Agenda Item C.a.
Action on Minutes of Previous Meeting
Minutes of June 9, 2020

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

INLAND WETLANDS COMMISSION
TUESDAY, June 9, 2020 7:00pm
Zoom Virtual Meeting

A) Call to Order & Roll Call – Call to order was by Chair O'Neil at 7:00pm

Present: Chair and Commissioner George O'Neil, Vice Chair and Commissioner H. Charles Obert, Commissioner Francesca Morano, Treasurer and Commissioner Diane Chapin, Alternate Commissioner Barbara Roach, Wetlands Agent Marla Butts, Recording Secretary Ashley Pomes

Others Present: James Jasmine, Daniel Blanchette, Janet Blanchette, Richard Audet, Richard and Missy Desrochers, Marc Baer and Patrick Wall

B) Appointment of Alternates – Chair O'Neil appoints Alternate Commissioner Roach as a voting member of the Commission.

C) Action on Minutes of Previous Meeting

   a) Minutes of May 12, 2020 – Per Chair O'Neil, minutes stand as posted, no objections

D) Citizens Comments on Agenda Items - None

E) Applications

   a) Old Applications

      1. **WAA20004** Richard T. Audet, 50 Wrightson Dr, Assessor's map 143, block 17, lot 18, construct 20' X 24' shed on piers in the 100-foot upland review area for Quaddick Reservoir, stamped received by Town Clerk 2/5/2020 – M. Butts sent a certified letter to Mr. Audet on May 28, 2020 following up on an email she had sent to him back in March that she had not heard back from. She asks for further information regarding the location of the septic and leach field in relation to the piers for the proposed shed as well as how he plans to address roof runoff from the shed. She asked for a response before June 8th or the application will need to be denied. Mr. Audet sent M. Butts an email response and he states he does not know the location of the septic system as it was installed before he took ownership of the house 15 years ago, he has been in contact with NDDH who has told him he will need to hire a licensed septic installer with a camera that can scope the current septic system and show the exact location of that septic system. Mr. Audet is present at the meeting; he says he has an appointment with Septicology and they will come out to do the camera

work and then he will submit the information necessary to NDDH and will also keep M. Butts updated with what is going on.

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 by Town Clerk's Office 4/13/2020 – M. Butts has sent a letter to Mr. Merrick asking for additional information to be submitted by July 1st. She needs a full scale drawing signed and sealed by a professional engineer licensed to practice in Connecticut with erosion and sediment control measures identified to prevent unnecessary siltation of the nearby wetlands during construction as well as a copy of the NDDH's letter approving the design of the septic system that is located within the 100-ft upland review area. M. Butts states the portion of road that Mr. Merrick is proposing to build this house on is an unimproved portion of road and he will also need to seek approval from the town to improve that portion of road that will go to his proposed house.
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 by Town Clerk 5/6/2020, statutorily received 5/14/2020 – Mr. Jasmine and Daniel Blanchette of J&D Civil Engineers, were both present at the meeting. Mr. Jasmine and Mr. Blanchette have received a letter dated June 7th from Jamie Boucher, President of the Green Acres Association, the owner of the boat launch area just north of Mr. Jasmine's property. The letter states that the wall construction has improved the longevity, safety and appearance of the Green Acres Association's property and that all parties seem pleased with these improvements. Mr. Blanchette has also been in contact with DEEP to try to get a letter concerning the 4-foot encroachment into the lakebed, he spoke with Brian Florek, Director of Surveying and Mapping, who stated he did not believe that DEEP claims ownership of the lakebed. **Commissioner Obert made a motion to request clarification from DEEP regarding the status of the wall and status of the lakebed.** Chair O'Neil then asked M. Butts what the protocol is, she states if the Commission wants the application completed, there needs to be a second to the motion with the request that Mr. Jasmine submits to the best of his ability documentation from DEEP that they have no objection to the wall in its current condition. **Commissioner Chapin seconds Commissioner Obert's motion.** M. Butts also states she was informed by the building office that Mr. Jasmine would like to put a deck on the front of the cottage as well, he states it is on the backside, away from the lake. M. Butts states because it is within 100 feet of the reservoir area, he has two options, he can either amend this application to include the construction of that deck as part of it or he can submit a separate

application with wetlands approval for the deck, she recommends he amends this application to include the drawings for the deck on the drawings for the wall. Mr. Jasmine states he will do that.

4. **WAA20012** Richard T. 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 by Town Clerk 5/6/2020 – M. Butts spoke with Janet Blanchette regarding her review of the application. The drawings that are on file for viewing during the meeting have green lines drawn outlining the areas of the 100-ft upland review area that are going to be disturbed as a result of grading or stabilization with grass cover. An issue arose that one of the areas in green outline shows stockpile was going on to the neighboring property of Tim Rice, M. Butts has a letter from Mr. Rice giving permission to enter onto his property to remove stockpiled materials just north of their common property line. Janet Blanchette is present at the Zoom meeting; she explains while showing the drawings which areas are going to be affected with grading and stabilization. M. Butts shows where there is going to be some disturbance for improving a driveway, Janet Blanchette states it is going to be upgraded with gravel to make it an all-season driveway. M. Butts states all of her questions regarding this application have been answered, however, following last month's meeting there was a petition that was received by Jennifer Burlingame and Robert Lemieux Jr, requesting a public hearing on the wetland's agent approval application. M. Butts contacted the attorney's office for the Town of Thompson regarding this petition and what needed to be done. Richard Roberts of Halloran Sage responded to her, stating, after doing some additional research and discussing with some of his colleagues, he suggests to appeal the issuance of the permit to the commission instead of a public hearing in advance. Giving interest that there was in the application, M. Butts feels it appropriate to offer the petitioners and those who signed it, an opportunity to way in before she renders a decision on the application. **Motion to reject the petition was made by Commissioner Roach seconded by Commissioner Chapin.** No further discussion, all in favor, motion carries. M. Butts will send correspondence to the petitioners and give them a week's time to respond to her regarding their concerns about the wetlands and watercourse issues. She will not make a decision on this for at least a week to give them opportunity.

b) New Applications

1. **WAA20014**, Madison Avenue Investments, LLC, 0 Madison Ave. (Assessor's Map 103, Block 31, Lot 6I, subdivision lot 9), construct septic system and footing drain in 100-foot upland review area for a new single family home, stamped received 5/11/2020, approval issued 5/24/2020, legal notice to be published 6/12/2020 – M. Butts says this

is part of the Madison Avenue subdivision that was approved a number of years ago and this is one of the lots that was required to come back for review, there is no work in wetlands and watercourses. The drawings that were provided showed only a portion of the septic system and footing drain in the 100-ft upland review area. Waiting to see if the appeal period expires, no further action required at this time.

2. **WAA20015**, Carol Weiss, 1343 Thompson Rd (Assessor's Map 114, Block 24, Lot 56A), repair a failing septic system in the 100-foot upland review area, stamped received by Town Clerk 5/21/2020, approval issued 5/21/2020, legal notice to be published 6/12/2020 – M. Butts approved this the day the application came in, she states because the septic system was failing she felt it was necessary to get this approved in a timely manner. M. Butts and Commissioner Obert drove by this property today and the system has already been replaced, there is no ground stabilization yet so she will contact Ms. Weiss to get the area seeded and mulched as soon as possible.
3. **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 Quaddick Rivers, stamped received 5/27/2020, under review – This site has been seen twice before for Wetlands Agent Approval for solar panels. When M. Butts received this application, she was unclear when she got the plans what was going to be new verses what was already approved. On June 2nd she sent an email to the engineer and asked him to provide a more detailed description of the proposed regulated activity, clarify the size of the proposed solar array and what is the nature of the work to be performed in the 100-ft upland review area. She also asks for identification of prior permits for and the status of previously approved solar arrays and how this proposal relates to those previous approvals. She also asks him to show the FEMA 100-year floodplain and floodways, she is concerned about the potential environmental impacts of where the new array will go. On hold, waiting for requested information.
4. **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 by Town Clerk 5/20/2020, under review area – No work in wetlands or watercourses, under review, no action required.
5. **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 – M. Butts is yet to receive NDDH approval on the design so no action will be taken until the approval is received.

c) Applications Received After Agenda was Published - None

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 – Work needs to be completed by 9-15-2020 so no further action is required at this time.

b) **VIOL20013**, Adrianne Martin and Joseph Fagan, 208 Linehouse Rd, Assessor's map 36, block 70, lot 4, clearcutting of trees and earth moving work in 100-foot upland review area, Notice of Violation issued 5/14/2020 to remove the slash, pull back the soil along the eastern property boundary to a grade no steeper than 3:1 (i.e. 3 feet horizontal to 1 foot vertical) by 6/1/2020 and immediately following the completion of this work, seed and mulch all disturbed soils – M. Butts and Commissioner Obert went by this property today but no adults were home, she left a card with a child. It does not appear any work has been done yet so she will contact the property owners to find out why no work has been done.

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 – Marc Baer is present at this Zoom meeting as well as his contractor Patrick Wall. There is a silt fence up now but there appears to be some fencing that is starting to fall down. Mr. Baer states he is trying to build a home for his family, he received approval from the town last November and December and was told he could cut any trees he wanted, he says he hired a contractor and in order for him to cut some of the trees down on the hill, some dirt needed to be moved. He states he is trying to do everything by the book and is not trying to cause problems. He spoke with Daniel Blanchette by email today and the plans will be submitted next week for the wetlands and there is progress on the project. M. Butts states there is also some tree debris in the water and Mr. Wall needs to go out into the water to remove this debris. Mr. Wall states he will take care of the branches in the water. On hold pending the receipt of the application, no further action at this time.

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 – This was spoken about at the same time as the above **VIOL20018**, Mr. Wall will remove the tree debris in the water and will also put in some stakes and better support the silt fencing that is falling down.

On hold pending the receipt of the application, no further action at this time. Commissioner Roach spoke up to state as someone who is living on this pond, after the heavy rains on this past Saturday she did not notice any signs of runoff that caused an issue to the pond and the silt fence is in place.

H) Other Business - None

I) Reports

a) Budget & Expenditures – Per Treasurer Chapin, there has been no expenditures, the budget is $25,787 with the year to date expenditures at $20,782.42, the Commission has used 80.6% of the budget with $5,004.58 remaining.

b) Wetlands Agent Report – **UPDATES-** Status of Court Appeal on Application IWA15029, River Junction Estates, LLC, is still pending. There has been no further progress on MS4 Annual Report and Follow Up Actions, but M. Butts will be working on it this week. No new progress on pre-1990 file destruction.

INSPECTIONS/FOLLOWUP ACTIONS

- Complaint 20-01, Filling of standing water along Quaddick Town Farm Road, 497 Quaddick Town Farm Road – On 5/28/20 M. Butts drove by the property and noticed some of the fill that was placed along Quaddick Town Farm Rd was removed (but not all of it). The standing water was gone. She spoke to the Thompson Public Works Director and he said he did not do any work there but in order to protect the roadbed sometime in the next construction season he plans to rebuild a portion of the road bed and install a cross culvert where the driveway meets the road. Because there is some evidence of swamp vegetation nearby, he will be applying for a wetlands agent approval to install the cross culvert. As far as establishing a pull off for 497 QTFRd, M. Butts has sent an email to the property owner requesting that before doing any more filling or earth moving work she apply for a wetlands agent approval, that is providing pull off is not going to be located in the area containing skunk cabbage. M. Butts will be returning the property owner's recent voice message to discuss the situation.

- Complaint 20-04 Report of cutting of trees south of Sunset Pond at 21 Marcy Lane. Complainant supplied photograph of cutting area. M. Butts still needs to photo document conditions the next time she perform field work.

- Complaint 20-05 Report of dumping of pony manure in wetlands off of Hiawatha Dr .- M. Butts still needs to conduct a field inspection.

BUILDING PERMITS REVIEWED

- Permit #20-143-B, Madison Invert., 40 Madison Ave (Assessor's reference 103/31/6I), new single-family dwelling, approved under WAA20014.

MISCELLANEOUS - None

PURCHASE REQUESITIONS STATUS

- Encumbered $60 (PO 120432), Stonebridge Press, Madison Avenue Investments LLC, WAA20014 and Carol Weiss, WAA20015

J) Correspondence - None

K) Signing of Mylars - None

L) Comments by Commissioners – Commissioner Obert asks M. Butts about the area behind the gazebo on the French River, he says while they were looking at the riprap that was placed along the French River they encountered the people from USGS who were adjusting the monitor they put in the river, M. Butts states it is under investigation. Commissioner Obert also asks about the course being offered by DEEP, M. Butts says they are offering their certification and training program, she sent an email to all Commissioners with the information that was sent to her. Chair O'Neil says it is not limited to municipal office officials and DEEP encourages anyone interested in learning about inland wetlands and watercourse resources to take it. Chair O'Neil also wanted to say well done, a lot of material was covered, and Zoom capabilities have been improved on. He thanks M. Butts for getting all of the documents together and ready for all to view and he thanks First Selectman Amy St. Onge for being the host and moderator. He looks forward to being able to resume normal meetings in the future with the possibility of continuing those meetings with a camera so that more people can attend.

M) Adjournment- **Motion to adjourn was by Commissioner Morano at 8:17pm seconded by Commissioner Chapin**

Respectfully Submitted,

Ashley Pomes; Recording Secretary

Topic: Inlands Wetlands Commission
Date: Jun 9, 2020 06:12 PM Eastern Time (US and Canada)

Share recording with viewers:

https://us02web.zoom.us/rec/share/z5JIM6jUzkdJXqPPyhzBXbU8HNu_aaa81CMfqPIOxU9w1MGsZ-1M9PhpV7hxkD9_

Password: 1l?51@ta

Agenda Item D.
Citizens Comments on Agenda Items

Agenda Item E.a) 1. Old Applications

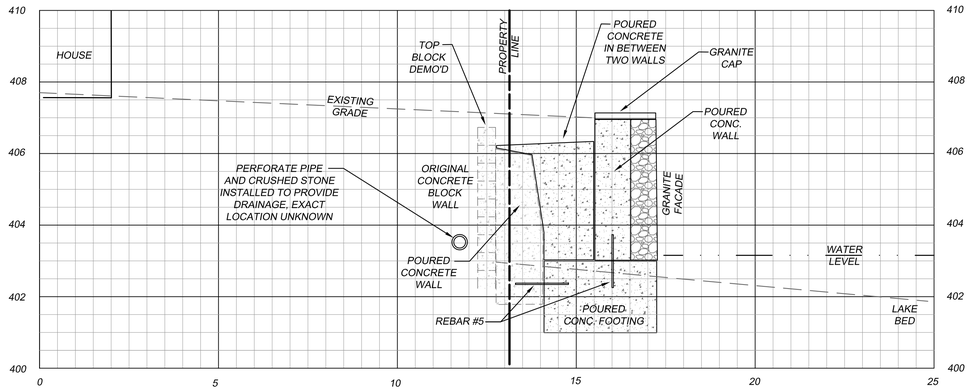
WAA20004 Richard T. Audet, 50 Wrightson Dr, Assessor's map 143, block 17, lot 18, construct 20' X 24' shed on piers in the 100-foot upland review area for Quaddick Reservoir, stamped received 2/5/2020, under review pending NDDH approval and handing roof runoff.

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.



RETAINING WALL CROSS SECTION A-A

1" = 2'

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 PURPOSE: TO OBTAIN A WETLANDS PERMIT FOR THE NEW RETAINING WALL

SURVEY TYPE: GENERAL LOCATION

HORIZONTAL ACCURACY: CLASS B

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

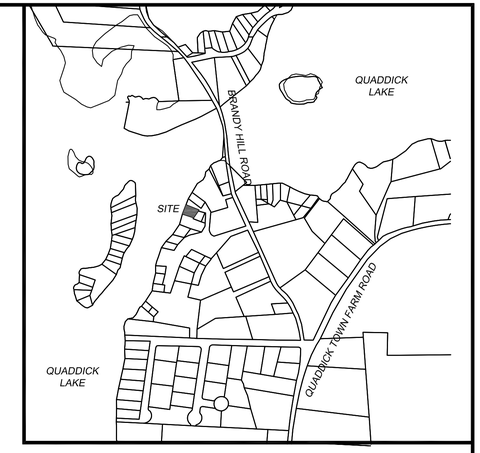
2. TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A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

3. REFERENCE PLAN:
"PERIMETER SURVEY PREPARED FOR JAMES AND BARBARA JASMIN." BY ARCHER SURVEYING LLC. DATED APRIL 2017. SCALE 1" = 10'

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

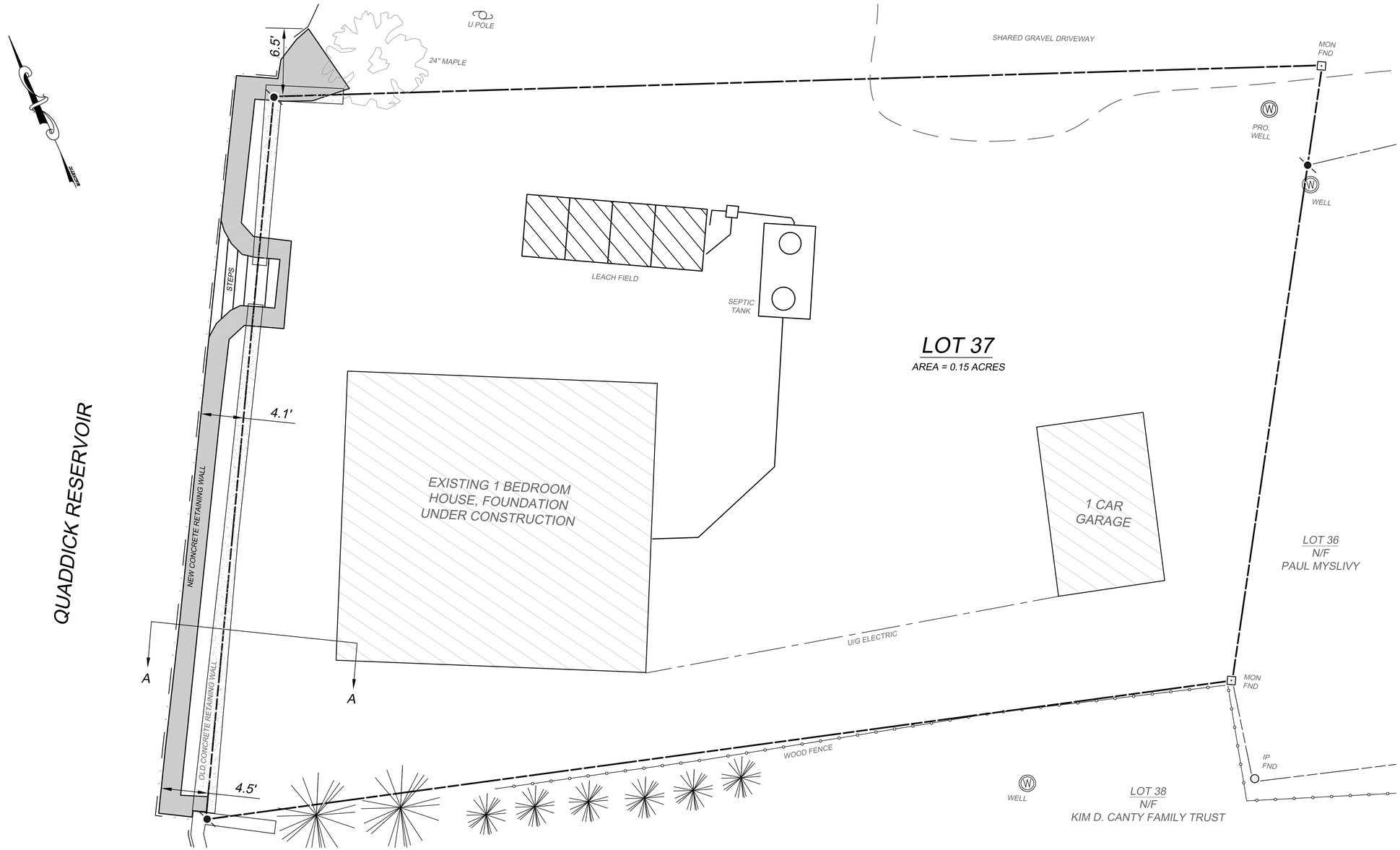
DENNIS R. BLANCHETTE — DATE — 12107 LICENSE

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE



LOCATION MAP

1" = 500'



LEGEND

- WELL
- UTILITY POLE
- PROPERTY CORNER
- EXISTING IP FOUND
- EXISTING MONUMENT FOUND
- PROPERTY LINE
- EDGE OF GRAVEL ROAD
- EDGE OF WATER BODY
- UTILITIES
- FENCE
- PROPOSED RETAINING WALL
- EXISTING RETAINING WALL

0 5' 10' 15'

GRAPHIC SCALE
(IN FEET)
1"=5'

RETAINING WALL AS BUILT
PREPARED FOR
JAMES & BARBARA JASMIN
518 BRANDY HILL ROAD - THOMPSON, CT
MAP 143 BLOCK 16 LOT 37

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

DESIGNED: APS CHECKED: DDB	REVISIONS:
JOB NO: 18219	DATE: MAY 4, 2020
SCALE: 1" = 5'	SHEET: 1 OF 1

Agenda Item E.a) 4.Old Applications

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.

Agenda Item E.a) 5. Old Applications

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 Quaddick Rivers, stamped received 5/27/2020, approved 6/12/2020, legal notice published 6/26/2020, end of appeal period 7/11/2020.

Agenda Item E.a) 6. Old Applications

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.

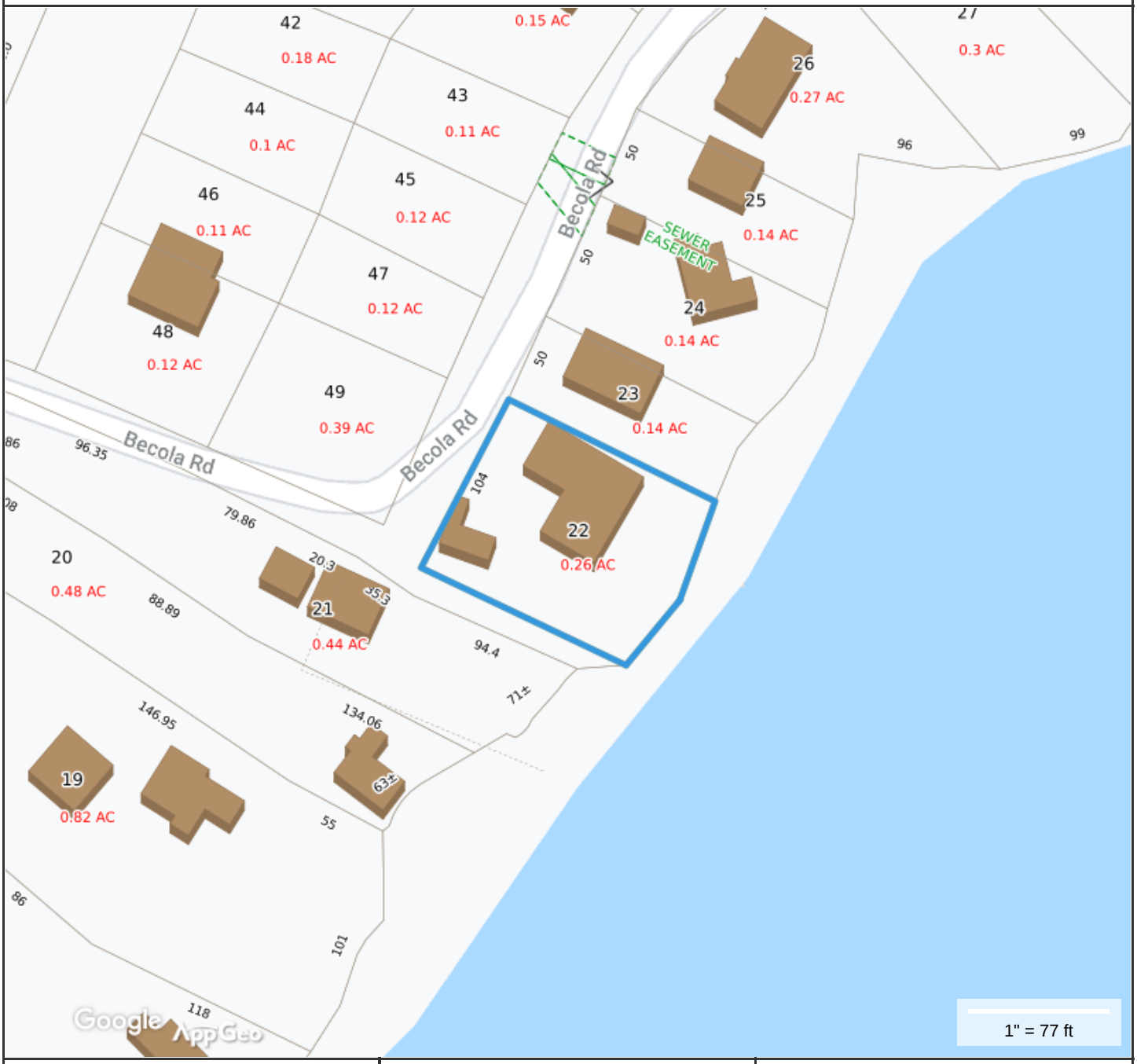
Agenda Item E.a) 7. Old Applications

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.

Agenda Item E.a) 8. Old Applications

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.

Location of Application WAA20021



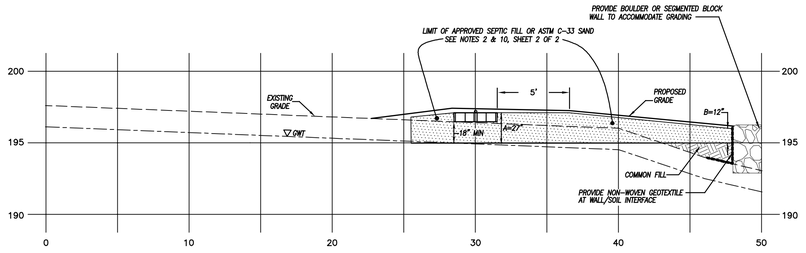
Property Information

Property ID	3506
Location	23 BECOLA RD
Owner	WETHERBEE KENNETH E + DOROTHY B

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

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

Geometry updated April 1, 2018
Data updated April 1, 2018



CROSS SECTION "A–A"

SCALE: 1" = 5'

TEST HOLE DATA – November 6, 2019
Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
1	0"– 32"	Fill
	32"– 35"	Buried Topsoil
	35"– 40"	Mottled tan silt–loam
	40"– 63"	Groundwater
	Ledge	N/A
	GWT	40"
	Mottling	35"
	Roots	32"

TEST HOLE DATA – December 16, 2019
Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
2	0"– 15"	Fill
	15"– 18"	Buried Topsoil
	18"– 33"	Mottled OB/GR Fine Sandy Loam w/Gravel, Cobbles, Stones
	Ledge	N/A
	GWT	33"
	Mottling	18"
	Roots	26"

TP–3 hand excavated by Normand Thibeault, P.E., Killingly Engineering on 2/27/2020 to verify soil conditions in vicinity of proposed system

3	0"–18"	Fill
	18"– 21"	Buried Topsoil
	21"– 28"	Mottled FSL, stony
	Mottling	21"

SEPTIC SYSTEM DESIGN DATA

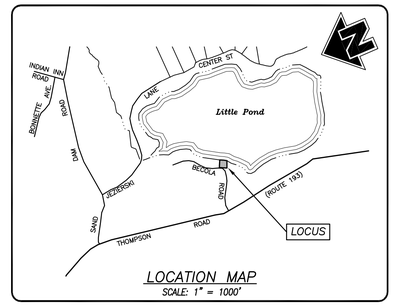
Percolation Rate	=	10 min./in.
2 bedroom house requires	=	375 s.f. effective leaching area
Effective Leaching area	=	8.2 s.f. / l.f. of SB1–7–36 by Geomatrix
Length Required	=	375/8.2 = 45.7 l.f.
Length Provided	=	55'
Min. Leaching System Spread (MLSS)	=	54 x 1.0 x 1.0 = 54'
MLSS Provided	=	54.1'

LEACHING FIELD

1 – 55' row of Geopmatrix SB1–7–36

Maximum depth into existing grade = 3"

RS Depth = $\frac{A + B}{2} = \frac{27" + 12"}{2}$ = 19.5"



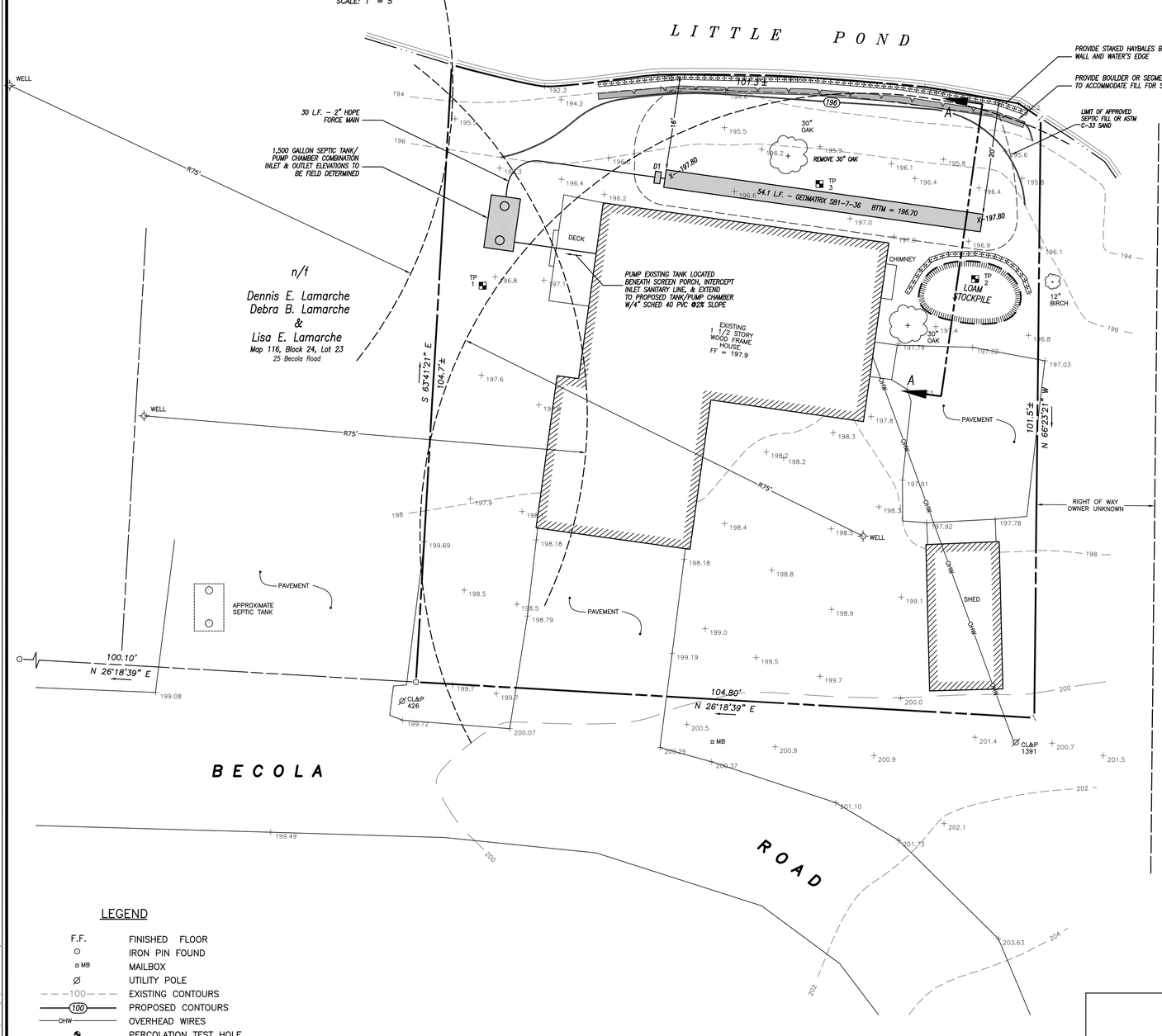
LOCATION MAP

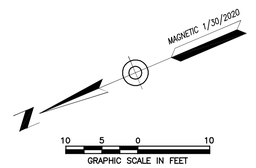
SCALE: 1" = 1000'

PERCOLATION TEST RESULT – November 6, 2019
Northeast District Department of Health

Depth = 19" Rate = 10.0 min./in.

Time	Reading
12:37	1"
12:42	4.75"
12:47	7.75"
12:52	9"
12:57	10.25"
1:02	11.25"
1:07	11.75"
1:12	12.25"
1:17	12.75"
1:22	13.25"
1:27	13.75





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

SEPTIC TANK
1500 GALLON TWO COMPARTMENT F/L IN = TBD F/L OUT = TBD
DISTRIBUTION BOXES
D–1 (BAFFLE) F/L IN = 197.28 F/L OUT = 197.28

NOTES:

1. 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.

2. Zone = R–40.
3. Owner of record: Kenneth E. Wetherbee & Dorothy B. Wetherbee
   23 Becola Road
   Thompson, CT 06277
4. Parcel is shown as Lot #220, Block #24 on Assessors Map #116.
5. Elevations shown are based on an assumed datum. Contours shown are taken from actual field survey. Contour interval = 2'.
6. Test Pit data taken from NDDH file number 20000099.
7. Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1–800–922–4455 or 811.

MAP REFERENCE:

"Lakeside Lots – of – Bernhardt Langer – Thompson, Conn. Scale: 1" = 40' – Date: 1947 – Prepared by: Wm. K. Pike & Son, C.E.'s. On file in the Thompson Land Records.

5/28/2020	NEIGHBORING WELLS ADDED
DATE	DESCRIPTION
REVISIONS	

LEGEND

F.F.	FINISHED FLOOR
○	IRON PIN FOUND
▫ MB	MAILBOX
Ø	UTILITY POLE
100	EXISTING CONTOURS
100	PROPOSED CONTOURS
OHW	OVERHEAD WIRES
●	PERCOLATION TEST HOLE
■	TEST HOLE
▬▬	SILT FENCE

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.

GENERAL LOCATION SURVEY
SEPTIC SYSTEM DESIGN PLAN
PREPARED FOR

KENNETH E. WETHERBEE & DOROTHY B. WETHERBEE

23 BECOLA ROAD
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: 2/04/2020	DRAWN: AMR
SCALE: 1" = 10'	DESIGN: NET
SHEET: 1 OF 2	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 19127

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EROSION AND SEDIMENT CONTROL NARRATIVE:

PRINCIPLES OF EROSION AND SEDIMENT CONTROL

The primary function of erosion and sediment controls is to absorb erosional energies and reduce runoff velocities that force the detachment and transport of soil and/or encourage the deposition of eroded soil particles before they reach any sensitive area.

KEEP LAND DISTURBANCE TO A MINIMUM

The more land that is in vegetative cover, the more surface water will infiltrate into the soil, thus minimizing stormwater runoff and potential erosion. Keeping land disturbance to a minimum not only involves minimizing the extent of exposure at any one time, but also the duration of exposure. Phasing, sequencing and construction scheduling are interrelated. Phasing divides a large project into distinct sections where construction work over a specific area occurs over distinct periods of time and each phase is not dependent upon a subsequent phase in order to be functional. A sequence is the order in which construction activities are to occur during any particular phase. A sequence should be developed on the premise of "first things first" and "last things last" with proper attention given to the inclusion of adequate erosion and sediment control measures. A construction schedule is a sequence with time lines applied to it and should address the potential overlap of actions in a sequence which may be in conflict with each other.

- Limit areas of clearing and grading. Protect natural vegetation from construction equipment with fencing, tree armoring, and retaining walls or tree wells.
- Route traffic patterns within the site to avoid existing or newly planted vegetation.
- Phase construction so that areas which are actively being developed at any one time are minimized and only that area under construction is exposed. Clear only those areas essential for construction.
- Sequence the construction of storm drainage systems so that they are operational as soon as possible during construction. Ensure all outlets are stable before outletting storm drainage flow into them.
- Schedule construction so that final grading and stabilization is completed as soon as possible.

SLOW THE FLOW

Detachment and transport of eroded soil must be kept to a minimum by absorbing and reducing the erosive energy of water. The erosive energy of water increases as the volume and velocity of runoff increases. The volume and velocity of runoff increases during development as a result of reduced infiltration rates caused by the removal of existing vegetation, removal of topsoil, compaction of soil and the construction of impervious surfaces.

- Use diversions, stone dikes, silt fences and similar measures to break flow lines and dissipate storm water energy.
- Avoid diverting one drainage system into another without calculating the potential for downstream flooding or erosion.

KEEP CLEAN RUNOFF SEPARATED

Clean runoff should be kept separated from sediment laden water and should not be directed over disturbed areas without additional controls. Additionally, prevent the mixing of clean off-site generated runoff with sediment laden runoff generated on-site until after adequate filtration of on-site waters has occurred.

- Segregate construction waters from clean water.
- Divert site runoff to keep it isolated from wetlands, watercourses and drainage ways that flow through or near the development until the sediment in that runoff is trapped or detained.

REDUCE ON SITE POTENTIAL INTERNALLY AND INSTALL PERIMETER CONTROLS

While it may seem less complicated to collect all waters to one point of discharge for treatment and just install a perimeter control, it can be more effective to apply internal controls to many small sub-drainage basins within the site. By reducing sediment loading from within the site, the chance of perimeter control failure and the potential off-site damage that it can cause is reduced. It is generally more expensive to correct off-site damage than it is to install proper internal controls.

- Control erosion and sedimentation in the smallest drainage area possible. It is easier to control erosion than to contend with sediment after it has been carried downstream and deposited in unwanted areas.
- Direct runoff from small disturbed areas to adjoining undisturbed vegetated areas to reduce the potential for concentrated flows and increase settlement and filtering of sediments.
- Concentrated runoff from development should be safely conveyed to stable outlets using rip rapped channels, waterways, diversions, storm drains or similar measures.
- Determine the need for sediment basins. Sediment basins are required on larger developments where major grading is planned and where it is impossible or impractical to control erosion at the source. Sediment basins are needed on large and small sites when sensitive areas such as wetlands, watercourses, and streets would be impacted by off-site sediment deposition. Do not locate sediment basins in wetlands or permanent or intermittent watercourses. Sediment basins should be located to intercept runoff prior to its entry into the wetland or watercourse.

SEPTIC SYSTEM CONSTRUCTION NOTES

1. The building, septic system and well shall be accurately staked in the field by a licensed Land Surveyor in the State of Connecticut, prior to construction.
2. Topsoil shall be removed and in the area of the primary leaching field scarified, prior to placement of septic fill. Septic fill specifications are as follows:

   – Max. percent of gravel (material between No. 4 & 3 inch sieves) = 45%

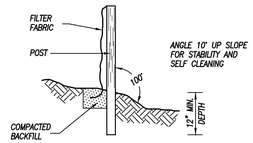
GRADATION OF FILL (MINUS GRAVEL)

SIEVE SIZE	PERCENT PASSING (WET SIEVE)	PERCENT PASSING (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%

   Fill material shall be approved by the sanitarian prior to placement. It shall be compacted in 6" lifts and shall extend a minimum of five feet (5') around the perimeter of the system. Common fill shall extend an additional five feet (5') down gradient of the system (10' total) before tapering off at a maximum slope of 2H:1V.

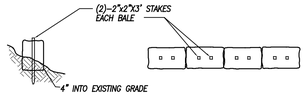
3. Septic tank shall be two compartment precast 1500 gallon tank with gas deflector and outlet filter as manufactured by Jolley Precast, Inc. or equal. Tank shall be tank/pump system combination.
4. Distribution boxes shall be 4 hole precast concrete as manufactured by Jolley Precast, Inc. or equal.
5. All precast structures such as septic tanks, distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans.
6. Solid distribution pipe shall be 4" diameter PVC meeting ASTM D-3034 SDR 35 with compression gasket joints. It shall be laid true to the lines and grades shown on the plans and in no case have a slope less than 0.125 inches per foot.
7. Perforated distribution pipe shall be 4" diameter PVC meeting ASTM D-3034 or ASTM F1760 for SDR 35, or ASTM F810 for SDR 38.
8. Sewer pipe from the foundation wall to the septic tank shall be schedule 40 PVC meeting ASTM D 1785. It shall be laid true to the grades shown on the plans and in no case shall have a slope less than 0.25 inches per foot.
9. Solid footing drain outlet pipe shall be 4" Diameter PVC meeting ASTM D 3034, SDR 35 with compression gasketed joints. Footing drain outlet pipe shall not be backfilled with free draining material, such as gravel, broken stone, rock fragments, etc.
10. Septic sand shall meet the requirements of ASTM C-33 with less than 10% passing a 100 sieve and less than 5% passing a 200 sieve

SIEVE SIZE	% PASSING
0.375	100
#4	95–100
#8	80–100
#16	60–85
#30	25–60
#50	10–30
#100	<10
#200	<5



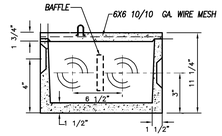
SILT FENCE

NOT TO SCALE



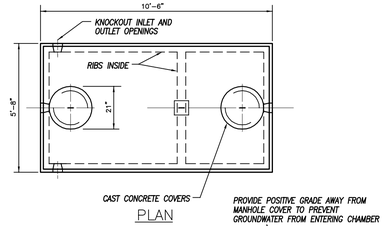
HAYBALE BARRIER

NOT TO SCALE



6 HOLE D-BOX W/BAFFLE

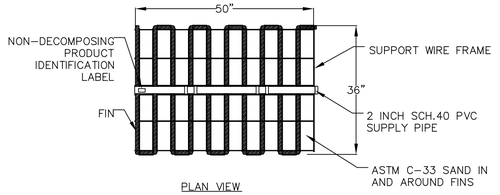
NOT TO SCALE



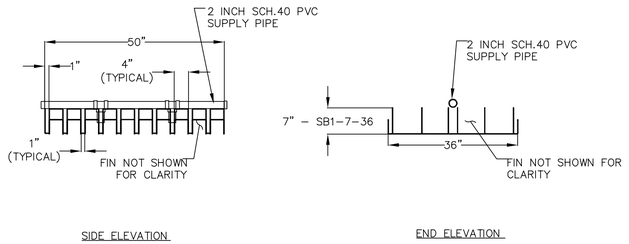
1500 GALLON 2 COMPARTMENT SEPTIC TANK/PUMP SYSTEM WITH TEE BAFFLE

NOT TO SCALE

NOTE: FINAL PUMP FLOAT ELEVATIONS TO BE FIELD DETERMINED BASED UPON ELEVATION OF EXISTING OUTLET



PLAN VIEW

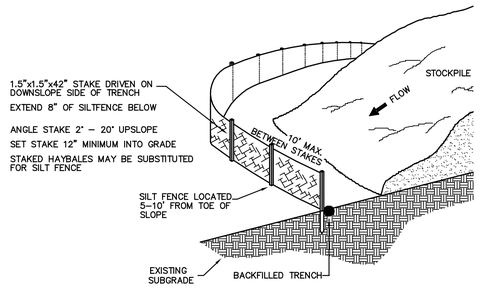


SIDE ELEVATION

END ELEVATION

GEOMATRIX SB1-7-36

NOT TO SCALE



SILT FENCE @ TOE OF SLOPE APPLICATION

NOT TO SCALE

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

5/28/2020	NEIGHBORING WELLS ADDED
DATE	DESCRIPTION
REVISIONS	

DETAIL SHEET

PREPARED FOR

KENNETH E. WETHERBEE & DOROTHY B. WETHERBEE

23 BECOLA ROAD

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: 2/04/2020	DRAWN: AMR
SCALE: NOT TO SCALE	DESIGN: NET
SHEET: 2 OF 2	CHK BY: ---
DWG. No: CLIENT FILE	JOB No: 19127

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Agenda Item E.b) 1.New Applications

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.

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

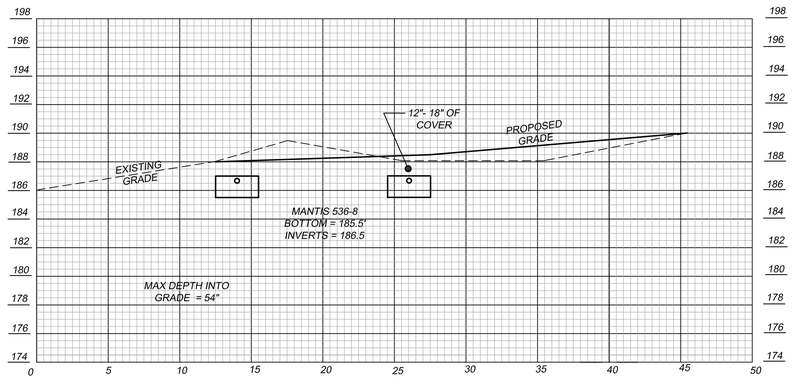
PERC.TEST RESULTS

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, 1996.

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

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 2665 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.

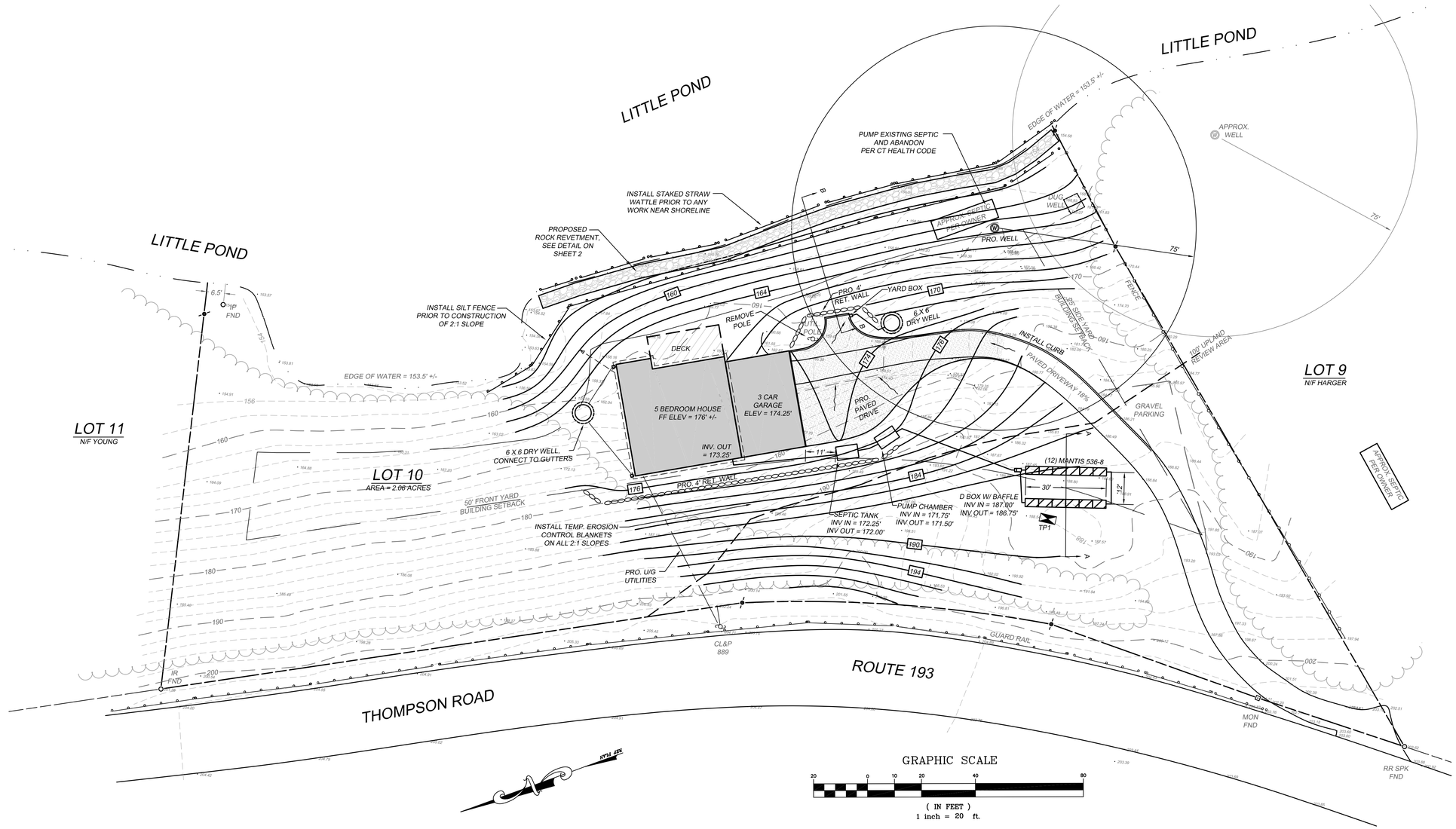
2. EROSION CONTROL DEVICES MUST BE INSTALLED WHERE INDICATED ON THIS SHEET PRIOR TO THE START OF CONSTRUCTION.

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

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

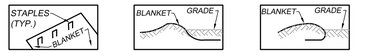
DESIGNED: DDB
CHECKED: DRB

REVISIONS:

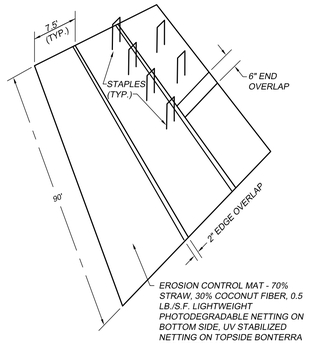
JOB NO: 19216 DATE: JUNE 15, 2020

SCALE: 1" = 20' SHEET: 1 OF 2

NDDH FILE #20000144



ANCHORING METHOD 'A' | ANCHORING METHOD 'B' | ANCHORING METHOD 'C'



EROSION CONTROL MAT - 70% STRAW, 30% COCONUT FIBER, 0.5 LB./S.F. LIGHTWEIGHT PHOTODEGRADABLE NETTING ON BOTTOM SIDE, UV STABILIZED NETTING ON TOPSIDE BONTERRA CS2 OR EQUAL.

INSTALLATION NOTES ON SLOPES:

-GRADE AND SMOOTH SLOPE. APPLY FERTILIZER ADD SEED PRIOR TO INSTALLING BLANKETS UNLESS USED AS TEMPORARY SEASONAL COVER.

-ANCHOR BLANKETS AT TOP OF SLOPE. USE ANCHORING METHOD "A" FOR 4:1 SLOPES, "B" FOR 3:1 SLOPES AND "C" FOR 2:1 AND STEEPER SLOPES.

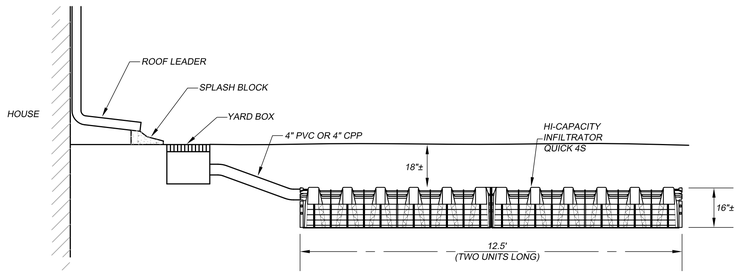
-UNROLL BLANKETS IN DIRECTION OF WATER FLOW. PLACE BLANKETS LOOSELY AND IN FULL CONTACT WITH THE SOIL.

-OVERLAP BLANKET EDGES APPROXIMATELY 2" AND STAPLE. NOTE: INSTALL BLANKETS SO EDGE OVERLAPS ARE SHINGLED AWAY FROM PREVAILING WIND.

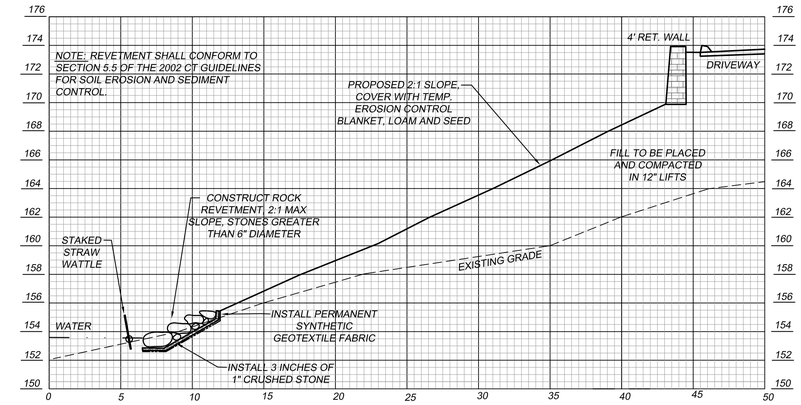
-OVERLAP BLANKET ENDS 6", UPPER BLANKET OVER LOWER BLANKET, AND STAPLE USING FIVE STAPLES (ANCHOR "A").

-CUT EXCESS BLANKET WITH SCISSORS AND ANCHOR AT END OF SLOPE. USE ANCHORING METHOD "A" FOR 4:1 SLOPES AND "B" FOR SLOPES 3:1 OR STEEPER.

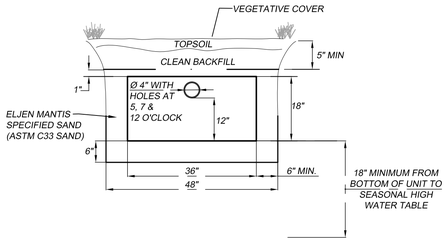
EROSION CONTROL BLANKET DETAIL
N.T.S.



ROOF DRAIN INFILTRATOR DETAIL
NOT TO SCALE



REVETMENT CROSS SECTION B-B
1" = 5'

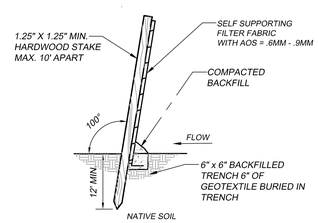


NOTE: VENTING REQUIRED WHEN MORE THAN 18" OF COVER AS MEASURED FROM THE TOP OF THE UNIT TO FINISHED GRADE.

MANTIS 536-8 CROSS SECTION
NOT TO SCALE

STORM WATER MANAGEMENT:

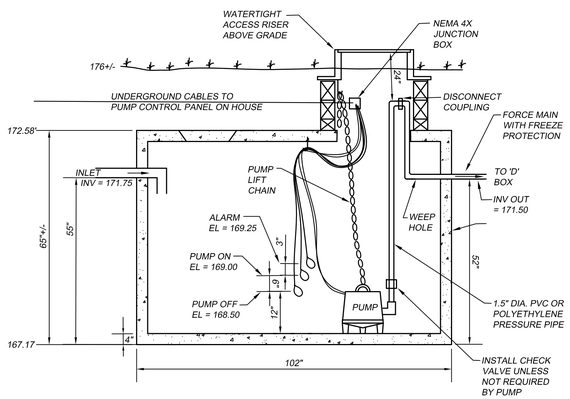
1. DUE TO THE STEEP TOPOGRAPHY AND PROXIMITY TO THE POND, THE MAJORITY OF STORM WATER FROM IMPERVIOUS SURFACES SHALL BE CAPTURED AND INFILTRATED.
2. STORM WATER INFILTRATION DEVICES ARE SHOWN AS EXAMPLES ONLY. THE OWNER AND CONTRACTOR MAY SUBSTITUTE ALTERNATIVE METHODS OF INFILTRATION.
3. RUNOFF FROM THE DRIVEWAY SHALL BE DIRECTED TO A STORM WATER INFILTRATION SYSTEM WITH AT LEAST 1000 GALLONS OF STORAGE.
4. RUNOFF FROM THE ROOF SHALL BE DIRECTED TO A STORM WATER INFILTRATION SYSTEM WITH AT LEAST 1000 GALLONS OF STORAGE.
5. OUTLETS FOR OVER FLOW SHALL BE INCLUDED IN EACH SYSTEM.
6. ALTERNATIVE METHODS OF INFILTRATION MAY INCLUDE BUT ARE NOT LIMITED TO: RAIN GARDENS, CULTECH CONTACTORS, CULTECH RECHARGERS, INFILTRATOR QUICK4S, ETC.
7. NO ELEVATIONS HAVE BEEN PROVIDED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE APPROPRIATE ELEVATIONS FOR GRAVITY FLOW.



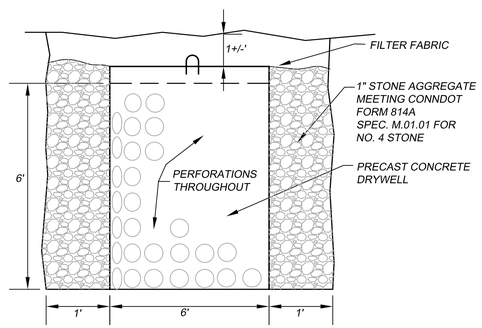
SILT FENCE INSTALLATION
NOT TO SCALE

PUMP AND PUMP CHAMBER SPECIFICATIONS:

1. PUMP SHALL BE LITTLE GIANT 9EC OR EQUAL SUBMERSIBLE EFFLUENT PUMP.
2. PUMP SOLIDS HANDLING CAPABILITY IS 3/4".
3. DISCHARGE AND FORCE MAIN SHALL BE 1.5" IN DIAMETER.
4. ALL EXPOSED HARDWARE SHALL BE STAINLESS STEEL.
5. THE PUMP SHALL BE INSTALLED WITH A FLEXIBLE HOSE AND LIFTING CHAIN SO THAT THE PUMP CAN BE REMOVED WITHOUT HAVING TO DRAIN OR ENTER CHAMBER.
6. THE 1000 GALLON PRECAST CONCRETE PUMP CHAMBER SHALL BE WATERTIGHT AS MANUFACTURED BY JOLLEY PRECAST OR EQUAL, HEAVY DUTY CONSTRUCTION. THE ACCESS MANHOLES SHALL EXTEND 12" ABOVE FINISHED GRADE.
7. FLOATS TO CONTROL PUMP ON, PUMP OFF, AND ALARM SHALL BE INSTALLED IN ACCORDANCE TO THE MANUFACTURERS SPECIFICATIONS.
8. ALL CONTROLS SHALL BE ENCLOSED IN A NEMA 1 CONTROL PANEL WHICH SHALL BE INSTALLED INSIDE THE HOUSE.
9. AN AUDIO AND / OR VISUAL HIGH WATER ALARM SHALL BE INSTALLED IN THE HOUSE.
10. ALL MATERIALS, HARDWARE, AND EQUIPMENT SHALL MEET ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
11. INVERTS SHOWN ARE BASED ON THE PUMP AND TANK SPECIFIED.
12. PUMP OFF LEVEL IS BASED ON AN ASSUMED MIN. LIQUID LEVEL OF 12".
13. INVERTS SPECIFIED WILL PROVIDE THE FOLLOWING FOR A 5 BEDROOM HOUSE WITH A DESIGN FLOW OF 660 GPD:
    - DOSING VOLUME: 129 GALLONS
    - DOSING FREQUENCY: 4-5 TIMES PER DAY
    - EMERGENCY STORAGE ABOVE ALARM LEVEL: 650 GALLONS
14. MANTIS RECOMMENDS A MAXIMUM DOSING VOLUME OF 15 GALLONS PER UNIT, FOR A TOTAL MAXIMUM DOSING VOLUME OF 180 GALLONS



1000 GALLON PUMP CHAMBER
N.T.S.



DRY WELL DETAIL
NOT TO SCALE

NOTES AND DETAILS
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: DDB
CHECKED: DRB
REVISIONS:

JOB NO: 19216 | DATE: JUNE 15, 2020
SCALE: 1" = 20' | SHEET: 2 OF 2

Date: 07/12/2020 [07:18:46 AM CDT]
From: wetlands@thompsonct.org
To: Daniel Blanchette <daniel@jdcivilengineers.com>
Subject: Application WAA20022, Mark Baer, 1227 Thompson Rd - Request for PDF of plans

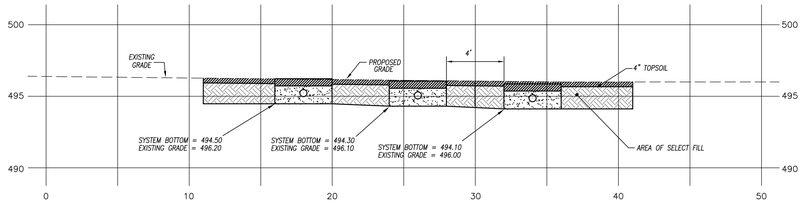
Daniel,

I have received Mr. Baer's application and assigned it application # WAA20022. As I mentioned over the phone to you last week, because of the nature of the work I will be requesting the application be processed as an individual permit application. Could you please forward to me a PDF of the Baer site plans by Monday noon for inclusion in the ZOOM documents to be posted for the Inland Wetlands Commission's July 14, 2020 meeting? It would be most helpful. - Marla

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

Agenda Item E.b) 2. New 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.



CROSS SECTION "A–A"

SCALE; 1" = 5'

EROSION & SEDIMENTATION NOTES AND SEQUENCE OF OPERATIONS

1. The proposed activity consists of the construction of a 3 bedroom house, driveway, septic system and well.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. The responsibility for implementation of this plan shall rest with Tom Murray, 24 Pattison Road, Webster Ma 01570 Telephone: (508) 844–3089
10. Seed Mixture:

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

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

11. Schedule of construction actuaries:

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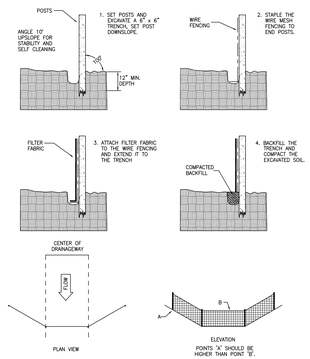
Well Drilling:	May 1 – May 15
Site Grading and Foundation Construction:	May 15 – June 1
Driveway and Septic System Installation:	June 1 – June 15
Building Construction:	June 1 – Aug 1
Loam and Seeding:	Aug 1 – Aug 15

NOTES:

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

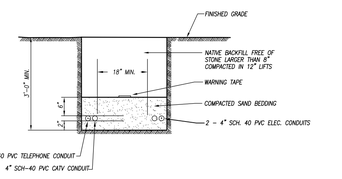
MAP REFERENCES:

1. "Subdivision of Land Owned by Estate of Josephine Pleshala – Judith Swayze Conservatrix – Sand Dam Road – Thompson, Connecticut – Scale 1" = 40' – Dated April 25, 1991 – Prepared by Albert Fitzback, LLS" – On File as map #1188
2. " 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 Assocaites" – On File as map #1254



SILT FENCE

NOT TO SCALE



U/G UTILITIES CONDUIT IN TRENCH

NOT TO SCALE

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

1. 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.
2. 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.

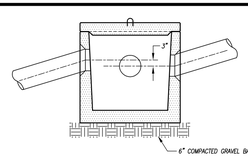
Fine Fraction:

Sieve	Percent Passing WET	DRY
No. 4	100	100
No. 10	70–100	70–100
No. 40	10–50*	10–75
No. 100	0–20	0–5
No. 200	0–5	0–2.5

Percent passing the #40 sieve can be increased to no greater than 75% if the percent passing the #100 sieve does not exceed 10% and the #200 sieve does not exceed 5%.

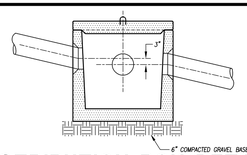
3. Precast septic tanks & distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans.

   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.
4. Sewer pipe from the foundation wall to the septic tank shall be centrifically cast iron meeting the requirements of ASTM A 74 or schedule 40 PVC meeting ASTM–1785.
5. 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.



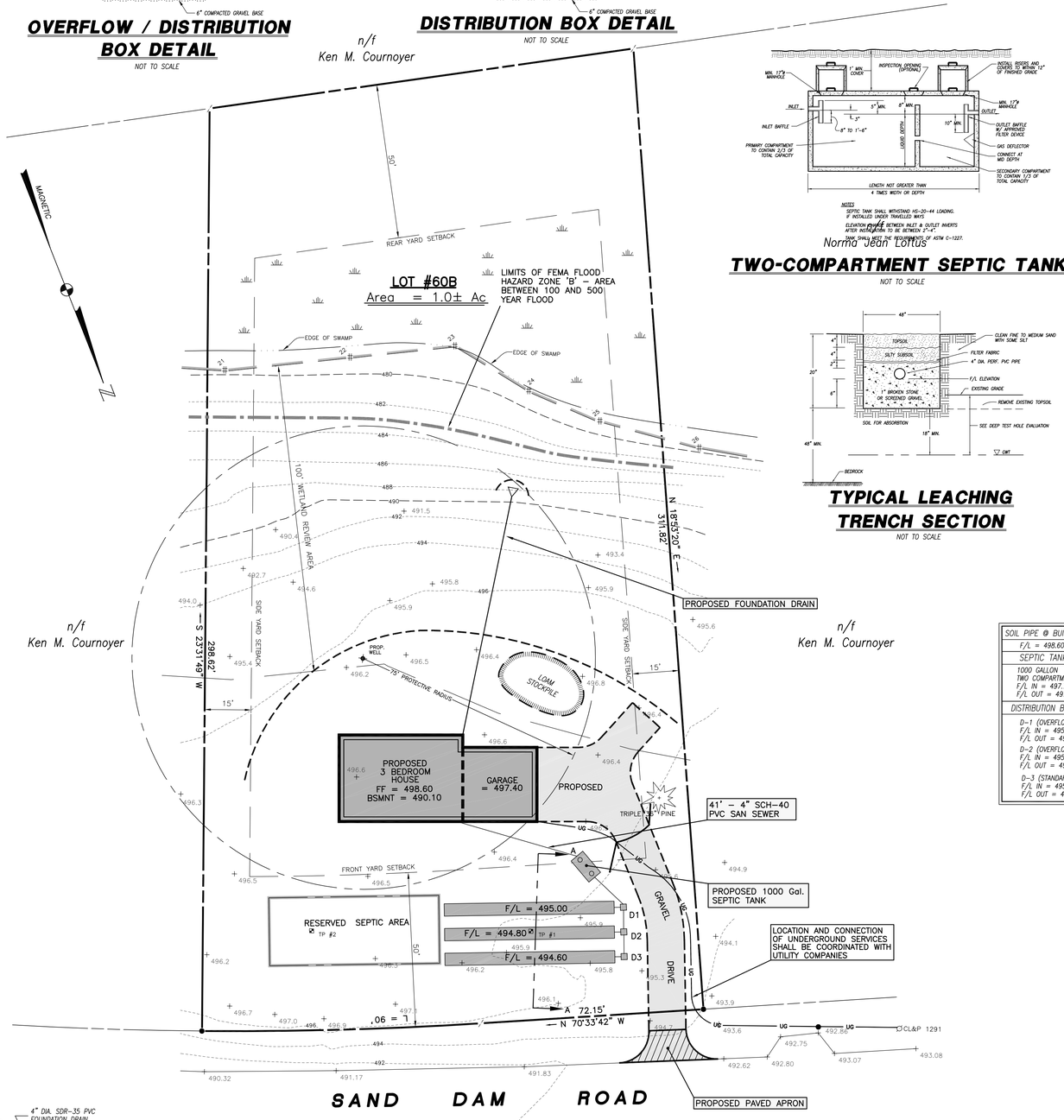
OVERFLOW / DISTRIBUTION BOX DETAIL

NOT TO SCALE



DISTRIBUTION BOX DETAIL

NOT TO SCALE



NOTES

SEPTIC TANK SHALL WITHSTAND HS–20–44 LOADING.
9" INSTALLED UNDER TRAVELLED WAYS
ELEVATION DROP BETWEEN INLET & OUTLET INVERTS AFTER INSTALLATION TO BE BETWEEN 2"–4".
TANK SHALL MEET THE REQUIREMENTS OF ASTM C–1227.

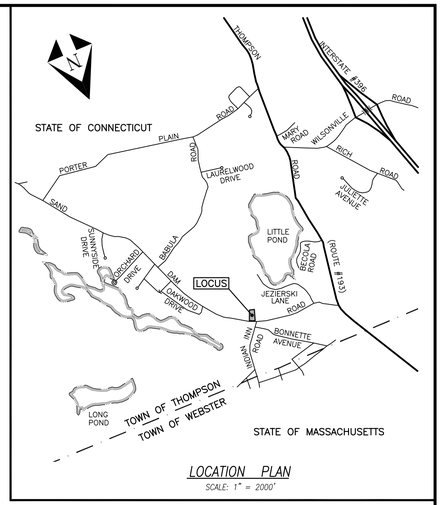
Norma Jean Loftus

TWO–COMPARTMENT SEPTIC TANK

NOT TO SCALE

TYPICAL LEACHING TRENCH SECTION

NOT TO SCALE



LOCATION PLAN

SCALE: 1" = 2000'

DEEP TEST HOLE EVALUATION – June 2, 2020
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
	GWT	N/A
	Mottling	N/A
2	0"– 9"	Topsoil
	9"– 24"	Orange Brown Gravelly Loamy Fine Sand
	24"– 89"	Gravelly Medium–Coarse Sand Layers
	Ledge	N/A
	GWT	N/A
	Mottling	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

SOIL PIPE @ BUILDING
F/L = 498.60
SEPTIC TANK
1000 GALLON TWO COMPARTMENT F/L IN = 497.78 F/L OUT = 497.53
DISTRIBUTION BOXES
D–1 (OVERFLOW) F/L IN = 495.00 F/L OUT = 495.25
D–2 (OVERFLOW) F/L IN = 495.80 F/L OUT = 495.05
D–3 (STANDARD) F/L IN = 495.85 F/L OUT = 495.60

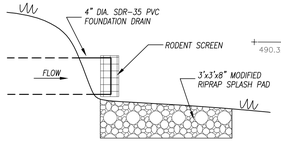
BASIS OF SANITARY DESIGN

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"



FOUNDATION DRAIN OUTLET

NOT TO SCALE

LEGEND

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

20 10 0 20 40
scale feet

K W P associates
P.O. BOX 106, POMFRET CENTER, CT. 06259

DAVID A. SMITH, P.E. #14173 — 6/10/2020 DATE

NOT VALID UNLESS SEAL IS AFFIXED HERETO

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

BRUCE D. WOODIS, Conn. L.S. #13646 — 6/10/2020

No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.

Septic System Design Plan
Lot #60B
Prepared For

THOMAS MURRAY

SAND DAM ROAD
THOMPSON, CONNECTICUT

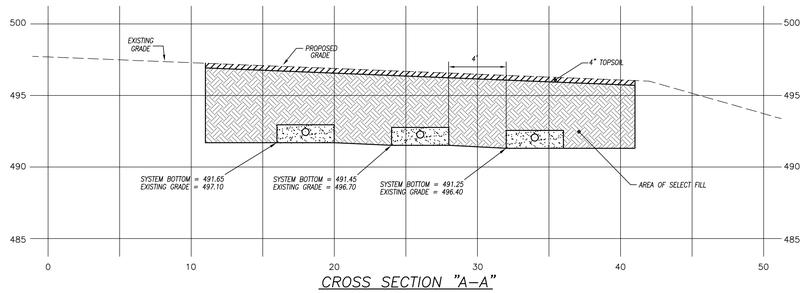
KWP associates
SURVEYING ~ ENGINEERING ~ SITE PLANNING
250 Killingly Road
Pomfret Center, Ct. 06259–0106

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

C:\Users\jenny\OneDrive\JOBS\20017\DGN\20017-Lotsg 6/10/2020 12:48:47 PM JENNY

Agenda Item E.b) 3. New 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.



CROSS SECTION "A–A"

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11. Schedule of construction actuaries:

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3. Elevations based on National Geodetic Vertical Datum of 1929. Contours taken from actual field survey. Contour interval = 2'.
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5. Parcel is shown as Lot #60C, Block #24 on Assessor's Tax Map #114 Tax Map #114
6. Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1–800–922–4455.

MAP REFERENCES:

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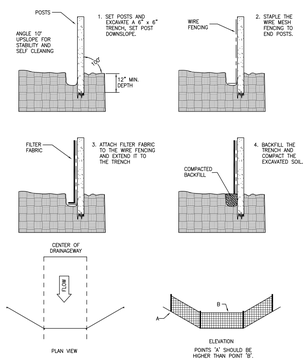
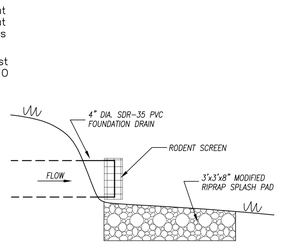


SILT FENCE

NOT TO SCALE

n/f
John Trull et al



FOUNDATION DRAIN OUTLET

NOT TO SCALE

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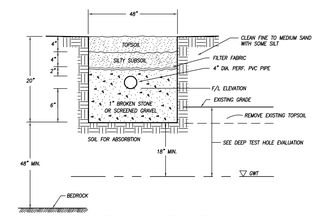
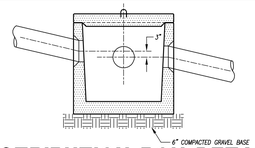


TYPICAL LEACHING TRENCH SECTION

NOT TO SCALE



DISTRIBUTION BOX DETAIL

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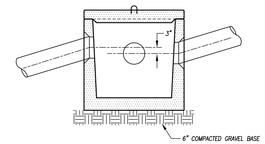
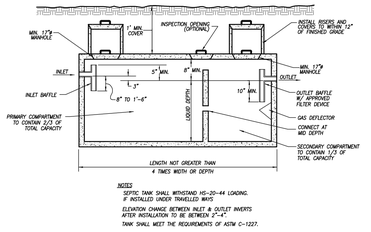


OVERFLOW / DISTRIBUTION BOX DETAIL

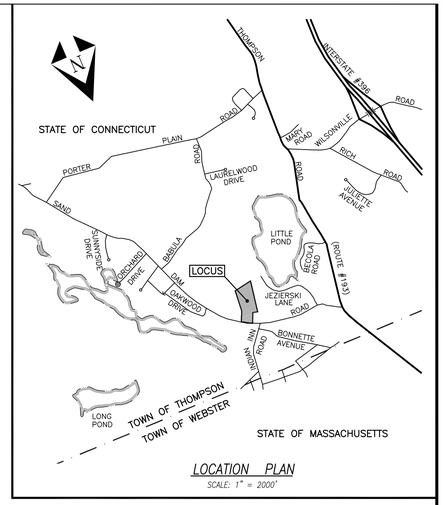
NOT TO SCALE



NOTES
SEPTIC TANK SHALL WITHSTAND HS–20–44 LOADING. 8" INSTALLED UNDER TRAVELLED WAYS
ELEVATION CHANGE BETWEEN INLET & OUTLET INVERTS AFTER INSTALLATION TO BE BETWEEN 2"–4".
TANK SHALL MEET THE REQUIREMENTS OF ASTM C–1227.

TWO–COMPARTMENT SEPTIC TANK

NOT TO SCALE



LOCATION PLAN

SCALE: 1" = 2000'

LOT #60C
(FORMER #LOT 60A)
Total Combined
Area = 17.1± Ac

SUBDIVISION
LOT #60C
Area = 1.54± Ac

N 25°14'31" E
295.61'

S 23°31'49" W
298.62'

49.54'
N 49°56'12" W

L = 273.90'

D = 12°24'42"
R = 1,264.41'
L = 273.90'
Ch = S 60°15'46" E
273.37'

LIMITS OF FEMA FLOOD HAZARD ZONE 'B' – AREA BETWEEN 100 AND 500 YEAR FLOOD

EDGE OF WETLAND AS DELINATED BY MICHAEL SCHAFFER FOR 1991 SUBDIVISION PLAN (SEE MAP REFERENCE#1)

100' WETLAND REVIEW AREA

EDGE OF SWAMP

EDGE OF SWAMP

PROPOSED FOUNDATION DRAIN

PROPOSED SILTFENCE (TYP)

PROP. WELL

75' PROTECTIVE RADIUS

LOAM STOCKPILE

LOCATION AND CONNECTION OF UNDERGROUND SERVICES SHALL BE COORDINATED WITH UTILITY COMPANIES

FRONT YARD SETBACK

SIDE YARD SETBACK

15'

50'

GARAGE = 494.80

PROPOSED 3 BEDROOM HOUSE FF = 496.00 BSMNT = 487.50

DRIVE

GRAVEL

PROPOSED

RESERVED SEPTIC AREA

TP #4

TP #3

F/L = 492.15 D1

F/L = 491.95 D2

F/L = 491.75 D3

25' – 4" SCH–40 PVC SAN SEWER

PROPOSED 1000 Gal. SEPTIC TANK

INV = 478.72

CONCRETE HEADWALL

CL&P 3082

PROPOSED PAVED APRON

SAND DAM ROAD

LOT #60B
n/f
Ken M. Cournoyer

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
	GWT	N/A
	Mottling	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
	GWT	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	26 1/4"
	12:06	28" (Dry)
	Depth	28"

Minimum Percolation Rate = 1.14 min/inch

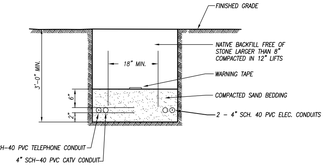
BASIS OF SANITARY DESIGN

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"



U/G UTILITIES CONDUIT IN TRENCH

NOT TO SCALE
NOTE: 1. CONTRACTOR TO VERIFY SIZES OF CONDUITS WITH RESPECTIVE UTILITY COMPANIES
2. SCH–40 RIGID GALVANIZED STEEL SHALL BE USED FOR ALL SWEEPS

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

20 10 0 20 40
scale feet

K W P associates
P.O. BOX 106, POMFRET CENTER, 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 hereon.

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.

Septic System Design Plan
Lot #60C
Prepared For

THOMAS MURRAY

SAND DAM ROAD
THOMPSON, CONNECTICUT

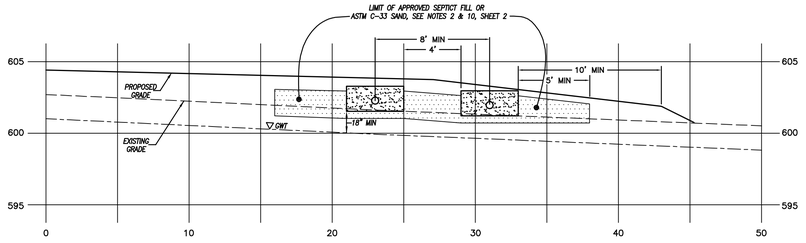
KWP associates
SURVEYING ~ ENGINEERING ~ SITE PLANNING
250 Killingly Road
Pomfret Center, Ct. 06259–0106

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

C:\Users\jenni\Downloads\20017SSD-1.dwg 6/15/2020 3:24:03 PM, EXPRESS

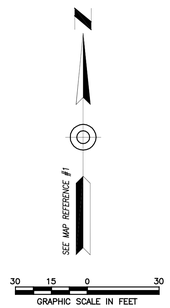
Agenda Item E.b) 4. New Applications

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 July 10, 2020, legal notice to be published 7/17/2020.

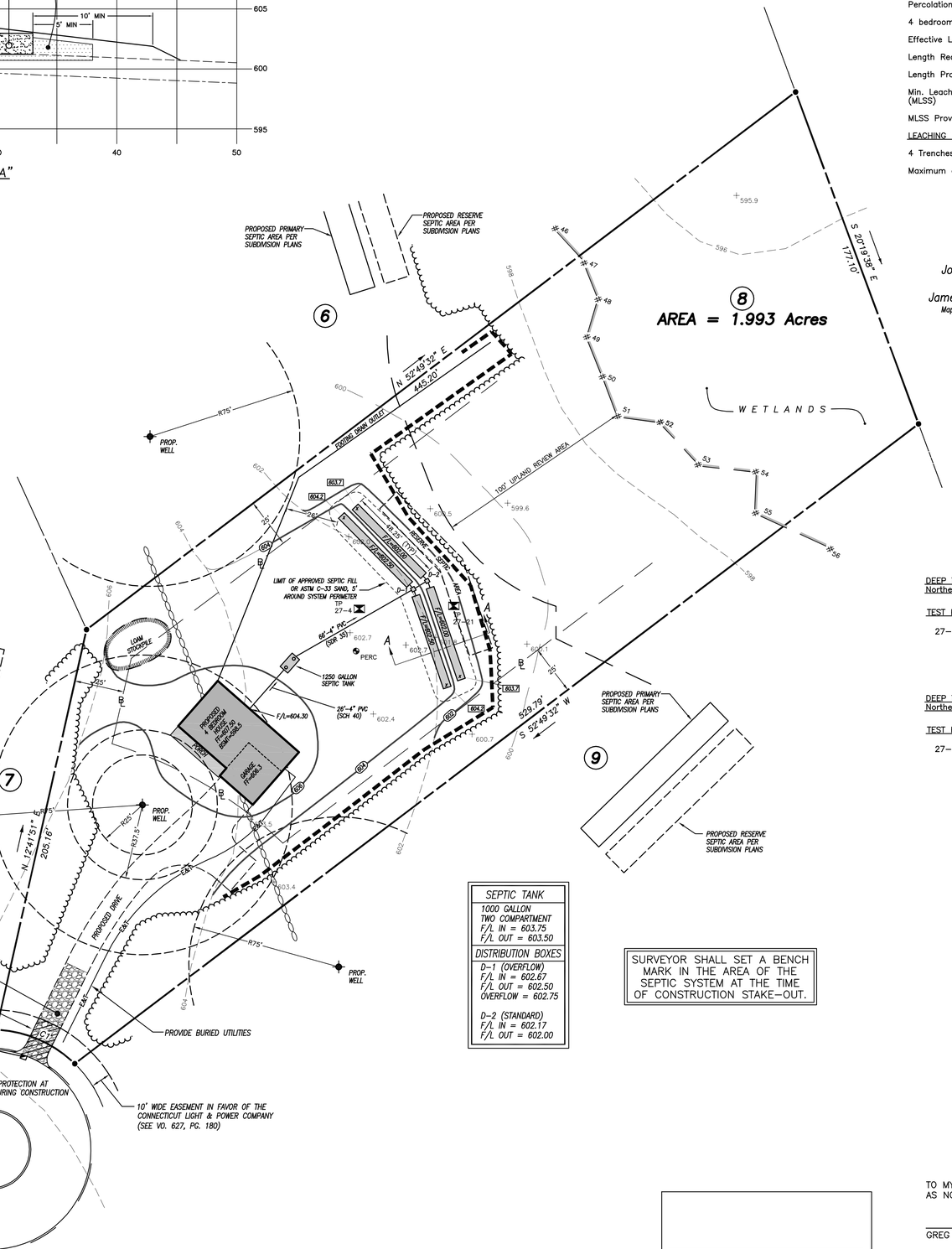


CROSS SECTION "A–A"

SCALE: 1" = 5'



CURVE DATA
C1
R = 60.00'
D = 41°45'08"
L = 43.72'
CH = S 66°30'41" E
42.76'



SEPTIC TANK
1000 GALLON TWO COMPARTMENT F/L IN = 603.75 F/L OUT = 603.50
DISTRIBUTION BOXES
D-1 (OVERFLOW) F/L IN = 602.67 F/L OUT = 602.50 OVERFLOW = 602.75
D-2 (STANDARD) F/L IN = 602.17 F/L OUT = 602.00

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

LEGEND

F.F.	FINISHED FLOOR
●	IRON PIN TO BE SET
◪	PROPOSED CATCH BASIN
100	EXISTING CONTOURS
100	PROPOSED CONTOURS
#	INLAND WETLANDS FLAG
BSL	BUILDING SETBACK LINE
P.T.	PERCOLATION TEST HOLE
◪	TEST HOLE
D	PROPOSED STORM DRAIN
	STONE WALL
	SILT FENCE

SEPTIC SYSTEM DESIGN DATA

Percolation Rate	=	7.5 min. / in.
4 bedroom house requires	=	577.5 s.f. effective leaching area
Effective Leaching area	=	3 s.f. / l.f. of trench
Length Required	=	577.5/3 = 192.5 l.f.
Length Provided	=	4 (48.25') = 193 l.f.
Min. Leaching System Spread (MLSS)	=	48 x 1.75 x 1.0 = 84.0'
MLSS Provided	=	96.5'

LEACHING FIELD

4 Trenches @ 48.25 l.f. each

Maximum depth into existing grade = 6"

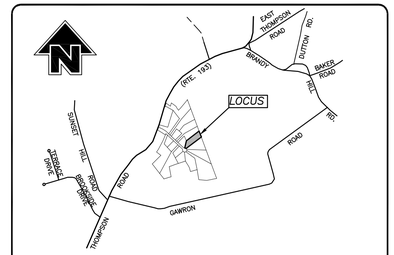
n/f
John F. McWilliam
&
James Scott McWilliam
Map 122, Block 31, lot 10

DEEP TEST HOLE EVALUATION – June 22, 1988
Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
27–4	0"– 5"	Topsoil
	5"– 25"	Fine Sandy Loam
	25"– 90"	Gr. Sandy pan
	Ledge	N/A
	GWT	83"
	Mottling	24"

DEEP TEST HOLE EVALUATION – December 6, 1988
Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
27–21	0"– 7"	Topsoil
	7"– 27"	Sandy Loam
	27"– 87"	Sandy Pan Compact
	Ledge	N/A
	GWT	N/A
	Mottling	25"



LOCATION MAP

SCALE: 1" = 1000'

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:

1. 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.

2. Zone = R–40.
3. Owner of record: Madison Avenue Investments, LLC
   89 Wauregan Road
   Brooklyn, CT 06234
4. Parcel is shown as Lot #6H, Block #31 on Assessors Map #103.
5. Elevations shown are based on National Geodetic Vertical Datum of 1929 (NGVD 29). Contours shown are taken from map reference. Contour interval = 2'.
6. Test Pit data taken from map reference.
7. Wetlands shown were taken from map reference.
8. Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1–800–922–4455 or 811.

MAP REFERENCE:

1. "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.
2. "Compilation Plan – Map Showing Easement Area To Be Granted To – The Connecticut Light & Power Company – Across The Property Of – Meehan Builders, Inc. – Thompson Road (Route 193) – Thompson, Connecticut – Scale: 1" = 100' Date: 9/28/2005 – Sheet 1 of 1 – prepared by: Provost & Rovero, Inc." On file in the Thompson Land Records.

5/29/2020	REVISED SYSTEM TO A 4 BEDROOM
DATE	DESCRIPTION
REVISIONS	

GENERAL LOCATION SURVEY
SEPTIC SYSTEM DESIGN PLAN - LOT 8
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: 10/24/2019	DRAWN: AMR
SCALE: 1" = 30'	DESIGN: NET
SHEET: 1 OF 2	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 15048

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

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

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

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

K:\15048\Drawings\SSD\Lot 8\15048 SSD LOT 8.dwg Jun 01, 2020 - 7:44 AM

EROSION AND SEDIMENT CONTROL NARRATIVE:

PRINCIPLES OF EROSION AND SEDIMENT CONTROL

The primary function of erosion and sediment controls is to absorb erosional energies and reduce runoff velocities that force the detachment and transport of soil and/or encourage the deposition of eroded soil particles before they reach any sensitive area.

KEEP LAND DISTURBANCE TO A MINIMUM

The more land that is in vegetative cover, the more surface water will infiltrate into the soil, thus minimizing stormwater runoff and potential erosion. Keeping land disturbance to a minimum not only involves minimizing the extent of exposure at any one time, but also the duration of exposure. Phasing, sequencing and construction scheduling are interrelated. Phasing divides a large project into distinct sections where construction work over a specific area occurs over distinct periods of time and each phase is not dependent upon a subsequent phase in order to be functional. A sequence is the order in which construction activities are to occur during any particular phase. A sequence should be developed on the premise of "first things first" and "last things last" with proper attention given to the inclusion of adequate erosion and sediment control measures. A construction schedule is a sequence with time lines applied to it and should address the potential overlap of actions in a sequence which may be in conflict with each other.

- Limit areas of clearing and grading. Protect natural vegetation from construction equipment with fencing, tree armoring, and retaining walls or tree wells.
- Route traffic patterns within the site to avoid existing or newly planted vegetation.
- Phase construction so that areas which are actively being developed at any one time are minimized and only that area under construction is exposed. Clear only those areas essential for construction.
- Sequence the construction of storm drainage systems so that they are operational as soon as possible during construction. Ensure all outlets are stable before outletting storm drainage flow into them.
- Schedule construction so that final grading and stabilization is completed as soon as possible.

SLOW THE FLOW

Detachment and transport of eroded soil must be kept to a minimum by absorbing and reducing the erosive energy of water. The erosive energy of water increases as the volume and velocity of runoff increases. The volume and velocity of runoff increases during development as a result of reduced infiltration rates caused by the removal of existing vegetation, removal of topsoil, compaction of soil and the construction of impervious surfaces.

- Use diversions, stone dikes, silt fences and similar measures to break flow lines and dissipate storm water energy.
- Avoid diverting one drainage system into another without calculating the potential for downstream flooding or erosion.

KEEP CLEAN RUNOFF SEPARATED

Clean runoff should be kept separated from sediment laden water and should not be directed over disturbed areas without additional controls. Additionally, prevent the mixing of clean off–site generated runoff with sediment laden runoff generated on–site until after adequate filtration of on–site waters has occurred.

- Segregate construction waters from clean water.
- Divert site runoff to keep it isolated from wetlands, watercourses and drainage ways that flow through or near the development until the sediment in that runoff is trapped or detained.

REDUCE ON SITE POTENTIAL INTERNALLY AND INSTALL PERIMETER CONTROLS

While it may seem less complicated to collect all waters to one point of discharge for treatment and just install a perimeter control, it can be more effective to apply internal controls to many small sub–drainage basins within the site. By reducing sediment loading from within the site, the chance of perimeter control failure and the potential off–site damage that it can cause is reduced. It is generally more expensive to correct off–site damage than it is to install proper internal controls.

- Control erosion and sedimentation in the smallest drainage area possible. It is easier to control erosion than to contend with sediment after it has been carried downstream and deposited in unwanted areas.
- Direct runoff from small disturbed areas to adjoining undisturbed vegetated areas to reduce the potential for concentrated flows and increase settlement and filtering of sediments.
- Concentrated runoff from development should be safely conveyed to stable outlets using rip rapped channels, waterways, diversions, storm drains or similar measures.
- Determine the need for sediment basins. Sediment basins are required on larger developments where major grading is planned and where it is impossible or impractical to control erosion at the source. Sediment basins are needed on large and small sites when sensitive areas such as wetlands, watercourses, and streets would be impacted by off–site sediment deposition. Do not locate sediment basins in wetlands or permanent or intermittent watercourses. Sediment basins should be located to intercept runoff prior to its entry into the wetland or watercourse.

SEPTIC SYSTEM CONSTRUCTION NOTES

1. The building, septic system and well shall be accurately staked in the field by a licensed Land Surveyor in the State of Connecticut, prior to construction.
2. Topsoil shall be removed and in the area of the primary leaching field scarified, prior to placement of septic fill. Septic fill specifications are as follows:

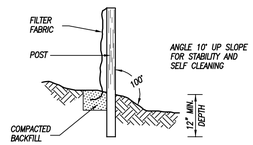
   – Max. percent of gravel (material between No. 4 & 3 inch sieves) = 45%

   GRADATION OF FILL (MINUS GRAVEL)

SIEVE SIZE	PERCENT PASSING (WET SIEVE)	PERCENT PASSING (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%

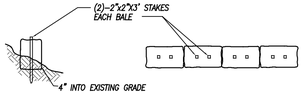
   Fill material shall be approved by the sanitarian prior to placement. It shall be compacted in 6" lifts and shall extend a minimum of five feet (5') around the perimeter of the system. Common fill shall extend an additional five feet (5') down gradient of the system (10' total) before tapering off at a maximum slope of 2H:1V.
3. Septic tank shall be two compartment precast 1250 gallon tank with gas deflector and outlet filter as manufactured by Jolley Precast, Inc. or equal.
4. Distribution boxes shall be 4 hole precast concrete as manufactured by Jolley Precast, Inc. or equal.
5. All precast structures such as septic tanks, distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans.
6. Solid distribution pipe shall be 4" diameter PVC meeting ASTM D–3034 SDR 35 with compression gasket joints. It shall be laid true to the lines and grades shown on the plans and in no case have a slope less than 0.125 inches per foot.
7. Perforated distribution pipe shall be 4" diameter PVC meeting ASTM D–3034 or ASTM F1760 for SDR 35, or ASTM F810 for SDR 38.
8. Sewer pipe from the foundation wall to the septic tank shall be schedule 40 PVC meeting ASTM D 1785. It shall be laid true to the grades shown on the plans and in no case shall have a slope less than 0.25 inches per foot.
9. Solid footing drain outlet pipe shall be 4" Diameter PVC meeting ASTM D 3034, SDR 35 with compression gasketed joints. Footing drain outlet pipe shall not be backfilled with free draining material, such as gravel, broken stone, rock fragments, etc.
10. Septic sand shall meet the requirements of ASTM C–33 with less than 10% passing a 100 sieve and less than 5% passing a 200 sieve

SIEVE SIZE	% PASSING
0.375	100
#4	95–100
#8	80–100
#16	60–85
#30	25–60
#50	10–30
#100	<10
#200	<5



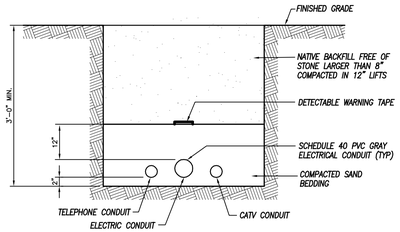
SILT FENCE

NOT TO SCALE



HAYBALE BARRIER

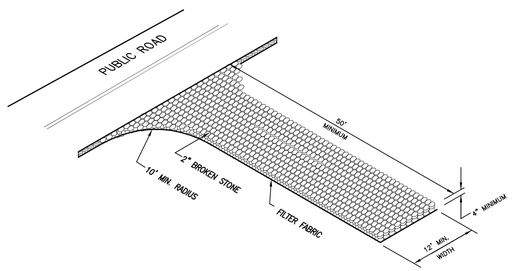
NOT TO SCALE



NOTE: CONTRACTOR SHALL PROVIDE SILT/CLAY DAMS AT 100' INTERVALS ALONG PROPOSED UTILITY TRENCH TO AVOID TRANSPORTING INTERCEPTED WATER.

UNDERGROUND UTILITY TRENCH

NOT TO SCALE



CONSTRUCTION ENTRANCE

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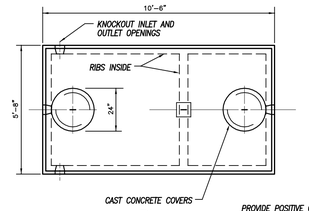
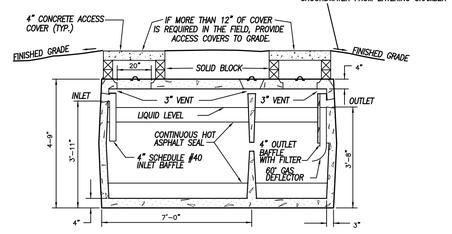


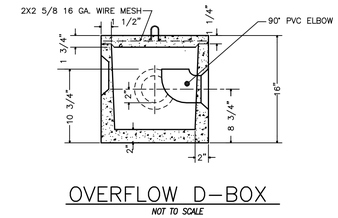
PLAN



CROSS SECTION

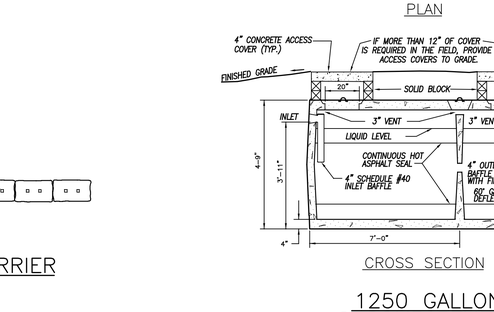
1250 GALLON
2 COMPARTMENT
SEPTIC TANK

NOT TO SCALE



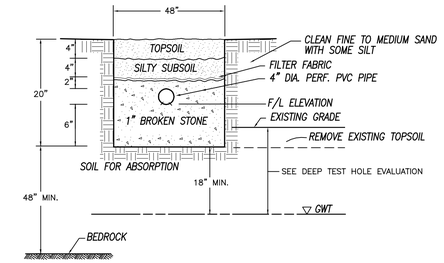
OVERFLOW D–BOX

NOT TO SCALE



SILT FENCE @ TOE OF SLOPE APPLICATION

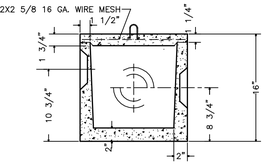
NOT TO SCALE



APPROVED SEPTIC FILL TO EXTEND 5' AROUND THE PERIMETER OF TRENCHES

TYPICAL LEACHING
TRENCH SECTION

NOT TO SCALE



STANDARD D–BOX

NOT TO SCALE

5/29/2020	REVISED SEPTIC SYSTEM TO A 4 BEDROOM
DATE	DESCRIPTION
REVISIONS	

DETAIL SHEET - LOT 8

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

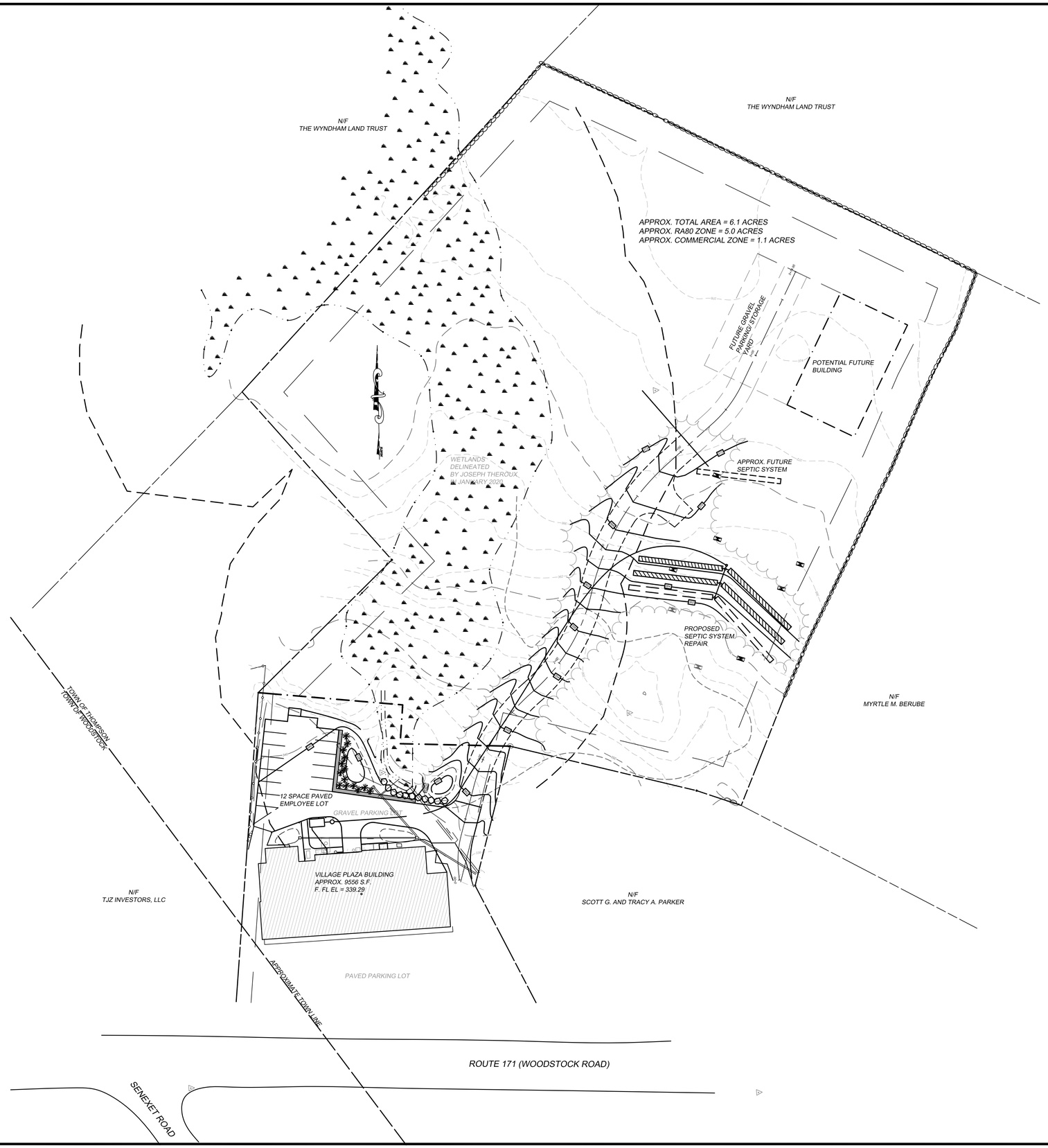
DATE: 10/24/2019	DRAWN: AMR
SCALE: NOT TO SCALE	DESIGN: NET
SHEET: 2 OF 2	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 15048

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

K:\15048\Drawings\SS07\Lot 8\15048 DET LOT 8.dwg Jun 01, 2020 - 7:49 AM

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

WAA20026 WBA Real Estate, LLC, 22 Woodstock Ave. (Rte 171) (Assessor's Map 29. Block 104, Lot 23), septic repair and improvements to back parking lot in 100-foot upland review area, stamped received by the Town Clerk's Office 7/10/2020.



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

TOPOGRAPHOC 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	12107 LICENSE NUMBER

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

APPROX. TOTAL AREA = 6.1 ACRES
APPROX. RA80 ZONE = 5.0 ACRES
APPROX. COMMERCIAL ZONE = 1.1 ACRES

NORTH

BENCHMARK SPIKE EL = 373.86

LIMIT OF DRIVEWAY CONSTRUCTION STA 4+10

POTENTIAL FUTURE PARKING LOT

POTENTIAL FUTURE BUILDING

100' UPLAND REVIEW AREA

WETLANDS DELINEATED BY JOSEPH THEROUX IN JANUARY 2020

WF 17
WF 15
WF 13
WF 12A
WF 10A
WF 9
WF 8A
WF 6
WF 5A
WF 4
WF 3A

25' SY SETBACK

IP FND

FUTURE BUILDING LEACHING FIELD

TP 6

VEHICLE TURN AROUND AREA

CLEARING LIMITS

2" HDPE FORCE MAIN WITH 2' MIN. COVER

TP 1

1604 SF LEACHING SYSTEM OF 12" CONCRETE GALLERIES
BOTTOM ELEVATIONS:
UPPER TRENCH =364.5
LOWER TRENCH=363.0

DBOX
INV INVS = 365.1
HLOF = 365.35

TP 2

TP 5

TP 4

TP 3

68'

17'

12' O.C.

GRADE UPPER HALF OF DRIVEWAY TO DRAIN TOWARD WETLAND

APPROX. EDGE LARGE BOULDER FIELD

GRASS DRAINAGE SWALE

EROSION CONTROL DEVICES

NESTED BOULDER TEST PITS, STARTED THEN BACKFILLED

NO WELLS WERE DETECTED WITHIN 75' OF PROPOSED LEACHING FIELD

NOTE: THIRD (LOWEST) TRENCH NOT TO BE APPROVED OR INSTALLED AT THIS TIME. IT MAY BE INSTALLED IN THE FUTURE IF BUILDING DESIGN FLOW INCREASES.

GRAVEL DRIVEWAY

2" HDPE FORCE MAIN

100' UPLAND REVIEW AREA

BENCHMARK SPIKE EL = 358.16

IR FND

RA80 ZONE
COMMERCIAL ZONE

3" BROOK

CONNECTICUT RIVER BASIN

100' UPLAND REVIEW AREA

CHAIN LINK FENCE

18'
12 SPACE PAVED EMPLOYEE PARKING LOT
18'

STORMWATER BASINS

INV. 4" PVC = 337.81 ROOF DRAIN?

60'
GRAVEL PARKING
10'

12' SY SETBACK

2000 GALLON SEPTIC TANK WITH RISERS TO GRADE
INV IN = 335.45
INV OUT = 335.20

BOLLARDS OR POSTS TO PROTECT TANKS FROM TRAFFIC

PRE-PACKAGED FIBERGLASS DUPLEX ALTERNATING PUMP STATION. TOP ELEV = 339.0
INV. IN = 334.9
INV. OUT = 335.0

GUY

SNET 4112

RAIN GARDEN

RAIN GARDEN

CONC. COVERS

CONC PAD

O/H DOOR

DOOR

CONC. PAD

DOOR

DOOR

INV = 336.0±

PUMP STATION CONTROL PANEL MOUNTED ON BUILDING

AC PAD

BIT. CONC. DRIVEWAY

BIT. CONC. DRIVEWAY

STOCKADE WOOD FENCE AROUND OIL TANK

REMOVE EXISTING 1500 GAL SEPTIC TANK

VILLAGE PLAZA BUILDING
APPROX. 9556 S.F.
F. FL EL = 339.29

75'

EXISTING WELL (IN BUILDING)

20'

22'

12' SY SETBACK

2" PE FORCE MAIN WITH 2' MIN. COVER, CROSS UNDER DRAINAGE PIPE AT APPROX. ELEV 336.0

LIMIT OF PAVEMENT

18" RCP
INV. IN = 336.92
INV. OUT = 335.49

IR FND

EROSION CONTROL DEVICES

IR FND

NOTE: SEE BLOW-UP ON SHEET 4 FOR GRADING AND DRAINAGE AT BACK OF BUILDING

NDDH FILE #20000282

SURVEY NOTES:

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DENNIS R. BLANCHETTE	DATE	12107 LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE

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SEPTIC SYSTEM REPAIR 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
CHECKED: DRB

REVISIONS:

JOB NO: 20110
DATE: JULY 8, 2020
SCALE: 1" = 20'
SHEET: 2 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"

PERC.TEST RESULTS

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

HOLE A - NEAR TP4

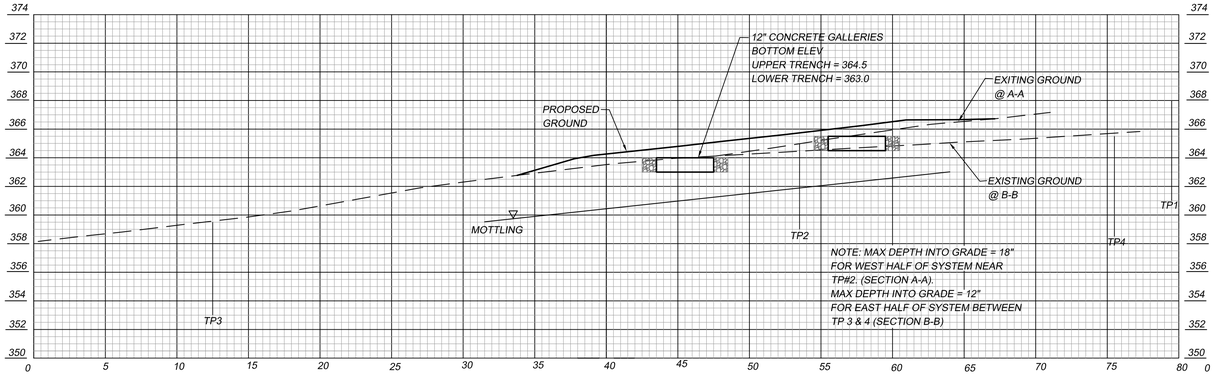
TIME	READING
2:20	11 1/2"
2:30	13 3/4"
2:40	15"
2:50	16 1/4"
3:00	17 1/2"
3:10	18 3/4"

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

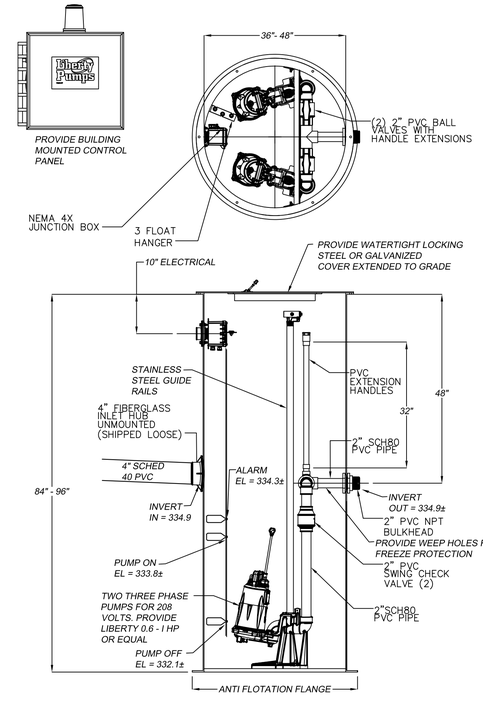


LEACHING FIELD CROSS SECTION A-A

1" = 5'

PUMP STATION SPECIFICATIONS

1. 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'
2. PUMPS SHALL BE SEPTIC TANK EFFLUENT PUMPS (STEP) WITH SOLIDS HANDLING CAPABILITY OF 3/4".
3. DISCHARGE AND FORCE MAIN SHALL BE 2.0" IN DIAMETER.
4. ALL EXPOSED HARDWARE SHALL BE STAINLESS STEEL.
5. SUPPLY 1.25" STAINLESS STEEL GUIDE RAIL ASSEMBLY, WITH STAINLESS STEEL LIFTING CHAIN FOR EACH PUMP.
6. 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.
7. 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.
8. ALL MATERIALS, HARDWARE, AND EQUIPMENT SHALL MEET ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
9. FIBERGLASS PUMP STATIONS SHALL BE SUPPLIED WITH ANTI FLOTATION FLANGE WITH FLOTATION CALCULATIONS SHOWING AMOUNT OF CONCRETE REQUIRED AND SHALL COMPLY WITH ALL MARKING REQUIREMENTS OF V.A.1 b OF THE CT HEALTH CODE TECHNICAL STANDARDS.
10. THE CONTRACTOR SHALL SUPPLY SHOP DRAWINGS WHICH INDICATE THE FLOAT ELEVATION SETTINGS AND THE PUMP RUN TIME AND CYCLES PER DAY FOR THE GIVEN SETTINGS FOR INITIAL AND FUTURE FLOW CONDITIONS.
11. CONTRACTOR SHALL SUPPLY AND INSTALL PUMPS, PIPING, CHAMBERS, WIRING, CONTROLS, VALVES AND MISCELLANEOUS ITEMS NECESSARY TO RESULT IN A FULLY FUNCTIONAL PUMP STATION.
12. PROVIDE WATERTIGHT STEEL GALVANIZED LOCKABLE HATCH COVER EXTENDED TO GRADE.
13. PROVIDE UP TO 8 HOURS OF START UP SERVICES.
14. ADDRESS ODOR CONTROL WITH GAS TIGHT COVER OR VENT WITH CHARCOAL FILTER.
15. MANUFACTURER SHALL PROVIDE 12 MONTHS WARRANTY COMMENCING ON THE DAY OF START-UP.
16. FORCE MAIN SHALL BE 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.

SOIL EROSION CONTROL PLAN

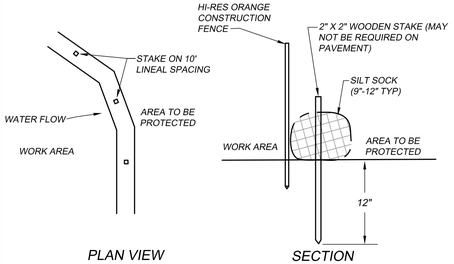
THE PURPOSE OF THIS PROJECT IS TO REPAIR A COMMERCIAL SEPTIC SYSTEM, IMPROVE AN EXISTING PARKING LOT, CONSTRUCT A GRAVEL DRIVEWAY, AND CONSTRUCT A STORMWATER MANAGEMENT SYSTEM. THE GOAL OF THE EROSION CONTROL PLAN IS TO PROHIBIT ANY ERODED SEDIMENT OR SEDIMENT LADEN RUNOFF FROM ENTERING DOWNSTREAM WETLANDS. THE SITE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL DEVICES AS NEEDED, BEYOND WHAT IS INDICATED ON THE PLAN, SUCH AS HAYBALES, SILT SOCK, STONE CHECK DAMS ETC, TO ENSURE THE NO SEDIMENT ERODES FROM THE SITE.

CONSTRUCTION SEQUENCE

1. INSTALLATION OF SEDIMENT CONTROL BARRIERS AS SHOWN ON THE PLAN.
2. CLEARING AND GRUBBING
3. STRIP TOPSOIL AND STOCKPILE
4. GRADE AND CONSTRUCT 500' GRAVEL DRIVEWAY
5. INSTALL SEPTIC SYSTEM
6. INSTALL DRAINAGE FEATURES
7. PAVE REAR PARKING LOT
5. EXCAVATE AND STABILIZE STORMWATER INFILTRATION BASINS
6. SEED AND MULCH OVER DISTURBED AREAS
7. COMPLETE SITE STABILIZATION AND REMOVE EROSION CONTROL.

OPERATIONS AND MAINTENANCE

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

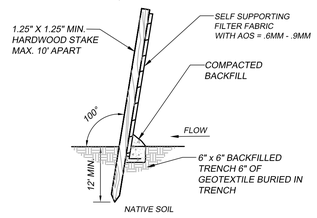


NOTES

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

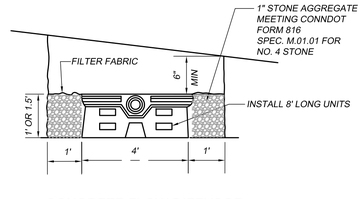
SILT SOCK DETAIL

NOT TO SCALE



SILT FENCE INSTALLATION

NOT TO SCALE



CONCRETE FLOW DIFFUSOR

NOT TO SCALE

SEPTIC SYSTEM DESIGN CRITERIA

DESIGN FLOW CALULATIONS:

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

MLSS (PRIMARY) = 101' (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 2665 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:

1. THE PROPOSED ACTIVITY ON THE SITE WILL CONSIST OF THE CONSTRUCTION OF A 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.

SEPTIC SYSTEM AND E & S DETAILS AND NOTES

PREPARED FOR

WOODSTOCK BUILDING ASSOCIATES

22 WOODSTOCK ROAD, THOMPSON, CT

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N. GROSVENORDALE, CT 06255
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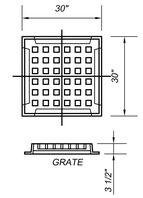
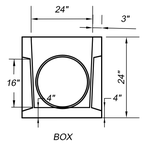
CHECKED: DRB

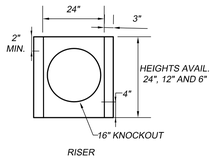
REVISIONS:

MAP 29 BLOCK 104 LOT 23
NDDH FILE #2000282

JOB NO: 20110
DATE: JULY 8, 2020
SCALE: 1" = 20'
SHEET: 3 OF 4

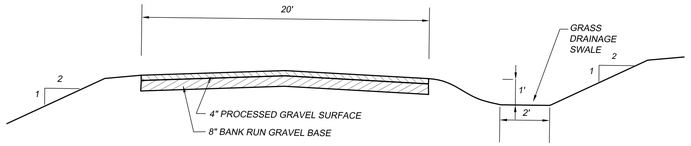




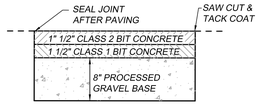


DESIGN NOTES
1.) 16" DIAMETER KNOCKOUT - 4 PLACES
2.) TYPE II CEMENT ASTM C150-81
3.) CONCRETE STRENGTH 5000 PSI MIN. 28 DAYS
4.) CAN WITHSTAND MEDIUM-DUTY TRAFFIC
5.) GRATE IS BICYCLE SAFE

24" x 24" YARD BOX
NOT TO SCALE



GRAVEL DRIVEWAY SECTION
NOT TO SCALE



BITUMINOUS PAVEMENT SECTION
NOT TO SCALE

RAIN GARDEN NOTES:

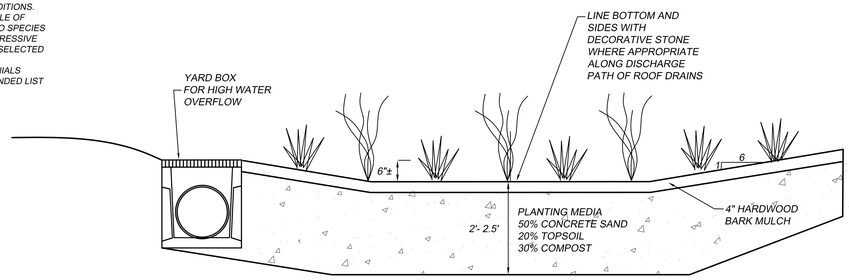
THE PLANTS WITHIN THE RAIN GARDEN WILL BE SUBJECT TO PERIODIC INDUNDATION AS WELL AS DROUGHT CONDITIONS. THEREFORE ANY SPECIES PLANTED MUST BE CAPABLE OF SURVIVING UNDER VARIABLE WATER CONDITIONS. NO SPECIES LISTED AS INVASIVE IN CONNECTICUT, OR VERY AGGRESSIVE SPREADERS, SHALL BE PLANTED. PLANTS SHALL 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

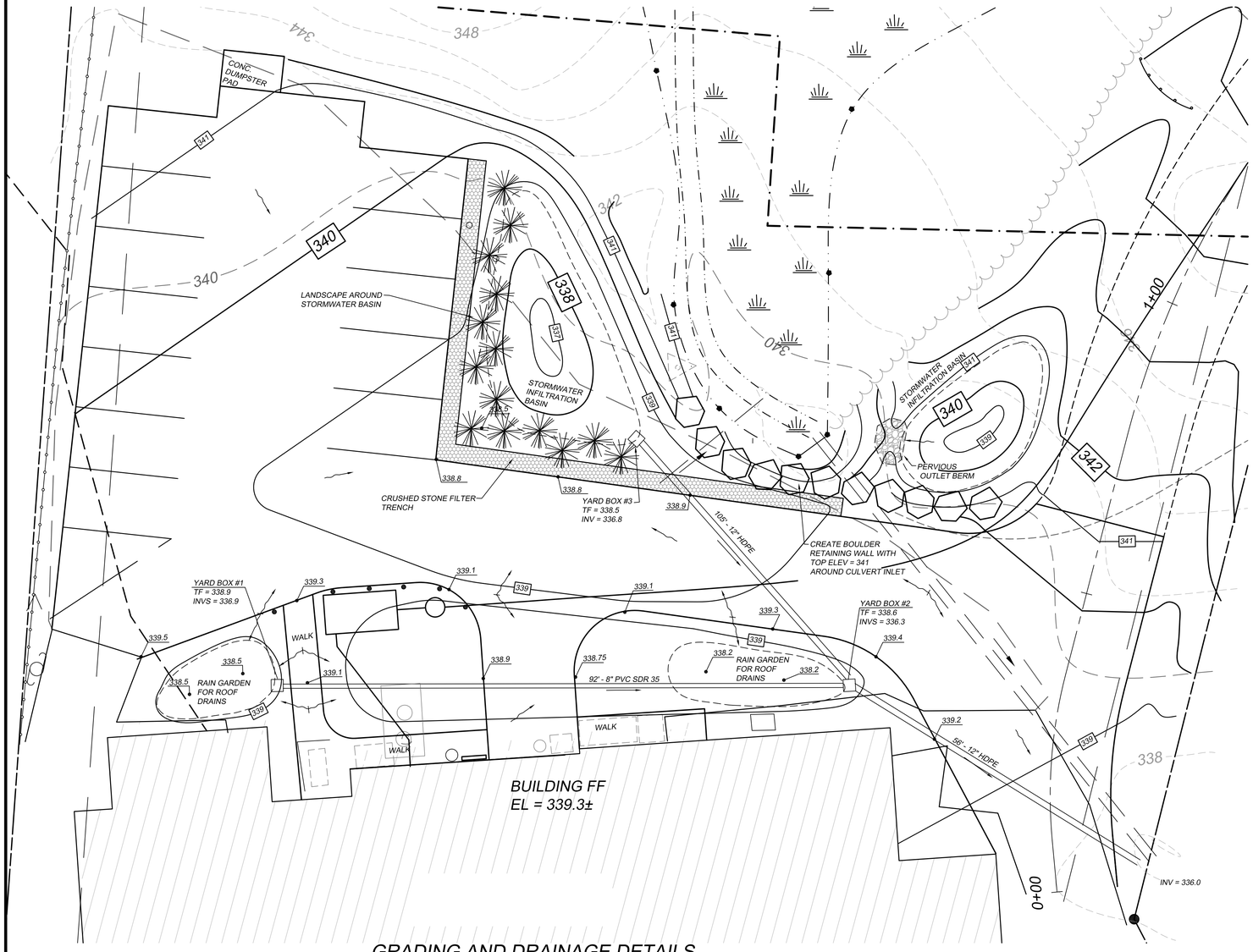
RED COLUMBINE (AQUILEGIA CANADENSIS)
ASTILBE (ASTILBE SPP.)
JOE PYE WEED (EUPATORIUM FISTULOSUM)
SPIKED GAY FEATHER (LIATRIS SPICATA)
CINNAMON FERN (OSMUNDA CINNAMOMEA)
ROYAL FERN (OSMUNDA REGALIS)
BLACK-EYED SUSAN (RUDBECKIA HIRTA)
EARLY CONEFLOWER (RUDBECKIA FULGIDA)

SHRUBS

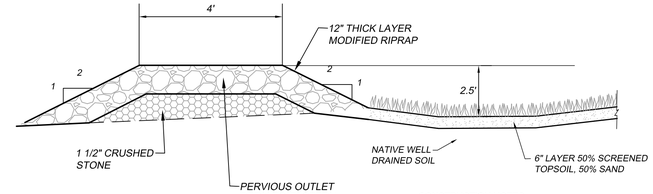
RED CHOKEBERRY (ARONIA ARBUTIFOLIA)
PASTURE ROSE (ROSA CAROLINA)
RED OSIER DOGWOOD (CORNUS SERICEA)
INKBERRY (ILEX GLABRA)
SPICEBUSH (LINDERA AESTIVALE BENZOIN)
PINXTERBLOOM AZALEA (RHODODENDRON PERICLYMENOIDES)
ELDERBERRY (SAMBUCUS CANADENSIS)
LOWBUSH BLUEBERRY (VACCINIUM ANGUSTIFOLIUM)
HIGHBUSH BLUEBERRY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



TYPICAL RAIN GARDEN CROSS SECTION
N.T.S.



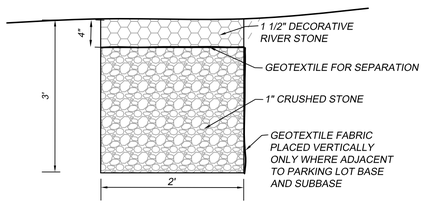
GRADING AND DRAINAGE DETAILS
1" = 10'



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

STORMWATER INFILTRATION BASIN SECTION
NOT TO SCALE

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 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	DATE: JULY 8, 2020
SCALE: 1" = 20'	SHEET: 4 OF 4

Agenda Item G.1. 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.3. & 4. 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.

Agenda Item H Other Business

Request for participation to revise Plan of Conservation and Development

Good morning –

As many of you may know, the town's Plan of Conservation & Development (PoCD) is required to be updated every 10 years, and 2020 is just such an update year. Having come nearly to the end of the overhaul of the zoning regulations, I would like to begin on this project as soon as possible.

The current iteration of the PoCD is attached above. As you can see on the first page, a team of 14 residents and the planner at the time collaborated to create that document, and I would like to assemble a similar working group for the update. The folks on this email are the officers of Thompson's various boards, commissions and committees, as well as the recording secretaries. At this time, I would ask you to please add this request to the agenda of your next scheduled meeting (presumably your July meeting), to solicit interest from your membership for a representative of your committee to work on the new draft with me. If your committee is one that does not meet in July, please email your membership to gauge their interest at your earliest convenience.

With a six-month window in which to work on this document, I would like to have that working group identified before the end of July, with a goal of starting the serious review and re-draft in early August. I am hopeful that, with a newly adopted and improved book of zoning regulations, this will be the next meaningful step in articulating our community priorities for the next decade.

Thank you,

Tyra Penn-Gesek
Director of Planning & Development
Town of Thompson
planner@thompsonct.org
860-923-9475 x130

Agenda Item I Reports
1 Budget & Expenditures

INLAND WETLANDS COMMISSION

This cost center funds the Wetlands Commission
RATIONALE OF OBJECTS

		# 0f Hours	Hourly Rate	Current Bi-Weekly	Current Annual	pays Factor	Budget Raise	Proposed Pay Annual	Hourly/Monthly
	Salary & Wages								
510151	Wetlands Officer	15	$ 24.78	$743.49	$ 19,405	26.1		$ 19,405	$ 24.78
				Current Monthly					
510152	Wetlands Secretary			$289.25		12		$ 3,471	$ 289.25
	Wetlands Secretary							$ 401	
								$ 3,872	

Salary increased for wetland agent & recording secretary requested to be in line with those of non-union positions, 2% assume

No change in remaining objects proposed from that approved

Town of Thompson
2020-2021
Budget Expenditures

Fund - 001 - GENERAL BUDGET

Department - 6203 WETLANDS COMMISSION

Obj/Sub	Description	Actual FY 2018/19	Budget 2019/20	Estimate FY20	1/14/2020 PAID YTD FY20	1/14/2020 OPEN POs	FY2021 Dept Proposed	FY2021 Selectman Proposed	FY2021 BOF Proposed	FY20 BUDGET v PROPOSED $ Increase (Decrease)
510151	WETLANDS OFFICER	18,924	19,405	16,905	11,329	0	19,405	19,405	19,405	**0**
510152	WETLANDS SECRETARY	3,615	3,872	3,549	2,025	0	3,872	3,872	3,872	**0**
*Total for Object		22,539	23,277	20,455	13,354	0	23,277	23,277	23,277	0
522110	PROFESSIONAL AFFILIATIONS	60	60	60	60		60	60	60	**0**
522130	TRAVEL	0	50	50	14		50	50	50	**0**
522140	MEETING, FEES, ETC	120	100	0			100	100	100	**0**
522220	PROFESSIONAL SERVICES	0	300	100			300	300	300	**0**
522310	ADVERTISING	684	600	500	338	80	600	600	600	**0**
522890	EASTERN CT CONSERVATION DIST. DONATION	1,000	1,000	1,000	1,000		1,000	1,000	1,000	**0**
*Total for Object		1,864	2,110	1,710	1,412	80	2,110	2,110	2,110	0
533150	OFFICE SUPPLIES	234	400	300	10		400	400	400	**0**
*Total for Object		234	400	300	10	0	400	400	400	0
*Total for Department		24,637	25,787	22,465	14,776	80	25,787	25,787	25,787	0

Budget Increase (Decrease)- $ 0
Budget Increase (Decrease)- % 0%

Agenda Item I Reports
2 Wetlands Agent Report

Agenda Item J Correspondence

Agenda Item K Signing of Mylars – None

Agenda Item L Comments by Commissioners

Agenda Item M Adjournment