ADDITIONAL DEEP TEST PIT DATA

TP #1B
0 - 4" TOPSOIL (MEDIUM BROWN)
4 - 33" LIGHT BROWN SILTY LOAM
33 - 80" OLIVE/BROWN SILTY SAND W/ ROCKS & GRAVEL. MOTTLES
MOTTLES: 36" - GW: N/A - LEDGE: N/A - ROOTS: 47" - RESTRICTIVE: 36"

TP #2B
0 - 4" TOPSOIL (MEDIUM BROWN)
4 - 22" RED-BROWN/ BROWN SILTY LOAM
22 - 86" ORANGE/GRAY SILTY MODERATLY COMPACT W/ MOTTLES
MOTTLES: 28" - SEEPING: 58" - LEDGE: N/A - ROOTS: 36" - RESTRICTIVE: 28"

TP #3B
0 - 10" TOPSOIL (MEDIUM BROWN)
10 - 26" BROWN FINE SILTY LOAM
26 - 55" ORANGE/BROWN/GRAY SILTY SAND FIRM IN PLACE W/ ROCKS & GRAVEL - MOTTLES
MOTTLES: 25" - GW: N/A - LEDGE: POSSIBLE @ 55" - ROOTS: 39" - RESTRICTIVE: 25"

TEST PITS AS WITNESSED AND DESCRIBED BY LIZ DAVIDSON, R.S.-AND ZAC JEZEK, JULY 30, 2021

SEPTIC NOTES:

EXISTING HOUSE HAS 3 BEDROOMS, TO USE THIS DESIGN THE HOUSE SHALL BE MADE A 2 BEDROOM DWELLING

THE EXISTING LEACHING TRENCHES ARE TO BE PROPERLY ABANDONED.

THE EXISTING SEPTIC TANKS ARE TO BE PUMPED, CRUSHED AND FILLED.

ABANDONMENT OF EXISTING SEPTIC COMPONENTS SHALL TO BE COMPLETED PRIOR TO DRILLING OF PROPOSED WELL.

THIS REPAIR PLAN UTILIZES A PROPRIETARY LEACHING SYSTEM. THE INSTALLER SHALL BE CERTIFIED BY AND WITH AND CONFORM TO PROPER INSTALLATION PROCEDURES AS SET FORTH BY THE DESIGNER(GEOMATRIX).

ALL EXISTING DRAINAGE PIPES WITHIN 25' OF THE PROPOSED SEPTIC AREA SHOULD BE REMOVED AND/OR MADE TIGHT AND BACKFILLED WITH NON-FREEDRAINING MATERIAL IN ACCORDANCE WITH THE HEALTH CODE.

TREES WITHIN THE AREA OF PROPOSED FILL TO BE REMOVED PRIOR TO SEPTIC INSTALLATION.

LEACHING FIELDS TO BE STAKED BY DUTCH & ASSOCIATES

PLAN NOTES:

NORTH SHOWN PER REFERENCE MAP

ELEVATION DATUM IS ASSUMED

THE PURPOSE OF THIS PLAN IS TO DEMONSTRATE AN AREA FOR A PROPOSED SEPTIC REPAIR AREA

THE BOUNDARY AS SHOWN IS PER TOWN LAND RECORDS AND LIMITED FIELD LOCATION AND IS THEREFORE APPROXIMATE IN NATURE.

THIS PLAN IS NOT INTENDED TO REPRESENT AN ACCURATE SURVEY AND DOES NOT REPRESENT A BOUNDARY DETERMINATION BY THIS SURVEYOR.

HYDRAULIC FACTORS (HF)

Restricting Soil Depth (Inches)	0-12	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75
	13-24	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75
	25-36	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75
	37-48	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75
	49-60	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75
	61-72	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75
	73+	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75

BASIS OF SANITARY DESIGN

2 BEDROOM HOUSE - 10.1 - 20 Min/in PERC RATE
500 SQ. FT. OF LEACHING AREA REQUIRED
USE 1 TRENCHES 67' WIDE @ 15' CTRS @ LENGTHS SHOWN
594 SQ. FT. OF LEACHING AREA PROVIDED
USE MINIMUM 1,000 GALLON SEPTIC TANK.
HF 26 x FF 1.0 x PF 1.75 = MLSS 32.5"

USE 1 ROW OF GEOMATRIX GST 6218 @ 14.0 FT² OF LEACHING PER LINEAR FT X 36" OF TRENCH = 504 FT² OF LEACHING PROVIDED (500 FT² REQUIRED).

PERCOLATION TEST DATA 2021

PT 'F'
DEPTH: 30"
PRESOAK: 9:07 9/15/21
REF. NAIL: 3"

TIME:	READING:
12:37	15.00"
12:46	18.13"
12:56	19.50"
13:06	20.25"
13:16	21.25"
13:26	22.00"
13:36	22.75"
13:46	23.13"

PERCOLATION RATE: 13.33 MIN./IN.

PT 'R'
DEPTH: 30"
PRESOAK: 12:00 8/12/21
REF. NAIL: 2"

TIME:	READING:
14:16	16.00"
14:26	18.75"
14:36	20.00"
14:46	21.50"
14:56	23.00"
15:06	23.50"
15:16	24.00"
15:26	25.00"
15:36 DRY	23.50"

PERCOLATION RATE: 20.0 MIN./IN.

PERCOLATION TEST CONDUCTED BY DUTCH & ASSOCIATES

DEEP TEST PIT DATA

TP #1
0 - 6" TOPSOIL
6 - 36" BROWN LOAMY SAND
36 - 63" MODERATE COMPACT GREY FINE SANDY LOAM
MOTTLES: 36" - GW: 39" - LEDGE: NONE - ROOTS: 39"

TP #2
0 - 10" TOPSOIL
10 - 36" BROWN FINE LOAMY SAND
36 - 68" MODERATE COMPACT GREY SANDY LOAM
MOTTLES: 18" - GW: 18" - LEDGE: NONE - ROOTS: 39"

TP #3
0 - 8" TOPSOIL
8 - 22" BROWN LOAMY SAND
22 - 62" MODERATE COMPACT GREY FINE SANDY LOAM
MOTTLES: 22" - GW: NONE - LEDGE: NONE - ROOTS: 22"

TEST PITS AS WITNESSED AND DESCRIBED BY JAMES G. KARRENBERG, R.S., APRIL 25, 2019

PERCOLATION TEST DATA

PT #1
DEPTH: 20"
PRESOAK: 10:57
REF. NAIL: 1"

TIME:	READING:
2:27	9.25"
2:37	12.25"
2:47	14.25"
2:57	15.75"
3:07	17.00"
3:17	18.25"

PERCOLATION RATE: 8 MIN./IN.

PERCOLATION TEST CONDUCTED BY DUTCH & ASSOCIATES, APRIL 29, 2019

EROSION CONTROL NOTES

GENERAL REQUIREMENTS FOR EROSION CONTROL:

A SCHEDULE OF OPERATIONS TO INCLUDE STARTING AND COMPLETION DATES FOR MAJOR DEVELOPMENT PHASES, SUCH AS LAND CLEARING AND GRADING, STREET, SIDEWALK, AND STORM SEWAGE INSTALLATION, ETC

SEEDING, SODDING, OR REVEGETATION PLANS AND SPECIFICATIONS FOR ALL UNPROTECTED OR UNVEGETATED AREAS SHALL BE IMPLEMENTED AS SOON AS POSSIBLE

EXCAVATIONS , FILLS AND GRADING :

CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 2:1 UNLESS STABILIZED BY A RETAINING WALL OR CRIBBING, EXCEPT AS APPROVED BY THE COMMISSION UNDER SPECIAL CONDITIONS

ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATER FROM DAMAGING THE CUT FACE OF EXCAVATION OR THE SLOPING SURFACES OF FILLS

CUT AND FILLS SHALL NOT ENDANGER ADJOINING PROPERTY

FILL SHALL BE PLACED AND COMPACTED SO AS TO MINIMIZE SLIDING OR EROSION OF THE SOIL

GRADING SHALL NOT BE DONE IN SUCH A WAY SO AS TO DIVERT WATER ONTO THE PROPERTY OF ANOTHER LANDOWNER WITHOUT THE EXPRESSED CONSENT OF THAT LANDOWNER AND THE COMMISSION

FILLS SHALL NOT ENCROACH ON THE NATURAL WATERCOURSES OR CONSTRUCTED CHANNELS

DURING GRADING OPERATIONS, NECESSARY MEASURES FOR DUST CONTROL SHALL BE EXERCIZED

GRADING EQUIPMENT WILL NOT BE ALLOWED TO CROSS LIVE STREAMS EXCEPT BY MEANS OF BRIDGES AND CULVERTS OR OTHER METHODS AS APPROVED BY THE COMMISSION

IMPLEMENTATION PROCEDURES:

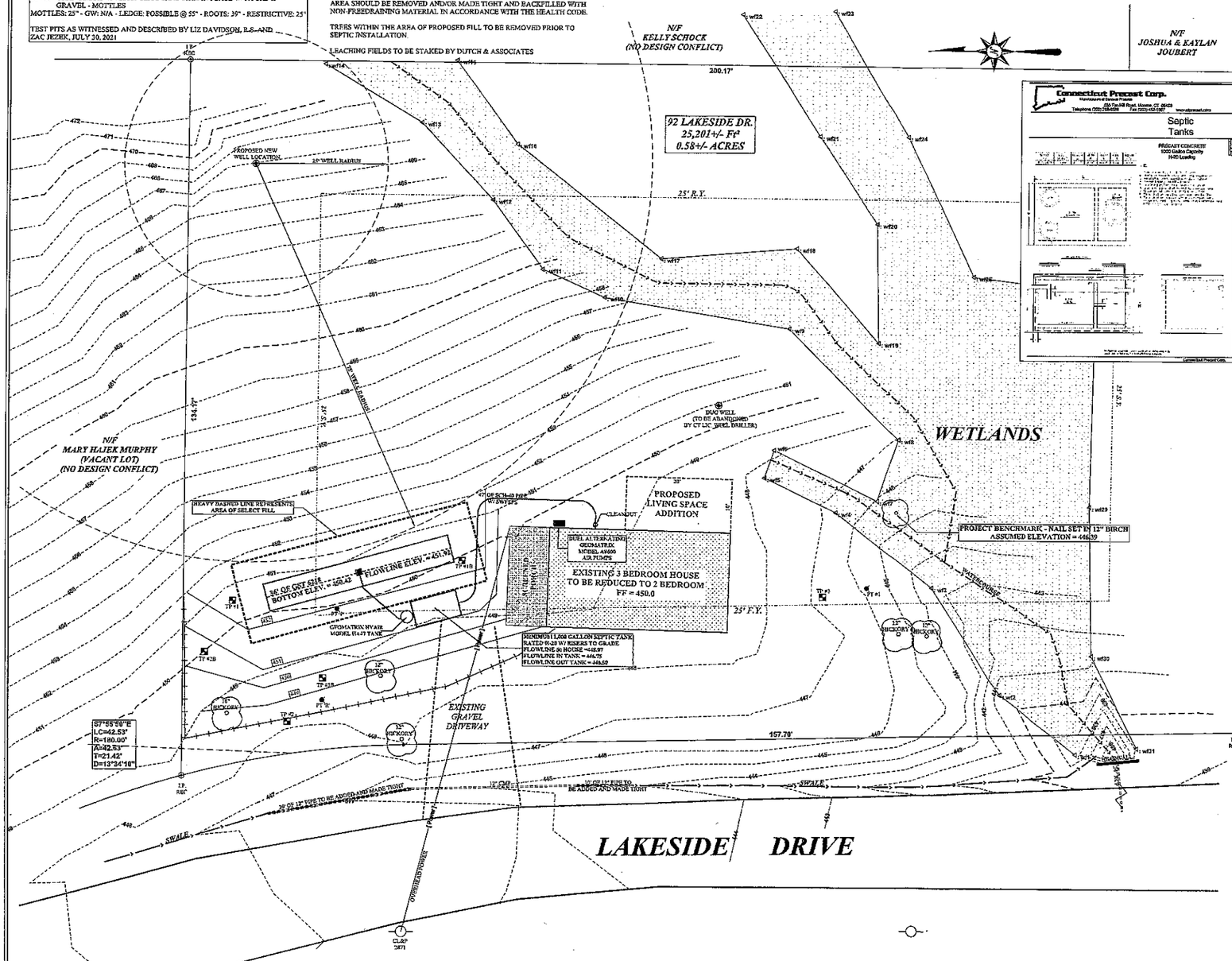
WHEREVER FEASIBLE, NATURAL VEGETATION SHOULD BE RETAINED AND PROTECTED

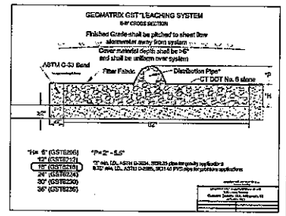
ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT

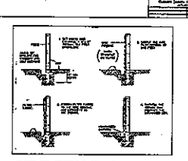
WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME

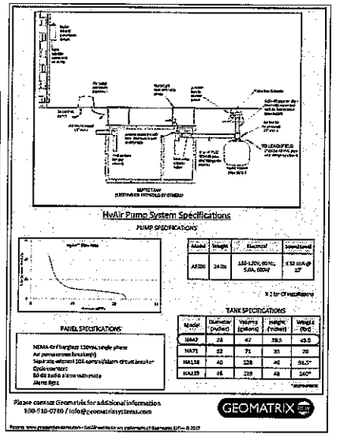
WHERE NECESSARY, TEMPORARY VEGETATION AND/OR MULCHING SHOULD BE USED TO PROTECT AREAS EXPOSED DURING DEVELOPMENT

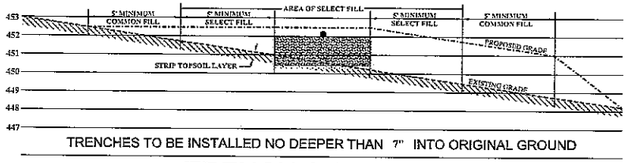
THE PERMANENT FINAL VEGETATION AND STRUCTURES SHOULD BE INSTALLED AS SOON AS PRACTICAL IN THE DEVELOPMENT











TRENCHES TO BE INSTALLED NO DEEPER THAN 7" INTO ORIGINAL GROUND

TRENCH SECTION B-B
NO SCALE

LEGEND
- △ WETLAND FLAG
- UTILITY POLE
- ● PROPOERTY ANGLE POINT
- IRON PIN/PIPE RECOVERED
- TREE AS NOTED
- WELL
- PERCOLATION TEST
- DEEP TEST PIT
- SILT FENCE
- 452 PROPOSED CONTOUR

SEPTIC REPAIR PLAN

PREPARED FOR

MARK SCHOCK

92 LAKESIDE DRIVE - EAST HADDAM, CONNECTICUT
SCALE 1" = 10' - MAY 8, 2019
REVISED: 5/24/19; 11/18/21; 5/2/22; 8/25/23

0 10' 20'

REFERENCE NOTE

THIS SURVEY AND MAP HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED FOR USE BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996

THE TYPE OF SURVEY IS: "ZONING LOCATION SURVEY"

THE BOUNDARY DETERMINATION CATEGORY IS: "DEPENDENT RESURVEY"

THE HORIZONTAL ACCURACY CONFORMS TO "C" STANDARDS

WETLANDS AS SHOWN WERE MARKED IN FIELD BY BRIAN GOLEMBIEWSKI

BRIAN GOLEMBIEWSKI - WETLANDS SCIENTIST
SOILS SCIENTIST

MAP REFERENCE

SUNSET ACRES AT BASHAN LAKE - WILLIAM VILLA AND JOSEPH QUAGLIAROLI OWNERS - EAST HADDAM, CONN. - JUNE 1947 - SCALE: 1" = 60' - BY F.E. THRALL

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

CHARLES R. DUTCH, L.S. — 15776 LICENSE NUMBER

DUTCH & ASSOCIATES
LAND SURVEYORS
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JOB NO. 19-114

Traverse PC