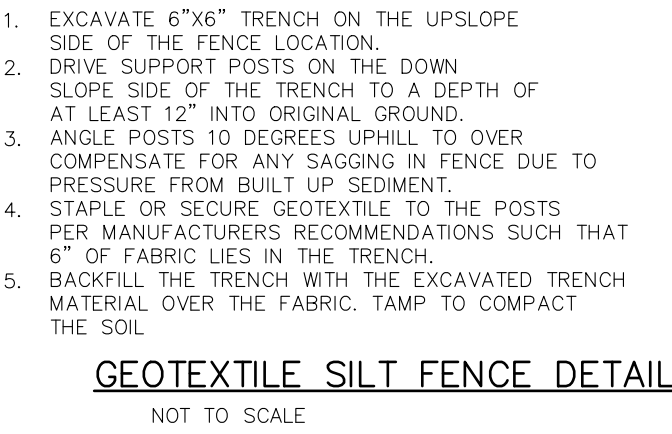


1. TOPOGRAPHY, PROPERTY LINES, DIMENSIONS AND MISCELLANEOUS INFORMATION TAKEN FROM

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.



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 LEUDGE

DP #2 0"-5" TOPSOIL & FOREST LITTER  
9"-28" YELLOW BROWN  
28"-77" OLIVE BROWN  
MOTTLING @ 28"  
ROOTS TO 26"  
NO WATER  
NO LEUDGE

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 LEUDGE

DP #4 0"-9" TOPSOIL & FOREST LITTER  
9"-22" YELLOW BROWN  
22"-76" OLIVE BROWN  
MOTTLING @ 22"  
ROOTS TO 26"  
NO WATER  
NO LEUDGE

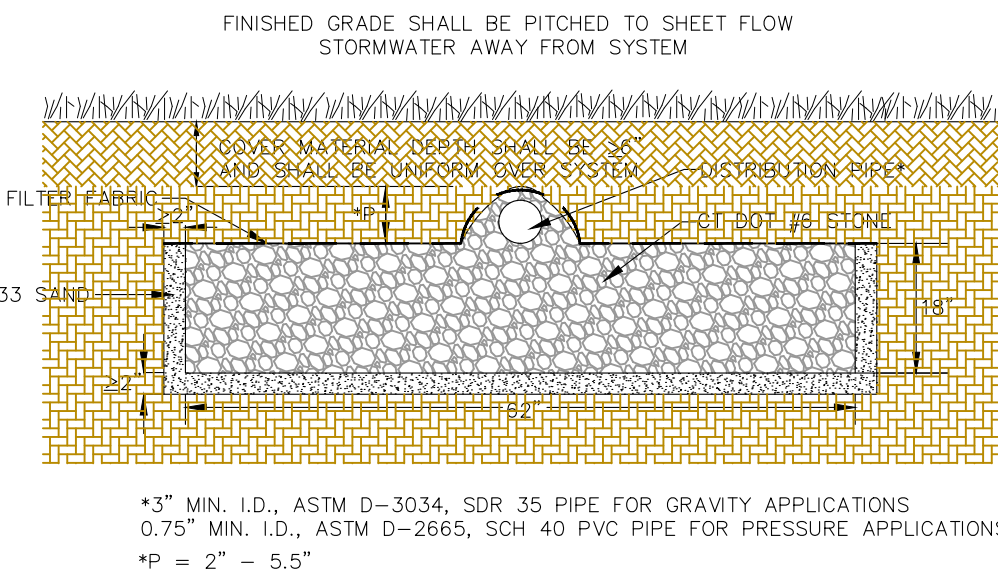
DATE OF TESTING: 11/27/24

|       |             |              |
|-------|-------------|--------------|
| PT #1 | DEPTH: 18"  |              |
|       | PRESOAKED @ | 11:30 A.M.   |
| 2:20  | 6"          |              |
| 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"/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"/16 MIN.

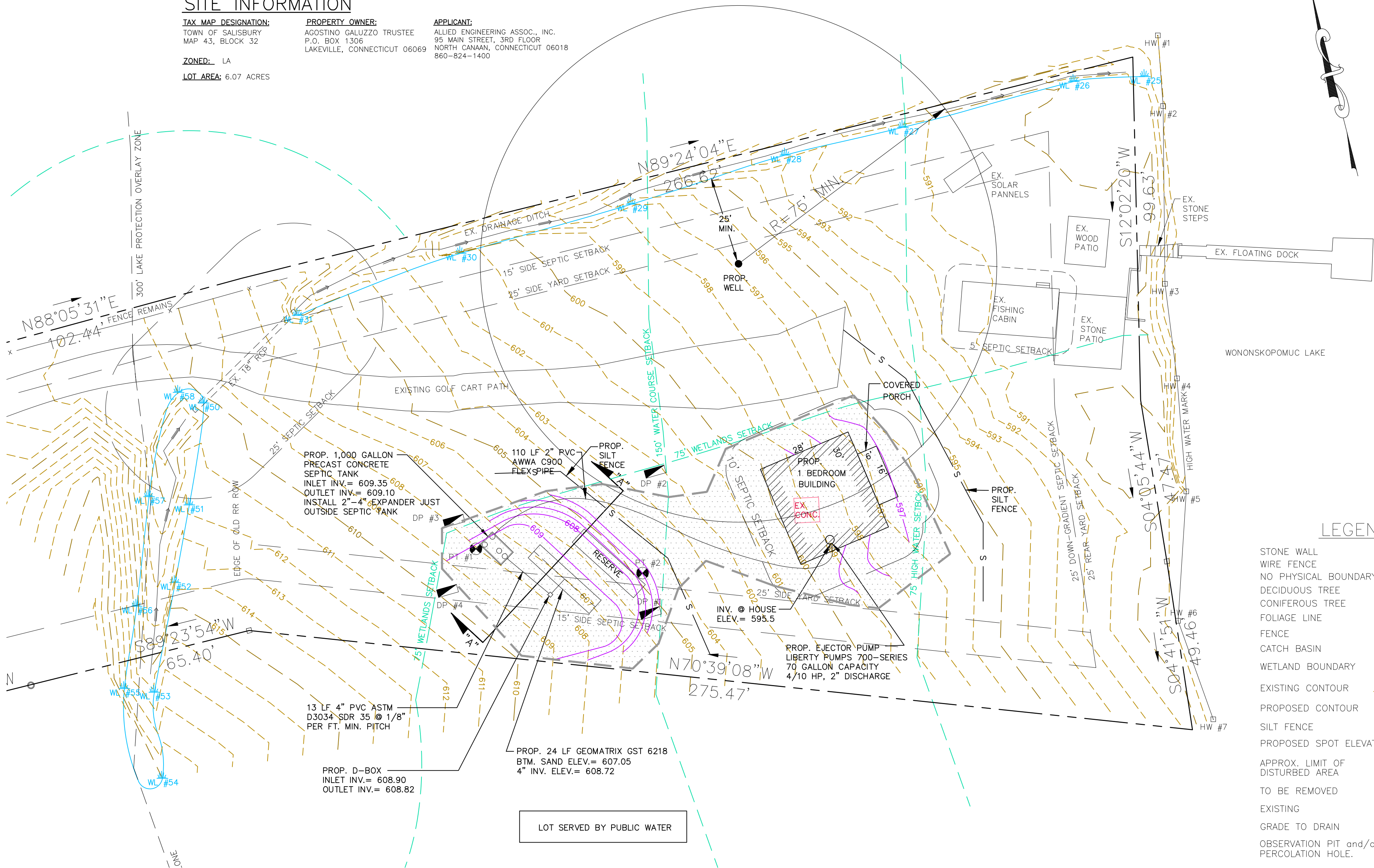
|    |                                                                  |   |                                                         |
|----|------------------------------------------------------------------|---|---------------------------------------------------------|
| 1. | NUMBER OF BEDROOMS                                               | = | 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<br>SLOPE = 12.01%<br>RESTRICTIVE LAYER = 18" | = | 28 x .5 x 1.5 = 21                                      |

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)

| <u>TAX MAP DESIGNATION:</u>           | <u>PROPERTY OWNER:</u>                                                    | <u>APPLICANT:</u>                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| TOWN OF SALISBURY<br>MAP 43, BLOCK 32 | AGOSTINO GALUZZO TRUSTEE<br>P.O. BOX 1306<br>LAKEVILLE, CONNECTICUT 06069 | ALLIED ENGINEERING ASSOC., INC.<br>95 MAIN STREET, 3RD FLOOR<br>NORTH CANAAN, CONNECTICUT 06018<br>860-824-1400 |
| <u>ZONED:</u> LA                      |                                                                           |                                                                                                                 |
| <u>LOT AREA:</u> 6.07 ACRES           |                                                                           |                                                                                                                 |



|                                         |               |
|-----------------------------------------|---------------|
| 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                           | <b>T.B.R.</b> |
| EXISTING                                | <b>EX.</b>    |
| GRADE TO DRAIN                          | <b>G.T.D.</b> |
| OBSERVATION PIT and/or PERCOLATION HOLE |               |

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<br>SIEVE SIZE | PERCENT PASSING |           | C 33<br>SIEVE SIZE | PERCENT<br>PASSING |
|---------------------------|-----------------|-----------|--------------------|--------------------|
|                           | WET SIEVE       | DRY SIEVE |                    |                    |
| #4                        | 100%            | 100%      | 0.375"             | 100%               |
| #10                       | 70–100%         | 70–100%   | #4                 | 95.0–100%          |
| #40                       | 10–50%          | 10–75%    | #8                 | 80.0–100.0%        |
| #100                      | 0–20%           | 0–5%      | #16                | 50.0–85.0%         |
| #200                      | 0–5%            | 0–2.5%    | #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.

The diagram shows a cross-section of a road or embankment. The vertical axis on the left has elevations from 592 to 620 in increments of 4. The horizontal axis at the bottom has stationing from 0+00 to 0+50. A dashed line represents the 'EXISTING GRADE'. A solid purple line represents the 'PROPOSED GRADE 2:1 MAX.'. The area between them is divided into layers: 'COMMON FILL' (top), 'C-33 SAND' (middle), and 'EX. MOTTLING @ 21"' (bottom). Dimensions include a '5" TOPSOIL' layer, a '2' MIN.' width, and a '5' MIN.' slope. A note states: 'EXISTING TOPSOIL TO BE REMOVED. REMOVE ALL TOPSOIL BELOW SYSTEM. 6" OF TOPSOIL SHOWN.'

### SECTION A-A

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

COVER W/ 2" DISCHARGE AND VENT (LIBERTY PUMPS K001262)

MIN. HEIGHT OF VENT OUTLET  
ELEV. @ GRADE = 599.00

BORE THROUGH FOUNDATION AS NEEDED FOR VENT & DISCHARGE

MIN. CLEARANCE FROM FOUNDATION WALL  
2" DISCHARGE FLEX PIPE  
MIN. CLEARANCE OF SAW-CUT AROUND BASIN  
MIN. CLEARANCE BELOW TOP OF SLAB TO DISCHARGE PIPE

TOP OF SLAB ELEV. = 601.00  
4" INV INLET

41.8"

4" SDR 35 @ 1/4" PER FT. MIN. PITCH

HAND-COMPACTED GRAVEL OR STONE

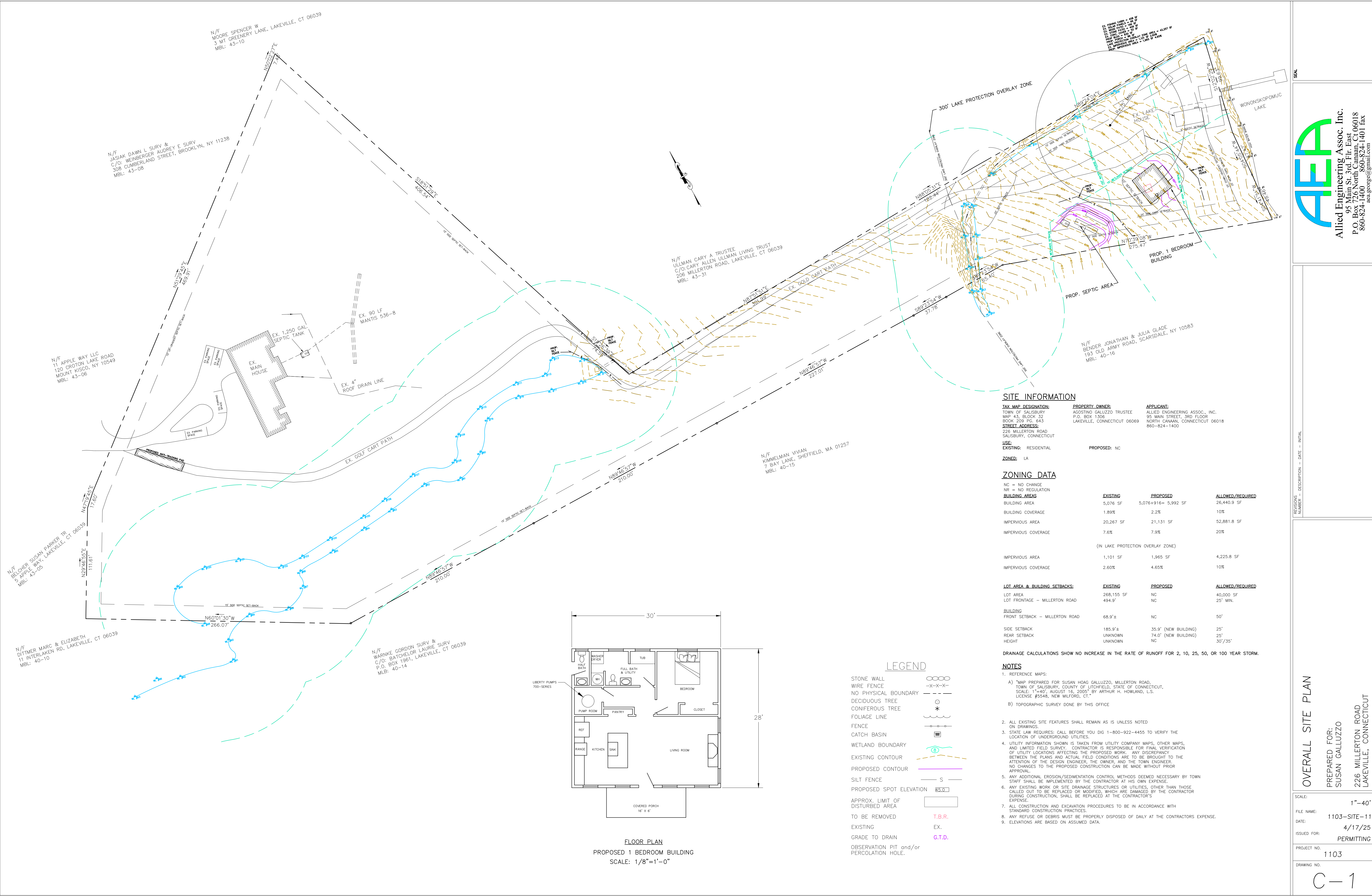
70 GALLON CAPACITY BASIN (LIBERTY PUMPS 700-SERIES, K001964)

4/10 HP SEWAGE PUMP (LIBERTY PUMPS 702/LE41A)

EXISTING SOIL

6.9"  
4.0"  
8.0"  
8.0"  
3.0"  
8.0"  
23.3"  
42.0"

Ø28.7"



**AEA**  
Allied Engineering Assoc. Inc.  
95 Main St. 3rd Fl. East  
P.O. Box 720  
Lakeville, CT 06038  
860-824-1400 860-824-1401 fax  
aea.george@gmail.com

**SITE INFORMATION**

|                                                                                                                                                                    |                                                                                                                 |                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>TAX MAP DESIGNATION:</b><br>TOWN OF SALISBURY<br>MAP 43, BLOCK 32<br>BOOK 209 PG. 643<br><b>STREET ADDRESS:</b><br>228 MILLERTON ROAD<br>SALISBURY, CONNECTICUT | <b>PROPERTY OWNER:</b><br>ACOSTINO GALUZZO TRUSTEE<br>95 MAIN STREET, 3RD FLOOR<br>LAKEVILLE, CONNECTICUT 06069 | <b>APPLICANT:</b><br>ALLIED ENGINEERING ASSOC., INC.<br>95 MAIN STREET, 3RD FLOOR<br>NORTH CANAAN, CONNECTICUT 06018<br>860-824-1400 |
| <b>USE:</b><br>EXISTING: RESIDENTIAL<br><b>ZONED:</b> LA                                                                                                           | <b>PROPOSED:</b> NC                                                                                             |                                                                                                                                      |

**ZONING DATA**

|                                          |                 |                      |                         |
|------------------------------------------|-----------------|----------------------|-------------------------|
| NC = NO CHANGE<br>NR = NO REGULATION     |                 |                      |                         |
| <b>BUILDING AREAS</b>                    | <b>EXISTING</b> | <b>PROPOSED</b>      | <b>ALLOWED/REQUIRED</b> |
| BUILDING AREA                            | 5,076 SF        | 5,076+916= 5,992 SF  | 26,440.9 SF             |
| BUILDING COVERAGE                        | 1.89%           | 2.2%                 | 10%                     |
| IMPERVIOUS AREA                          | 20,267 SF       | 21,131 SF            | 52,881.8 SF             |
| IMPERVIOUS COVERAGE                      | 7.6%            | 7.9%                 | 20%                     |
| (IN LAKE PROTECTION OVERLAY ZONE)        |                 |                      |                         |
| IMPERVIOUS AREA                          | 1,101 SF        | 1,965 SF             | 4,225.8 SF              |
| IMPERVIOUS COVERAGE                      | 2.60%           | 4.65%                | 10%                     |
| <b>LOT AREA &amp; BUILDING SETBACKS:</b> | <b>EXISTING</b> | <b>PROPOSED</b>      | <b>ALLOWED/REQUIRED</b> |
| LOT AREA                                 | 268,155 SF      | NC                   | 40,000 SF               |
| LOT FRONTAGE - MILLERTON ROAD            | 494.9'          | NC                   | 25' MIN.                |
| <b>BUILDING</b>                          |                 |                      |                         |
| FRONT SETBACK - MILLERTON ROAD           | 68.9'±          | NC                   | 50'                     |
| SIDE SETBACK                             | 185.9'±         | 35.9' (NEW BUILDING) | 25'                     |
| REAR SETBACK                             | UNKNOWN         | 74.0' (NEW BUILDING) | 25'                     |
| HEIGHT                                   | UNKNOWN         | NC                   | 30'/35'                 |

DRAINAGE CALCULATIONS SHOW NO INCREASE IN THE RATE OF RUNOFF FOR 2, 10, 25, 50, OR 100 YEAR STORM.

**NOTES**

- REFERENCE MAPS:  
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
- ALL EXISTING SITE FEATURES SHALL REMAIN AS IS UNLESS NOTED ON DRAWINGS.
- STATE LAW REQUIRES: CALL BEFORE YOU DIG 1-800-922-4455 TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES.
- UTILITY INFORMATION SHOWN IS TAKEN FROM UTILITY COMPANY MAPS, OTHER MAPS, AND LIMITED FIELD SURVEY. CONTRACTOR IS RESPONSIBLE FOR FINAL VERIFICATION OF UTILITY LOCATIONS AFFECTING THE PROPOSED WORK. ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER, THE OWNER, AND THE TOWN ENGINEER. NO CHANGES TO THE PROPOSED CONSTRUCTION CAN BE MADE WITHOUT PRIOR APPROVAL.
- ANY ADDITIONAL EROSION/SEDIMENTATION CONTROL METHODS DEEMED NECESSARY BY TOWN STAFF SHALL BE IMPLEMENTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ANY EXISTING WORK OR SITE DRAINAGE STRUCTURES OR UTILITIES, OTHER THAN THOSE CALLED OUT TO BE REPLACED OR MODIFIED, WHICH ARE DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL CONSTRUCTION AND EXCAVATION PROCEDURES TO BE IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICES.
- ANY REFUSE OR DEBRIS MUST BE PROPERLY DISPOSED OF DAILY AT THE CONTRACTOR'S EXPENSE.
- ELEVATIONS ARE BASED ON ASSUMED DATA.

**FLOOR PLAN**  
PROPOSED 1 BEDROOM BUILDING  
SCALE: 1/8"=1'-0"

**OVERALL SITE PLAN**

PREPARED FOR:  
SUSAN GALLUZZO  
228 MILLERTON ROAD  
LAKEVILLE, CONNECTICUT

SCALE: 1"=40'

FILE NAME: 1103-SITE-11

DATE: 4/17/25

ISSUED FOR: PERMITTING

PROJECT NO. 1103

DRAWING NO. C-1