

Office Use Only

Fee Paid 135

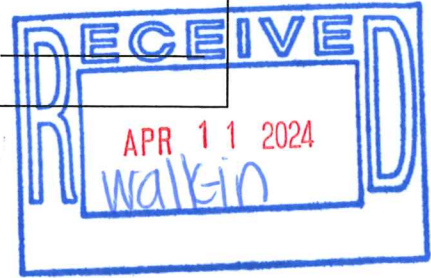
Date Approved _____

Permit Number _____

Public Hearing: YES NO

Agent Approval: YES NO

1W-24-007



TOWN OF EAST HAMPTON
INLAND WETLANDS & WATERCOURSES AGENCY

Date: 3-20-24

1. Name of Applicant* MATHEW ABBOTT Email: _____
Phone Numbers: Home 110, Business _____, Cell _____
Home Address: Street 708 MIDWOOD FARM ROAD Town EAST HAMPTON State/Zip CONN 06424
Business Address: Street _____ Town _____ State/Zip _____

* All applications MUST list contact phone numbers. If the applicant is a Limited Liability Corporation or a Corporation, provide the managing member's or responsible corporate officer's name, address, and telephone number.

2. Name of Property Owner (if different from Applicant): GAME Phone _____
Address: Street _____ Town _____ State/Zip _____

As the legal owner of the property listed on this application I hereby consent to the proposed activities. I hereby authorize the members and agents of the Agency to inspect the subject land, at reasonable times, during the pendency of the application and for the life of the permit.

Printed Name: _____, Signature: _____, Date: _____

3. Provide the applicant's interest in the land. OWNER

4. Site Location and Description: Assessor's Map 18, Block 44, Lot 12A
Address: Street MIDWOOD FARM ROAD Town EAST HAMPTON State/Zip CONN 06424

Note: It is the applicant's responsibility to provide the correct site address, map, block, and lot number for the legal notice. Provide a description of the land in sufficient detail to allow identification of the inland wetlands and watercourses, the area(s) (in acres or square feet) of wetlands or watercourses to be disturbed, soil type(s), and wetland vegetation.

Area of Wetland to be disturbed: 0 acres or sq. ft.
Area of Watercourse to be disturbed: 0 acres or sq. ft.
Area of Upland Review Area to be disturbed: 0 acres or sq. ft. (Area within 100' of wetland)
TOTAL AREA OF DISTURBANCE 0 acres or sq. ft.

Will fill be needed on site? Yes No If yes, how much fill is needed? 50 +/- cubic yards

The property contains (circle one or more) WETLANDS
WETLANDS, BROOK, RIVER, INTERMITTANT STREAM, VERNAL POOL, SWAMP, OTHER _____
Description of soil types on site: _____
Description of wetland vegetation: _____

Name of Soil Scientist and date of survey: _____

5. Attach a written narrative of the purpose and description of the proposed activity and proposed erosion and sedimentation controls, best management practices, and mitigation measures which may be considered as a condition of issuing a permit for the proposed regulated activity including but not limited to; measures to:

(1) prevent or minimize pollution or other environmental damage, (2) maintain or enhance existing environmental quality, or (3) in the following order of priority: restore, enhance or create productive wetland or watercourse resources. Depending on the complexity of the project, include the following: sequence of operations, drainage computations with pre and post construction runoff quantities and runoff rates, plans clearly showing the drainage areas corresponding to the drainage computations, existing wetland inventory and functional assessment, soils report, construction plans signed by a certified soils scientist, licensed surveyor, and licensed professional engineer. Include a construction schedule, impacts to vegetation, and pictures that clearly show the existing conditions of all areas to be disturbed and/or cleared of vegetation.

6. Provide information of all alternatives considered. List all alternatives which would cause less or no environmental impact to wetlands or watercourses and state why the alternative as set forth in the application was chosen. All such alternatives shall be diagramed on a site plan or drawing.

Attach plans showing all alternatives considered.

7. Attach a site plan showing the proposed activity and existing and proposed conditions in relation to wetlands and watercourses and identifying any further activities associated with, or reasonably related to, the proposed regulated activity which are made inevitable by the proposed regulated activity and which may have an impact on wetlands or watercourses. Include a colored grading plan showing areas to be filled (green) and areas to be excavated (brown) that clearly shows existing and proposed contours and proposed limits of disturbance.

8. Attach the names and mailing addresses of adjacent landowners. Attach additional sheets if necessary.
Name NELSONS CG SPE LLC Address MIDWOOD FARM RD - EAST HAMPTON, CT.
Name PEPPER HOLDINGS LLC Address 108 MIDWOOD FARM RD - EAST HAMPTON, CT.
Name 99 MIDWOOD LLC Address 99 MIDWOOD FARM RD - EAST HAMPTON, CT.

9. Attach a completed DEEP reporting form.
The Agency shall revise or correct the information provided by the applicant and submit the form to the Commissioner of Environmental Protection in accordance with section 22a-39-14 of the Regulations of Connecticut State Agencies.

10. Attach the appropriate filing fee based on the fee schedule in Section 19 of the regulations.
Fee: _____ (Make check payable to "The Town of East Hampton")

11. Name of Erosion Control Agent (Person Responsible for Compliance): MATHEW ABBOTT
Phone Numbers: Home _____, Business _____
Cell _____ Address: Street 108 MIDWOOD FARM RD Town EAST HAMPTON
State/Zip CONN 06424

12. Are you aware of any wetland violations (past or present) on this property? YES NO
If yes, explain _____

13. Are you aware of any vernal pools located on or adjacent (within 500') to the property? YES NO

14. For projects that do not fall under the ACOE Category 1 general permit – Have you contacted the Army Corps of Engineers? YES NO

15. Is this project within a public water supply aquifer protection area or a public water supply watershed area? YES NO
If so, have you notified the Commissioner of the Connecticut Department of Public Health and the East Hampton WPCA? YES NO
(Proof of notification must be submitted with your application.)

16. PUBLIC HEARINGS ONLY. The applicant must provide proof of mailing notices to the abutters prior to the hearing date.

→ 17. **As the applicant I am familiar with all the information provided in the application and I am aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.**
Printed name: GORDON SIMS, Signature: Gordon Sims, Date: 4-11-24

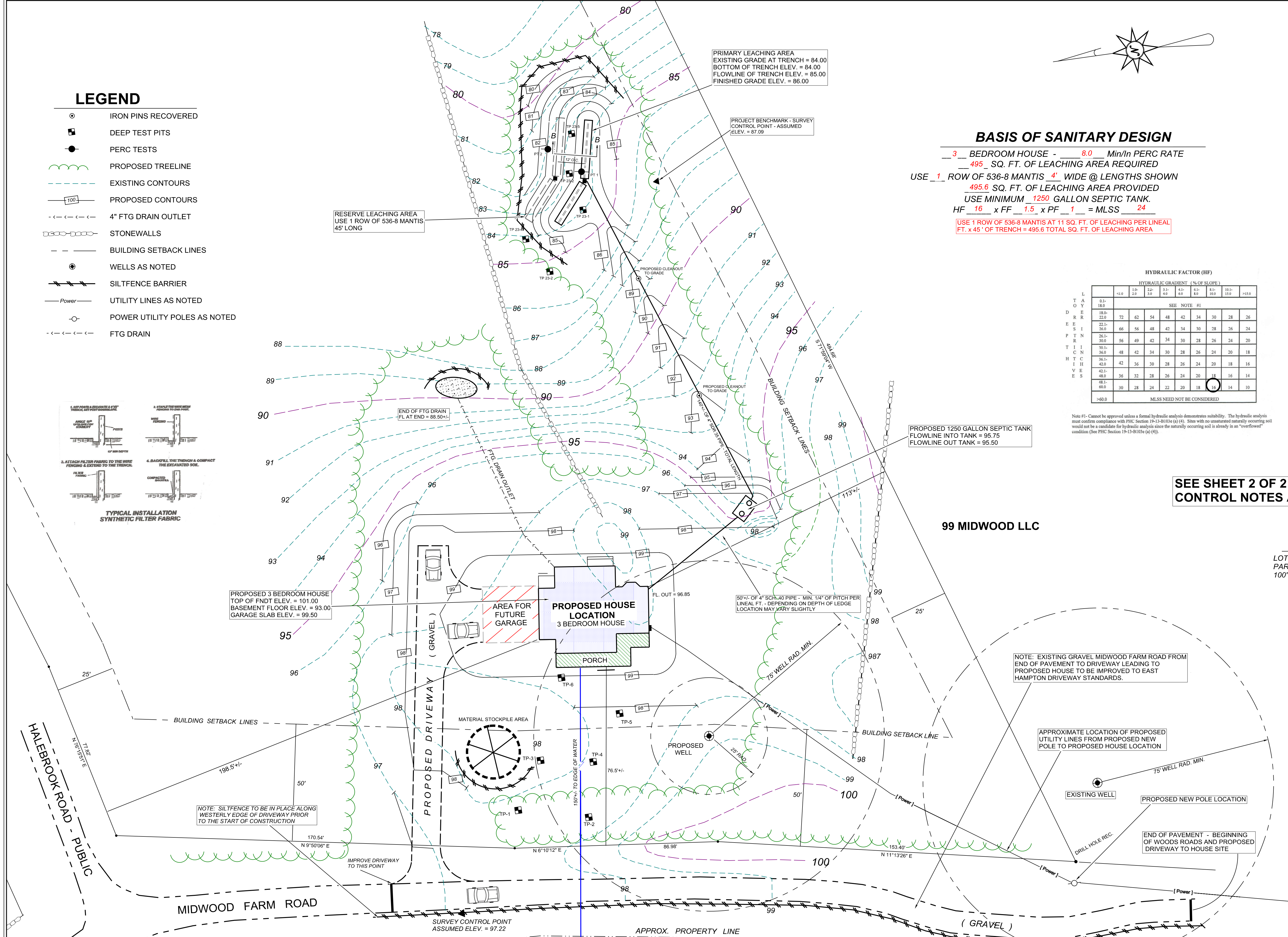
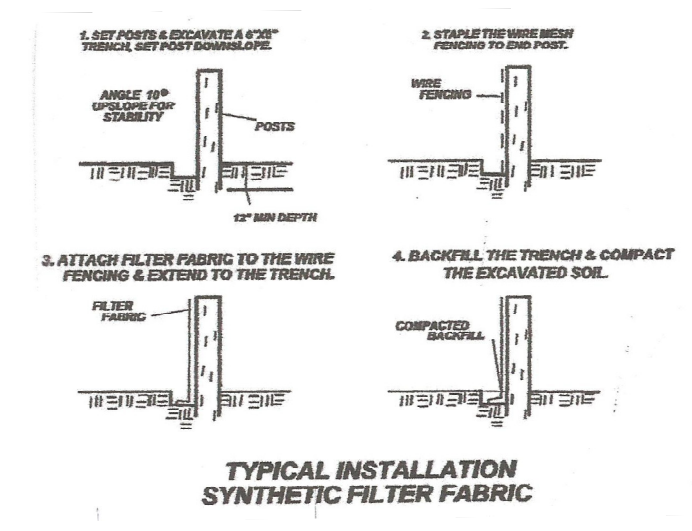
Please Note: You or a representative must attend the Inland Wetlands meeting to present your application.
AGENT
MCHINN ASSOC.

SITE DESCRIPTION

SITE ON MIDWOOD FARM ROAD IS LOCATED AT THE END OF PAVED PORTION OF ROAD AND BEGINNING OF UNIMPROVED ROAD . SITE TO CONSIST OF A SINGLE FAMILY 3 BEDROOM HOUSE AND SEPTIC SYSTEM. THERE ARE NO WETLANDS ON SITE AND NO WETLANDS ACTIVITIES. PROPOSED DRIVEWAY WILL BE IMPROVED TO TOWN STANDARDS WITH EROSION CONTROL TO BE IN PLACE ALONG THE LEFT SIDE PRIOR TO CONSTRUCTION. POND ALONG LEFT SIDE OF DRIVEWAY IS APPROXIMATELY 50' FROM ROAD. POND ON LEFT SIDE OF EXISTING MIDWOOD FARM ROAD DOES NOT IMPACT SITE. POND WATER HAS 2 EXITS, AT THE NORTH END AND SOUTH END OF POND. ALL HOUSE DRAINS (FOOTING AND ROOF LEADERS) TO EXIT BEHIND HOUSE AND AWAY FROM POND AND TO HAVE A RIP RAP PLUNGE POOL FOR WATER COLLECTION WITH SILTFENCE AS SHOWN.

LEGEND

- ⊙ IRON PINS RECOVERED
- DEEP TEST PITS
- PERC TESTS
- ~ PROPOSED TREELINE
- - - EXISTING CONTOURS
- - - PROPOSED CONTOURS
- - - 4" FTG DRAIN OUTLET
- ⊕ STONEWALLS
- - - BUILDING SETBACK LINES
- ⊙ WELLS AS NOTED
- ⚡ SILTFENCE BARRIER
- - - UTILITY LINES AS NOTED
- ⊙ POWER UTILITY POLES AS NOTED
- - - FTG DRAIN



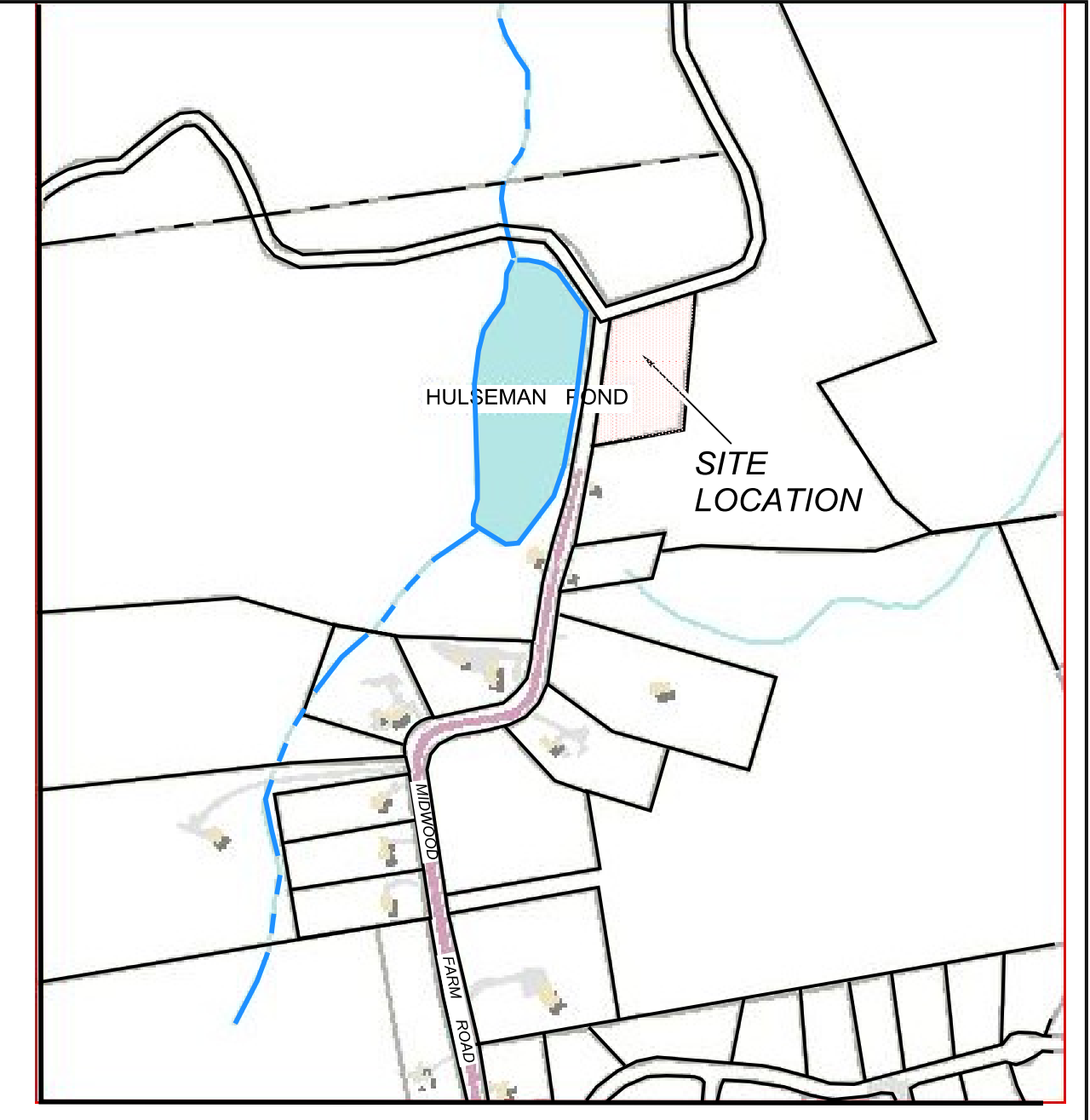
BASIS OF SANITARY DESIGN

3 BEDROOM HOUSE - 8.0 Min/in PERC RATE
495 SQ. FT. OF LEACHING AREA REQUIRED
USE 1 ROW OF 536-8 MANTIS 4' WIDE @ LENGTHS SHOWN
495.6 SQ. FT. OF LEACHING AREA PROVIDED
USE MINIMUM 1250 GALLON SEPTIC TANK
HF 16 x FF 1.5 x PF 1 = MLSS 24
USE 1 ROW OF 536-8 MANTIS AT 11 SQ. FT. OF LEACHING PER LINEAL FT. x 45' OF TRENCH = 495.6 TOTAL SQ. FT. OF LEACHING AREA

HYDRAULIC FACTOR (HF)

HYDRAULIC GRADIENT (% OF SLOPE)	HYDRAULIC FACTOR (HF)									
	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
1.0	18.0	16.0	14.0	12.0	10.0	8.0	6.0	4.0	3.0	2.0
2.0	16.0	14.0	12.0	10.0	8.0	6.0	4.0	3.0	2.0	1.5
3.0	14.0	12.0	10.0	8.0	6.0	4.0	3.0	2.0	1.5	1.0
4.0	12.0	10.0	8.0	6.0	4.0	3.0	2.0	1.5	1.0	0.7
5.0	10.0	8.0	6.0	4.0	3.0	2.0	1.5	1.0	0.7	0.5
6.0	8.0	6.0	4.0	3.0	2.0	1.5	1.0	0.7	0.5	0.4
7.0	6.0	4.0	3.0	2.0	1.5	1.0	0.7	0.5	0.4	0.3
8.0	4.0	3.0	2.0	1.5	1.0	0.7	0.5	0.4	0.3	0.2
9.0	3.0	2.0	1.5	1.0	0.7	0.5	0.4	0.3	0.2	0.2
10.0	2.0	1.5	1.0	0.7	0.5	0.4	0.3	0.2	0.2	0.1
11.0	1.5	1.0	0.7	0.5	0.4	0.3	0.2	0.2	0.1	0.1
12.0	1.0	0.7	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.1
13.0	0.7	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1
14.0	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1
15.0	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
16.0	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
>60.0	MLSS NEED NOT BE CONSIDERED									

Note #1 - Cannot be approved unless a formal hydraulic analysis demonstrates suitability. The hydraulic analysis must confirm compliance with PFC Section 19-1-3010(a)(4). Sites with no unseasoned naturally occurring soil would not be a candidate for hydraulic analysis since the naturally occurring soil is already in an "overflowed" condition (See PFC Section 19-1-3010(a)(4)).



SEE SHEET 2 OF 2 FOR SOILS DATA, DETAILS, EROSION CONTROL NOTES AND GENERAL NOTES

MAP REFERENCE

LOT LINE ADJUSTMENT PLAN - NOSLEN INC. & GUSTINE FAMILY LIMITED PARTNERSHIP - EAST HAMPTON, CONNECTICUT - DATE 1-26-22 - SCALE 1" = 100' - SHEET 1 OF 3

REFERENCE NOTE

THIS SURVEY AND MAP HAVE 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" ADOPTED FOR USE BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. AMENDED ON OCTOBER 26, 2018.

THE TYPE OF SURVEY IS A "IMPROVEMENT LOCATION SURVEY."
THE BOUNDARY DETERMINATION CATEGORY IS "DEPENDENT RESURVEY."
THE HORIZONTAL ACCURACY CONFORMS TO "A-2 STANDARDS."
THE VERTICAL ACCURACY CONFORMS TO "T-2 STANDARDS."

NO DECLARATION IS EXPRESSED OR IMPLIED UNLESS THIS PLAN BEARS THE IMPRESSION (EMBOSSED) SEAL OF THE PROFESSIONAL WHERE SIGNATURE APPEARS HEREON.

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

PAUL STOWELL
REGISTERED LAND SURVEYOR - L.S. LIC. No. 70216

GARY WINALSKI
REGISTERED PROFESSIONAL ENGINEER
P.E. LIC. No. 9671

MCMINN ASSOCIATES
LAND USE CONSULTANTS
PAUL STOWELL REG. LAND SURVEYOR
171 WILCOX ROAD
MILFORD, CONNECTICUT

(860) 682-0163 - (860) 537-0046

NO.	DATE	DESCRIPTION

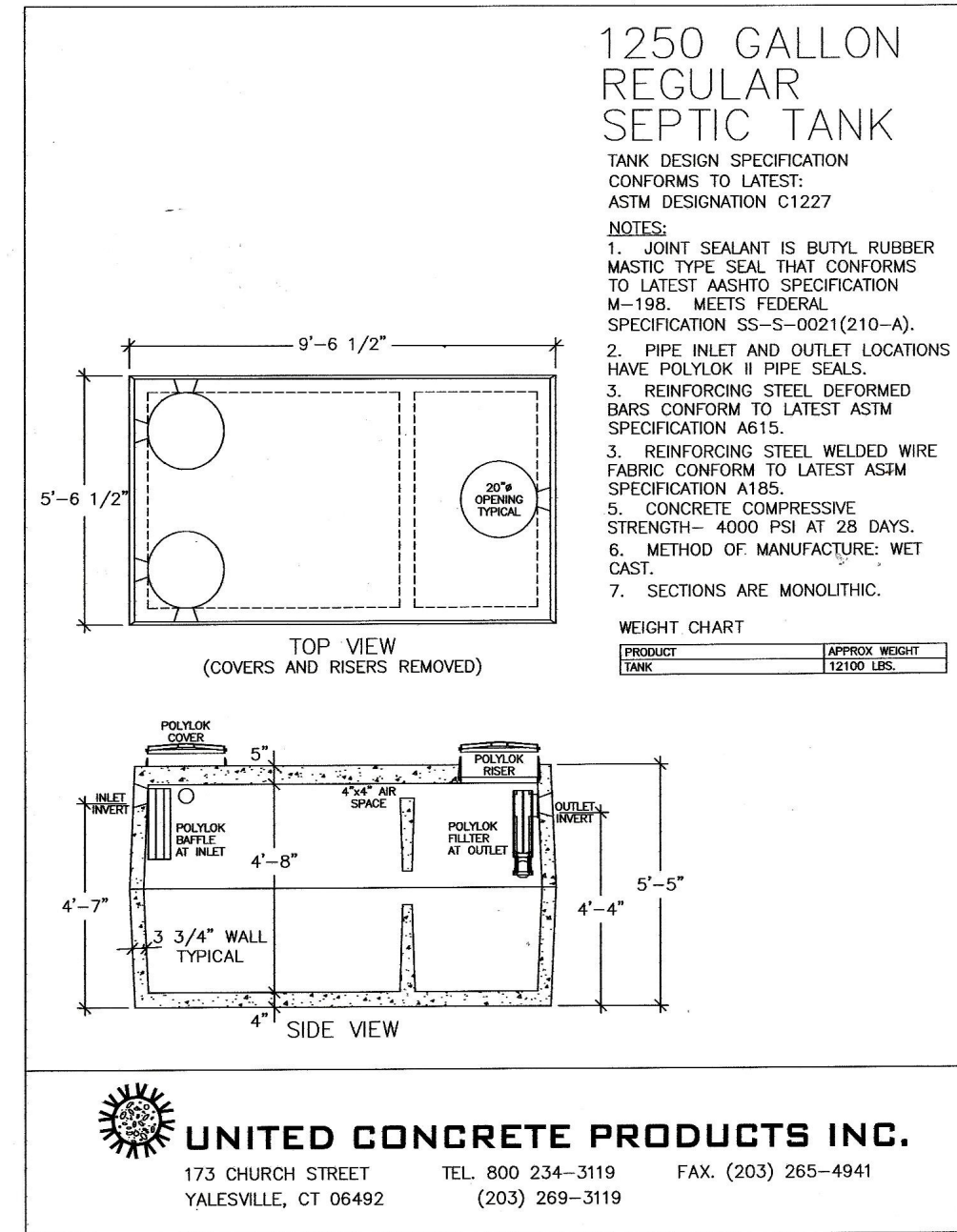
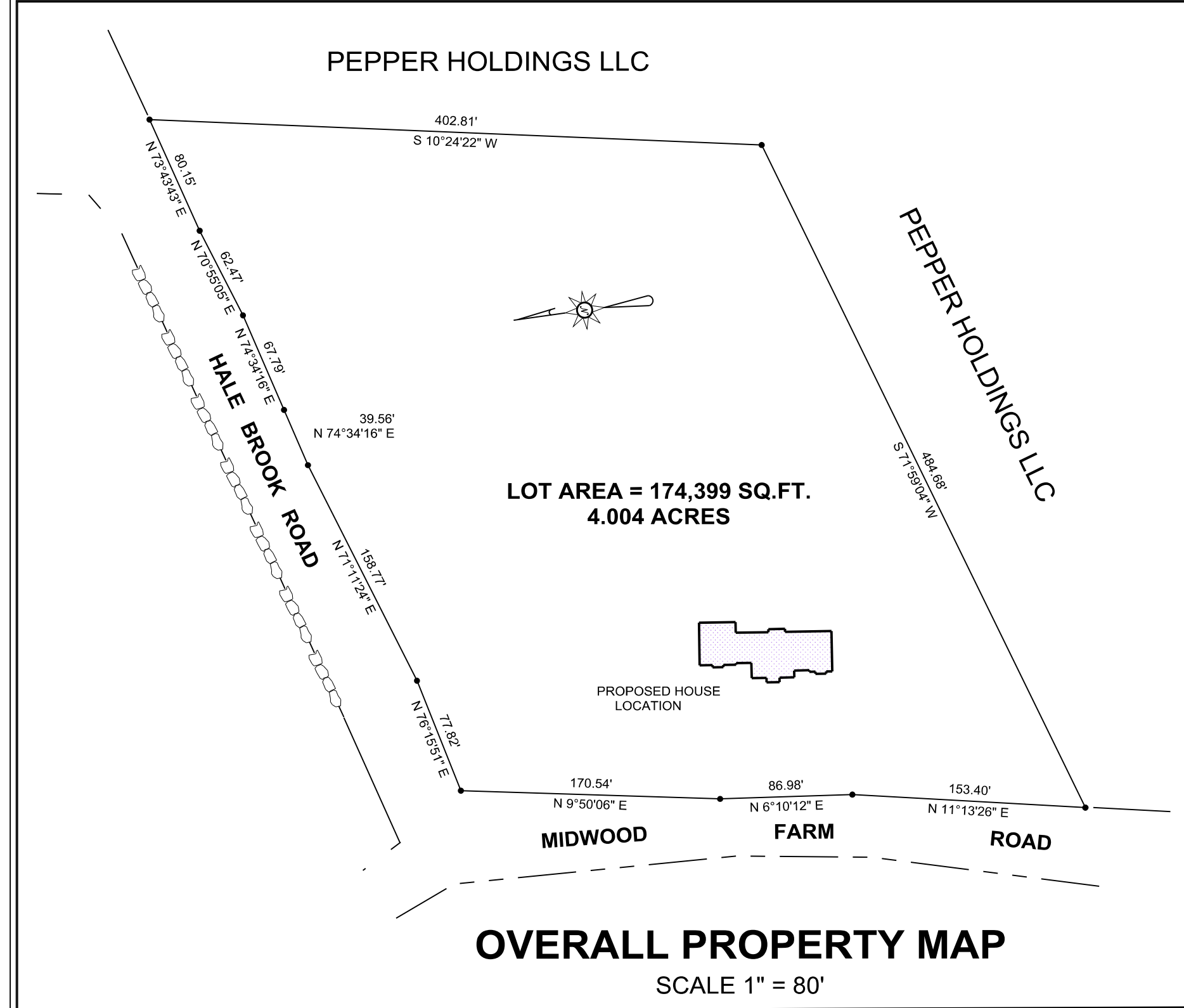
PLOT PLAN
PROPERTY OF & PREPARED FOR
MATHEW & LEANNE ABBOTT
MIDWOOD FARM ROAD
EAST HAMPTON, CONNECTICUT
DATE SEPTEMBER 1, 2023 - SCALE 1" = 20'

SHEET 1 OF 2

SHEET 1 OF 2

1/2

JOB No. 23-021



CONSTRUCTION NOTES

NO CHANGE IN PLAN LOCATION OR ELEVATION SHALL BE MADE WITHOUT NOTIFYING THE ENGINEER AND THE PROPER TOWN AUTHORITY.

THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION TO SET LOCATION AND GRADE STAKES FOR THE SUBSURFACE SEWAGE DISPOSAL SYSTEM TO INCLUDE: FILL MATERIAL, SEPTIC TANK, PRIMARY LEACH SYSTEM, SIMILAR STAKING REQUIRED FOR ALL CURTAIN AND FOUNDATION DRAINS AND WELLS.

NO SOIL STRIPPING OR EXCAVATION SHALL BEGIN WITHIN THE AREA OF THE SUB-SURFACE SEWAGE DISPOSAL SYSTEM WITHOUT A VALID CONSTRUCTION PERMIT.

A LICENSED SEWAGE DISPOSAL SYSTEM INSTALLER SHALL OBTAIN A CONSTRUCTION PERMIT AND ARRANGE FOR THE SITE INSPECTION PRIOR TO CONSTRUCTION. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THIS PLAN AND ALL APPLICABLE STATE, AND LOCAL RULES, REGULATIONS AND CODES.

TOPSOIL TO BE STRIPPED AND STOCKPILED PRIOR TO ANY FILLING. SCARIFY AREA BEFORE FILLING. NO VEHICLE TRAFFIC BY RUBBER TIRE VEHICLES TO MINIMIZE COMPACTION. PLACE FILL AT EDGE OF PREPARED AREA AND SPREAD WITH BULLDOZER IN 6\"/>

SANITARIAN TO INSPECT ANY FILL OVER 24\"/>

TRENCH BOTTOMS SHALL BE LEVEL AND SET TO FOLLOW CONTOURS OF EXISTING GRADE.

NO CONSTRUCTION BELOW ORIGINAL GRADE IN THE LEACHING SYSTEM AREA SHALL TAKE PLACE WITHIN 48 HOURS OF A RAINSTORM OR WITH STANDING PUDDLES.

ALL FOOTING DRAINS, CURTAIN DRAINS AND SUBSURFACE SEWAGE DISPOSAL SYSTEM COMPONENTS SHALL BE INSPECTED BY THE TOWN AND LOCATED \"AS-BUILT\" BY THE ENGINEER/LAND SURVEYOR PRIOR TO COVERING. INSPECTION SHALL BE WITHIN 2 WORKING DAYS FOLLOWING TIMELY NOTIFICATION BY THE CONTRACTOR TO PROTECT OPEN WORK FROM SILTATION AND EROSION.

ALL DISTURBED AREAS SHALL BE GRADED, LOAMED, AND SEEDED AS SOON AS POSSIBLE AFTER CONSTRUCTION. IF SEEDING CANNOT TAKE PLACE DURING THE GROWING SEASON, A TEMPORARY MULCH COVER SHALL BE PLACED AND MAINTAINED UNTIL PERMANENT COVER CAN BE ESTABLISHED.

A LICENSED WELL DRILLER SHALL OBTAIN A PERMIT PRIOR TO ANY DRILLING. THE WELL SHALL BE PROVIDED IN ACCORDANCE WITH THIS PLAN AND ALL APPLICABLE STATE AND LOCAL REGULATIONS AND CODES.

SATISFACTORY COMPLETION OF ALL THE ABOVE REQUIREMENTS SHALL PRECEED THE FINAL INSPECTION AND APPROVAL OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM AND WELL.

EROSION CONTROL NOTES

GENERAL REQUIREMENTS FOR EROSION CONTROL:

SEEDING, SODDING, OR REVEGETATION PLANS AND SPECIFICATIONS FOR ALL UNPROTECTED OR UNVEGETATED AREAS SHALL BE IMPLEMENTED AS SOON AS POSSIBLE.

EXCAVATIONS, FILLS AND GRADING:

CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 3:1 UNLESS STABILIZED BY A RETAINING WALL OR CRIBBING, EXCEPT AS APPROVED BY THE COMMISSION UNDER SPECIAL CONDITIONS.

ADADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATER FROM DAMAGING THE CUT FACE OF EXCAVATION OR THE SLOPING SURFACES OF FILLS.

CUT AND FILLS SHALL NOT ENDANGER ADJOINING PROPERTY.

FILL SHALL BE PLACED AND COMPACTED SO AS TO MINIMIZE SLIDING OR EROSION OF THE SOIL.

GRADING SHALL NOT BE DONE IN SUCH A WAY SO AS TO DIVERT WATER ONTO THE PROPERTY OF ANOTHER LANDOWNER WITHOUT THE EXPRESSED CONSENT OF THAT LANDOWNER AND THE COMMISSION.

FILLS SHALL NOT ENCROACH ON THE NATURAL WATERCOURSES OR CONSTRUCTED CHANNELS.

DURING GRADING OPERATIONS, NECESSARY MEASURES FOR DUST CONTROL SHALL BE EXERCIZED.

GRADING EQUIPMENT WILL NOT BE ALLOWED TO CROSS LIVE STREAMS EXCEPT BY MEANS OF BRIDGES AND CULVERTS OR OTHER METHODS AS APPROVED BY THE COMMISSION.

IMPLEMENTATION PROCEDURES:

WHEREVER FEASIBLE, NATURAL VEGETATION SHOULD BE RETAINED AND PROTECTED.

ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT.

WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.

WHERE NECESSARY, TEMPORARY VEGETATION AND/OR MULCHING SHOULD BE USED TO PROTECT AREAS EXPOSED DURING DEVELOPMENT.

THE PERMANENT FINAL VEGETATION AND STRUCTURES SHOULD BE INSTALLED AS SOON AS PRACTICAL IN THE DEVELOPMENT.

GENERAL NOTES

PRIMARY AND RESERVE AREAS ARE TO BE PROTECTED FROM COMPACTION AND DAMAGE BY MACHINERY AND EQUIPMENT DURING CONSTRUCTION.

ADDITIONAL TEST PITS MAY BE REQUIRED TO CONFIRM SOIL CONDITIONS IN THE AREA OF THE PRIMARY AND RESERVE LEACHING FIELDS. PITS ARE TO BE DUG PRIOR TO THE START OF CONSTRUCTION OF THE SEPTIC SYSTEM AND ARE TO BE STAKED IN THE FIELD BY ENGINEER TO ENSURE PROPER LOCATION.

DISTRIBUTION BOXES TO BE INSTALLED TO CREATE A HIGH LEVEL OVERFLOW (4\"/>

SEPTIC SYSTEM SHALL CONFORM TO THE CURRENT STATE OF CONNECTICUT PUBLIC HEALTH CODE.

IF FIELD CONDITIONS (MOTTILING, LEDGE OR GROUNDWATER) ARE ENCOUNTERED AT SHALLOWER DEPTH THAN THOSE SHOWN IN THE DEEP TEST HOLE RESULTS, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY AND CONSTRUCTION HALTED UNTIL FURTHER DIRECTED.

SDR 35 TIGHT PIPE FROM TANK TO D. BOX AND BETWEEN D. BOXES.

CONTOURS TAKEN FROM ON SITE FIELD TOPOGRAPHY AND ARE TO T-2 STANDARDS.

REQUIRED FILL SPECIFICATIONS

ALL LEACHING PRODUCTS WITH EFFECTIVE LEACHING CREDITS OF 7.4 SFLF AND HIGHER SHALL NOT BE UTILIZED WHERE THE UNDERLYING NATURALLY OCCURRING SOILS HAVE A MINIMUM PERCOLATION RATE SLOWER THAN THIRTY (30) MINUTES PER INCH.

SELECT FILL MATERIAL AND SELECT BACKFILL MATERIAL, PLACED WITHIN AND ADJACENT TO PROPOSED LEACHING AREAS SHALL BE COMPOSED OF CLEAN SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE FILL AND MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY A PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA.

- THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE (3) INCHES.
- UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
- THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AN THE SIEVE ANALYSIS STARTED.

THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE	PERCENT PASSING	PERCENT PASSING
#4	100%	100%
#10	70%-100%	70%-100%
#40	10%-50%	10%-75%
#100	0%-20%	0%-5%
#200	0%-5%	0%-2.5%

WET SIEVE TEST

THE RESPONSIBILITY FOR THE PREPARATION OF A LEACHING AREA UTILIZING SELECT MATERIAL IS THAT OF THE LICENSED INSTALLER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOILS FROM OVER COMPACTION AND SILTATION ONCE EXPOSED.

NOTE: WATER TREATMENT DEVICES NOT TO DISCHARGE INTO SEPTIC SYSTEM.

Eljen's Exclusive Mantis Design Provides Increased Surface Treatment Area in Less Space

When your installation requires more performance in less space, the Eljen Mantis Wastewater Leaching System delivers. The unique design of the Mantis System provides a two-stage Bio-Mat™ pre-treatment process that increases the soil's ability to accept the effluent, resulting in a superior leaching system in a smaller footprint.

MANTIS 536-8 SIMPLIFIED SIZING CHART
Gravity and Pressure Dosed Systems • Effective Leaching Area = 11.0 Square Feet/Linear Foot

Percolation Rate	2 Bedrooms		3 Bedrooms		4 Bedrooms		Each Bedroom Above Four			
	Length	Width	Length	Width	Length	Width	Length	Width		
Less Than .01	54	7	48	9	61	17	10	2	15	3
0.1-20.0	45	9	66	13	86	17	16	3	25	5
20.1-30.0	51	11	71	14	86	19	15	3	25	5
30.1-40.0	61	13	89	17	111	22	15	3	30	6
40.0-60.0	68	14	91	18	121	24	15	3	30	6

UNDESIRABLE FOR LEACHING SYSTEMS

MANTIS 536-8 CROSS SECTION and **MANTIS 536-8 PLAN VIEW** diagrams are included.

MANTIS 536-8 SPECIFICATIONS
 • Effective Leaching Area: 11.0 sq ft
 • Size: 36\"/>

Specified Sand Requirements

To ensure proper system operation, Eljen Corporation requires all of its Mantis Systems to be installed using an ASTM C33 sand with less than 10% passing a #100 sieve, and less than 5% passing a #200 sieve.

Reference the Eljen Mantis Design and Installation Manual for your state for the proper amount of specified sand required for installation.

Installers should request a sieve analysis from their material supplier to ensure that the specified sand that they are purchasing for use during installation of the Eljen Mantis system meets the specified sand requirements listed below.

Sieve Size	Sieve Square Opening Size	Specification Percent Passing
0.375"	9.5 mm	100.0
#4	4.75 mm	85.0 – 100.0
#8	2.36 mm	80.0 – 100.0
#16	1.18 mm	50.0 – 85.0
#30	600 µm	25.0 – 60.0
#50	300 µm	5.0 – 30.0
#100	150 µm	< 10.0
#200	75 µm	< 5.0

PERC TEST DATA

PERC TESTS TAKEN ON JULY 29, 2023 BY McMINN ASSOCIATES

PERC TEST No. 1	PERC TEST No. 2
PRESOAK @ 9:37 NAIL DOWN 2\"/>	PRESOAK @ 9:52 NAIL DOWN 2\"/>
DEPTH 25\"/>	DEPTH 24\"/>
TIME	TIME
DROP	DROP
11:01 - 10 1/2"	11:22 - 9 1/4"
11:11 - 15 3/4"	11:32 - 14 1/8"
11:21 - 18 1/4"	11:42 - 17 1/4"
11:31 - 20 1/4"	11:52 - 19 1/2"
11:41 - 22"	12:02 - 21 1/4"
11:51 - DRY	12:12 - 22 7/8"
PERC RATE = 5.71 MIN / IN	PERC RATE = 7.27 MIN / IN

DEEP TEST PIT DATA

Chatham Health District
State of Connecticut Department of Public Health
SITE INVESTIGATION FOR A SEWAGE DISPOSAL SYSTEM

Property Owner: Matt Abbott Location: Midwood Farm Rd, East Hampton 18-44-12A

DATE: 08-10-2023

TEST PIT: 23-1	TEST PIT: 23-2
0-9" - Natural topsoil	0-5" - Natural topsoil
9-21" - Medium to coarse brown sandy loam with cobbles	5-29" - Brown fine silty loam with cobbles
21-30" - Orange brown fine sand, some silt with cobbles	29-58" - Grey silty sand with rocks, gravel, and silt
30-52" - Orange-brown coarse sand	
Mottles: None observed	Mottles: None
GW: None	GW: None
Ledge: 52"	Ledge: 58"
Roots: 44"	Roots: 42"
Restrictive: Ledge at 52"	Restrictive: 58" ledge
TEST PIT: 23-3	TEST PIT: 23-4
0-9" - Natural topsoil	0-7" - Natural topsoil
9-27" - Red-brown very fine silty loam, damp	7-24" - Orange brown fine to medium sandy loam
27-39" - Medium orange brown sand with gravel. Moist, moderately compact	24-46" - Orange brown coarse sand and gravel with cobbles
Mottles: 34"	Mottles: 39"
GW: None	GW: None
Ledge: 39"	Ledge: 46"
Roots: 34"	Roots: 34"
Restrictive: Ledge at 39"	Restrictive: Ledge at 46"

PERCOLATION TESTS

MATT ABBOTT - MIDWOOD ROAD LOT EAST HAMPTON, CT PERFORMED BY FRANK C. MAGNOTTA, PE JULY 13, 2022

NO: A DEPTH: 18"

TIME	READING	RATE (MIN. PER INCH)
7:56	6"	
8:05	10"	
:15	11 3/4"	
:25	13"	
:35	14"	10
:45	15"	10
:55	15 3/4"	13.3
9:05	LESS THAN 3" OF WATER	
10.1- 20 MIN/INCH		

PRESOAK AT 3:00 PM JULY 12, 2022.

NO: B DEPTH: 19"

TIME	READING	RATE (MIN. PER INCH)
7:58	8"	
8:06	10"	
:16	12"	
:26	13"	
:36	14"	10
:46	14 7/8"	11.4
:56	15 1/2"	16
9:06	16 1/8"	16
:16	LESS THAN 3" OF WATER	
10.1- 20 MIN/INCH		

PRESOAK AT 3:05 PM JULY 12, 2022.

PERCOLATION TESTS

Chatham Health District
State of Connecticut Department of Public Health
1/1/11

Property Owner: Gustine Family Limited Partnership / 1 Mont Hill Road East Hampton, CT 06424
Location: Parcel ID: 18-44-12A Midwood Farm Road East Hampton

NO: A DEPTH: 18"

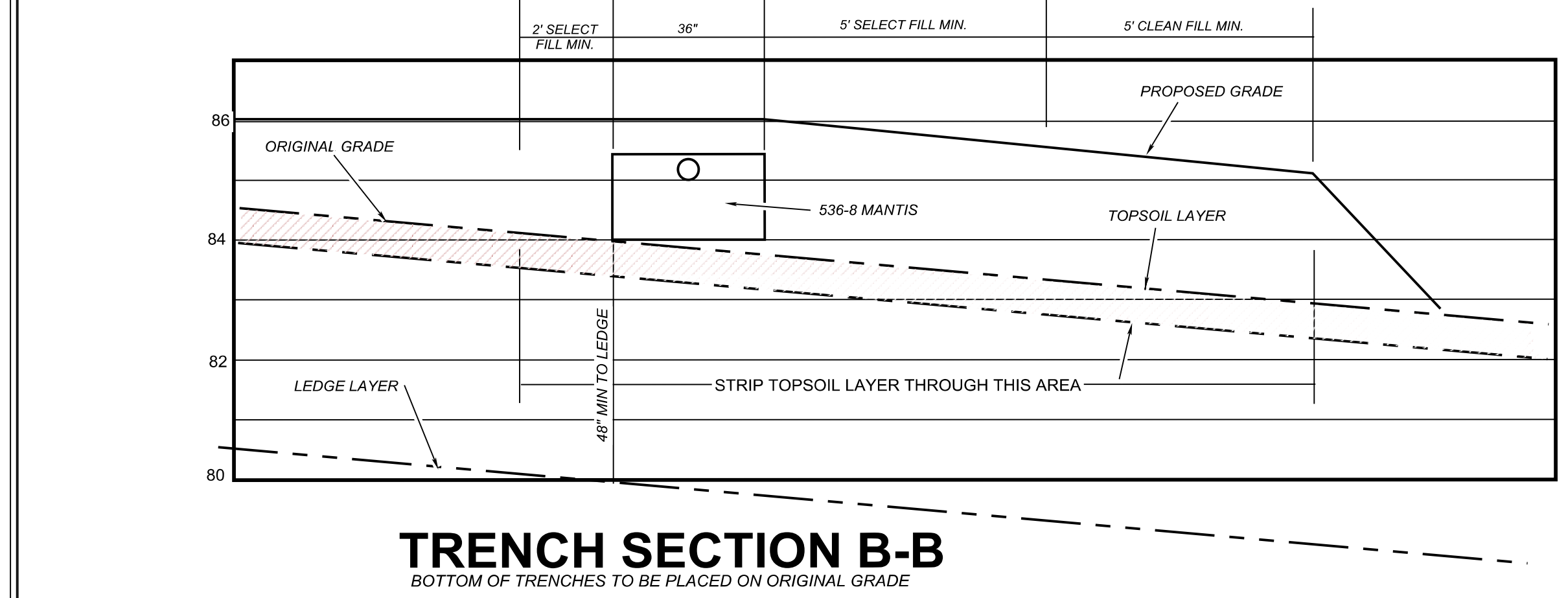
TEST PIT: #1	TEST PIT: #2	TEST PIT: #3	TEST PIT: #4
0-9" Topsoil	0-10" Topsoil	0-9" Topsoil	0-9" Topsoil
9-29" Brown sandy loam with stones	10-34" Brown sandy loam with stones	9-24" Brown fine sandy loam	9-24" Brown loamy sand
29-44" Moderately compact grey loamy sand	34-44" Ultra grey sandy loam with stones	24-46" Moderately compact grey fine sandy loam with stones	24-46" Moderately compact grey fine sandy loam with stones
Mottles: None	Mottles: None	Mottles: None	Mottles: 39"
GW: None	GW: None	GW: None	GW: None
Ledge: 42"	Ledge: 44"	Ledge: 34"	Ledge: 46"
Roots: 26"	Roots: 27"	Roots: 24"	Roots: 24"
Restrictive: Restrictive	Restrictive: Restrictive	Restrictive: Restrictive	Restrictive: Restrictive

PRESOAK AT 3:00 PM JULY 12, 2022.

NO: B DEPTH: 19"

TEST PIT: #5	TEST PIT: #6	TEST PIT: #7
0-9" Topsoil	0-9" Topsoil	0-9" Topsoil
9-30" Brown sandy loam with stones	9-34" Brown sandy loam with stones	9-34" Brown grey fine sandy loam with stones
30-41" Moderately compact grey loam with stones	34-46" Moderately compact grey loam with stones	34-46" Moderately compact grey loam with stones
Mottles: 21"	Mottles: None	Mottles: None
GW: None	GW: None	GW: None
Ledge: 31"	Ledge: 31"	Ledge: 31"
Roots: 21"	Roots: 24"	Roots: 24"
Restrictive: Restrictive	Restrictive: Restrictive	Restrictive: Restrictive

PRESOAK AT 3:05 PM JULY 12, 2022.



REVISIONS

No.	DATE	DESCRIPTION

McMINN ASSOCIATES

LAND USE CONSULTANTS
PAUL STOWELL REG. LAND SURVEYOR
171 WILCOX ROAD
MILFORD, CONNECTICUT

(860) 682-0163 - (860) 537-0046

SOILS DATA, DETAILS, EROSION CONTROL NOTES AND GENERAL NOTES

PROPERTY OF & PREPARED FOR
MATHEW & LEANNE ABBOTT
MIDWOOD FARM ROAD
EAST HAMPTON, CONNECTICUT
SEPTEMBER 1, 2023 - SHEET 2 OF 2

SHEET 2 OF 2

JOB No. 23-021

pbz-counter

From: Walsh, Matthew
Sent: Thursday, April 18, 2024 11:50 AM
To: pbz-counter
Subject: Re: iwwa 110/108 midwood

Good Morning

That is a pretty good summary of our conversation. The signs he is referring to are the public tree warden notice.

Matthew Walsh P.E.
Director of Public Works
Tree Warden
1 Public Works Drive
East Hampton, CT 06424
860-267-4747



From: pbz-counter <pbz-counter@easthamptonct.gov>
Sent: Thursday, April 18, 2024 11:34 AM
To: Walsh, Matthew <mwash@easthamptonct.gov>
Subject: iwwa 110/108 midwood

Good Morning,

We have an application at IWWA for a single family home construction as it is within 200' from watercourse. The property owner stated, "that the road was discontinued which leaves me responsible for improvements and maintenance. The public works department also is aware of this and had put the sign up stating I will be removing the flagged trees that are on the town property along the dirt road which was over a month ago now." Is this an accurate statement? He plans to add gravel to road and up to his driveway. I just want to verify that he can do these "road improvements".

Thank you,

Cheryl