TEST PIT DATA

TP #101
0 - 17" TOPSOIL/FILL
17 - 48" WATER
MOTTLES: NONE - GW @ 17" - ROOTS: NO
HIT WATER LINE OR SPRING, WATER POURING INTO HOLE

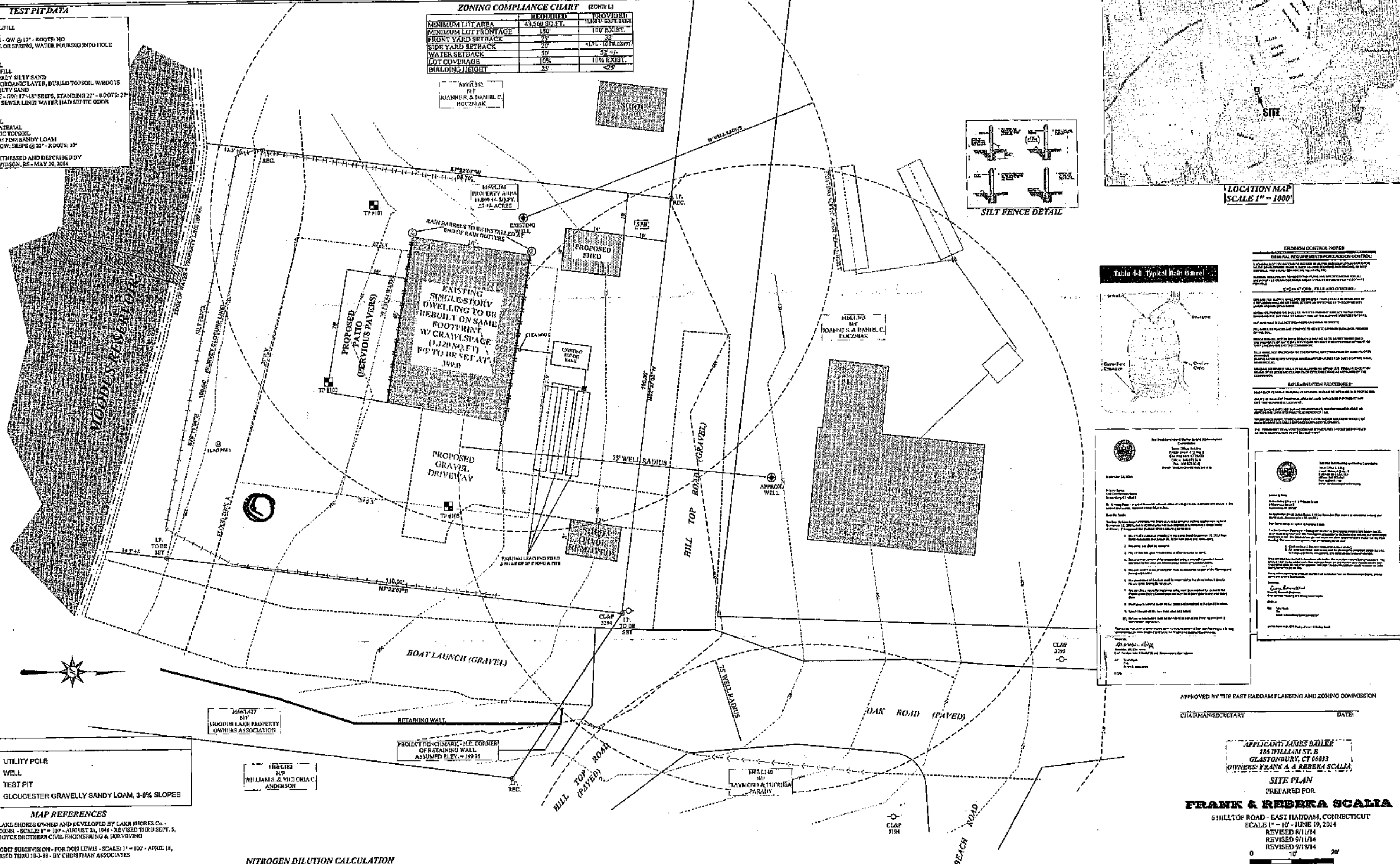
TP #102
0 - 5" TOPSOIL
5 - 14" SANDY FILL
14 - 27" DARK GREY SILTY SAND
27 - 48" BLACK ORGANIC LAYER, BURIED TOPSOIL W/ROOTS
48 - 60" GREY SILTY SAND
MOTTLES: NONE - GW: 17"-18" SEEPS, STANDING 27" - ROOTS: 27"
HIT OLD HOUSE SEWER LINE? WATER HAD SEPTIC ODOR

TP #103
0 - 8" TOPSOIL
8 - 12" FILL MATERIAL
12 - 20" ORGANIC TOPSOIL
20 - 37" MEDIUM FINE SANDY LOAM
MOTTLES: 36" - GW: SEEPS @ 22" - ROOTS: 37"

TEST PITS AS WITNESSED AND DESCRIBED BY
ELIZABETH DAVIDSON, RS - MAY 20, 2014

ZONING COMPLIANCE CHART (ZONE L)

	REQUIRED	PROVIDED
MINIMUM LOT AREA	43,560 SQ.FT.	11,800 +/- SQ.FT. EXIST.
MINIMUM LOT FRONTAGE	150'	100' EXIST.
FRONT YARD SETBACK	25'	32'
SIDE YARD SETBACK	20'	4.7'L - 10' R EXIST.
WATER SETBACK	50'	52' +/-
LOT COVERAGE	10%	10% EXIST.
BUILDING HEIGHT	25'	<25'



LEGEND

- UTILITY POLE
- WELL
- TEST PIT
- 57B GLOUCESTER GRAVELLY SANDY LOAM, 3-8% SLOPES

MAP REFERENCES

MOODUS LAKE SHORES OWNED AND DEVELOPED BY LAKE SHORES Co. - MOODUS CONN. - SCALE: 1" = 100' - AUGUST 21, 1946 - REVISED THRU SEPT. 5, 1946 - BY BOYCE BROTHERS CIVIL ENGINEERING & SURVEYING

LAUREL POINT SUBDIVISION - FOR DON LEWIS - SCALE: 1" = 100' - APRIL 18, 1988 - REVISED THRU 10-3-88 - BY CHRISTMAN ASSOCIATES

FEMA FLOOD INSURANCE RATE MAP NUMBER 09007C0168G - EFFECTIVE DATE AUGUST 28, 2008

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 "A-2" STANDARDS.

NITROGEN DILUTION CALCULATION

3 BEDROOMS = 4 PEOPLE X 75 GPCD = 300 GPD, 300 GPD X 3.8 L/G = 1140 L/D

TYPICAL CONCENTRATIONS 40 MG/L, 40% REMOVED BY PRETREATMENT, THEREFORE 1140 L/D @ 24 MG/L

RAINFALL FOR DILUTION, 118' X 100' = 11,800 FT² AVERAGE DAILY PRECIPITATION 0.01 FT/FT², 60% INFILTRATES, THEREFORE 70.8 FT³/DAY OR 529.56 GALLONS OR 2,012 LITERS

DELIVERY TO SITE, 1140 L @ 24 MG/L = 27,360 MG
DILUTION, 2,012 L + 1,140 L = 3,152 L

FINAL CONCENTRATION 27,360/3,152 = 8.68 MG/L

DRINKING WATER STANDARD 10 MG/L THEREFORE THE DISCHARGE IS OK.

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION

CHAIRMAN/SECRETARY DATE:

APPLICANT: JAMES BAILER
186 WILLIAM ST. E
GLASTONBURY, CT 06033
OWNERS: FRANK A. & REBEKA SCALIA

SITE PLAN

PREPARED FOR

FRANK & REBEKA SCALIA

6 HILLTOP ROAD - EAST HADDAM, CONNECTICUT
SCALE 1" = 10' - JUNE 19, 2014
REVISED 8/11/14
REVISED 9/11/14
REVISED 9/18/14
0 10' 20'

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

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

STATE OF CONNECTICUT CHARLES R. DUTCH 15776 LICENSED LAND SURVEYOR

DUTCH & ASSOCIATES
LAND SURVEYORS
392 SOUTH MAIN STREET, COLCHESTER, CONN.
PHONE: (860) 537-3465
JOB NO. 14-117