



Town of North Stonington  
Inland Wetlands / Planning and Zoning Commission

### Inland Wetlands and Zoning Permit

**received**  
5/10/21

Application Number: 21-051      Receipt Date: 5/10/21

**Driveway Permit**

Highway Foreman 535-0924  
Driveway Bond: \$1,500.00

**Inland Wetlands**

535-2877 ext. 14  
Wetlands Fee: \$ 160 #25577

**Planning & Zoning**

535-2877 ext. 26  
Zoning Fee: \$ \_\_\_\_\_

**Applicant Information:**

Name: Gwendlynn Hastedt  
Mailing Address: 195 Baltic Hanover Road  
Baltic, CT 06330

Contact Info: Phone: 860-234-3541 Fax: \_\_\_\_\_ E-mail: andrewhastedt@gmail.com

**Owner of Record:**

Name: Gwendlynn Hastedt  
Mailing Address: 195 Baltic Hanover Road  
Baltic, CT 06330

Contact Info: Phone: 860-234-3541 Fax: \_\_\_\_\_ E-mail: andrewhastedt@gmail.com

Tax Map 45      Lot 6295/7229      Zone R80

Property Location (Street & Number): Lakeside Drive

**Proposed Activity**

(Explain) Construction of new single family house, driveway, well, septic system, dock, patio and associated grading.

The owner of the above property guarantees that all the application requirements of the Inland Wetlands Regulations and the Zoning Regulations will be met.

Signature of Property Owner or Agent: [Signature]      Date: 5/7/21

**FOR OFFICE USE ONLY:**

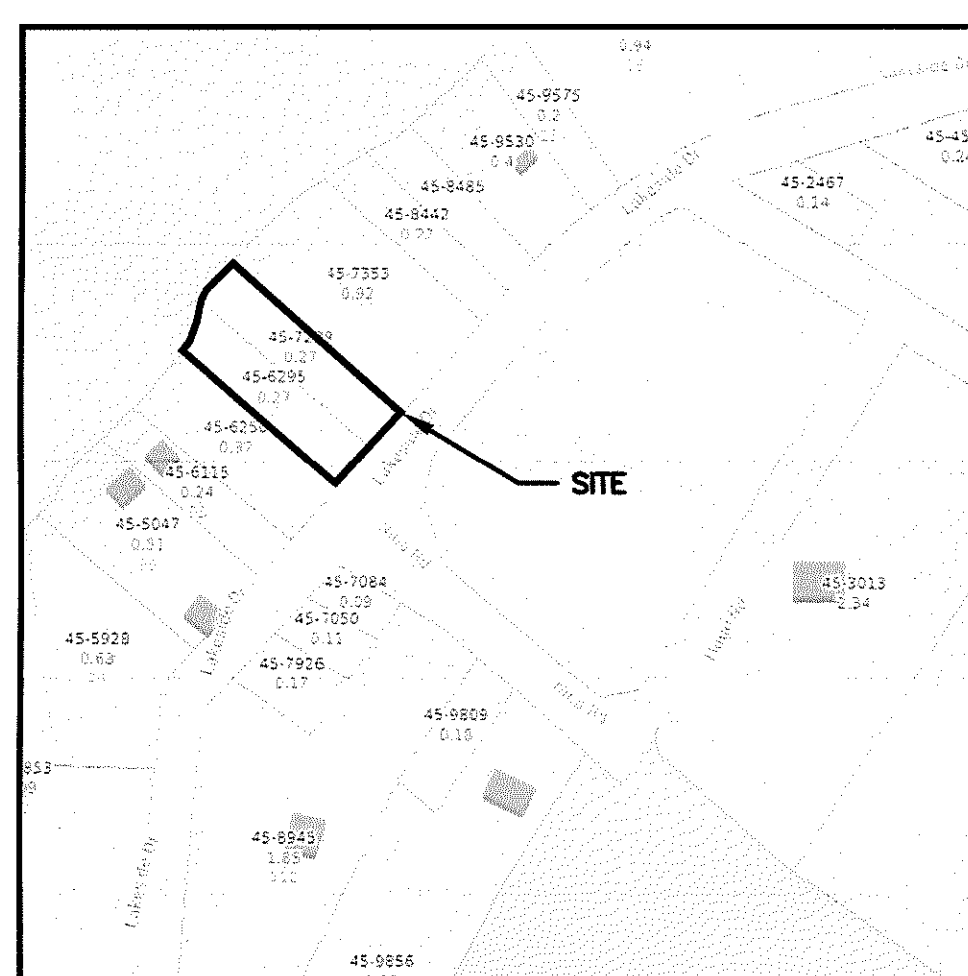
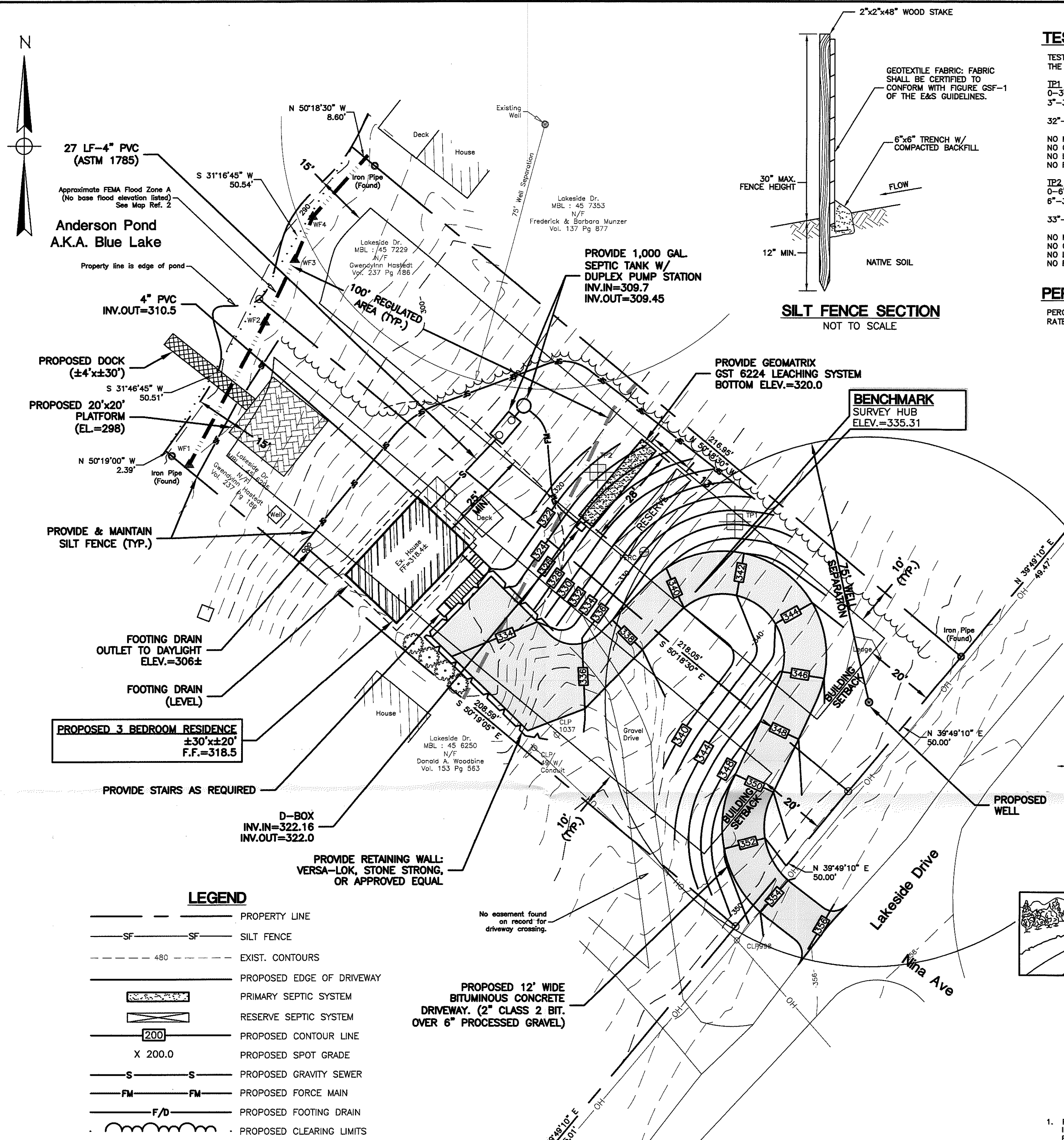
Disposition and action taken by the Inland Wetlands Board or Insignificant and Rights of Use Permit\* by the Wetlands Enforcement Officer (WEO). (Wetlands Permit is valid for three years from date of issuance as long as work has commenced)

Signature of IWC Chairman or WEO: \_\_\_\_\_ Date: \_\_\_\_\_

The above stated proposal is hereby certified to comply (  ), not comply (  ) with the Town of North Stonington Zoning Regulations. (Zoning Permit is valid for one year from date of issuance)

Stipulations: \_\_\_\_\_

Signature of P & Z Chairman or ZEO: \_\_\_\_\_ Date: \_\_\_\_\_

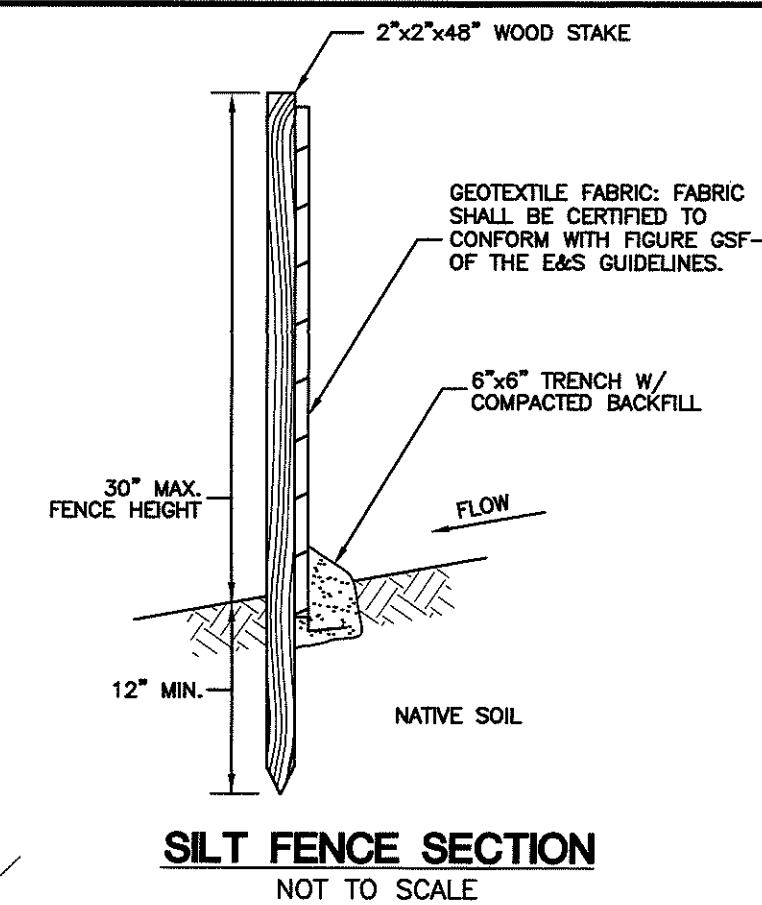


**TEST PIT DATA**

TEST PITS PERFORMED ON 3/17/2021 AND LOGGED BY THE LEDGE LIGHT HEALTH DISTRICT

TP1  
0-3" TOPSOIL  
3"-32" LT. BROWN FINE TO VERY FINE SANDY LOAM, TRACE SILT  
32"-96" BROWN-OLIVE GRAY MED-COARSE SAND WITH GRAVEL, COBBLES, ROCKY, SOME LARGE ROCKS  
NO MOTTLING  
NO GROUNDWATER  
NO LEDGE  
NO RESTRICTIVE LAYER

TP2  
0-6" TOPSOIL  
6"-33" LT. BROWN FINE TO VERY FINE SANDY LOAM, TRACE SILT  
33"-84" BROWN-OLIVE GRAY MED-COARSE SAND WITH GRAVEL, COBBLES, ROCKY  
NO MOTTLING  
NO GROUNDWATER  
NO LEDGE  
NO RESTRICTIVE LAYER



**PERCOLATION TEST DATA**

PERCOLATION TEST PERFORMED BY JOHN BILDA, PE. RATES WAS REPORTED TO BE 5.1 MIN/IN

**SEPTIC SYSTEM DESIGN**

PRIMARY LEACHING AREA  
3 BEDROOM RESIDENCE  
PERCOLATION RATE: 5.1 MIN/INCH  
LEACHING AREA REQUIRED: 495 SF

USE GEOMATRIX GST 6224 LEACHING SYSTEM  
EFFECTIVE LEACHING AREA OF TRENCH = 18.1 SF/ LF  
REQUIRED LENGTH = 495 SF / 18.1 SF/ LF = 27.3 LF

MISS CALCULATION  
NO RESTRICTIVE LAYER  
MISS NEED NOT BE CONSIDERED

PROPOSED SYSTEM  
GST 6224 LEACHING SYSTEM: USE 1 ROWS OF 28 LF  
LEACHING AREA PROVIDED = 506.8 SF

RESERVE LEACHING AREA  
USE SAME AS PRIMARY SYSTEM

**SEPTIC GENERAL NOTES**

- ALL WORK AND MATERIAL (SEPTIC TANK, DISTRIBUTION BOX, PIPE, ETC.) SHALL CONFORM TO THE CONNECTICUT PUBLIC HEALTH CODE ON-SITE SEWAGE DISPOSAL REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS AS REVISED.
- PROPOSED SEPTIC SYSTEMS SHALL BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT. A BENCHMARK SHALL BE SET WITHIN 10'-15' OF THE PROPOSED SEPTIC SYSTEM PRIOR TO CONSTRUCTION.
- SEWER LINE FROM FOUNDATION WALL TO SEPTIC TANK SHALL BE 4" SCHEDULE 40 PVC - ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE.
- PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO ASTM-D-3034 AND SDR-35.
- LEACHING SYSTEM ROWS SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING AS CALLED FOR IN THE CONNECTICUT PUBLIC HEALTH CODE.
- THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEMS.
- PROPOSED SEPTIC AREAS SHALL BE CLEARED AND GRUBBED. ALL TOPSOIL IN THE AREA SHALL BE STRIPPED AND STOCKPILED FOR FUTURE USE.
- ALL FILL MATERIAL SHALL BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
- TOPSOIL SHALL BE RE-APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS IN ACCORDANCE WITH THE SLOPE STABILIZATION DETAILS.
- ALL EXISTING UTILITIES TO BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG: 811.

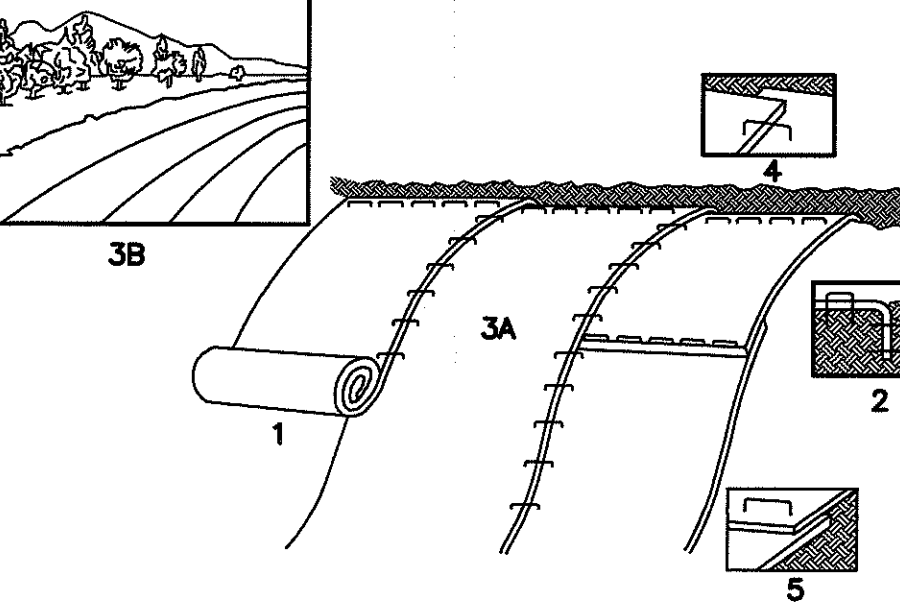
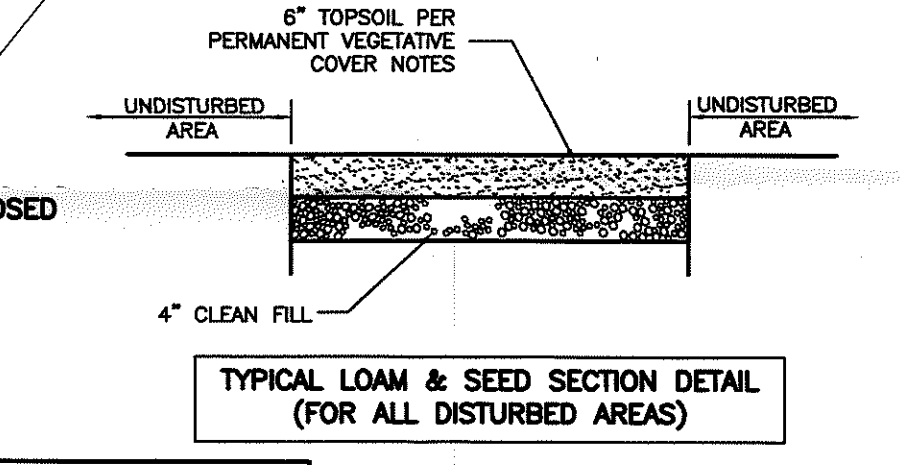
**SELECT FILL SPECIFICATION**

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE CLEAN MATERIAL COMPRISED OF SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY THE DESIGN P.E. SELECT FILL EXCEEDING 6 PERCENT PASSING THE #200 SIEVE BASED ON WET SIEVE ANALYSIS CANNOT BE APPROVED BY THE DESIGN P.E.

- THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
- UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED (GRAVEL PORTION) ON THE #4 SIEVE.
- THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
- THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA

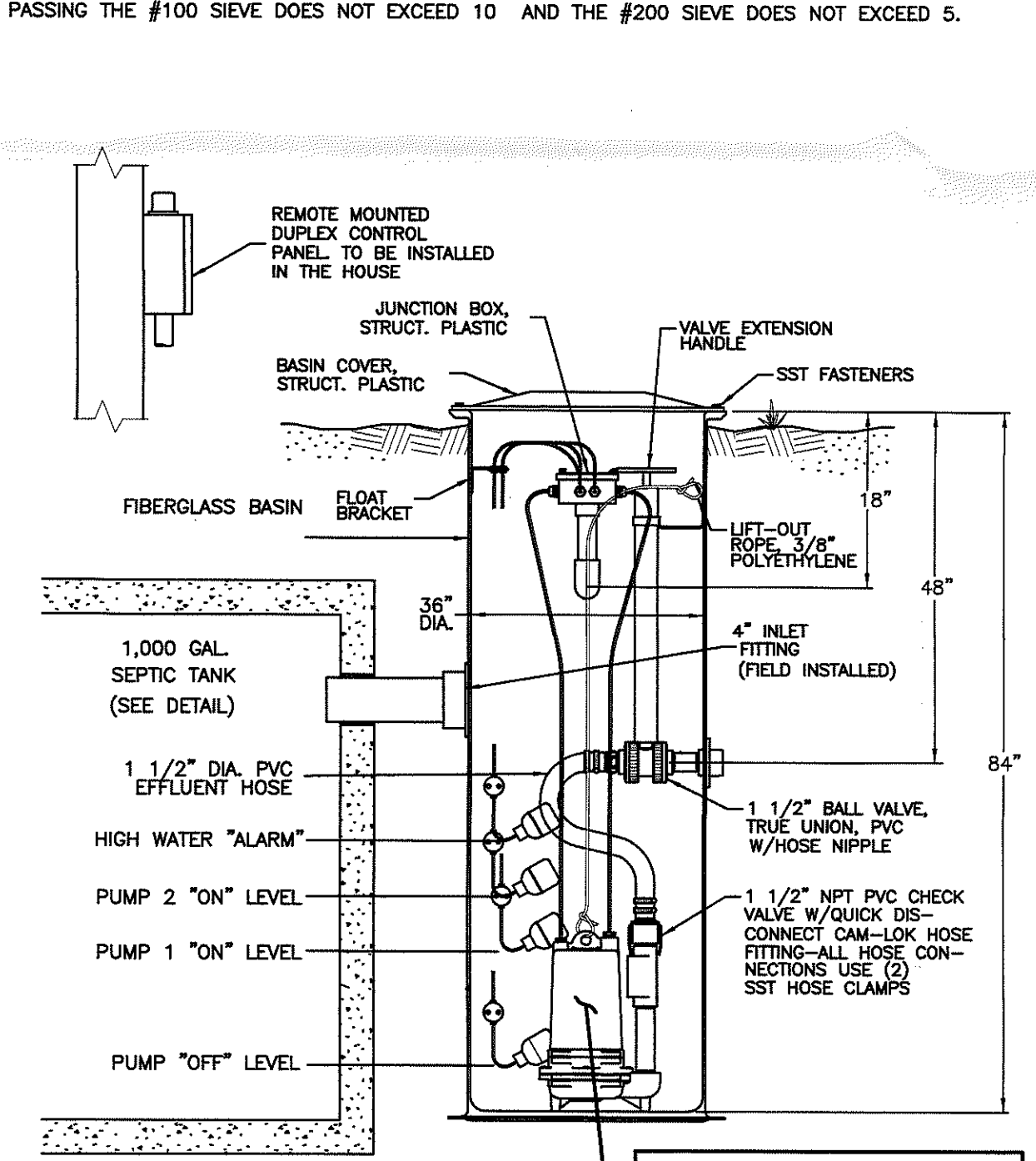
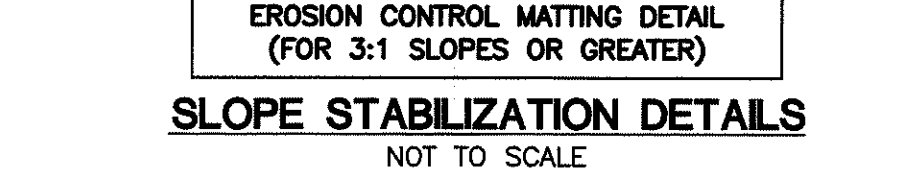
SIEVE SIZE	WET SIEVE	DRY SIEVE
#4	100	100
#10	70-100	70-100
#40	10-50*	10-75
#100	0-20	0-5
#200	0-5	0-2.5

\* 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.

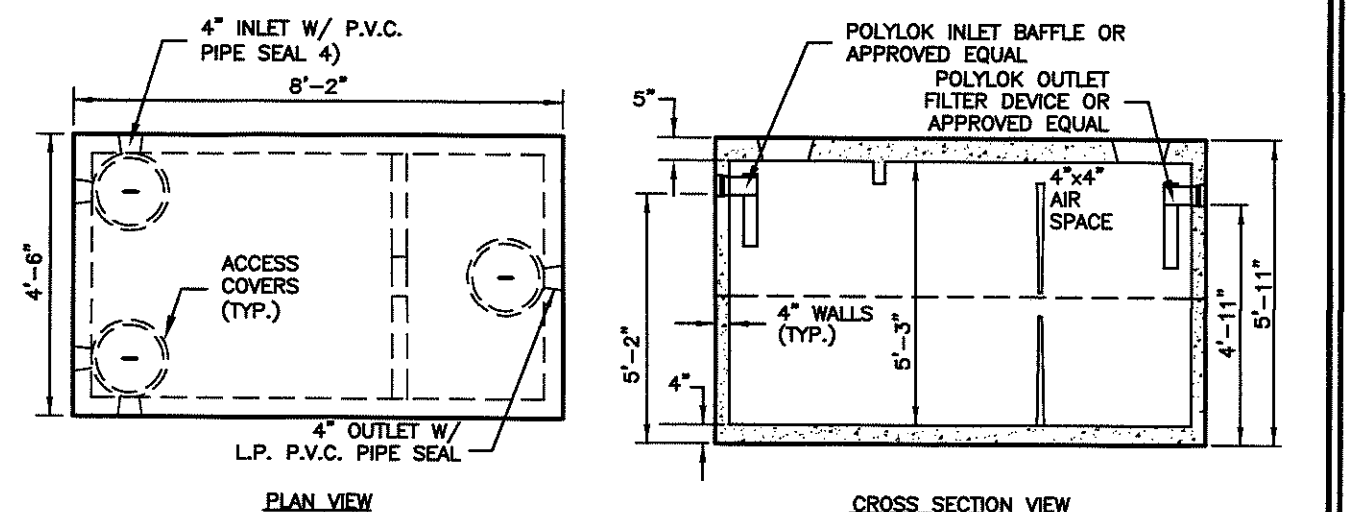
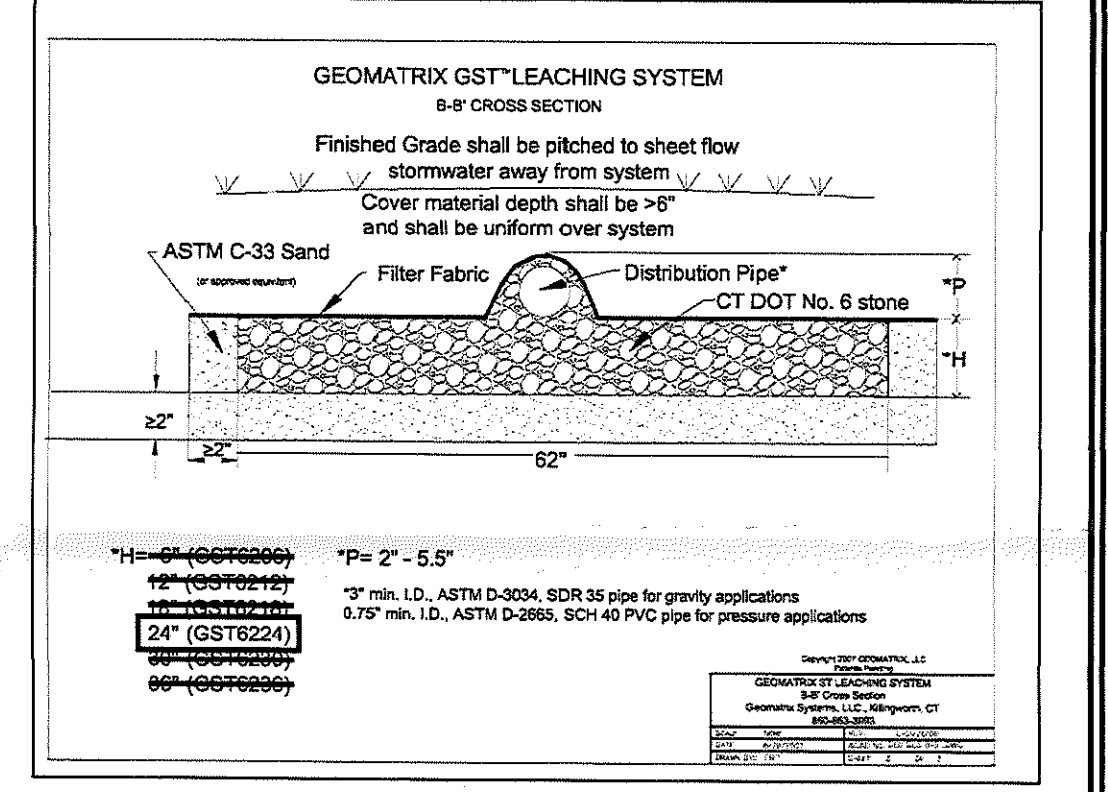
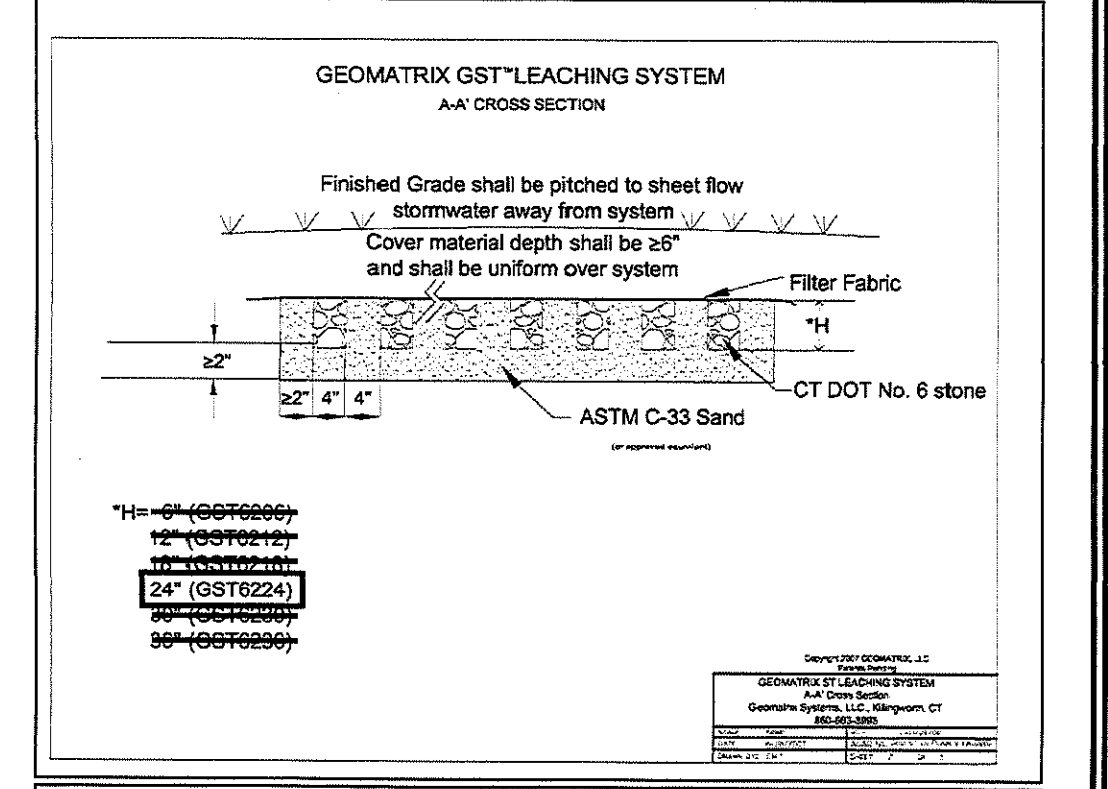
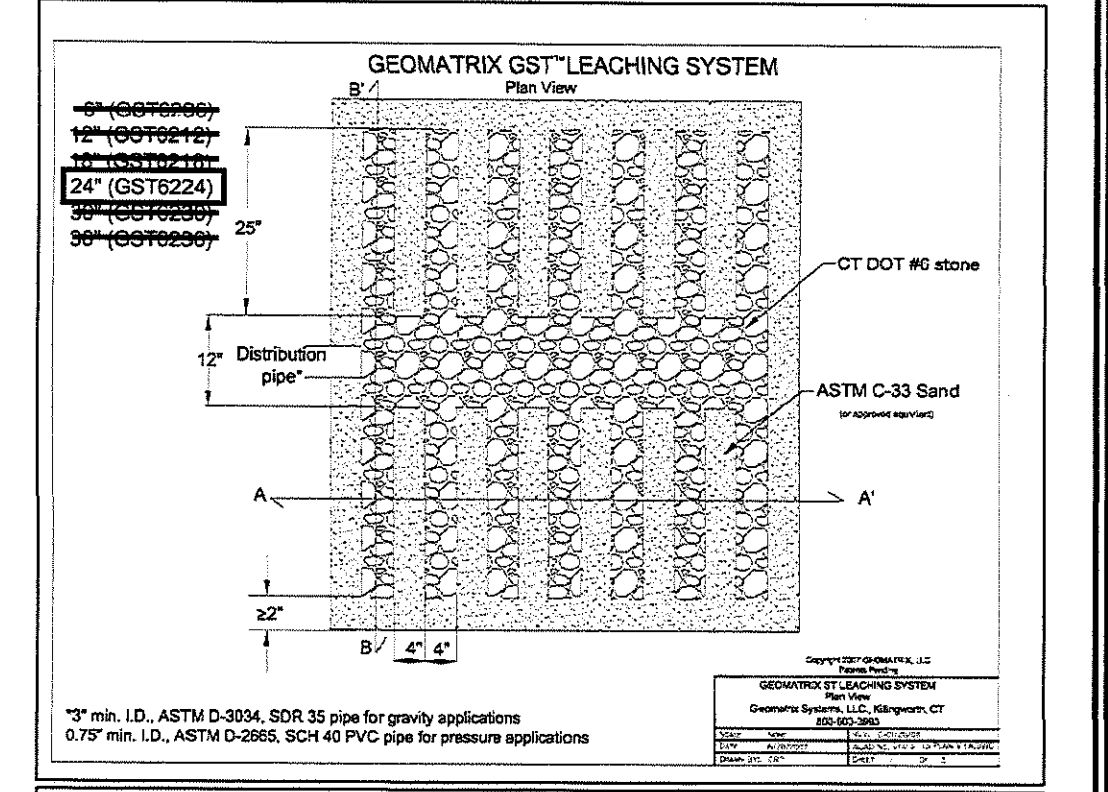


- PROVIDE 6" THICKNESS OF TOPSOIL OVER CLEAN FILL. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED MIX PER PERMANENT VEGETATIVE COVER NOTES. (SHALL BE PAID FOR AT THE UNIT PRICE FOR LIME, SEED, FERTILIZER & MULCH)
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP x 6" WIDE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ROLL THE BLANKET (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
- WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

NOTE: ALL PERMANENT EROSION CONTROL BLANKETS ARE TO BE NORTH AMERICAN GREEN BONEY C1258M OR APPROVED EQUAL.



PROVIDE DUPLEX EFFLUENT PUMPS BARNES EH SERIES, MYERS DE SERIES, OR EQUAL (4/10 HP MIN)



- DIMENSIONS MAY VARY DEPENDING ON TANK MANUFACTURER. (UNITED CONCRETE SHOWN)
- CONCRETE - 4,000 P.S.I. AT 28 DAYS
- STEEL REINFORCEMENT - ASTM A-615 GR. 60, A-185 OR A-497, 1" MIN. COVER
- CONSTRUCTION JOINT-SEALED WITH 1" DIA. BUTYL RUBBER OR EQUIVALENT.
- SEPTIC TANK SHALL MEET THE REQUIREMENTS OF SECTION 5 OF THE CT PUBLIC HEALTH CODE
- PROVIDE RISERS AND ACCESS COVER TO WITHIN 12" OF FINISHED GRADE. TANK ACCESS COVERS TO REMAIN IN PLACE

**1000 GALLON SEPTIC TANK**  
NOT TO SCALE

I HAVE REVIEWED THE WETLANDS ON THE PROPERTY IN THE FIELD AND HAVE REVIEWED THE WETLANDS AS SHOWN ON THE PLAN AND FIND THAT THEY SUBSTANTIALLY REPRESENT THE WETLANDS AS DELINEATED IN THE FIELD.

Robert C. Russo  
ROBERT C. RUSSO  
CERTIFIED SOIL SCIENTIST

5/10/21  
DATE

Zone: R-80 / Seasonal Use Overlay

**CLA Engineers, Inc.**  
CIVIL · STRUCTURAL · SURVEYING

317 Main Street Norwich, CT 06360  
(860) 886-1966 Fax (860) 886-9165

**SITE PLAN / SEPTIC SYSTEM DESIGN**

MBL: 45 8295 & 45 7229  
**LAKESIDE DRIVE**  
**NORTH STONINGTON, CT**

Site Plan / Septic System Design

Project No. CLA-6829  
Proj. Engineer K.J.H.  
Date: 5/10/2021  
Sheet No. 1

**MAP REFERENCES**

- "PLAN OF LOTS AT BLUE LAKE VILLA IN NORTH STONINGTON, CONN" SURVEYED FOR JAMES PETTINE AND MICHAEL FITZPATRICK SCALE 1"=50' APR. 9 1954 BY WILLIAM W. PIKE, SURVEYOR. SHEET 2 OF 2.
- "FLOOD INSURANCE RATE MAP" NEW LONDON COUNTY, CONNECTICUT PANEL 244 OF 554 COMMUNITY: NORTH STONINGTON NUMBER 090101 PANEL 0244 SUFFIX G MAP NUMBER 09011C0244G EFFECTIVE DATE 07/18/2011

TO MY KNOWLEDGE AND BELIEF THIS PLAN IS SUBSTANTIALLY CORRECT AS NOTED OR DEPICTED HEREON.

RYAN J. CHEVERIE, L.L.S. #70454

05-10-21  
DATE

