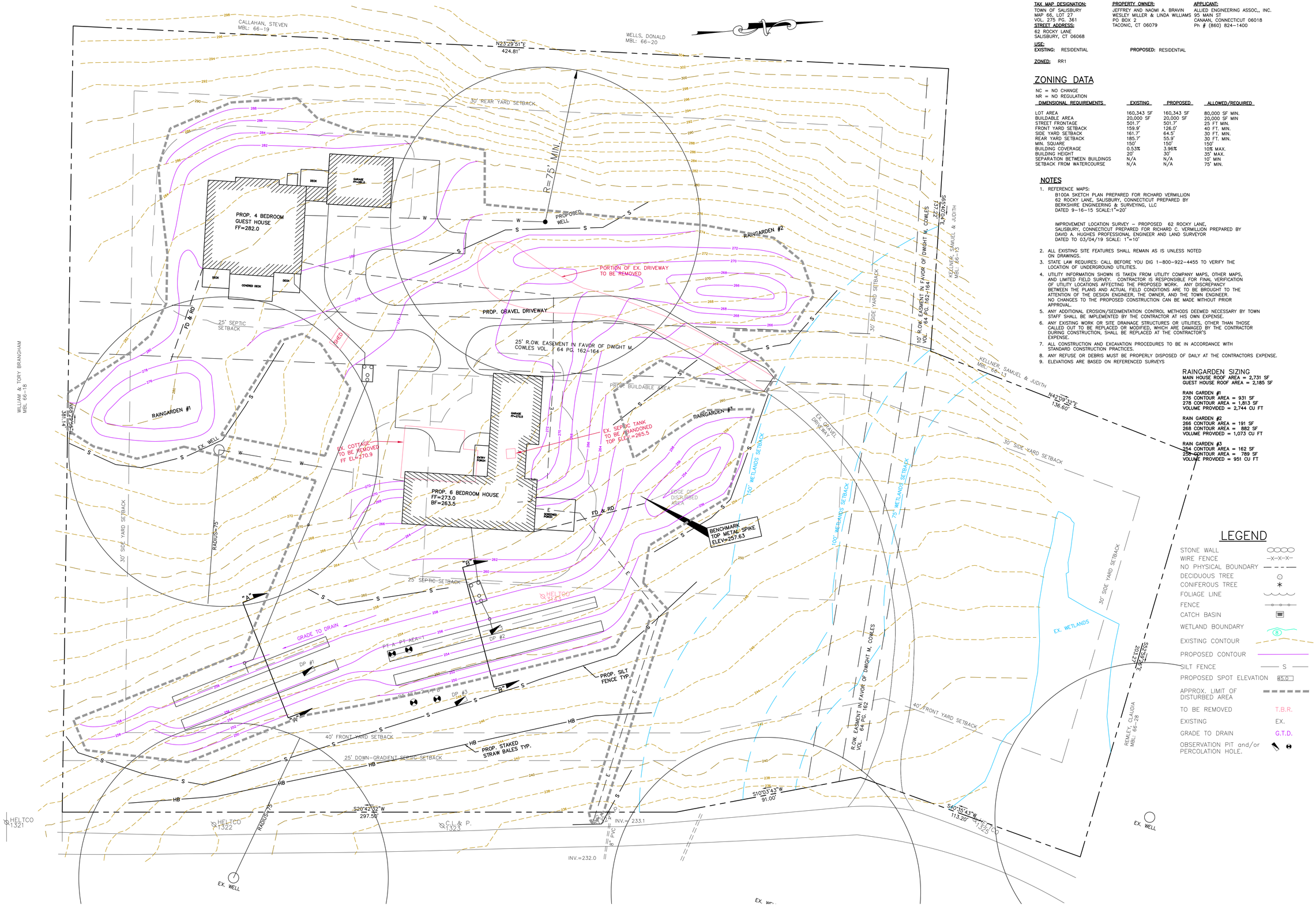

SITE INFORMATION

TAX MAP DESIGNATION:
TOWN OF SALISBURY
MAP 66, LOT 27
VOL. 275 PG. 361
STREET ADDRESS:
62 ROCKY LANE
SALISBURY, CT 06068

PROPERTY OWNER:
JEFFREY AND NAOMI A. BRAVIN
WESLEY MILLER & LINDA WILLIAMS
PO BOX 2
TACONIC, CT 06079

APPLICANT:
ALLIED ENGINEERING ASSOC,, INC.
95 MAIN ST
CANAAN, CONNECTICUT 06018
Ph # (860) 824-1400

USE:
EXISTING: RESIDENTIAL **PROPOSED:** RESIDENTIAL

ZONED: RR1

ZONING DATA

NC = NO CHANGE
NR = NO REGULATION

DIMENSIONAL REQUIREMENTS	EXISTING	PROPOSED	ALLOWED/REQUIRED
LOT AREA	160,343 SF	160,343 SF	80,000 SF MIN.
BUILDABLE AREA	20,000 SF	20,000 SF	20,000 SF MIN
STREET FRONTAGE	501.7'	501.7'	25 FT MIN.
FRONT YARD SETBACK	159.9'	126.0'	40 FT. MIN.
SIDE YARD SETBACK	161.7'	64.5'	30 FT. MIN.
REAR YARD SETBACK	185.7'	55.9'	30 FT. MIN.
MIN. SQUARE	150'	150'	150'
BUILDING COVERAGE	0.53%	3.96%	10% MAX.
BUILDING HEIGHT	20'	30'	35' MAX.
SEPARATION BETWEEN BUILDINGS	N/A	N/A	10' MIN
SETBACK FROM WATERCOURSE	N/A	N/A	75' MIN.

NOTES

1. REFERENCE MAPS:
   B100A SKETCH PLAN PREPARED FOR RICHARD VERMILLION
   62 ROCKY LANE, SALISBURY, CONNECTICUT PREPARED BY
   BERKSHIRE ENGINEERING & SURVEYING, LLC
   DATED 9-16-15 SCALE:1"=20'

   IMPROVEMENT LOCATION SURVEY - PROPOSED 62 ROCKY LANE,
   SALISBURY, CONNECTICUT PREPARED FOR RICHARD C. VERMILLION PREPARED BY
   DAVID A. HUGHES PROFESSIONAL ENGINEER AND LAND SURVEYOR
   DATED TO 03/04/19 SCALE: 1"=10'
2. ALL EXISTING SITE FEATURES SHALL REMAIN AS IS UNLESS NOTED ON DRAWINGS.
3. STATE LAW REQUIRES: CALL BEFORE YOU DIG 1-800-922-4455 TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES.
4. 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.
5. ANY ADDITIONAL EROSION/SEDIMENTATION CONTROL METHODS DEEMED NECESSARY BY TOWN STAFF SHALL BE IMPLEMENTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
6. 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.
7. ALL CONSTRUCTION AND EXCAVATION PROCEDURES TO BE IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICES.
8. ANY REFUSE OR DEBRIS MUST BE PROPERLY DISPOSED OF DAILY AT THE CONTRACTORS EXPENSE.
9. ELEVATIONS ARE BASED ON REFERENCED SURVEYS

RAINGARDEN SIZING

MAIN HOUSE ROOF AREA = 2,731 SF
GUEST HOUSE ROOF AREA = 2,185 SF

RAIN GARDEN #1
278 CONTOUR AREA = 931 SF
278 CONTOUR AREA = 1,813 SF
VOLUME PROVIDED = 2,744 CU FT

RAIN GARDEN #2
266 CONTOUR AREA = 191 SF
268 CONTOUR AREA = 882 SF
VOLUME PROVIDED = 1,073 CU FT

RAIN GARDEN #3
254 CONTOUR AREA = 162 SF
256 CONTOUR AREA = 789 SF
VOLUME PROVIDED = 951 CU FT

LEGEND

STONE WALL	
WIRE FENCE	-X-X-X-
NO PHYSICAL BOUNDARY	
DECIDUOUS TREE	
CONIFEROUS TREE	
FOLIAGE LINE	
FENCE	
CATCH BASIN	
WETLAND BOUNDARY	
EXISTING CONTOUR	
PROPOSED CONTOUR	
SILT FENCE	S
PROPOSED SPOT ELEVATION	45.0
APPROX. LIMIT OF DISTURBED AREA	
TO BE REMOVED	T.B.R.
EXISTING	EX.
GRADE TO DRAIN	G.T.D.
OBSERVATION PIT and/or PERCOLATION HOLE.	

SEAL

Allied Engineering Assoc. Inc.
95 Main St. 3rd. Flr. East
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860-824-1400 860-824-1401 fax
aea.engineers@gmail.com

REVISIONS NUMBER	DESCRIPTION - DATE - INITIAL
1.	- MOVED MAIN HOUSE 25' NORTH - 7/01/26 - GHJ
2.	- REV. PER TAHD - 7/17/26 - GHJ
3.	- REV. RAIN GARDENS - 8/14/26 - GHJ

PROPOSED OVERALL SITE PLAN

PREPARED FOR
JEFF BRAVIN

62 ROCKY LANE
SALISBURY, CONNECTICUT

SCALE:	1"=20'
FILE NAME:	1127-SITE-17
DATE:	5/26/26
ISSUED FOR:	PERMITTING
PROJECT NO.	1127
DRAWING NO.	C-1

R:\draw\1121-1130\1127\1127-SITE-17.dwg, 8/14/2026 10:22:33 AM, 1:20

SITE INFORMATION

TAX MAP DESIGNATION:
TOWN OF SALISBURY
MAP 5-3, BLOCK 82, LOT 10
VOL. 53 PG. 224

STREET ADDRESS:
62 ROCKY LANE
SALISBURY, CT 06068

USE:
EXISTING: RESIDENTIAL **PROPOSED:** RESIDENTIAL

ZONED: RR1

PROPERTY OWNER:
JEFFREY AND NAOMI BRAVIN
PO BOX 2
TACONIC, CT 06079

APPLICANT:
TACALA NORTH, INC.
99 RAINBOW ROAD
EAST GRANBY, CONNECTICUT 06026
Ph # (860) 653-2810

GENERAL NOTES

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

   A. "IMPROVEMENT LOCATION SURVEY-PROPOSED, 62 ROCKY LANE, SALISBURY, CT, PREPARED FOR MR. RICHARD VERMILLION, III" DATE 02/18/19 SCALE: 1"=30', BY DAVID A. HUGHES PROFESSIONAL ENGINEER & LAND SURVEYOR

   B. "B100a SKETCH PLAN PREPARED FOR RICHARD VERMILLION, 62 ROCKY LANE, SALISBURY, CONNECTICUT" DATE 9-15-15, SCALE: 1"=20', BY BERKSHIRE ENGINEERING & SURVEYING, LLC.

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 TANKS SHALL BE WATER TIGHT 1,500 GALLON AND 1,250 GALLON PRECAST CONCRETE, 2 COMPARTMENT TANKS OR LARGER. TANK SHALL BE PLACED LEVEL. TANK COVERS SHALL BE PLACARDED 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 (SIM/TECH STF-N24) IS REQUIRED INSIDE OF EACH TANK COVER. PROVIDE H-20 LOADING IF USED UNDER DRIVEWAY OR PARKING AREA. TANKS SHALL HAVE AN APPROVED NON-BYPASS EFFLUENT FILTER AT THE OUTLET. THE SEPTIC TANKS 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. 6 BEDROOM SYSTEM
   THE SANITARY SEWAGE DISPOSAL SYSTEM CONSISTS OF 1 ROW GEOMATRIX GST 6212 FOR A TOTAL LENGTH OF 104 LF. 104 LF X 10 SF/LF=1,040 SF EFFECTIVE AREA PROVIDED. A 6 BEDROOM HOUSE REQUIRES 1,012.5 SF MIN LEACHING AREA.

   4 BEDROOM SYSTEM
   THE SANITARY SEWAGE DISPOSAL SYSTEM CONSISTS OF 1 ROW GEOMATRIX GST 6212 FOR A TOTAL LENGTH OF 80 LF. 80 LF X 10 SF/LF=800 SF EFFECTIVE AREA PROVIDED. A 4 BEDROOM HOUSE REQUIRES 787.5 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."

LEGEND

STONE WALL	
WIRE FENCE	-X-X-X-
NO PHYSICAL BOUNDARY	
DECIDUOUS TREE	
CONIFEROUS TREE	
FOLIAGE LINE	
FENCE	
CATCH BASIN	
WETLAND BOUNDARY	
EXISTING CONTOUR	8
PROPOSED CONTOUR	
SILT FENCE	S
PROPOSED SPOT ELEVATION	85.0
APPROX. LIMIT OF DISTURBED AREA	
TO BE REMOVED	T.B.R.
EXISTING	EX.
GRADE TO DRAIN	G.T.D.
OBSERVATION PIT and/or PERCOLATION HOLE.	

SEAL

Allied Engineering Assoc. Inc.
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P.O. Box 726 North Canaan, CT 06018
860-824-4400 860-824-1401 fax
aeagroup@gmail.com

REVISIONS NUMBER	DESCRIPTION - DATE - INITIAL
1.	REV. HOUSE LAYOUTS - 5/26/26 - GHJ
2.	MOVED MAIN HOUSE 25' NORTH - 7/01/26 - GHJ
3.	REV. PER TAHD COMMENTS - 7/17/2026 - NAC
4.	REV. RAIN GARDENS - 8/14/26 - GHJ

PROPOSED SANITARY SEWAGE DISPOSAL SYSTEM DESIGN PLAN

PREPARED FOR:
JEFF BRAVIN

62 ROCKY LANE
SALISBURY, CONNECTICUT

SCALE: 1"=20'
FILE NAME: 1127-SITE-17
DATE: 4/29/2026
ISSUED FOR: PERMITTING
PROJECT NO. 1127
DRAWING NO. C-2

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SOIL TEST DATA

DATE OF TESTING: 10-3-2012
TESTED BY: BERKSHIRE ENGINEERING AND SURVEYING LLC

DP #1
0"-4" TOPSOIL
4"-21" ORANGE BROWN FRIABLE SANDY LOAM
21"-76" GRAY COMPACT SANDY LOAM
MOTTLING @21"
NO WATER
NO LEDGE

DP #2
0"-9" TOPSOIL
9"-30" BROWN FRIABLE SANDY LOAM
30"-65" GREY COMPACT SANDY LOAM
MOTTLING @30"
ROOTS TO 36"
NO WATER
NO LEDGE

DP #3
0"-9" TOPSOIL
9"-19" BROWN FRIABLE SANDY LOAM
19"-48" GREY COMPACT SANDY LOAM
MOTTLING @19"
NO WATER
NO LEDGE

PT A
DEPTH: 18"
PRESOAKED --2HRS
00 8"
15 12.125"
30 14.75"
45 16.375"
60 17.5"
PERC. RATE: 13 MIN/1"

PT B
DEPTH: 18"
PRESOAKED --2HRS
00 7.75"
15 10.75"
30 12.625"
45 14.25"
60 15.375"
PERC. RATE: 13 MIN/1"

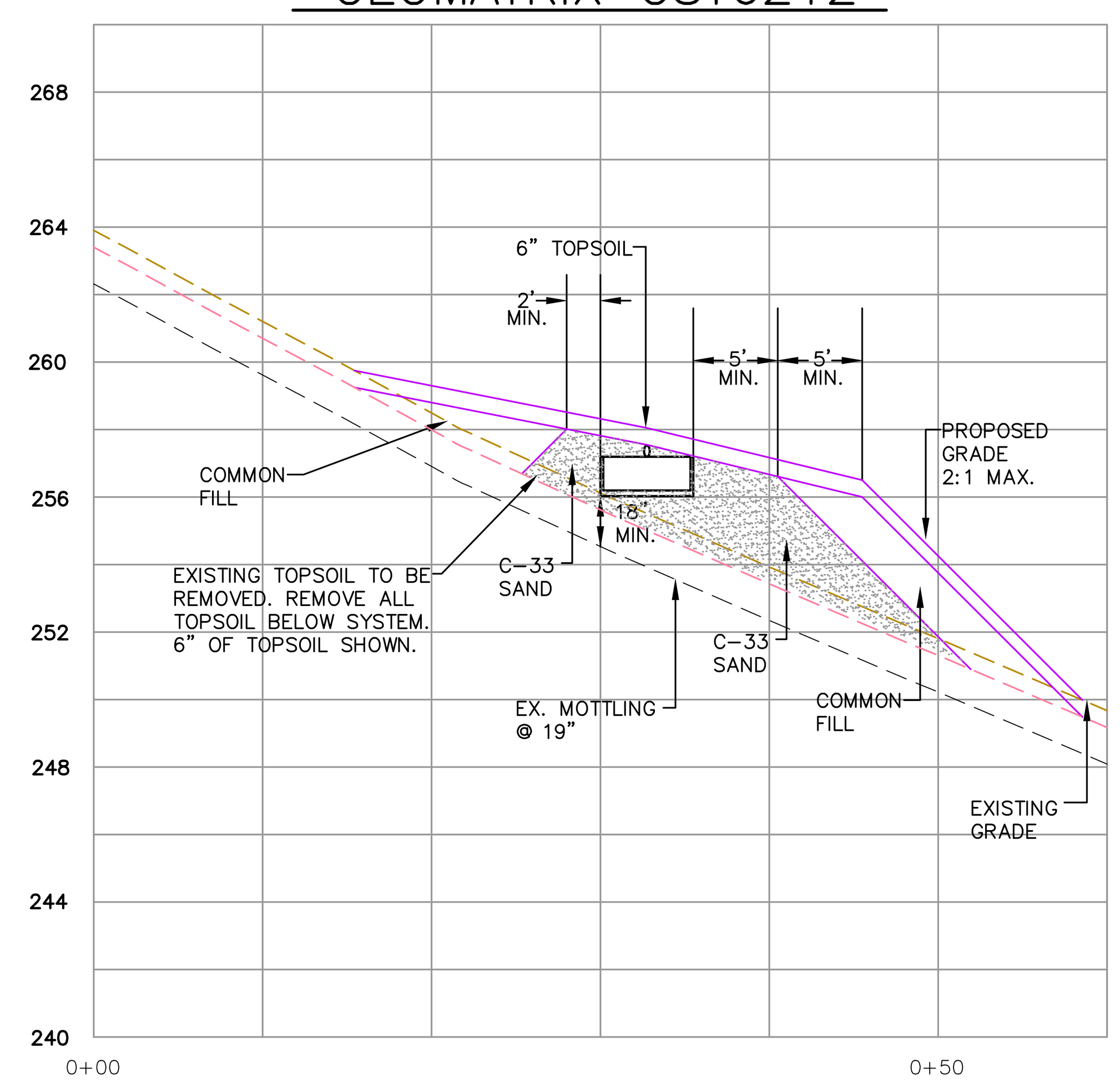
PERC TESTING DONE BY ALLIED ENGINEERING ASSOC., INC..

DATE OF TESTING: 4/28/2026

PT AEA-1
DEPTH: 18"
PRESOAKED 1:45 PM
3:31 5 1/16"
3:41 8 7/16"
3:51 11"
4:01 12 15/16"
4:11 14 7/16"
4:21 15 3/4"
4:31 16 3/4"
PERC RATE: 1"/10 MIN.

PT AEA-2
DEPTH: 18"
PRESOAKED 1:50 PM
3:33 5 1/8"
3:38 8 7/16"
3:43 10 5/8"
3:48 12 1/4"
3:53 13 9/16"
3:58 14 5/16
4:03 15 5/8"
4:08 16 1/2"
4:13 17 3/16"
4:18 17 3/4"
4:23 18 3/16"
4:28 18 5/8" DRY
PERC RATE: 1"/11.43 MIN.

GEOMATRIX GST6212



SECTION A-A

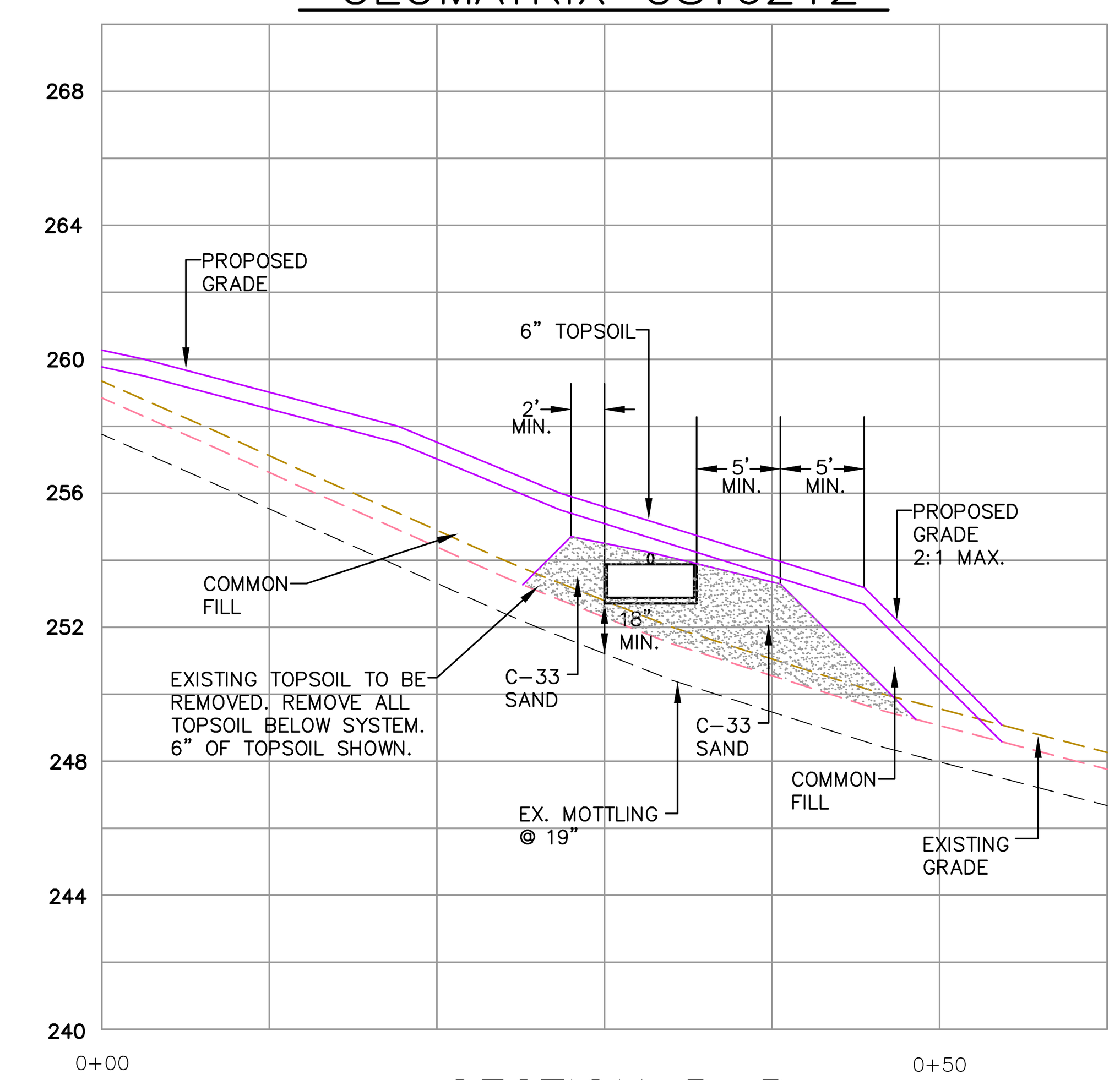
HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'

DESIGN DATA

1. NUMBER OF BEDROOMS = 4 (525 GPD)
2. SEPTIC TANK SIZE REQUIRED AND PROVIDED = 1,125 GAL. REQUIRED; 1,250 GAL. PROVIDED
3. PERCOLATION RATE USED FOR DESIGN = 1" PER 10.1-20.0 MIN
4. EFFECTIVE LEACHING AREA REQUIRED = 787.5 SQ. FT.
5. LINEAR FEET OF GEOMATRIX GST 6212 REQUIRED. = 787.5 SQ. FT./ 10 SQ. FT. PER LIN. FT. = 78.75 LIN. FT.
6. LINEAR FEET OF GEOMATRIX GST 6212 PROVIDED. = 80 LIN. FT.
7. MLSS = HF x FF x PF = 26 x 1.75 x 1.25 = 56.875
   SLOPE = 23.24%
   RESTRICTIVE LAYER = MOTTLING AT 19"

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 GST6212



SECTION B-B

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

DESIGN DATA

1. NUMBER OF BEDROOMS = 6 (675 GPD)
2. SEPTIC TANK SIZE REQUIRED AND PROVIDED = 1,375 GAL. REQUIRED; 1,500 GAL. PROVIDED
3. PERCOLATION RATE USED FOR DESIGN = 1" PER 10.1-20 MIN
4. EFFECTIVE LEACHING AREA REQUIRED = 1,012.5 SQ. FT.
5. LINEAR FEET OF GEOMATRIX GST 6212 REQUIRED. = 1012.5 SQ. FT./ 10 SQ. FT. PER LIN. FT. = 101.25 LIN. FT.
6. LINEAR FEET OF GEOMATRIX GST 6212 PROVIDED. = 104 LIN. FT.
7. MLSS = HF x FF x PF = 26 x 2.25 x 1.25 = 73.125
   SLOPE = 17.65%
   RESTRICTIVE LAYER = MOTTLING AT 19"

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

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	PERCENT PASSING	
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%

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%

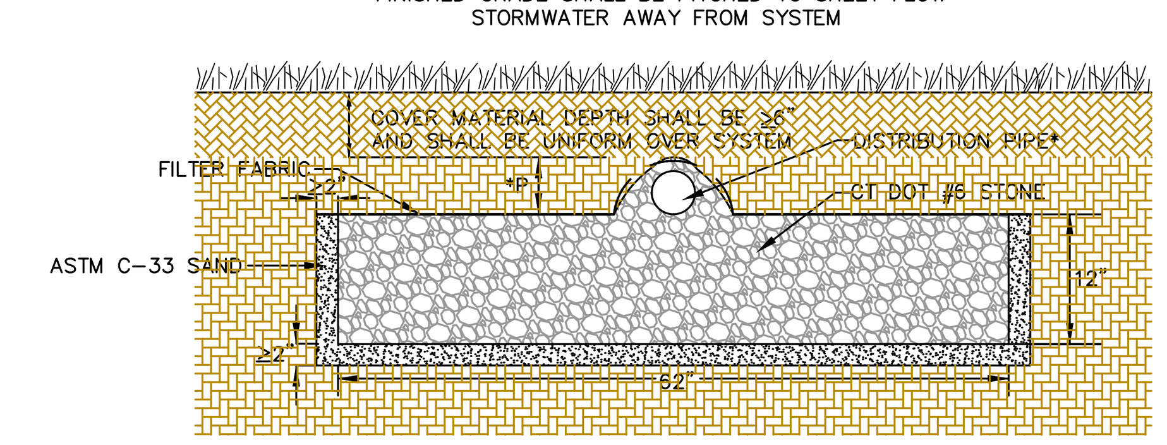
*PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%. IF THE FILL FAILS THE DRY SIEVE BUT PASSES THE WET SIEVE, THEN THE FILL SHALL BE APPROVED.

BOUYANCY CALCULATIONS

1,500 GALLON SEPTIC TANK
5.67' x 10.5' x 5.33' = 317.33 CF TANK VOL. x 62.4 LBS/CF = 19,801.40 LBS UPLIFT
5.67 x 10.5' x 2.75' = 163.72 CF SOIL x 120 LBS/CF = 19,646.40 LB
TANK WEIGHT = 11,300 LBS + 19,646.40 LB SOIL = 30,946.40 LBS RESISTING UPLIFT

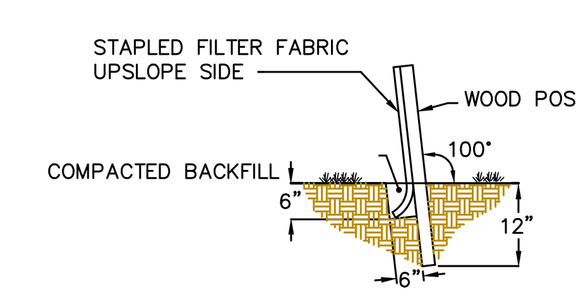
1,250 GALLON SEPTIC TANK
5.33' x 8.17' x 5.75' = 250.39 CF TANK VOL. x 62.4 LBS/CF = 15,624.34 LBS UPLIFT
5.33 x 8.17' x 1.25' = 54.43 CF SOIL x 120 LBS/CF = 6,531.6 LB
TANK WEIGHT = 9,650 LBS + 6,531.6 LB SOIL = 16,181.6 LBS RESISTING UPLIFT

FINISHED GRADE SHALL BE PITCHED TO SHEET FLOW STORMWATER AWAY FROM SYSTEM



*3" MIN. I.D., ASTM D-3034, SDR 35 PIPE FOR GRAVITY APPLICATIONS
0.75" MIN. I.D., ASTM D-2665, SCH 40 PVC PIPE FOR PRESSURE APPLICATIONS
*P = 2" - 5.5"

GEOMATRIX GST6212 LEACHING SYSTEM DETAIL
B-B CROSS SECTION
(NOT TO SCALE)



SILT FENCE DETAIL

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 10 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 MANUFACTURERS 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
NOT TO SCALE

SEAL

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
1. - REV. HOUSE LAYOUTS - 5/26/26 - GHJ
2. - MOVED MAIN HOUSE 25' NORTH - 7/01/26 - GHJ
3. - REV. PER TAHD COMMENTS - 7/17/2026 - NAC

PROPOSED SANITARY SEWAGE DISPOSAL SYSTEM DESIGN DATA
PREPARED FOR:
JEFF BRAVIN

62 ROCKY LANE
SALISBURY, CONNECTICUT

SCALE: 1"=20'
FILE NAME: 1127-SITE-16
DATE: 4/29/2026
ISSUED FOR: PERMITTING
PROJECT NO. 1127
DRAWING NO. C-3