

INLAND WETLANDS COMMISSION
TUESDAY, August 11, 2020
ZOOM Meeting

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

INLAND WETLANDS COMMISSION
TUESDAY, August 11, 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 July 14, 2020

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

INLAND WETLANDS COMMISSION

TUESDAY, July 14, 2020 7:00pm

Zoom Virtual Meeting Minutes <<See bottom of agenda for Zoom video info>>

A) Call to Order & Roll Call – The call to order was by Chair George O’Neil at 7:03pm

Present: Chairman George O’Neil, Vice-Chair and Commissioner H. Charles Obert, Treasurer and Commissioner Diane Chapin, Alternate Commissioner Barbara Roach, Wetlands Agent Marla Butts, Recording Secretary Ashley Pomes, Commissioner Francesca Morano entered the meeting at 7:30pm. Others Present: First Selectman Amy St Onge, Dan Blanchette, Marc Baer, Joe Przybylek, Dave Poplawski

B) Appointment of Alternates – Chair O’Neil appoints Alternate Commissioner Roach as a Commissioner for the meeting.

C) Action on Minutes of Previous Meeting

a) Minutes of June 9, 2020 – There were no corrections and no objections, the minutes stand as written.

D) Citizens Comments on Agenda Items – Joe Przybylek was present to talk about **VIOL20018** and **VIOL20019**, he states no work has been done yet to remove the tree debris from the water and asks if there is a time frame for this to be completed. M. Butts says this will be discussed when the Commission reaches that agenda item.

Dave Poplawski was present to comment about new application **WAA20022**, he says he owns property at 1247 Thompson Rd, he has a current approved application with an approved septic, on his plans it says that large specimen trees have to be kept and he hopes that the Commission requires the same functionality for this new application as the engineering required on his application. Chair O’Neil views this as a potential concern for a violation.

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 NDDH approval and handling roof runoff – On July 2nd, M. Butts received an email from Mr. Audet stating he has sent an application to NDDH for the replacement of the shed, he also acknowledged that he will figure out a way to handle the roof runoff. This is still pending.
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 – This is an unimproved portion of road that requires improvements from the town. On July 2nd, M. Butts received an email from Bruce Woodis of KWP Engineering, they have been retained by Mr. Merrick to update and revise the site plans for the Wetlands Application and they will need additional time

Minutes of Inland Wetland Commission Meeting July 14, 2020

to update, they asked for a 30 day extension. M. Butts agreed to the extension and asked if there was any work that would take place in wetlands and watercourses to see if the application will need to be changed to a different type. This is on hold waiting to see what the engineer comes back with for information.

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 was asked to sign off on new deck for the front of the cottage by the Building Dept, she notified Mr. Jasmine's engineer, Daniel Blanchette, that there would need to be new plans for this deck. She received revised plans from him today that included the construction of the deck on the front, she will send the Wetlands Commission these revised drawings to view prior to the next meeting. Also Mr. Blanchette has not yet received any letter from DEEP regarding the retaining wall encroachment on the lake bottom beyond Mr. Jasmine's property, Mr. Blanchette will send the information for the DEEP contact he has been speaking to, to M. Butts and she will reach out to them herself to see if she can help move this along. The want is for DEEP to submit a written statement that they have no objection to the wall being there.
4. **WAA20012**, Richard Desrochers DBA J+J Construction LLC, 484 & 486 Quaddick Town Farm Rd, Assessor's map 158, block 20, lots 8I & 8J, earth excavation & grading for future residential development, stamped received 5/6/2020, approved 6/19/2020, legal notice published 6/26/2020, end of appeal period 7/11/2020 – The appeals period ended this past Saturday, there was no appeals. Mr. Desrochers can now proceed with work.
5. **WAA20016**, Saywatt Hydroelectric, LLC, 0 West Thompson Rd. & 12 Old Route 12, Assessor's map 67, block 102, lot 26 & 27, construct photovoltaic solar array in 100-upland review area for the French and Quinebaug Rivers, stamped received 5/27/2020, approved 6/12/2020, legal notice published 6/26/2020, end of appeal period 7/11/2020 – The appeals period ended this past Saturday, there was no appeals. Commissioner Obert states there must not be any room left for any additional panels. M. Butts agrees that there is no more space that she can see available without involving alterations to wetlands. *There was note that the river listed above was incorrectly listed on the agenda as the Quaddick River, this should have been Quinebaug. This error has been corrected in these minutes.
6. **WAA20017**, Mark Labonte, 0 Thompson Rd, Assessor's map 103, block 31, lot 5A, construct single family home and appurtenances in the 100-foot upland review area, stamped received 5/20/2020, approved 6/12/2020, legal notice published 6/26/2020, end of appeal period 7/11/2020 – This application was initially denied by the Commission because of flooding issues, since then all questions/issues were addressed, a Wetlands Agent Approval was given. The appeals period ended this past Saturday, there were no appeals.
7. **WAA20020**, Joshua & Jessica Rhodes, 0 Pompeo Rd, Assessor's map 61, block 59, lot 5A, construct single family home and appurtenances in 100-foot upland review area, stamped received 6/3/2020, approved 6/22/2020, legal notice published 7/3/2020, end of appeal period 7/18/2020 – There are no appeals on this yet, Chair O'Neil asks if M. Butts can send a copy of the plans/drawings to him, she states she will send a copy to all Commissioners.

Minutes of Inland Wetland Commission Meeting July 14, 2020

8. **WAA20021**, Beverly Walker, POA for Dorothy Wetherbee, 23 Becola Rd., Assessor's map 116, block 24, lot 22, replace failing septic system, approved 6/24/2020, legal notice published 7/3/2020, end of appeal period 7/18/2020 – M. Butts states receipt date is missing, it is the same date as the issuance. M. Butts put a special condition on the approval that the engineer needed to be there while work was being done to ensure the septic was built according to the plan. Commissioner Roach says she can see the work being done daily; they are doing what they need to do. The silt fencing is up, when trees went into the pond when being removed, they were immediately taken out, the work area is covered with dirt so presumably the septic system has been installed. There is an old wall that has been deteriorating over the years that has gotten worse with a portion in the water. M. Butts says she will take a ride out there to see for herself what is going on.

b) New Applications

1. **WAA20022**, 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, requires conversion to individual permit application – there was discussion about the revetment, Dan Blanchette says the property is very steep, because of the proposed location of the house the land will need to be made even steeper. Erosion at the water's edge was a concern, to combat that they're proposing a rock revetment at the shoreline to stop the wave action from eroding the land area. To prevent undermining the toe of the slope needs to be slightly below the water level. M. Butts states this application needs to be processed as an Individual Permit Application. **Motion made by Commissioner Obert seconded by Commissioner Chapin to change this from a Wetlands Agent Approval to an Individual Application Approval.** Chair O'Neil asks Mr. Blanchette if there are any alternatives to this design or if this is the best choice. Mr. Blanchette says he believes this is the best choice, the other choice would be a vertical retaining wall at the water's edge, the rock revetment offers many advantages. It's cheaper to construct, its easier to repair, it's better for wildlife to go back and forth between water and land easily. Chair O'Neil asks if there is any long-term impact on the wetlands, Mr. Blanchette says he doesn't anticipate any long-term impact. **All Commissioners in favor, no opposition, the motion passes.** M. Butts says the official receipt date will be today now that the application is changed so nothing can be decided further until next meeting. She says there are many questions she will bring to the engineer regarding this application. Commissioner Roach asks if DOT has been contacted regarding erosion control, M. Butts says she spoke with Public Works Director Rich Benoit, he was going to touch base with DOT. Mr. Baer says his contractor Pat Wall spoke with DOT and they are going to give him permits and that everything is ok with them. M. Butts says she will touch base with DOT herself and ask them to take a look at the slope. M. Butts also says she has received an email from Mr. Harger, Mr. Baer's neighbor, he wants to know if there is plans to remove the trees between their two lots. Mr. Baer says yes, he will remove the trees, but the contractor was told to stop work, so he has not been able to do so yet. M. Butts will ask the neighbor which trees exactly he wants removed and they will let Mr. Baer know.
2. **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 – Most of the work appears to be in the upland review area. There has

Minutes of Inland Wetland Commission Meeting July 14, 2020

not been approval from NDDH yet, M. Butts cannot proceed without the NDDH approval of the septic design, this is still pending.

3. **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 – This is pending, M. Butts cannot proceed without NDDH approval of the septic.
 4. **WAA20025**, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's Map 103, Block 31, Lot 6H, subdivision lot 8), construct and discharge footing drain in 100-foot upland review area for a new single-family home, stamped received 7/6/2020, under review – This was approved on Friday July 10th, the only activity is the footing drain will partially be in the upland review area, the legal notice will be published next Friday, the appeal period will be for 15 days after that.
- c) Applications Received After Agenda was Published – There was one application (assigned # WAA20026), it is for 22 Woodstock Road in Thompson, assessors map 29, block 104, lot 23, WBA Real Estate LLC, 78 Prospect St, Woodstock CT. They have already obtained a soil scientist report, they have also sent letters to Woodstock and Putnam Wetlands Agencies as well since the location is within 500 ft of both of those towns as well. Woodstock Building Associates will be using this location as their show room, they are doing improvements to the parking lot in the back as well as septic work and will need an access road for that septic work. The application came in yesterday, M. Butts has not had a chance to review it yet.

F) Permit Extensions / Changes - None

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 – M. Butts received calls from concerned neighbors that there was work being done in the wetlands at this address, she went out to this site and saw for herself that there had been a pump there with a hose nearby and it looked like the site had been excavated. On July 9th M. Butts sent Mr. Josey an email notifying him that recent inspection of his property showed he had excavated a portion of the wetlands north of the restoration area that was cited in the cease and desist order, additionally he had side casted the spoil materials into the wetlands marsh. This work was not identified in the remediation plan given by the soil scientist, she told him to cease all work and respond within 48 hours to explain what he was doing. He did immediately contact her back saying the work he had done was the work that was supposed to be done according to the remediation plan. She told him no this is not what was to be done and invited him to attend this IWC meeting tonight to explain. She also sent an email to Mr. Gibson, Mr. Josey's soil scientist. Mr. Gibson replied that he had no knowledge of the work being done, Mr. Josey decided to complete work without his assistance. This is going to need further investigation and discussion. M. Butts will work on this and figure out how to address this issue, she will contact Mr. Gibson and look for his feedback on the photos she sent him to see if the work done was part of his remediation plan.
- 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

Minutes of Inland Wetland Commission Meeting July 14, 2020

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 – M. Butts went out to this site, she spoke with Mr. Fagan, he explained he is having financial difficulties to hire a machine to come in and do the grading work and requested a 90 day extension. The area that had been disturbed was now growing with grass, he has done no further work, some of the trees that he cut have been removed, some of the wood is still there. M. Butts has no problem issuing extension until October 1st as that is still within the seeding dates for whatever soils he disturbs during his grading work. Chair O’Neil asks if there is any further negative impact on the wetlands, M. Butts says no, a small amount of woody debris went over a stone wall, he agrees he will pull the debris back and stabilize it, it should not have any negative effect waiting the additional 90 days. There were no objections by Commissioners for granting the extension.

- 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 WAA20022 above) – this was addressed as submission of application IWA20022. Commissioner Roach asks if the silt fence was in place at the time of last month’s meeting. Commissioner Obert and Mr. Baer both answered yes, the fence was in place. M. Butts says that machines or a boat would be needed to remove the debris and it will cause more damage to remove it now, it would be better to wait. M. Butts and Commissioner Obert will go out to view this property next week. Commissioner Roach recommends that the debris should be removed now and if damage is done to the silt fence then he will need to fix it. M. Butts will send a letter to Mr. Wall and Mr. Baer requiring the debris to be removed within 30 days before any application approval will take place. Mr. Baer asks if he should also remove the trees near his neighbor’s property line at the same time, M. Butts states do not remove trees at this time, wait for her to get clarification on which trees the neighbor wanted removed.
- 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 above **VIOL20018**.

H) Other Business

- a) Request for participation to revise Plan of Conservation and Development -see https://www.thompsonct.org/sites/g/files/vyhlf5076/f/uploads/plan_of_cd_2010.pdf - If anyone is interested in participating in this, contact Town Planner Tyra Penn-Gesek.
- b) Review of the Approved IWC FY 20-21 Budget – There was not any changes made to this budget, it is the same as last years.

I) Reports

- a) Budget & Expenditures – There is no end of year report yet, there is still some outstanding balances, so the books have not yet been closed.
- b) Wetlands Agent Report –

Updates- Status of Court Appeal on Application IWA15029, River Junction Estates, LLC, is still pending. There has been little progress on the MS4 Annual Report and Follow Up Actions, but FY 19-20 Funds were encumbered, and contracts initiated to continue

Minutes of Inland Wetland Commission Meeting July 14, 2020

stormwater drainage system mapping, outfall screening and discharge sampling. No new progress on pre-1990 file destruction.

Inspections/Follow Up Actions-

- Complaint 20-01, 497 Quaddick Town Farm Rd. – M. Butts received an email from property owner Jenna Windsor stating she had Superior Paving remove as much material as would fit into a dump truck at a cost of \$1,000. Further she had no further plans to create a pull off for the driveway until she had funds to pave the driveway. Since Public Works is expected to plan road repair work in the near future to address road stabilization and drainage issues including installation of a cross culvert under this driveway, no further action is planned on this complaint.
- Complaint 20-05 Report of dumping of pony manure in wetlands off of Hiawatha Dr .- On June 29, 2020 M. Butts conducted a drive by inspection of property located on the north side of Hiawathia Dr. with Commissioner Obert. There appeared to be several locations where the dumping of brush and miscellaneous debris into and along the edge of the swamp that drains to Quaddick Reservoir. She did not see horse manure. Subsequent to the inspection, she found out this property is likely owned by the Town of Thompson. She has contacted Carolyn Werge to take a look at the property and advise if removal of the dumped material is warranted. She has also spoken to Public Works Director Benoit about blocking the entrance to the Town's properties to prevent further dumping. M. Butts will give a status update at the next IWC meeting on what actions may be warranted.
- Complaint 20-08 Report of fill in URA and possibly wetlands at 480 Quaddick Town Farm Rd – During a visit to Richard Desrochers property with Commissioner Obert on 6/29/2020 Richard Desrochers complained the filling of wetlands and in the upland review area had occurred on the Lemieux & Burlingame property. From the street fresh fill or disturbed soils could be seen northeast of the home. Subsequently, a review of Record Drawing # 1547 filed in the Town Clerk's Office revealed wetlands were delineated in or near the area of the observed disturbed soils. A subsequent viewing of the property from the street confirms this conclusion. A letter of inquiry will be sent shortly to the property owners to get an explanation for the work northeast of the home so that a course of action could be decided.
- Complaint 20-09 Flooding problems at 361 Brandy Hill Rd caused by street drainage – M. Butts visited the site on June 29, 2020 with Commissioner Obert to get an assessment of the problem. The home at 361 Brandy Hill Rd was built in 1986 with no drainage problems until the home at 8 Totem pole Rd was built in 2004 filling in an area where stormwaters use to flow. Subsequently (about 5 years ago?) the Town installed a catch basin in front of 361 Brandy Hill Rd discharging it at a headwall that drained into the side yard of 361 Brandy Hill Rd. Last year the Town repaved the road and it appears that drainage changes have occurred exacerbating the flooding problem causing stormwater to flood into the garage several inches deep. M. Butts is working with the Public Works Director and NDDH to find out what actions the Town can take at address the problem. This is complicated because the stormwater pools into undeveloped property to the rear of 361 Brandy Hill Rd. With no drainage culvert under Totem Pole Rd stormwaters must flood up and then over Totem Pole Rd entering into other private property before reaching Quaddick Reservoir. M. Butts will give an update on the status at the next meeting.

Building Permits Reviewed- There were 10 building permits reviewed.

- **Miscellaneous-** Request for Authorization to Purchase Storage Cabinet – It is requested the IWC authorize the expenditure of up to \$200 for half of the cost to purchase a storage cabinet to be shared with the Conservation Officer for storage of supplies and equipment to free up file cabinet space.

Minutes of Inland Wetland Commission Meeting July 14, 2020

Total estimated cost less than \$400. Unexpended funds from FY19-20 encumbered but not spent pending IWC approval of expenditure. **Commissioner Obert makes a motion to approve \$200 for lockable storage cabinet to share with Conservation seconded by Commissioner Morano.** Commissioner Obert asks if the cabinet is fireproof, the answer is no. **All Commissioners are in favor, the motion is approved.**

- Draft Zoning Regulations – Since January 2020, M. Butts has spent hours of time reviewing and providing comment on draft zoning regulations being developed by the Planning & Zoning Commission. Her focus was on stormwater management, MS4 permit requirements, and provisions that could affect inland wetlands and watercourses. The draft regulations have been posted on the Town’s website and available for public comment and are expected to go to public hearing in the near future.

PURCHASE REQUISITIONS STATUS

- Paid \$40.83 (PO 120441), W.B. Mason, office supplies.
- Encumbered \$50 (PO 120498), Stonebridge Press, legal notice Joshua & Jessica Rhodes, WAA20020 and Beverly Walker POA for Dorothy Wetherbee, WAA20021.
- Encumbered \$200 (PO 120499), Elan Corp, purchase of storage cabinet to be shared with Conservation (PO 120471).

J) Correspondence - None

K) Signing of Mylars -None

L) Comments by Commissioners – Commissioner Obert confirms he will meet with M. Butts on Monday to go out to view some properties discussed during this meeting.

M) Adjournment – **Commissioner Obert moved to adjourn the meeting at 9:09pm seconded by Commissioner Chapin, all were in favor.**

Respectfully Submitted,

Ashley Pomes; Recording Secretary

Topic: Inlands Wetlands Commission

Date: Jul 14, 2020 06:27 PM Eastern Time (US and Canada)

Share recording with viewers:

<https://us02web.zoom.us/rec/share/ycd7BrbsrWZIRtb95W3zZlCjHL3ueaa8hnNKq6Jczh63ukRMJhXBgGqVQhrL5UvH>

Password: 9O?#\$&@

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, under review pending NDDH approval and handing roof runoff.



NORTHEAST DISTRICT DEPARTMENT OF HEALTH

69 SOUTH MAIN STREET, UNIT 4, BROOKLYN, CT 06234

860-774-7350/FAX 860-774-1308 WWW.NDDH.ORG

July 23, 2020

Richard T. Audet
50 Wrightson Drive
Thompson, CT 06277

B100/APPLICATION

**SUBJECT: FILE #2001378 -- WRIGHTSON DRIVE #50, MAP #143, BLOCK #17, LOT #18,
THOMPSON, CT**

Dear Richard T. Audet:

On July 02, 2020, this department received an application proposing the addition of a 20' x 24' shed on piers to replace a recently removed 16' x 20' unsafe shed to your property.

Based on the information provided and paperwork in our files this request has been approved under the following conditions:

1. There shall be no plumbing/water supplied to the building.
2. Septic system to be taped off during construction to ensure proper separating distance is maintained and to protect from heavy traffic or storage of building materials in this area.

Approval is being granted under Section 19-13-B100a of the CT Public Health Code. This approval is given with the understanding that you will provide proper care and maintenance of the existing system (the septic tank is to be pumped every 3 years).

THE OWNER IS RESPONSIBLE TO SEEK PROPER AUTHORIZATION FROM ALL TOWN AGENCIES PRIOR TO START OF CONSTRUCTION.

Should you have any questions, please do not hesitate to contact this office.

Sincerely,

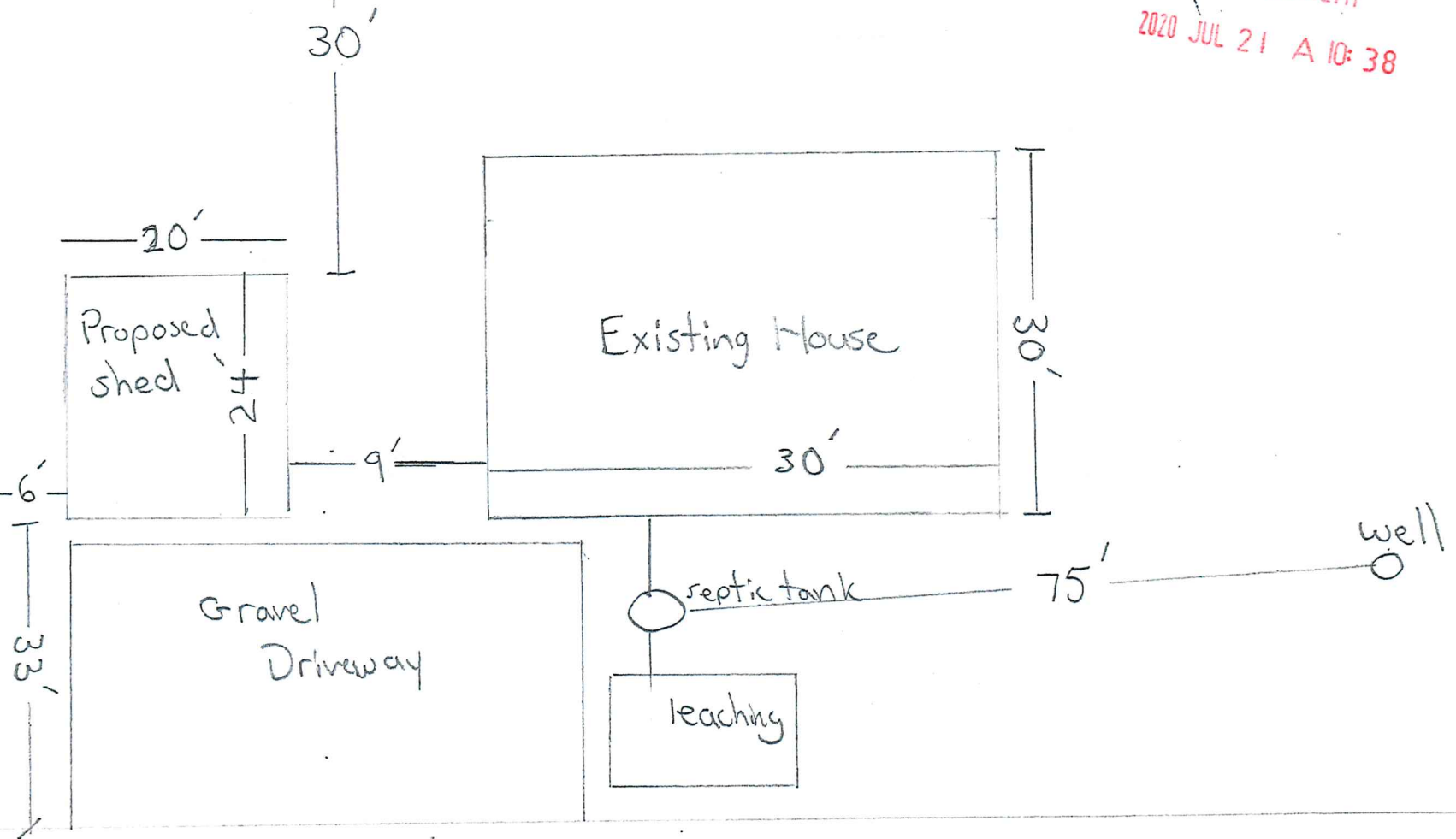
Sherry McGann, RS
Registered Sanitarian ~ NDDH

cc: Thompson Building Official

water

NORTHEAST DISTRICT
DEPT OF HEALTH
2020 JUL 21 A 10:38

Property Line



Wrightson Drive

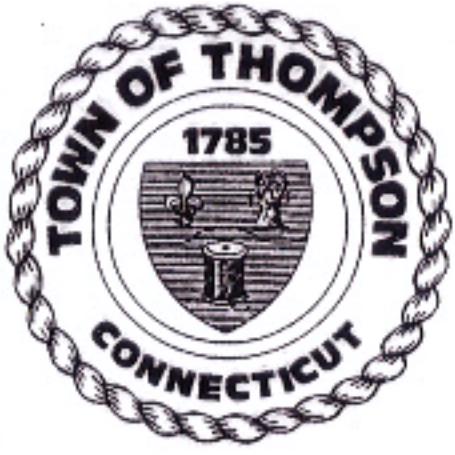
Rich Audet - 50 Wrightson Drive, Thompson 860-428-5377

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.



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

July 16, 2020

Commissioner Katie S. Dykes
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

RE: Request for DEEP's Position on New Retaining Wall Extending into Quaddick Reservoir
Thompson Inland Wetlands Permit Application IWA20011
512 Brandy Hill Rd, Thompson

Dear Commissioner Dykes,

This is a request for DEEP to state its position regarding the unauthorized construction of a stone faced concrete retaining wall built beyond the normal high water line for Quaddick Reservoir by the property owner of 512 Brandy Hill Road, Thompson. This wall was built last fall and winter when the Reservoir was drawn down. The new retaining wall was noticed during a review this spring of modifications to a cottage on the property.

Upon notification by the Thompson Wetlands Office, Mr. Jasmin hired the engineering firm of J&D Civil Engineers, LLC. Survey work was performed to establish the property boundaries for 512 Brandy Hill Road and on May 6th Inland Wetlands Permit Application # IWA20011 was submitted by Daniel Blanchette, P.E. of J&D Civil Engineers, LLC for Mr. Jasmine (copy attached including site plans) to seek authorization for the new retaining wall. The application site plans reveal the extent to which the wall extends into the Reservoir. Mr. Blanchette submitted to DEEP a Natural Diversity Database review request on May 4th via mail (copy attached). To date no response to the requested NDDDB review from DEEP has been received by the Thompson Wetlands Office.

Mr. Blanchette has also been in contact with Brian Florek of the DEEP seeking DEEP's position on the wall. Attached is a PDF of the email threads between Mr. Blanchette and Mr. Florek. To date Mr. Blanchette reports he's had no response to his request for DEEP's position.

From my past contacts with DEEP I understand that DEEP owns the dam for and the water rights to Quaddick Reservoir, but is unclear as to who owns the lake bottom. It is not clear how fill placed in the Reservoir effects DEEP's water rights.

If you could be so kind as to provide, in writing, by August 1, 2020 DEEP's position on this permit application it would greatly assist the Inland Wetlands Commission rendering its decision. Thank you for your time and attention in this matter.

Sincerely

Marla Butts
Wetlands Agent

File: ltr to DEEP Request Position on IWA20011 New Retaining Wall

Attachments as Stated



Date: 07/28/2020 [10:07:38 AM CDT]
From: wetlands@thompsonct.org
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>
Subject: Re: Request for DEEP's Position on Unauthorized Retaining Wall Extending into Quaddick Reservoir, Thompson, Application IWA20011

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>:

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

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

Agenda Item E.a) 4. Old Applications

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.

TEST PIT RESULTS

OBSERVED BY: SHERRY MCGANN
DATE: DECEMBER 16, 2019

PIT NO. 1

0 - 8" TOPSOIL
8 - 46" RB/YB FINE SANDY LOAM
46 - 102" RED COARSE SAND AND GRAVEL W/ COBBLES

MOTTLING: N/A
RESTRICTIVE: N/A
LEDGE: N/A
WATER: N/A
ROOTS: 46"

PIT NO. 2

0 - 4" TOPSOIL
4 - 75" MEDIUM COARSE SAND AND GRAVEL W/ COBBLES

MOTTLING: 66"
RESTRICTIVE: N/A
LEDGE: N/A
WATER: 75"
ROOTS: 41"

SOUTH END OF TEST PIT DISTURBED,
CONTAINS GRAVELLY FILL

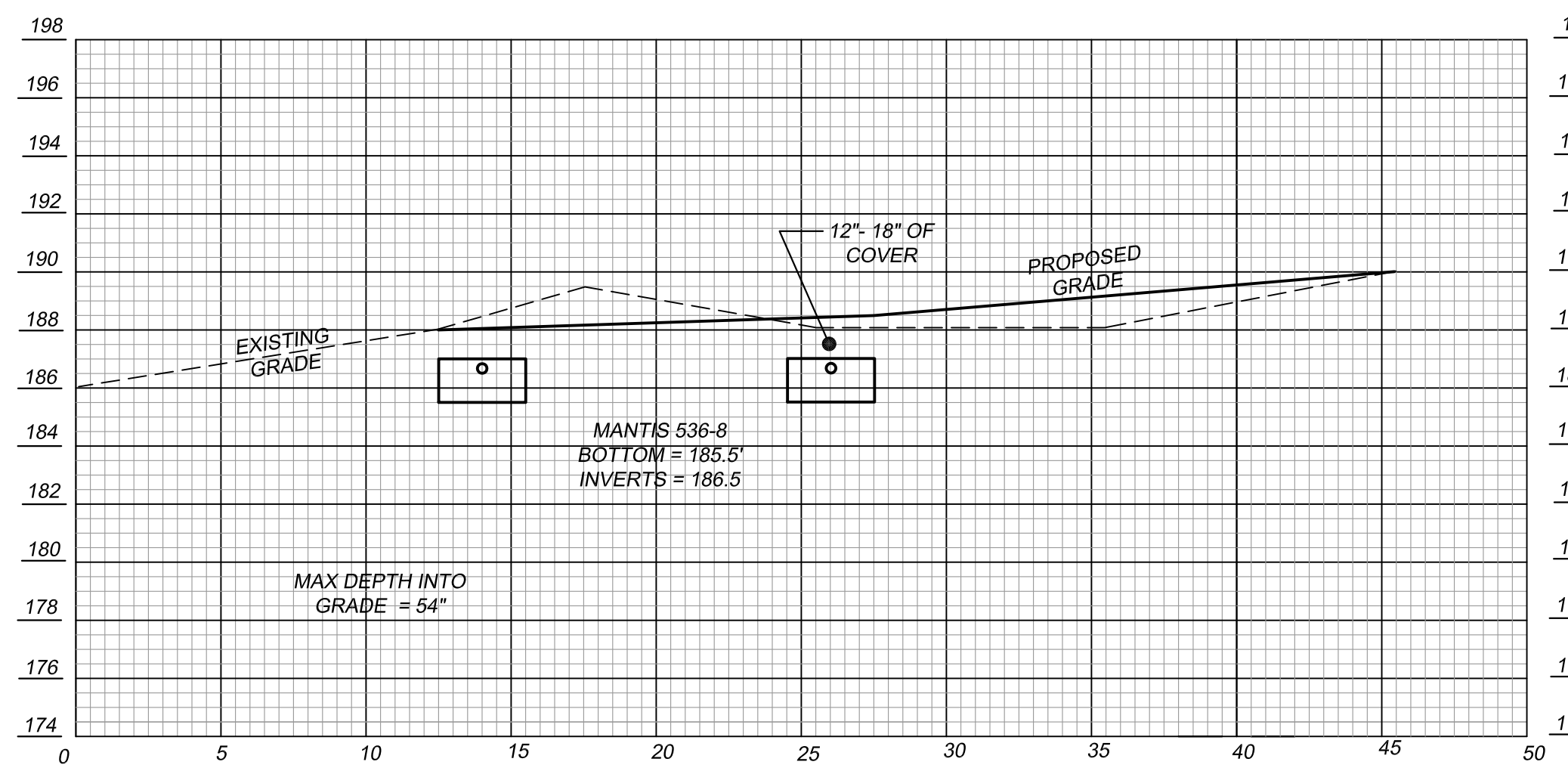
PERC. TEST RESULTS

OBSERVED BY: SHERRY MCGANN
DATE: DECEMBER 16, 2019

HOLE A - NEAR TP 1

TIME	READING
11:02	6.50"
11:07	9.00"
11:12	9.75"
11:17	10.25"
11:27	11.25"
11:37	12.25"
11:47	13.25"

DEPTH: 48"
RATE: 10 MIN/IN



LEACHING FIELD CROSS SECTION A-A

1" = 5'

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, 1986.

THE SURVEY TYPE IS TOPOGRAPHIC, PERFORMED IN NOVEMBER 2019, AND IS INTENDED TO BE USED FOR THE DESIGN OF AN ENGINEERED SEPTIC SYSTEM.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

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

3. REFERENCE PLAN: "PROPERTY SURVEY PLAN DEPICTING LAND OF ANNE P. BAER AND PAUL A. BAER, 1217 AND 1227 THOMPSON ROAD, THOMPSON CT." PREPARED BY CME ASSOCIATES, INC. DATE SEPT 27, 2005. SCALE 1" = 40'. ON FILE AS MAP 1516.

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

DENNIS R. BLANCHETTE DATE LICENSE

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

SEPTIC SYSTEM DESIGN CRITERIA

NUMBER OF BEDROOMS: 5
SEPTIC TANK: 1500 GALLON
PERC RATE: 10 MINS/INCH
MOTTLING: N/A; LEDGE: N/A; WATER: N/A; RESTRICTIVE: N/A; SLOPE: 3%
LEACHING AREA REQUIRED: 660 SQUARE FEET
MLSS REQUIRED = N/A
LEACHING AREA PROVIDED: 60' OF MANTIS 536-8 = 660 SQUARE FEET
LSS PROVIDED = 30'

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: 6 HOLE D-BOX WITH BAFFLE

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: ELJEN MANTIS 536-8

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:

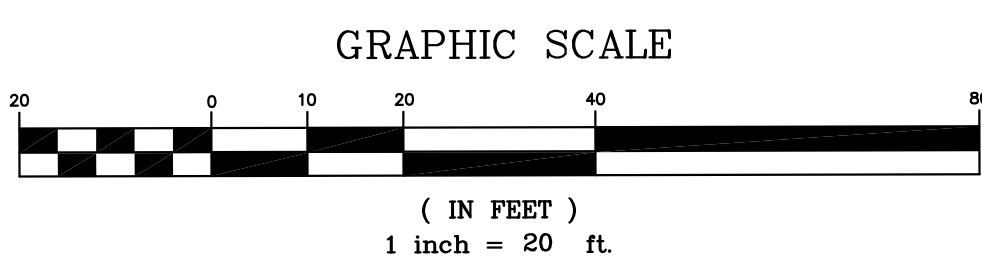
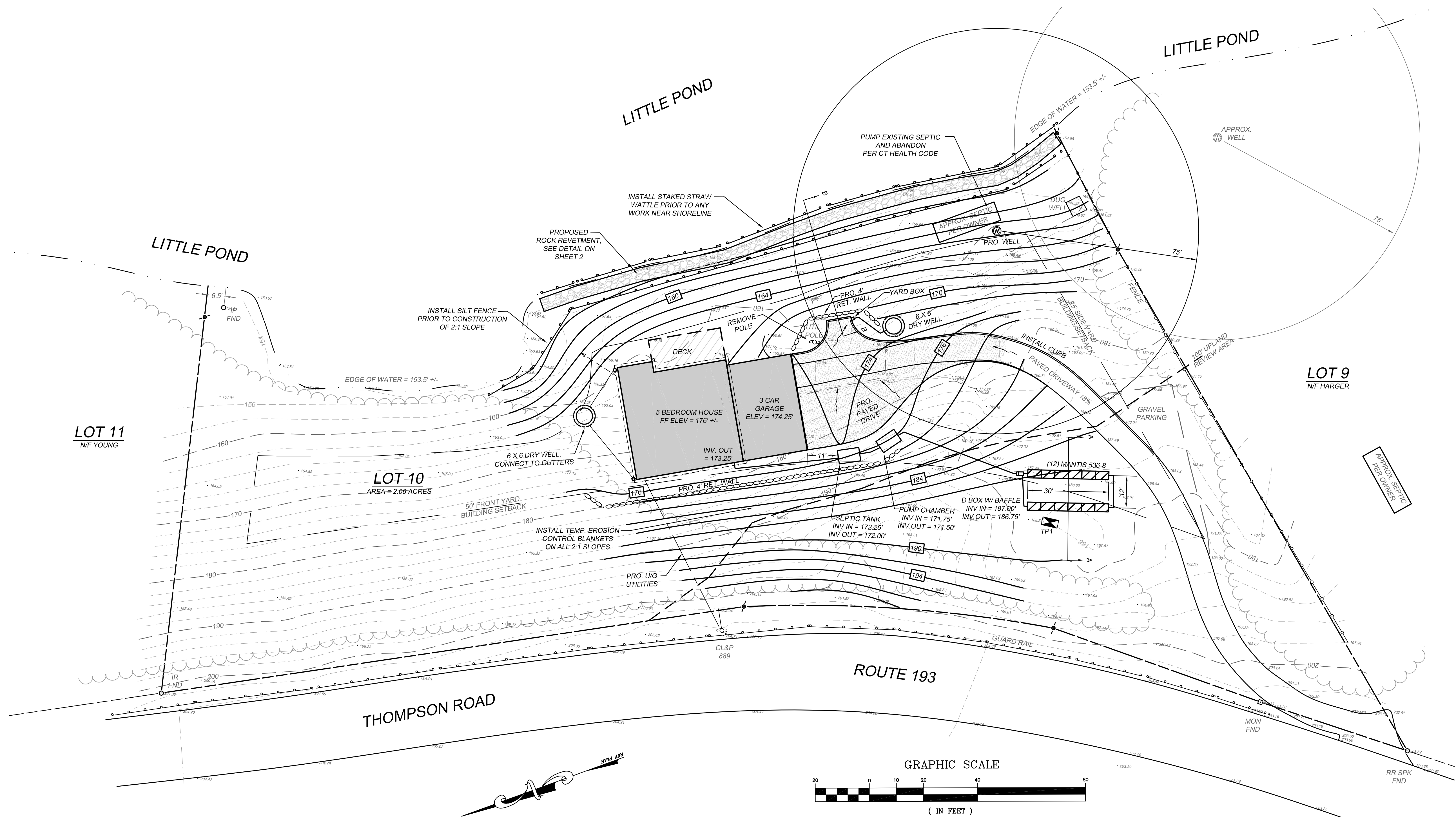
1. THE PROPOSED ACTIVITY ON THE SITE WILL CONSIST OF THE CONSTRUCTION OF A SINGLE FAMILY HOUSE, WELL, SEPTIC SYSTEM AND DRIVEWAY.
2. EROSION CONTROL DEVICES MUST BE INSTALLED WHERE INDICATED ON THIS SHEET PRIOR TO THE START OF CONSTRUCTION.
3. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SEEDED OR 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.

FLOOD ZONE

THE PROPERTY ABUTS FLOOD ZONE A. (NO ELEVATION) PER FLOOD MAP 090117 0010B, DATED 11-1-84. THE FLOOD ZONE IS APPROXIMATELY THE HIGH WATER LINE OF THE POND.

LEGEND

- BUILDING SETBACK LINE
- - - PROPERTY LINE
- · - · - EXISTING CONTOUR LINE
- · - · - PROPOSED CONTOUR LINE
- · - · - EDGE OF WATER
- · - · - UPLAND REVIEW AREA
- · - · - EROSION CONTROL DEVICES
- TEST PIT
- ▨ LEACHING TRENCH
- STONEWALL
- UTILITIES
- TREELINE



NDDH FILE #20000144

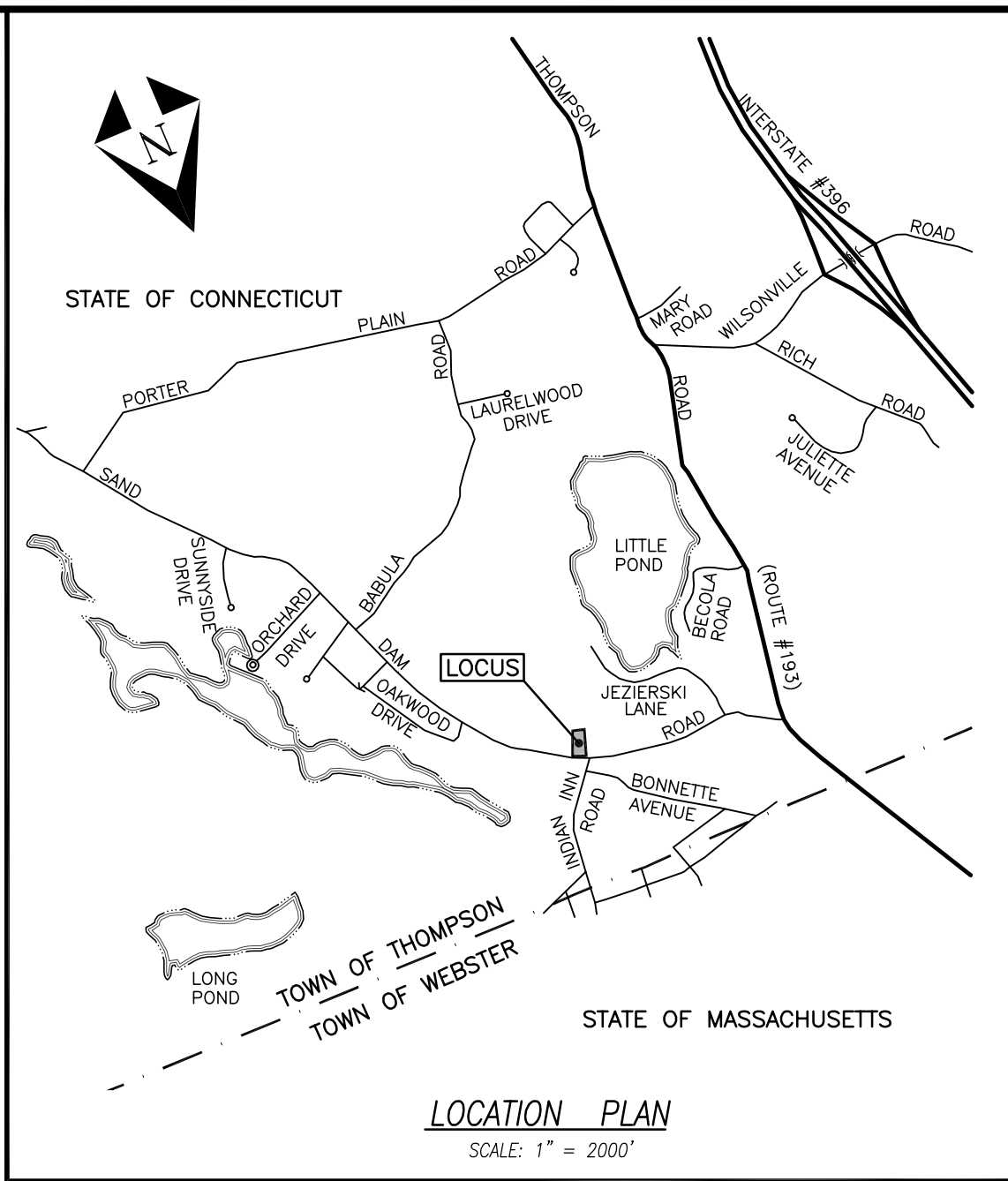
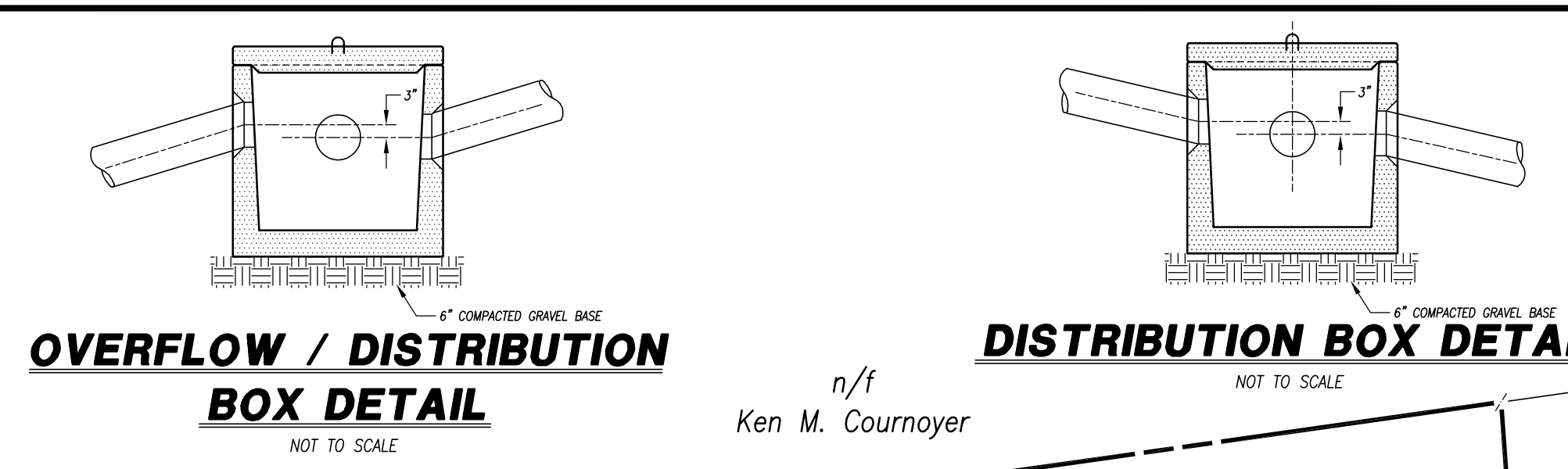
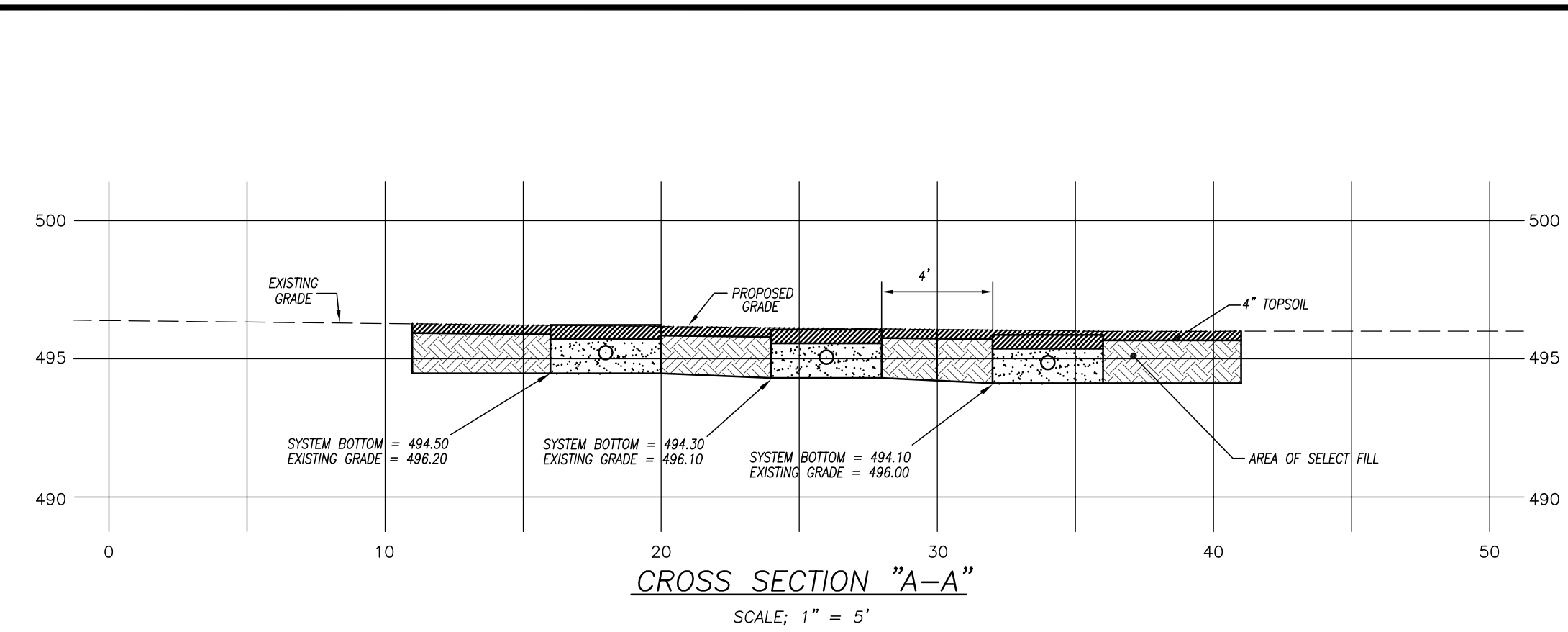
SITE DEVELOPMENT PLAN
PREPARED FOR
MARC BAER
1227 THOMPSON ROAD - THOMPSON, CT
MAP 116 BLOCK 24 LOT 10

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

DESIGNED: DRB	REVISIONS:
CHECKED: DRB	
JOB NO: 19216	DATE: JUNE 15, 2020
SCALE: 1" = 20'	SHEET: 1 OF 2

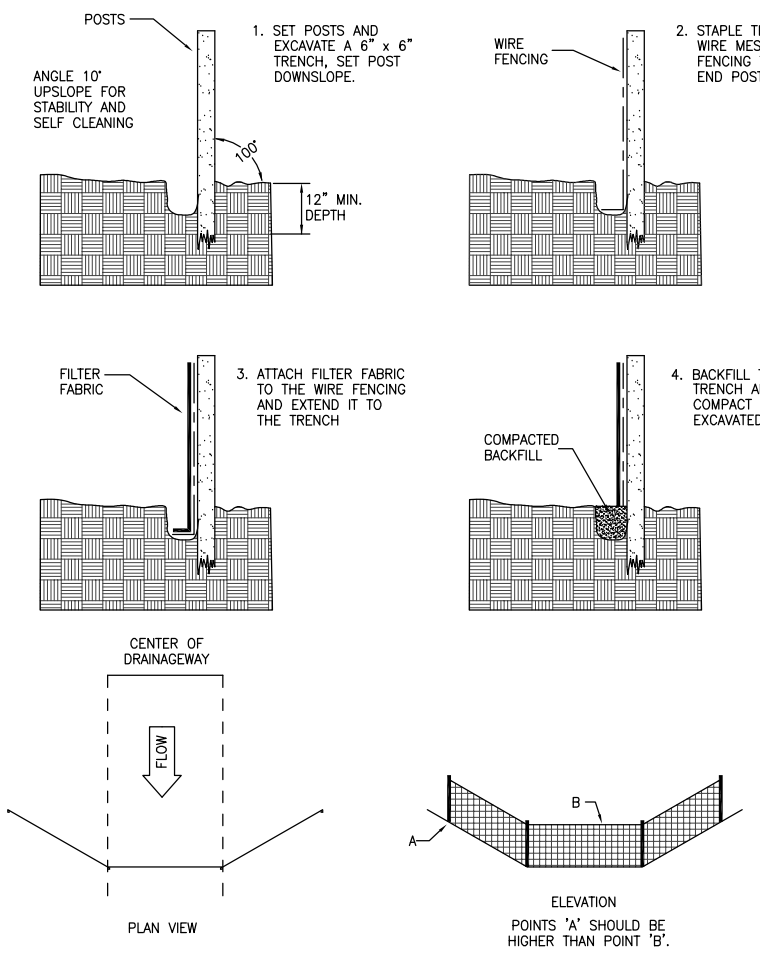
Agenda Item E.a) 5. Old Applications

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, under review pending receipt of additional information.



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 maybe 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 SEEDING WITH FOLLOWING MIX:	lbs./1000 S.F.
SEED	0.45
CREEPIRING RED FESCUE	0.05
REDTOP	0.20
PERENNIAL RYEGRASS	0.15
KENTUCKY BLUEGRASS	
TOTAL:	0.85

AFTER SEEDING IS COMPLETE SPREAD MULCH AT THE RATE OF 1 TON/BALE/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 Pieshala - 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

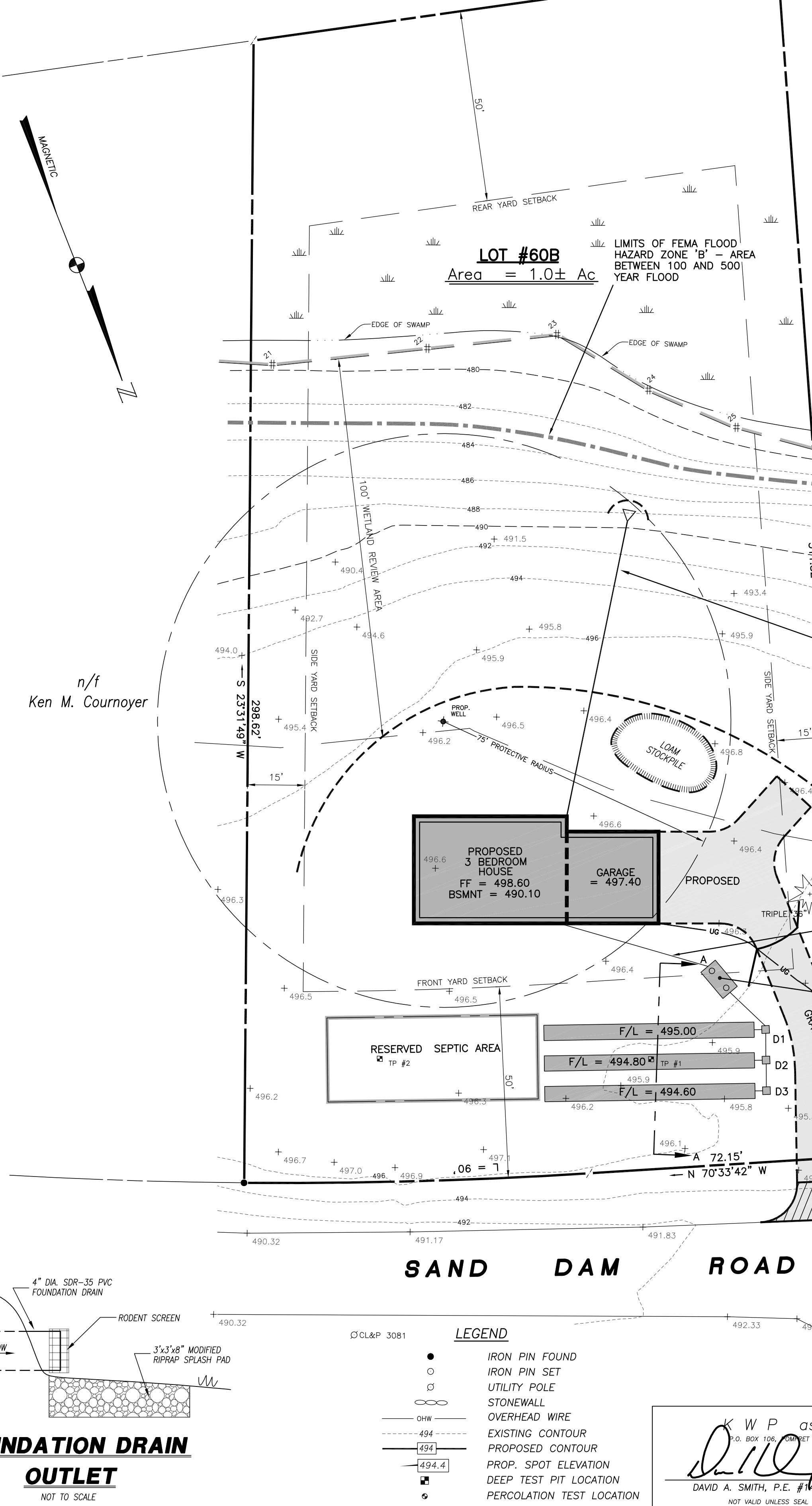
U/G UTILITIES CONDUIT IN TRENCH

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

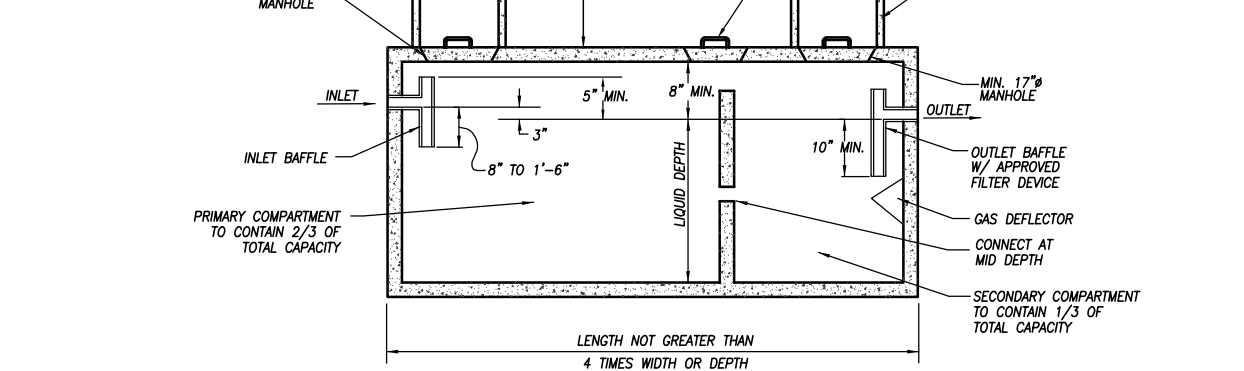
SEPTIC SYSTEM CONSTRUCTION NOTES

- 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): | Percent Passing | |
|--|-----------------|--------|
| Fine Fraction: | WET | DRY |
| Sieve | | |
| 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.

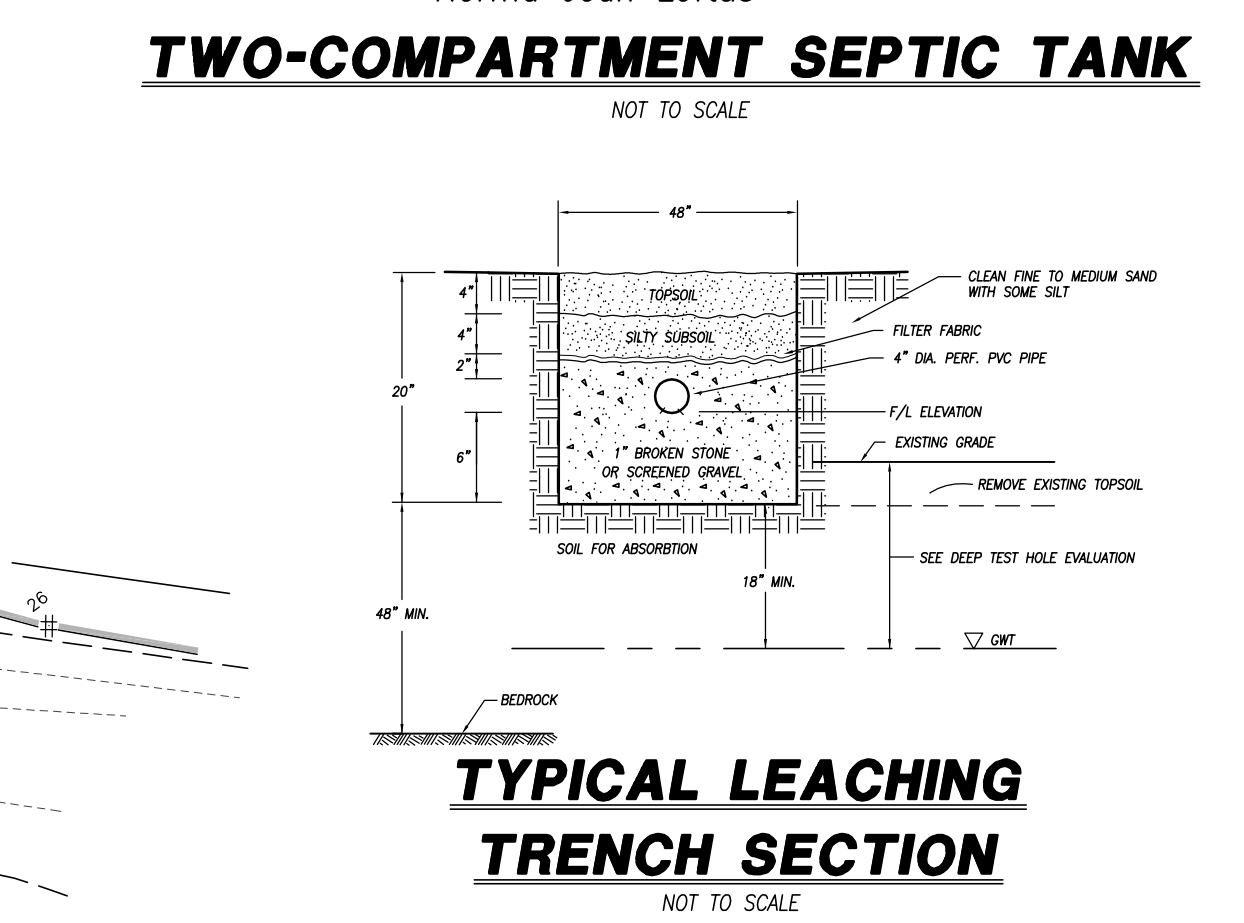
OVERFLOW / DISTRIBUTION BOX DETAIL



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.
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"

Septic System Design Plan
Lot #60B
Prepared For
THOMAS 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:

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

Bruce D. Woodis 6/10/2020
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.

KWP associates
P.O. BOX 156
POMFRET CENTER, CT 06259

David A. Smith 6/10/2020
DAVID A. SMITH, P.E. #11733 DATE
NOT VALID UNLESS SEAL IS AFFIXED HERETO



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

July 26, 2020

Mr. Bruce Woodis
KWP Associates
P.O. Box 106
Pomfret Center, CT 06259
bgoyette@kwpinc.com

Project: Residential Construction of 2 Homes on the South Side of Sand Dam Road (Lot 60B and 60C) in Thompson, Connecticut
NDDB Determination No.: 202008237

Dear Bruce Woodis,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the proposed Residential Construction of 2 Homes on the South Side of Sand Dam Road (Lot 60B and 60C) in Thompson, Connecticut. According to our records we have a significant natural community, a Poor Fen and a multitude of state endangered and threatened species just downstream of this property. The riparian area that runs through this property is hydrologically connected to the poor fen. The following state listed species are associated with the poor fen and hydrology of this property:

State Endangered

Erynnis persius persius (Persius duskywing)
Oclemena nemoralis (Bog aster)
Piptatherum pungens (Slender mountain ricegrass)
Eleocharis equisetoides (Horsetail spikesedge)

State Threatened

Eriophorum vaginatum var. *spissum* (Hare's tail)
Gaylussacia bigeloviana

State Special Concern

Enneacanthus obesus (Banded sunfish)
Rosa nitida (Shining rose)

Poor Fen: These significant natural communities are natural peatland occupying a topographically defined basin. Often they are deep, poorly decomposed peats dominated primarily by ericaceous shrubs. Subtypes include dwarf shrub, shrub thicket and saturated woodland. In order to protect this significant community please adhere to best management practices designed to protect wetlands and maintain a least a 200 foot vegetated buffer from all wetlands from all activities to maintain its ecological integrity as a special type of significant natural community. During construction strict erosion and sedimentation controls should be maintained.

Alteration to the natural hydrology poses a significant threat to this important natural community. When considering development activities minimize actions that will change what water carries and how water travels to this community, both on the surface and underground.

Water traveling over-the-ground as run-off usually carries an abundance of silt, clay, and other particulates during (and often after) a construction project. While still suspended in the water, these particulates make it difficult for aquatic animals to find food; after settling to the bottom of the wetland, these particulates bury small plants and animals and alter the natural functions of the community in many other ways. Any development activity near this community type should strive to minimize particulate-laden run-off into this community.

Water traveling on the ground or seeping through the ground also carries dissolved minerals and chemicals. Road salt, for example, is becoming an increasing problem both to natural communities and as a contaminant in household wells. Fertilizers, detergents, and other chemicals that increase the nutrient levels in wetlands cause algae blooms and eventually an oxygen-depleted environment where few animals can live. Herbicides and pesticides often travel far from where they are applied and have lasting effects on the quality of the natural community.

In order to protect the state listed species associated with this poor fen the following protective strategies are required:

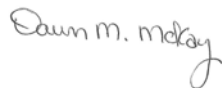
- A 200 foot minimum vegetative buffer from any wetlands.
- No herbicides or pesticides should be used on these lots.
- Do not discharge stormwater into wetlands or wetland soils.

This determination is good for two years. Please re-submit an NDDB Request for Review if the scope of work changes or if work has not begun on this project by July 26, 2022.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or dawn.mckay@ct.gov . Thank you for consulting the Natural Diversity Data Base. A more detailed review may be conducted as part of any subsequent environmental permit applications submitted to DEEP for the proposed site.

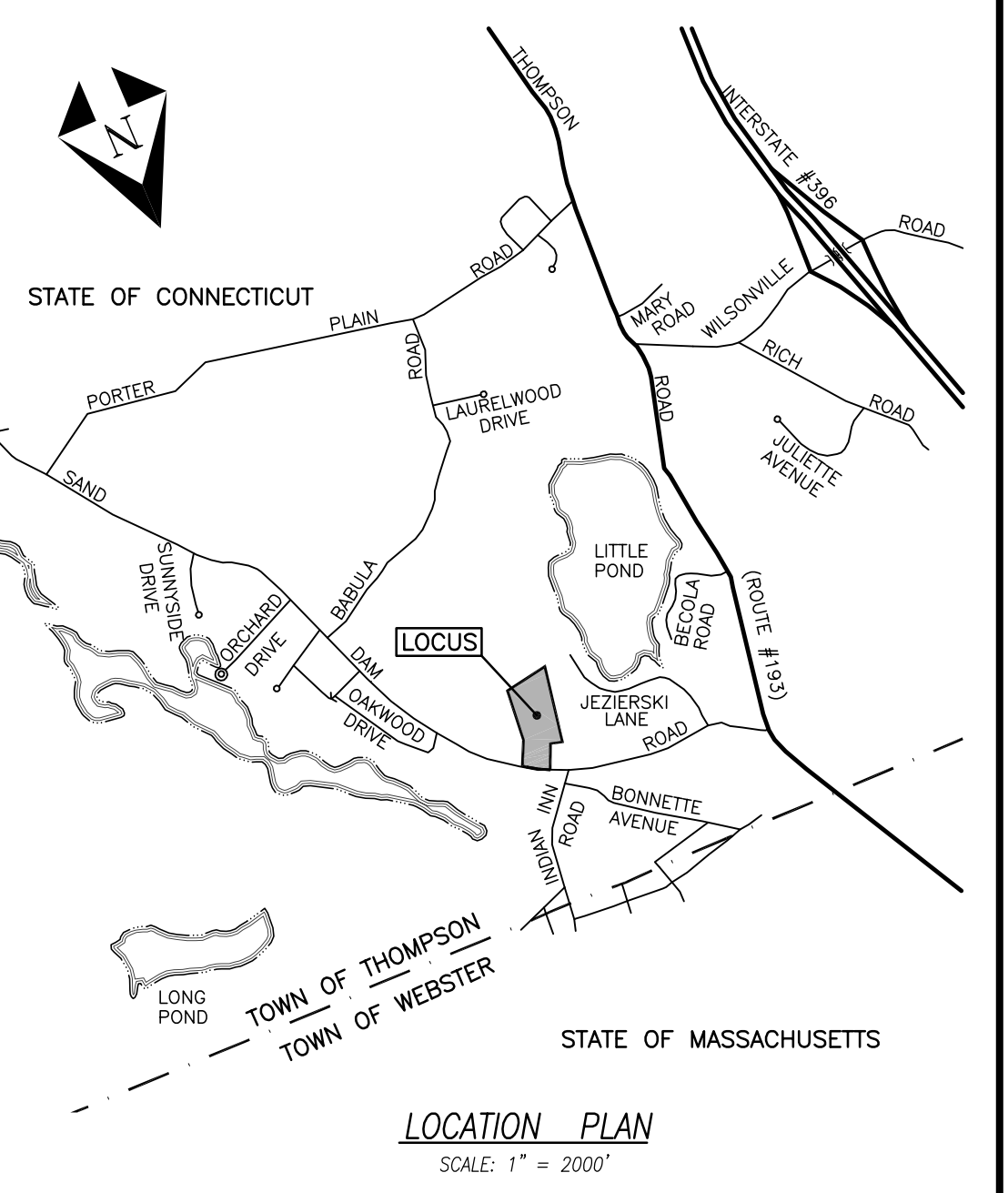
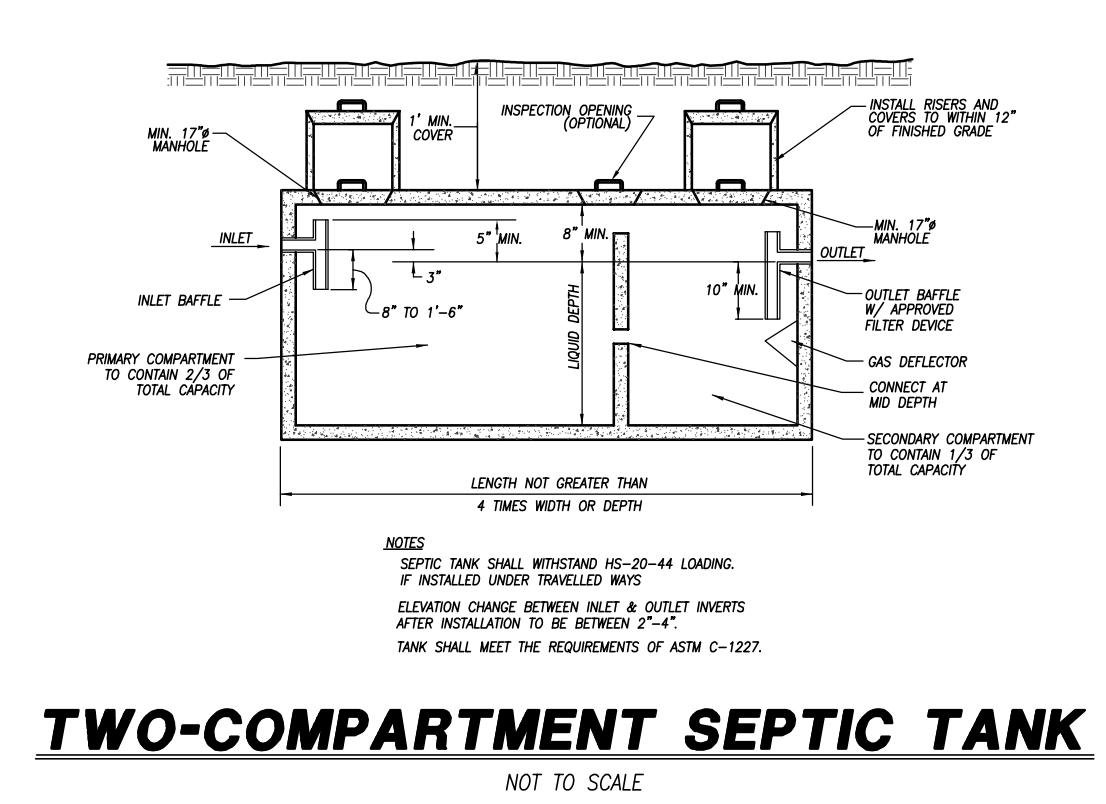
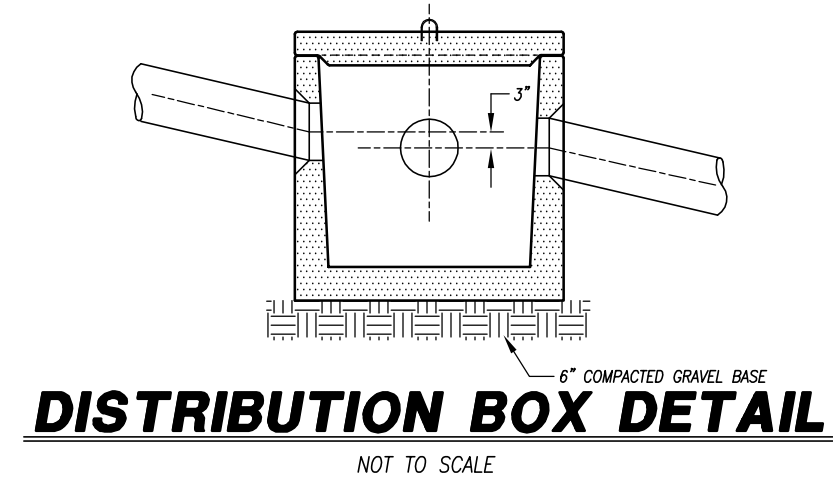
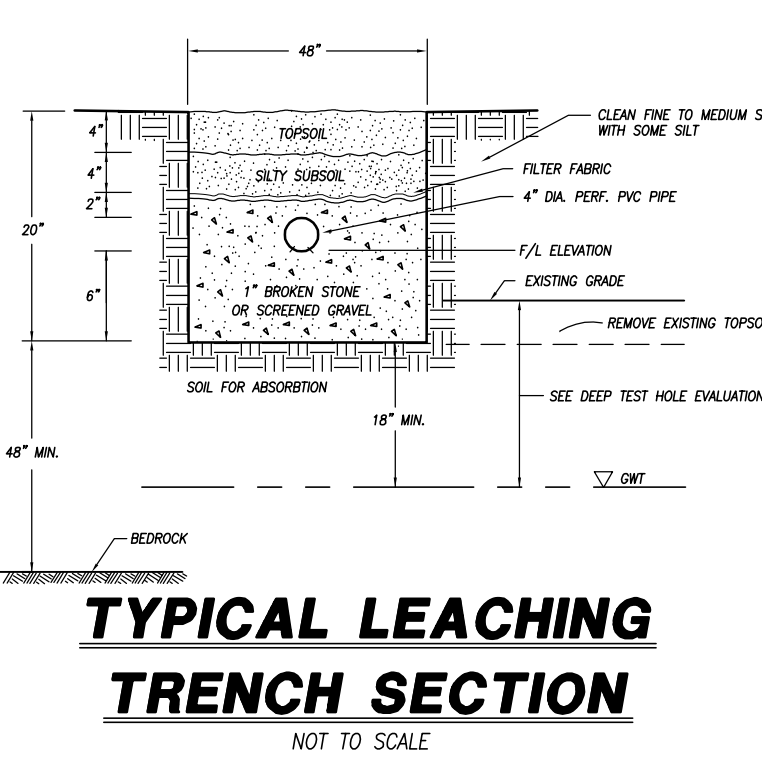
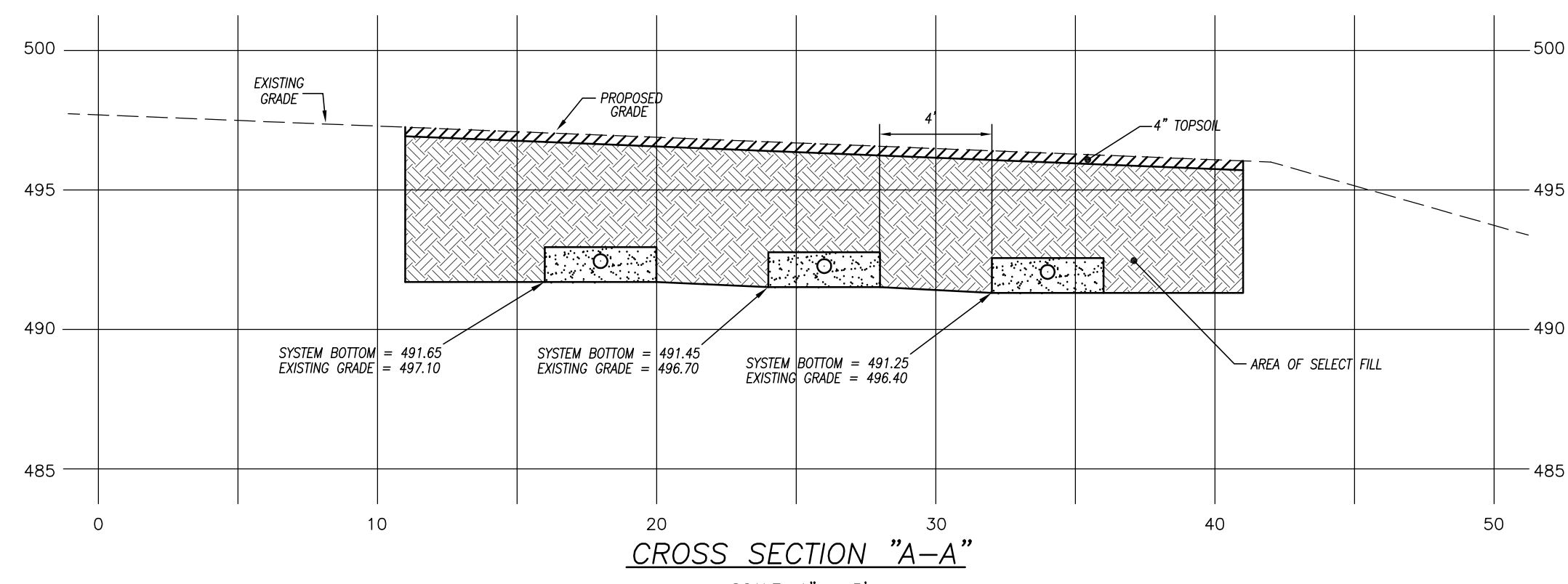
Sincerely,



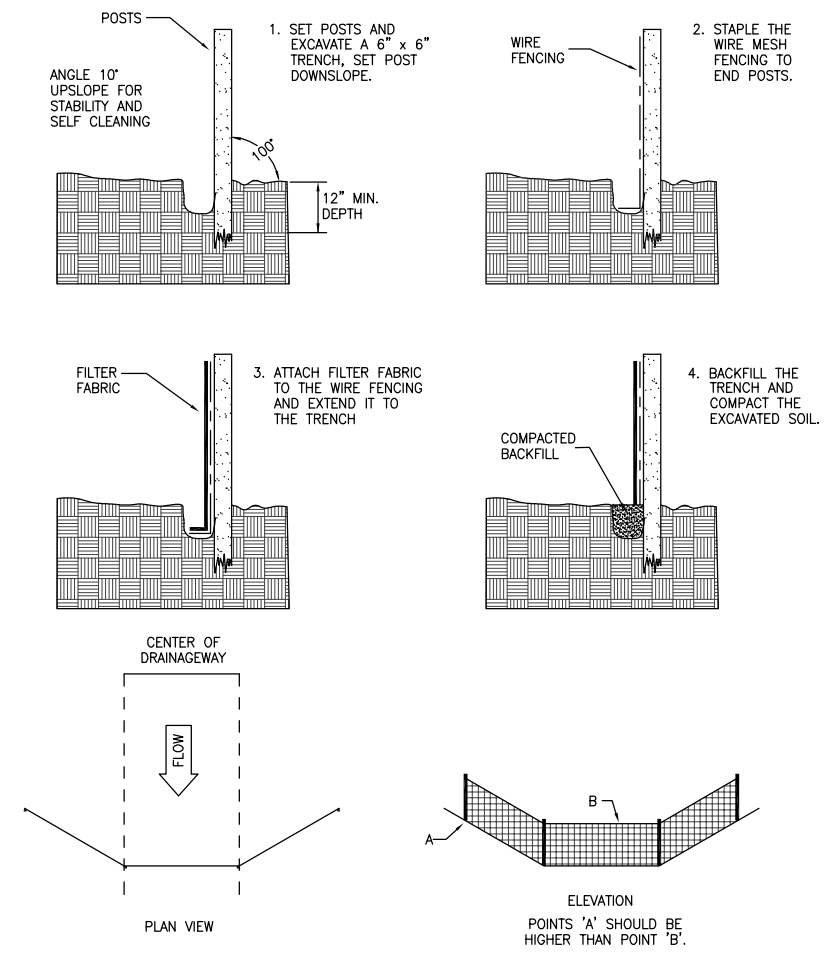
Dawn M. McKay
Environmental Analyst 3

Agenda Item E.a) 6. 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, under review pending receipt of additional information.

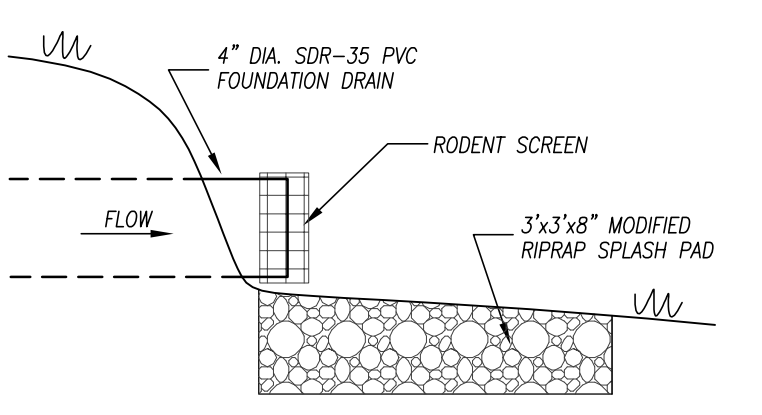


- EROSION & SEDIMENTATION NOTES AND SEQUENCE OF OPERATIONS**
- The proposed activity consists of the construction of a 3 bedroom house, driveway, septic system and well.
 - Prior to any construction, excavation or filling, all improvements shall be accurately staked in the field by a land surveyor registered 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\"/>



SILT FENCE
NOT TO SCALE

n/f
John Trull et al



FOUNDATION DRAIN OUTLET
NOT TO SCALE

- Schedule of construction activities:

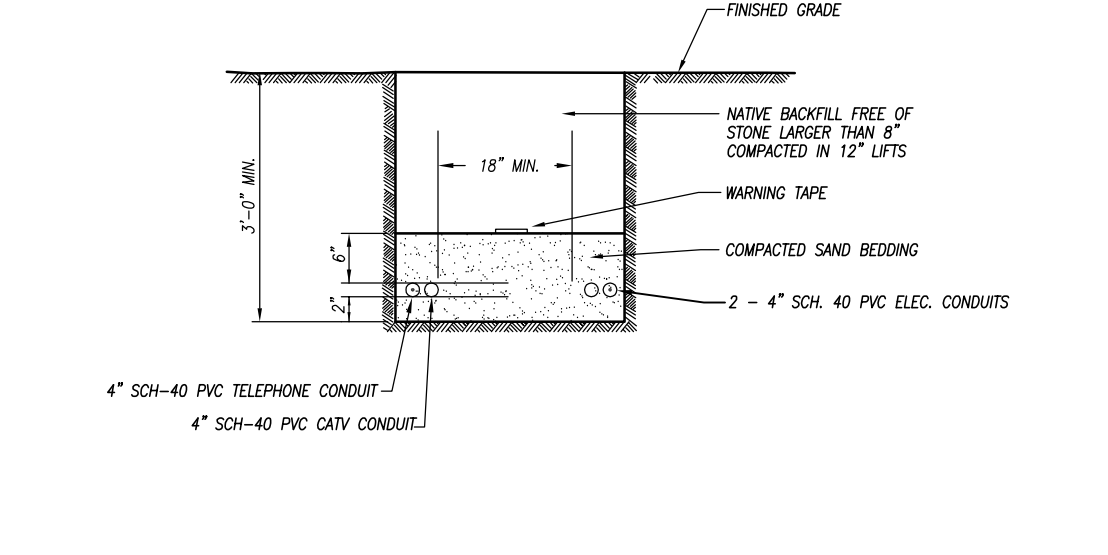
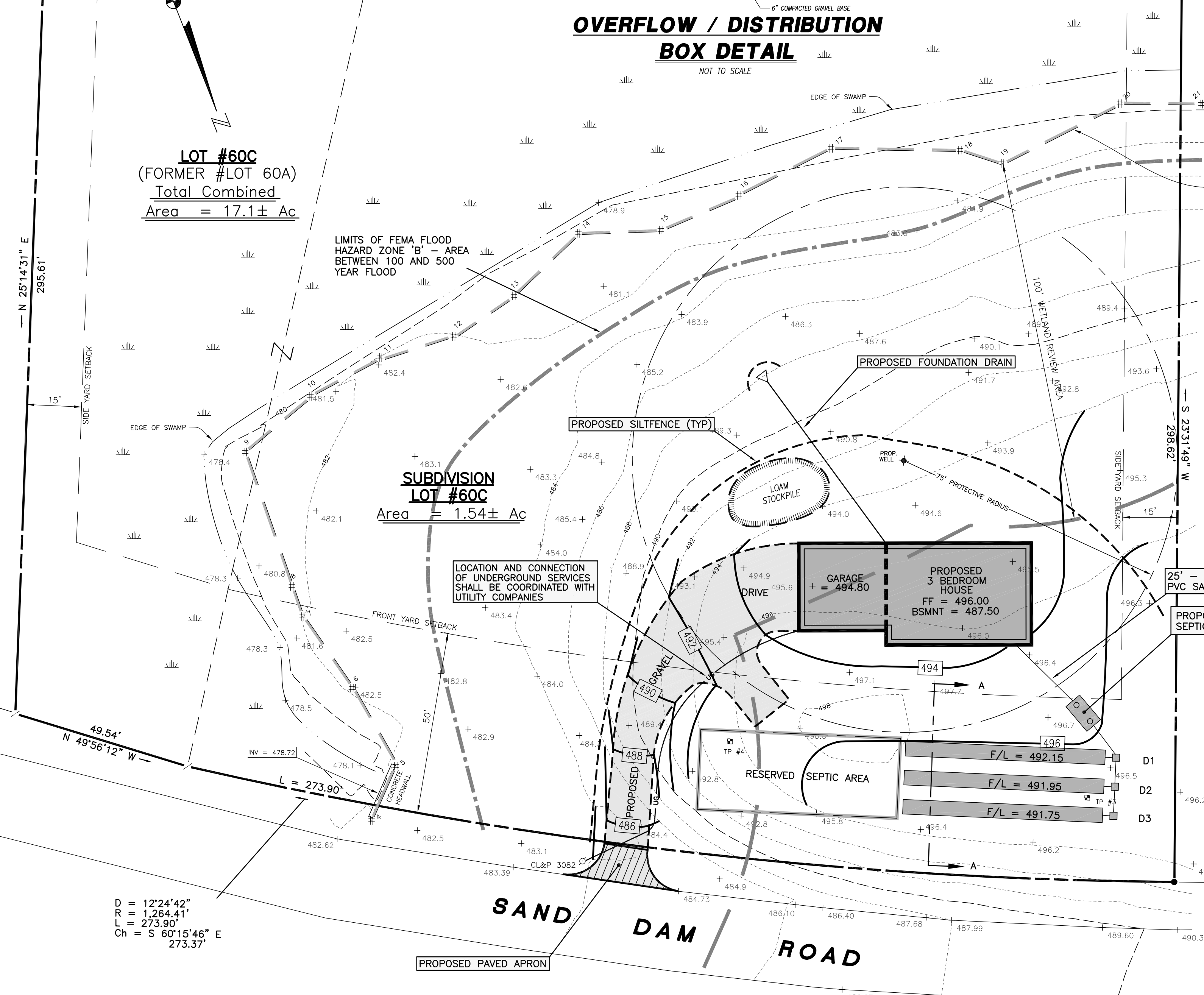
Lot Clearing:	July 1 - July 15
Well Drilling:	July 1 - July 15
Site Grading and Foundation Construction:	July 15 - Aug 1
Driveway and Septic System Installation:	Aug 1 - Aug 15
Building Construction:	Aug 1 - Oct 1
Loam and Seeding:	Oct 1 - Oct 15

- 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.

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



U/G UTILITIES CONDUIT IN TRENCH
NOT TO SCALE

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

W P associates
610 BOX 106, WEST COAST CT 06259
DAVID A. SMITH, P.E. #14173 DATE 6/10/2020
NOT VALID UNLESS SEAL IS AFFIXED HERETO

To my knowledge and belief, this map is substantially correct as noted herein.
Bruce D. Woodis 6/10/2020
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.

SOIL PIPE @ BUILDING
F/L = 493.40

SEPTIC TANK
1000 GALLON
TWO COMPARTMENT
F/L IN = 492.90
F/L OUT = 492.65

DISTRIBUTION BOXES
D-1 (OVERFLOW)
F/L IN = 492.15
F/L OUT = 492.40
D-2 (OVERFLOW)
F/L IN = 491.95
F/L OUT = 492.20
D-3 (STANDARD)
F/L IN = 492.00
F/L OUT = 491.75

DEEP TEST HOLE EVALUATION - June 2, 2020
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
	Ledge	N/A
4	0" - 9"	Topsoil
	9" - 23"	Orange Brown Gravelly Loamy Fine Sand
	23" - 64"	Gravelly Coarse Sand
	64" - 94"	Medium Sand
	Ledge	N/A
OWT		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	22 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"

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

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

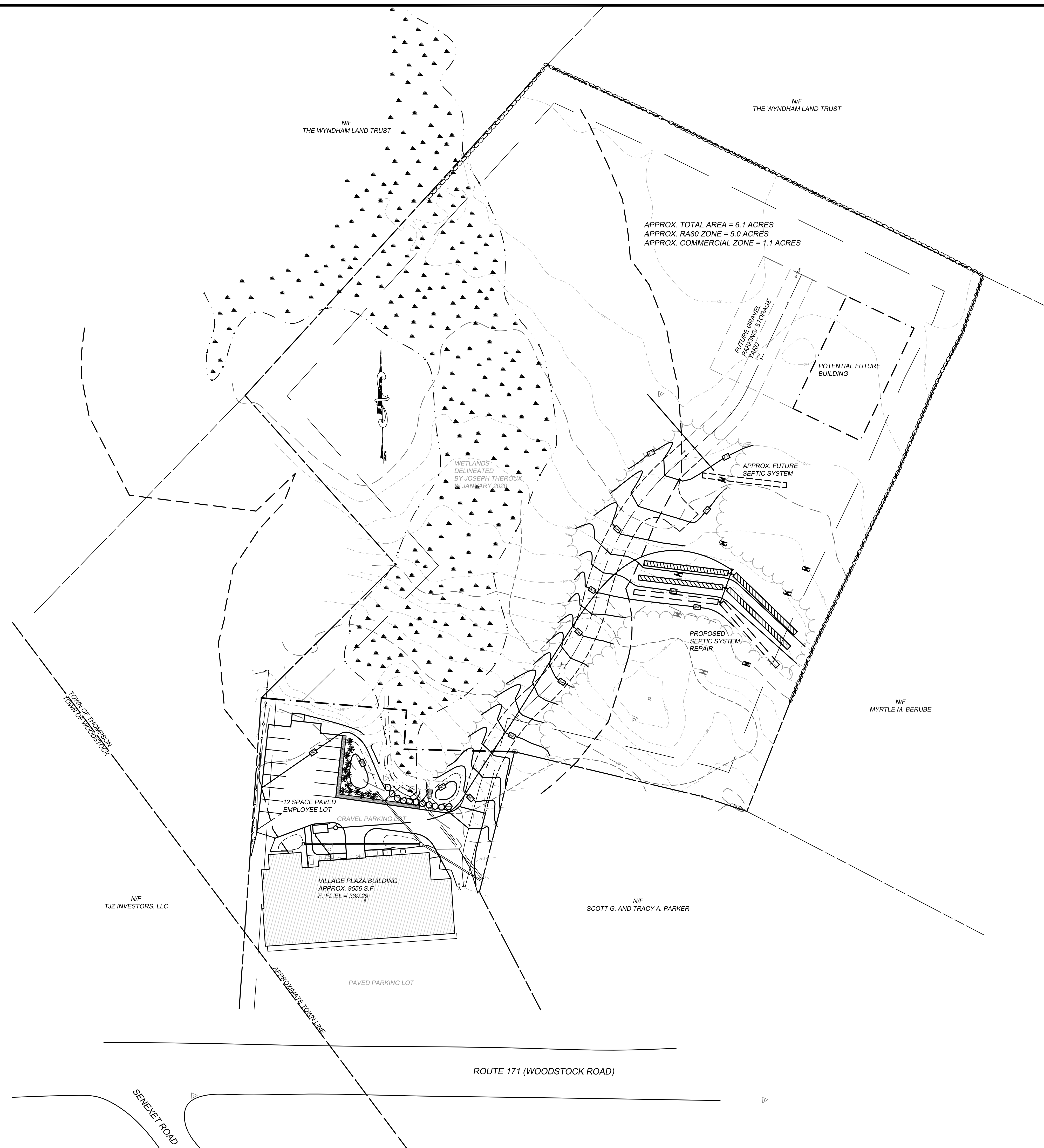
SCALE: 1" = 20'
DATE: 6/10/2020
SHEET: 1 OF 1
PROJ # 20017 FB: -
Dwn: JES Chk:

Agenda Item E.a) 7. Old Applications

WAA20025, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's Map 103, Block 31, Lot 6H, subdivision lot 8), construct and discharge footing drain in 100-foot upland review area for a new single family home, stamped received 7/6/2020, issued 7/10/2020, legal notice published 7/17/2020, appeal period ended 8/1/2020.

Agenda Item E.a) 8. Old Applications

WAA20026, 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, under review.



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, PERFORMED IN FEBRUARY 2020

HORIZONTAL ACCURACY: CLASS B

TOPOGRAPHIC CLASS: T-2

PURPOSE: DESIGN OF AN ENGINEERED SEPTIC SYSTEM REPAIR AND PARKING LOT GRADING.

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

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

3. REFERENCE PLANS:

(A) SITE DEVELOPMENT PLAN, PREPARED FOR SCOTT G. PARKER AND TRACY A. PARKER, ROUTE #171 (WOODSTOCK ROAD), THOMPSON, CONNECTICUT, PREPARED BY PC SURVEY ASSOCIATES, DATED JULY 2014, SCALE 1" = 20'.

(B) IMPROVEMENT LOCATION PLAN, PREPARED FOR MACKEY'S INC. #7 CONNECTICUT ROUTE 171, WOODSTOCK/THOMPSON, CONNECTICUT, PREPARED BY MESSIER & ASSOCIATES, INC. DATED OCTOBER 2013, SCALE 1" = 20'. ON FILE WITH TOWN CLERK AS MAP #2392.

4. LIMIT OF FIELD TOPOGRAPHY: INSTRUMENT FIELD TOPOGRAPHY WAS PERFORMED TO THE REAR OF THE BUILDING AND EAST OF THE WETLANDS. CONTOURS TO THE WEST OF THE EASTERN WETLAND EDGE ARE APPROXIMATE AND WERE OBTAINED FROM THOMPSON GIS.

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

LEGEND

- BUILDING SETBACK LINE
- - - PROPERTY LINE
- - - EXISTING CONTOUR LINE
- - - 246 - - - PROPOSED CONTOUR LINE
- - - EDGE OF WETLANDS
- - - WETLAND BUFFER/UPLAND REVIEW AREA
- ⊠ TEST PIT
- ▨ LEACHING TRENCH
- STONEMALL
- UTILITIES
- ~ TREELINE

VICINITY PLAN
 PREPARED FOR
WOODSTOCK BUILDING ASSOCIATES
 22 WOODSTOCK ROAD, THOMPSON, CT
 MAP 29 BLOCK 104 LOT 23

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

DESIGNED: JJB	REVISIONS:
CHECKED: DRB	
JOB NO: 20110	DATE: JULY 8, 2020
SCALE: 1" = 40'	SHEET: 1 OF 4

TEST PIT RESULTS

INVESTIGATED BY: SHERRY MCGANN, R.S.
DATE: MAY 7, 2020
PIT NO. 1

0 - 9" TOPSOIL
9 - 34" OB FINE SANDY LOAM
34 - 84" GR COMPACT SANDY PAN WITH STONES AND BOULDERS
84 - 85" GROUND WATER

MOTTLING: 34"
WATER: 84" SEEPS AT 59"
LEDGE: N/A
ROOTS: 34"

PIT NO. 2

0 - 7" TOPSOIL
7 - 36" OB FINE SANDY LOAM
36 - 56" GR LOAMY FINE SAND WITH GRAVEL STONES
56 - 72" GROUND WATER

MOTTLING: 36"
WATER: 56" SEEPS AT 38"
LEDGE: N/A
ROOTS: 36"

PIT NO. 3

0 - 6" TOPSOIL
6 - 36" OB FINE SANDY LOAM
36 - 63" GR LOAMY SAND WITH GRAVEL, STONES AND BOULDERS
63 - 75" GROUND WATER

MOTTLING: 36"
WATER: 63" SEEPS AT 40"
LEDGE: N/A
ROOTS: 36"

PIT NO. 4

0 - 7" TOPSOIL
7 - 30" OB FINE SANDY LOAM
30 - 70" GR COMPACT SANDY PAN WITH STONES AND BOULDERS
70 - 78" GROUND WATER

MOTTLING: 30"
WATER: 70" SEEPS AT 60"
LEDGE: N/A
ROOTS: 36"

PIT NO. 5

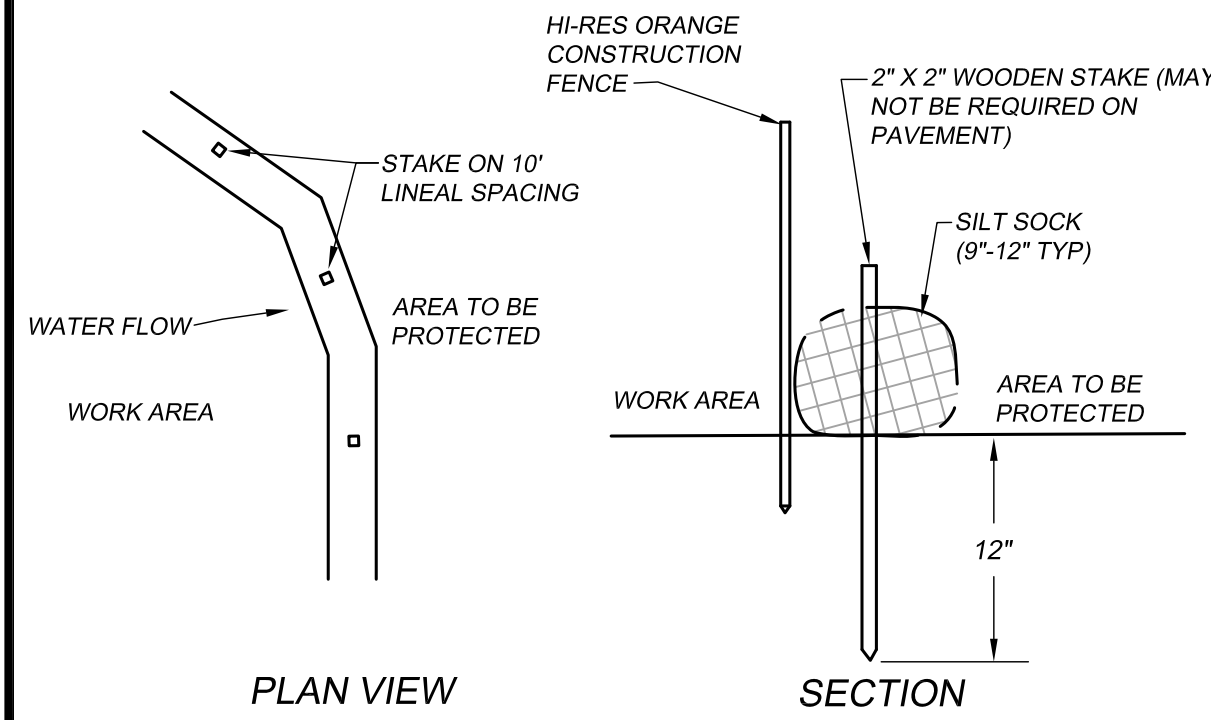
0 - 8" TOPSOIL
8 - 25" OB FINE SANDY LOAM
25 - 82" GR COMPACT SANDY PAN WITH STONES AND BOULDERS
82 - 94" GROUND WATER

MOTTLING: 25"
WATER: 82" SEEPS AT 70"
LEDGE: N/A
ROOTS: 25"

PIT NO. 6

0 - 6" TOPSOIL
6 - 24" OB FINE SANDY LOAM
24 - 38" YB FINE SANDY LOAM
38 - 84" GR LOAMY FINE SAND WITH GRAVEL, COBBLES, STONES, BOULDERS
84 - 85" GROUND WATER

MOTTLING: 38"
WATER: 84" SEEPS AT 78"
LEDGE: N/A
ROOTS: 38"



NOTES

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

SILT SOCK DETAIL
NOT TO SCALE

PERC. TEST RESULTS

INVESTIGATED BY: SHERRY MCGANN, R.S.
DATE: MAY 7, 2020

HOLE A - NEAR TP4

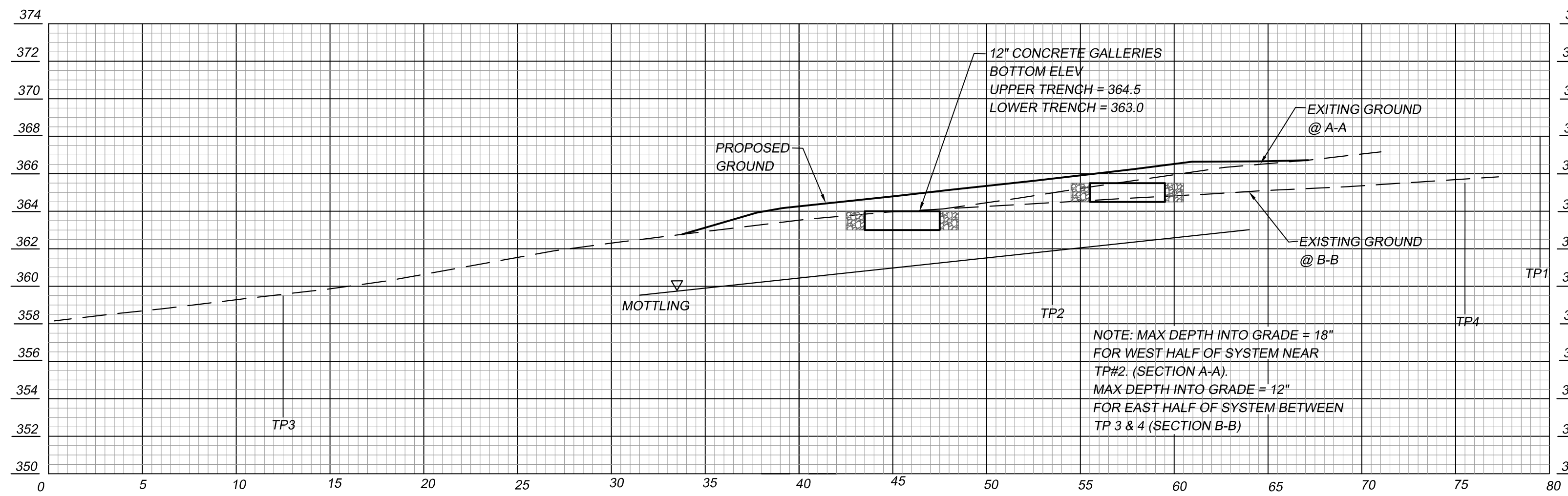
TIME	READING
2:20	11 1/2"
2:30	13 3/4"
2:40	15"
2:50	16 1/4"
3:00	17 1/2"
3:10	18 3/4"

DEPTH: 24"
PRE-SOAK: YES
RATE: 8 MIN/IN

HOLE B - NEAR TP6

TIME	READING
3:18	12 3/4"
3:28	15"
3:38	16 1/4"
3:48	17 1/2"
3:58	18 1/2"

DEPTH: 22"
PRE-SOAK: YES
RATE: 10 MIN/IN

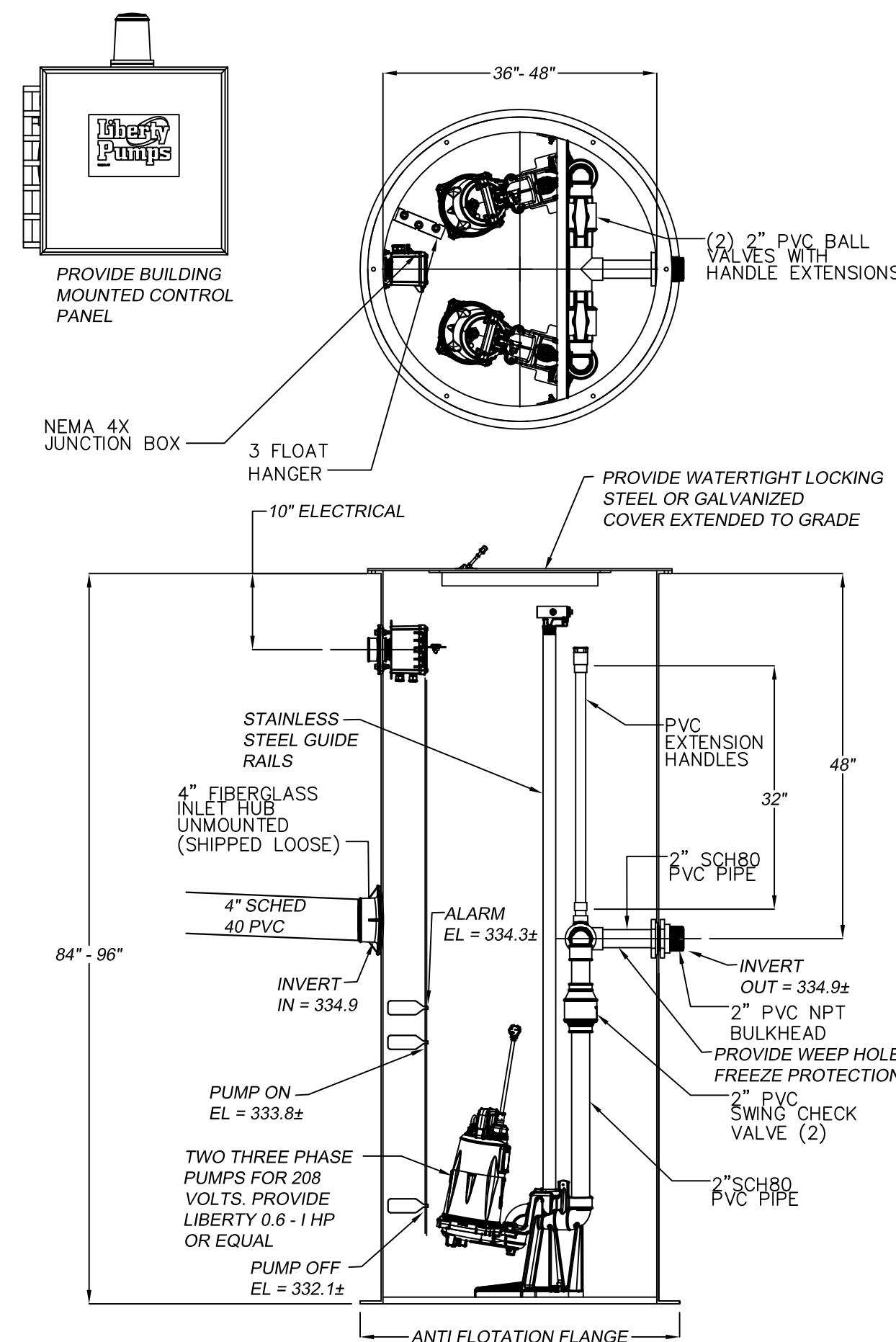


LEACHING FIELD CROSS SECTION A-A

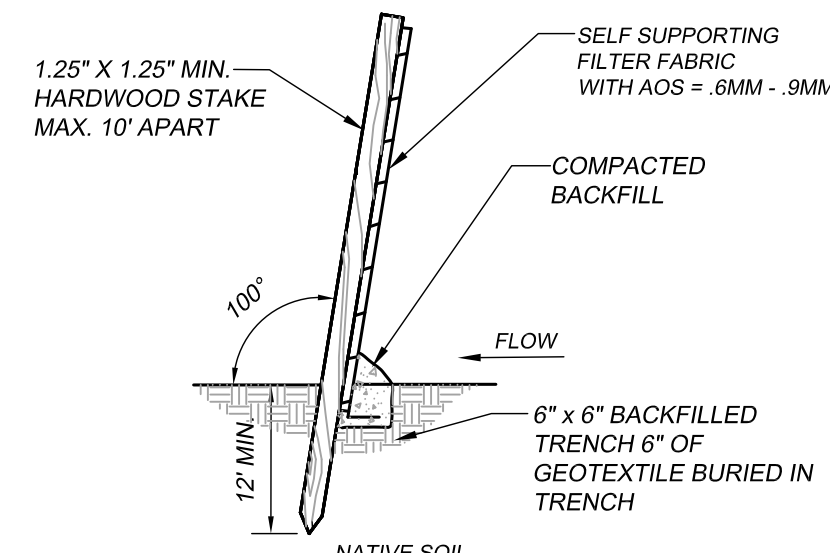
1" = 5'

PUMP STATION SPECIFICATIONS

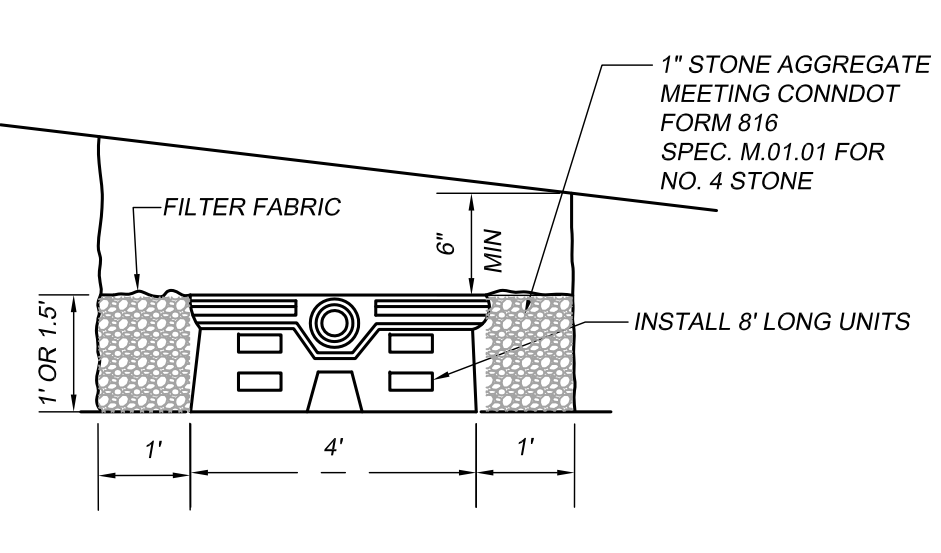
- PUMP STATION SHALL BE A PREASSEMBLED DUPLEX PACKAGE PUMP STATION CAPABLE OF MEETING THE FOLLOWING CRITERIA:
DESIGN FLOW AS PER HEALTH CODE: 1511 GPD
ESTIMATED INITIAL FLOW: 1000 GALLONS PER DAY
POTENTIAL FUTURE FLOW: 2000 GALLONS PER DAY
STATIC HEAD: 30'
FORCE MAIN LENGTH: 426'
- PUMPS SHALL BE SEPTIC TANK EFFLUENT PUMPS (STEP) WITH SOLIDS HANDLING CAPABILITY OF 3/4".
- DISCHARGE AND FORCE MAIN SHALL BE 2.0" IN DIAMETER.
- ALL EXPOSED HARDWARE SHALL BE STAINLESS STEEL.
- SUPPLY 1.25" STAINLESS STEEL GUIDE RAIL ASSEMBLY, WITH STAINLESS STEEL LIFTING CHAIN FOR EACH PUMP.
- SUPPLY A NEMA 4X BUILDING MOUNTED DUPLEX ALTERNATING CONTROL PANEL, WITH HOA SWITCH AND VISUAL AND AUDIO ALARM, AUXILIARY CONTACTS, RUNNING TIME METERS, ANTI CONDENSATION HEATER, LOCKABLE LATCH, ALARM TEST AND RESET BUTTONS, LIBERTY AE-SERIES OR EQUAL.
- FLOATS (NON-MERCURY) TO CONTROL LEAD PUMP ON/OFF, LAG PUMP ON/OFF, AND ALARM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- ALL MATERIALS, HARDWARE, AND EQUIPMENT SHALL MEET ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- FIBERGLASS PUMP STATIONS SHALL BE SUPPLIED WITH ANTI FLOTATION FLANGE WITH FLOTATION CALCULATIONS SHOWING AMOUNT OF CONCRETE REQUIRED AND SHALL COMPLY WITH ALL MARKING REQUIREMENTS OF V.1.b OF THE CT HEALTH CODE TECHNICAL STANDARDS.
- THE CONTRACTOR SHALL SUPPLY SHOP DRAWINGS WHICH INDICATE THE FLOAT ELEVATION SETTINGS AND THE PUMP RUN TIME AND CYCLES PER DAY FOR THE GIVEN SETTINGS FOR INITIAL AND FUTURE FLOW CONDITIONS.
- CONTRACTOR SHALL SUPPLY AND INSTALL PUMPS, PIPING, CHAMBERS, WIRING, CONTROLS, VALVES AND MISCELLANEOUS ITEMS NECESSARY TO RESULT IN A FULLY FUNCTIONAL PUMP STATION.
- PROVIDE WATERTIGHT STEEL GALVANIZED LOCKABLE HATCH COVER EXTENDED TO GRADE.
- PROVIDE UP TO 8 HOURS OF START UP SERVICES.
- ADDRESS ODOR CONTROL WITH GAS TIGHT COVER OR VENT WITH CHARCOAL FILTER.
- MANUFACTURER SHALL PROVIDE 12 MONTHS WARRANTY COMMENCING ON THE DAY OF START-UP.
- FORCE MAIN SHALL BE 2" HDPE SDR 17, 100 PSI. ALTERNATE PIPES SHALL BE ANALYZED AS TO FLOW AND HEAD LOSS.



FIBERGLASS DUPLICATE ALTERNATING PUMP STATION
N.T.S.



SILT FENCE INSTALLATION
NOT TO SCALE



CONCRETE FLOW DIFFUSOR
NOT TO SCALE

SEPTIC SYSTEM DESIGN CRITERIA

DESIGN FLOW CALCULATIONS:

HAIR SALON WITH 2 STYLING CHAIRS @ 200 GPD/CHAIR PLUS 5 BARBER CHAIRS @ 50 GPD/CHAIR = 650 GPD
8606 SF OFFICE WITH 200 SF PER EMPLOYEE AND 20 GPD PER EMPLOYEE = 861 GPD
TOTAL DESIGN FLOW = 650 + 861 = 1511 GPD
SEPTIC TANK: USE 2000 GALLON
PERC RATE: 8-10 MINS/INCH
MOTTLING (TP 1,2,3, AND 4): 30"-36" (AVERAGE 34"), LEDGE: N/A, WATER: SEEPS 38" - 70", RL: USE 31.75", SLOPE: 10.1% - 15.0%
EFFECTIVE LEACHING AREA REQUIRED (ELA):
PROBLEMATIC TABLE 7: FLOW TO BE USED FOR 2 STYLING CHAIRS (400 GPD) 400 GPD/0.8 SF PER GPD = 500 SF
NON PROBLEMATIC TABLE 8: REMAINDER OF TOTAL GPD = 1111 GPD, 1111 GPD/1.5 SF PER GPD = 741 SF
TOTAL ELA REQUIRED = 500 SF + 741 SF = 1241 SF

LEACHING AREA PROVIDED: 272' OF 12" CONCRETE GALLERIES @ 5.9 SF/LF = 1604.8 SF

LSS (PRIMARY) = 10" (HF=20, PF=1.0, FF=5.04)

LSS PROVIDED = 136"

SPECIFICATIONS

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

THE SEPTIC SYSTEM, AND DRIVEWAY 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 TO GRADE.

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.

CONCRETE GALLERIES: INSTALL 12" HIGH FLOW DIFFUSORS.

POLYETHYLENE (HDPE) FORCE MAIN SHALL BE SDR 75 (RATED FOR 100 PSI). PROVIDE 2" MINIMUM COVER

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.

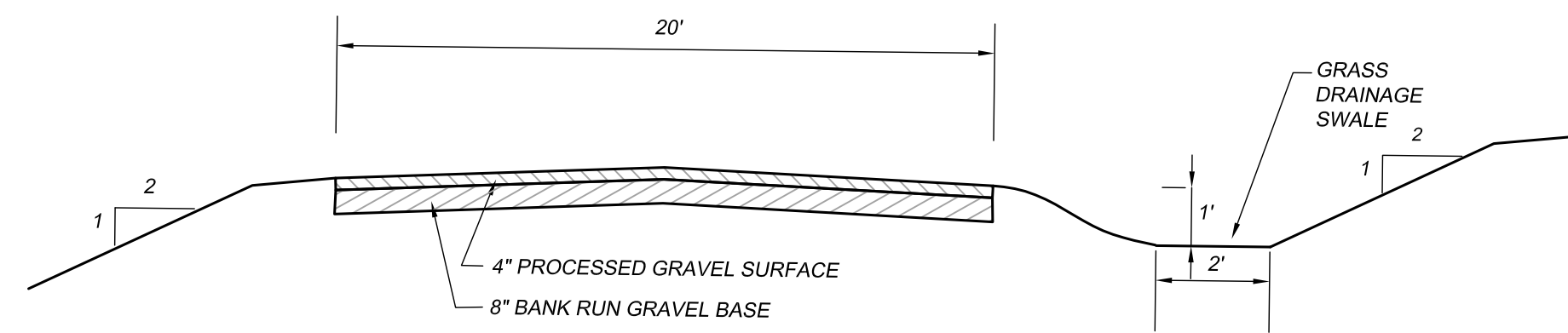
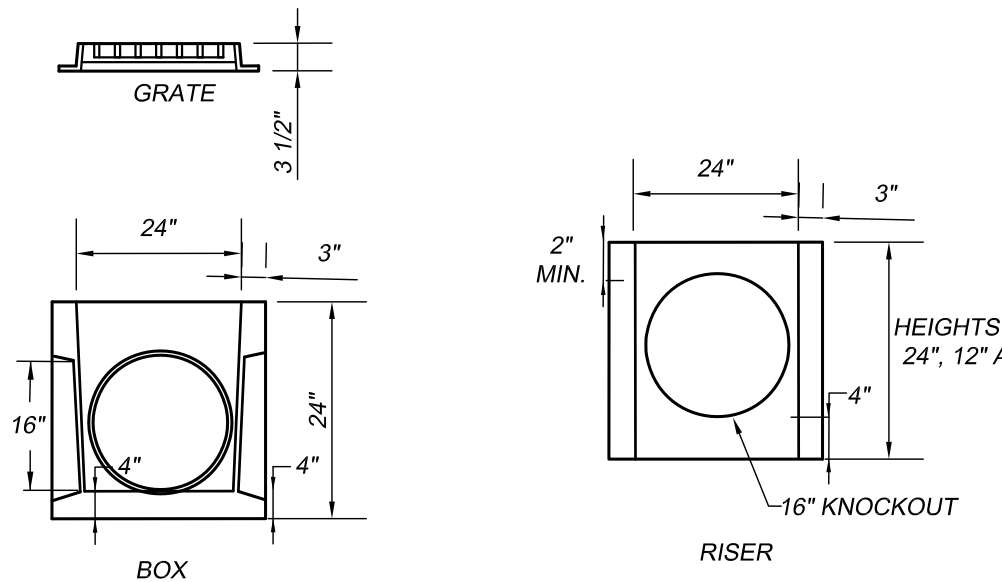
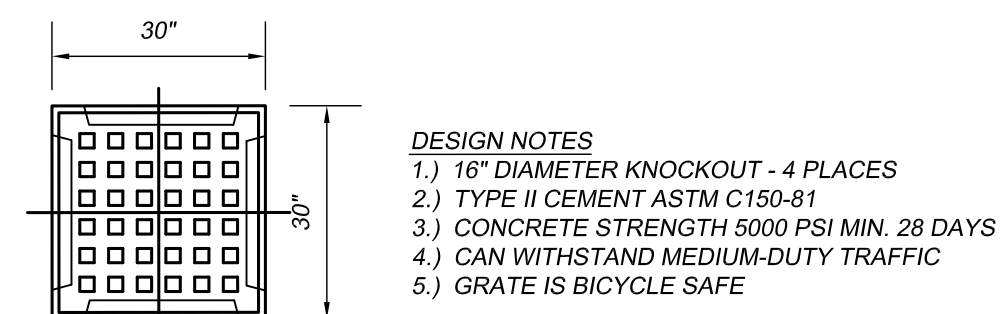
EROSION AND SEDIMENT CONTROL NOTES:

- THE PROPOSED ACTIVITY ON THE SITE WILL CONSIST OF THE CONSTRUCTION OF A SEPTIC SYSTEM AND DRIVEWAY.
- EROSION CONTROL DEVICES MUST BE INSTALLED WHERE INDICATED ON THIS SHEET PRIOR TO THE START OF CONSTRUCTION.
- DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SEEDED OR STABILIZED WITH TEMPORARY MULCH AS SOON AS FINAL GRADES HAVE BEEN ATTAINED.
- 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.

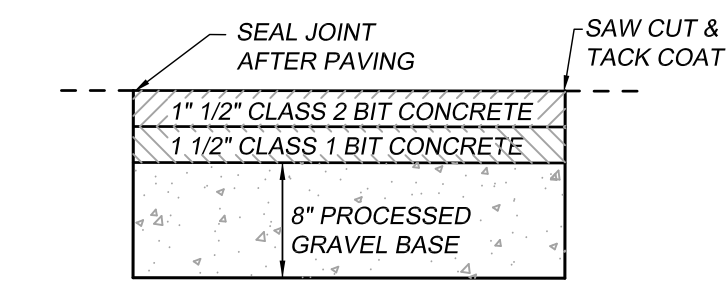
**SEPTIC SYSTEM AND E & S
DETAILS AND NOTES
PREPARED FOR
WOODSTOCK BUILDING ASSOCIATES
22 WOODSTOCK ROAD, THOMPSON, CT**

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

DESIGNED: JJB	REVISIONS:
CHECKED: DRB	
JOB NO: 20110	DATE: JULY 8, 2020
SCALE: 1" = 20'	SHEET: 3 OF 4



GRAVEL DRIVEWAY SECTION
NOT TO SCALE



BITUMINOUS PAVEMENT SECTION
NOT TO SCALE

RAIN GARDEN NOTES:

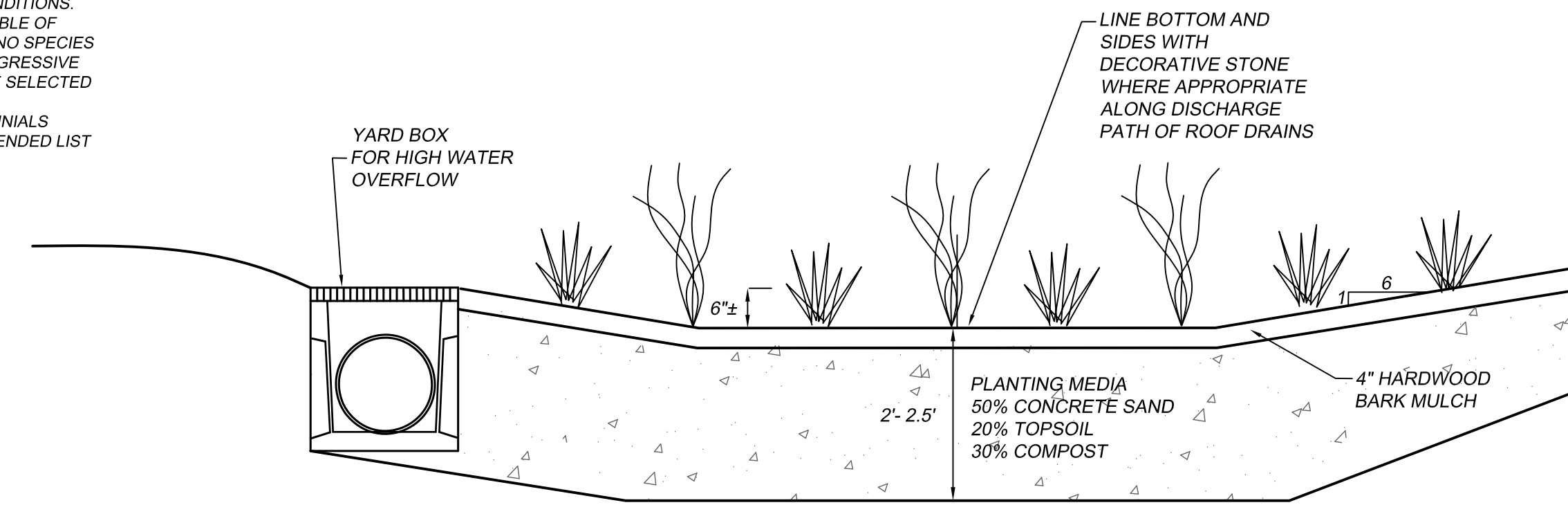
THE PLANTS WITHIN THE RAIN GARDEN WILL BE SUBJECT TO PERIODIC FLOODING AS WELL AS DROUGHT CONDITIONS. THEREFORE ANY SPECIES PLANTED MUST BE CAPABLE OF SURVIVING UNDER VARIABLE WATER CONDITIONS. NO SPECIES LISTED AS INVASIVE IN CONNECTICUT, OR VERY AGGRESSIVE SPREADERS, SHALL BE PLANTED. PLANTS SHALL BE SELECTED AND PLANTED BY EXPERIENCED PROFESSIONAL LANDSCAPERS. A MIXTURE OF SHRUBS, AND PERENNIALS SHALL BE PLANTED. THE FOLLOWING IS A RECOMMENDED LIST OF SPECIES.

PERENNIALS

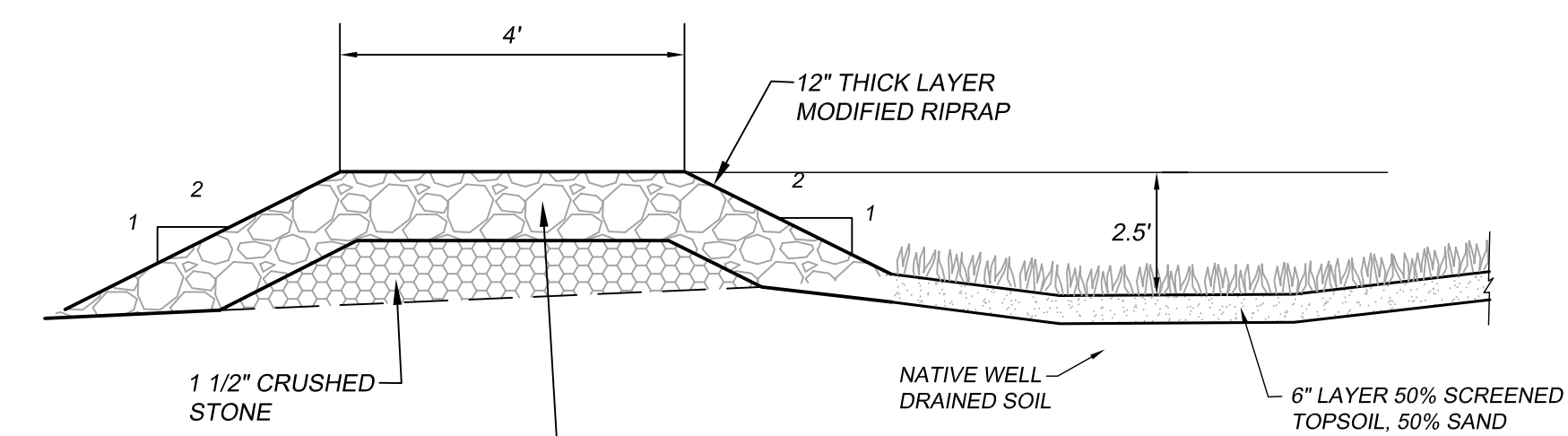
- RED COLUMBINE (AQUILEGIA CANADENSIS)
- ASTILBE (ASTILBE SPP.)
- JOE PYE WEED (EUPATORIUM FISTULOSUM)
- SPIKED GAY FEATHER (LIATRIS SPICATA)
- CINNAMON FERN (OSMUNDA CINNAMOMEA)
- ROYAL FERN (OSMUNDA REGALIS)
- BLACK-EYED SUSAN (RUDBECKIA HIRTA)
- EARLY CONEFLOWER (RUDBECKIA FULGIDA)

SHRUBS

- RED CHOKEBERRY (ARONIA ARBUTIFOLIA)
- PASTURE ROSE (ROSA CAROLINA)
- RED OSIER DOGWOOD (CORNUS SERICEA)
- INKBERRY (ILEX GLABRA)
- SPICEBUSH (LINDERA AESTIVALE BENZONI)
- PINKERBLOOM AZALEA (RHODODENDRON PERICLYMENOIDES)
- ELDERBERRY (SAMBUCUS CANADENSIS)
- LOWBUSH BLUEBERRY (VACCINIUM ANGUSTIFOLIUM)
- HIGHBUSH BLUEBERRY (VACCINIUM CORYMBOSUM)
- WITHEROD (VIBURNUM CASSINOIDES)
- ARROWWOOD (VIBURNUM DENTATUM)
- NANNYBERRY (VIBURNUM LENTAGO)
- BLACK HAW (VIBURNUM PRUNIFOLIUM)
- BUSHY ST. JOHNS WORT (HYPERICUM DENSIFLORUM)
- BLACK HUCKLEBERRY (GAYLUSSACIA BACCATA)



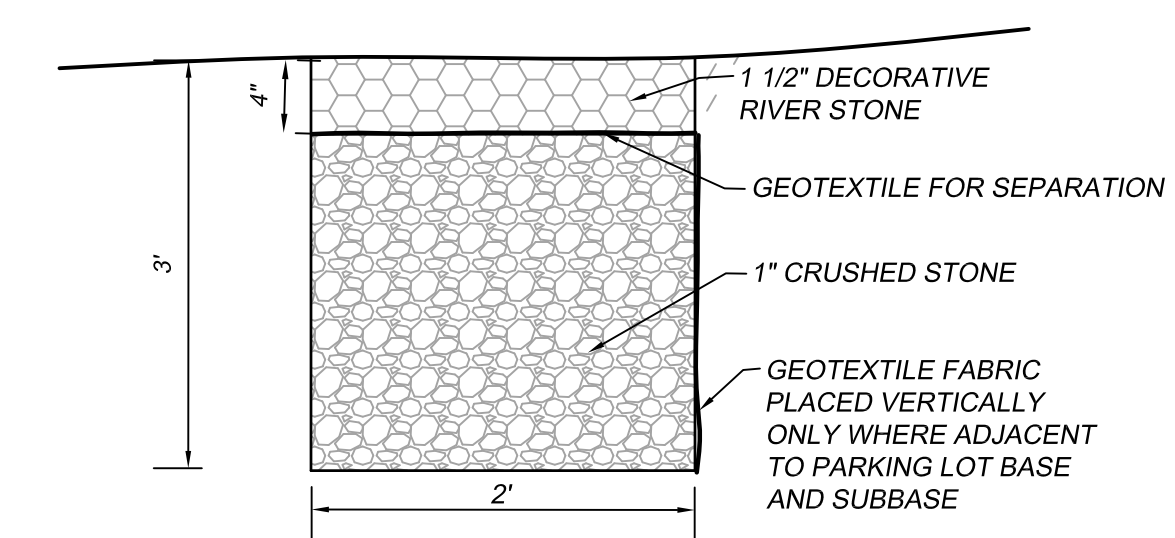
TYPICAL RAIN GARDEN CROSS SECTION
N.T.S.



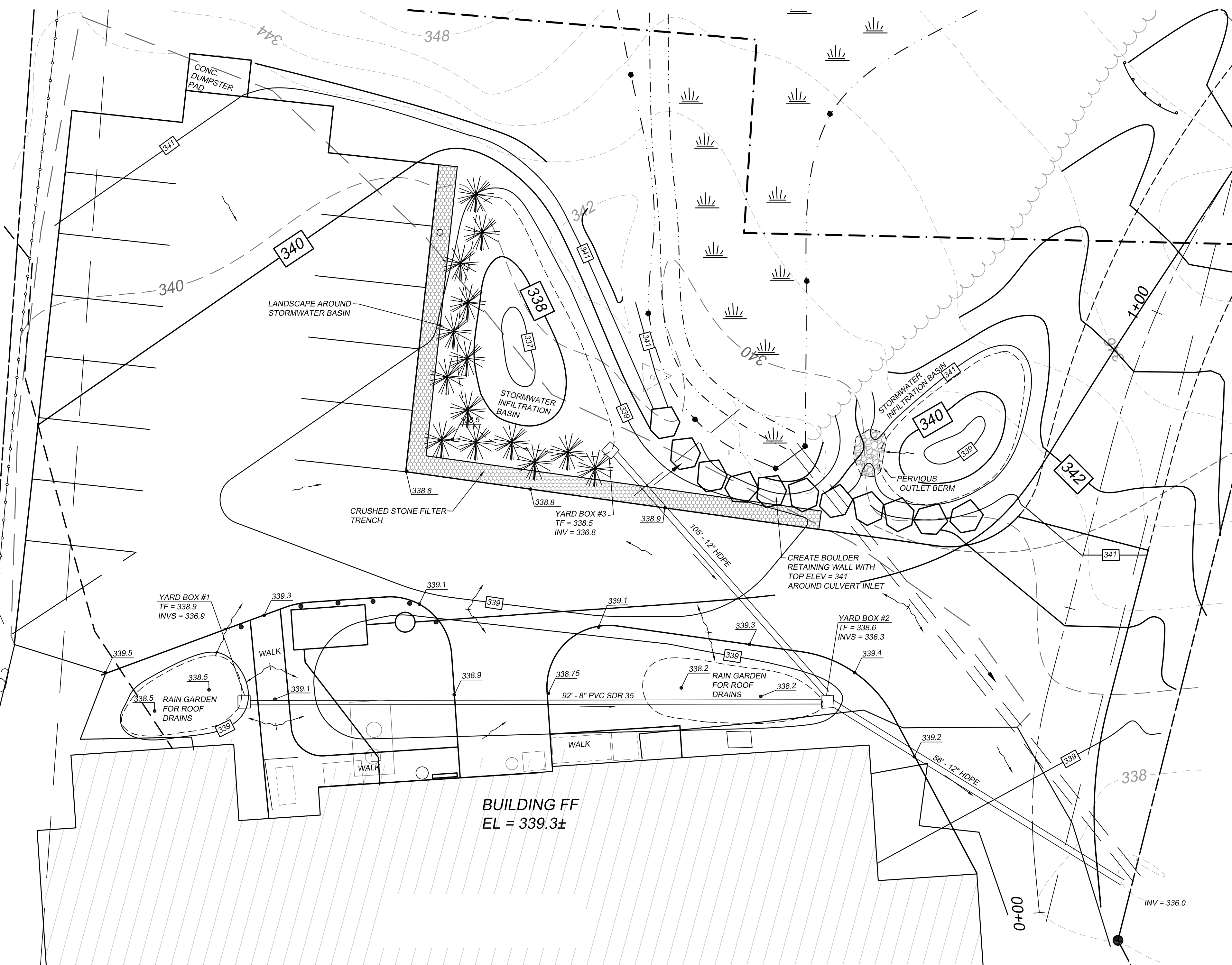
STORMWATER INFILTRATION BASIN SECTION
NOT TO SCALE

- CONSTRUCTION NOTES:**
1. PROTECT STORMWATER INFILTRATION AREAS FROM OVERCOMPACTION.
 2. AFTER EXCAVATION MINIMIZE VEHICULAR TRAFFIC.
 3. PROTECT AREA FROM SILTATION

NOTE: INFILTRATION TRENCH SHALL NOT BE INSTALLED UNTIL THE ADJACENT SURFACES ARE STABILIZED TO THE GREATEST EXTENT POSSIBLE (BINDER COURSE - MIN). PROTECT TOP OF TRENCH WITH A GEOTEXTILE OR BUILDING PAPER UNTIL ADJACENT VEGETATION IS ESTABLISHED. TOPSOIL OR SEDIMENT MUST NOT BE PERMITTED TO WASH INTO TRENCH.



CRUSHED STONE FILTER TRENCH
N.T.S.



GRADING AND DRAINAGE DETAILS
1" = 10'

**GRADING AND DRAINAGE CONSTRUCTION
DETAILS AND NOTES**
PREPARED FOR
WOODSTOCK BUILDING ASSOCIATES
22 WOODSTOCK ROAD, THOMPSON, CT

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

DESIGNED: JJB
CHECKED: DRB

REVISIONS:

JOB NO: 20110
SCALE: 1" = 20'

DATE: JULY 8, 2020
SHEET: 4 OF 4

Agenda Item E.b) 1.New Applications

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 to be published 8/14/2020

Agenda Item E.b) 2. New Applications

WAA20028, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's map 103, block 31, lot 6C, subdivision lot 3), construct a new single family home, stamped received 8/3/2020, application returned as no work was proposed in wetlands, watercourses or 100-foot upland review area.

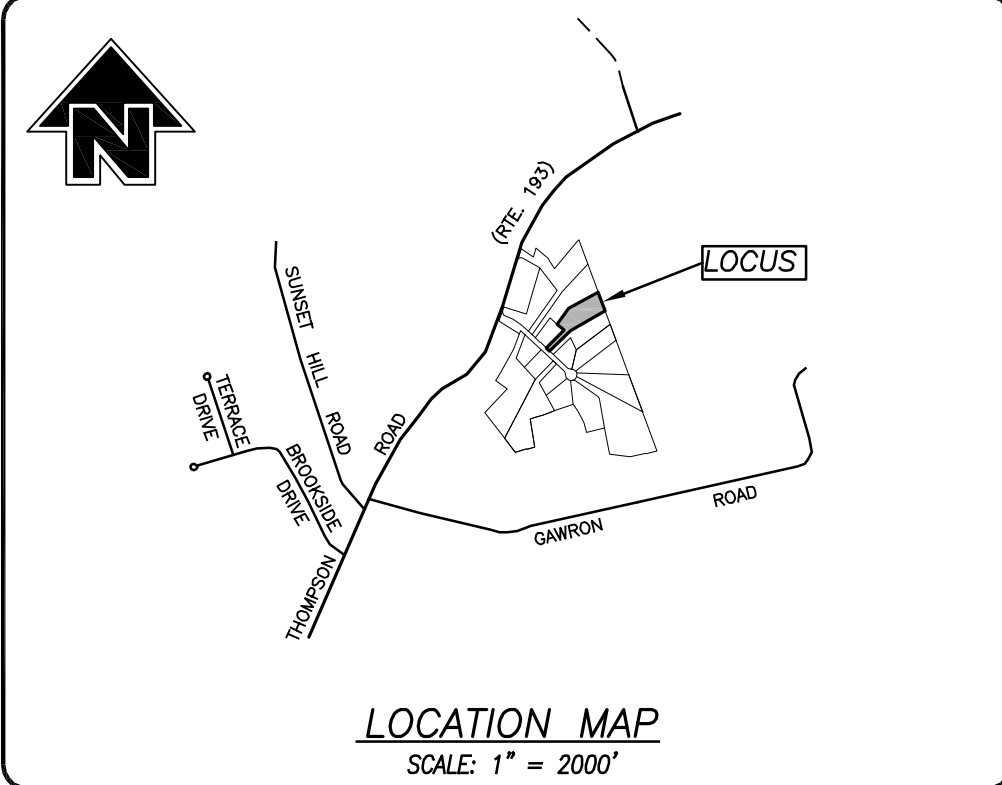
Agenda Item E.b) 3. New Applications

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, under review.

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

SEPTIC SYSTEM DESIGN DATA

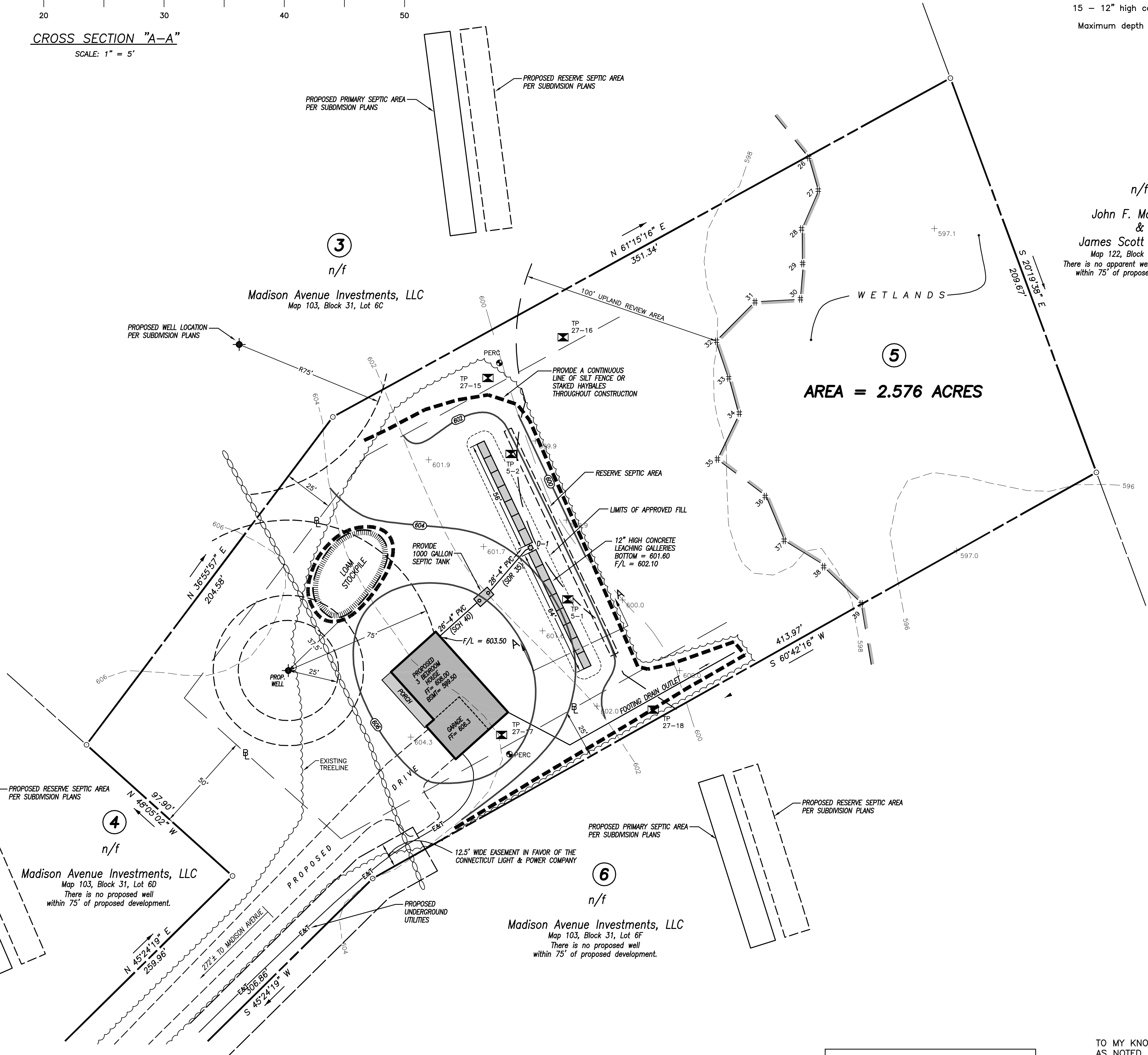
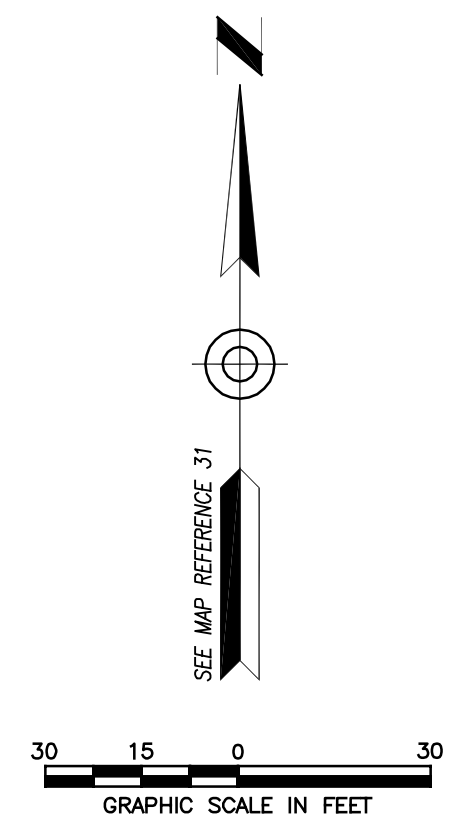
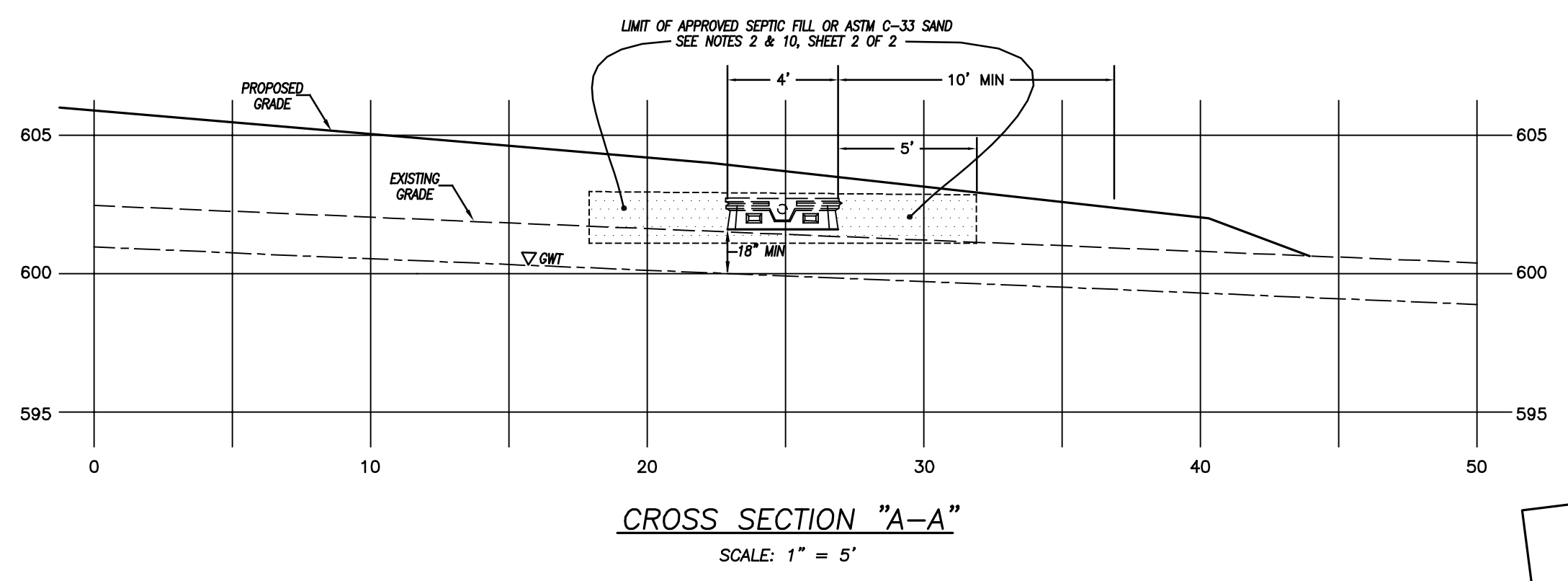
Percolation Rate = 16.0 min. / in.
 3 bedroom house requires = 675 s.f. effective leaching area
 Effective Leaching area = 5.9 s.f. / l.f. of trench
 Length Required = 675/5.9 = 114.4 l.f.
 Length Provided = 15 units @ 8 l.f. ea. = 120 l.f.
 Min. Leaching System Spread (MLSS) = 48 x 1.5 x 1.25 = 90.0'
 MLSS Provided = 120'
LEACHING FIELD
 15 - 12" high concrete galleries @ 8 l.f. each = 120 l.f.
 Maximum depth into existing grade = 0"



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

- 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 #6E, 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 and The 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: Killingly Engineering Associates." On file in the Thompson Land Records.
 - "Compilation Plan - Map Showing Easement Area To Be Granted To - The Connecticut Light & Power Company - d.b.a. Eversource Across The Property Of - Madison Avenue Investments, LLC Thompson Road (Route 193) - Thompson, Connecticut File No: E5083 - Scale: 1" = 100' - Date: 8/16/2016 - Revised to: 12/11/2018 - Sheet 1 of 1 - Prepared by: Killingly Engineering Associates." On file in the Thompson Land Records.



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 = 602.90
 F/L OUT = 602.65
DISTRIBUTION BOXES
 D-1 (STANDARD)
 F/L IN = 602.27
 F/L OUT = 602.10

DATE	DESCRIPTION

GENERAL LOCATION SURVEY
 SEPTIC SYSTEM DESIGN PLAN - LOT 5
 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: 3/19/2020	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
 - o IRON PIN FOUND
 - - - - - EXISTING CONTOURS
 - (---) PROPOSED CONTOURS
 - # INLAND WETLANDS FLAG
 - - - - - BUILDING SETBACK LINE
 - o PERCOLATION TEST HOLE
 - o TEST HOLE
 - o STONE WALL
 - - - - - SILT FENCE

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

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

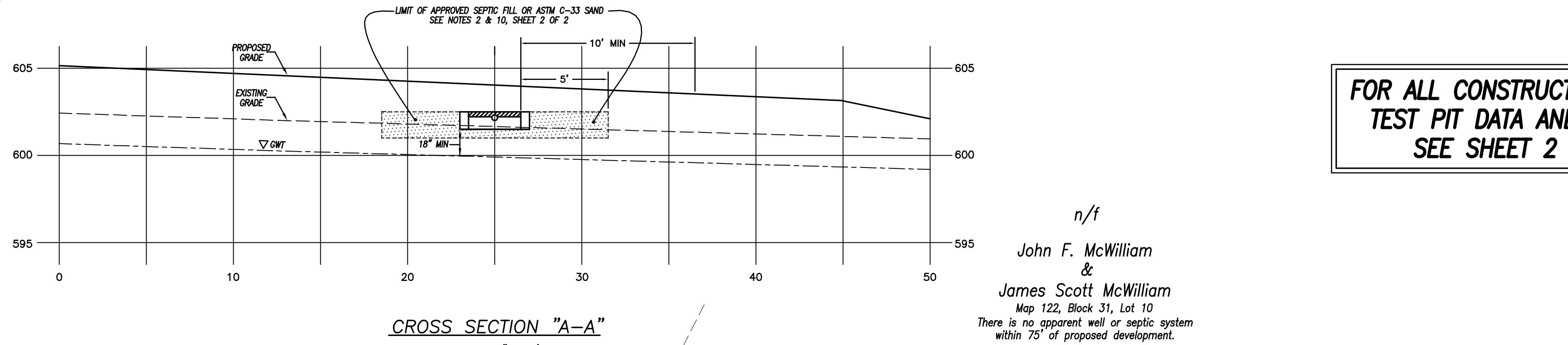
NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

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

K:\15048\Drawings\SSD\Lot 5\15048 SSD Lot 5.dwg Jul 26, 2020 - 4:33 PM

Agenda Item E.b) 4. New Applications

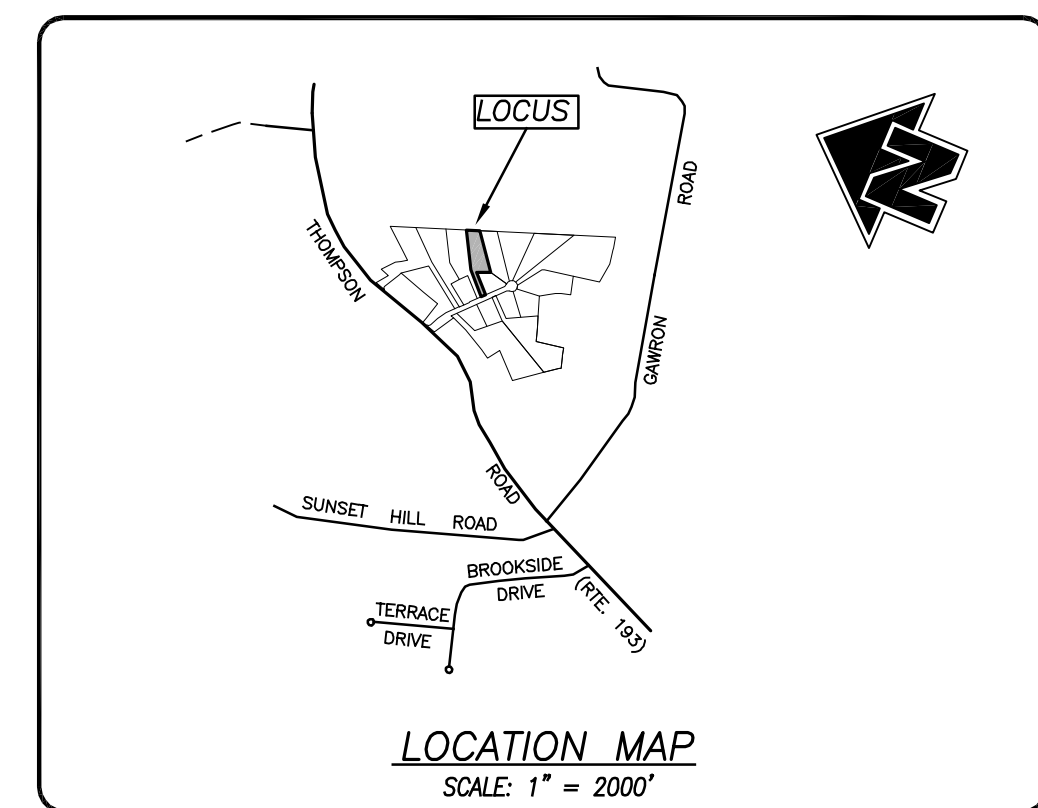
WAA20030, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's map 103, block 31, lot 6F, subdivision lot 6), footing drain for new single family home, stamped received 8/3/2020, under review.



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

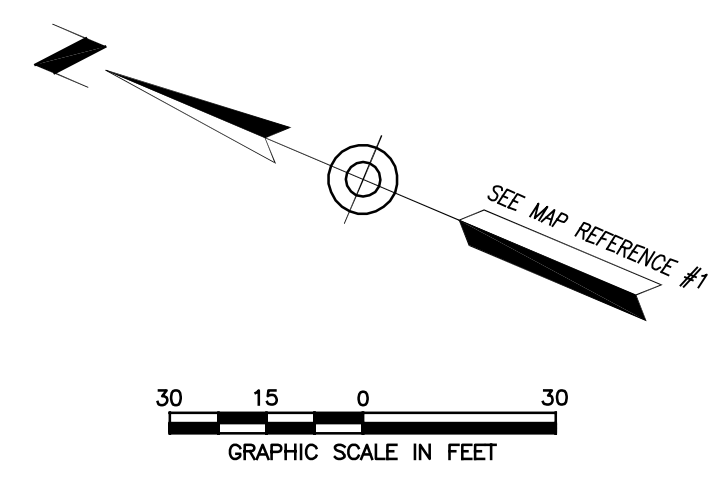
SEPTIC SYSTEM DESIGN DATA

Percolation Rate = 14.2 min. / in.
 3 bedroom house requires = 675 s.f. effective leaching area
 Effective Leaching area = 6.5 s.f. / l.f. Eljen Mantis 536-8 Low Pro
 Length Required = 675/6.5 = 103.84 l.f.
 Length Provided = 21 Units @ 5' l.f. ea. = 105 l.f.
 Min. Leaching System Spread (MLSS) = 54 x 1.5 x 1.25 = 101.25'
 MLSS Provided = 105'
LEACHING FIELD
 21 Units of Eljen Mantis 536-8 Low Pro @ 5 l.f. each = 105'
 Maximum depth into existing grade = 3'



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

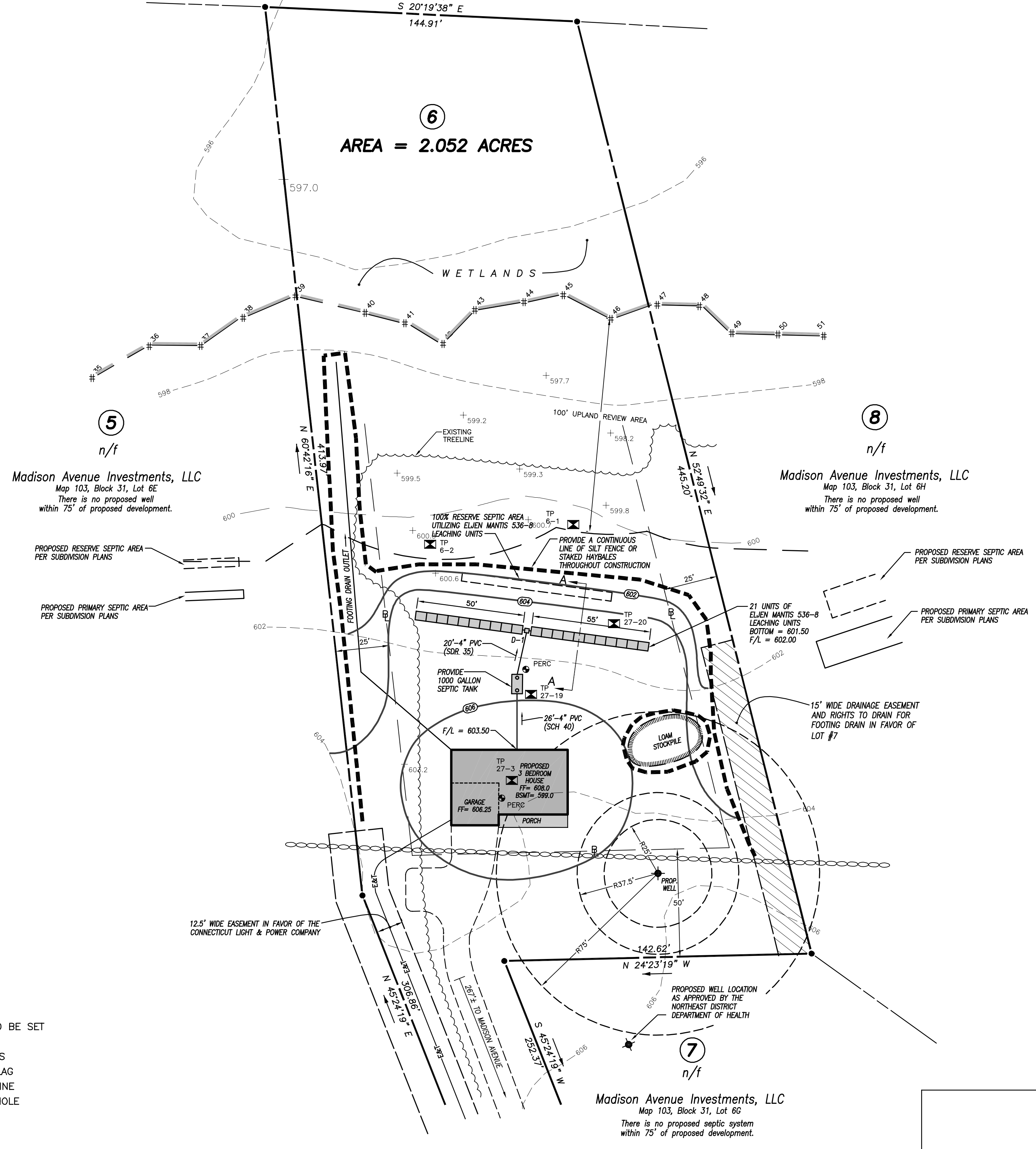
- NOTES:**
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996; This 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 #6F, 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 and the 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.



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 = 602.75
F/L OUT = 602.50

DISTRIBUTION BOXES
D-1 (STANDARD)
F/L IN = 602.17
F/L OUT = 602.00



LEGEND

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

K:\15048\Drawings\SSD\Lot 6\15048 SSD Lot 6.dwg Jul 26, 2020 4:12 PM

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, J.R. No. 22834 DATE

DATE	DESCRIPTION

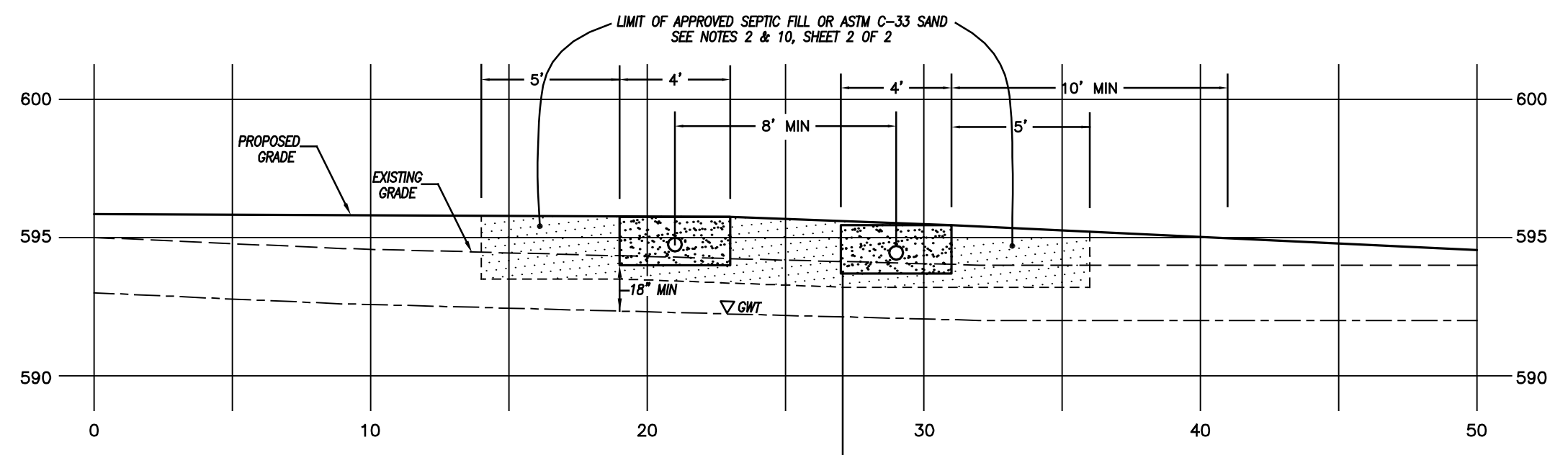
**GENERAL LOCATION SURVEY
SEPTIC SYSTEM DESIGN PLAN - LOT 6
PREPARED FOR
MADISON AVENUE INVESTMENTS, LLC
MADISON AVENUE
THOMPSON, CONNECTICUT**

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

DATE: 3/19/2020	DRAWN: AMR
SCALE: 1" = 30'	DESIGN: NET
SHEET: 1 OF 2	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 15048

Agenda Item E.b) 5. New Applications

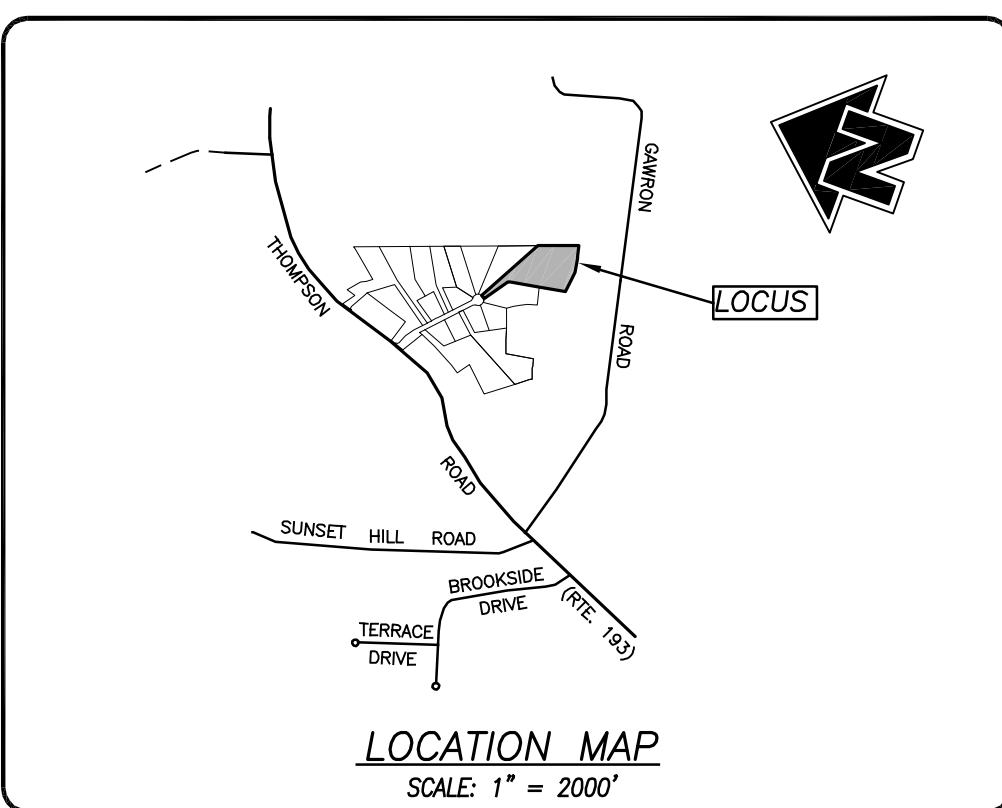
WAA20031, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's map 103, block 31, lot 6K, subdivision lot 11), driveway and grading for new single family home, stamped received 8/3/2020, under review.



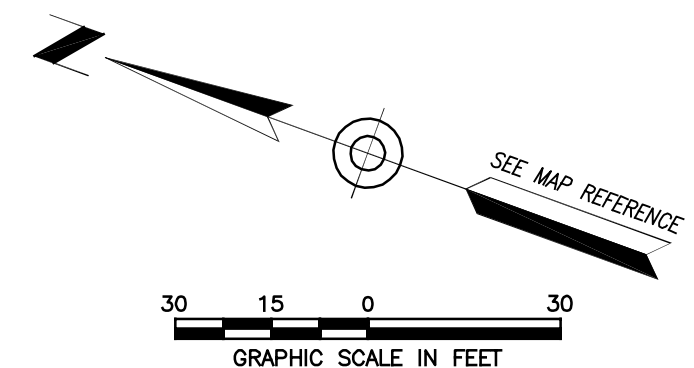
**FOR ALL CONSTRUCTION NOTES,
TEST PIT DATA AND DETAILS
SEE SHEET 2 OF 2.**

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"

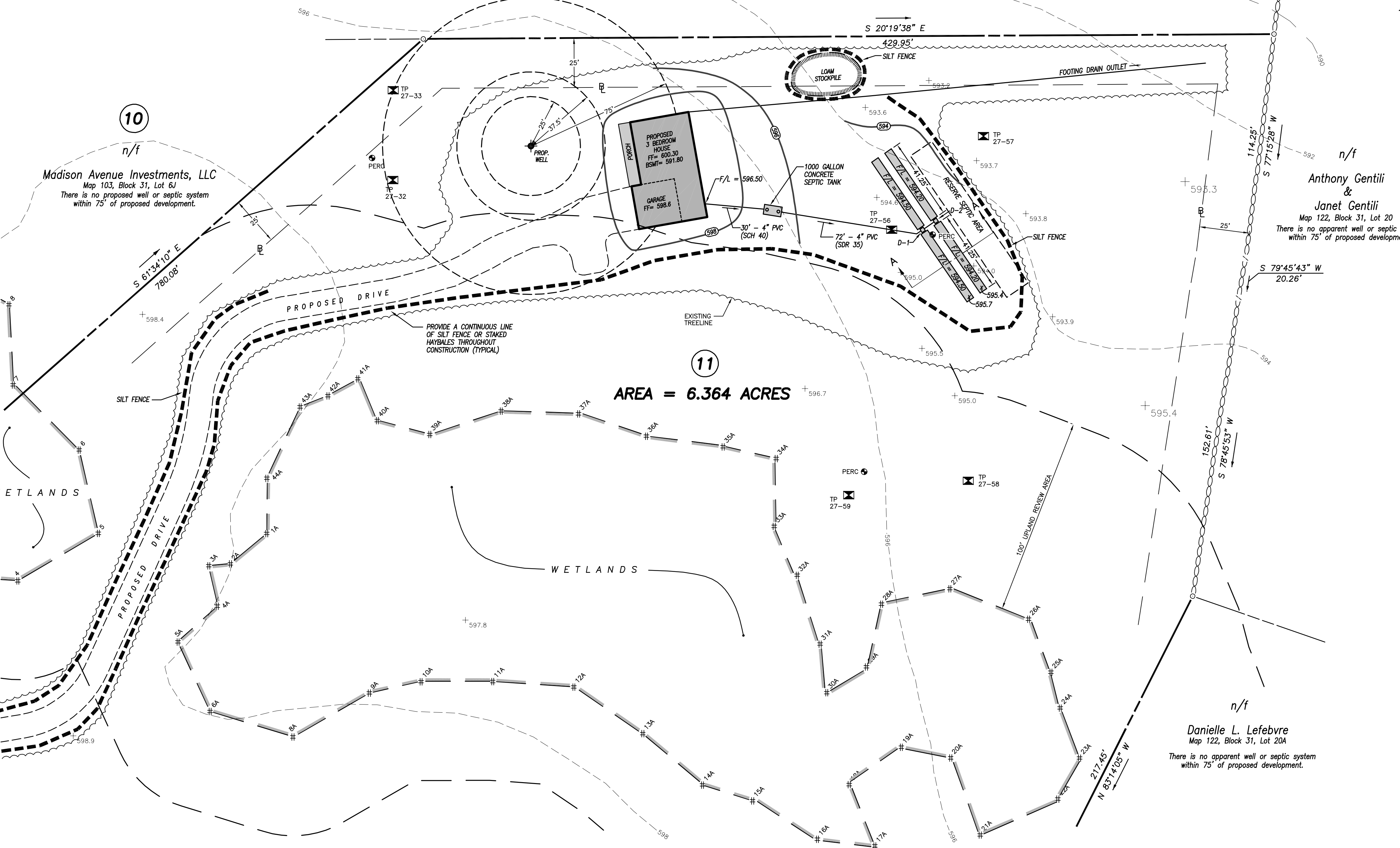


NOTE: SEPTIC SYSTEMS AND WELLS SHALL BE LOCATED A MINIMUM OF 37.5' FROM PROPERTY LINES PER ARTICLE IV, SECTION 2.R OF THE THOMPSON SUBDIVISION REGULATIONS



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.

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.



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
 - - - 100' - - - EXISTING CONTOURS
 - - - 100' - - - PROPOSED CONTOURS
 - ▨ INLAND WETLANDS FLAG
 - ▭ BUILDING SETBACK LINE
 - ○ ○ ○ ○ STONE WALL
 - - - - - SILT FENCE

APPROVED BY THE TOWN OF THOMPSON
INLAND WETLANDS & WATERCOURSES AGENCY

CHAIRMAN _____ DATE _____

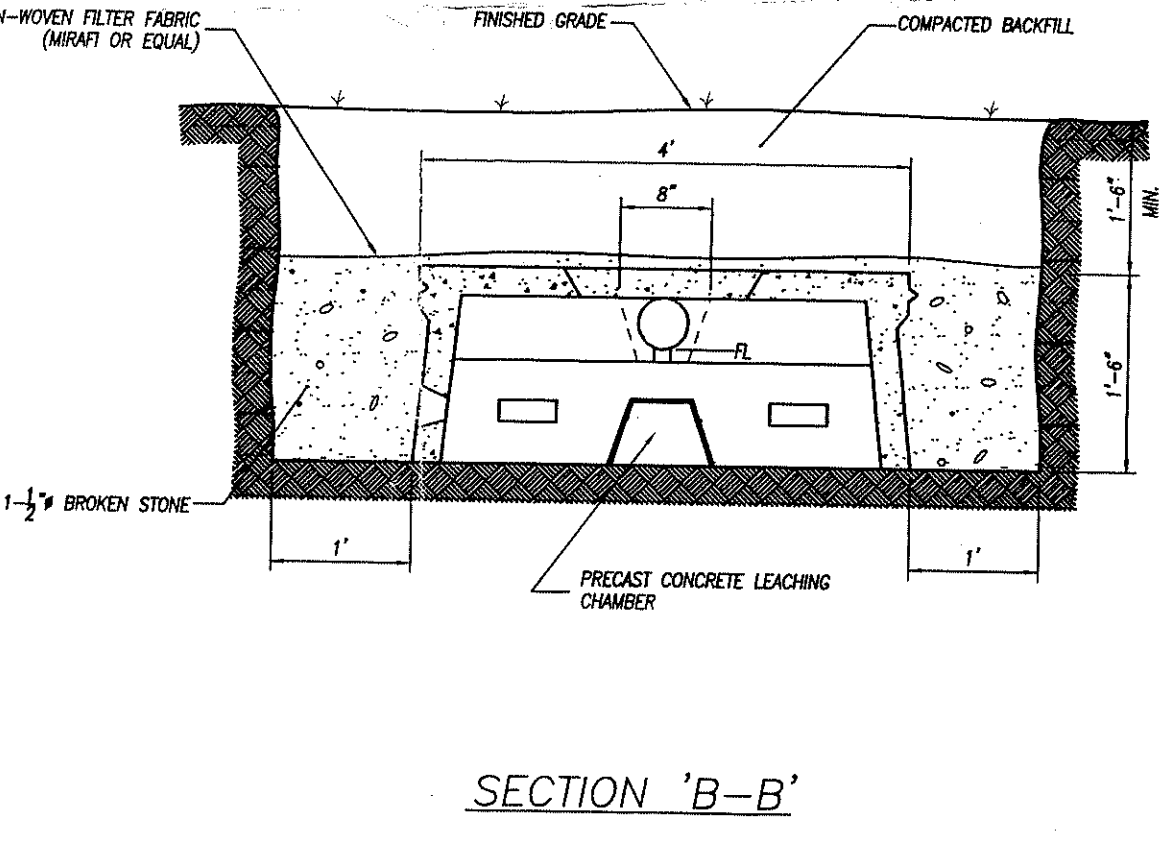
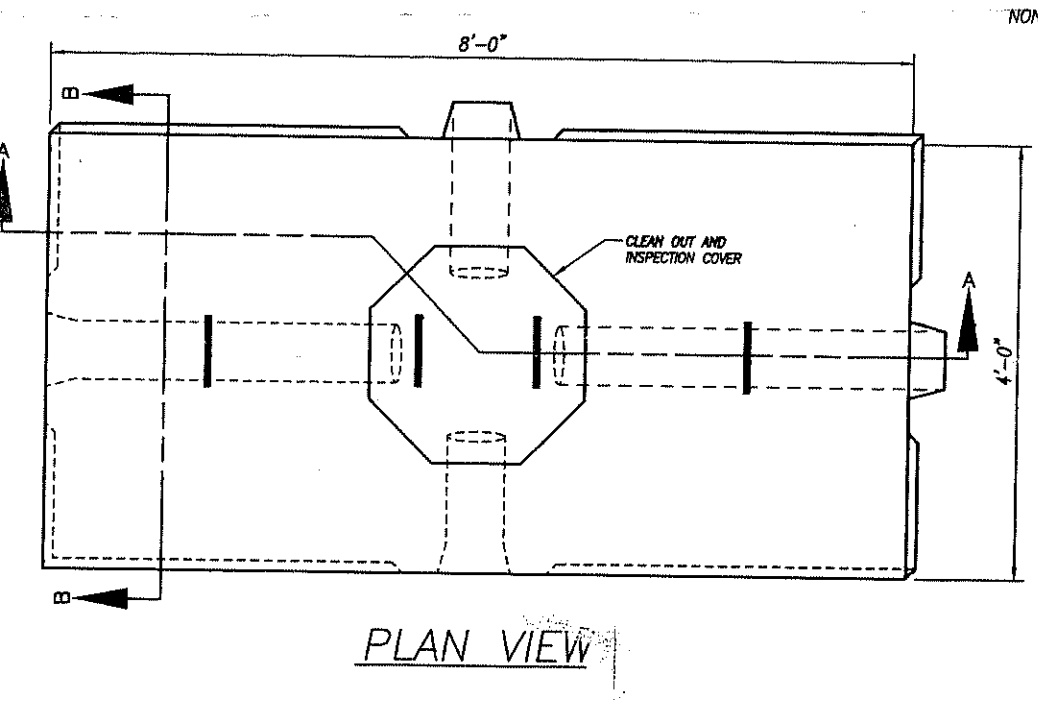
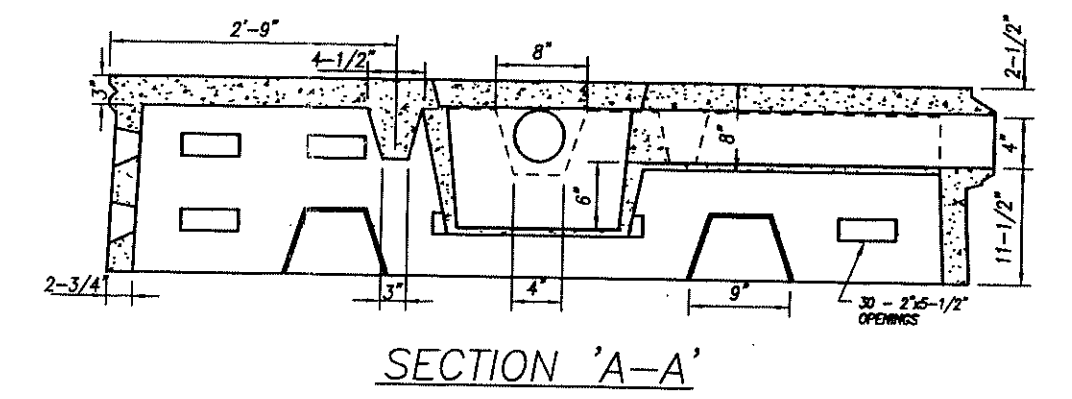
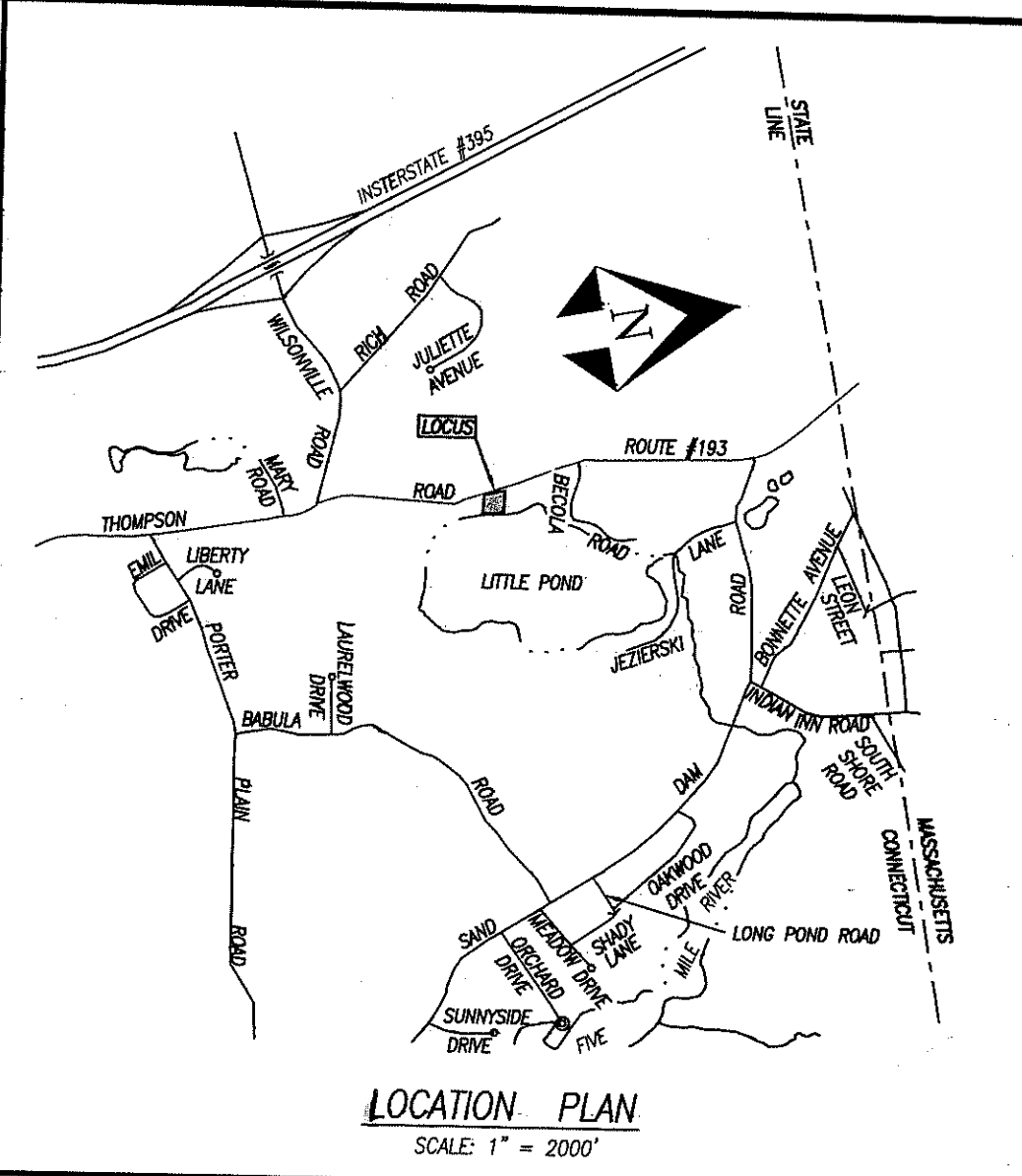
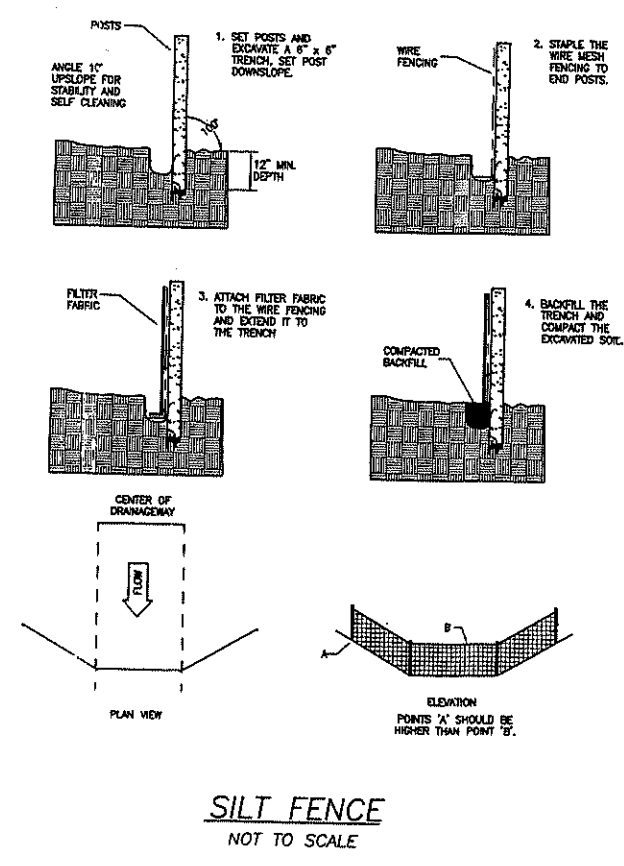
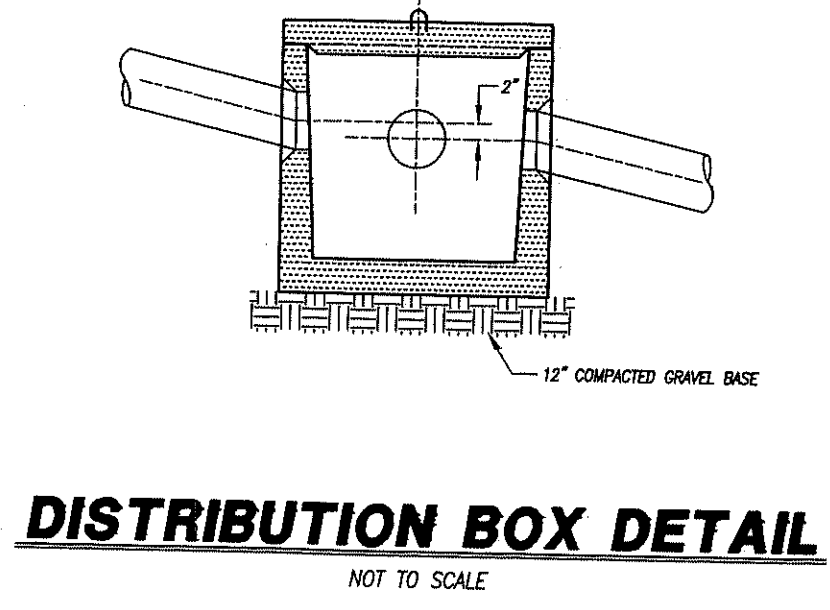
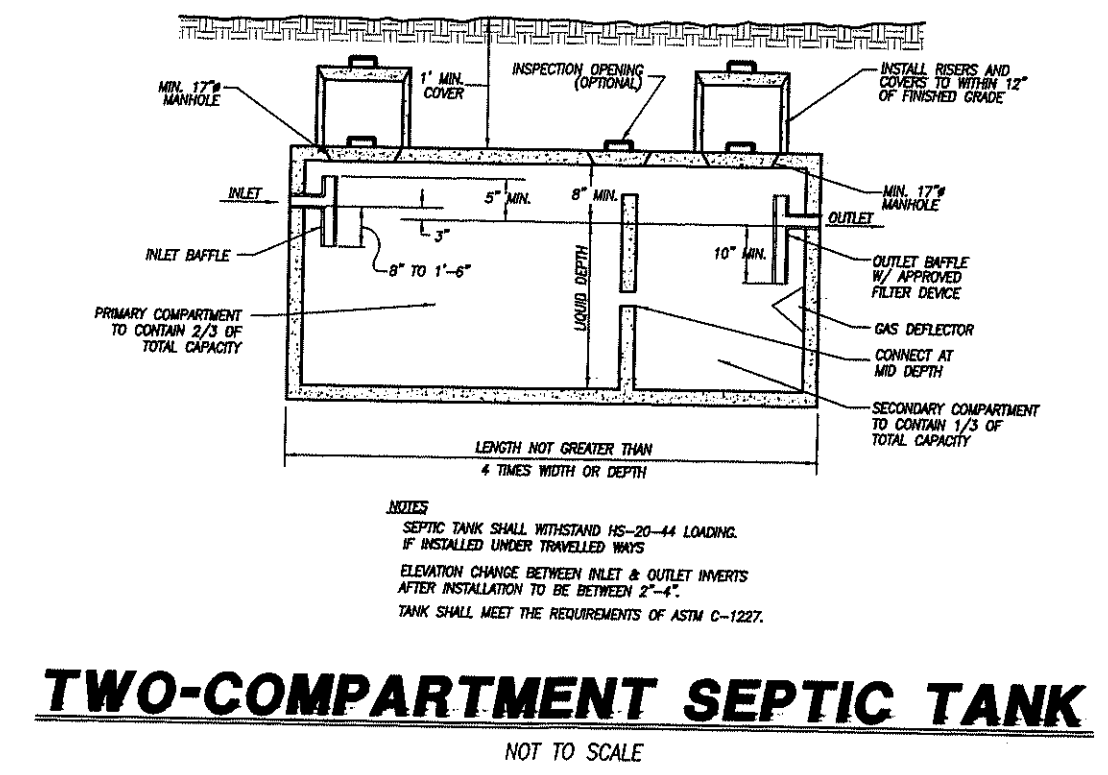
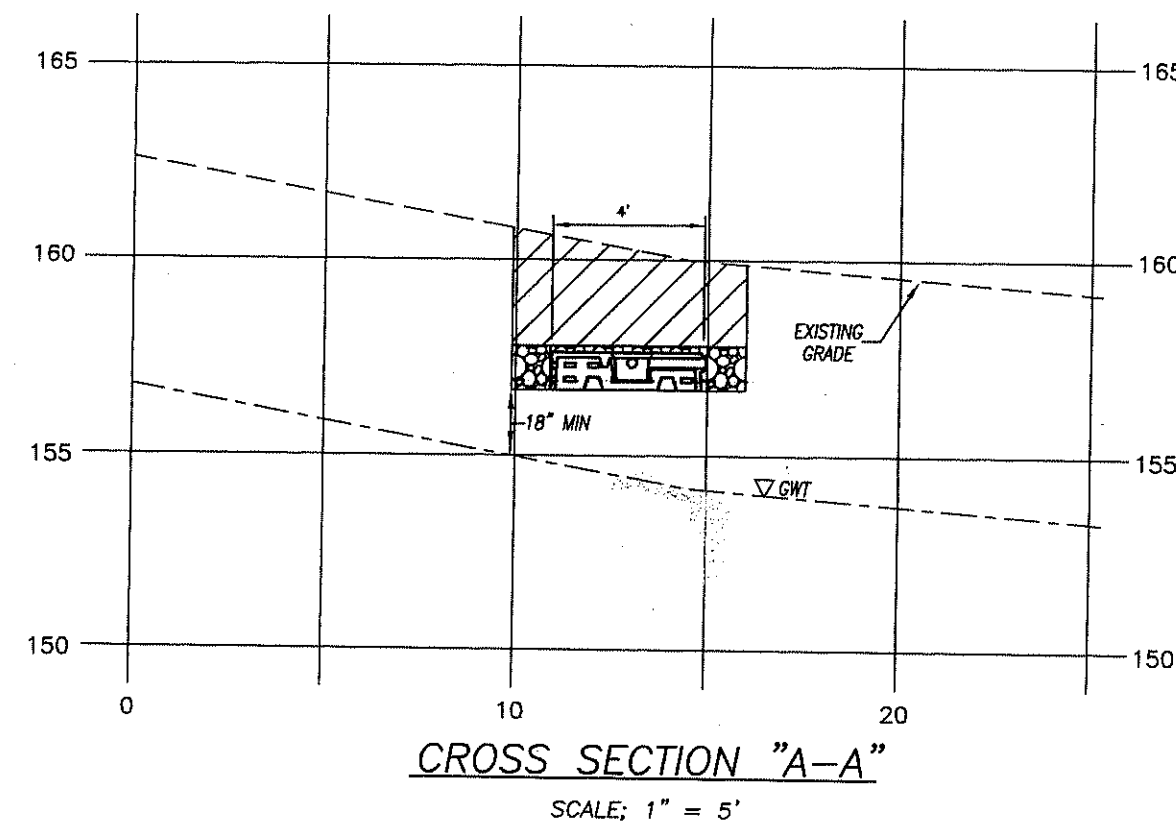
NORMAND THIBEAULT, JR., P.E. No. 22834 DATE _____

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

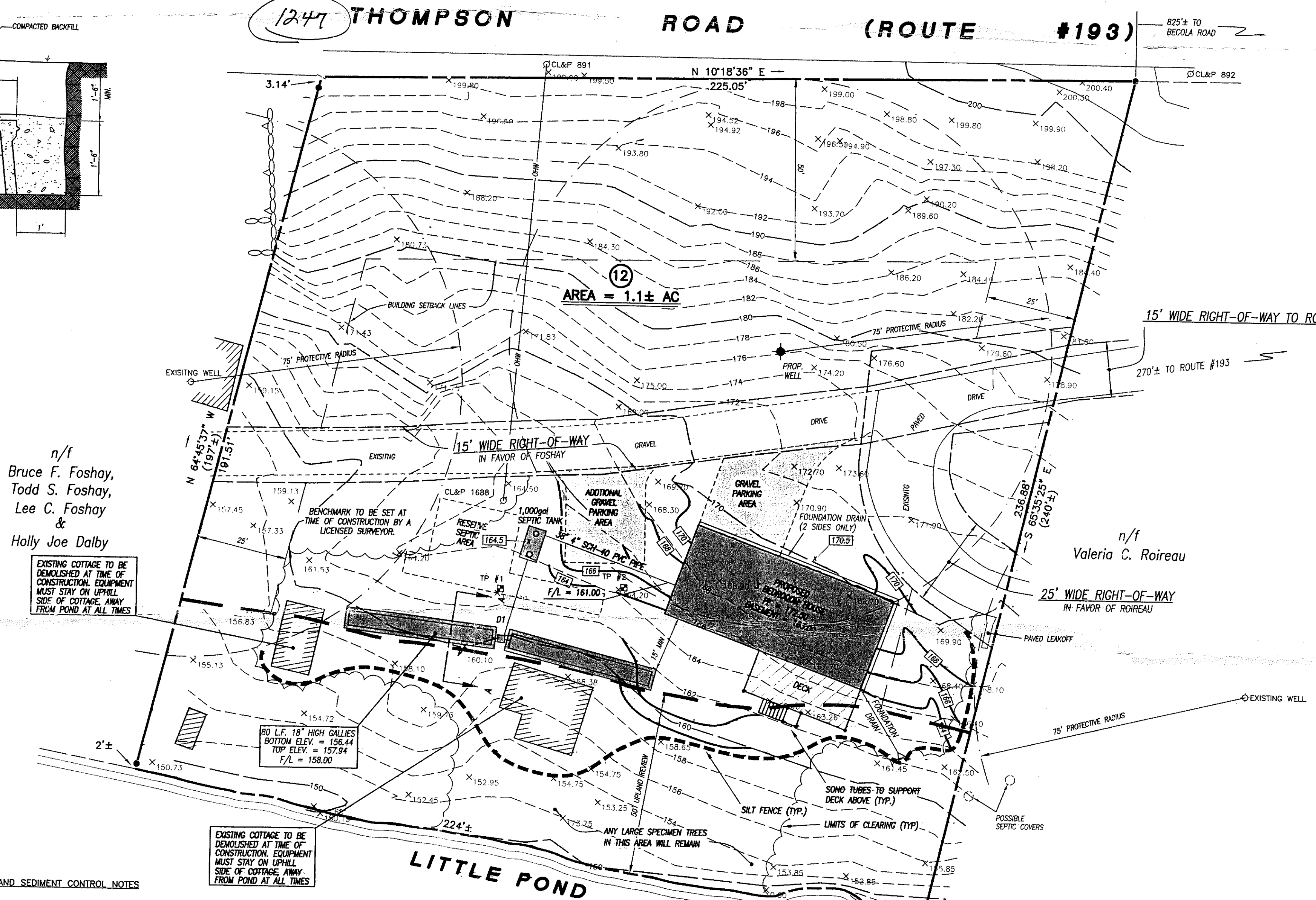
GREG A. GLAUDE, L.S. LIC. NO. 70191 DATE _____
NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

Agenda Item E.b) 6. New 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, under review.



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'	Gravelly Sandy Loam
	25' - 34'	Gravelly Loamy Sand
	34' - 94'	Medium to Coarse Sand
		Ledge
		DWT
		Mottling
		N/A
2	0' - 3'	Organics
	3' - 28'	Gravelly Sandy Loam
	28' - 90'	Stoney Medium to Coarse Sand
		Ledge
		DWT
		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.

- 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

- 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
TERENCE P. CHAMBERS, P.E. #10560
DATE 30 OCT '03
NOT VALID UNLESS SEAL IS APPLIED HERETO

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

E.c) 1. Applications Received After Agenda was
Published

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

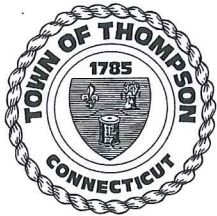
VIOL20013, Adrienne Martin and Joseph Fagan, 208 Linehouse Rd, Assessor's map 36, block 70, lot 4, clearcutting of trees and earth moving work in 100-foot upland review area, Notice of Violation issued 5/14/2020 7/14/2020 granted extension to 10/1/2020 for completion of work.

Agenda Item G.c. & d. Violations & Pending Enforcement Actions

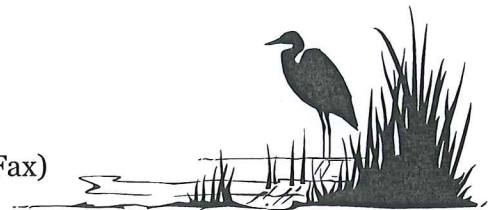
VIOL20018, Marc Baer, 1227 Thompson Rd, Assessor's map 116, block 24, lot 10, clearcutting trees and earth moving work in 100-foot upland review area for Little Pond, Notice of Violation issued 5/27/2020 to cease tree cutting and earth moving work, install E&S controls and by 6/3/2020 provide written explanation for work done and schedule for submitting application (see Application WAA20022 above).

&

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. 8/6/2020 follow up letter sent to remove woody debris from Little Pond by 9/1/2020.



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



August 6, 2020

Patrick Wall & Wall Excavation & Home Improvement LLC
301 Broadway
Coventry, CT 06238

RE: Complete Removal of Woody Debris from Little Pond Required
Notice of **Violation** VIOL20019
1227 Thompson Road, Thompson, Property of Marc S. Baer

Dear Mr. Wall,

There is within Little Pond woody debris from your tree cutting and earth moving operation at 1227 Thompson Road, which earth moving operation was the subject of Notice of Violation VIOL20019 issued to you on May 28, 2020. At the July 14, 2020 meeting of the Inland Wetlands Commission it was noted that some woody debris from your tree cutting operation remains sticking up out of the water indicating that all the woody debris from your tree cutting operation was not removed from Little Pond. To avoid further enforcement action by September 1, 2020 please remove all woody debris from Little Pond along the Baer property and re-establish to functional condition any erosion and sediment control damaged by such removal.

Your failure to remove the woody debris deposited in Little Pond as a result of your tree cutting operation could result in a delay in the processing of Mr. Baer's pending application to construct a new home on the property and expose both you and Mr. Baer to further enforcement action.

I appreciate your cooperation in this matter.

Sincerely

Marla Butts
Wetlands Agent

File: ltr follow up NOV VIOL20019 Wall 1227 Thompson Rd

cc: Marc S. Baer
cc via email: Thompson Building Official
Thompson Zoning Enforcement Officer
Daniel Blanchette, J&D Engineering

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.



Town of Thompson
Inland Wetlands Commission

815 Riverside Drive
North Grosvenordale, CT 06255
860-923-1852 (Office) email: wetlands@thompsonct.org

NOTICE OF VIOLATION

August 6, 2020

Jennifer Burlingame & Robert Lemieux, Jr.
480 Quaddick Town Farm Road
Thompson CT 06277

RE: Notice of Violation **VIOL20033**
480 Quaddick Town Farm Road
Assessor's Map 158, Block 20, Lot 8K

Dear Ms. Burlingame & Mr. Lemieux,

In the beginning of July I received a complaint that filling had occurred at your 480 Quaddick Town Farm Road property in the 100-foot upland review area for delineated wetlands and possibly in inland wetlands located north of your home. After viewing the property from the street, reviewing Map # 1547 on file at the Town Clerk's Office and other evidence I have determined that filling and earthmoving work have occurred within 50 feet of delineated wetlands and may have encroached upon the delineated wetlands.

No valid permit or approval by the Inland Wetlands Commission or me exists for any earthmoving work on your property. The clearcutting of trees, any earthmoving or construction work within 100 feet of a watercourse is subject to regulation under the Thompson Inland Wetlands and Watercourse Regulations. Consequently the earthmoving work has occurred in violation of section 6 of the Inland Wetlands and Watercourses Regulation of the Town of Thompson.

To address the violation and assist me in determining the appropriate course of any further action please cease any further earthmoving work on your property and by August 20, 2020 provide a written explanation for the earthmoving work and the reason why an approval was not sought prior to the initiation of work within 100 feet of the delineated wetlands.

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

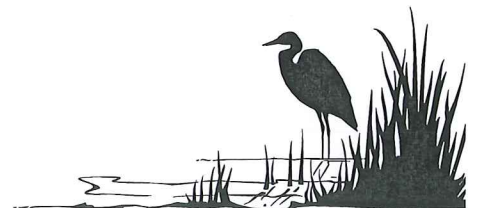
Please contact me if you have any questions or concerns. I appreciate your cooperation in this matter.

Sincerely

Marla Butts
Wetlands Agent

File: NOV VIOL20033 480 QTFRd Burlingame & Lemieux.docx

cc: Thompson Building Official
Thompson Zoning Enforcement Officer

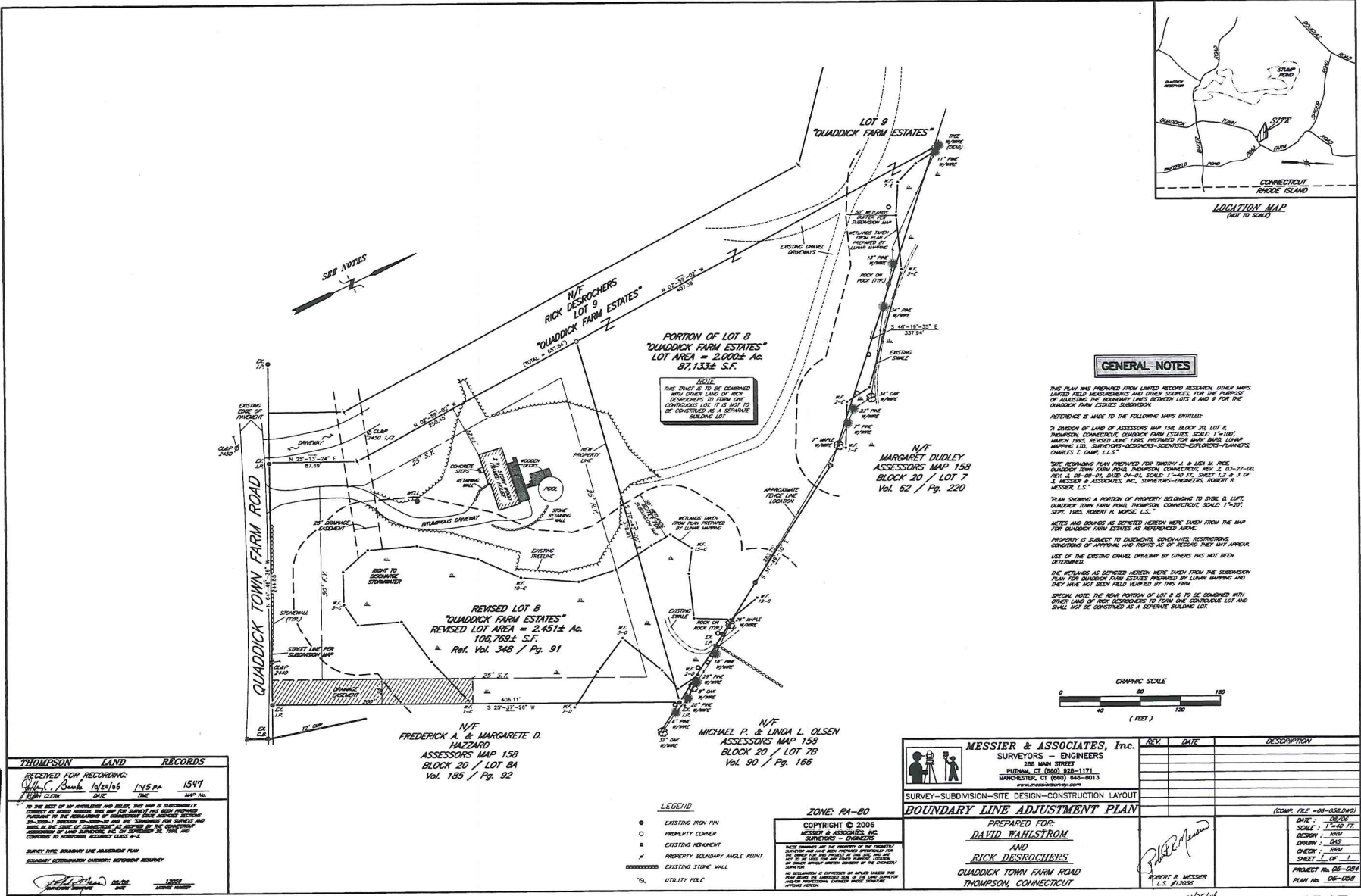


DRAWING NUMBER
1547

DRAWING NUMBER
1547

DRAWING NUMBER
1547

NUMBER





Agenda Item H Other Business

Protocol for Emergency Work in Wetlands &
Watercourses by Public Works Department

Agenda Item I Reports

1 Budget & Expenditures

2 Wetlands Agent Report

Agenda Item J
Correspondence

Agenda Item K
Signing of Mylars

Agenda Item L
Comments by Commissioners

Agenda Item M
Adjournment