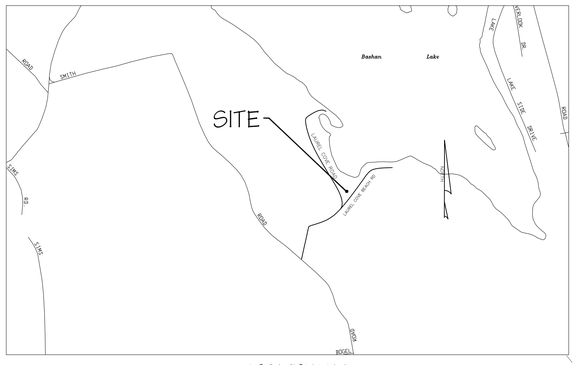


LOCATION MAP
SCALE: 1"= 1000'

GENERAL NOTES:

1. THE TOTAL AREA OF THE PARCEL IS 1.030 ACRES.
2. THE SUBDIVISION PARCEL IS LOCATED WITHIN THE "L" LAKE DISTRICT ZONING DISTRICT.
3. THE PARCEL IS IDENTIFIED ON THE TAX ASSESSOR'S MAPS AS MAP 48 LOT 115.
4. PROPERTY LINE AND TOPOGRAPHIC SURVEY INFORMATION TAKEN FROM A MAP ENTITLED "SUBDIVISION PLAN PROPERTY N/F OF ROBERT BIEGA #44 LAUREL COVE ROAD EAST HADDAM, CONNECTICUT" DATED APRIL 20, 2015 REVISED THROUGH 1-24-18 AS PREPARED BY ROBERT R. WEAVER, L.S., EAST HADDAM, CONNECTICUT.
5. THE PARCEL IS NOT LOCATED WITHIN A PUBLIC DRINKING WATER SUPPLY WATERSHED.
6. FEMA FLOOD ZONE BOUNDARY TAKEN FROM FEMA MAP 09007C0260G EFFECTIVE 8/28/2008.
7. THE PROPOSED HOUSE WILL BE SERVICED BY A PRIVATE DRILLED WELL AND AN ON SITE SUBSURFACE SEWAGE DISPOSAL (SEPTIC) SYSTEM.
8. THE ENTIRE PARCEL IS COMPRISED OF NIPMUCK-BROOKFIELD COMPLEX, 15 TO 45 PERCENT SLOPES, VERY ROCKY (72E) SOIL. (SOIL TYPES WERE TAKEN FROM N.R.C.S. WEB SOIL SURVEY MAPPING.)
9. WETLAND BOUNDARY INFORMATION TAKEN FROM MAP ENTITLED " SEASONAL CONVERSION/PLOT PLAN PREPARED FOR ROBERT E. BIEGA 44 LAUREL COVER ROAD EAST HADDAM, CONNECTICUT" DATED JUNE 5, 1999 REVISED THROUGH MAR. 4, 2001 AS PREPARED BY WARREN SURVEYING, HIGGANUM, CONNECTICUT.

LEGEND:

- EXISTING CONTOUR ---100---
- PROPOSED CONTOUR 100
- DEEP TEST HOLE
- PERCOLATION TEST PERC
- SILT FENCE/WOOD CHIP BERM
- LIMIT OF UPLAND REVIEW ZONE
- PROPOSED LIMIT OF CLEARING
- SLOPE > 20% AREAS

20 10 0 20 40 60

SECTION "A - A"
SCALE: 1"= 20' H. & 1"= 4' V.

SOIL TEST RESULTS (6-10-15)
CONDUCTED BY THE CHATHAM HEALTH DISTRICT (STEVE KNAUF) AND NEMERGUT CONSULTING

DEEP TEST HOLE 1
0"- 2" TOPSOIL
2"- 31" BROWN FINE SANDY LOAM
31"-72" SAND SILT AND DECOMPOSED ROCK
NO REFUSAL
NO GROUNDWATER
NO MOTTLING/REDOX
ROOTS TO 54"

DEEP TEST HOLE 2
0"- 2" TOPSOIL
2"- 30" BROWN FINE SANDY LOAM
30"-76" SAND SILT AND DECOMPOSED ROCK
NO REFUSAL
NO GROUNDWATER
NO MOTTLING/REDOX
ROOTS TO 36"

DEEP TEST HOLE 3
0"- 2" TOPSOIL
2"- 33" BROWN SANDY LOAM
33"-93" SAND, SOME DECOMPOSED ROCK
NO REFUSAL
NO GROUNDWATER
NO MOTTLING/REDOX
ROOTS TO 36"

DEEP TEST HOLE 4
0"- 2" TOPSOIL
2"- 31" BROWN FINE SANDY LOAM
31"-88" SAND, AND DECOMPOSED ROCK
NO REFUSAL
NO GROUNDWATER
NO MOTTLING/REDOX
ROOTS TO 43"

DEEP TEST HOLE 5
0"- 3" TOPSOIL
3"- 27" ORANGE BROWN FINE SANDY LOAM
27"-79" LIGHT BROWN FINE TO MEDIUM SILTY SAND
NO REFUSAL
NO GROUNDWATER
NO MOTTLING/REDOX
ROOTS TO 36"

DEEP TEST HOLE 6
0"- 4" TOPSOIL
4"- 36" ORANGE BROWN FINE SANDY LOAM
36"-95" LIGHT BROWN FINE TO MEDIUM SILTY SAND
NO REFUSAL
NO GROUNDWATER
NO MOTTLING/REDOX
ROOTS TO 36"

BASIS FOR SEPTIC SYSTEM DESIGN
EFFECTIVE LEACHING SYSTEM AREA REQUIRED BY THE STATE HEALTH CODE TECHNICAL STANDARDS FOR A 4 BEDROOM HOUSE AND 10.1 - 20.0 MINUTES PER INCH PERCOLATION RATE = 787.5 S.F.
EFFECTIVE LEACHING SYSTEM AREA PROVIDED 57 L.F. OF GEOMATRIX LLC GST 6218 LEACHING SYSTEM AT 14.0 S.F./L.F. = 798 S.F.

MINIMUM LEACHING SYSTEM SPREAD (M.L.S.S.)
MLSS = HYDRAULIC FACTOR X FLOW FACTOR X PERCOLATION FACTOR
HYDRAULIC FACTOR = 18
RECEIVING SOIL DEPTH = 30.1" - 36.0"
HYDRAULIC GRADIENT = >15%
FLOW FACTOR = 1.75 (4 BEDROOMS)
PERCOLATION FACTOR = 1.25 (10.1 TO 20.0 MINUTES PER INCH)
MLSS = 18 X 1.75 X 1.25 = 40 L.F.
LSS PROVIDED =60 L.F.

PERCOLATION TEST RESULTS			PERCOLATION TEST RESULTS		
LOCATION:BETWEEN DTHS 1&4			LOCATION:BETWEEN DTHS 2&3		
DATE: JANUARY 17, 2019			DATE: JANUARY 17, 2019		
HOLE DEPTH = 20"			HOLE DEPTH = 18"		
TIME	READING	CHANGE	TIME	READING	CHANGE
12:40	7 6/8	---	12:41	6 7/8	---
12:45	8 6/8	1	12:46	10	3 1/8
12:50	9 1/8	3/8	12:51	12	2
12:55	9 4/8	3/8	12:56	13 6/8	1 6/8
13:00	9 7/8	3/8	13:01	15 2/8	1 4/8
13:05	10 2/8	3/8	13:06	16 2/8	1
13:10	10 5/8	3/8	13:11	17 2/8	1
13:15	11	3/8	13:16	18 1/8	7/8
13:20	11 2/8	2/8	13:21	18 7/8	6/8
13:25	11 4/8	2/8	13:26	HOLE DRY	
13:30	11 6/8	2/8			
PERCOLATION RATE = 20.0 MINUTES PER INCH			PERCOLATION RATE = 6.7 MINUTES PER INCH		

OWNER: JESSICA STRASSMAN, TRUSTEE
239 FORBES AVE
SAN RAFAEL, CA 94901

APPLICANT: MARK & JESSICA STRASSMAN
239 FORBES AVE
SAN RAFAEL, CA 94901

RECEIVED FOR FILING
DATE:_____
MAP NO._____

THE SUBDIVISION REGULATIONS OF THE EAST HADDAM PLANNING AND ZONING COMMISSION ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT ON COMPLETION OF ALL THE REQUIREMENTS OF SAID SUBDIVISION REGULATIONS.
APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION
DATE:_____ CHAIRMAN/SECRETARY:_____
EXPIRATION DATE:_____

CERTIFICATION BY THE CHATHAM HEALTH DISTRICT SANITARIAN.
I HERE-BY CERTIFY THAT ALL LOTS ON THIS MAP MAY HAVE SEPTIC SYSTEMS AND WELLS AT LOCATIONS SHOWN. THE FOLLOWING LOTS, IF ANY, SHALL HAVE ENGINEERED DESIGNED SYSTEMS: _____
DISTRICT SANITARIAN _____ DATE _____

NEMERGUT CONSULTING
235 ROUTE 80 - P.O. BOX 666
KILLINGWORTH, CONNECTICUT 06419
PHONE: 860.663.2384
NEMERGUTCONSULTING.COM

STATE OF CONNECTICUT ROGER D. NEMERGUT REGISTERED PROFESSIONAL ENGINEER No. 10008

ROGER D. NEMERGUT
PROFESSIONAL ENGINEER
LIC. NO. 10008

JASON A. NEMERGUT
PROFESSIONAL ENGINEER
LIC. NO. 26088

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THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS THE DESIGN ENGINEER'S RAISED PROFESSIONAL SEAL APPEARS ON THE PLAN; AND THE OWNER/CONTRACTOR HAS CONTACTED THE DESIGN ENGINEER TO VERIFY THAT THEY ARE IN POSSESION OF THE LATEST APPROVED DESIGN PLANS.

SITE PLAN AND EROSION & SEDIMENT CONTROL PLAN

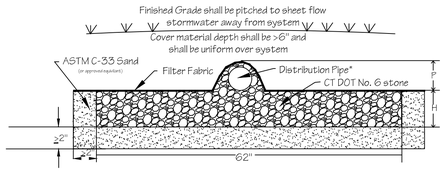
MARK & JESSICA STRASSMAN
1 LAUREL COVE BEACH ROAD
EAST HADDAM CONNECTICUT
MAP: 48 LOT: 115

DATE: 9/3/21
DESIGNED BY: J.A.N.
CHECKED BY: R.D.N.
SCALE: 1" = 20'

NO.	DATE	REVISIONS
1	9/28/21	
2	10/5/21	PZC COMMENTS

SHEET

1 OF 2



"H= 6" (GST6206)
12" (GST6212)
18" (GST6218)
24" (GST6224)
30" (GST6230)
36" (GST6236)

"P= 5.5"
*3" min. I.D., ASTM D-3034, SDR 35 pipe for gravity applications

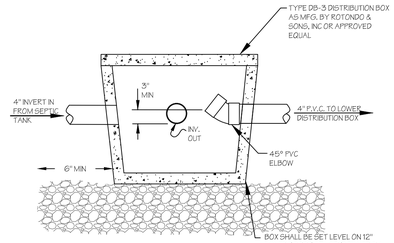
GEOMATRIX CONTACT INFORMATION:
DAVID POTTS (GEOMATRIXLLC.COM)
860-227-0636

GEOMATRIX GST LEACHING SYSTEM

B-B' CROSS SECTION

ASTM C-33 SAND SPECIFICATIONS

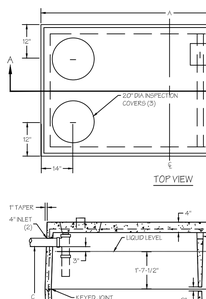
SIEVE SIZE	SPECIFICATION PERCENT PASSING DRY SIEVE
0.375"	100.0–100.0
#4	95.0 – 100.0
#8	80.0 – 100.0
#16	50.0 – 85.0
#30	25.0 – 60.0
#50	5.0 – 30.0
#100	< 10.0
#200	< 3.0



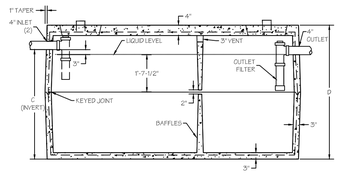
BOX SHALL BE SET LEVEL ON 12" LAYER OF BROKEN STONE. VERIFY BOX IS LEVEL AFTER BACKFILLING OF SEPTIC SYSTEM IS COMPLETED.

DISTRIBUTION BOX DETAIL

NOT TO SCALE



TOP VIEW



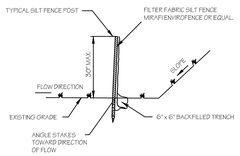
SIDE VIEW
(SECTION A-A)

SEPTIC TANK DETAIL

NOT TO SCALE

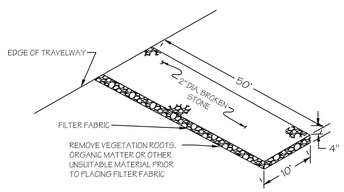
SEPTIC TANK SHALL BE 1,250 GALLON AS MANUFACTURED BY UNITED CONCRETE PRODUCTS, INC. YALESVILLE, CT (203-269-3119)

LIQUID CAPACITY	A LENGTH	B WIDTH	C INVERT	D HEIGHT
1000 Gal.	8'-6"	4'-10"	4'-7"	5'-4"
1000 Gal. Low Boy	10'-0"	5'-0"	3'-9"	4'-6"
1250 Gal.	10'-0"	5'-0"	4'-7"	5'-4"
1250 Gal. Low Boy	10'-6"	5'-8"	4'-0"	4'-9"
1500 Gal.	10'-6"	5'-8"	4'-7"	5'-5"
1500 Gal. Low Boy	11'-11"	6'-6"	3'-8"	4'-10"



SILT FENCE DETAIL

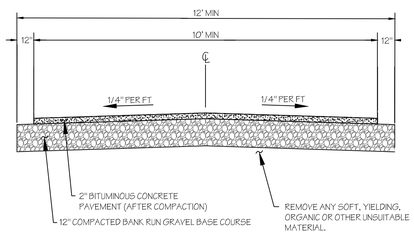
NOT TO SCALE



REMOVE VEGETATION ROOTS, ORGANIC MATTER OR OTHER UNSUITABLE MATERIAL PRIOR TO PLACING FILTER FABRIC

ANTI-TRACKING PAD

NOT TO SCALE"



PAVED DRIVEWAY TYPICAL SECTION

(NOT TO SCALE)

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL WORK SHALL BE CARRIED OUT IN CONFORMANCE WITH THESE DRAWINGS AND ANY, AND ALL, CONDITIONS OF THE EAST HADDAM PLANNING AND ZONING COMMISSION.
2. WORK RELATING TO EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE DETAILS AND CONSTRUCTION METHODS ON THESE DRAWINGS AND AS OUTLINED IN THE "2002 CONNECTICUT GUIDELINES FOR SOIL AND EROSION CONTROL" PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.
3. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF EXCAVATION OF FILL OPERATIONS IN UPHILL AREAS.
4. ALL WORK DISTURBED BY CONSTRUCTION SHALL BE SEEDED AND MULCHED AS SOON AS POSSIBLE AFTER THE COMPLETION OF CONSTRUCTION IN THAT AREA. NATURAL VEGETATION IN UNDISTURBED AREAS SHALL BE RETAINED AND PROTECTED.
5. ALL SLOPES IN CUT AND FILL AREAS SHALL BE 2H:1V UNLESS NOTED OTHERWISE ON THE PLAN.
6. EROSION AND SEDIMENT CONTROL DEVICES SHALL NOT BE REMOVED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED ON UPHILL AREAS.
7. RECOMMENDED SEED MIXTURE ON DISTURBED SLOPES (UNLESS NOTED OTHERWISE ON THE PLAN) SHALL BE CREEPING RED FESCUE (0.45 LBS./100 S.F.); REDTOP (0.05 LBS./1000 S.F.); AND CROWN VETCH (0.35 LBS./1000 S.F.). RECOMMENDED SEEDING DATES ARE APRIL 1 THROUGH JUNE 1 AND AUGUST 15 THROUGH SEPTEMBER 30. USE HAY MULCH ON ALL SEEDED AREAS FOR MOISTURE RETENTION.
8. DISTURBED AREAS SHALL NOT BE SEEDED OUTSIDE OF THE RECOMMENDED SEEDING DATES BUT SHALL BE TEMPORARILY STABILIZED WITH HAY MULCH UNTIL A PERMANENT SEEDING DURING RECOMMENDED SEEDING DATES CAN TAKE PLACE.
9. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY, PARTICULARLY AFTER A RAINFALL EVENT, AND REPAIRED, MAINTAINED OR REPLACED BY THE CONTRACTOR AS REQUIRED.
10. LIME AND FERTILIZER APPLICATION RATES SHALL BE BASED ON THE RESULTS OF SOIL SAMPLE TESTS PERFORMED BY THE CONTRACTOR.
11. MINIMUM TOPSOIL DEPTH IN AREAS TO BE SEEDED SHALL BE 4".

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION:

THE PROJECT CONSISTS OF THE CONSTRUCTION OF A SINGLE FAMILY YEAR ROUND RESIDENCE (INCLUDING SUPPORTING UTILITIES) FOR A PROPERTY LOCATED ON THE CORNER OF LAUREL COVE ROAD AND LAUREL COVE BEACH ROAD. THE PROPERTY WILL BE SERVICED BY A DRILLED WELL AND ON SITE SUBSURFACE SEWAGE DISPOSAL (SEPTIC) SYSTEM.

DESCRIPTION OF EXISTING SITE CONDITIONS:

GROUND SLOPES ON THE PROPERTY ARE STEEP TO MODERATE FROM WEST TO EAST. THE LOT IS LIGHTLY WOODED. THE PROPERTY BORDERS BASHAN LAKE TO THE EAST.

CONSTRUCTION SCHEDULE:

THE PROPOSED CONSTRUCTION SCHEDULE IS STARTING FALL OF 2021 AND COMPLETION BY SUMMER 2022.

RECOMMENDED SEQUENCE OF CONSTRUCTION

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE APPROVED SITE PLAN.
2. THE CONTRACTOR SHALL NOTIFY THE ZONING ENFORCEMENT OFFICER AFTER THE EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE AND AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
3. COMMENCE CLEARING AND GRUBBING OPERATIONS AND STOCKPILE TOPSOIL. STUMPS ARE TO BE DISPOSED OF OFF SITE.
4. EXCAVATE FOR, AND POUR, HOUSE FOUNDATION.
5. INSTALL FOOTING DRAINS AND BACKFILL FOUNDATION.
6. COMMENCE HOUSE FRAMING.
7. COMPLETE THE INSTALLATION OF UNDERGROUND UTILITIES.
8. INSTALL SEPTIC SYSTEM & ROOF INFILTRATION SYSTEMS.
9. COMPLETE HOUSE CONSTRUCTION.
10. FINISH GRADE YARD.
11. TOPSOIL, SEED AND MULCH YARD.
12. PLACE FINAL WEARING COURSE ON DRIVEWAY.
13. REMOVE EROSION AND SEDIMENT CONTROL MEASURES IMMEDIATELY AFTER A PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED ON DISTURBED AREAS..

DESIGN CRITERIA AND CONSTRUCTION DETAILS:

SEE THE SITE PLANS FOR CONSTRUCTION DETAILS.

FILTER FABRIC SILT FENCE AND/OR STAKED HAYBALES ARE TO BE USED TO INTERCEPT AND CONTAIN SOIL EROSION RESULTING FROM SURFACE RUNOFF OVER TEMPORARILY DISTURBED AREAS. WOOD CHIP BERMS (USING WOOD CHIPS RESULTING FROM THE SITE CLEARING OPERATIONS) WILL BE USED TO SUPPLEMENT THE SILT FENCE INSTALLATIONS.

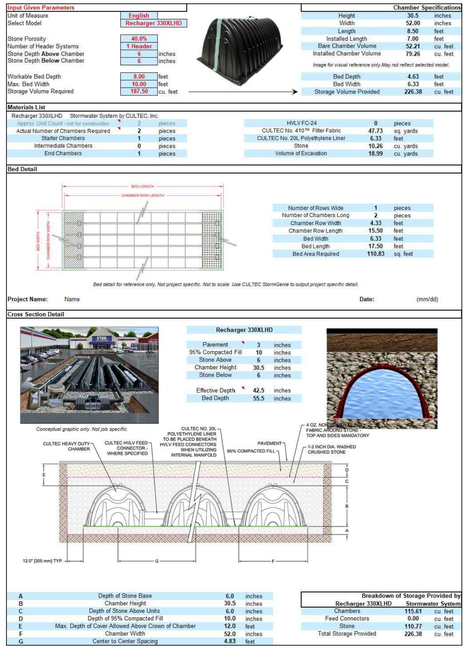
AN ANTI-TRACKING PAD (BROKEN STONE WHEEL CLEANER) IS TO BE INSTALLED AT THE CONSTRUCTION ENTRANCE TO SHAKE SILT OFF OF CONSTRUCTION VEHICLE TIRES AND MINIMIZE THE AMOUNT OF SILT TRACKED ONTO THE ROAD.

MAINTENANCE PROGRAM:

FILTER FABRIC SILT FENCE IS TO BE INSPECTED WEEKLY AND IMMEDIATELY AFTER A RAINFALL EVENT OF 1" OR MORE IN A 24 HOUR PERIOD AND DURING A MAJOR STORM EVENT.
(A MAJOR STORM EVENT IS DEFINED AS A STORM PREDICTED BY THE NATIONAL OFFICE OF ATMOSPHERIC ADMINISTRATION WEATHER SERVICE WITH WARNINGS OF FLOODING, SEVERE THUNDERSTORMS, OR SIMILARLY SEVERE WEATHER CONDITIONS.
REPAIR OR REPLACE SILT FENCE AND/OR STAKED HAY BALES AS NECESSARY. CLEAN ACCUMULATED SILT AWAY FROM SILT FENCE WHEN A DEPTH OF 6" IS REACHED OR AS NECESSARY TO MAINTAIN STRUCTURAL INTEGRITY AND EFFECTIVENESS.

ANTI – TRACKING PAD SHALL BE INSPECTED DAILY AND RENEWED WITH ADDITIONAL LAYERS OF BROKEN STONE AS REQUIRED TO MAINTAIN ITS EFFECTIVENESS.

THE PERSON RESPONSIBLE FOR OVERSEEING AND MONITORING OF THE EROSION AND SEDIMENT CONTROL MEASURES WILL BE JESSICA STRASSMAN (415) 378-7085.



ROOF LEADER DISCHARGE COMPUTATIONS:

FIRST INCH OF RAINFALL:

AREA OF ROOF = 2,250 S.F.

VOLUME: = 2,160 S.F. X (1/12) = 180.0 CU. FT

OWNER/APPLICANT: JESSICA STRASSMAN, TRUSTEE
239 FORBES AVE
SAN RAFAEL, CA 94901

RECEIVED FOR FILING

DATE:_____

MAP NO._____

GENERAL NOTES:

1. PROPOSED CONSTRUCTION SHALL CONFORM TO THE 2018 STATE OF CONNECTICUT PUBLIC HEALTH CODE AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL AS AMENDED.
2. ELEVATIONS AND CONTOURS ARE BASED ON AN ASSUMED DATUM.
3. ELEVATIONS SHOWN REFER TO THE INVERT (FLOW LINE) OF THE PROPOSED LEACHING SYSTEM UNLESS NOTED OTHERWISE.
4. PERCOLATION RATE FOR DESIGN – 10 - 20.0 MINUTES PER INCH.
5. THE MINIMUM DISTANCE FROM WELL (POTABLE, GEOTHERMAL, OR IRRIGATION) TO SEPTIC IS 75 FEET.
6. LEACHING SYSTEM AREA SHALL BE LIMED, FERTILIZED, SEEDED AND MULCHED UPON COMPLETION OF THE PROJECT.
7. SEPTIC TANK CONSTRUCTION JOINTS SHALL BE SEALED WITH ASPHALT CEMENT. ALL PIPE CONNECTIONS TO THE SEPTIC TANK AND AND DISTRIBUTION BOXES SHALL BE SEALED WITH A POLYETHYLENE GASKET "POLY-LOK" OR APPROVED EQUAL.
8. SEPTIC TANK BAFFLES SHALL CONFORM TO SECTION VA-1 TECHNICAL STANDARDS OF THE STATE HEALTH CODE.
9. IF FIELD CONDITIONS, (LEDGE, GROUNDWATER, MOTTLING) ARE ENCOUNTERED AT AT SHALLOWER DEPTHS THAN SHOWN IN THE DEEP TEST HOLE RESULTS, CONSTRUCTION SHALL BE HALTED AND THE ENGINEER CONTACTED IMMEDIATELY.
10. SOIL TEST RESULTS SERVING AS THE BASIS FOR THIS DESIGN WERE CONDUCTED BY NEMERGUT CONSULTING AND THE HEALTH DISTRICT.
11. NO DEVIATIONS FROM THE APPROVED DESIGN PLAN SHALL BE ALLOWED WITHOUT THE PRIOR APPROVAL OF THE SANITARIAN OR THE DESIGN ENGINEER.
12. EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO FIELD MODIFICATION, AS NECESSARY, AS REQUIRED BY THE DESIGN ENGINEER OR TOWN OFFICIALS.
13. STRIP AND STOCKPILE EXISTING TOPSOIL LAYER FROM WITHIN THE PROPOSED LEACHING SYSTEM IN THOSE AREAS WHERE THE BOTTOM OF THE PROPOSED LEACHING SYSTEM IS AT, OR ABOVE, THE BOTTOM OF THE EXISTING TOPSOIL LAYER OR IN THOSE AREAS WHERE SEPTIC SYSTEM FILL IS REQUIRED.
14. SPECIAL FILL MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS:
    A. THE FILL MATERIAL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
    B. 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).
    C. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
    D. THE REMAINING SAMPLES SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE	PERCENT PASSING WET SIEVE	DRY SIEVE
#4	100	100
#10	70-100	70-100
#40	10-50 *	10-75
#100	0-20	0-25
#200	0-5	0-2.5

    * PERCENT PASSING THE #40 SIEVE MAY 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%.

    THE FILL SHALL BE PLACED IN 12" MAXIMUM LIFTS AFTER THE STRIPPED LEACHING SYSTEM AREA HAS BEEN SCARIFIED. TRUCKS OR OTHER CONSTRUCTION EQUIPMENT SHALL NOT BE DRIVEN OVER THE SCARIFIED AREA PRIOR TO FILL PLACEMENT. PRIOR TO FILL PLACEMENT ANY SMEARED FILL AREAS SHALL BE RE-SCARIFIED.
15. PRIOR TO PLACEMENT, FILL MATERIAL SHALL BE INSPECTED AND APPROVED BY THE HEALTH DISTRICT AND THE DESIGN ENGINEER
16. SEPTIC TANKS SHALL BE TWO COMPARTMENT TANKS WITH HEAVY DUTY STEEL HANDLES FOR MANHOLE ACCESS COVERS AND EFFLUENT FILTERS INSTALLED ON OUTLET BAFFLES
17. ALL PIPE DOWNSTREAM OF THE OF THE SEPTIC TANK (EXCEPT FOR LEACHING TRENCHES) SHALL BE 4" DIAMETER P.V.C. ASTM D3034 SDR 35 OR APPROVED EQUAL.
18. THE SITE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 1-800-922-4455 PRIOR TO CONSTRUCTION TO VERIFY THE EXTENT AND LOCATION OF EXISTING UNDERGROUND UTILITIES.
19. THE LEACHING SYSTEM SHALL BE PROPERLY COVERED BY THE LICENSED SYSTEM INSTALLER WITHIN TWO (2) WORKING DAYS FOLLOWING THE LOCAL HEALTH DISTRICT'S FINAL INSPECTION AND APPROVAL.
20. IMMEDIATELY UPON COMPLETION OF THE SEPTIC SYSTEM INSTALLATION AND FINAL APPROVAL BY THE HEALTH DISTRICT, THE SEPTIC SYSTEM SHALL BE BACKFILLED, TOPSOILED,SEEDED AND MULCHED. THE FINAL GRADING SHALL CONFORM TO THE DESIGN PLAN AND SHALL ENSURE THAT SURFACE RUNOFF IS DIRECTED AWAY FROM THE THE LEACHING SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED IN DISTURBED AREAS.
21. THE DESIGN ENGINEER SHALL BE CONTACTED PRIOR TO BACKFILLING THE SEPTIC SYSTEM TO ALLOW FOR TAKING THE NECESSARY FIELD MEASUREMENTS FOR THE PREPARATION OF AN "AS-BUILT" SEPTIC SYSTEM PLAN AS REQUIRED BY THE HEALTH DISTRICT PRIOR TO THE ISSUANCE OF A PERMIT TO DISCHARGE OR A CERTIFICATE OF OCCUPANCY.
22. NO GRADING OR OTHER DISTURBANCE OF THE AREA OF THE PROPOSED SEPTIC SYSTEM WILL BE ALLOWED PRIOR TO THE INSTALLATION. NO PARKING, EQUIPMENT STORAGE OR TRAFFIC IN THE AREA OF THE SEPTIC SYSTEM WILL BE ALLOWED.
23. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, THE SEPTIC SYSTEM SHALL BE STAKED OUT BY THE PROJECT SURVEYOR.
24. THE DISTRICT SANITARIAN AND THE ENGINEER SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION. NO PORTION OF THE SYSTEM SHALL BE COVERED WITHOUT INSPECTION AND APPROVAL OF THE SANITARIAN AND THE ENGINEER.
25. THE MINIMUM DISTANCE FROM UTILITY TRENCH (GAS/ELECTRIC/CABLE T.V./TELEPHONE) TO SEPTIC SYSTEM IS 5 FEET.
26. CONSTRUCT STORM WATER SWALES, AS REQUIRED, TO DIRECT SURFACE RUNOFF AWAY FROM THE SEPTIC SYSTEM.
27. PROPERTY LINE AND TOPOGRAPHIC SURVEY INFORMATION TAKEN FROM A MAP ENTITLED "SUBDIVISION PLAN PROPERTY N/F OF ROBERT BIEGA #44 LAUREL COVE ROAD EAST HADDAM, CONNECTICUT" DATED APRIL 20, 2015 REVISED THROUGH 1-24-18 AS PREPARED BY ROBERT R. WEAVER, L.S., EAST HADDAM, CONNECTICUT.
28. IF A LARGE CAPACITY BATHTUB IS INSTALLED THE SEPTIC TANK SHALL BE INCREASED AS FOLLOWS:
    - 100 - 200 GALLON TUB CAPACITY - ADD 250 GALLONS TO SEPTIC TANK CAPACITY
    - OVER 200 GALLON TUB CAPACITY - ADD 500 GALLONS TO SEPTIC TANK CAPACITY
29. IF A GARBAGE DISPOSAL IS INSTALLED, THE SEPTIC TANK SHALL BE INCREASED INSTALLER BY 250 GALLONS. GARBAGE DISPOSALS ARE NOT RECOMMENDED SINCE THEY INCREASE THE SOLIDS LOADING ON THE SEPTIC TANK AND MAY PREMATURELY CLOG EFFLUENT FILTER.

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STATE OF CONNECTICUT
ROGER D. NEMERGUT
NO. 10008
REGISTERED
PROFESSIONAL ENGINEER

ROGER D. NEMERGUT
PROFESSIONAL ENGINEER
LIC. NO. 10008

JASON A. NEMERGUT
PROFESSIONAL ENGINEER
LIC. NO. 26088

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THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS THE DESIGN ENGINEER'S RAISED PROFESSIONAL SEAL APPEARS ON THE PLAN; AND THE OWNER/CONTRACTOR HAS CONTACTED THE DESIGN ENGINEER TO VERIFY THAT THEY ARE IN POSSESSION OF THE LATEST APPROVED DESIGN PLANS.

DETAILS & NOTES

MARK & JESSICA STRASSMAN
1 LAUREL COVE BEACH ROAD
EAST HADDAM CONNECTICUT

MAP: 48 LOT: 115

DATE: 9/3/21
DESIGNED BY: J.A.N.
CHECKED BY: R.D.N.
SCALE: AS NOTED

NO.	DATE	REVISIONS

SHEET

2 OF 2