all of the fish in the pond have died and the property owner wants to clean the pond of the fish and sediment. Since there is no water flowing at this point it does make sense to do this now before a storm comes in. **Motion to approve the application made by Commissioner Obert for the cleaning of a man-made pond during the low flow and to have the work done within 30 days, seconded by Commissioner Chapin. No discussion, all in favor, application approved.**

F) Permit Extensions / Changes - None

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G) Violations & Pending Enforcement Actions

- 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, hearing and decision 3/10/2020 soil scientist report submitted 5/10/2020 approved, and to be work completed by 9/15/2020 – Time is still open for the work to be completed. During a drive by M. Butts noted no work has been done yet, she will send him a reminder.
- 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, Notice of Violation issued 5/14/2020 to remove the slash, pull back the soil along the eastern property boundary to a grade no steeper than 3:1 (i.e. 3 feet horizontal to 1 foot vertical) by 6/1/2020 and immediately following the completion of this work, seed and mulch all disturbed soils, 7/14/2020 granted extension to 10/1/2020 for completion of work – On August 31st M. Butts sent a letter reminding them they had until October 1st to complete this work. She drove by a week ago and it has not been done yet, grass is growing where the trees were cut.
- c) **VIOL20018**, Marc Baer, 1227 Thompson Rd, Assessor's map 116, block 24, lot 10, clearcutting trees and earth moving work in 100-foot upland review area for Little Pond, Notice of Violation issued 5/27/2020 to cease tree cutting and earth moving work, install E&S controls and by 6/3/2020 provide written explanation for work done and schedule for submitting application (see Application IWA20022 above) – Both violations were closed with the issuing of the permit that was approved tonight. It was confirmed the debris was taken out of the pond.
- d) **VIOL20019**, Patrick Wall & Wall Excavation and Home Improvement LLC, 1227 Thompson Rd, Assessor's map 116, block 24, lot 10, clearcutting trees and earth moving work in 100-foot upland review area for Little Pond. Notice of Violation issued 5/28/2020 to cease any further earth moving work until a permit or wetlands agent approval is issued and immediately install E&S controls along Little Pond. (see Application IWA20022 above) – See above.
- e) **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. Notice of Violation issued 8/6/2020 to cease any further earthmoving work and by August 20, 2020 provide an explanation for the earth moving work and the reason why an approval was not sought prior to the initiation of work within 100 feet of delineated wetlands – On August 15th M. Butts received an email from Jen and Rob Lemieux, responding to the registered letter they received. They state they had loam delivered to the house to spread in the backyard where the lawn was not growing great. They spread the extra around the front driveway turnaround area and pulled out the bayberry bushes. They state no fill was put in, just spreading of extra loam prior to seeding. They supplied a picture from 2010 to show what the turnaround had looked like, they state they did not add to the footprint of the turnaround, they simply cleaned it up. M. Butts responded to them, thanked them for their response and cooperation, she asks to visit the property, with their permission, to measure the distance from the house and the retaining wall located north of the carport and wetlands to compare that with the information on file in the Town Clerk's office. They are trying to set up a date for that visit now, possibly Monday Sept. 14th.

H) Other Business

- a) CACIWC Membership Renewal for FY 20-21 – This is a shared cost with the Conservation Commission. M. Butts is seeking approval of the Commission for the

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expenditure of \$60. **Motion made by Commissioner Chapin to approve the expenditure of \$60 for the CACIWC membership renewal for FY 20-21, seconded by Commissioner Obert. All in favor, no discussion, motion approved.**

I) Reports

a) Budget & Expenditures – There was no expenditure report for Commissioner Chapin to report on this month.

b) Wetlands Agent Report –

UPDATES – River Junction Estates is the same as last month, still pending a decision. Little progress has been made on the MS4 annual report and follow up action. There has been no progress on the pre-1990 file destruction, M. Butts asks Commissioner Morano if she would still be interested in helping with this task. Commissioner Morano replies yes she would like to help, they will set up a time for this in October.

INSPECTIONS/FOLLOW UP ACTIONS - Complaint 20-05 Report of dumping of pony manure in wetlands off of Hiawatha Dr. – Still need to conduct coordinated inspection with Carolyn Werge to determine course of action.

Complaint 20-10 Rip Rapping of French Riverbank in Riverside Park – Closure of complaint pending establishment of an acceptable emergency operations protocol is put into place for future work.

There were 13 building permits reviewed. There were 3 purchase requisitions.

MISCELLANEOUS - During an inspection of the North Grosvenordale Pond Dam, M. Butts found the entire flow of the river draining through the backside of the dam. She states she is very concerned, and she sent an email to DEEP with copies to various town officials. – This was followed by a lengthy discussion by the Commission regarding this issue, they are all concerned with the possible catastrophic failure. First Selectman Amy St Onge says the Town attorney has been in contact with the attorney at Centerville Bank and they are awaiting the response on how to handle the dam.

J) Correspondence - None

K) Signing of Mylars - None

L) Comments by Commissioners – None

M) Adjournment - Motion to adjourn the meeting made by Commissioner Obert seconded by Commissioner Morano. All in favor, the meeting was adjourned at 9:10pm.

Respectfully Submitted,

Ashley Pomes; Recording Secretary

Agenda Item D.
Citizens Comments on Agenda Items

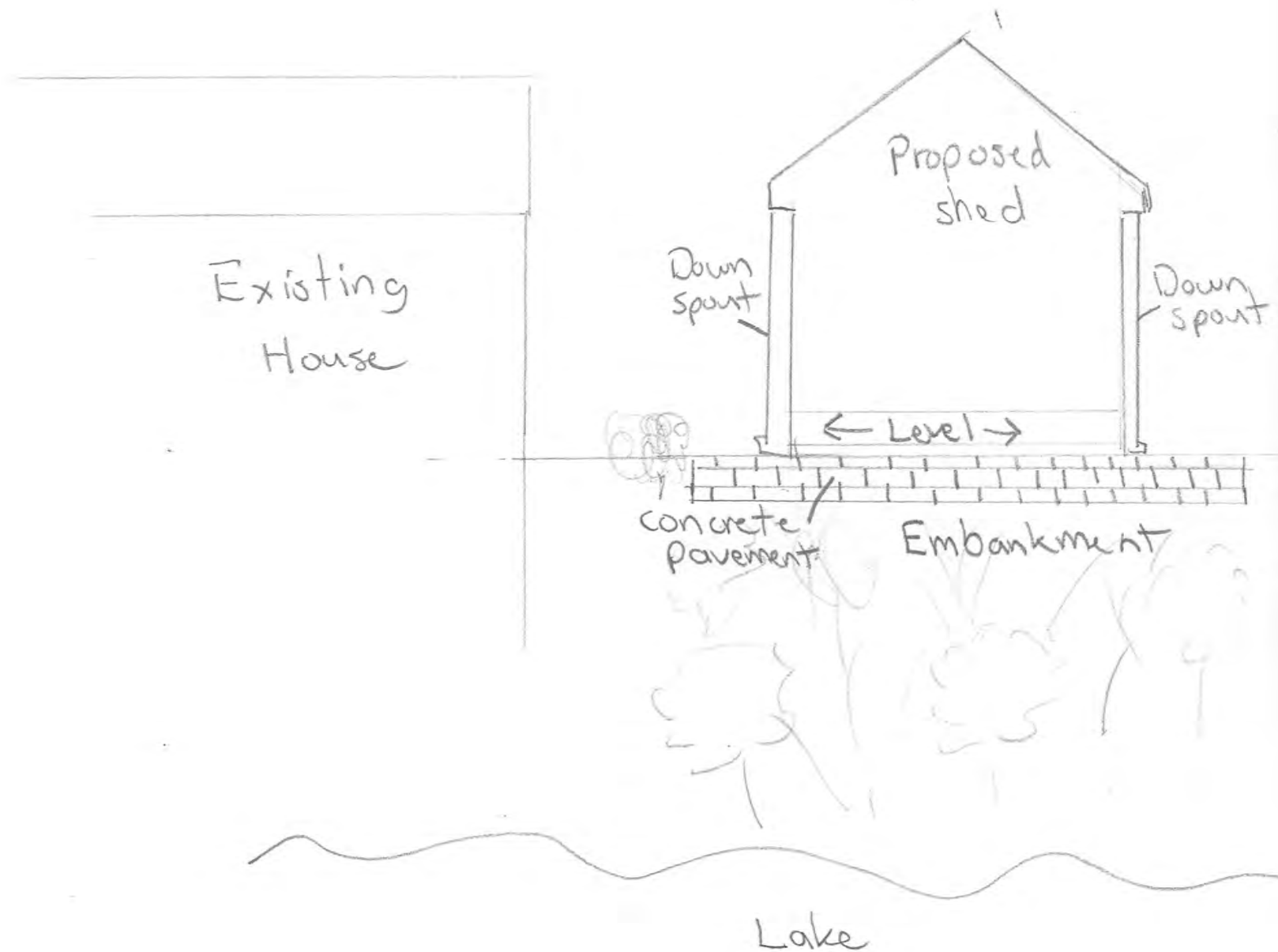
Agenda Item E.a) 1. Old Applications

WAA20004 Richard T. Audet, 50 Wrightson Dr, Assessor's map 143, block 17, lot 18, construct 20' X 24' shed on piers in the 100-foot upland review area for Quaddick Reservoir, stamped received 2/5/2020, approved 10/9/2020, legal notice pending publication.

50 Wrightson Drive

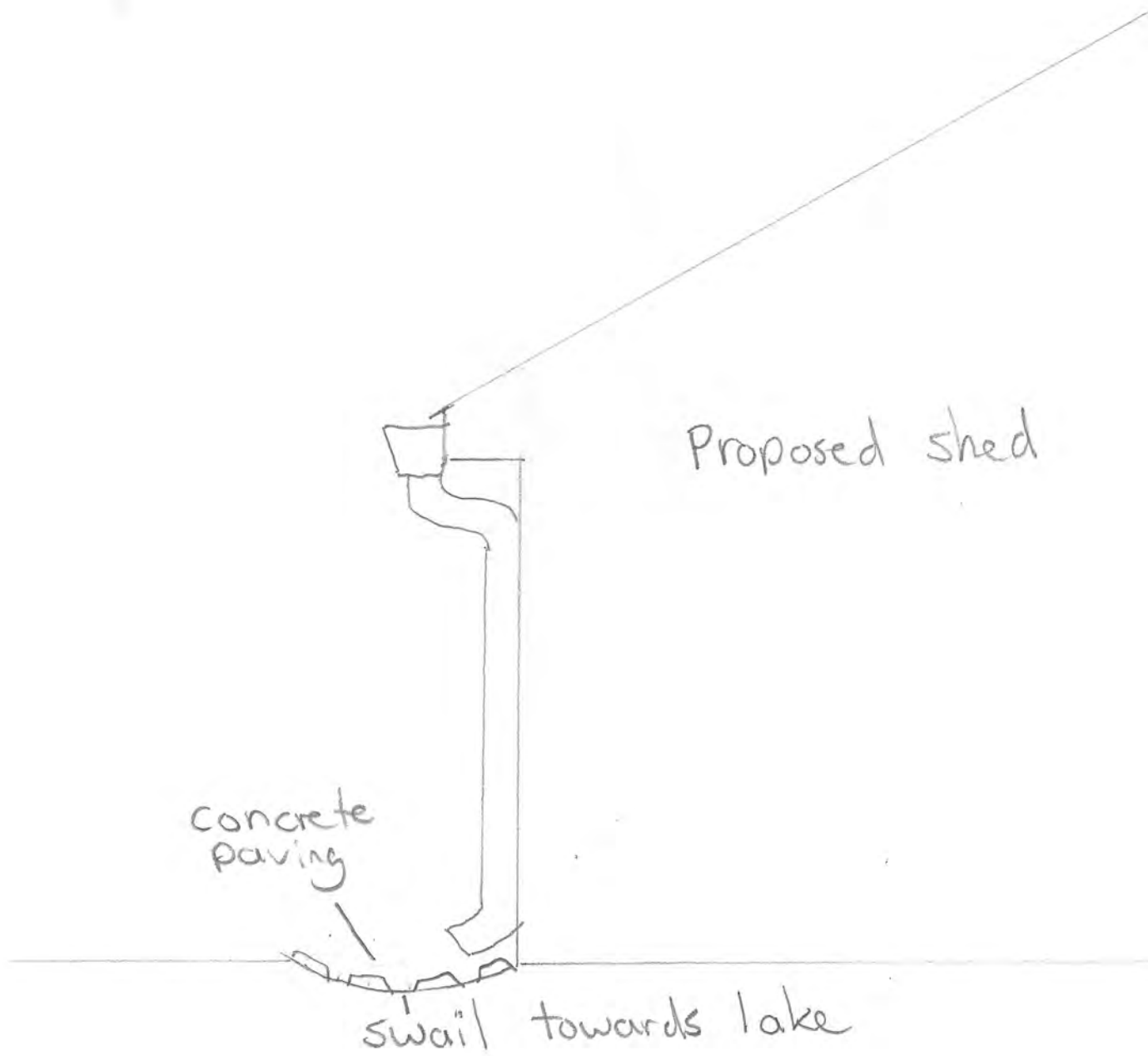
Rear View

Rich Audet
860-428-5377



Rich Audet
800-428-5377

Front view
50 Wrightson Drive

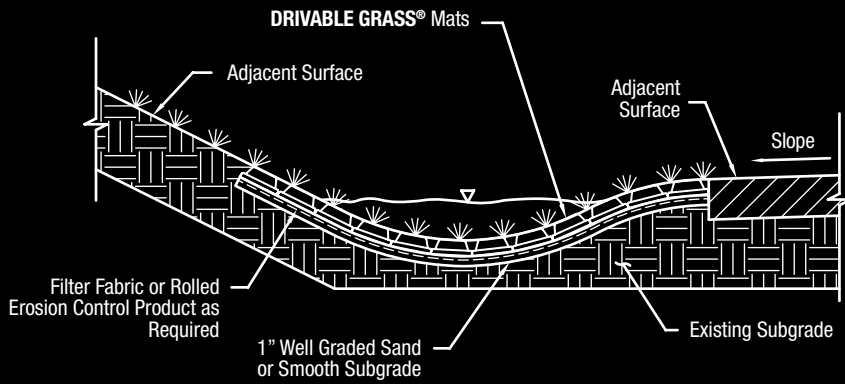




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Agenda Item E.a) 2.Old Applications

WAA20009 Hallet T. Merrick, 0 Plum Road, Assessor's map 85, block 52, lot 12, construction of single family home, septic system and portion of home proposed in 100 foot upland review area, stamped received 4/13/2020, under review pending receipt of additional information.

Agenda Item E.a) 3. Old Applications

IWA20011 James Jasmine, 518 Brandy Hill Rd, Assessor's map 143, block 16, lot 37, after-the-fact application for partial demolition of retaining wall and construction of new retaining wall on Quaddick Reservoir, stamped received 5/6/2020, statutorily received 5/14/2020.

[Reply](#)[Forward](#)[Delete](#)**Request for DEEP's Position on Quaddick Reservoir Retaining Wall [Fwd: Request for DEEP's Position on Unauthorized Retaining Wall Extending into Quaddick Reservoir, Thompson, Application IWA20011]****Date:** Today, 11:01:50 AM CDT**From:** wetlands@thompsonct.org**To:** [Katie Dykes, DEEP Commissioner](#)**Cc:** [Nicole Lugli, DEEP](#) [Robert Hannon, DEEP](#) [Brian Florek, DEEP](#) [Daniel Blanchette](#) [Amy St.Onge, 1st Selectman](#)
[George O'Neil, IWC Chair](#) [Text \(6 KB\)](#)

Dear Commissioner Dykes,

This is to again request DEEP's position on the unauthorized retaining wall extending into Quaddick Reservoir from 518 Brandy Hill Road in Thompson. This wall has been the subject of a local inland wetlands permit application since February 2020. As you can see from the email threads below, following my email to you on July 17, 2020 asking for DEEP's position on the construction of the unauthorized retaining wall in Quaddick Reservoir, I had a conference call with Nicloe Lugli, Robert Hannon and Brian Florek on July 27th. I summarized my understanding of that call in an email to the participants on July 28th. Not having received a reply on August 10th I emailed Nicole, with a copy to the other participants, requesting an update of DEEP's position in anticipation of the Inland Wetlands Commission's meeting scheduled for the next day.

To date I have received no communication from DEEP staff regarding DEEP's position. Additionally, I have been unable to find the deed in the Thompson Land Records wherein DEEP acquired Quaddick Reservoir and its flowage rights. At a minimum could DEEP could provide the Volume and Page of the Thompson Land Records wherein DEEP acquired the rights to Quaddick Reservoir, whatever they may be, and provide me with DEEP's position on the unauthorized wall built into the Reservoir? A response by October 13th would be most helpful as the Inland Wetlands Commission is to meet again on that day and may need to render a decision on the pending application.

Thank you for your time an attention in this matter. - Marla Butts, Thompson Wetlands Agent

----- Forwarded message from wetlands@thompsonct.org -----

Date: Tue, 28 Jul 2020 10:07:38 -0500

From: wetlands@thompsonct.org

Subject: Re: Request for DEEP's Position on Unauthorized Retaining Wall Extending into Quaddick Reservoir, Thompson, Application IWA20011

To: "Florek, Brian" <Brian.Florek@ct.gov>Cc: "Hannon, Robert" <Robert.Hannon@ct.gov>, "Lugli, Nicole" <Nicole.Lugli@ct.gov>, "George O'Neil, IWC Chair" <goneil3@thompsonct.org>, Daniel Blanchette <daniel@jdcivilengineers.com>

Good Morning Brian, Bob & Nicole,

Good talking to you yesterday. I just wanted to confirm my understanding of our conference call from yesterday starting at ~12:15 pm. This call was in response to my letter to Commissioner Dykes requesting DEEP's position on the after-the-fact inland wetlands application for an unauthorized retaining wall constructed in Quaddick Reservoir at 518 Brandy Hill Rd, Thompson. Since DEEP owns the flowage rights for Quaddick Reservoir but is unclear as to who owns the bottom of Quaddick Reservoir, your office will look into how the intrusion into the Reservoir relates or impacts those flowage rights and if DEEP has an objection to or opinion on the pending application. It was noted the response to the NDDB request is handled by another office in DEEP.

Also, I advised you that the IWC has received written permission from the abutting property owner for maintenance of the northern portion of the retaining wall on their property.

The date for a reply was given as August 1st in an attempt to have a reply by the next Inland Wetlands Commission meeting scheduled for August 11th. But given Governor Lamont's Executive Order (i.e. 7I, section 19) granting an extension of 90 days for municipal land use decisions the IWC is not required to render a decision at its August meeting. Understanding that you need more time to research the flowage rights issue, could you provide an anticipated target date for a response to my request?

Please advise me if I am in error of my understanding. I await your reply. Thanks. - Marla

Quoting "Florek, Brian" <Brian.Florek@ct.gov>:

[Hide Quoted Text]

Good morning Marla,
Would you time next Monday to discuss this with Nicole Lugli, Bob Hannon and myself? It would be after 9:30. I'll pin down a time if you're available.
Thank you,
Brian Florek
DEEP Supervisor of Surveys and Mapping

From: wetlands@thompsonct.org <wetlands@thompsonct.org>
Sent: Friday, July 17, 2020 9:06 AM
To: Dykes, Katie <Katie.Dykes@ct.gov>
Cc: Florek, Brian <Brian.Florek@ct.gov>; Daniel Blanchette <daniel@jdcivilengineers.com>; James Jasmin <jjasmin.ctp@sbcglobal.net>; Winther, Darcy <Darcy.Winther@ct.gov>
Subject: Request for DEEP's Position on Unauthorized Retaining Wall Extending into Quaddick Reservoir, Thompson, Application IWA20011

Dear Commission Dykes,

Attached you will find a PDF copy of my letter and supporting documents containing a request for DEEP's position on an unauthorized retaining wall extending into Quaddick Reservoir from 512 Brandy Hill Road in Thompson, CT. This request is time sensitive as the Thompson Inland Wetlands Commission is processing an after-the-fact wetlands permit applications (#IWA20011). Given the difficulties created by the Corona pandemic I thought it expedient to send you this request electronically and will be forwarding the hard copy original via US mail next Monday when I return to the Wetlands Office.

Thank you for your time and attention in this matter. I await DEEP's reply. - Marla Butts, Thompson Wetlands Agent

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


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

----- End forwarded message -----

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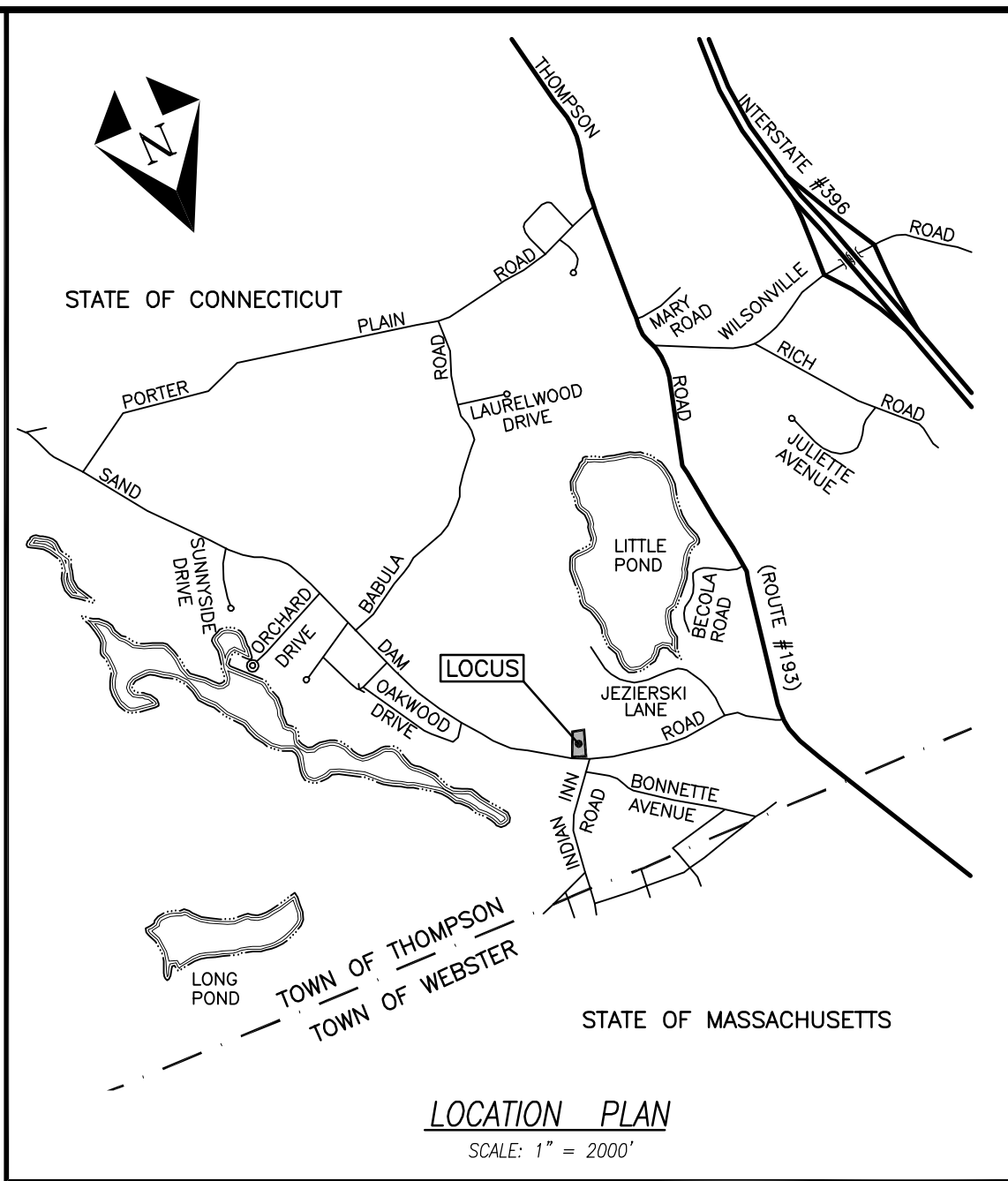
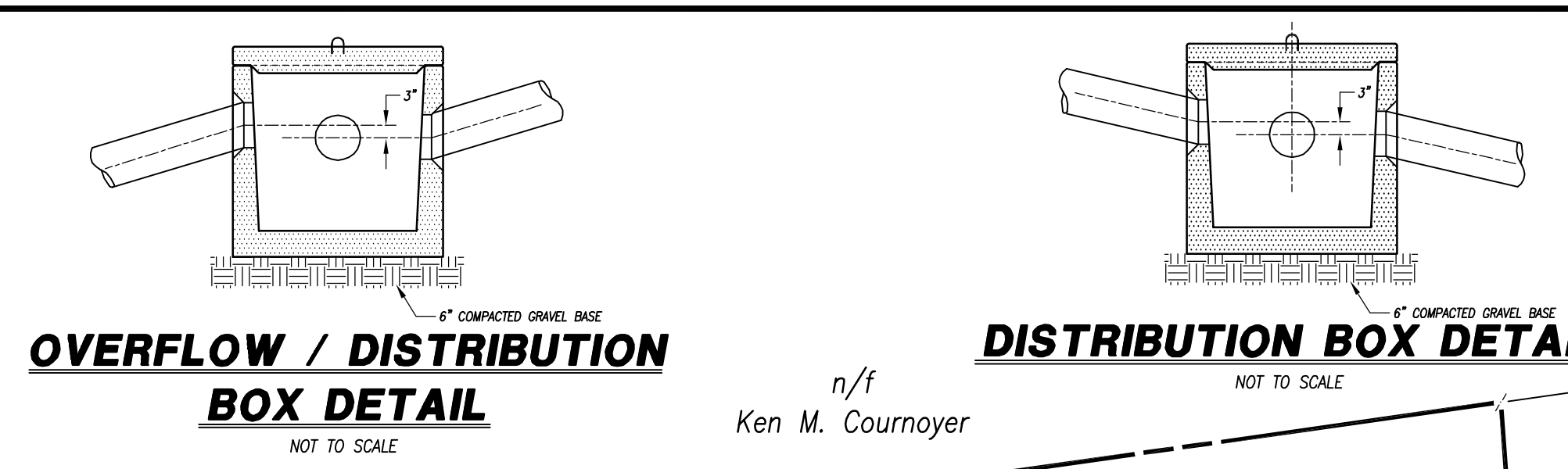
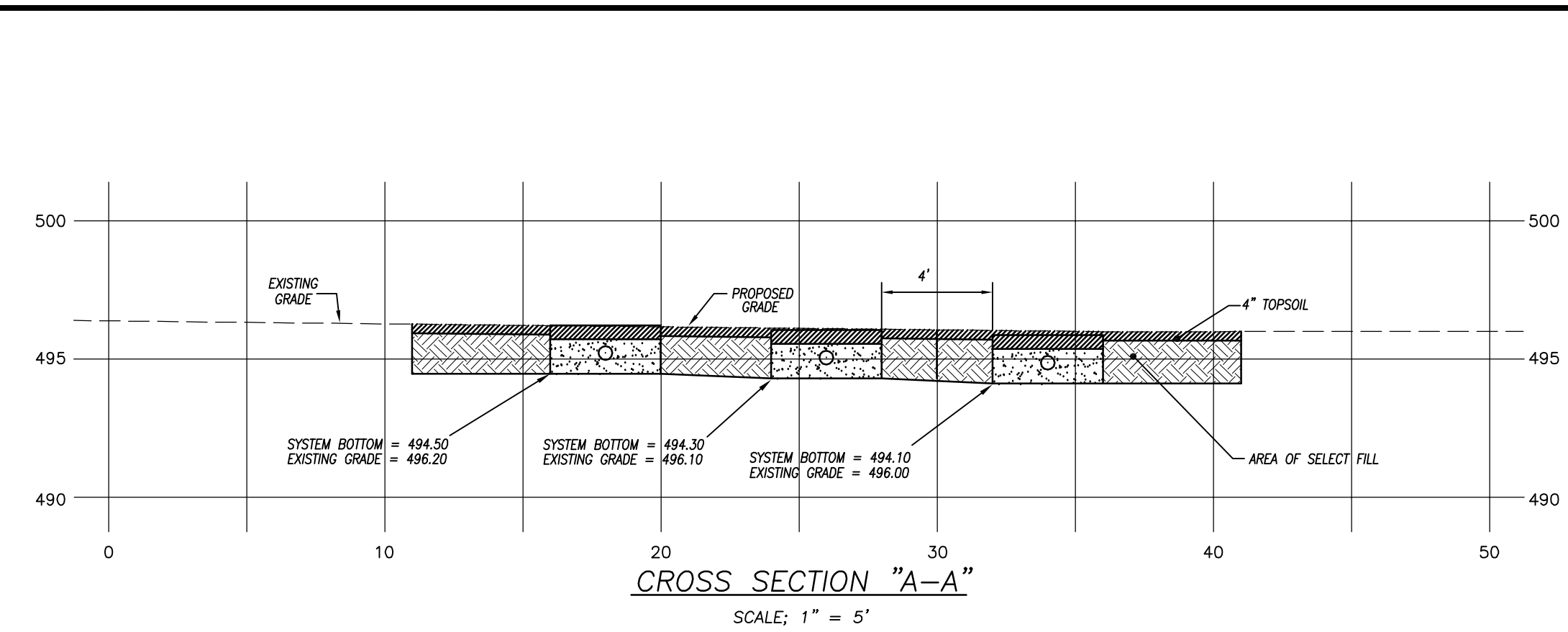
Marla Butts
Thompson Wetlands Agent
860-923-1852, Ext. 1
wetlands@thompsonct.org

 Text (1 KB)

[Attachment stripped: Original attachment type: "message/rfc822", name: "Forwarded Message"]

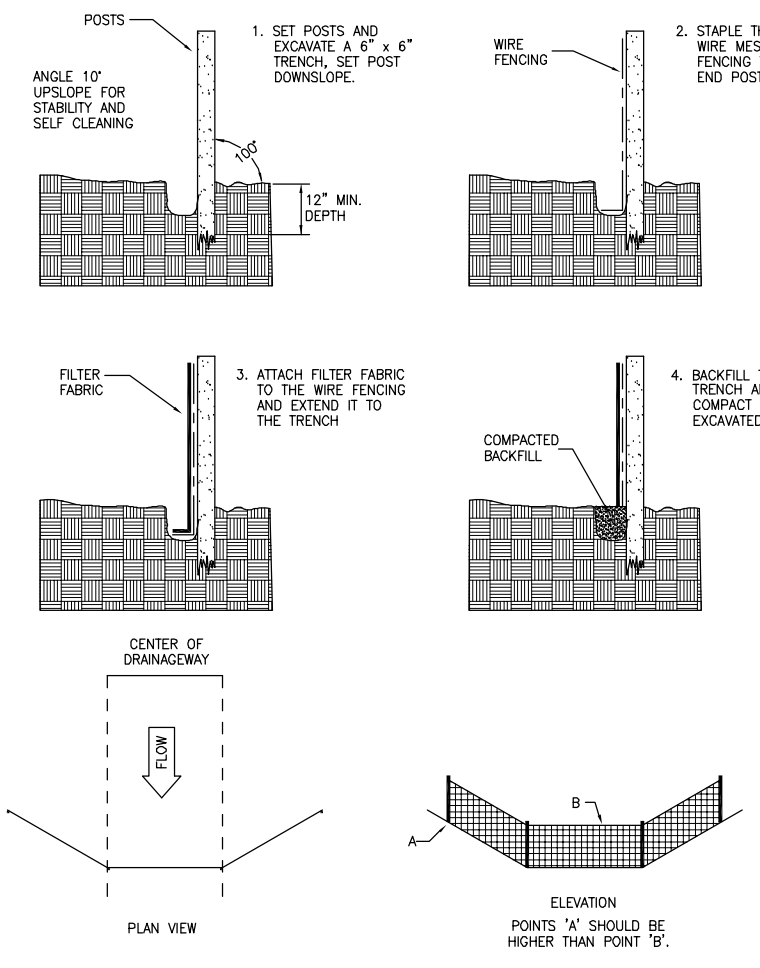
Agenda Item E.a) 4. Old Applications

WAA20023, Thomas Murray, 0 Sand Dam Rd., Assessor's map 114, block 24, lot 60B discharge of footing drain associated with the construction of new single family home, stamped received 6/18/2020, approved 10/9/2020, legal notice pending publication.



EROSION & SEDIMENTATION NOTES AND SEQUENCE OF OPERATIONS

- The proposed activity consists of the construction of a 3 bedroom house, driveway, septic system and well.
- Prior to any construction, excavation or filling, all improvements shall be accurately staked in the field by a land surveyor registered in the State of Connecticut.
- After field staking all erosion sedimentation control devices as shown on the plan and as detailed shall be installed. Properly installed haybales may be used in lieu of silt fence.
- All trees and brush within the areas of disturbance shall be removed. All limbs and saplings less than 4" in caliper shall be chipped and stockpiled for later reuse as slope stabilization and mulch material. All trees in excess of 4" in caliper shall be removed from the site and disposed of in a manner consistent with State, Federal, and local regulations. Tree stumps shall be ground on site and incorporated in the wood chip stockpile or shall be hauled off the site and disposed at a licensed facility. Burial of tree stumps is not permitted.
- Final grades shall be achieved as quickly as possible, and immediately thereafter, sideslopes shall be stabilized with 4" of topsoil. The area shall be seeded and mulched with straw mulch in accordance with the specifications contained herein.
- All erosion and sedimentation control measures shall be constructed in accordance with standards and specifications of the "Erosion and Sedimentation Control Handbook", U.S. Dept. of Agriculture, Soil Conservation Service.
- All control measures shall be maintained in effective conditions throughout the construction period and is required to be inspected once a week and after all storm events of 1/2 inch or greater of rainfall. Sediment shall be promptly removed from control structures and disposed of on-site in upland areas outside the buffer zone of wetlands. Any silt fence or hay bales damaged as a result of a storm event or construction activities, shall be immediately repaired.
- The Town of Thompson shall be notified prior to commencement of construction and at key point during construction so that inspections of erosion and sedimentation control measures can be scheduled.
- The responsibility for implementation of this plan shall rest with Tom Murray, 24 Pattison Road, Webster Ma 01570 Telephone: (508) 844-3089
- Seed Mixture:



UPON ACHIEVEMENT OF FINAL GRADES, 4" OF TOPSOIL SHALL BE SPREAD AND SEEDED WITH FOLLOWING MIX:	LBS./1000 S.F.
SEED	0.45
CREeping RED FESCUE	0.05
REDTOP	0.20
PERENNIAL RYEGRASS	0.15
KENTUCKY BLUEGRASS	0.15
TOTAL:	0.85

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

11. Schedule of construction activities:

Lot Clearing:	May 1 - May 15
Well Drilling:	May 1 - May 15
Site Grading and Foundation Construction:	May 15 - June 1
Driveway and Septic System Installation:	June 1 - June 15
Building Construction:	June 1 - Aug 1
Loam and Seeding:	Aug 1 - Aug 15

NOTES:

- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;
 - Boundary lines and shown conform to a Class "A-2" horizontal accuracy
 - Topographic features conform to a Class "T-2", "V-2" vertical accuracy.
 - Survey Type: General Location Survey.

- Owner: Ken M. Cournoyer
68 Cooney Road
Pomfret Center, Connecticut 06259
Applicant: Tom Murray
- Elevations based on National Geodetic Vertical Datum of 1929. Contours taken from actual field survey. Contour interval = 2'.
- Lot shown is located in Flood Hazard Zone "B" and "C" as shown on FIRM Flood Insurance Rate Map #090117 0010 B, Effective Date November 1, 1984.
- Parcel is Shown as Lot #6B, Block #24 on Assessor's Tax Map #114
- Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455.

- MAP REFERENCES:**
- "Subdivision of Land Owned by Estate of Josephine Pleshala - Judith Swayze Conservatrix - Sand Dam Road - Thompson, Connecticut - Scale 1" = 40' - Dated April 25, 1991 - Prepared by Albert Fitzback, LLS" - On File as map #1188
 - "Plan of Land Prepared for Ronald R. Blain & Peter A. Vanghel - Sand Dam Road - Thompson, Connecticut - Scale 1" = 200' - Dated January 14, 1994 - Prepared by CME Associates" - On File as map #1254

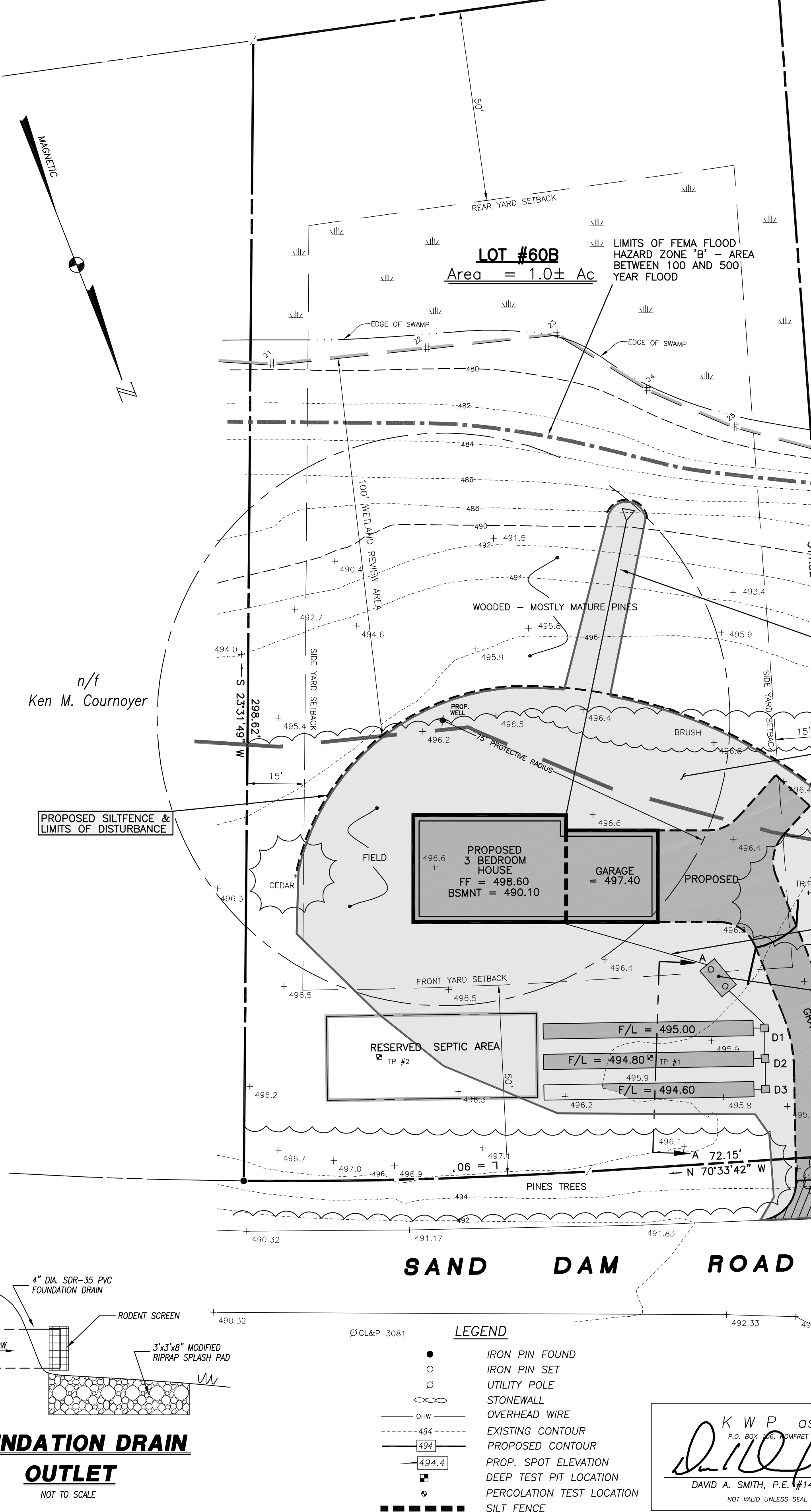
U/G UTILITIES CONDUIT IN TRENCH

NOTE: 1. CONTRACTOR TO VERIFY SIZES OF CONDUITS WITH RESPECTIVE UTILITY COMPANIES
2. SCH-40 RIGID GALVANIZED STEEL SHALL BE USED FOR ALL SWEEPS

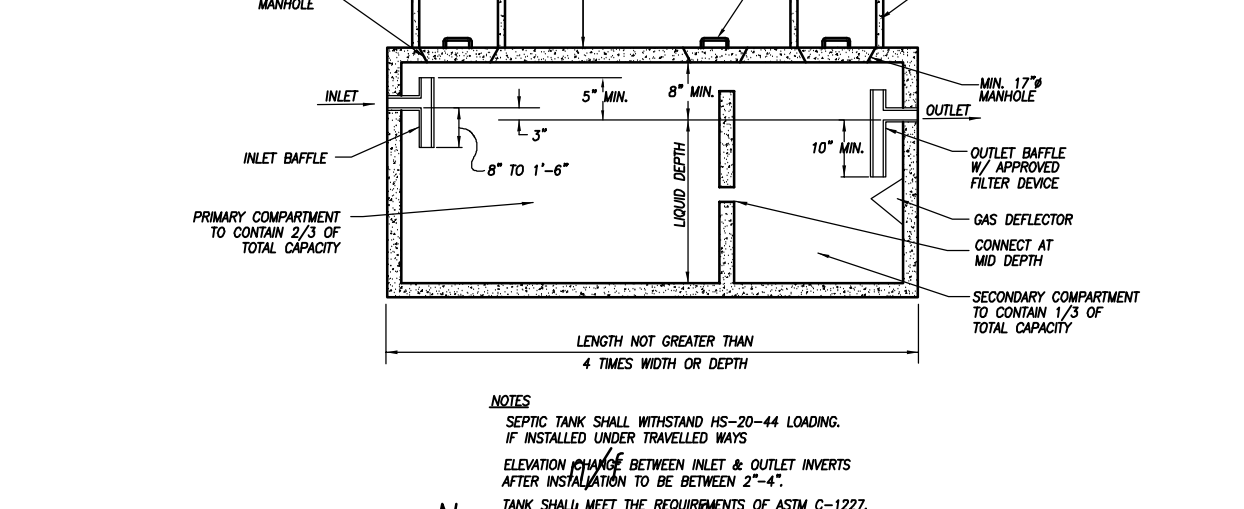
SEPTIC SYSTEM CONSTRUCTION NOTES

- The building and septic system shall be accurately staked in the field prior to construction by a licensed Land Surveyor in the State of Connecticut.
 - Topsoil shall be removed and the area of primary leaching field scarified prior to placement of fill. Fill shall meet the gradation requirements noted below. Fill material shall be approved by the engineer or the sanitarian prior to placement. It shall be compacted in six-inch lifts and shall extend a minimum of fifteen feet (15') beyond the last leaching trench before tapering off.
- Septic System Fill Gradation Requirements**
Coarse Fraction (less than 3" and greater than No. 4 sieve): 45% Max.
Fine Fraction:
- | Sieve | WET | DRY |
|---------|--------|--------|
| No. 4 | 100 | 100 |
| No. 10 | 70-100 | 70-100 |
| No. 40 | 10-50* | 10-75 |
| No. 100 | 0-20 | 0-5 |
| No. 200 | 0-5 | 0-2.5 |
- Percent passing the #40 sieve can be increased to no greater than 75% if the percent passing the #100 sieve does not exceed 10% and the #200 sieve does not exceed 5%.
- Precast septic tanks & distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans.
Solid distribution pipe shall be 4" diameter SDR-35 PVC MEETING ASTM D-3034 with compression gasket joints. It shall be laid true to the lines and grades shown on the plans and in no case have a slope less than 0.125 inches per foot.
 - Sewer pipe from the foundation wall to the septic tank shall be centrifugally cast iron meeting the requirements of ASTM A 74 or schedule 40 PVC meeting ASTM-1785.
 - Foundation drain outlet shall be 4" diameter SDR-35 PVC meeting the requirements of ASTM D-3034 with rubber compression gasket joints and backfilled with a non free-draining material.

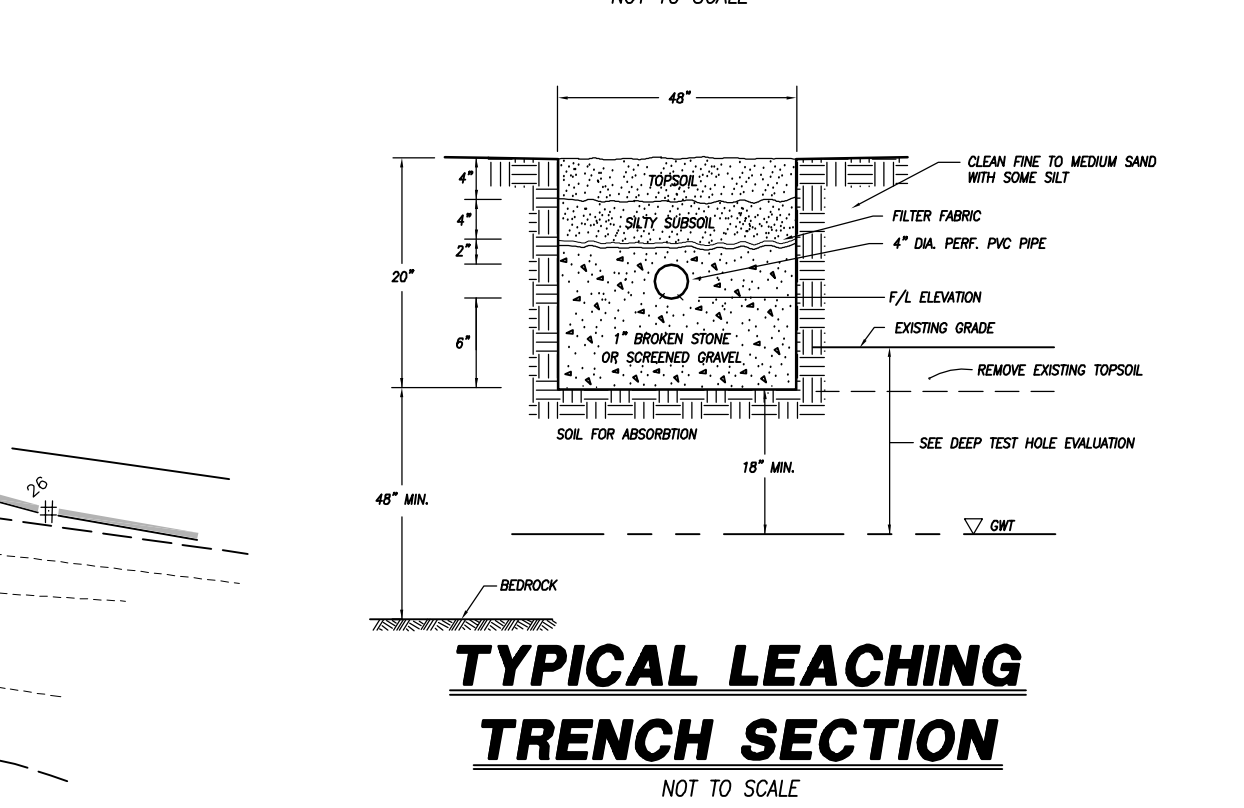
OVERFLOW / DISTRIBUTION BOX DETAIL



TWO-COMPARTMENT SEPTIC TANK



TYPICAL LEACHING TRENCH SECTION



DEEP TEST HOLE EVALUATION - June 2, 2020
Performed by: Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
1	0" - 8"	Topsoil
	8" - 28"	Orange Brown Gravelly Loamy Fine Sand
	28" - 90"	Gravelly Medium-Coarse Sand Layers
	Ledge	N/A
	Clay	N/A
2	0" - 9"	Topsoil
	9" - 24"	Orange Brown Gravelly Loamy Fine Sand
	24" - 89"	Gravelly Medium-Coarse Sand Layers
	Ledge	N/A
	Clay	N/A

PERCOLATION TEST DATA - June 2, 2020
Performed by: Northeast District Department of Health

HOLE	TIME	READING
A	11:46	9 3/4"
	11:48	16 3/4"
	11:50	22 3/4"
	11:52	25 1/2"
	11:54	27 1/4"
	11:56	28 1/4" (Dry)
	Depth	28"

Minimum Percolation Rate = 2.0 min./inch

BASIS OF SANITARY DESIGN

Percolation Rate	= 2.0 min. / in.
SEPTIC TANK	
1000 GALLON TWO COMPARTMENT	
F/L IN = 497.78	
F/L OUT = 497.53	
DISTRIBUTION BOXES	
D-1 (OVERFLOW)	
F/L IN = 495.00	
F/L OUT = 495.25	
D-2 (OVERFLOW)	
F/L IN = 495.80	
F/L OUT = 495.05	
D-3 (STANDARD)	
F/L IN = 495.85	
F/L OUT = 495.60	
MLSS Provided	= 55'
LEACHING FIELD	
3 Trenches @ 55 l.f. each	
Maximum depth into existing grade = >18"	

DATE	REVISIONS	BY
10/5/2020	SHADED LIMITS OF DISTURBANCE.	JES
8/11/2020	ADDED LIMITS OF VEGETATED AREAS, LIMITS OF DISTURBANCE	JES

Septic System Design Plan
Lot #60B
Prepared For
TOM MURRAY
SAND DAM ROAD
THOMPSON, CONNECTICUT

KWP associates
SURVEYING ~ ENGINEERING ~ SITE PLANNING
250 Killingly Road
Pomfret Center, Ct. 06259-0106

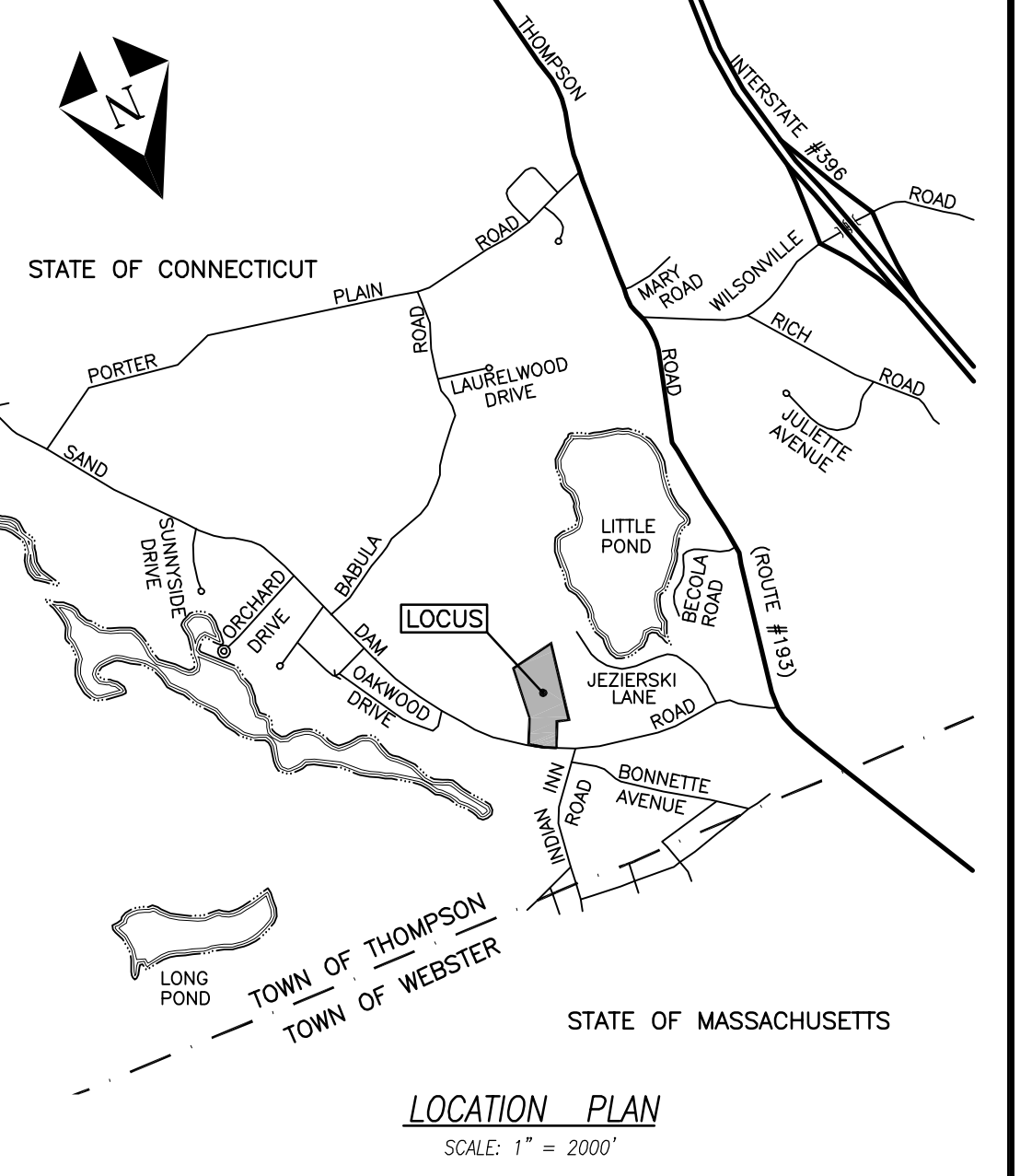
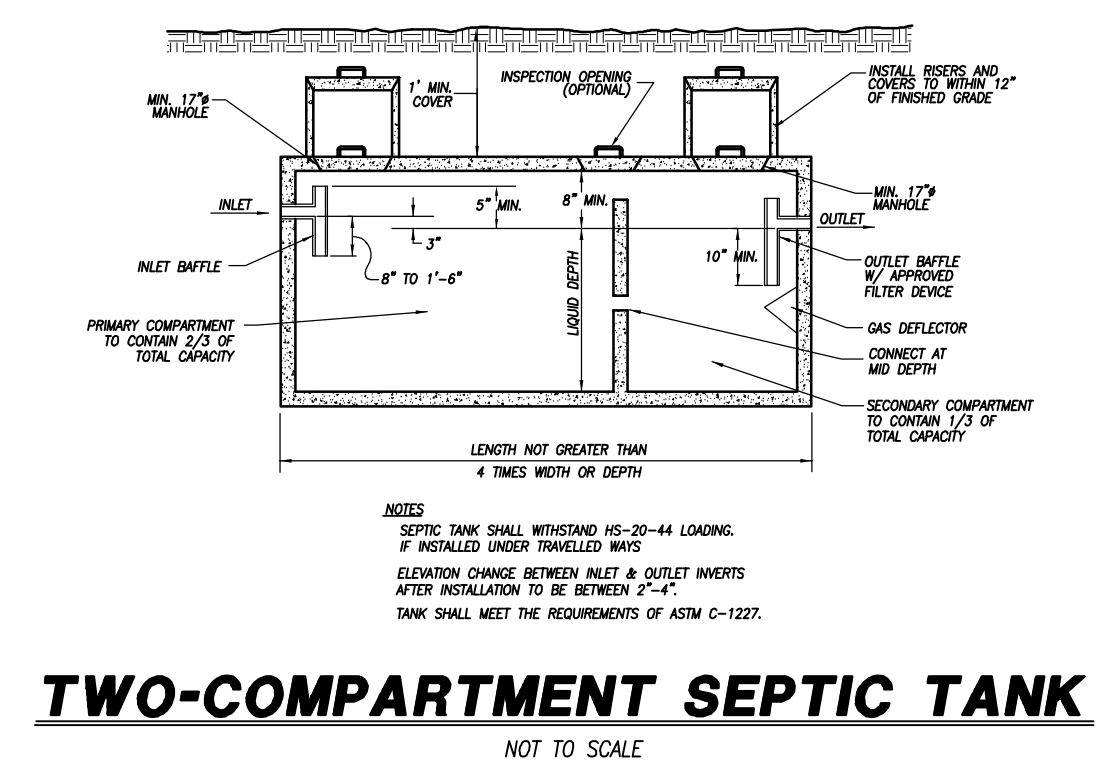
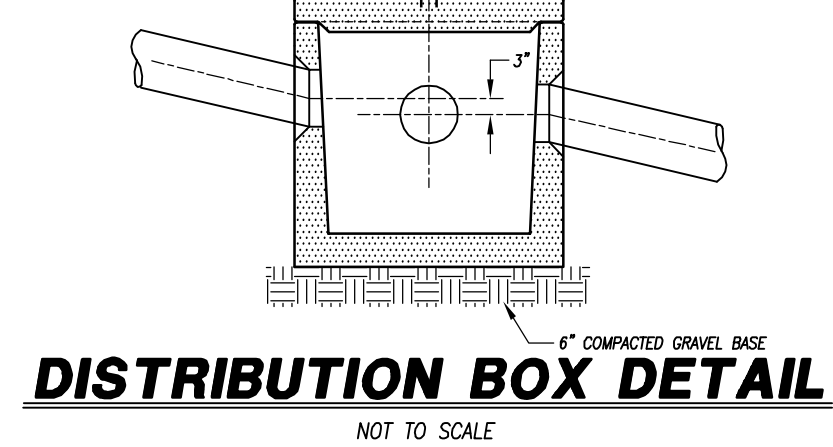
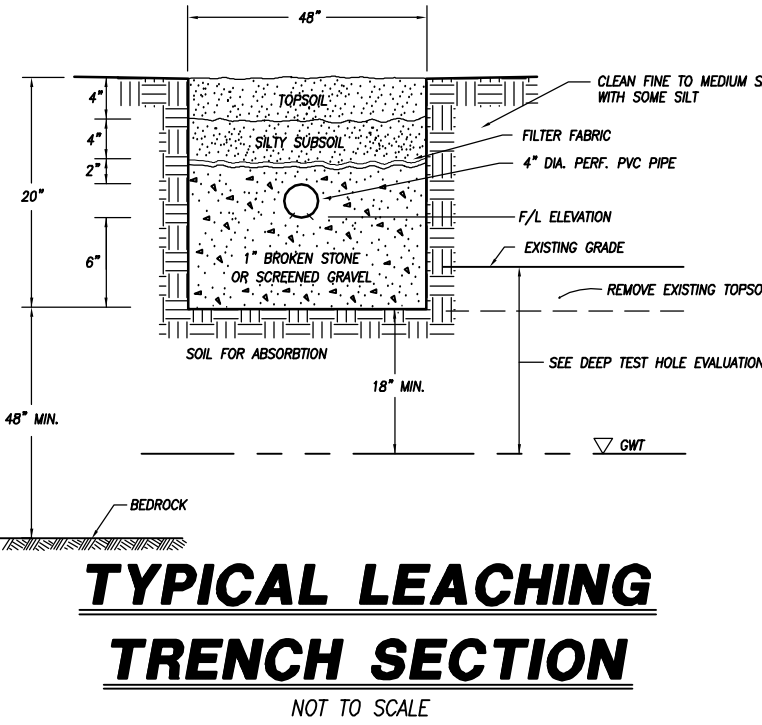
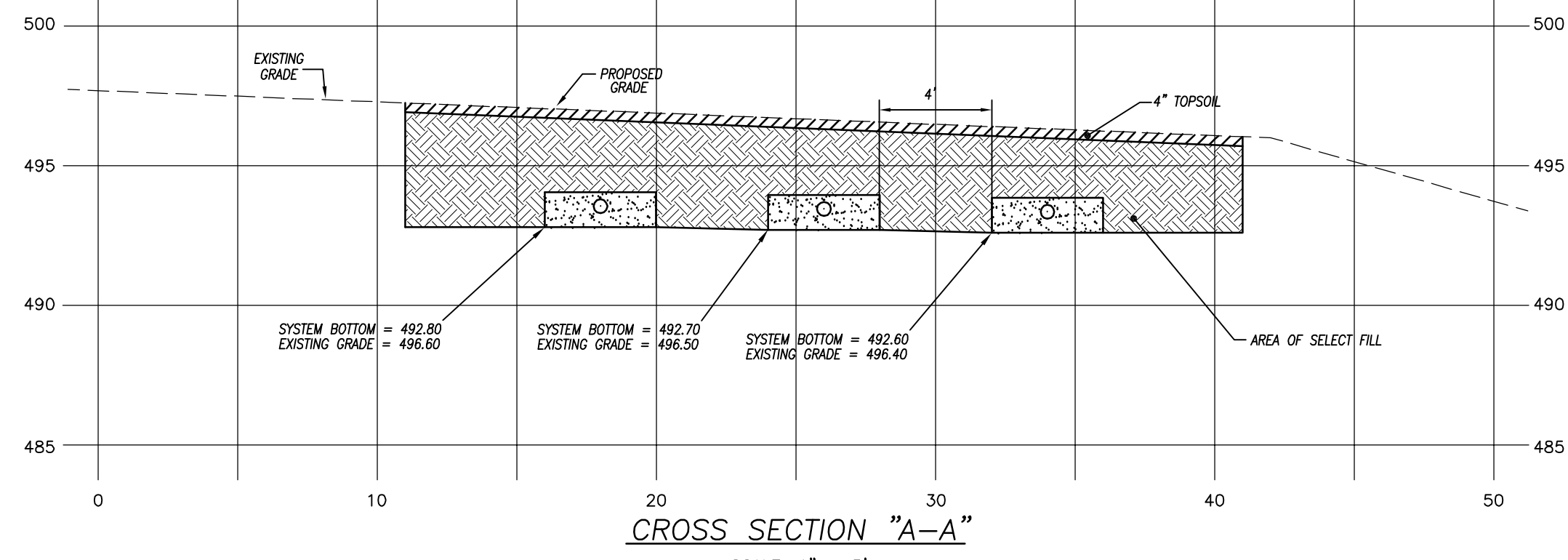
SCALE: 1" = 20'
DATE: 6/10/2020
SHEET: 1 OF 1
PROJ # 20017 FB: -
Dwn: JES Cnk:

KWP associates
P.O. BOX 300, POMFRET CENTER, CT. 06259
David Smith
DAVID A. SMITH, P.E. #14173 DATE 8/11/2020
NOT VALID UNLESS SEAL IS AFFIXED HERETO

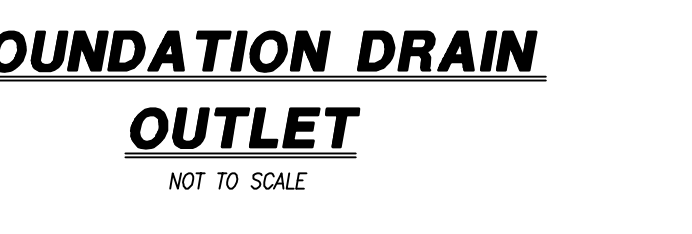
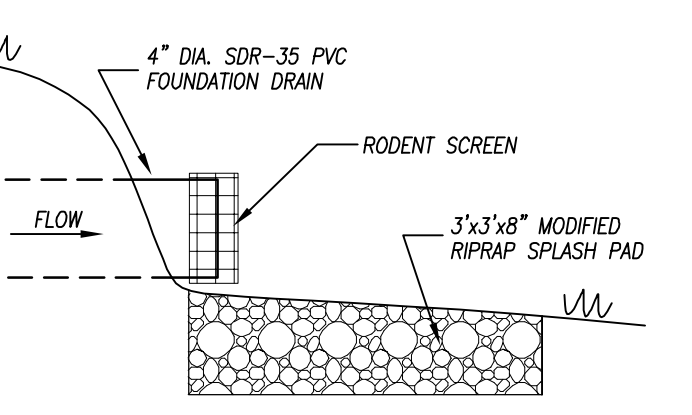
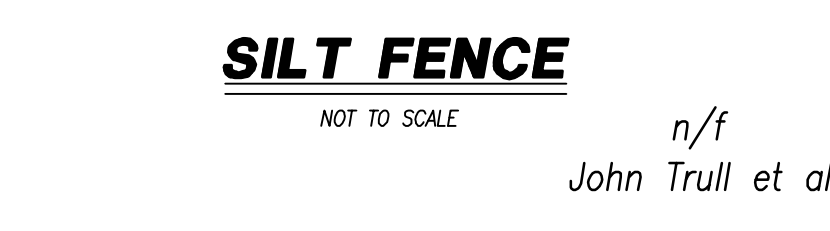
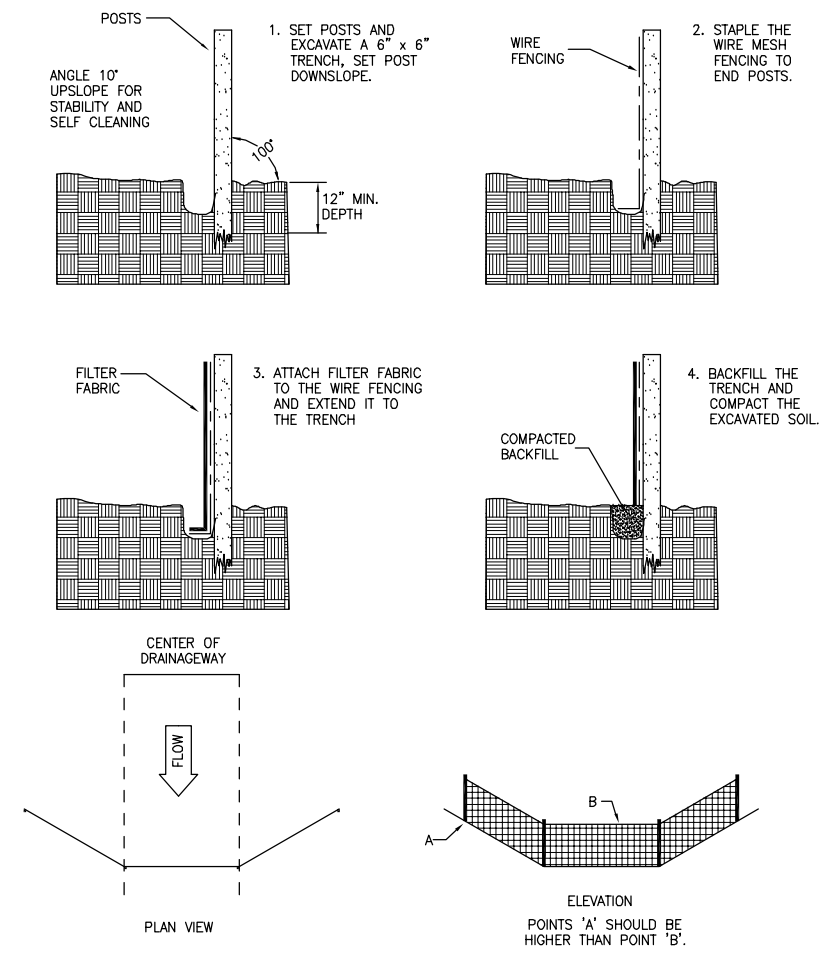
To my knowledge and belief, this map is substantially correct as noted hereon.
Bruce D. Woodis 8/11/2020
BRUCE D. WOODIS, Conn. L.S. #13646
No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.

Agenda Item E.a) 5. Old Applications

WAA20024, Thomas Murray, 0 Sand Dam Rd., Assessor's map 114, block 24, lot 60C construct new single family home, driveway and footing drain portions of which are located in the 100-foot upland review area, stamped received 6/18/2020, approved 10/9/2020, legal notice pending publication.



- EROSION & SEDIMENTATION NOTES AND SEQUENCE OF OPERATIONS**
- The proposed activity consists of the construction of a 3 bedroom house, driveway, septic system and well.
 - Prior to any construction, excavation or filling, all improvements shall be accurately staked in the field by a land surveyor registered in the State of Connecticut.
 - After field staking all erosion sedimentation control devices as shown on the plan and as detailed shall be installed. Properly installed haybales may be used in lieu of silt fence.
 - All trees and brush within the areas of disturbance shall be removed. All limbs and saplings less than 4\"/>
 - Final grades shall be achieved as quickly as possible, and immediately thereafter, sideslopes shall be stabilized with 4\"/>
 - All erosion and sedimentation control measures shall be constructed in accordance with standards and specifications of the "Erosion and Sedimentation Control Handbook", U.S. Dept. of Agriculture, Soil Conservation Service.
 - All control measures shall be maintained in effective conditions throughout the construction period and is required to be inspected once a week and after all storm events of 1/2 inch or greater of rainfall. Sediment shall be promptly removed from control structures and disposed of on-site in upland areas outside the buffer zone of wetlands. Any silt fence or hay bales damaged as a result of a storm event or construction activities, shall be immediately repaired.
 - The Town of Thompson shall be notified prior to commencement of construction and at key point during construction so that inspections of erosion and sedimentation control measures can be scheduled.
 - The responsibility for implementation of this plan shall rest with Tom Murray, 24 Pattison Road, Webster Ma 01570 Telephone: (508) 844-3089
 - Seed Mixture:



SEPTIC SYSTEM CONSTRUCTION NOTES

- Schedule of construction activities:
- | | |
|---|------------------|
| Lot Clearing: | July 1 - July 15 |
| Well Drilling: | July 1 - July 15 |
| Site Grading and Foundation Construction: | July 15 - Aug 1 |
| Driveway and Septic System Installation: | Aug 1 - Aug 15 |
| Building Construction: | Aug 1 - Oct 1 |
| Loam and Seeding: | Oct 1 - Oct 15 |

- NOTES:**
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;
 - Boundary lines and shown conform to a Class "A-2" horizontal accuracy
 - Topographic features conform to a Class "T-2", "V-2" vertical accuracy.
 - Survey Type: General Location Survey.
 - Owner: Ken M. Cournoyer Applicant: Tom Murray
68 Cooney Road Pomfret Center, Connecticut 06259
 - Elevations based on National Geodetic Vertical Datum of 1929. Contours taken from actual field survey. Contour interval = 2'.
 - Lot shown is located in Flood Hazard Zone "B" & "C" as shown on FIRM Flood Insurance Rate Map #090117 0010 B, Effective Date November 1, 1984.
 - Parcel is shown as Lot #60C, Block #24 on Assessor's Tax Map #114 Tax Map #114
 - Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455.

MAP REFERENCES:

- "Subdivision of Land Owned by Estate of Josephine Pleshia - Judith Swazey Conservatrix - Sand Dam Road - Thompson, Connecticut - Scale 1" = 40' - Dated April 25, 1991 - Prepared by Albert Fitzback, LLS" - On File as map #1188
- "Plan of Land Prepared for Ronald R. Blain & Peter A. Vanghel - Sand Dam Road - Thompson, Connecticut - Scale 1" = 200' - Dated January 14, 1994 - Prepared by CME Associates" - On File as map #1254

- The building and septic system shall be accurately staked in the field prior to construction by a licensed Land Surveyor in the State of Connecticut.
- Topsoil shall be removed and the area of primary leaching field scarified prior to placement of fill. Fill shall meet the gradation requirements noted below. Fill material shall be approved by the engineer or the sanitarian prior to placement. It shall be compacted in six-inch lifts and shall extend a minimum of fifteen feet (15') beyond the last leaching trench before tapering off.

Septic System Fill Gradation Requirements

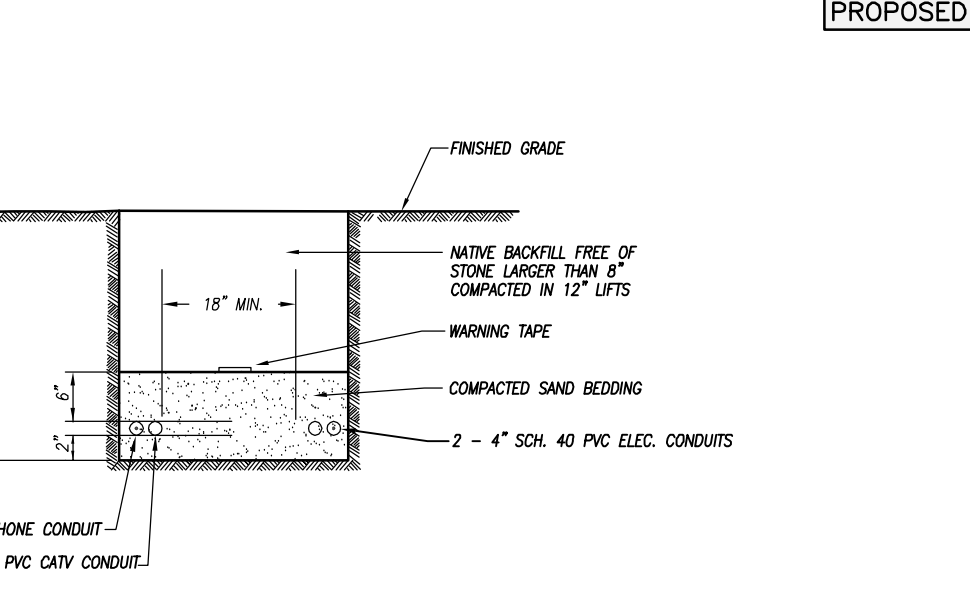
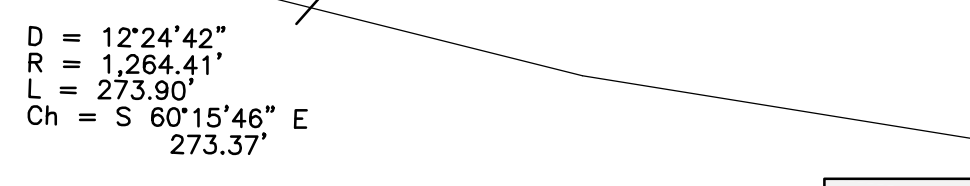
Coarse Fraction (less than 3" and greater than No. 4 sieve):	Percent Passing
No. 4	100
No. 10	70-100
No. 40	10-50*
No. 100	0-20
No. 200	0-5

*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%.
- Precast septic tanks & distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans.

Septic System Fill Gradation Requirements

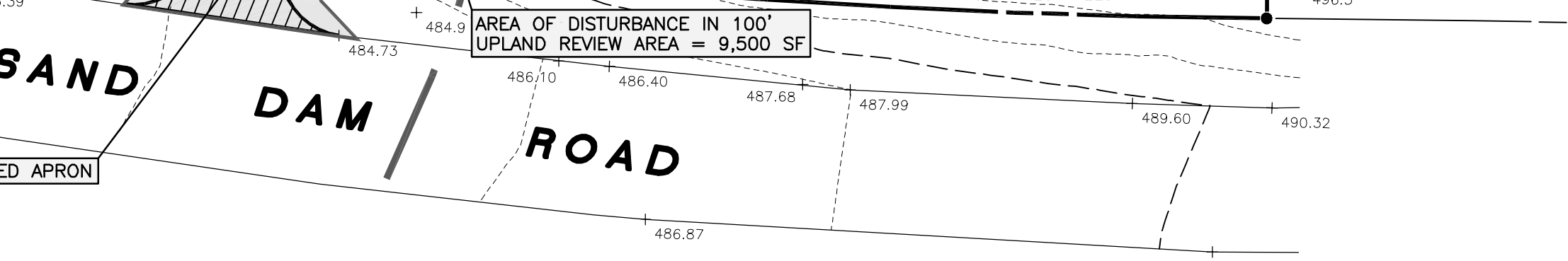
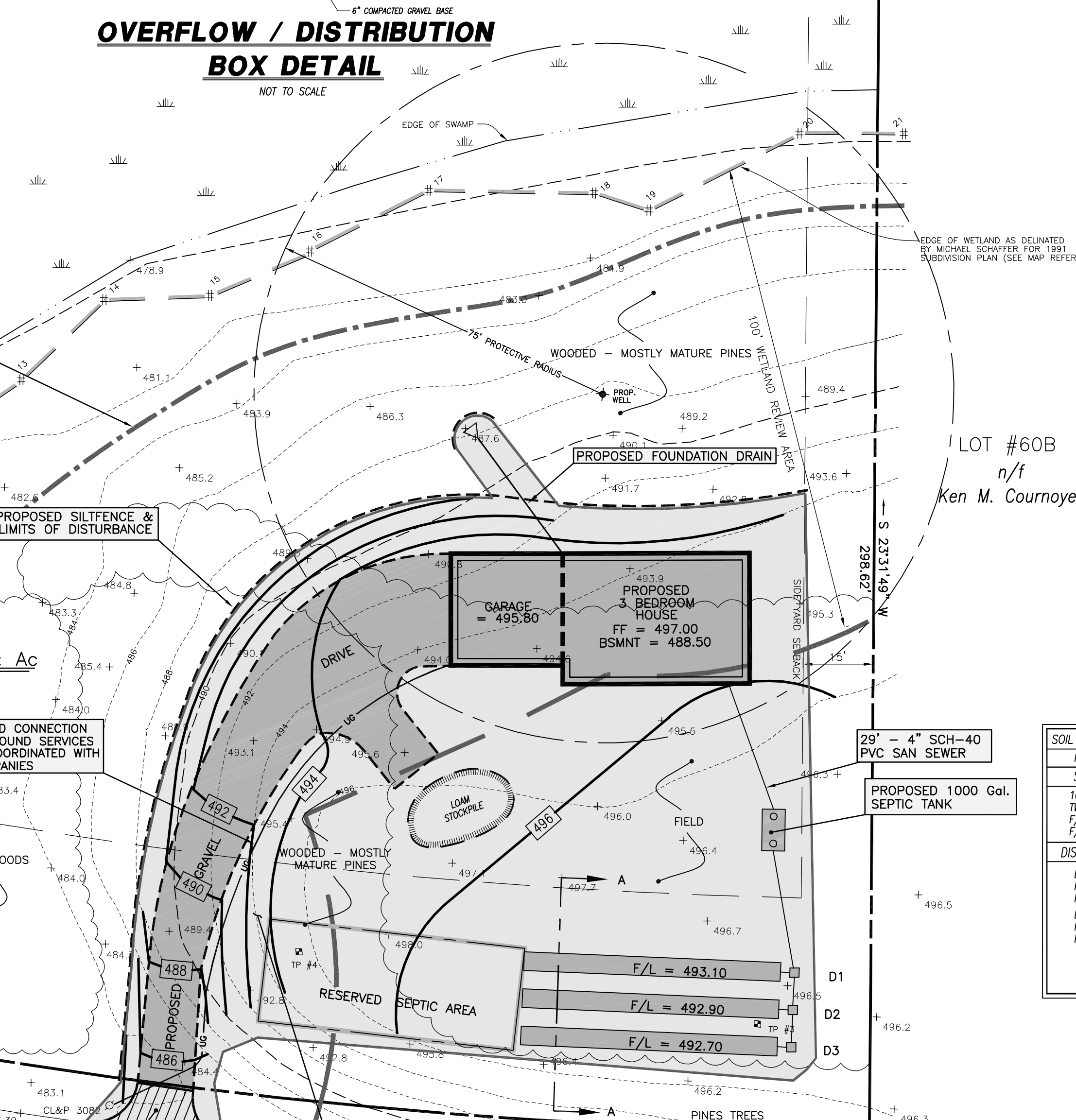
Sieve	W.C.T. (%)	DIST. (%)
No. 4	100	100
No. 10	70-100	70-100
No. 40	10-50*	10-75
No. 100	0-20	0-5
No. 200	0-5	0-2.5

*Percent passing the #40 sieve can be increased to no greater than 75% if the percent passing the #100 sieve does not exceed 10% and the #200 sieve does not exceed 5%.
- Solid distribution pipe shall be 4" diameter SDR-35 PVC MEETING ASTM D-3034 with compression gasket joints. It shall be laid true to the lines and grades shown on the plans and in no case have a slope less than 0.125 inches per foot.
- Sewer pipe from the foundation wall to the septic tank shall be centrifugally cast iron meeting the requirements of ASTM A 74 or schedule 40 PVC meeting ASTM-1785.
- Foundation drain outlet shall be 4" diameter SDR-35 PVC meeting the requirements of ASTM D-3034 with rubber compression gasket joints and backfilled with a non free-draining material.



- U/G UTILITIES CONDUIT IN TRENCH**
- NOTE: 1. CONTRACTOR TO VERIFY SIZES OF CONDUITS WITH RESPECTIVE UTILITY COMPANIES
2. SCH-40 RIGID GALVANIZED STEEL SHALL BE USED FOR ALL SWEEPS

LOT #60C (FORMER #LOT 60A)
Total Combined Area = 6.4± Ac



- PERCOLATION TEST DATA - June 2, 2020**
Performed by: Northeast District Department of Health
- | TEST PIT | DEPTH | PROFILE |
|----------|-----------|---------------------------------------|
| 3 | 0" - 9" | Topsoil |
| | 9" - 21" | Orange Brown Gravelly Loamy Fine Sand |
| | 21" - 72" | Gravelly Coarse Sand |
| | 72" - 94" | Medium Sand |
| 4 | 0" - 9" | Topsoil |
| | 9" - 23" | Orange Brown Gravelly Loamy Fine Sand |
| | 23" - 64" | Gravelly Coarse Sand |
| | 64" - 94" | Medium Sand |
| | Ledge | N/A |
| | Mottling | N/A |
- PERCOLATION TEST DATA - June 2, 2020**
Performed by: Northeast District Department of Health
- | HOLE | TIME | READING |
|------|--------------------------|------------------|
| B | 11:57 | 10 1/4" |
| | 11:59 | 16 1/2" |
| | 12:00 | 23 1/2" |
| | 12:02 | 24 1/2" |
| | 12:04 | 28 1/4" |
| | 12:06 | 28" (Dry) |
| | Depth | 28" |
| | Minimum Percolation Rate | = 1.14 min./inch |
- BASIS OF SANITARY DESIGN**
- | | |
|------------------------------------|------------------------------------|
| Percolation Rate | = 1.14 min. / in. |
| 3 bedroom house requires | = 495 s.f. effective leaching area |
| Effective Leaching area | = 3 s.f. / l.f. of trench |
| Length Required | = 495/3 = 165 l.f. |
| Length Provided | = 3 (55') = 165 l.f. |
| Min. Leaching system Spread (MLSS) | = Need Not Be Considered |
| MLSS Provided | = 55' |
| LEACHING FIELD | |
| 3 Trenches @ 55 l.f. each | |
| Maximum depth into existing grade | = >18" |
- SOIL PIPE @ BUILDING**
- | |
|---------------------------|
| F/L = 494.70 |
| SEPTIC TANK |
| 1000 GALLON |
| TWO-COMPARTMENT |
| F/L IN = 494.05 |
| F/L OUT = 493.80 |
| DISTRIBUTION BOXES |
| D-1 (OVERFLOW) |
| F/L IN = 493.30 |
| F/L OUT = 493.55 |
| D-2 (OVERFLOW) |
| F/L IN = 493.20 |
| F/L OUT = 493.45 |
| D-3 (STANDARD) |
| F/L IN = 493.35 |
| F/L OUT = 493.10 |

REVISIONS

DATE	DESCRIPTION	BY
10/5/2020	SHADED LIMITS OF DISTURBANCE, REVISED FOOTING DRAIN	JES
8/11/2020	ADDED LIMITS OF VEGETATED AREAS, LIMITS OF DISTURBANCE	JES
7/27/2020	REVISED SEPTIC SYSTEM, HOUSE AND WELL	JES

Septic System Design Plan
Lot #60C
Prepared For
TOM MURRAY
SAND DAM ROAD
THOMPSON, CONNECTICUT

KWP associates
SURVEYING ~ ENGINEERING ~ SITE PLANNING
250 Killingly Road
Pomfret Center, Ct. 06259-0106

SCALE: 1" = 20'
DATE: 6/10/2020
SHEET: 1 OF 1
PROJ # 20017 FB: -
Dwn: JES Chk:

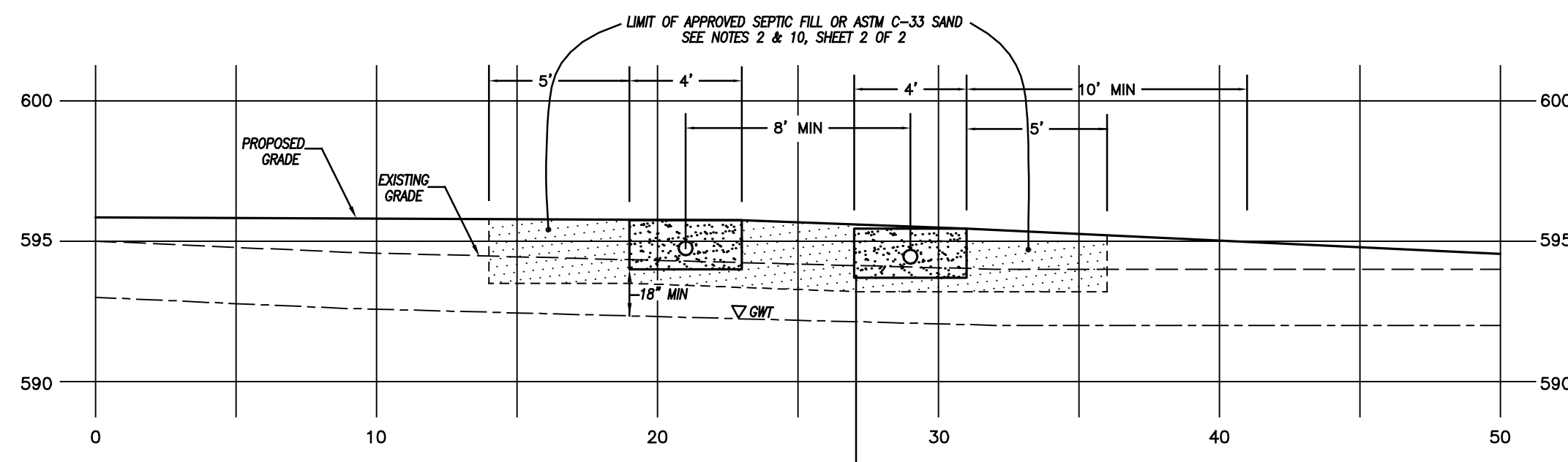
KWP associates
P.O. BOX 110, POMPRET CENTER, CT 06259
David A. Smith
DAVID A. SMITH, P.E. #14173 DATE: 2/23/2016
NOT VALID UNLESS SEAL IS AFFIXED HERETO

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

Bruce D. Woodis 2/23/2016
BRUCE D. WOODIS, Conn. L.S. #13646
No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.

Agenda Item E.a) 6. Old Applications

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, under
review.



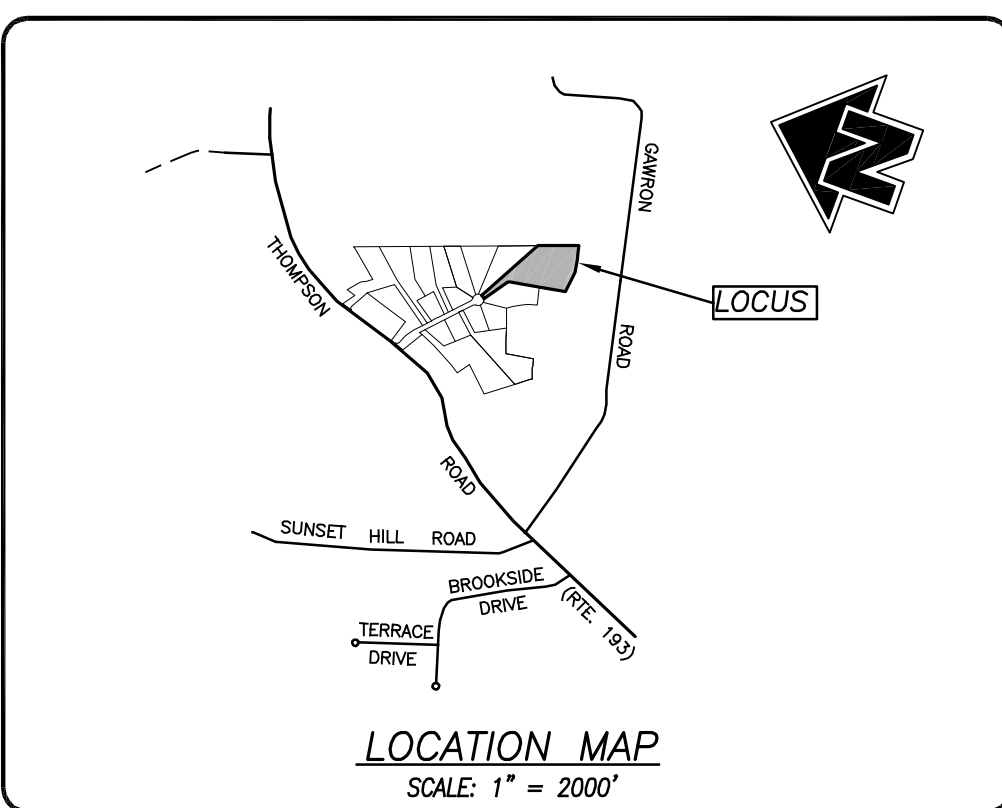
CROSS SECTION "A-A"
SCALE: 1" = 5'

**FOR ALL CONSTRUCTION NOTES,
TEST PIT DATA AND DETAILS
SEE SHEET 2 OF 2.**

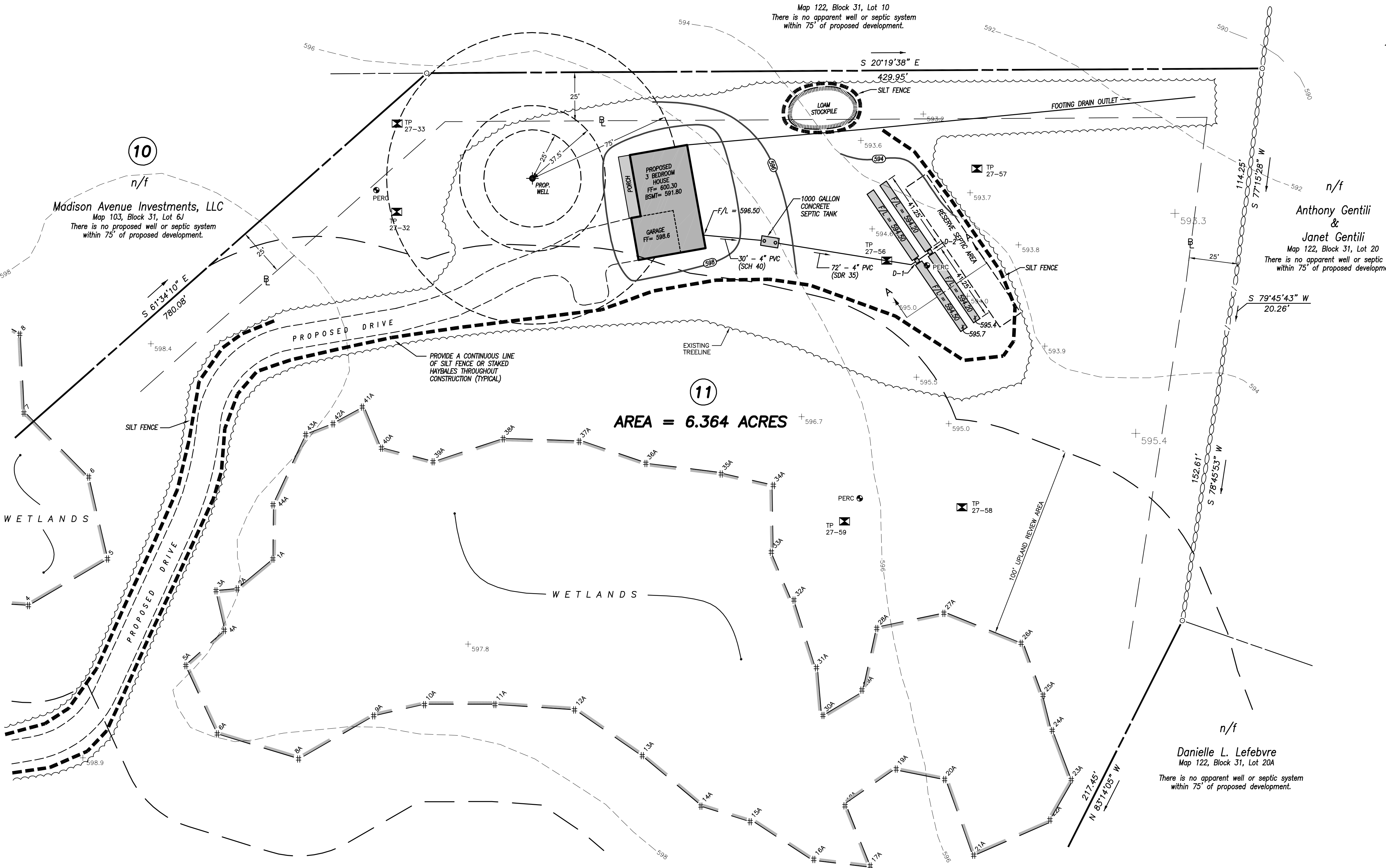
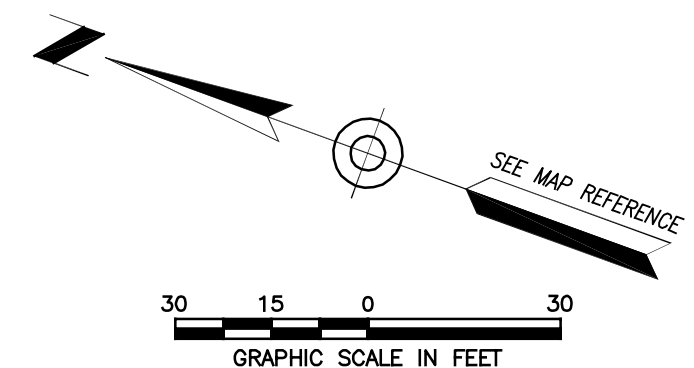
n/f
John F. McWilliam
&
James Scott McWilliam
Map 122, Block 31, Lot 10
There is no apparent well or septic system
within 75' of proposed development.

SEPTIC SYSTEM DESIGN DATA

Percolation Rate	= 8.0 min. / in.
3 bedroom house requires	= 495 s.f. effective leaching area
Effective Leaching area	= 3 s.f. / l.f. of trench
Length Required	= 495/3 = 165 l.f.
Length Provided	= 4 (41.25') = 165 l.f.
Min. Leaching System Spread (MLSS)	= 48 x 1.5 x 1.0 = 72.0'
MLSS Provided	= 82.5'
LEACHING FIELD	
4 Trenches @ 41.25 l.f. each	
Maximum depth into existing grade	= 6"



NOTE: SEPTIC SYSTEMS AND WELLS SHALL BE LOCATED
A MINIMUM OF 37.5' FROM PROPERTY LINES PER ARTICLE IV,
SECTION 2.R OF THE THOMPSON SUBDIVISION REGULATIONS



10
n/f
Madison Avenue Investments, LLC
Map 103, Block 31, Lot 6J
There is no proposed well or septic system
within 75' of proposed development.

n/f
Anthony Gentili
&
Janet Gentili
Map 122, Block 31, Lot 20
There is no apparent well or septic system
within 75' of proposed development.

n/f
Danielle L. Lefebvre
Map 122, Block 31, Lot 20A
There is no apparent well or septic system
within 75' of proposed development.

SURVEYOR SHALL SET A BENCH
MARK IN THE AREA OF THE
SEPTIC SYSTEM AT THE TIME
OF CONSTRUCTION STAKE-OUT.

SEPTIC TANK	
1000 GALLON	
TWO COMPARTMENT	
F/L IN = 595.75	
F/L OUT = 595.50	
DISTRIBUTION BOXES	
D-1 (OVERFLOW)	
F/L IN = 594.67	
F/L OUT = 594.50	
OVERFLOW = 594.75	
D-2 (STANDARD)	
F/L IN = 594.37	
F/L OUT = 594.20	

- NOTES:
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;
 - This map was prepared from record research, other maps, limited field measurements and other sources, it is not to be construed as a Property/Boundary or Limited Property /Boundary Survey and is subject to such facts as said surveys may disclose.
 - This survey conforms to a Class "C" horizontal accuracy.
 - Topographic features conform to a Class "T-2", "V-2" vertical accuracy.
 - Survey Type: General Location Survey.
 - Zone = R-40.
 - Owner of record: Madison Avenue Investments, LLC
89 Wauregan Road
Brooklyn, CT 06234
 - Parcel is shown as Lot #6K, Block #31 on Assessors Map #103.
 - Elevations shown are based on National Geodetic Vertical Datum of 1929 (NGVD 29). Contours shown are taken from map reference. Contour interval = 2'.
 - Test Pit data taken from map reference.
 - Wetlands shown were taken from map reference.
 - Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455 or 811.

MAP REFERENCE:
"Subdivision Map - Prepared for - Meehan Builders, Inc. Thompson Road (Rte. 193) - Thompson, Connecticut - Scale: 1" = 100' - Date: 4/13/2004 - Revised to: 6/15/2011 - Sheet 2 of 11 - Prepared by: Killingly Engineering Associates." On file in the Thompson Land Records.

DATE	DESCRIPTION

GENERAL LOCATION SURVEY
SEPTIC SYSTEM DESIGN PLAN - LOT 11
PREPARED FOR
MADISON AVENUE INVESTMENTS, LLC
MADISON AVENUE
THOMPSON, CONNECTICUT

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

DATE: 7/07/2020	DRAWN: AMR
SCALE: 1" = 30'	DESIGN: NET
SHEET: 1 OF 2	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 15048

LEGEND

F.F.	FINISHED FLOOR
●	IRON PIN SET
○	IRON PIN FOUND
○	PERCOLATION TEST HOLE
□	TEST HOLE
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
—#—	INLAND WETLANDS FLAG
—#—	BUILDING SETBACK LINE
—#—	STONE WALL
—#—	SILT FENCE

APPROVED BY THE TOWN OF THOMPSON
INLAND WETLANDS & WATERCOURSES AGENCY

CHAIRMAN	DATE

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

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

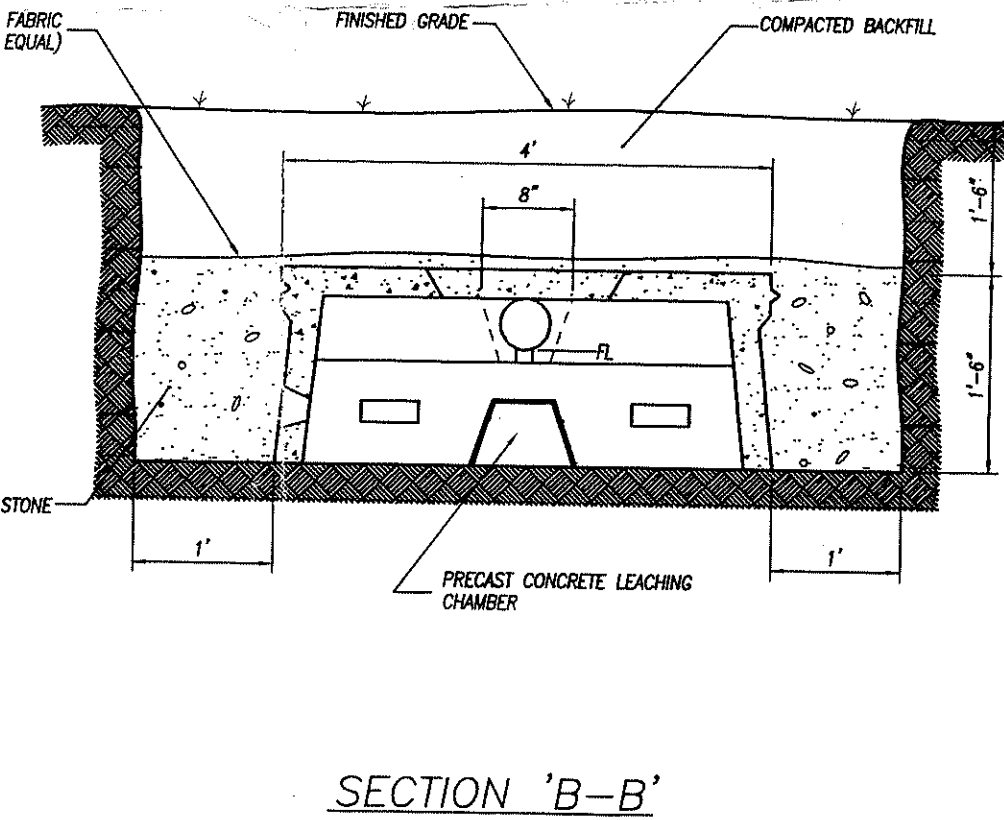
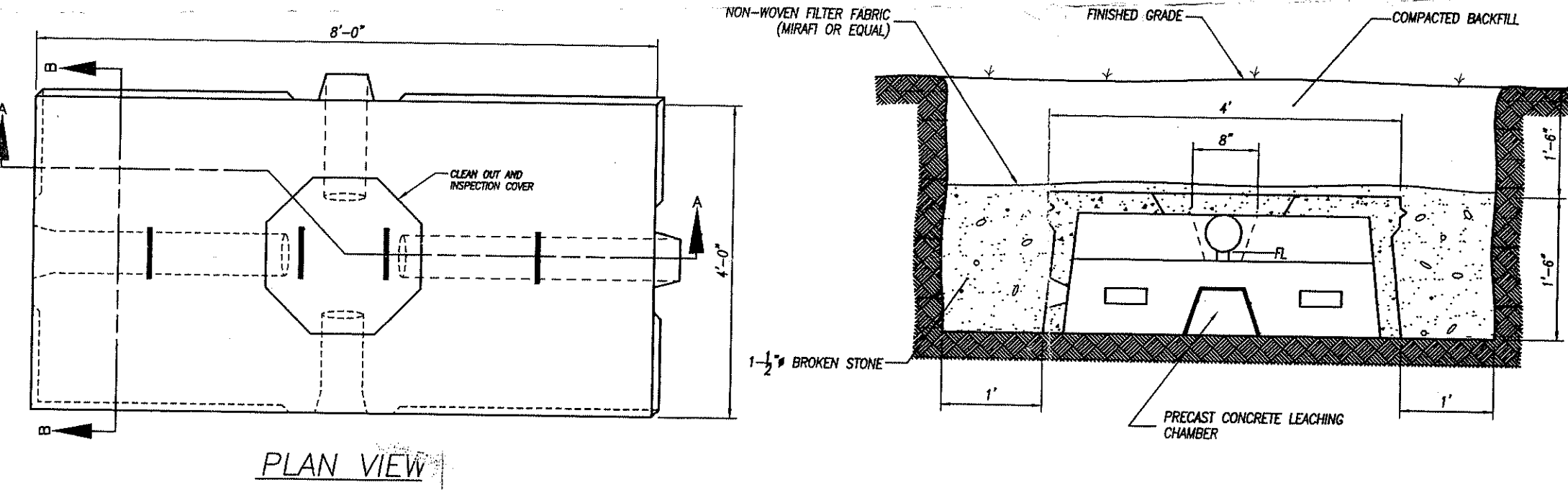
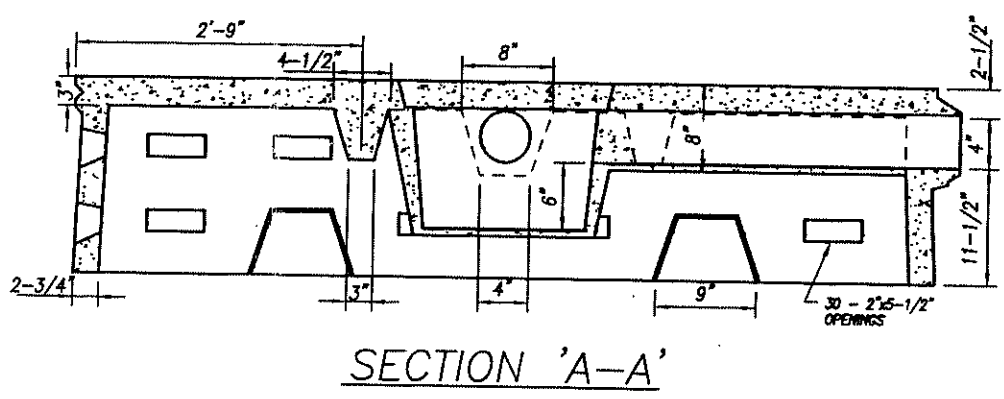
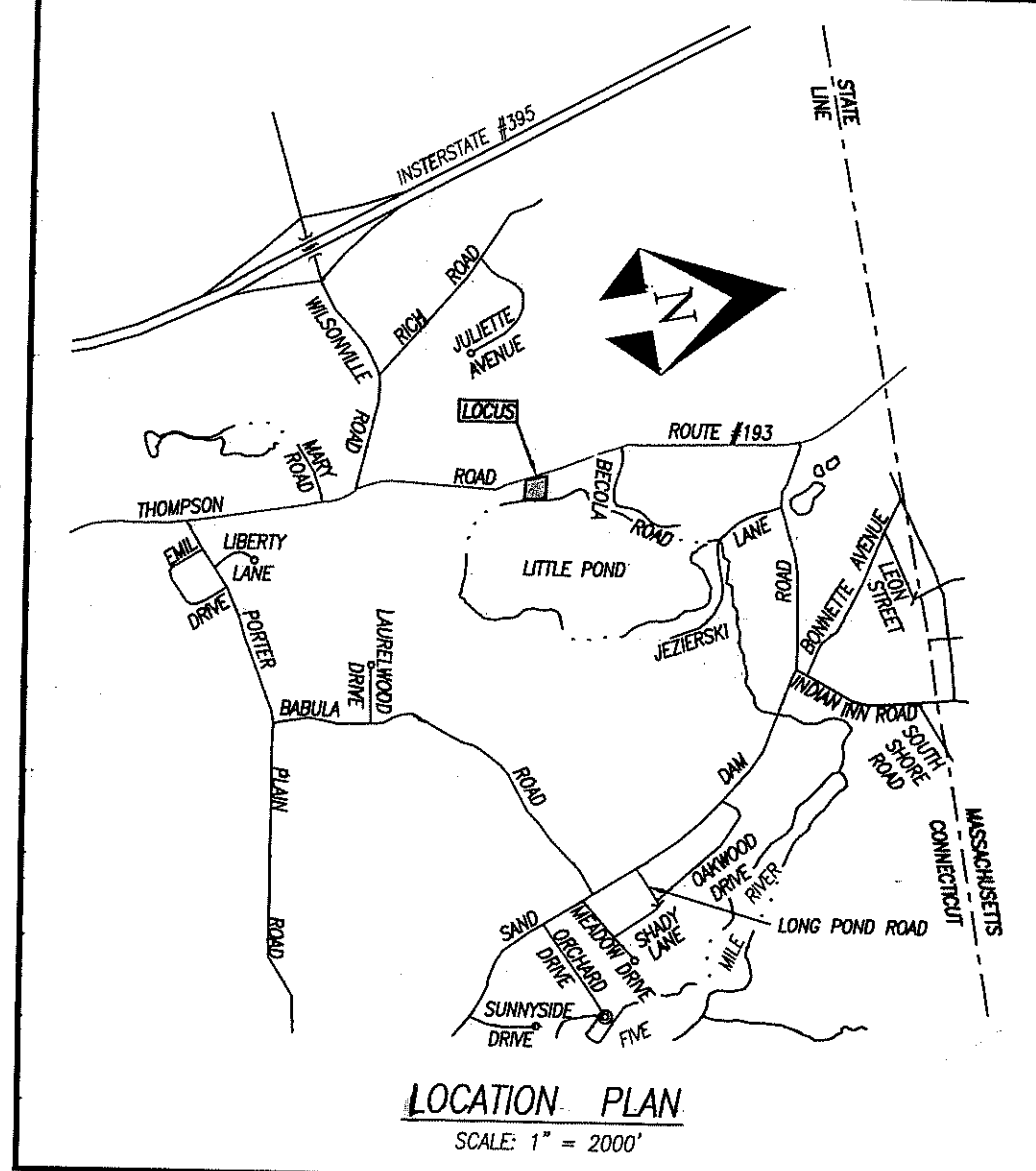
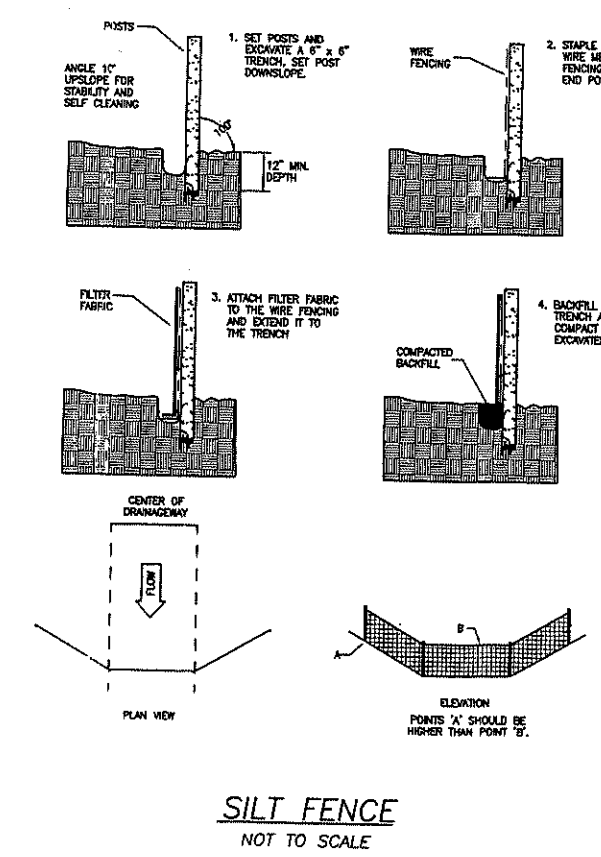
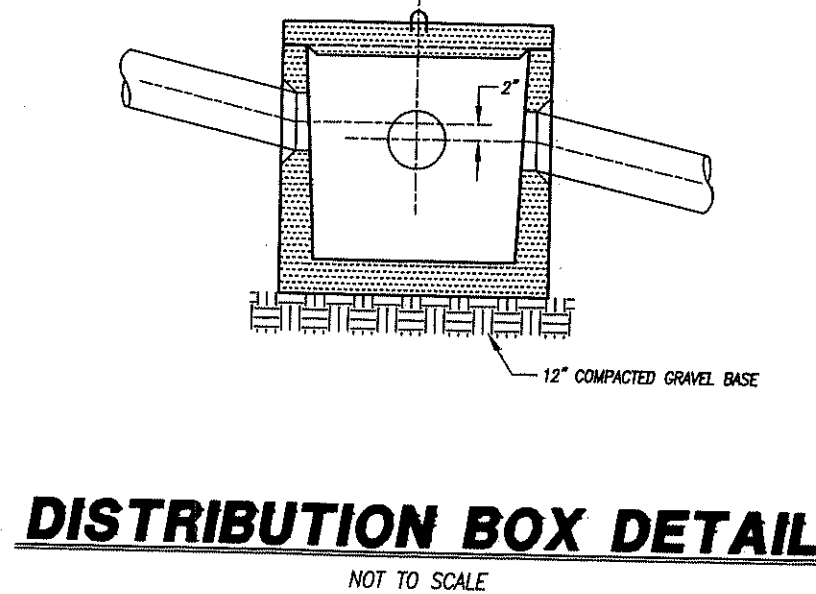
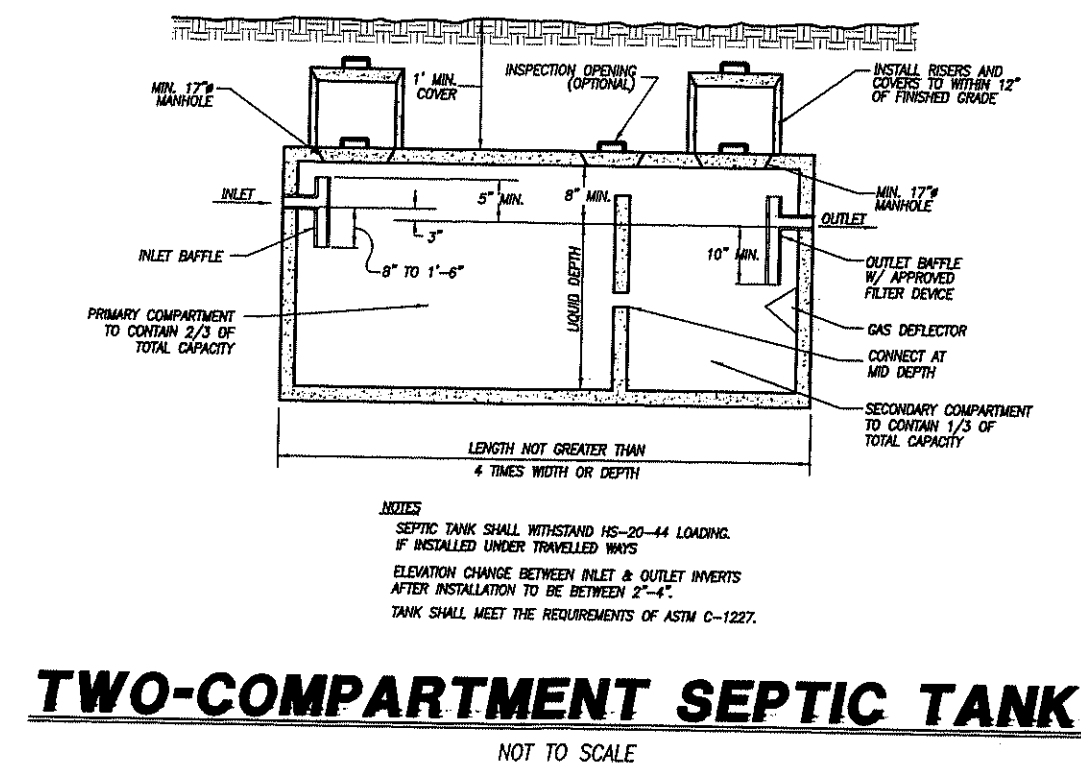
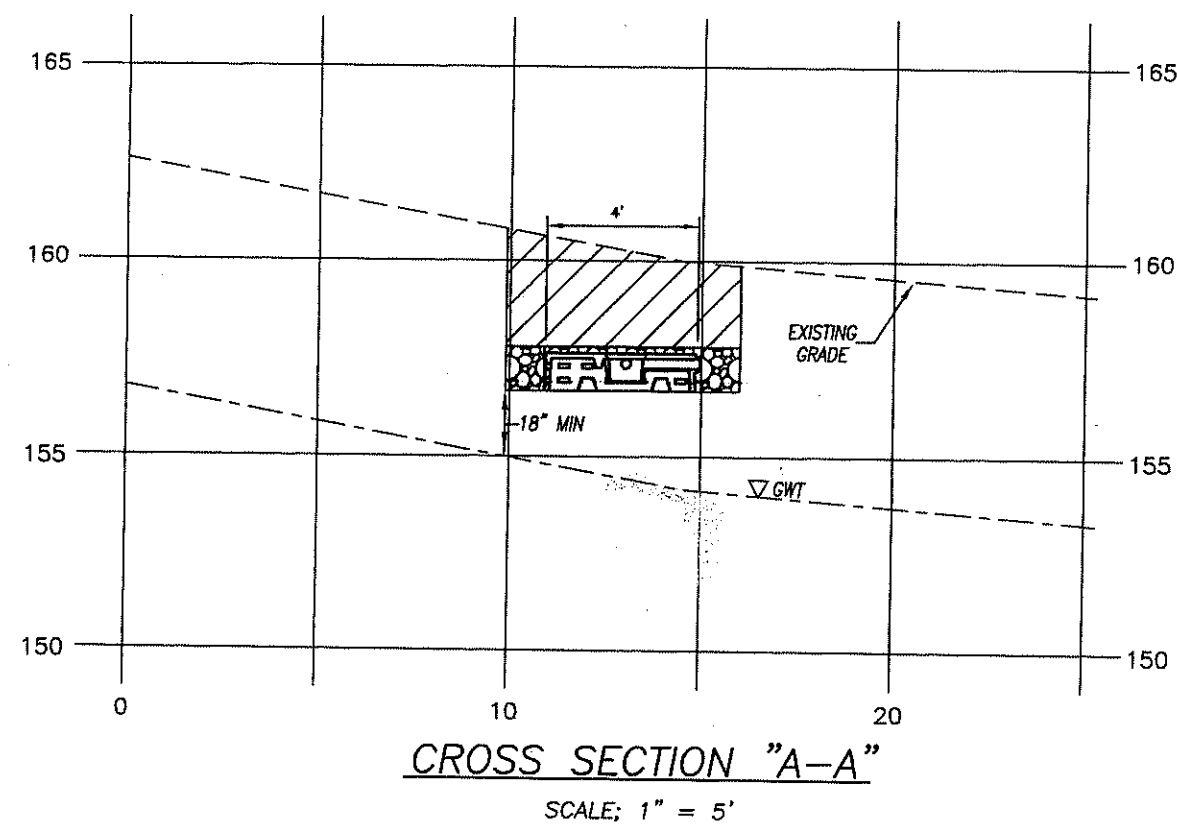
GREG A. GLAUDE, L.S. LIC. NO. 70191 DATE

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

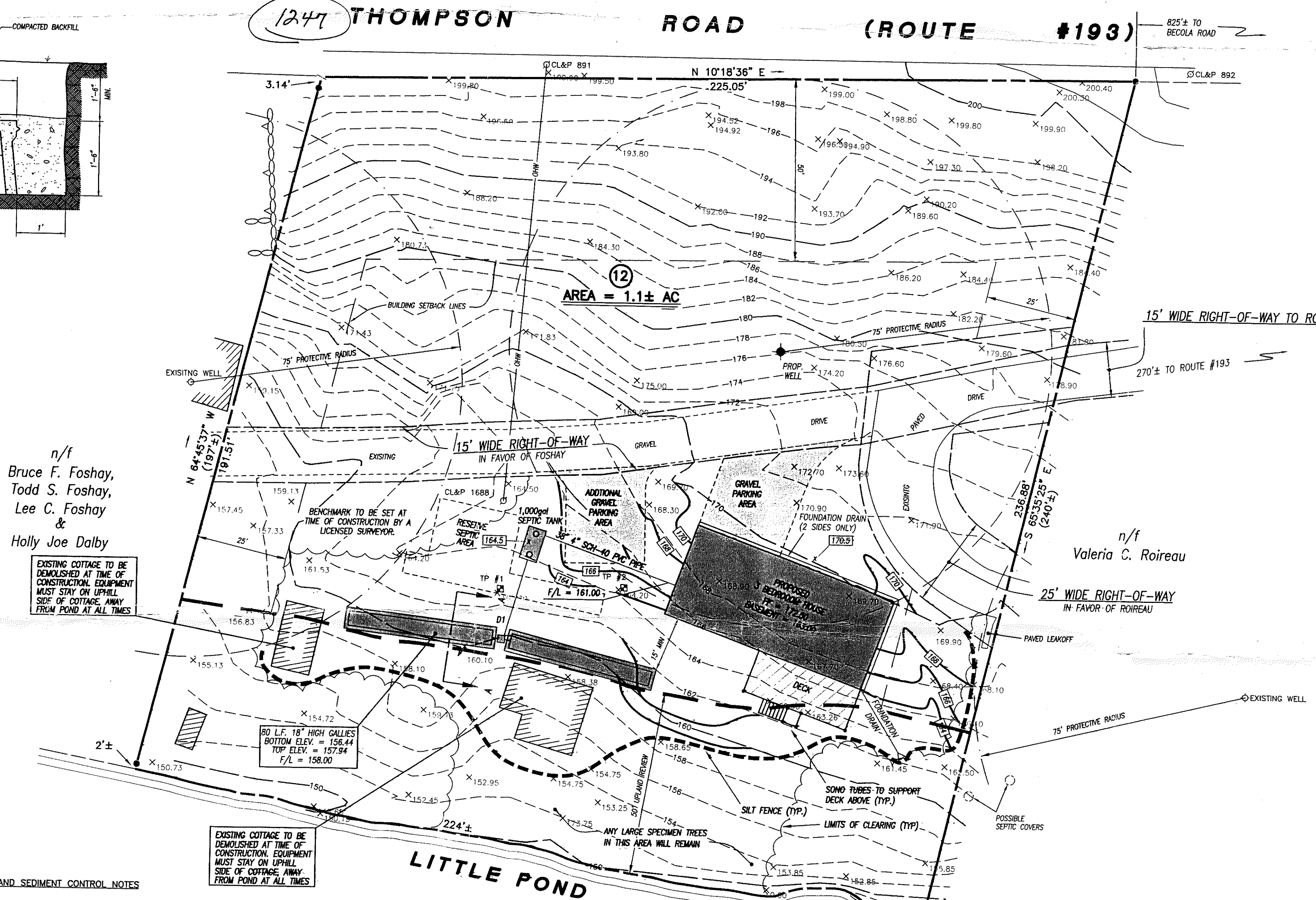
K:\15048\Drawings\SSD\Lot 11\15048 SSD Lot 11.dwg Jul 06, 2020 - 11:00 AM

Agenda Item E.a) 7. Old Applications

WAA20032, David Poplawski, 1247 Thompson Rd (Assessor's map 116, block 24, lot 12), reconstruct single family home, septic system & driveway in 100-foot upland review area, stamped received 8/3/2020, approved 10/9/2020, legal notice pending publication.



PRECAST CONCRETE 18' SHALLOW GALLEY
NOT TO SCALE



DEEP TEST HOLE EVALUATION - October 17, 2000
Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
1	0' - 3"	Organics
	3' - 25"	Grovelly Sandy Loam
	25' - 34"	Grovelly Loamy Sand
	34' - 94"	Medium to Coarse Sand
		Ledge
		GWT
		Mottling
		N/A
2	0' - 3"	Organics
	3' - 28"	Grovelly Sandy Loam
	28' - 90"	Stoney Medium to Coarse Sand
		Ledge
		GWT
		Mottling
		N/A

BASIS OF SANITARY DESIGN

Percolation Rate	= 2 min. / in.
3 bedroom house requires	= 495 s.f. effective leaching area
Effective Leaching area	= 6.2 s.f. / l.f. of trench
Length Required	= 495/6.2 = 79.8 l.f.
Length Provided	= 80 l.f.
Min. Leaching system Spread (MLSS)	= 1.5 x 14 x 1.0 = 21'
MLSS Provided	= 80'
LEACHING FIELD	
1 Row of Galleries @ 80 l.f. each	
Maximum depth into existing grade	= 42"

NOTES:

- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.
 - Survey Type: General Location Survey.
 - Topographic features conform to a Class "T-D", "V-3" vertical accuracy.
 - Boundary lines shown conform to a Class "D" horizontal accuracy and was compiled from other maps, record research or other sources of information, not to be construed as having been obtained as the result of a field survey, and subject to such change as an accurate field survey may disclose.
- Owner/Applicant: David W. Lohbusch & Sheryle R. Lohbusch
#607 Cook Hill Road
Danielson, Connecticut 06239
- Lot shown is located in Flood Hazard Zone "C" as shown on FIRM Flood Insurance Rate Map #090117 0010 B, Effective Date November 1, 1994.
- Zone: R-40
- Northeast District Department of Health file number: 01000246.
- Basis of vertical datum is assumed. Contour interval = 2'.
- Parcel is shown as Lot #12, Block #24, on Assessors Tax Map #116.
- Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455.

- MAP REFERENCE:
- "Monumented Property Survey Prepared for James E. & Edward J. Simmons - Route #193 - Thompson, Connecticut - Dated November 2000 - Scale: 1" = 20' - Prepared by Normandin & Associates"

CONSTRUCTION NOTES

- The building and septic system shall be accurately staked in the field prior to construction by a licensed Land Surveyor in the State of Connecticut.
- Topsoil shall be removed and the area of primary leaching field scarified. The foundation of the cottage to be removed down gradient of the leaching galley must be removed. Replacement material shall meet the gradation requirements noted below. Replacement material shall be approved by the engineer or the geotechnical prior to placement. It shall be compacted in six-inch lifts and shall extend a minimum of fifteen feet (15') beyond the galley.

Septic System Fill Gradation Requirements

Coarse Fraction (less than 3" and greater than No. 4 sieve): 45% Max.	Sieve	Percent Passing
Fine Fraction:	No. 4	100
	No. 10	70-100
	No. 40	10-50
	No. 100	0-20
	No. 200	0-5

- All precast structures such as septic tanks, distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans. Solid distribution pipe shall be 4" diameter PVC meeting ASTM D-3034 SDR 35 with compression gasket joints. It shall be laid true to the lines and grades shown on the plans and in no case have a slope less than 0.125 inches per foot.
- Perforated distribution pipe shall be 4" diameter PVC meeting ASTM D-2729 or D-3350, 1500 lb. minimum crush.
- Sewer pipe from the foundation wall to the septic tank shall be certified cast iron meeting the requirements of ASTM A 74 or schedule 40 PVC meeting ASTM-1786.

EROSION AND SEDIMENT CONTROL NOTES

- Land disturbance will be kept to a minimum, reestablishment will be scheduled as soon as practical.
- Silt fence will be installed along the toe of all critical cut and fill slopes prior to excavation or construction. Properly installed haybales can be used in place of silt fence.
- All erosion and sediment control measures will be constructed in accordance with the standards and specifications of the "Erosion and Sedimentation Control Handbook".
- All control measures will be maintained in effective condition throughout the construction period.
- Additional control measures will be installed during the construction period if necessary or required.
- Sediment removed from control structures will be disposed of in a manner which is consistent with the intent of the plans.
- All non-salvageable limbs, tree tops, etc. shall be chipped and stored for mulching purposes. Overall slope areas that have been fine graded shall be loaned with a minimum of 4" of topsoil and stabilized with conservation mix. Prior to seeding period, areas of set grade shall be mulched to prevent erosion.
- Existing gravel drive to be regarded in such a manner as to promote sheet run-off, and not concentrate run-off in specific areas.

LEGEND

- IRON PIN FOUND
- UTILITY POLE
- RETAINING WALL
- OVERHEAD WIRE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROP. SPOT ELEVATION
- DEEP TEST PIT LOCATION
- PERCOLATION TEST LOCATION
- SILT FENCE

KWP associates
BRUCE D. WOODS, P.E. #10600
TERENCE P. CHAMBERS, P.E. #10567
DATE: 10/13/03
NOT VALID UNLESS SEAL IS APPLIED HERETO

To my knowledge and belief, this map is substantially correct as noted herein.
BRUCE D. WOODS 10/13/2003
BRUCE D. WOODS, Conn. L.S. #13646

Septic System Design
Prepared For
DAVID W. LOHBUSCH
&
SHERYLE R. LOHBUSCH
THOMPSON ROAD (ROUTE #193)
THOMPSON, CONNECTICUT

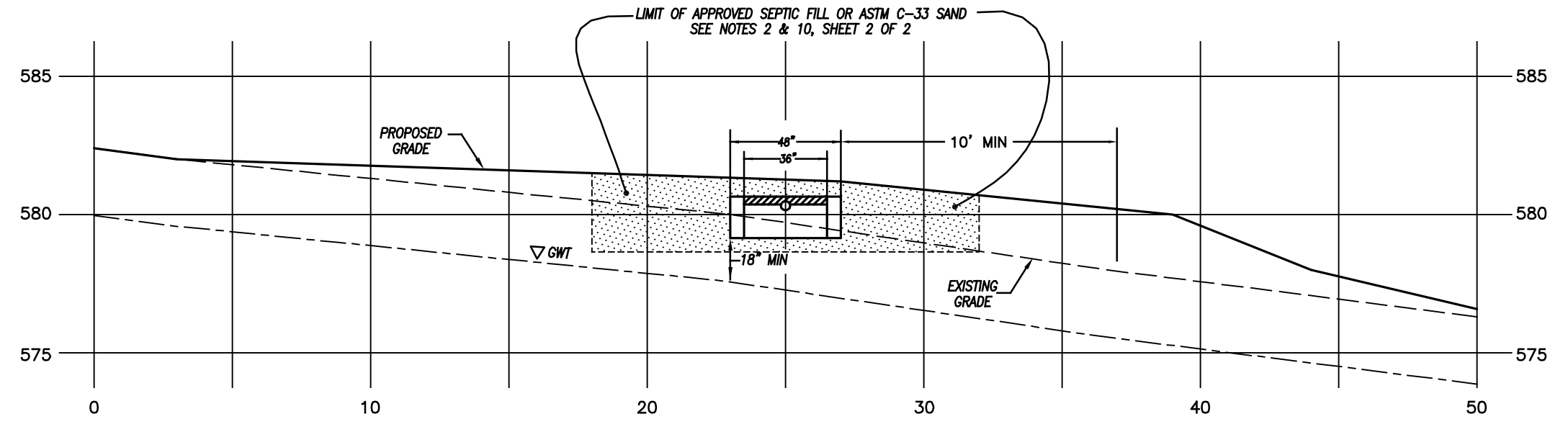
KWP associates
SURVEYING ~ ENGINEERING ~ SITE PLANNING
250 Killingly Road
Pomfret Center, Ct. 06259-0106

Received
AUG 03 2000
Thompson Wetlands Office

SCALE: 1" = 20'
DATE: 9/30/2003
SHEET: 1 OF 1
PROJ: 03057
Dwn: JES Chk:

Agenda Item E.a) 8. 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, under review
pending additional information.



TEST HOLE DATA - March 12, 2020
Northeast District Department of Health

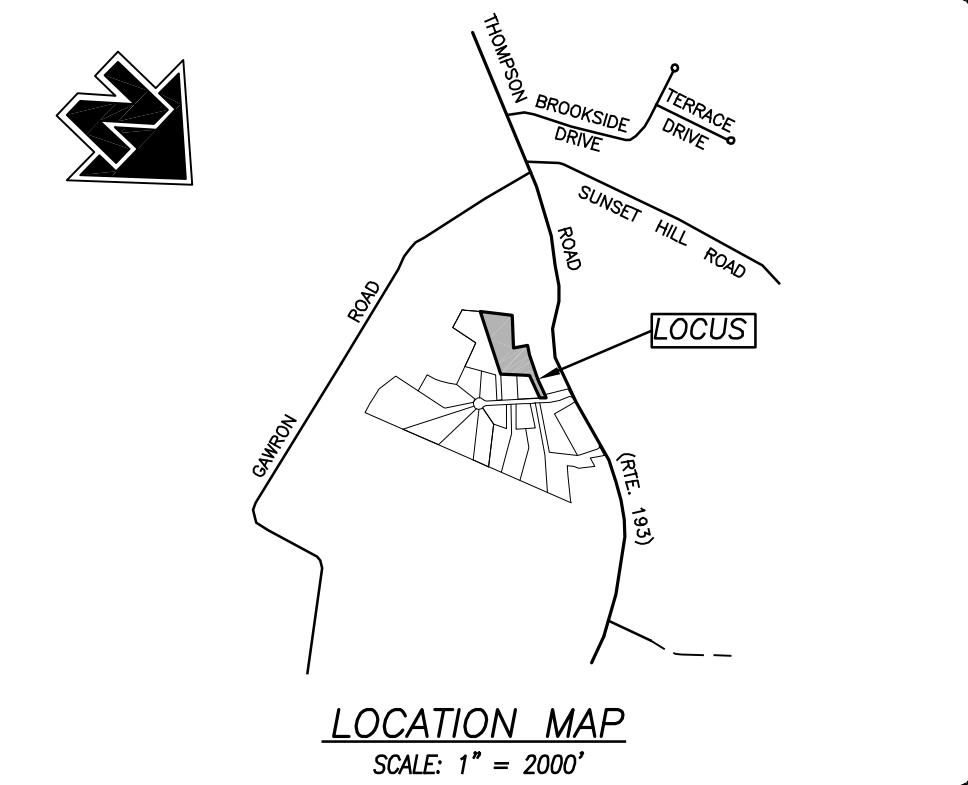
TEST PIT	DEPTH	PROFILE
18-1	0" - 9" 9" - 29" 29" - 86" 86" - 88"	Topsoil OB Fine Sandy Loam GR Sandy Pan Mottled Groundwater Ledge N/A
18-2	0" - 9" 9" - 30" 30" - 67" 67" - 74" 74" - 86" 86" - 88" 88" - 89" 89" - 90"	Topsoil OB Fine Sandy Loam GR Hardpan Mottled Groundwater Ledge N/A GWT Mottling Roots

DEEP TEST HOLE EVALUATION - December 9, 1988
Northeast District Department of Health

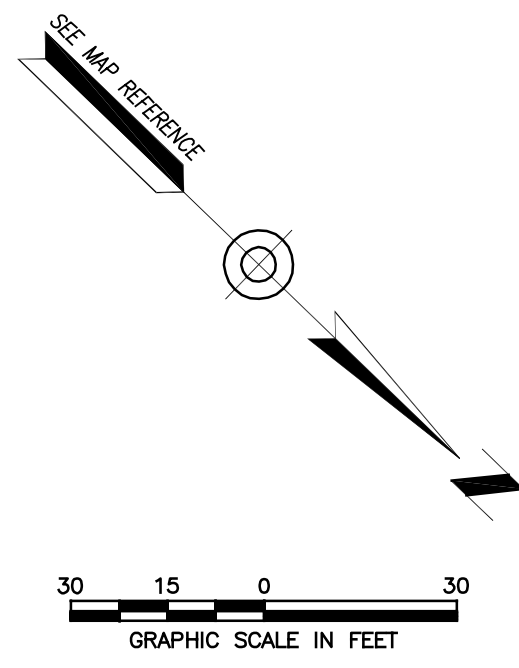
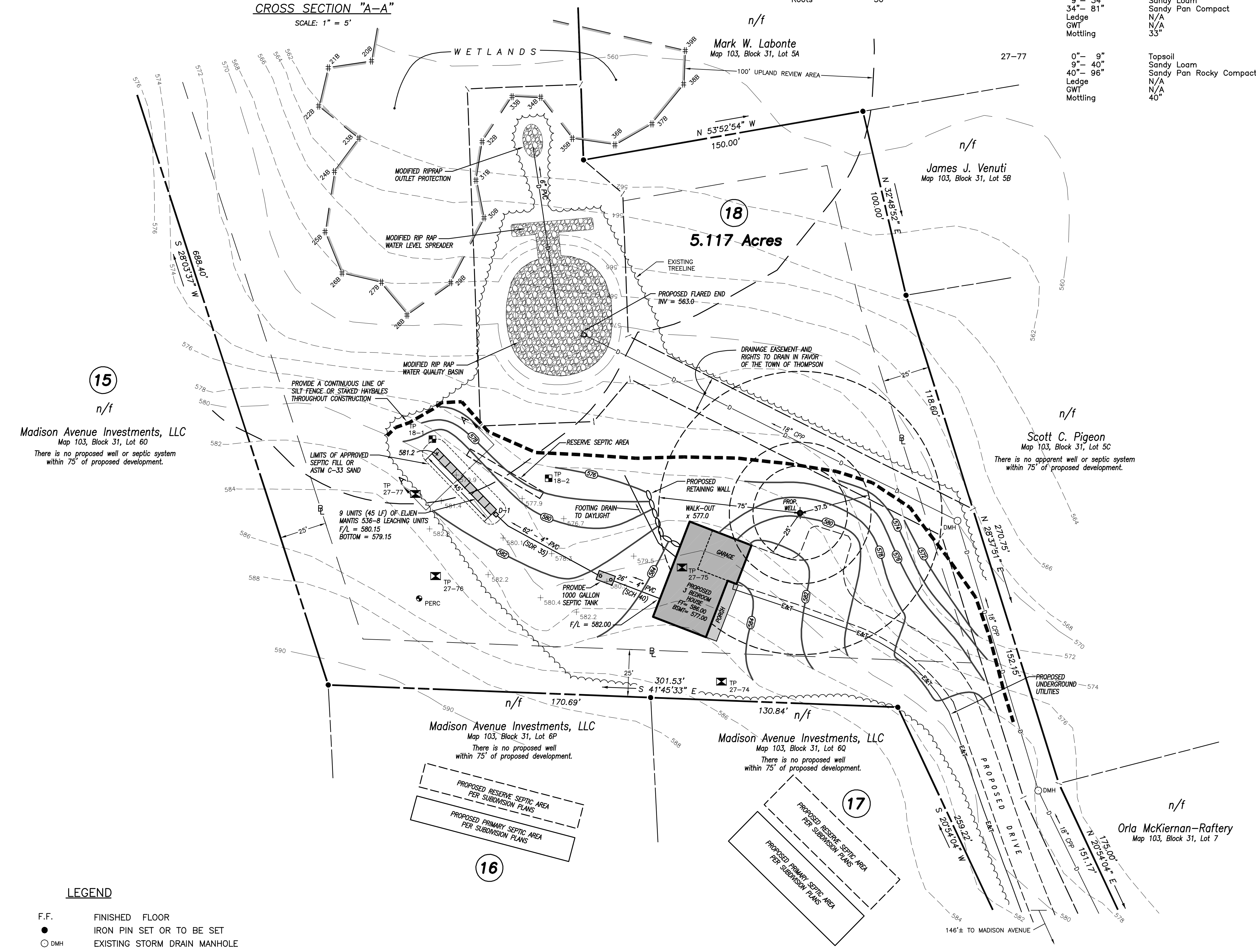
TEST PIT	DEPTH	PROFILE
27-74	0" - 6" 6" - 26" 26" - 84"	Topsoil Sandy Loam Rocky Compact Sandy Loam Rocky N/A 72" GWT Mottling
27-75	0" - 6" 6" - 29" 29" - 88"	Topsoil Sandy Loam rocky Sandy Pan Rocky Compact Ledge GWT Mottling
27-76	0" - 9" 9" - 34" 34" - 81"	Topsoil Sandy Loam Sandy Pan Compact Ledge GWT Mottling
27-77	0" - 9" 9" - 40" 40" - 96"	Topsoil Sandy Loam Sandy Pan Rocky Compact Ledge GWT Mottling

SEPTIC SYSTEM DESIGN DATA

Percolation Rate = 7.1 min. / in.
3 bedroom house requires = 495 s.f. effective leaching area
Effective Leaching area = 11 s.f. / l.f. of trench
Length Required = 495/11 = 45 l.f.
Length Provided = 9 Units at 5 l.f. ea. = 45 l.f.
Min. Leaching System Spread (MLSS) = 30 x 1.5 x 1.0 = 45.0'
MLSS Provided = 45'
LEACHING FIELD
9 Units @ 5 l.f. each (45 l.f.) Eljen Mantis 536-8 Leaching Units
Maximum depth into existing grade = 11"



NOTE: SEPTIC SYSTEMS AND WELLS SHALL BE LOCATED A MINIMUM OF 37.5' FROM PROPERTY LINES PER ARTICLE IV, SECTION 2.R OF THE THOMPSON SUBDIVISION REGULATIONS



SURVEYOR SHALL SET A BENCH MARK IN THE AREA OF THE SEPTIC SYSTEM AT THE TIME OF CONSTRUCTION STAKE-OUT.

SEPTIC TANK	
1000 GALLON	TWO COMPARTMENT
F/L IN = 581.25	F/L OUT = 581.00
DISTRIBUTION BOXES	
D-1 (STANDARD)	F/L IN = 580.32
	F/L OUT = 580.15

- NOTES:
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996; This map was prepared from record research, other maps, limited field measurements and other sources, it is not to be construed as a Property/Boundary or Limited Property/Boundary Survey and is subject to such facts as said surveys may disclose.
 - This survey conforms to a Class "C" horizontal accuracy.
 - Topographic features conform to a Class "T-2", "V-2" vertical accuracy.
 - Survey Type: General Location Survey.
 - Zone = R-40.
 - Owner of record: Madison Avenue Investments, LLC
89 Wauregan Road
Brooklyn, CT 06234
 - Parcel is shown as Lot #6R, Block #31 on Assessors Map #103.
 - Elevations shown are based on National Geodetic Vertical Datum of 1929 (NGVD 29). Contours shown are taken from map reference and supplemented with actual field survey. Contour interval = 2'.
 - Test Pit data taken from map reference and Northeast District Department of Health file number: 02001818.
 - Wetlands shown were taken from map reference.
 - Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455 or 811.

MAP REFERENCE:
"Subdivision Map - Prepared for - Meehan Builders, Inc. Thompson Road (Rte. 193) - Thompson, Connecticut - Scale: 1" = 100' - Date: 4/13/2004 - Revised to: 6/15/2011 - Sheet 2 of 11 - Prepared by: Killing Engineering Associates." On file in the Thompson Land Records.

DATE	DESCRIPTION

GENERAL LOCATION SURVEY
SEPTIC SYSTEM DESIGN PLAN - LOT 18
PREPARED FOR
MADISON AVENUE INVESTMENTS, LLC
MADISON AVENUE
THOMPSON, CONNECTICUT

Killing Engineering Associates
Civil Engineering & Surveying
114 Westcott Road
P.O. Box 421
Killingly, Connecticut 06241
(860) 779-7299
www.killingengineering.com

DATE: 8/04/2020	DRAWN: AMR
SCALE: 1" = 30'	DESIGN: NET
SHEET: 1 OF 2	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 15048

LEGEND

F.F.	FINISHED FLOOR
●	IRON PIN SET OR TO BE SET
○ DMH	EXISTING STORM DRAIN MANHOLE
○	PERCOLATION TEST HOLE
□	TEST HOLE
- - - 100 - - -	EXISTING CONTOURS
- - - 100 - - -	PROPOSED CONTOURS
#	INLAND WETLANDS FLAG
—	BUILDING SETBACK LINE
—	STORM DRAIN
—	SILT FENCE

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

GREG A. GLAUDE, L.S. LIC. NO. 70191 DATE
NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

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

Agenda Item E.b) 1.New Applications

WAA20038, Joseph Kelly, 0 Lowell Davis Rd. (Assessor's map 120, block 30, lot 3A), grading and well in 100-foot upland review area for a new single family home, stamped received 10/5/2020, pending approval.

TEST PIT RESULTS

OBSERVED BY: SHERRY MCGANN
DATE: AUGUST 27, 2020

PIT NO. 1
0 - 10" TOPSOIL, ROOTS
10 - 24" FINE SANDY LOAM W/ GRAVEL
24 - 102" GRAVELLY/COBBLY LOAMY FINE SAND W/STONES
MOTTLING: 37"
RESTRICTIVE: NA
LEDGE: N/A
WATER: N/A

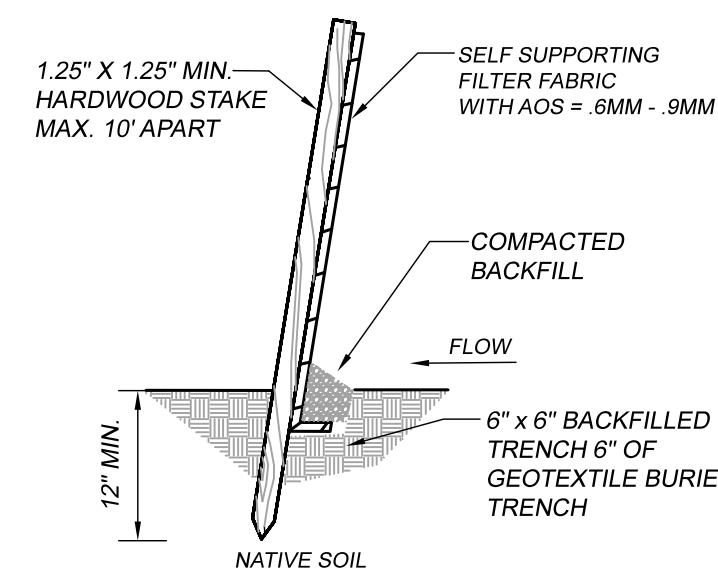
PERC. TEST RESULTS

OBSERVED BY: SHERRY MCGANN
DATE: AUGUST 27, 2020

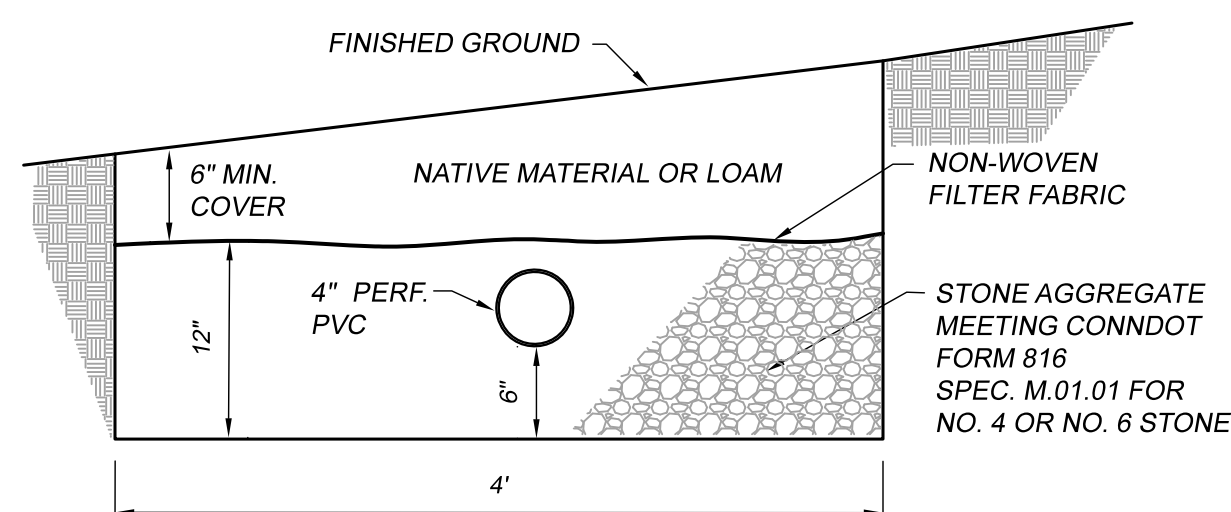
HOLE A
TIME READING
10:55 2-1/4"
11:05 3-3/4"
11:15 5-1/2"
11:25 7-1/4"
11:35 8-3/4"
DEPTH: 34"
RATE: 6.67 MIN/IN

PIT NO. 2

0 - 15" TOPSOIL
15 - 33" OB FINE SANDY LOAM W/ GRAVEL
33 - 114" GRAVELLY LOAMY FINE SAND W/ COBBLES/STONES
MOTTLING: 38"
RESTRICTIVE: NA
LEDGE: N/A
WATER: N/A



SILT FENCE INSTALLATION
NOT TO SCALE



LEACHING TRENCH DETAIL
N.T.S.

SURVEY NOTES

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

SURVEY TYPE: GENERAL LOCATION

PURPOSE: SITE PLAN

BOUNDARY DETERMINATION CATEGORY: N/A

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

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

THIS MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES. IT IS NOT TO BE CONSTRUED AS A PROPERTY/BOUNDARY OR LIMITED PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE.

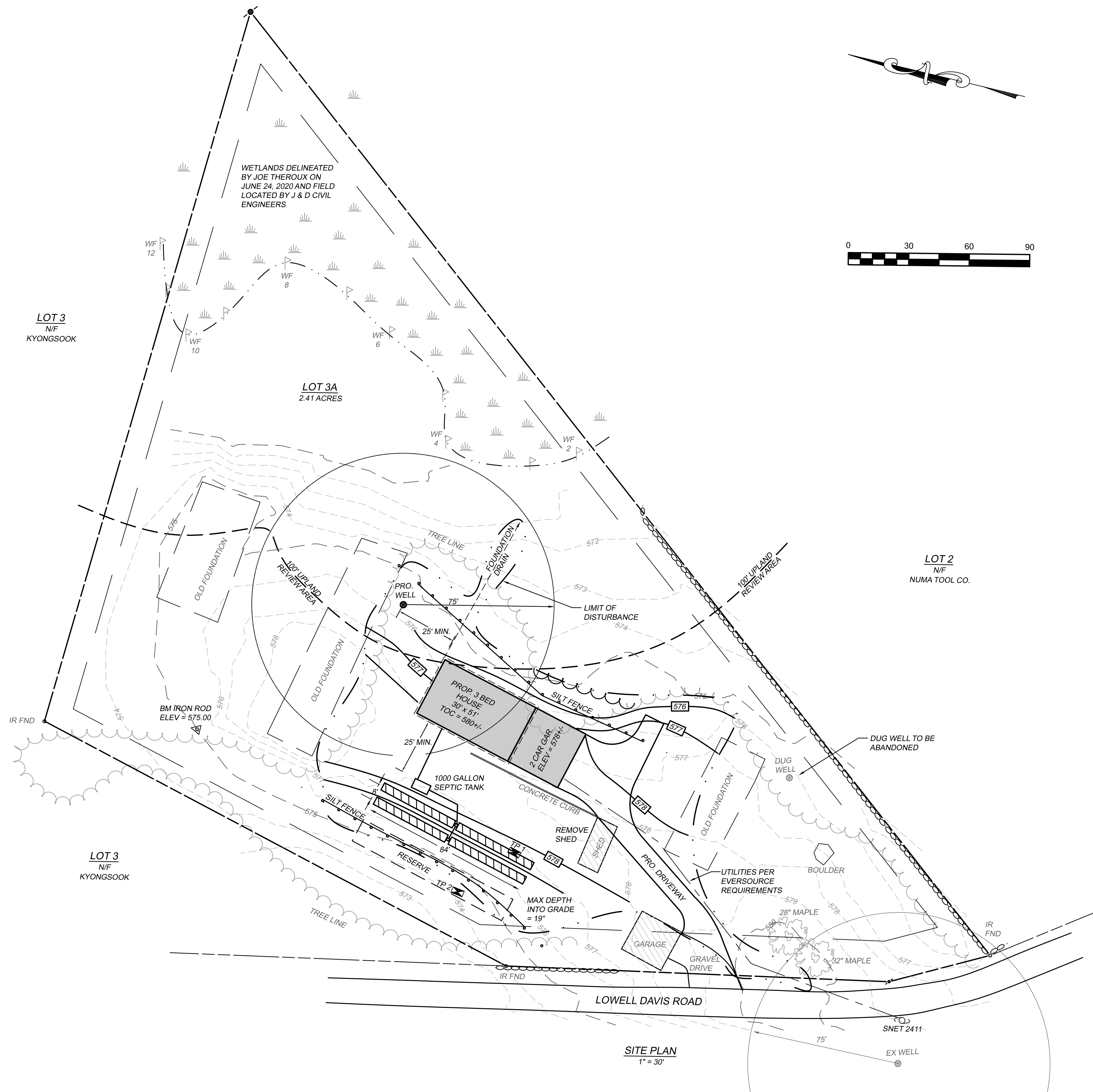
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE 12107 LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
© 2020 J&D CIVIL ENGINEERS, LLC

ZONING INFORMATION:

ZONE - BUSINESS DEVELOPMENT DISTRICT
MINIMUM FRONTAGE 150'
MINIMUM FRONT YARD 40'
MINIMUM SIDE YARD 20'
MINIMUM REAR YARD 20'



SEPTIC SYSTEM DESIGN CRITERIA - NON ENGINEERED SYSTEM

NUMBER OF BEDROOMS: 3
SEPTIC TANK: 1000 GALLON
PERC RATE: 6.67 MINS/INCH
MOTTLING: 37-38"; LEDGE: N/A; WATER: N/A; RL: N/A; SLOPE: 8.1-10%
LEACHING AREA REQUIRED: 495 SQUARE FEET
LEACHING AREA PROVIDED: 165' OF TRENCHES, 48" WIDE, = 495 SQUARE FEET
MLSS (PRIMARY) = 36' (HF=24, PF=1.0, FF=1.5)
LSS PROVIDED = 84'

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

THE BUILDING, SEPTIC SYSTEM, AND WELL SHALL BE ACCURATELY STAKED IN THE FIELD BY A LICENSED SURVEYOR OR ENGINEER PRIOR TO CONSTRUCTION.

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

SEPTIC TANK: TWO-COMPARTMENT TANK WITH OUTLET FILTER. INSTALL RISERS OVER TANK CLEANOUTS IF COVER OVER TANK EXCEEDS 1'.

DISTRIBUTION BOXES: 4 HOLE D-BOXES

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

DISTRIBUTION 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.

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

ALL SELECT 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%.

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

SELECT FILL MATERIAL SHALL EXTEND A MINIMUM OF 10' BEYOND THE LOWEST TRENCH BEFORE TAPERING OFF.

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

EROSION AND SEDIMENT CONTROL NOTES:

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

LEGEND

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

SITE DEVELOPMENT PLAN
PREPARED FOR
JOSEPH & WANDA KELLEY
0 LOWELL DAVIS ROAD - THOMPSON, CT
MAP 120 BLOCK 30 LOT 3A

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

DESIGNED: DRB
CHECKED: JJB

REVISIONS: 2020-30-9
LIMITS DISTURB, UTILS

JOB NO: 20164
SCALE: 1" = 30'

DATE: SEPT 24, 2020
SHEET: 1 OF 1

Agenda Item E.b) 2. New Applications

SUB20039, Gloria & James Fogarty, 171 Brickyard Rd. (Assessor's map 40, block 88, lot 169), 3 lot conceptual subdivision, stamped received by the Town Clerk 9/17/2020 and 10/5/2020 by the Wetlands Office.

FOGARTY LAND SUBDIVISION

KAPITULIK ROAD, THOMPSON, CONNECTICUT

DATED: SEPTEMBER 2, 2020

REVISED: SEPT 30, 2020 TO UPDATE ZONING TABLES

**OWNER AND APPLICANT
GLORIA & JAMES FOGARTY**

INDEX OF DRAWINGS

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





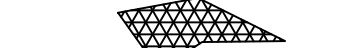
SOIL TYPES TABLE

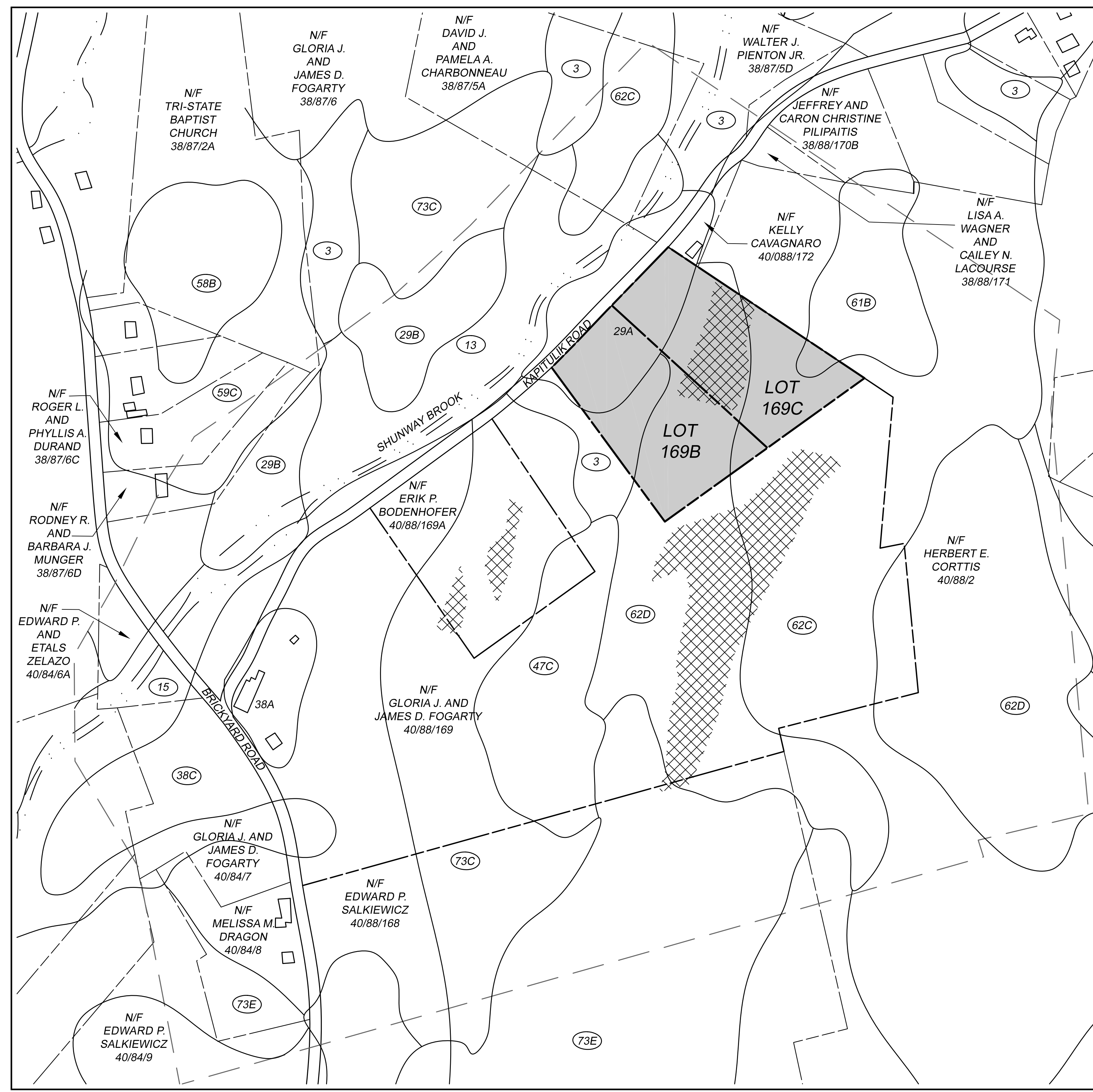
SYMBOL	NAME
3	RIDGEBURY, LEICESTER, AND WHITMAN SOILS, 0 TO 8 PERCENT SLOPES EXTREMELY STONY
13	WALPOLE SANDY LOAM, 0 TO 3 PERCENT SLOPES
15	SCARBORO MUCK, 0 TO 3 PERCENT SLOPES
29A	AGAWAM FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
29B	AGAWAM FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES
38A	HINCKLEY LOAMY SAND, 0 TO 3 PERCENT SLOPES
38C	HINCKLEY LOAMY SAND, 3 TO 15 PERCENT SLOPES
47C	WOODBIDGE FINE SANDY LOAM, 3 TO 15 PERCENT SLOPES EXTREMELY STONY
58B	GLOUCESTER GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES VERY STONY
59C	GLOUCESTER GRAVELLY SANDY LOAM, 3 TO 15 PERCENT SLOPES EXTREMELY STONY
62C	CANTON AND CHARLTON FINE SANDY LOAMS, 3 TO 15 PERCENT SLOPES EXTREMELY STONY
61B	CANTON AND CHARLTON FINE SANDY LOAMS, 0 TO 8 PERCENT SLOPES VERY STONY
62D	CANTON AND CHARLTON FINE SANDY LOAMS, 15 TO 35 PERCENT SLOPES EXTREMELY STONY
73C	CHARLTON-CHATFIELD COMPLEX, 0 TO 15 PERCENT SLOPES VERY ROCKY
73E	CHARLTON-CHATFIELD COMPLEX, 15 TO 45 PERCENT SLOPES VERY ROCKY

ZONING REQUIREMENTS RURAL RESIDENTIAL AGRICULTURAL DISTRICT

	REQUIRED	LOT 169B	LOT 169C	LOT 169
LOT AREA	40,000 SF	162,894 SF	179,244 SF	2,350,000 SF
LOT FRONTAGE	150'	220'	220'	1,500' +/-
STREET LINE SETBACK	40'	140'	85'	EXISTING
SIDE LINE SETBACK	20'	75'	60'	EXISTING
REAR LINE SETBACK	20'	> 400'	> 400'	EXISTING
NET BUILDABLE AREA	40,000 SF	> 43,000 SF	> 48,000 SF	> 2,000,000 SF
MAX IMPERVIOUS SURFACE	50%	3%	3%	< 1%

LEGEND

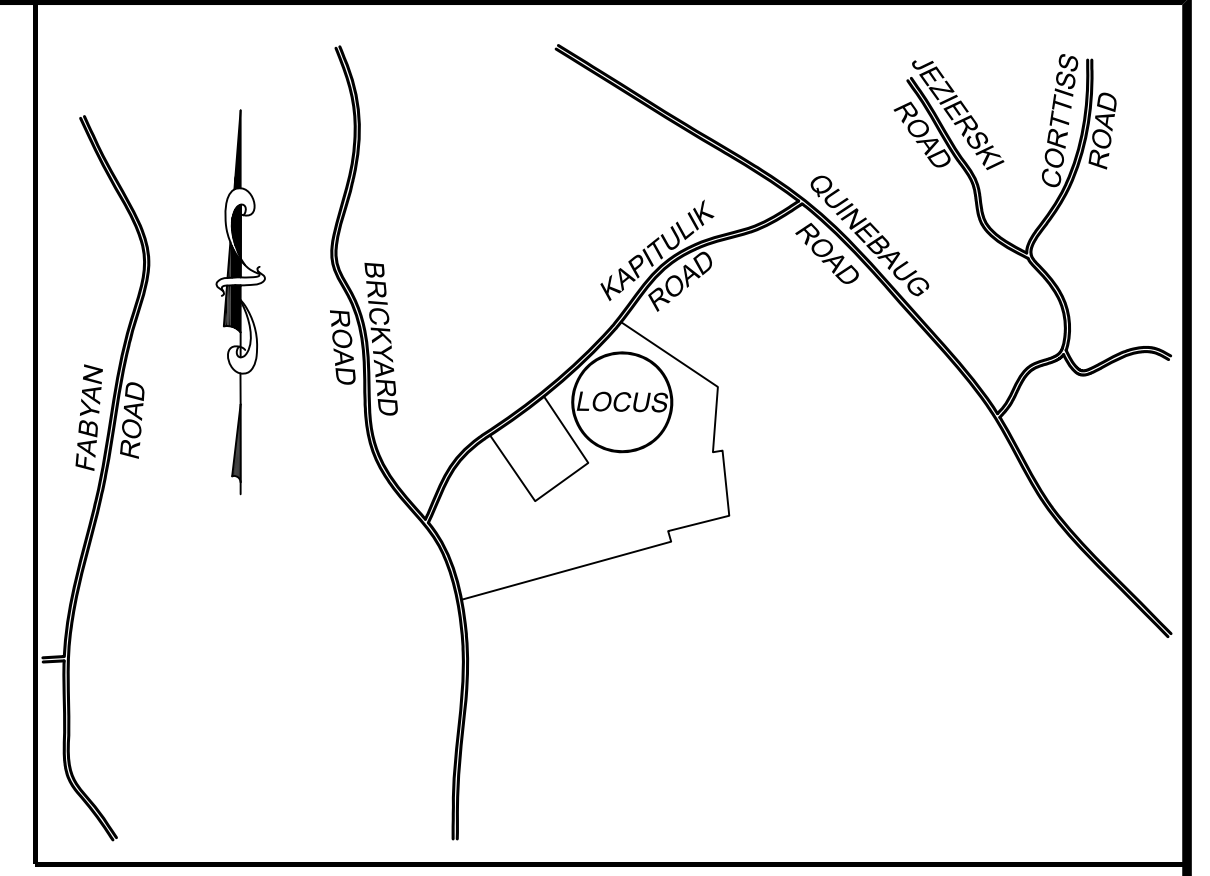
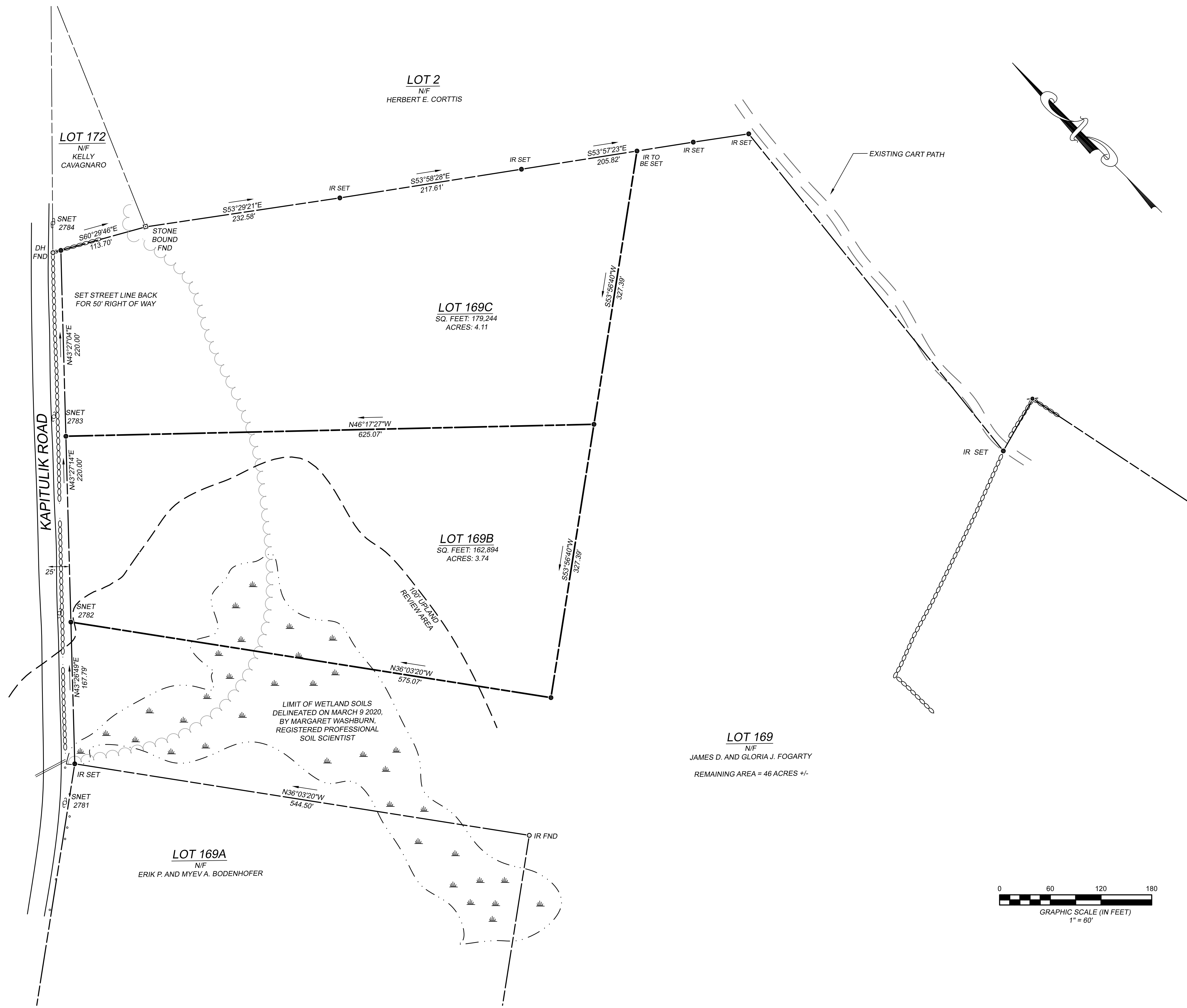
-  SOILS
-  SOIL TYPE
-  500' OFFSET
-  PROPERTY LINES
-  SLOPES > 25%



DATA COMPILATION MAP

1" = 200'

J & D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
THOMPSON, CT 06255
P: 860-923-2920
E: OFFICE@JDCIVILENGINEERS.COM



LOCATION MAP
1" = 1500'

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: BOUNDARY SURVEY
BOUNDARY DETERMINATION CATEGORY: DEPENDANT RESURVEY
HORIZONTAL ACCURACY: CLASS A2

2. REFERENCE PLANS:
(A) "PROPERTY SURVEY, 171 BRICKYARD ROAD, THOMPSON, CONNECTICUT." PREPARED FOR JAMES AND GLORIA FOGARTY. PREPARED BY REYNOLDS ENGINEERING SERVICES, LLC, DATED JULY 12, 2006. SCALE 1" = 50'. ON FILE WITH THE TOWN CLERK AS INSTRUMENT NUMBER 1541.
(B) "PLAN OF LAND OWNED BY JOSEPH J. STRZELEWICZ AND MARIE L. STRZELEWICZ, KAPITULIK ROAD, THOMPSON, CONNECTICUT." DATED MAY 1, 1968. SCALE 1" = 40'. ON FILE WITH THE TOWN CLERK AS INSTRUMENT NUMBER 527.
(C) "FARM OF MARY KAPITULIK, THOMPSON, CONN." PREPARED BY W. K. PIKE, DATED 1942. SCALE 1" = 200'. ON FILE WITH THE TOWN CLERK AS INSTRUMENT NUMBER 1386.

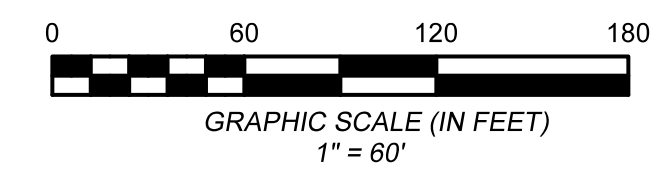
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

JOHN A BARTOLOMEI	DATE	LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
© 2020 J&D CIVIL ENGINEERS, LLC

LEGEND

●	IRON ROD TO BE SET
⊙	ANGLE POINT
○	EXISTING IRON ROD OR IRON PIPE
---	EXISTING PROPERTY LINE
---	PROPOSED PROPERTY LINE
---	BUILDING SETBACK
---	WETLAND BUFFER
⊖	STONE WALL
---	UTILITIES
---	TREELINE
---	WETLANDS



ZONING INFORMATION:

ZONE RRAD
MINIMUM LOT AREA 40,000 S.F.
MINIMUM FRONTAGE 150'
MINIMUM FRONT YARD 40'
MINIMUM SIDE YARD 20'
MINIMUM REAR YARD 20'

PROPERTY OWNER

JAMES D. AND GLORIA J. FOGARTY

REFERENCE DEED
THOMPSON LAND RECORDS
VOL. 305 PG. 47

ASSESSORS REFERENCE
MAP 40 BLOCK 88 LOT 169

FLOOD ZONE NOTE

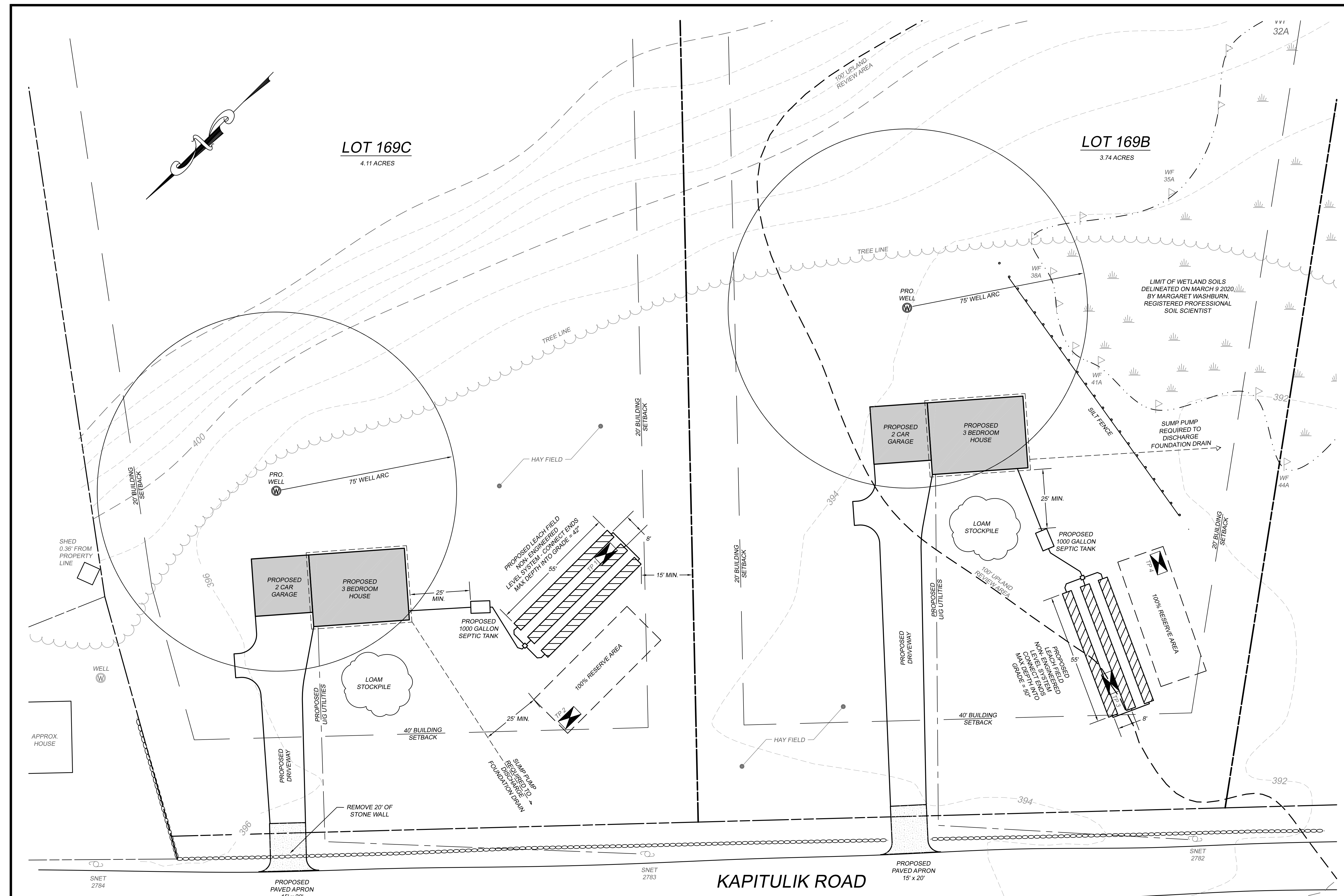
PROPERTY IS NOT WITHIN 100 YEAR FLOOD ZONE PER FIRM MAP 0901170002B DATED: NOVEMBER 1, 1984.

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

3 LOT SUBDIVISION SURVEY
PREPARED FOR
GLORIA AND JAMES FOGARTY
KAPITULIK ROAD, THOMPSON, CT
MAP 40 BLOCK 88 LOT 169

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

DESIGNED: APS CHECKED: DBB	REVISIONS:
JOB NO: 20101	DATE: SEPTEMBER 2, 2020
SCALE: 1" = 60"	SHEET: 2 OF 4



SURVEY NOTES:

- 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 MARCH 9, 2020, AND IS INTENDED TO BE USED FOR THE DESIGN OF AN ENGINEERED SEPTIC SYSTEM.
- PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.
- 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.
- REFERENCE PLANS:
 - "PROPERTY SURVEY, 171 BRICKYARD ROAD, THOMPSON, CONNECTICUT," PREPARED FOR JAMES AND GLORIA FOGARTY, PREPARED BY REYNOLDS ENGINEERING SERVICES, LLC, DATED JULY 12, 2008, SCALE 1" = 50', ON FILE WITH THE TOWN CLERK AS INSTRUMENT NUMBER 1541.
 - "PLAN OF LAND OWNED BY JOSEPH J. STRZELEWICZ AND MARIE L. STRZELEWICZ, KAPITULIK ROAD, THOMPSON, CONNECTICUT," DATED MAY 1, 1968, SCALE 1" = 40', ON FILE WITH THE TOWN CLERK AS INSTRUMENT NUMBER 527.
 - "FARM OF MARY KAPITULIK, THOMPSON, CONN," PREPARED BY W. K. PIKE, DATED 1942, SCALE 1" = 200', ON FILE WITH THE TOWN CLERK AS INSTRUMENT NUMBER 1386.

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

DENNIS R. BLANCHETTE DATE 12/07 LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE © 2020 J&D CIVIL ENGINEERS, LLC

LEGEND

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

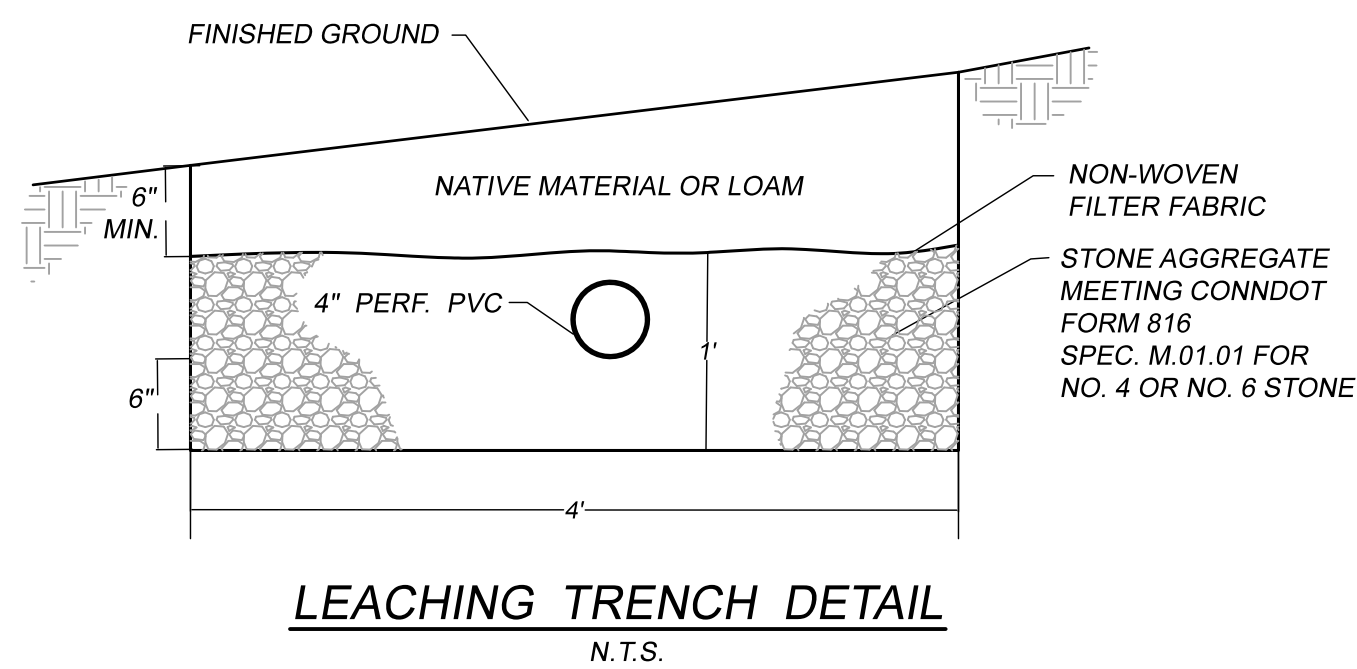
SITE DEVELOPMENT PLAN
PREPARED FOR
GLORIA AND JAMES FOGARTY
KAPITULIK ROAD, THOMPSON, CT
MAP 40 BLOCK 88 LOT 169

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

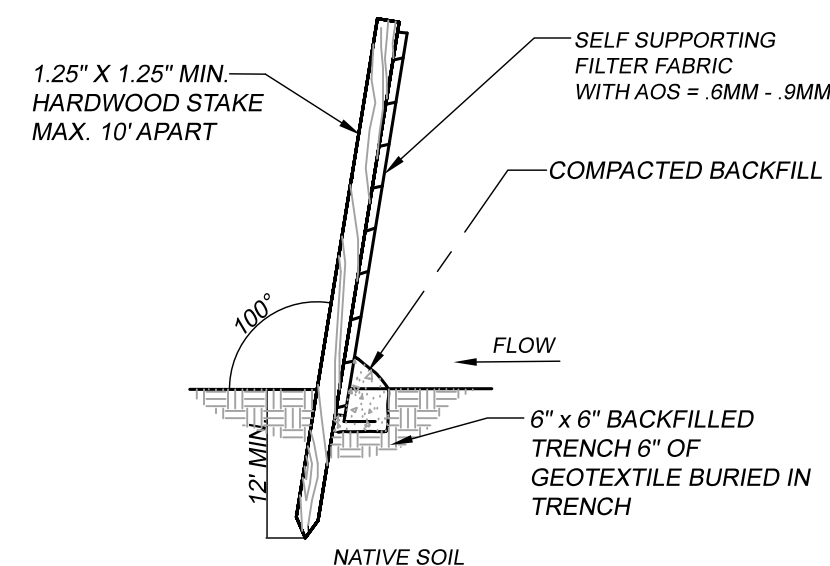
DESIGNED: DDB CHECKED: JJB	REVISIONS: 2020-09-30 BLDG SETBACKS
JOB NO: 20101	DATE: SEPTEMBER 2, 2020
SCALE: 1" = 20'	SHEET: 3 OF 4

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





LEACHING TRENCH DETAIL
N.T.S.



SILT FENCE INSTALLATION
NOT TO SCALE

TEST PIT RESULTS

OBSERVED BY: SHERRY MCGANN
DATE: AUGUST 6, 2020

PIT NO. 1

- 0 - 12" TOPSOIL
- 12 - 21" ORANGE BROWN GRAVELLY SANDY LOAM
- 21 - 92" GRAVELLY MEDIUM COARSE SAND W/ COBBLES

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

PIT NO. 2

- 0 - 10" TOPSOIL
- 10 - 20" ORANGE BROWN GRAVELLY SANDY LOAM
- 20 - 90" GRAVELLY COBBLY MEDIUM COARSE SAND W/ STONES

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

PIT NO. 3

- 0 - 12" TOPSOIL
- 12 - 23" GRAVELLY ORANGE BROWN SANDY LOAM
- 23 - 101" GRAVELLY COBBLY MEDIUM COARSE SAND W/ STONES

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

PIT NO. 4

- 0 - 11" TOPSOIL
- 11 - 22" ORANGE BROWN GRAVELLY SANDY LOAM
- 22 - 98" GRAVELLY COBBLY MEDIUM COARSE SAND W/ STONES

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

PERC. TEST RESULTS

OBSERVED BY: SHERRY MCGANN
DATE: AUGUST 6, 2020

HOLE A - NEAR TP 1

TIME	READING
11:00	4.50
11:03	9.50
11:06	13.50
11:09	14.75
11:12	15.75
11:15	17.25
11:18	18.25
11:21	19.25
11:23	20.25
11:26	21.00 DRY

DEPTH: 23"
RATE: 4.0 MIN/IN

HOLE B - NEAR TP 3

TIME	READING
10:22	6.25
10:25	13.50
10:28	16.00
10:31	17.75
10:34	18.75
10:38	19.75
10:41	21.50
10:44	22.25 DRY

DEPTH: 23"
RATE: 4.0 MIN/IN

SEPTIC SYSTEM DESIGN CRITERIA - LOT 169B

ENGINEERED PLAN NOT REQUIRED

USE TEST PITS 3 AND 4, PERC HOLE B

PERC RATE: 4 MINS/INCH

NUMBER OF BEDROOMS: 3

SEPTIC TANK: 1000 GALLON

LEACHING AREA REQUIRED: 475 SF

LEACHING AREA PROVIDED: (3) 55' TRENCHES AT 3 SF/LF = 495 SF

MOTTLING: N/A, LEDGE: N/A, WATER: N/A, SLOPE: 1%

MLSS (PRIMARY) = N/A

LSS PROVIDED = 55'

SPECIFICATIONS

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

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

DISTRIBUTION BOXES: JOLLEY OR EQUAL 4 HOLE D-BOXES

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

DISTRIBUTION 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.

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

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

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

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

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

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

EROSION AND SEDIMENT CONTROL NOTES:

1. THE PROPOSED ACTIVITY ON THE SITE WILL CONSIST OF THE CONSTRUCTION OF TWO SINGLE FAMILY HOUSES, INCLUDING WELLS, SEPTIC SYSTEMS, AND DRIVEWAYS.
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.

SEPTIC SYSTEM DESIGN CRITERIA - LOT 169C

ENGINEERED PLAN NOT REQUIRED

USE TEST PITS 1 AND 2, PERC HOLE A

PERC RATE: 4 MINS/INCH

NUMBER OF BEDROOMS: 3

SEPTIC TANK: 1000 GALLON

LEACHING AREA REQUIRED: 475 SF

LEACHING AREA PROVIDED: (3) 55' TRENCHES AT 3 SF/LF = 495 SF

MOTTLING: N/A, LEDGE: N/A, WATER: N/A, SLOPE: 1%

MLSS (PRIMARY) = N/A

LSS PROVIDED = 55'

SPECIFICATIONS

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

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

DISTRIBUTION BOXES: JOLLEY OR EQUAL 4 HOLE D-BOXES

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

DISTRIBUTION 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.

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

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

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

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

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

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

NOTES AND DETAILS
PREPARED FOR
GLORIA AND JAMES FOGARTY
KAPITULIK ROAD, THOMPSON, CT
MAP 40 BLOCK 88 LOT 169

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
560-923-2920

DESIGNED: DDB
CHECKED: JJB
REVISIONS:
JOB NO: 20101
SCALE: AS NOTED
DATE: SEPTEMBER 2, 2020
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

Agenda Item E.b) 3. New Applications

WAA20040, Laura Hauser, 31 Center St. (Assessor's map 116, block 30, lot 3A), 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, under review

TEST PIT RESULTS

OBSERVED BY: SHERRY MCGANN
DATE: AUGUST 28, 2020

PIT NO. 1
0 - 6" TOPSOIL
6 - 34" YB COBBLY LOAMY SAND
34 - 107" COBBLY MEDIUM COARSE SAND & GRAVEL W/ STONES
MOTTLING: N/A
RESTRICTIVE: N/A
LEDGE: N/A
WATER: N/A
ROOTS: 38"

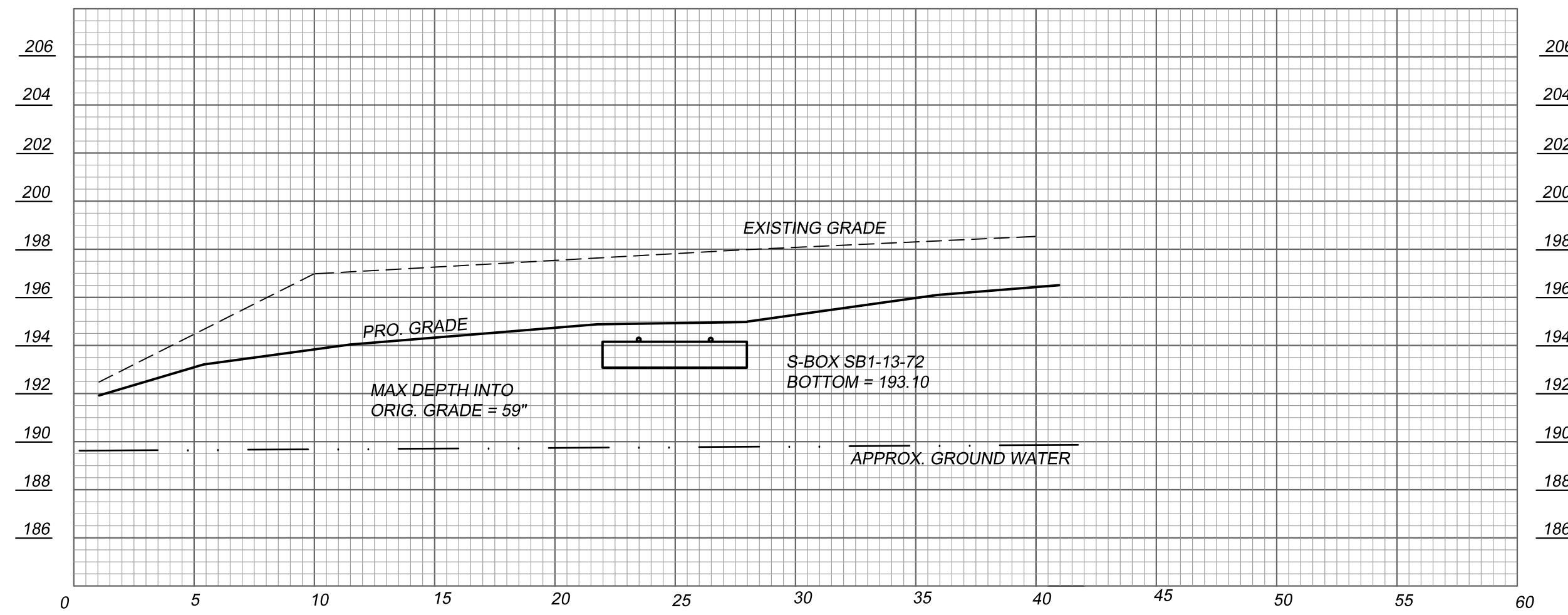
PIT NO. 2
0 - 10" TOPSOIL
10 - 41" YB COBBLY LOAMY SAND
41 - 102" COBBLY MEDIUM COARSE SAND & GRAVEL W/ STONES
MOTTLING: N/A
RESTRICTIVE: N/A
LEDGE: N/A
WATER: N/A
ROOTS: 45"

PERC. TEST RESULTS

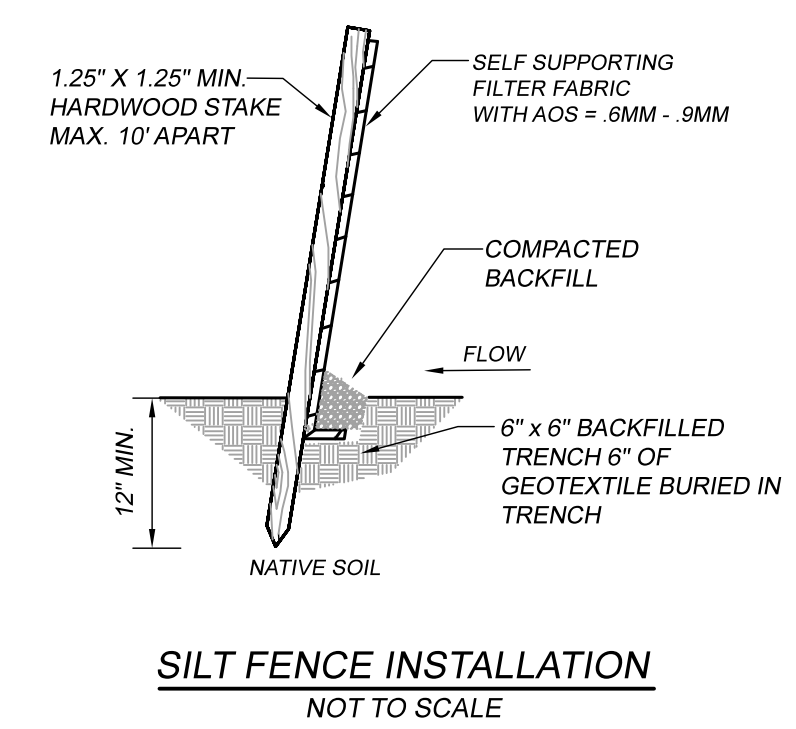
OBSERVED BY: SHERRY MCGANN
DATE: SEPTEMBER 3, 2020

HOLE A - NEAR TP 1
TIME READING
11:46 6.00
11:48 10.50
11:50 14.25
11:52 17.75
11:54 20.00
11:56 21.75
11:58 22.75
12:00 23.75
12:02 24.50 DRY

DEPTH: 27"
RATE: 2.7 MINUTES PER INCH



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



SILT FENCE INSTALLATION
NOT TO SCALE

SEPTIC SYSTEM DESIGN CRITERIA

NUMBER OF BEDROOMS: 2
SEPTIC TANK: 1000 GALLON
PERC RATE: 2.7 MINS/INCH
MOTTLING: N/A; LEDGE: N/A; WATER: N/A; RESTRICTIVE: N/A; SLOPE: 22%
LEACHING AREA REQUIRED: 375 SQUARE FEET
LEACHING AREA PROVIDED: (2) 50" AND (1) 60" S-BOX 13-72 UNITS AT 28.5 SF/LF = 380 SQUARE FEET (NOTE: MANUFACTURER WILL MAKE CUSTOM LENGTHS FOR CT)
MLSS (PRIMARY) = N/A
LSS PROVIDED = 13.3'

SPECIFICATIONS

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

THE BUILDING, SEPTIC SYSTEM, AND WELL SHALL BE ACCURATELY STAKED IN THE FIELD BY A LICENSED SURVEYOR OR ENGINEER PRIOR TO CONSTRUCTION.

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

SEPTIC TANK: TWO-COMPARTMENT TANK WITH OUTLET FILTER. INSTALL RISERS OVER TANK CLEANOUTS IF COVER OVER TANK EXCEEDS 1'.

DISTRIBUTION BOXES: 4 HOLE D-BOXES

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

DISTRIBUTION SYSTEM: S-BOX SB1-13-72 BY GEOMATRIX SYSTEMS LLC.

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

BOTTOM OF TRENCHES TO BE LEVEL.

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

ALL SELECT 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 #100 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%.

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

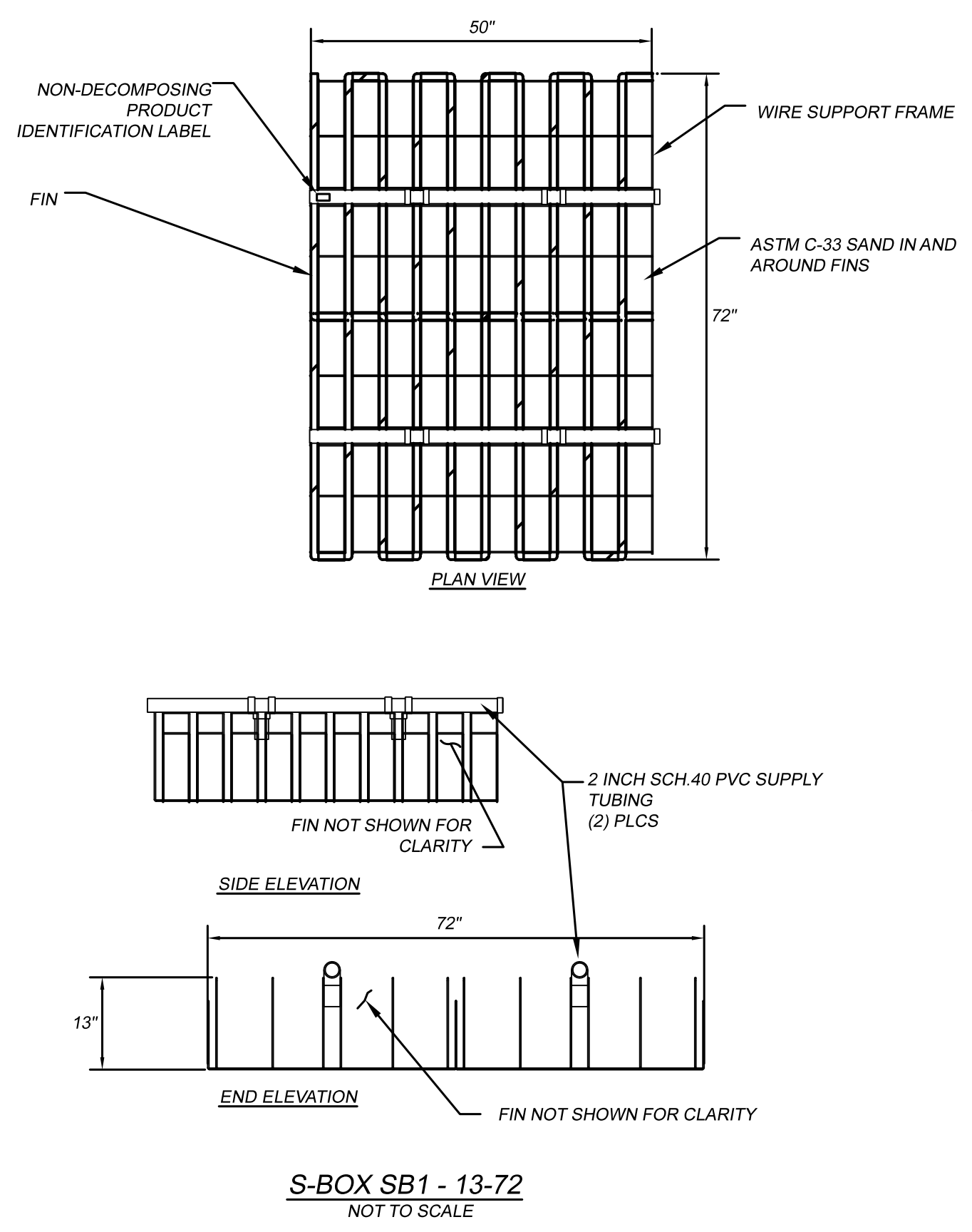
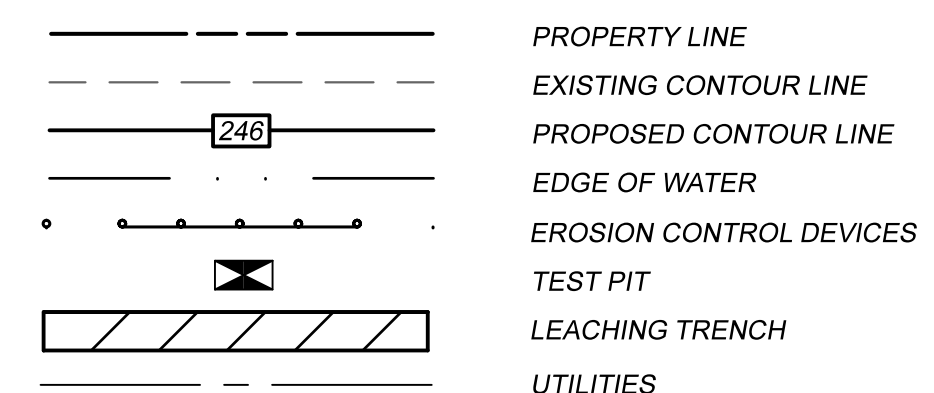
SELECT FILL MATERIAL SHALL EXTEND A MINIMUM OF 10' BEYOND THE LOWEST TRENCH BEFORE TAPERING OFF.

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

EROSION AND SEDIMENT CONTROL NOTES:

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

LEGEND



S-BOX SB1 - 13-72
NOT TO SCALE

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 JUNE 26, 2020, 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.

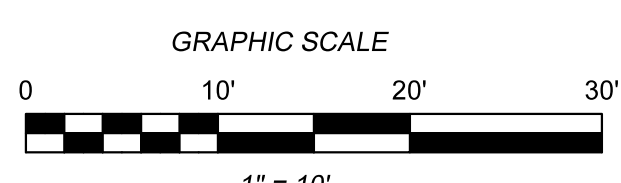
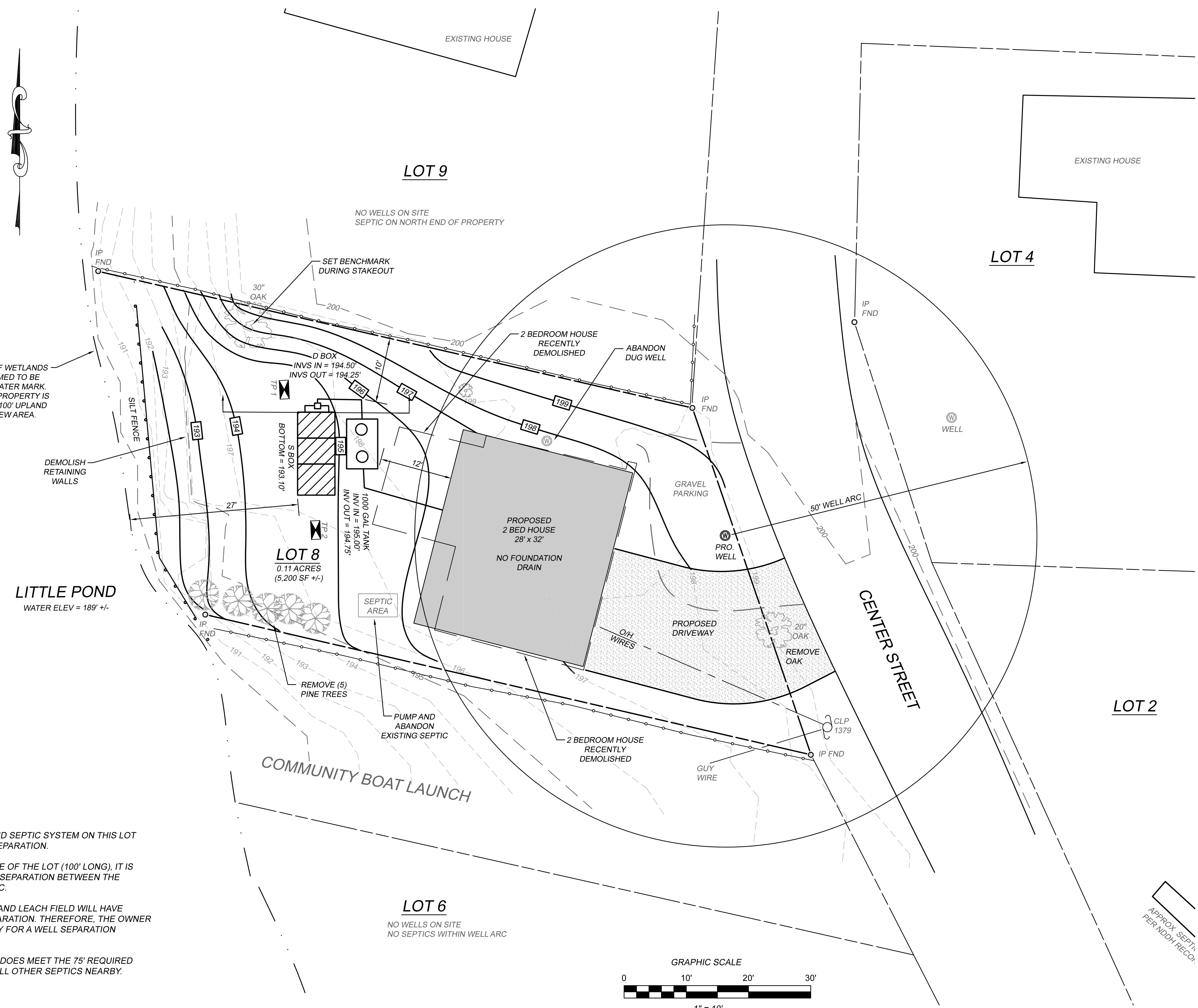
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE 12/10/20 LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE © 2020 J&D CIVIL ENGINEERS, LLC

WELL NOTES:

1. THE EXISTING WELL AND SEPTIC SYSTEM ON THIS LOT HAVE APPROXIMATELY 35' SEPARATION.
2. DUE TO THE SMALL SIZE OF THE LOT (100' LONG), IT IS IMPOSSIBLE TO ACHIEVE 75' SEPARATION BETWEEN THE PROPOSED WELL AND SEPTIC.
3. THE PROPOSED WELL AND LEACH FIELD WILL HAVE APPROXIMATELY 60' OF SEPARATION. THEREFORE, THE OWNER WILL BE REQUIRED TO APPLY FOR A WELL SEPARATION DISTANCE EXCEPTION.
4. THE PROPOSED WELL DOES MEET THE 75' REQUIRED SEPARATION DISTANCE TO ALL OTHER SEPTICS NEARBY.



SITE DEVELOPMENT PLAN
PREPARED FOR
LAURA HAUSER
31 CENTER STREET - THOMPSON, CT
MAP 116 LOTS

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

DESIGNED: **DDB**
CHECKED: **DRB**

REVISIONS:

JOB NO: **20183**
SCALE: **1" = 10'**

DATE: **SEPTEMBER 15, 2020**
SHEET: **1 OF 1**

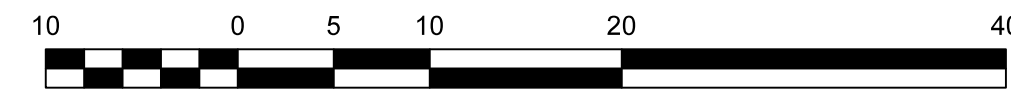
Agenda Item E.b) 4. New Applications

IWA20041, Jerry T. Mileno, 523 & 521 Brandy Hill Rd. (Assessor's map 143, block 17, lots 4 & 3), demolish and reconstruct retaining walls, reconstruction of a single family home in 100-foot upland review area for Little Pond, stamped received 10/7/2020, revised plans received 10/9/2020.



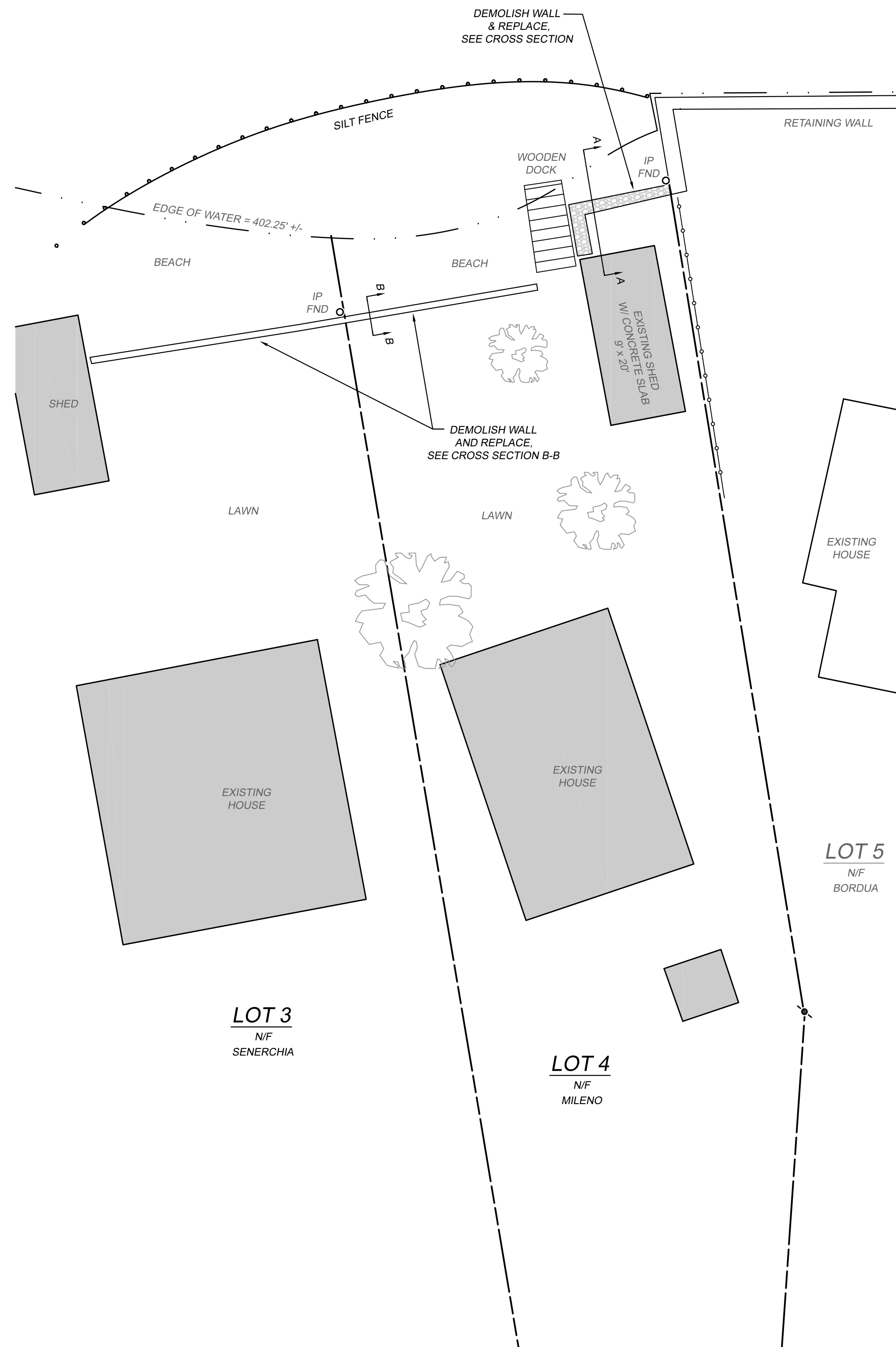




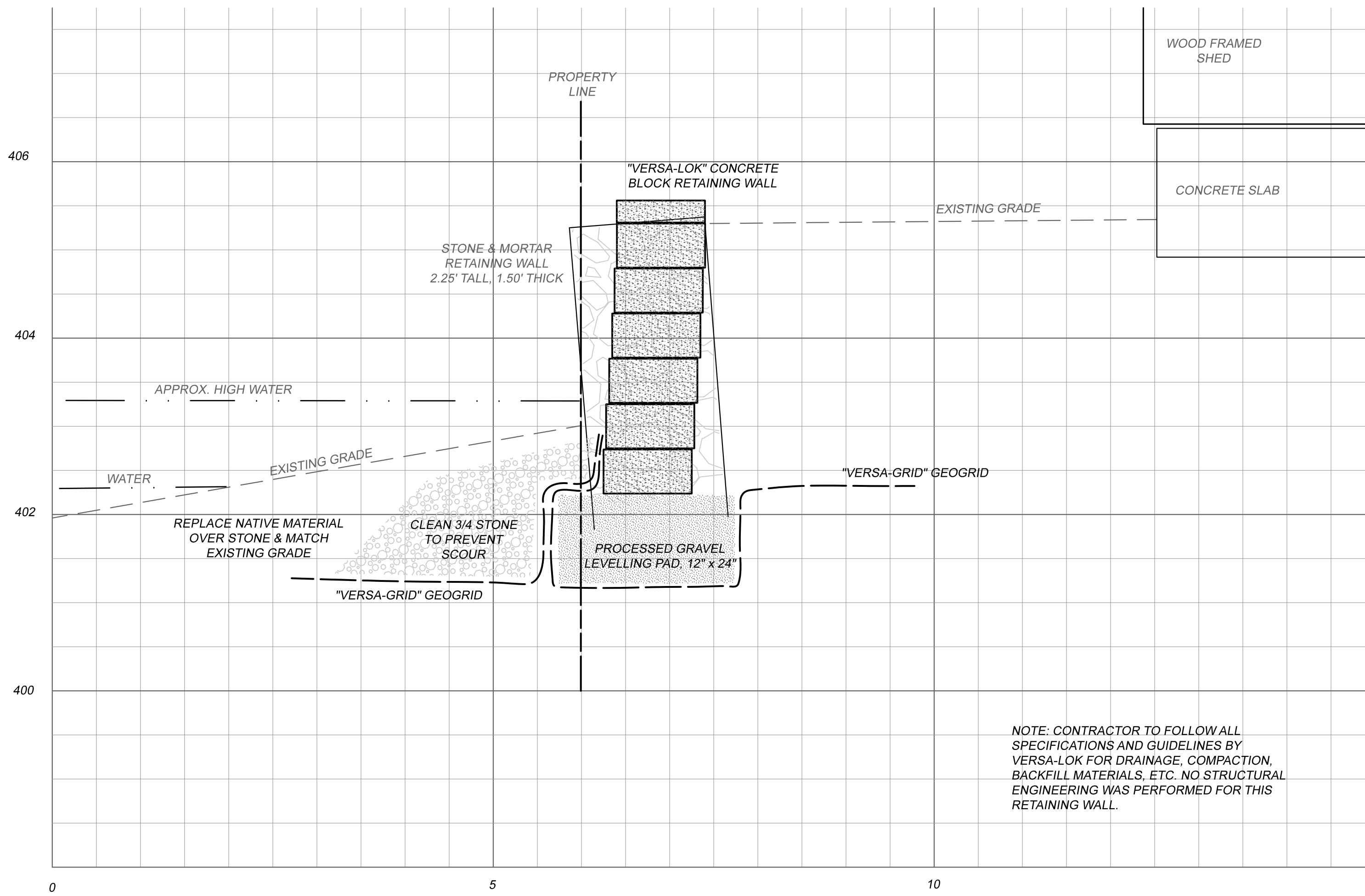


QUADDICK LAKE

WATER ELEV = 402.25' +/-
HIGH WATER = 403.25' +/-

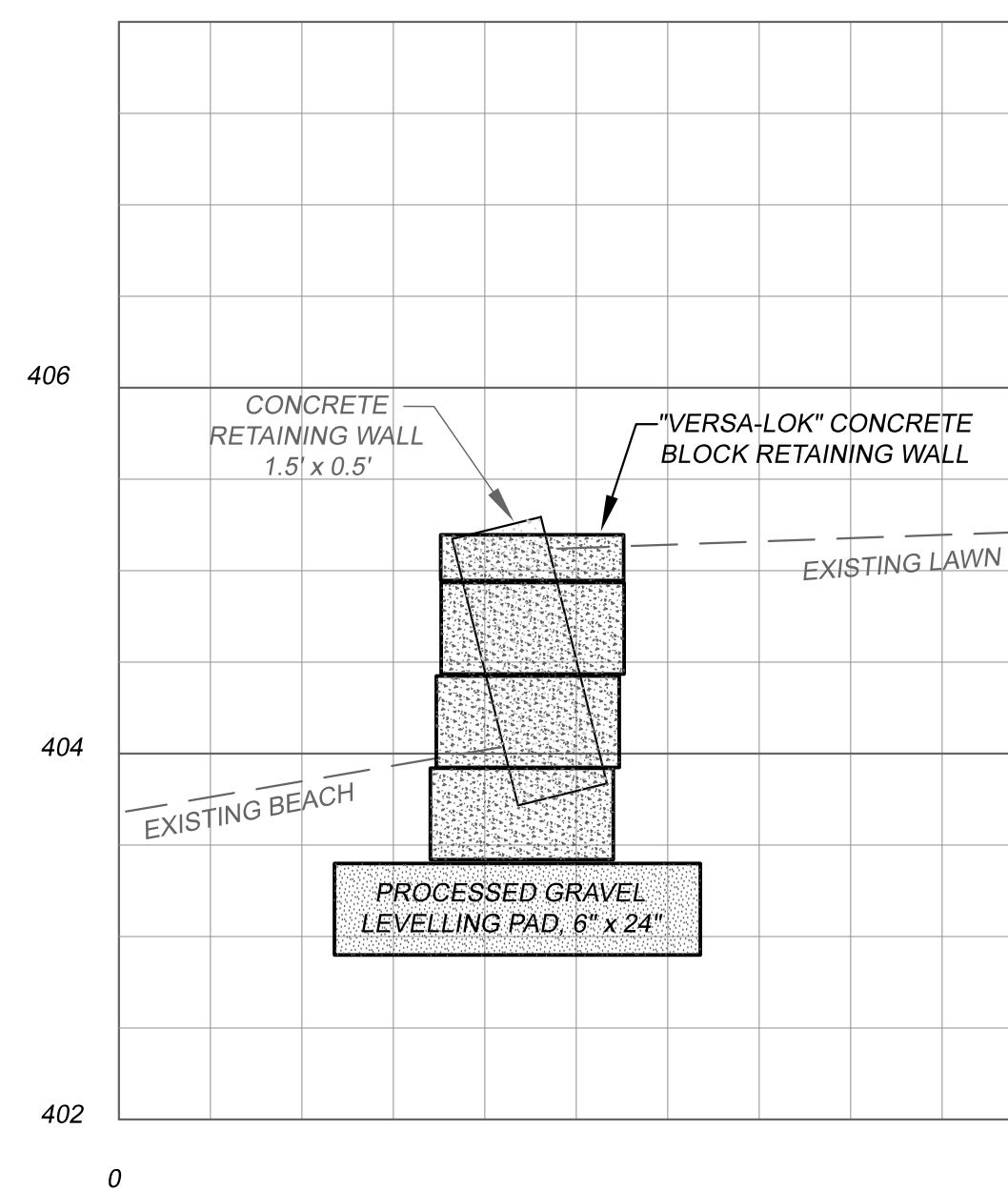


PLAN VIEW
1" = 10'



CROSS SECTION A-A
1" = 1'

NOTE: CONTRACTOR TO FOLLOW ALL SPECIFICATIONS AND GUIDELINES BY VERSA-LOK FOR DRAINAGE, COMPACTION, BACKFILL MATERIALS, ETC. NO STRUCTURAL ENGINEERING WAS PERFORMED FOR THIS RETAINING WALL.



CROSS SECTION B-B
NOT TO SCALE

GENERAL CONSTRUCTION NOTES

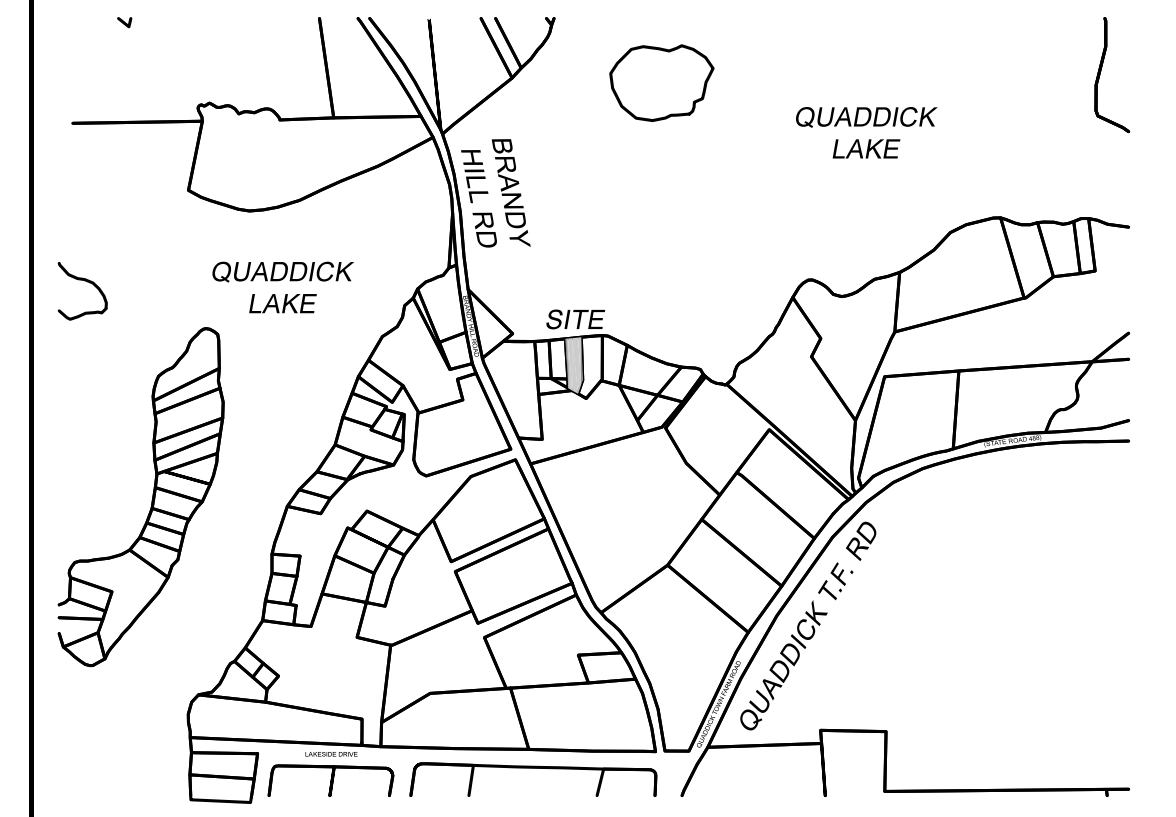
1. ALL PROPOSED DEMOLITION OR CONSTRUCTION SHALL TAKE PLACE DURING THE WINTER DRAIN DOWN PERIOD, WHEN THE WATER LEVEL IS SIGNIFICANTLY LOWER.
2. NO MACHINERY OR EQUIPMENT SHALL BE PLACED WITHIN THE WATER.
3. NO EXCAVATION OR EARTHWORK SHALL OCCUR WITHIN THE WATER.
4. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY WORK.
5. THE RETAINING WALL TO BE REPLACED IS APPROXIMATELY 6' BY 12'.
6. THE CONTRACTOR SHALL FOLLOW ALL SPECIFICATIONS AND INSTRUCTIONS PROVIDED BY THE CONCRETE BLOCK MANUFACTURER OR SUPPLIER.
7. THE CONTRACTOR SHALL TAKE MEASURES TO AVOID OR PREVENT ANY DAMAGE TO THE ADJACENT RETAINING WALL OWNED BY THE NEIGHBOR BORDUA.
8. THE CONTRACTOR SHALL AVOID ANY EXCAVATION THAT WOULD DISTURB THE NEARBY CONCRETE SLAB FOUNDATION.
9. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER PRIOR TO ANY SUBSTITUTIONS OR ALTERATIONS.

CONSTRUCTION SEQUENCE

1. INSTALL EROSION CONTROL DEVICES IN ACCORDANCE WITH THE SITE PLAN.
2. EXCAVATE FILL MATERIAL AT FOOTING AND BEHIND WALL.
3. DEMOLISH RETAINING WALL AND HAUL OFF SITE.
4. EXCAVATE NATIVE MATERIAL AS NECESSARY, COMPACT, AND INSTALL GEOGRID.
5. INSTALL AND COMPACT BASE LEVELING PAD.
6. ROLL UP ORIGINAL GEOGRID, AND INSTALL SECOND GEOGRID.
7. INSTALL FIRST TWO COURSES OF CONCRETE BLOCKS.
8. INSTALL CRUSHED STONE OVER GEOGRID, LEVELLING PAD AND FIRST LAYER OF BLOCKS.
9. COMPLETE RETAINING WALL INSTALLATION, FOLLOWING ALL SPECIFICATIONS AND INSTRUCTIONS PROVIDED BY THE CONCRETE BLOCK MANUFACTURER OR SUPPLIER.

EROSION AND SEDIMENT CONTROL NOTES

1. THE PROPOSED WORK SHALL CONSIST OF THE DEMOLITION OF AN EXISTING RETAINING WALL, AND THE CONSTRUCTION OF A CONCRETE BLOCK RETAINING WALL IN THE SAME LOCATION.
2. EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE SITE PLAN, PRIOR TO ANY EARTHWORK OR DEMOLITION.
3. THE CONTRACTOR SHALL ADEQUATELY INSPECT AND MAINTAIN ALL EROSION CONTROL.
4. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL DEVICES AS NECESSARY TO PREVENT ANY SEDIMENT FROM ENTERING THE WATER.
5. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM.
6. FINAL GRADE AND STABILIZE ALL DISTURBANCES AS SOON AS POSSIBLE.



LOCATION MAP
1" = 500'

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 OCTOBER 2, 2020, AND IS INTENDED TO BE USED FOR THE DESIGN OF A RETAINING WALL.

VERTICAL ACCURACY: CLASS T2 (NAVD88 DATUM)
HORIZONTAL ACCURACY: CLASS B (NAD83 DATUM) FOR THE TALLER RETAINING WALL, CLASS D FOR ALL ELSE.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

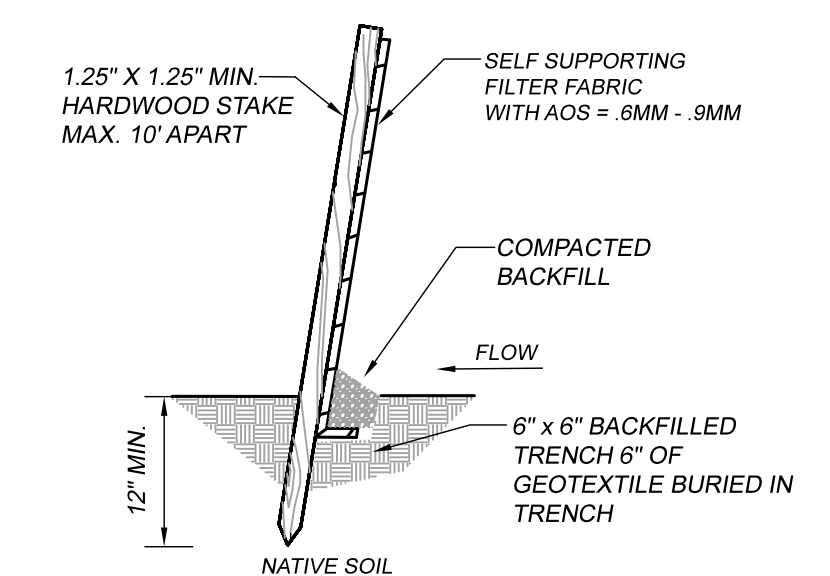
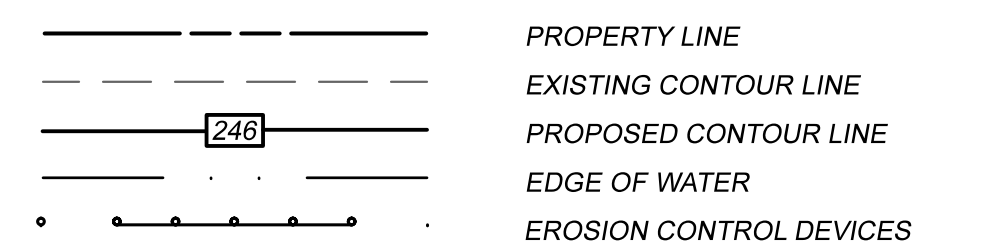
2. REFERENCE PLAN: "SUBDIVISION OF LAND OWNED BY CLAIRE L. GREEN, BRANDY HILL ROAD THOMPSON CT." BY ALBERT FITZBACK, L.L.S. DATED MAY 19, 1988. ON FILE AS MAP 1060-1.

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

DENNIS R. BLANCHETTE DATE 12/10/20 LICENSE NUMBER 12107

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE © 2020 J&D CIVIL ENGINEERS, LLC

LEGEND



SILT FENCE INSTALLATION
NOT TO SCALE

RETAINING WALL PLAN
PREPARED FOR
JERRY & ROBERT MILENO
523 BRANDY HILL ROAD - THOMPSON, CT
MAP 143 BLOCK 17 LOT 3 & 4

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

DESIGNED: **DDB**
CHECKED: **DRB**

REVISIONS:
2020-10-09 2ND CROSS SECTION

JOB NO: **20232**
SCALE: **AS NOTED**

DATE: **OCTOBER 7, 2020**
SHEET: **1 OF 1**

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

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, issued 3/5/2020, hearing and decision 3/10/2020 soil scientist report submitted 5/10/2020 approved, and to be work completed by 9/15/2020.







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, Notice of Violation issued 5/14/2020 7/14/2020 granted extension to 10/1/2020 for completion of work.

Agenda Item G.e. 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. Notice of Violation issued 8/6/2020 to cease any further earthmoving work and by August 20, 2020 provide an explanation for the earth moving work and the reason why an approval was not sought prior to the initiation of work within 100 feet of delineated wetlands.

Agenda Item H Other Business - None

Agenda Item I Reports

1 Budget & Expenditures

2 Wetlands Agent Report

Agenda Item J – Correspondence

9/23/2020 Notice of Registry of Soil Scientists from SSSSNE



September 23, 2020

Dear Wetland Commission:

Enclosed is a Notice document regarding the "Registry of Soil Scientists" brochure published by the Society of Soil Scientists of Southern New England (SSSSNE). In past years, the brochure has been distributed in Connecticut, Massachusetts, and Rhode Island to state and local agencies and the public at no charge. Due to COVID concerns and our desire to ease the burden of in-person Town Office visits from the public, we have put a stop on printing the updated Registry and are only providing this service online on the Society's webpage:

<http://www.ssssne.org/>

We have enclosed two print versions of the Notice: one is for your Inland Wetlands Commission and one copy is for the town Conservation Commission. We request that you please deliver the second copy to the Conservation Commission. Please feel free to post the Notice or keep as a office reference for public inquiries about the need to hire a Soil Scientist.

Connecticut's Inland Wetlands and Watercourses Act (IWWA: sections 22a-36 through 22a-45 of the General Statutes of Connecticut) defines "wetlands" as land, consisting of soil types designated as poorly drained, very poorly drained, alluvial, and floodplain by the National Cooperative Soil Survey. Since the Connecticut IWWA uses a soil-based definition of wetlands, a soil scientist is necessary to determine and delineate such wetlands. The IWWA also defines a "soil scientist" as an individual meeting standards set by the federal Office of Personnel Management (IWWA Section 22a-38. Definitions. (5)).

All members listed in The Registry of Soil Scientists of Southern New England (SSSSNE) meet the OPM GS-470 Soil Science Series standards, which mirror SSSSNE membership educational requirements. The Registry includes soil scientists who perform wetland delineations and other environmental evaluations in their jobs as private consultants, educators, or government employees. Member's educational background, employer, and experience are also listed.

The SSSSNE Board of Directors hopes this Registry serves as a valuable resource.

Respectfully,

Jacob Isleib, Secretary
Society of Soil Scientists of Southern New England
<http://www.ssssne.org/>

Received

OCT 05 2020

Thompson Wetlands Office

Enclosure: Notice document

Notice:

The Society of Soil Scientists of Southern New England Official Registry

will *only* be available online during 2021

(no print copies at the Town Office)

× × ×

For the current registry, please visit:

http://nesoil.com/ssssne/SSSSNE_Official_Registry.html

Or use this QR code:



The purpose of the Society Registry is to identify trained and qualified soil scientists, to foster and maintain professional competency, and to protect the public interest in the area of responsible use of soil and land resources.

The Registry of Soil Scientists intends to help in answering private and public demands for professional soil science assistance in Connecticut, Massachusetts, and Rhode Island. Although persons listed in this Registry meet specific requirements, the Society is not responsible for quality or costs involved in work performance.



www.ssssne.org

Agenda Item K - Signing of Mylars

Agenda Item L - Comments by Commissioners

Agenda Item M - Adjournment