

TEST PITS BY GERWICK - MEREN L.L.C.
8/13/24 - WITNESSED BY DANIELLE HOLMES
SANITARIAN LEDGE LIGHT HEALTH DISTRICT

TEST PIT # 1-1
0-12" TOPSOIL
12-21/23" ORANGE BROWN FINE SILTY LOAM
21-86" LIGHT GRAY BROWN FINE-MEDIUM SAND /TRACE COBBLES

MOTTLING @ 41"
ROOTS TO 52"

TEST PIT # 1-2
0-20" FILL
20-28" ORIGINAL TOPSOIL
28-45" ORANGE BROWN FINE SILTY LOAM
45-88" GRAY FINE SILTY SAND
MOTTLING @ 53"
ROOTS TO 56"
NO REFUSAL

TEST PIT # 2-1
LEDGE @ 28"

TEST PIT # 2-2
LEDGE @ 30"

TEST PIT # 2-3
LEDGE @ 46"

TEST PIT # 2-4
LEDGE @ 44"

TEST PIT # 3-1
LEDGE @ 33"

TEST PIT # 3-2
LEDGE @ 24"

TEST PIT # 3-3
LEDGE @ 34"

TEST PIT # 3-4
LEDGE @ 37"

TEST PIT # 3-5
0-6" TOPSOIL (LEAF LITTER)
6-44" ORANGE BROWN FINE SILTY LOAM
44-52" GRAY SAND FINE-MEDIUM ROCKY COMPACT
NO GROUNDWATER
LEDGE @ 52"
ROOTS TO 42"

TEST PIT # 3-6
0-4" TOPSOIL (LEAF LITTER)
4-30" ORANGE BROWN FINE SILTY LOAM
30-85" GRAY BROWN SILTY MOTTLED VERY FINE SILTY SAND

MOTTLING @ 36"
GROUND WATER @ 65"
ROOTS TO 50"
LEDGE @ 72"

TEST PIT # 3-7
0-3" TOPSOIL (LEAF LITTER)
3-31" YELLOW BROWN FINE SILTY LOAM ROCKY
31-41" MEDIUM CORASE SAND / GRAVEL
NO GROUND WATER
MOTTLING @ 31"
LEDGE TO 66"

TEST HOLES 9-10-24
WITNESSED BY DANIELLE HOLMES
SANITARIAN LEDGE LIGHT HEALTH DISTRICT

TEST PIT # 4-16
0-3" TOPSOIL
3-25" YELLOW BROWN VERY FINE SILTY SAND
25-66" LIGHT GRAY BROWN GLACIAL TILL
ROOTS TO 44"
NO GROUND WATER
MOTTLING @ 53"

TEST PIT # 4-17
0-7" TOPSOIL (LEAF LITTER)
7-58" YELLOW BROWN VERY FINE SILTY SAND (WITH ROCKS)
ROOTS TO 36"
NO GROUNDWATER
NO APPARENT REDOX
LEDGE @ 66"

TEST PIT # 4-19
DEPTH 47-52" SLOPING LEDGE
POTENTIALLY SUITABLE

TEST PIT # 4-20
DEPTH 12-22" SLOPING LEDGE
NOT SUITABLE

TEST PIT # 2-1
TEST PIT # 2-2
TEST PIT # 2-3

TEST PIT # 2-4
TEST PIT # 3-1
TEST PIT # 3-2
TEST PIT # 3-3
TEST PIT # 3-4
TEST PIT # 3-5
TEST PIT # 3-6
TEST PIT # 3-7

TEST PIT # 4-1
TEST PIT # 4-2
TEST PIT # 4-3
TEST PIT # 4-4
TEST PIT # 4-5
TEST PIT # 4-6
TEST PIT # 4-7
TEST PIT # 4-8
TEST PIT # 4-9
TEST PIT # 4-10
TEST PIT # 4-11
TEST PIT # 4-12
TEST PIT # 4-13
TEST PIT # 4-14
TEST PIT # 4-15
TEST PIT # 4-16
TEST PIT # 4-17
TEST PIT # 4-18
TEST PIT # 4-19
TEST PIT # 4-20

TEST PITS BY TORCHLIGHT ENGINEERING LLC
12/1/2025 - WITNESSED BY DANIELLE HOLMES
SANITARIAN LEDGE LIGHT HEALTH DISTRICT

TEST PIT #1
0-5" TOPSOIL
5-37" LIGHT ORANGE BROWN FINE SILTY LOAM
37-62" GRAY BROWN VERY FINE SILTY SAND

MOTTLING @ 45"
ROOTS TO 48"
NO GROUNDWATER

TEST PIT #2
0-4" TOPSOIL
4-33" ORANGE BROWN FINE SILTY LOAM
33-47" GRAY BROWN MOTTLED SILTY SAND
47-66" GLACIAL TILL COMPACT WITH ROCKS
LEDGE @ 66"
ROOTS TO 48"
NO GROUNDWATER

PERC A - 12-1-2025 PRE-SOAKED DEPTH 13"		PERC B - 12-1-2025 PRE-SOAKED DEPTH 15"		PERC C - 12-1-2025 PRE-SOAKED DEPTH 14"	
TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
2:10	6"	2:10	5"	2:10	4"
2:20	7.5"	2:20	7"	2:20	5.5"
2:31	9"	2:31	9"	2:31	8.75"
2:40	10"	2:40	10"	2:40	8"
2:50	11"	2:50	11"	2:50	9"
3:00	12"	3:00	12"	3:00	10"
3:10	DRY	3:10	13"	3:10	11.25"
		3:20	14"	3:20	12"
		3:30	15"	3:30	13"
		3:40	14"	3:40	14"
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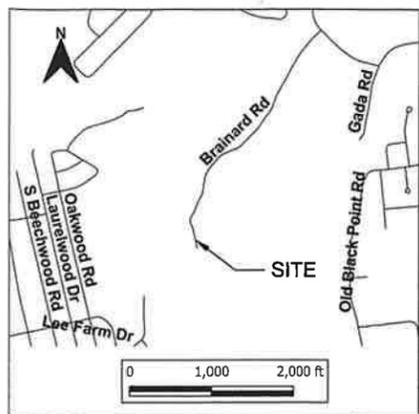
N/F
THE RODERICK M CORNISH
REVOCABLE TRUST
49 BRAINERD RD
07.4.21
1117/0173

N/F
BRUNO JEFFREY S
44 BRAINERD RD
07.2.35
1095/0734

N/F
NELLY G. ABARCA
EXISTING 46 BRAINERD RD
07.2.35
1120/1030
193,156.54 SQ. FT.
4.43 ACRES

ZONING DATA
ZONE: RU-40
WATER: PRIVATE WELL
WASTE WATER: PRIVATE SEPTIC

	REQUIRED	EXISTING PARCEL
MIN. LOT AREA (SQ. FT.)	40,000	193,156.64
MIN. FRONTAGE (FT)	150	361.61
FRONT SETBACK (FT)	50	599.2
REAR SETBACK (FT)	30	376.8
SIDE LINE SETBACK (FT)	30	34.7 / 260.9
LOT COVERAGE (%)	15	0.68



- NOTES:
- THIS SURVEY (OR MAP) HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20, AS REVISED.
 - BOUNDARY DETERMINATION CATEGORY: RESURVEY
 - HORIZONTAL DATUM: NAD83
 - VERTICAL DATUM: NAVD88
 - HORIZONTAL ACCURACY: A2
 - VERTICAL ACCURACY: V2
 - TOPOGRAPHIC ACCURACY: T2
 - TIDAL EPOCH: NTDE (1983-2001)
 - RCL THOMPSON LLC DOES NOT LOCATE UNDERGROUND UTILITIES, ALL UNDERGROUND UTILITIES ARE TO BE VERIFIED PRIOR TO ANY DIGGING BY CONTRACTOR.
 - PROPERTY BOUNDARIES DEPICTED ON THIS MAP, NOT SHARED BY THE SUBJECT PARCEL, ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
- REFERENCES:
- COMPILATION PLAN SHOWING PROPERTY OF DOUBLE R RANCH, LLC 49 BRAINERD ROAD TO BE CONVEYED TO NELLY G. ABARCA 46 BRAINERD ROAD NANTIC, CONNECTICUT NOVEMBER 25, 2024 1" = 200'
 - PROPERTY SURVEY OF A PORTION OF PROPERTY NOW OR FORMERLY OF ELSIE B. RAVEN, BRAINERD ROAD, E. LYME, CONN., SCALE 1" = 20', APRIL, 1978
 - MAP OF PRELIMINARY AND FINAL PLAN OF A SUBDIVISION TO BE KNOWN AS 'MINER SUBDIVISION - BRAINERD ROAD' LOCATED IN THE TOWN OF EAST LYME, CONN. SCALE - 1" = 50' MAR. 3, 1967
 - PROPERTY MAP TOWN OF EAST LYME, NEW LONDON COUNTY, CONNECTICUT, JAMES W. SEWALL COMPANY, OLD TOWN, MAINE, SCALE 1 INCH = 200 FEET REVISED 3-79

V-101

- LEGEND:
- CONN. HIGHWAY MON.
 - MERE STONE
 - CONC. MONUMENT
 - STONE MONUMENT
 - IRON PIN
 - IRON PIPE
 - PK OR MAG NAIL
 - DRILL HOLE
 - PILE OF STONES
 - WITH CAP
 - SET
 - FOUND
- 11 00' 00" E PROPERTY LINE
27 SETBACK LINE BRL (SETBACK)
EASEMENT
FENCE
OVERHEAD ELECTRICAL LINE
UNDERGROUND ELECTRICAL LINE
WATER PIPE
MAJOR CONTOUR
MINOR CONTOUR
STONE WALL
POWER POLE
WATER METER
CATCH BASIN

EXISTING CONDITIONS MAP
PROPERTY OF
NELLY G. ABARCA
46 BRAINERD ROAD
NANTIC, CONNECTICUT
ASSESSORS MAP# 07.2.35
DATE: December 30, 2025
SCALE: 1" = 30'

TORCHLIGHT ENGINEERING LLC
ENGINEERING - SURVEYING
860.941.7721
torchlightengineering.com
19 Peppercorn Dr.
Clinton, CT 06033

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

RYAN E. THOMPSON, PLS 79817

Project: 202505-061 46 BRAINERD RD Survey of 46 BRAINERD RD.dwg

TEST PITS BY GERWICK - MEREEN L.L.C.
8/13/24 - WITNESSED BY DANIELLE HOLMES
SANITARIAN LEDGE LIGHT HEALTH DISTRICT

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0-12" TOPSOIL
12-21/23" ORANGE BROWN FINE SILTY LOAM
21-86" LIGHT GRAY BROWN FINE-MEDIUM SAND /TRACE COBBLES

MOTTLING # 41"

ROOTS TO 52"

TEST PIT # 1-2
0-20" FILL
20-28" ORIGINAL TOPSOIL
28-45" ORANGE BROWN FINE SILTY LOAM
45-86" GRAY FINE SILTY SAND

MOTTLING @ 53"

ROOTS TO 58"

NO REFUSAL

TEST PIT # 2-1

LEDGE @ 28"

TEST PIT # 2-2

LEDGE @ 30"

TEST PIT # 2-3

LEDGE @ 45"

TEST PIT # 2-4

LEDGE @ 44"

TEST PIT # 3-1

LEDGE @ 33"

TEST PIT # 3-2

LEDGE @ 24"

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LEDGE @ 37"

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NO GROUNDWATER

LEDGE @ 52"

ROOTS TO 42"

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30-65" GRAY BROWN SILTY MOTTLED VERY FINE SILTY SAND

MOTTLING @ 36"

GROUND WATER @ 85"

ROOTS TO 50"

LEDGE @ 72"

TEST PIT # 3-7

0-3" TOPSOIL (LEAF LITTER)
3-31" YELLOW BROWN FINE SILTY LOAM ROCKY
31-41" MEDIUM COARSE SAND /GRAVEL
NO GROUNDWATER

MOTTLING @ 31"

LEDGE TO 85"

TEST HOLES 9-10-24

WITNESSED BY DANIELLE HOLMES
SANITARIAN LEDGE LIGHT HEALTH DISTRICT

TEST PIT # 4-16

0-3" TOPSOIL
3-25" YELLOW BROWN VERY FINE SILTY SAND
25-66" LIGHT GRAY BROWN GLACIAL TILL
ROOTS TO 44"

NO GROUNDWATER

MOTTLING @ 55"

TEST PIT # 4-17

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7-56" YELLOW BROWN VERY FINE SILTY SAND (WITH ROCKS)
ROOTS TO 36"

NO GROUNDWATER

NO APPARENT REDOX

LEDGE @ 65"

TEST PIT 4-19

DEPTH 47-52" SLOPING LEDGE
POTENTIALLY SUITABLE

TEST PIT 4-20

DEPTH 12-22" SLOPING LEDGE
NOT SUITABLE

TEST PITS BY TORCHLIGHT ENGINEERING LLC
12/1/2025 - WITNESSED BY DANIELLE HOLMES
SANITARIAN LEDGE LIGHT HEALTH DISTRICT

TEST PIT #1
0-5" TOPSOIL
5-37" LIGHT ORANGE BROWN FINE SILTY LOAM
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MOTTLING @ 45"
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0-4" TOPSOIL
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LEDGE @ 66"
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NO GROUNDWATER

PERC A - 12-1-2025
PRE-SOAKED
DEPTH 13"

PERC B - 12-1-2025
PRE-SOAKED
DEPTH 15"

PERC C - 12-1-2025
PRE-SOAKED
DEPTH 14"

TIME DEPTH TIME DEPTH TIME DEPTH
2:10 6" 2:10 5" 2:10 4"
2:20 7.5" 2:20 7" 2:20 5.5"
2:31 9" 2:31 9" 2:31 6.75"
2:40 10" 2:40 10" 2:40 8"
2:50 11" 2:50 11" 2:50 9"
3:00 12" 3:00 12" 3:00 10"
3:10 13" 3:10 13" 3:10 11.25"
3:20 14" 3:20 14" 3:20 12"
3:30 15" 3:30 15" 3:30 13"
3:40 14" 3:40 14" 3:40 14"

<10 MIN. / IN.
<10 MIN. / IN.
<10 MIN. / IN.

ZONING DATA
ZONE: RU-40
WATER: PRIVATE WELL
WASTE WATER: PRIVATE SEPTIC

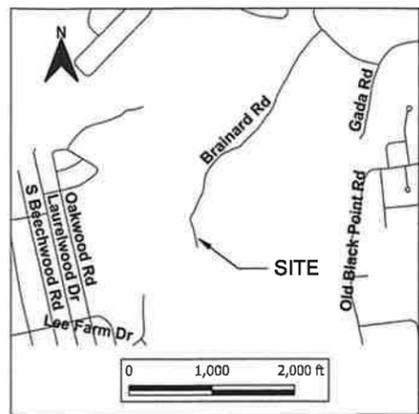
MIN. LOT AREA (SQ. FT.)	REQUIRED	EXISTING PARCEL	REMAINING LAND	PROPOSED LOT A
MIN. FRONTAGE (FT)	150	361.61	207.74	153.87
FRONT SETBACK (FT)	50	59.8	NO CHANGE	64.4
REAR SETBACK (FT)	30	376.8	NO CHANGE	366.6
SIDE LINE SETBACK (FT)	30	34.7 / 260.9	34.7 / 110.7	57.8 / 67.5
LOT COVERAGE (%)	15	0.68	1.36	3.74

N/F
BRUNO JEFFREYS
44 BRAINERD RD
07-2-35
1095/0734

REMAINING LAND
OF NELLY G. ABARCA
46 BRAINERD RD
07-2-35
96,120.29 SQ. FT.
2.21 ACRES

PROPOSED LOT A
97,028.06 SQ. FT.
2.23 ACRES

N/F
THE RODERICK M CORNISH
REVOCABLE TRUST
49 BRAINERD RD
07-4-21
1117/173



V-102

- LEGEND:
- CONC. HIGHWAY MON.
 - NIANTIC STONE MONUMENT
 - IRON PIPE
 - IRON PIPE
 - PK OR MAG NAIL
 - DRILL HOLE
 - PILE OF STONES
 - WITH CAP
 - SET
 - FOUND

- PROPERTY LINE
- BRL (SETBACK)
- EASEMENT
- FENCE
- OVERHEAD ELECTRICAL LINE
- UNDERGROUND ELECTRICAL LINE
- WATER PIPE
- STORM PIPE
- MAJOR CONTOUR
- MINOR CONTOUR
- STONE WALL
- POWER POLE
- WATER METER
- CATCH BASIN

- NOTES:
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 - BOUNDARY DETERMINATION CATEGORY: RESURVEY
 - HORIZONTAL DATUM: NAD83
 - VERTICAL DATUM: NAVD88
 - HORIZONTAL ACCURACY: A2
 - VERTICAL ACCURACY: V2
 - TOPOGRAPHIC DATA SOURCE: 2023 CT ECO LIDAR
 - TORCHLIGHT ENGINEERING LLC DOES NOT LOCATE UNDERGROUND UTILITIES, ALL UNDERGROUND UTILITIES ARE TO BE VERIFIED PRIOR TO ANY DIGGING BY CONTRACTOR.
 - PROPERTY BOUNDARIES DEPICTED ON THIS MAP, NOT SHARED BY THE SUBJECT PARCEL, ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
- REFERENCES:
- EXISTING CONDITIONS MAP, PROPERTY OF NELLY G. ABARCA, 46 BRAINERD ROAD, NIANTIC, CONNECTICUT, ASSESSORS MAP# 07-2-35, PREPARED BY TORCHLIGHT ENGINEERING LLC, 12/23/2025, 1" = 30'
 - COMPILATION PLAN SHOWING PROPERTY OF DOUBLE R RANCH, LLC 46 BRAINERD ROAD TO BE CONVEYED TO NELLY G. ABARCA 46 BRAINERD ROAD NIANTIC, CONNECTICUT NOVEMBER 25, 2024 1" = 200'
 - PROPERTY SURVEY OF A PORTION OF PROPERTY NOW OR FORMERLY OF ELSIE B. RAVEN, BRAINERD ROAD, E LYME, CONN., SCALE 1" = 20', APRIL, 1978
 - MAP OF PRELIMINARY AND FINAL PLAN OF A SUBDIVISION TO BE KNOWN AS 'MINER SUBDIVISION - BRAINERD ROAD' LOCATED IN THE TOWN OF EAST LYME, CONN., SCALE - 1" = 50' MAR. 3, 1967
 - PROPERTY MAP TOWN OF EAST LYME, NEW LONDON COUNTY, CONNECTICUT, JAMES W. SEWALL COMPANY, OLD TOWN, MAINE, SCALE 1 INCH = 200 FEET REVISED 3-78

RE-SUBDIVISION MAP
PROPERTY OF
NELLY G. ABARCA
NIANTIC, CONNECTICUT
ASSESSORS MAP# 07-2-35
DATE: JANUARY 2, 2025

TORCHLIGHT ENGINEERING LLC
ENGINEERING - SURVEYING
860-941-7721
torchlightengineering.com
18 Prapachuk Dr.
Chilton, CT 06413

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON



HEALTH DISTRICT COMMENTS

Z:\Projects\202505-061_46 BRAINERD RD\Survey\46 BRAINERD RD.dwg

SITE GENERAL NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.
2. WATER SERVICE PROVIDED BY PRIVATE WELL.
3. SANITARY SEWER SERVICE SEPTIC SYSTEM.
4. THE OWNER/CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF THE EXISTING IMPROVEMENTS AND CONSTRUCTION WITH REFERENCE TO THE PROPERTY LINE AND SETBACK REQUIREMENTS.
5. NO EXISTING WELLS ARE LOCATED WITHIN 75' OF THE PROPOSED LEACHING SYSTEM.
6. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.

SITE GRADING NOTES:

1. THE EXCESS DIRT SHALL BE TEMPORARILY STOCKPILED WITHIN THE LOCATION SHOWN ON THE PLOT PLAN AND PROTECTED BY THE PROPOSED ERS MEASURES.
2. ALL EXCESS DIRT FROM GRADING / EXCAVATING SHALL BE SPREAD UNIFORMLY IN THE REAR OF THE MINIMUM OF 5% GRADE AWAY FROM THE STRUCTURE AND A MAXIMUM 3H:1V SLOPE.

EXISTING UTILITY NOTE:

1. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AND ALLOW ADEQUATE TIME FOR MARKING.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UTILITIES WORK AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UTILITIES. IF, DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR ENCOUNTERS UTILITIES THOSE INDICATED BY "CALL BEFORE YOU DIG" AND MEMBER UTILITY COMPANIES, HE (SHE) SHALL IMMEDIATELY STOP WORK AND TAKE NECESSARY AND APPROPRIATE STEPS TO PROTECT THE FACILITY AND ASSURE SERVICE.
3. THE SITE CONTRACTORS/DEVELOPERS MUST VERIFY THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STRUCTURES AFFECTING THE SITE PRIOR TO THE START OF THE CONSTRUCTION. A PLAN MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY FOR RESOLUTION. EXISTING UTILITIES MAY RESULT IN COSTLY DELAYS AND REMEDIAL MEASURES.

CONSTRUCTION ENTRANCE NOTE:

1. DEPENDING ON ACTUAL SITE CONDITIONS AND LIMITATIONS, IN THE FIELD THE SITE INSPECTOR MAY DETERMINE THE LENGTH OF THE CONSTRUCTION ENTRANCE, OR THE LENGTH OF THE STANDARD DRIVEWAY TO BE USED AS A CONSTRUCTION ENTRANCE, OR THE LENGTH OF THE STANDARD DRIVEWAY MODIFIED.

STOCKPILE NARRATIVE:

1. THE SOIL FROM EXCAVATING FOUNDATION WILL BE STOCKPILED IN THE AREA AS SHOWN ON THE PLOT PLAN. SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED WITH VEGETATION AND SEDIMENT TRAPPING MEASURES. ALL SOIL STOCKPILES, IF ANY, SHALL BE SEEDED AND MULCHED.
2. THE HEIGHT OF THE STOCKPILES MATERIAL SHALL NOT EXCEED FOUR (4) FT. THE MAXIMUM SLOPE OF STOCKPILES SHALL NOT BE GREATER THAN 3:1.
3. THE STOCKPILE MATERIALS SHALL BE PROTECTED FROM DRAINING INTO ADJOINING NON DISTURBED AREAS OR ANY OTHER SEDIMENT CONTROL DEVICES.
4. EXCESS OR UNUSED STOCKPILE MATERIALS (IF ANY) SHALL BE GRADED INTO THE REAR YARD.

SITE PREPARATION:

1. CALL "CALL BEFORE YOU DIG" FOR MARK OUT OF ALL UTILITIES.
2. INSTALL SILT FENCE.
3. CLEAR AND GRUB DISTURBED AREAS AND STOCKPILE TOPSOIL & INSTALL EROSION CONTROL MEASURES.
4. INITIATE SITE-WORK TO INSTALL SEPTIC SYSTEM, FOUNDATION WORK, AND DRIVEWAY. DO NOT COME IN CONTACT WITH SEPTIC SYSTEM.
5. PERMANENTLY STABILIZE DISTURBED AREAS.
6. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AFTER SITE IS STABILIZED WITH VEGETATION.
7. SOIL EROSION AND SEDIMENTATION CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AFTER A GREATER RAINFALL EVENT.

SEPTIC SYSTEM COMPUTATIONS:

RESIDENCE TYPE: SINGLE FAMILY BEDROOMS: 4
 PERC BAND (MIN/IN): <10
 R.S. DEPTH (FT): 38.8 SLOPE (%): 5.4

RESTRICTIVE LAYER DETERMINATION:

TP #3-5 = 52.0 IN
 TP #3-7 = 31.0 IN
 TP #3-8 = 36.0 IN
 PRIMARY AVERAGE = (TP #3-5 + TP #3-7) / 2 = (52.0 + 31.0) / 2 = 41.5 IN
 RESTRICTIVE LAYER = (PRIMARY AVG + TP #3-8) / 2 = (41.5 + 36.0) / 2 = 38.8 IN

SSDS SYSTEM: PRIMARY:

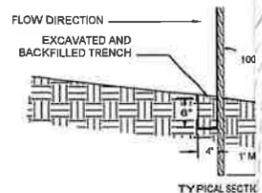
DESIGN PERC RATE: <10
 BEDROOM COUNT: 4
 REQUIRED ELA (SF): 577.5
 PROPOSED SYSTEM: GST6218
 LINEAR FT: 54
 ROWS: 1
 EFF. LEACHING AREA (SFALF): 14.0
 LEACHING AREA PROVIDED (SF): 758.0
 REQ'D TANK CAPACITY (GAL): 1125
 TANK CAPACITY PROVIDED (GAL): 1125

SSDS SYSTEM: RESERVE:

DESIGN PERC RATE: <10
 BEDROOM COUNT: 4
 REQUIRED ELA (SF): 577.5
 PROPOSED SYSTEM: GST6218
 LINEAR FT: 54
 ROWS: 1
 EFF. LEACHING AREA (SFALF): 14.0
 LEACHING AREA PROVIDED (SF): 758.0

MLSS COMPUTATIONS:

RECEIVING SOIL (IN): 38.8
 BEDROOM COUNT: 4
 PERCOLATION RATE: <10
 HYDRAULIC GRADIENT (%): 5.4
 HYDRAULIC FACTOR (HF): 30
 FLOW FACTOR (FF): 1.75
 PERC FACTOR (PF): 1.0
 MLSS REQUIRED (FT): 52.5
 MLSS PROVIDED (FT): 54

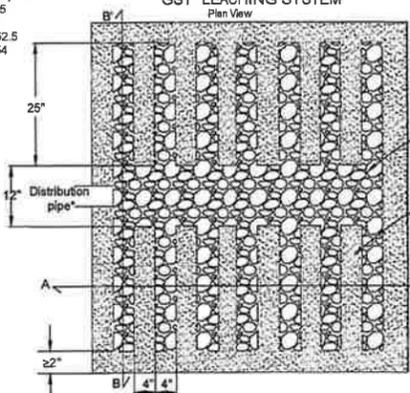


SILT FENCE DETAIL:
 N.T.S.

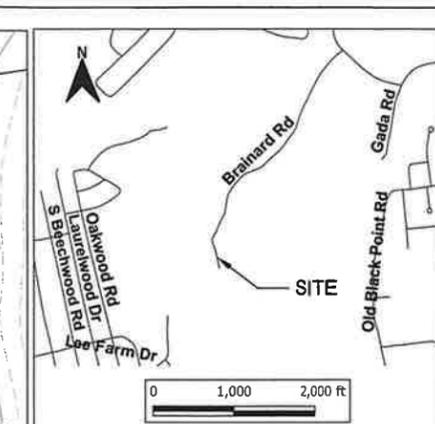
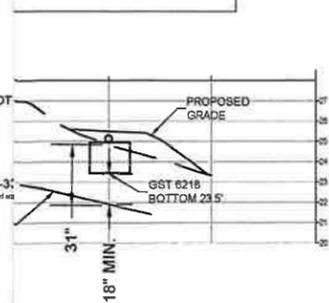


CONSTRUCTION ENTRANCE PAD DETAIL:
 N.T.S.

GST™ LEACHING SYSTEM:



SEPTIC PROFILE:



C-101

LEGEND:

- CHD - CORN HIGHWAY MON.
- MS - MERE STONE
- CM - CONC. MONUMENT
- SM - STONE MONUMENT
- IPN - IRON PIN
- IP - IRON PIPE
- PK OR MAG NAIL - PK OR MAG NAIL
- DH - DRILL HOLE
- POS - PILE OF STONES
- WCAP - WITH CAP
- SET - SET
- FOUND - FOUND
- PROPERTY LINE - PROPERTY LINE
- BRL (SETBACK) - BRL (SETBACK)
- EASEMENT - EASEMENT
- FENCE - FENCE
- OVERHEAD ELEC - OVERHEAD ELEC
- UNDERGROUND ELEC - UNDERGROUND ELEC
- W - WATER PIPE
- STORM PIPE - STORM PIPE
- ROOF DRAIN - ROOF DRAIN
- FOUNDATION DRAIN - FOUNDATION DRAIN
- SEWER PIPE - SEWER PIPE
- EX. MAJOR CONTOUR - EX. MAJOR CONTOUR
- EX. MINOR CONTOUR - EX. MINOR CONTOUR
- PROP. CONTOUR - PROP. CONTOUR
- STONE WALL - STONE WALL
- POWER POLE - POWER POLE
- WATER WELL - WATER WELL
- CONSTRUCTION ENTRANCE - CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE - LIMIT OF DISTURBANCE
- SILT FENCE - SILT FENCE



PLOT PLAN
 PROPERTY OF
 NELLY G. ABARCA
 46 BRAITHARD ROAD
 NANTIC, CONNECTICUT
 ASSESSORS MAP # 07-2-35

TORCHLIGHT ENGINEERING LLC
 ENGINEERING - SURVEYING
 860-441-7721
 torchlightengineering.com
 19 Peperbush Dr.
 Clinton, CT 06413



HEALTH DISTRICT COMMENTS:

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