

**Torrington Area Health District**  
**350 Main St. - Suite A; Torrington, Ct 06790**

Permit #

**18001**

**T A H D Is A Equal Opportunity Provider**  
**Design Review For**  
**Subsurface Sewage Disposal System**

226	Millerton Rd	Salisbury			
Lot #	Street #	Street Name	Town	Subdivision	
Agostino Galuzzo		P. O. Box 1306		Lakeville	Ct. 06069
Owner		Owner Address		Town	State Zip

Owner Telephone	Agent's Name			
Allied Engineering	Po Box 726	N. Canaan	Ct.	06018
Engineer	Engineer Address	Town	State	Zip

This Approval Indicates That The Proposal Has Been Reviewed By The Health District And Is In Compliance With Applicable Regulations As Contained In The Public Health Code For This Project.

Plan Date: January 21, 2024      Plan prepared by George Johannesen

Plan Approval Date: June 9, 2025      # Of Bedrooms: 1

Geomatrix 6218

Septic System Type

1000

Tank Size

336

Field Sq Ft.

24'

Length Of Septic System

☒ Approved

☐ Plan Revision Required

☒ Required

☐ Not Required

(2) Perk Tests In Fill By Engineer

**This Is Not A Permit To Construct** A Subsurface Sewage Disposal System. The Permit To Construct Will Be Issued To The Licensed Septic System Installer Prior To Actual Construction. This Plan Approval Is Subject To Specific And General Conditions As Shown On This Form And/or The Approved Plan. **Please Read Them Carefully.**

<input checked="" type="checkbox"/> Engineer Design	<input checked="" type="checkbox"/> Select Fill Required	<input checked="" type="checkbox"/> As Below
<input checked="" type="checkbox"/> Percolation Test In Fill	<input type="checkbox"/> Curtain Drain	<input checked="" type="checkbox"/> In Place Sieve Test Required
<input checked="" type="checkbox"/> Engineer As Built Required	<input type="checkbox"/> Engineer Supervision	<input type="checkbox"/> Low Flow Water Treatment
<input checked="" type="checkbox"/> Field Staking By Engineer	<input type="checkbox"/> As-built Installer	

- 1) Building, well, and septic system to be field staked by the design engineer or surveyor.
- 2) Force main should discharge to the septic tank via a 4" pipe connection before entering the tank.
- 3) System to be installed when soil moisture is low.
- 4) Sewage pump to be 75' from the well, as shown, UNLESS in a monolithic chamber.
- 5) An exception to drill a well within 200' of a public water supply has been approved by the State Dept of Health.

Approved By:

Director Of Health

Sanitarian

GENERAL NOTES

1. TOPOGRAPHY, PROPERTY LINES, DIMENSIONS AND MISCELLANEOUS INFORMATION TAKEN FROM
- A. MAP PREPARED FOR SUSAN HOAG GALLUZZO, MILLERTON ROAD, TOWN OF SALISBURY, COUNTY OF LITCHFIELD, STATE OF CONNECTICUT, SCALE: 1"=40', AUGUST 16, 2005 BY ARTHUR H. HOWLAND, L.S. LICENSE #5548, NEW MILFORD, CT.
- B. TOPOGRAPHIC SURVEY DONE BY THIS OFFICE.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION. POTENTIAL PROBLEMS OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONSTRUCTION STARTS. THIS DESIGN IS SCHEMATIC, ADJUSTMENTS TO LOCATIONS, DIMENSIONS AND ELEVATIONS OF SEPTIC TANK AND LEACHING SYSTEM MAY BE NECESSARY TO CONFORM TO FIELD CONDITIONS. CHANGES IN THE DESIGN SHALL BE APPROVED BY THE LOCAL HEALTH DEPARTMENT, THE ENGINEER OR BOTH. STATE LAW REQUIRES: CALL BEFORE YOU DIG 1-800-922-4455 TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES.
3. MATERIALS USED FOR THE JOB AND CONSTRUCTION PRACTICES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL HEALTH DEPARTMENT AND/OR THE CONNECTICUT STATE DEPARTMENT OF HEALTH PUBLIC HEALTH CODE SECTION 19-13-B103 A-F.
4. SEPTIC TANK SHALL BE WATER TIGHT 1,000 GALLON PRECAST CONCRETE, 2 COMPARTMENT TANK OR LARGER. TANK SHALL BE PLACED LEVEL. TANK COVERS SHALL BE PLACED WITH NOTIFICATION THAT "ENTRANCE INTO THE TANK COULD BE FATAL". TANK COVERS SHALL BE EXTENDED TO GRADE WITH SUITABLE RISERS AS REQUIRED. A SECONDARY SAFETY DEVICE (SM/TECH STF-N24) IS REQUIRED INSIDE OF EACH TANK COVER. PROVIDE H-20 LOADING IF USED UNDER DRIVEWAY OR PARKING AREA. TANK SHALL HAVE AN APPROVED NON-BYPASS EFFLUENT FILTER AT THE OUTLET. THE SEPTIC TANK SHALL BE OF THE SIZE INDICATED AND SHALL BE PRECAST REINFORCED CONCRETE AS MANUFACTURED BY A. RICHARD SEPTIC SYSTEMS, INC., TORRINGTON, CONNECTICUT OR APPROVED EQUAL. IF A GARBAGE GRINDER IS INSTALLED IN THE HOUSE THE CAPACITY OF THE SEPTIC TANK SHALL BE INCREASED BY 250 GALLONS. IF LARGE TUB IS INSTALLED IN THE HOUSE, THE CAPACITY OF THE SEPTIC TANK SHALL BE INCREASED BY 250 GALLONS FOR A 100-200 GALLON TUB OR 500 GALLONS FOR A TUB OVER 200 GALLONS.
5. PROVIDE 1'-3" MINIMUM COVER OVER SEPTIC TANK. TANKS INSTALLED IN DRIVE OR PARKING AREAS SHALL BE DESIGNED FOR H-20 LOADING.
6. ALL PIPE USED SHALL CONFORM TO STATE OF CONNECTICUT, DEPARTMENT OF HEALTH STANDARDS AND SHALL HAVE 1'-0" MINIMUM COVER OVER TOP OF PIPE.
7. THE PRECAST CONCRETE DISTRIBUTION BOX SHALL BE SET LEVEL TO PROVIDE EVEN FLOW TO BOTH SIDES. BOX SHALL BE SET ON 6" MIN. DEEP PAD OF COMPACTED GRAVEL OR 1" CRUSHED STONE.
8. THE SANITARY SEWAGE DISPOSAL SYSTEM CONSISTS OF 1 ROW GEOMATRIX GST 6218 FOR A TOTAL LENGTH OF 24 LF. 24 LF X 14.0 SF/LF=336 SF EFFECTIVE AREA PROVIDED. A 1 BEDROOM HOUSE REQUIRES 282.5 SF MIN LEACHING AREA.
9. THE BACKFILL USED IN ALL SANITARY SEWAGE DISPOSAL SYSTEM TRENCHES SHALL BE AS SPECIFIED ON PLAN OR OTHER ACCEPTABLE MATERIAL MEETING THE SPECIFICATIONS OF THE STATE OF CONNECTICUT, DEPARTMENT OF HEALTH AND/OR LOCAL HEALTH DEPARTMENT.
10. SURFACE WATER SHALL BE DIVERTED FROM THE SANITARY SEWAGE DISPOSAL SYSTEM AREA BY MEANS OF GRADING.
11. THE DEVELOPER OR OWNER OR BOTH SHALL BE RESPONSIBLE FOR ALL RIGHTS OF WAYS AND RIGHTS TO DRAIN.
12. NO SUBSURFACE INVESTIGATIONS WERE MADE OTHER THAN THOSE INDICATED. SUBSURFACE PROBLEMS ARE THE RESPONSIBILITY OF THE OWNER. THE EXACT LOCATIONS OF ANY UNDERGROUND UTILITIES ARE UNKNOWN AND ARE THE RESPONSIBILITY OF THE OWNER SHOULD ANY BE ENCOUNTERED DURING THE INSTALLATION OF THE SANITARY SYSTEM.
13. THE SEPTIC SYSTEM IS FOR SANITARY SEWAGE DISPOSAL ONLY. ALL STORM WATER, COOLING WATER, WATER SOFTENER RESIDUES, SUBSOIL DRAINAGE AND OBJECTIONABLE INDUSTRIAL WASTES ARE TO BE EXCLUDED FROM THE SYSTEM.
14. THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
15. NO AIR CONDITIONING, REFRIGERATION, WATER SOFTENER RESIDUES, OR DRAINAGE (SURFACE OR SUBSURFACE) MAY BE CONNECTED TO THE SANITARY SEWAGE DISPOSAL SYSTEM.
16. HOUSE FOOTING DRAINS SHALL BE KEPT 25' MIN. FROM ANY PART OF THE SANITARY SEWAGE DISPOSAL SYSTEM.
17. REMOVE THE TOPSOIL IN THE AREA TO RECEIVE FILL. CARE SHALL BE TAKEN TO NOT OVERCOMPACT THE SOIL WITH HEAVY EQUIPMENT. KEEP HEAVY EQUIPMENT OFF OF THE EXPOSED SURFACE. EQUIPMENT SHALL NOT BE USED ON THE EXPOSED SURFACE AREA DURING MUDDY CONDITIONS.
18. THERE ARE NO KNOWN WELLS WITHIN 75' OF THE PROPOSED SANITARY SEWAGE DISPOSAL SYSTEM.
19. NO SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE CONSTRUCTED, ALTERED, REPAIRED OR EXTENDED WITHOUT AN APPROVAL TO CONSTRUCT ISSUED IN ACCORDANCE WITH THE CURRENT PUBLIC HEALTH CODE. NO DISCHARGE SHALL BE INITIATED TO A SUBSURFACE SEWAGE DISPOSAL SYSTEM WITHOUT A DISCHARGE PERMIT ISSUED IN ACCORDANCE WITH THE CURRENT PUBLIC HEALTH CODE. SUCH PERMITS AND APPROVALS SHALL BE ISSUED AND ADMINISTERED BY THE LOCAL DIRECTOR OF HEALTH.
20. WHILE THE SEWAGE DISPOSAL SYSTEM IS UNDER CONSTRUCTION, THE LOCAL DIRECTOR OF HEALTH MAY REQUIRE THAT THE CONSTRUCTION BE SUPERVISED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CONNECTICUT, IF IN THE OPINION OF THE LOCAL DIRECTOR OF HEALTH IT IS NECESSARY TO INSURE CONFORMANCE TO THE PLANS APPROVED OR BECAUSE OF THE DIFFICULTIES LIKELY TO BE ENCOUNTERED, THE ENGINEER SHALL MAKE A RECORD DRAWING OF THE SEWAGE DISPOSAL SYSTEM, AS INSTALLED, WHICH HE SHALL SUBMIT TO THE LOCAL DIRECTOR OF HEALTH PRIOR TO THE ISSUANCE OF A DISCHARGE PERMIT.
21. THERE ARE NO SOURCES OF CONTAMINATION WITHIN 75 FT. OF PROPOSED WELL SITE.
22. THE SYSTEM MUST BE INSTALLED WHEN SOIL MOISTURE IS LOW.
23. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING ADJACENT TO TREES.
24. "AN 'AS-BUILT' PLAN MUST BE PREPARED AND SUBMITTED TO THE LOCAL HEALTH DEPARTMENT, WITHIN 30 DAYS OF THE INSPECTION BY THE ENGINEER/SURVEYOR."
25. "FOR LEACHING SYSTEMS CONSTRUCTED WITH THE BOTTOMS IN FILL, A MINIMUM OF TWO PERCOLATION TESTS MUST BE CONDUCTED IN THE FILL MATERIAL BEFORE THE LEACHING SYSTEM CAN BE INSTALLED."
26. "NO BALLAST IS REQUIRED FOR THE SEPTIC TANK OR PUMP CHAMBER PROVIDED THAT A MINIMUM OF 1.25' OF COVER IS MAINTAINED."
27. "AN IN-PLACE SIEVE TEST OF THE 'SELECT FILL' MATERIAL ON SITE TO BE CONDUCTED AS PART OF THE FILL APPROVAL PROCESS. THE TEST RESULTS FOR A COMPOSITE SAMPLE, COLLECTED BY THE ENGINEER OR TESTING LAB MUST BE PROVIDED TO THE LOCAL HEALTH DEPARTMENT PRIOR TO ISSUANCE OF THE PERMIT TO DISCHARGE."

C-33 FILL SAND MATERIAL SPECS

1. 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 ON.
2. THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SELECT FILL SIEVE SIZE	PERCENT PASSING WET SIEVE	PERCENT PASSING 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%

C-33 SIEVE SIZE	PERCENT PASSING
0.375"	100%
#4	95.0-100%
#8	80.0-100.0%
#16	50.0-85.0%
#30	25.0-60.0%
#50	5.0-30.0%
#100	< 10%
#200	< 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% IF THE FILL FAILS THE DRY SIEVE BUT PASSES THE WET SIEVE, THEN THE FILL SHALL BE APPROVED.

SITE INFORMATION

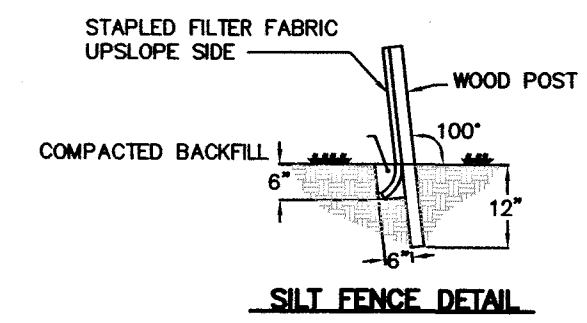
TAX MAP DESIGNATION: TOWN OF SALISBURY MAP 43, BLOCK 32

PROPERTY OWNER: AGOSTINO GALLUZZO TRUSTEE P.O. BOX 1306 LAKEVILLE, CONNECTICUT 06069

APPLICANT: ALLIED ENGINEERING ASSOC., INC. 95 MAIN STREET, 3RD FLOOR NORTH CANAN, CONNECTICUT 06018 860-824-1400

ZONED: LA

LOT AREA: 6.07 ACRES



1. EXCAVATE 6"x6" TRENCH ON THE UPSLOPE SIDE OF THE FENCE LOCATION.
2. DRIVE SUPPORT POSTS ON THE DOWN SLOPE SIDE OF THE TRENCH TO A DEPTH OF AT LEAST 12" INTO ORIGINAL GROUND.
3. ANGLE POSTS TO DEGREES UPHILL TO OVER COMPENSATE FOR ANY SAGGING IN FENCE DUE TO PRESSURE FROM BUILT UP SEDIMENT.
4. STAPLE OR SECURE GEOTEXTILE TO THE POSTS PER MANUFACTURER'S RECOMMENDATIONS SUCH THAT 6" OF FABRIC LIES IN THE TRENCH.
5. BACKFILL THE TRENCH WITH THE EXCAVATED TRENCH MATERIAL OVER THE FABRIC. TAMP TO COMPACT THE SOIL.

GEOTEXTILE SILT FENCE DETAIL

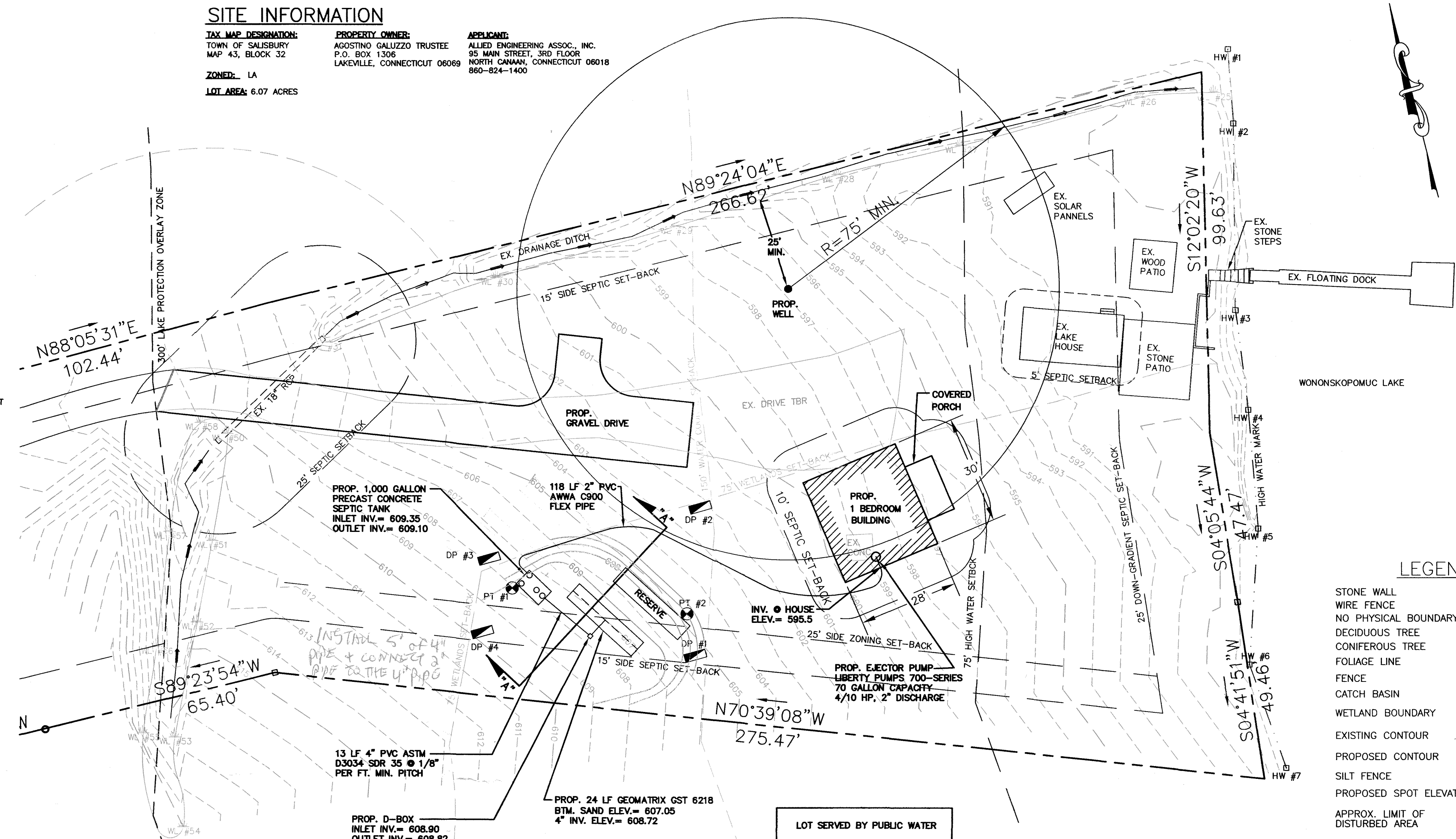
SOIL TEST DATA

DATE OF TESTING: 11/22/24

DP #1	0'-8" TOPSOIL & FOREST LITTER 8"-22" YELLOW BROWN FINE SILTY SANDY LOAM 22"-81" OLIVE BROWN FINE SILTY SANDY LOAM COMPACT MOTTLING @ 22" ROOTS TO 22" NO WATER NO LEDGE
DP #2	0'-8" TOPSOIL & FOREST LITTER 8"-28" YELLOW BROWN 28"-77" OLIVE BROWN MOTTLING @ 28" ROOTS TO 26" NO WATER NO LEDGE
DP #3	0'-8" TOPSOIL & FOREST LITTER 8"-21" YELLOW BROWN FINE SILTY SANDY LOAM 21"-75" OLIVE BROWN MOTTLING @ 21" ROOTS TO 20" NO WATER NO LEDGE
DP #4	0'-9" TOPSOIL & FOREST LITTER 9"-22" YELLOW BROWN 22"-78" OLIVE BROWN MOTTLING @ 22" ROOTS TO 26" NO WATER NO LEDGE

DATE OF TESTING: 11/27/24

PT #1	DEPTH: 18" PRESOAKED @ 11:30 A.M. 2:20 5 3/4" 2:30 7 3/4" 2:40 8 7/8" 2:50 9 3/4" 3:00 10 3/8" 3:10 10 7/8" 3:20 11 1/4" PERC. RATE: 1 1/26.7 MIN.
PT #2	DEPTH: 18" PRESOAKED @ 11:35 A.M. 2:21 5 1/2" 2:31 9 3/8" 2:41 12" 2:51 13 1/2" 3:01 14 3/8" 3:11 15" 3:21 15 5/8" PERC. RATE: 1 1/16 MIN.

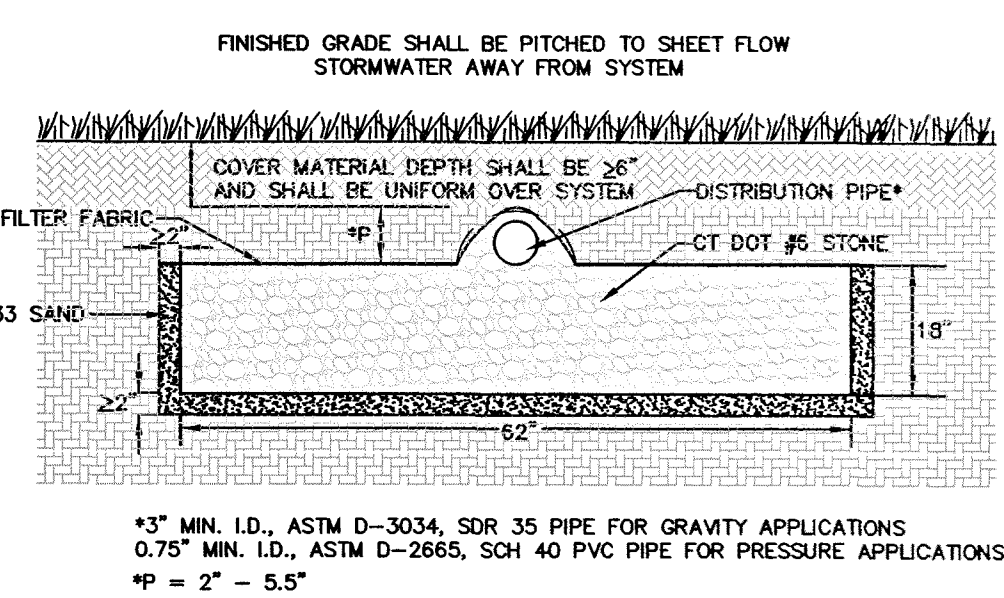


- LEGEND
- STONE WALL
  - WIRE FENCE
  - NO PHYSICAL BOUNDARY
  - DECIDUOUS TREE
  - CONIFEROUS TREE
  - FOLIAGE LINE
  - FENCE
  - CATCH BASIN
  - WETLAND BOUNDARY
  - EXISTING CONTOUR
  - PROPOSED CONTOUR
  - SILT FENCE
  - PROPOSED SPOT ELEVATION
  - APPROX. LIMIT OF DISTURBED AREA
  - TO BE REMOVED
  - EXISTING
  - GRADE TO DRAIN
  - OBSERVATION PIT and/or PERCOLATION HOLE.

DESIGN DATA

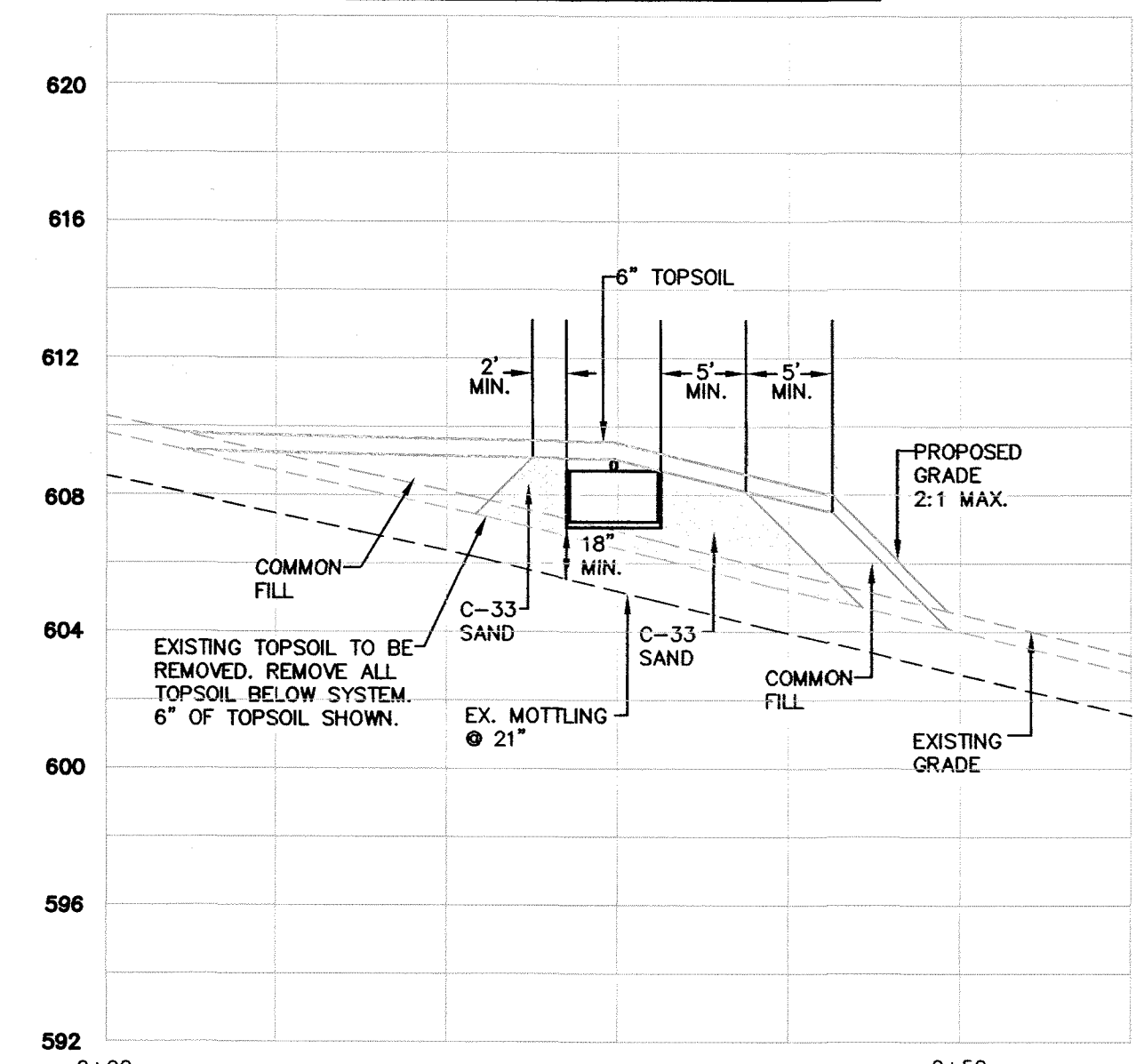
- |  |  |
|--|--|
| 1. NUMBER OF BEDROOMS                          | = 1 (150 GPD)  |
| 2. SEPTIC TANK SIZE REQUIRED AND PROVIDED      | = 1,000 GALLON   |
| 3. PERCOLATION RATE USED FOR DESIGN            | = 1" PER 20.1 TO 30 MINUTES                                |
| 4. EFFECTIVE LEACHING AREA REQUIRED            | = 282.5 SQ. FT.  |
| 5. LINEAR FEET OF GEOMATRIX GST 6218 REQUIRED. | = 282.5 SQ. FT. / 14 SQ. FT. PER LIN. FT. = 20.19 LIN. FT. |
| 6. LINEAR FEET OF GEOMATRIX GST 6218 PROVIDED. | = 24 LIN. FT.  |
| 7. MLSS = HF x FF x PF                         | = 28 x .5 x 1.5 = 21                                       |
| SLOPE = 12.01%                                 |  |
| RESTRICTIVE LAYER = 18"                        |  |

NOTE: IF A GARBAGE DISPOSAL OR HOT TUB IS TO BE INSTALLED IN THE PROPOSED HOUSE, IT IS RECOMMENDED THAT THE SEPTIC TANK SIZE BE INCREASED



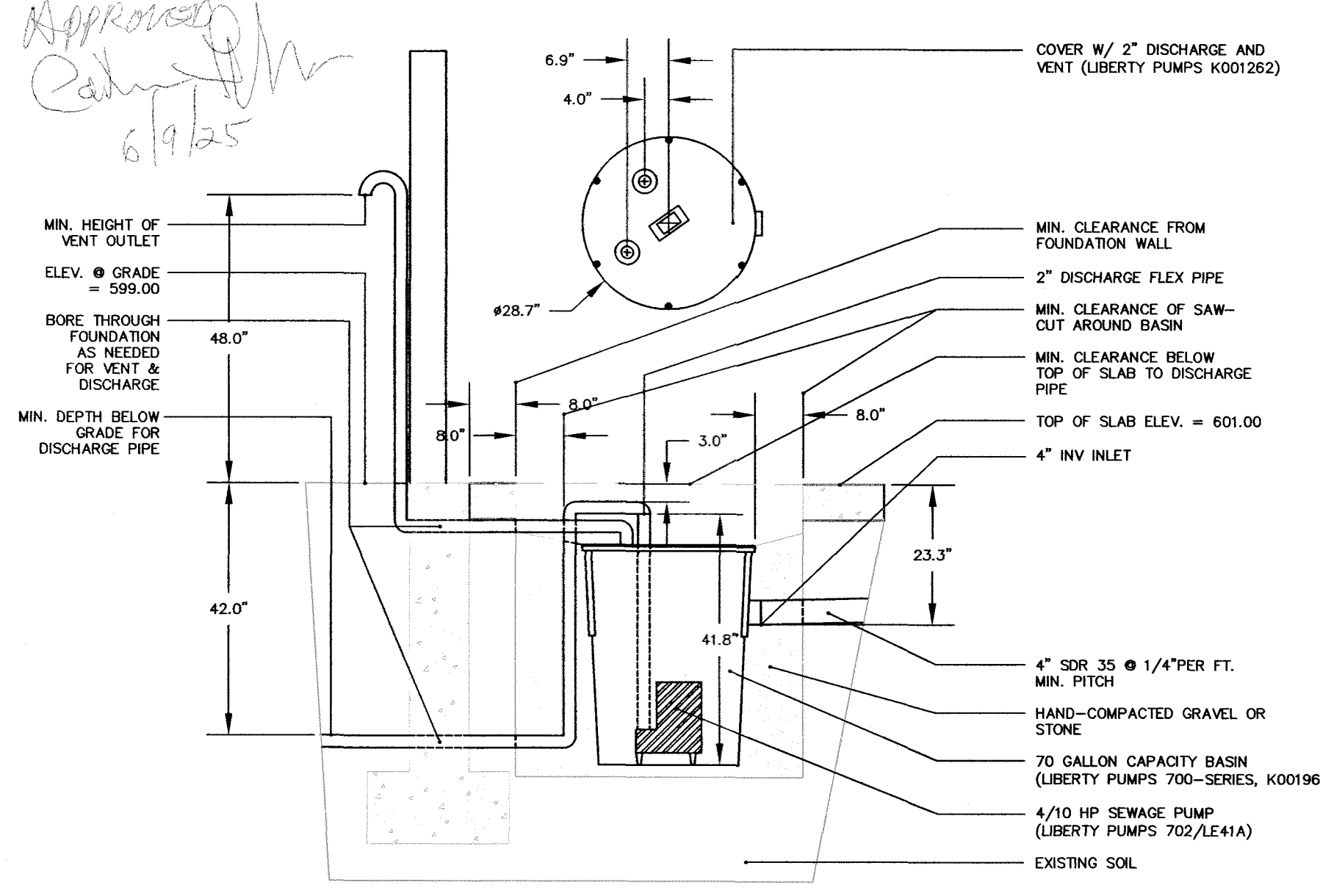
GEOMATRIX GST6218 LEACHING SYSTEM DETAIL  
B-B CROSS SECTION  
(NOT TO SCALE)

GEOMATRIX GST6218

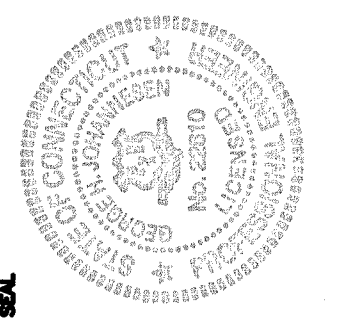


SECTION A-A

HORIZ. SCALE: 1"=10'  
VERT. SCALE: 1"=5'



700-SERIES PRE-ASSEMBLED SIMPLEX  
SEWAGE PUMP DETAIL  
(NOT TO SCALE)



Allied Engineering Assoc. Inc.  
95 Main St. 3rd Fl. East  
P.O. Box 720 North Canan, CT 06018  
860-824-1400  
860-824-1401 fax  
aea.george@gmail.com

PROPOSED SANITARY SEWAGE DISPOSAL  
SYSTEM DESIGN PLAN

PREPARED FOR:  
SUSAN GALLUZZO  
226 MILLERTON ROAD  
LAKEVILLE, CONNECTICUT

SCALE: 1"=20'

FILE NAME: 1103-SITE-9

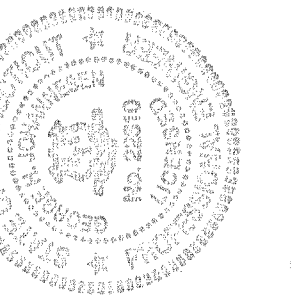
DATE: 1-21-2024

ISSUED FOR: PERMITTING

PROJECT NO. 1103

DRAWING NO. C-2





**AE**  
Allied Engineering Assoc. Inc.  
95 Main St. 3rd. Flr. East  
P.O. Box 726 North Canaan, Ct 06018  
860-824-1400 860-824-1401 fax  
aea.george@gmail.com

REVISIONS  
NUMBER - DESCRIPTION - DATE - INITIAL

# OVERALL SITE PLAN

PREPARED FOR:  
SUSAN GALLUZZO

226 MILLERTON ROAD  
LAKEVILLE, CONNECTICUT

SCALE: 1"=40'  
FILE NAME: 1103-SITE-9  
DATE: 1-21-2025  
ISSUED FOR: PERMITTING  
PROJECT NO. 1103  
DRAWING NO. C-1

