

LEGEND

- STONE WALL
- PROPERTY LINE
- STREET LINE
- DRILL HOLE FOUND
- MONUMENT FOUND
- CONNECTICUT HIGHWAY DEPARTMENT MONUMENT FOUND
- REBAR OR DRILL HOLE TO BE SET
- EDGE OF WETLANDS & FLAG
- GUARD RAIL
- UTILITY POLE
- SOIL TYPE
- TEST HOLE
- PERC TEST

PERCOLATION TEST DATA
TESTED BY GERWICK-MEREEN LLC
ENGINEERING ON: 4/9/2015
RUN BY: J. STEINER
PROJECT: SALAMAN-14-012
DEPTH: 24 3/4"
PT: 1

TIME	MEAS. (in)	DROP (in)	RATE (min/in)
0:00	6 3/4		
0:05	10	3.25	1.54
0:10	12 1/4	2.25	2.22
0:15	14 1/8	1.875	2.67
0:20	15 5/8	1.50	3.33
0:25	16 1/2	0.875	5.71
0:30	17 1/8	0.625	8.00
0:35	17 3/4	0.625	8.00
0:40	18 1/8	0.625	8.00
0:45	18 3/4	0.625	8.00

PERCOLATION TEST DATA
TESTED BY GERWICK-MEREEN LLC
ENGINEERING ON: 4/9/2015
RUN BY: J. STEINER
PROJECT: SALAMAN-14-012
DEPTH: 22 1/2"
PT: 2

TIME	MEAS. (in)	DROP (in)	RATE (min/in)
0:00	6 3/4		
0:05	7 3/8	0.625	8.00
0:10	8	0.625	8.00
0:15	8 5/8	0.625	8.00
0:20	9 1/4	0.625	8.00
0:25	9 7/8	0.625	8.00

Test Hole Data
Site: 252 Avery Hill Rd, Ledyard, CT
Job #: 14-012 Salaman
Field Book: DWG 07
Date of Test Holes:
Excavator: Dave Henrick
Sanitarians: George Caulkins
Number of Test Holes: 8

Test Hole #1
85" Depth
Water at 55", No ledge, Mottling at 28"

Test Hole #2
88" Depth
Water at 38", No ledge, Mottling at 24"

Test Hole #3
85" Depth
Water at 23", No ledge, Mottling at 10/12"

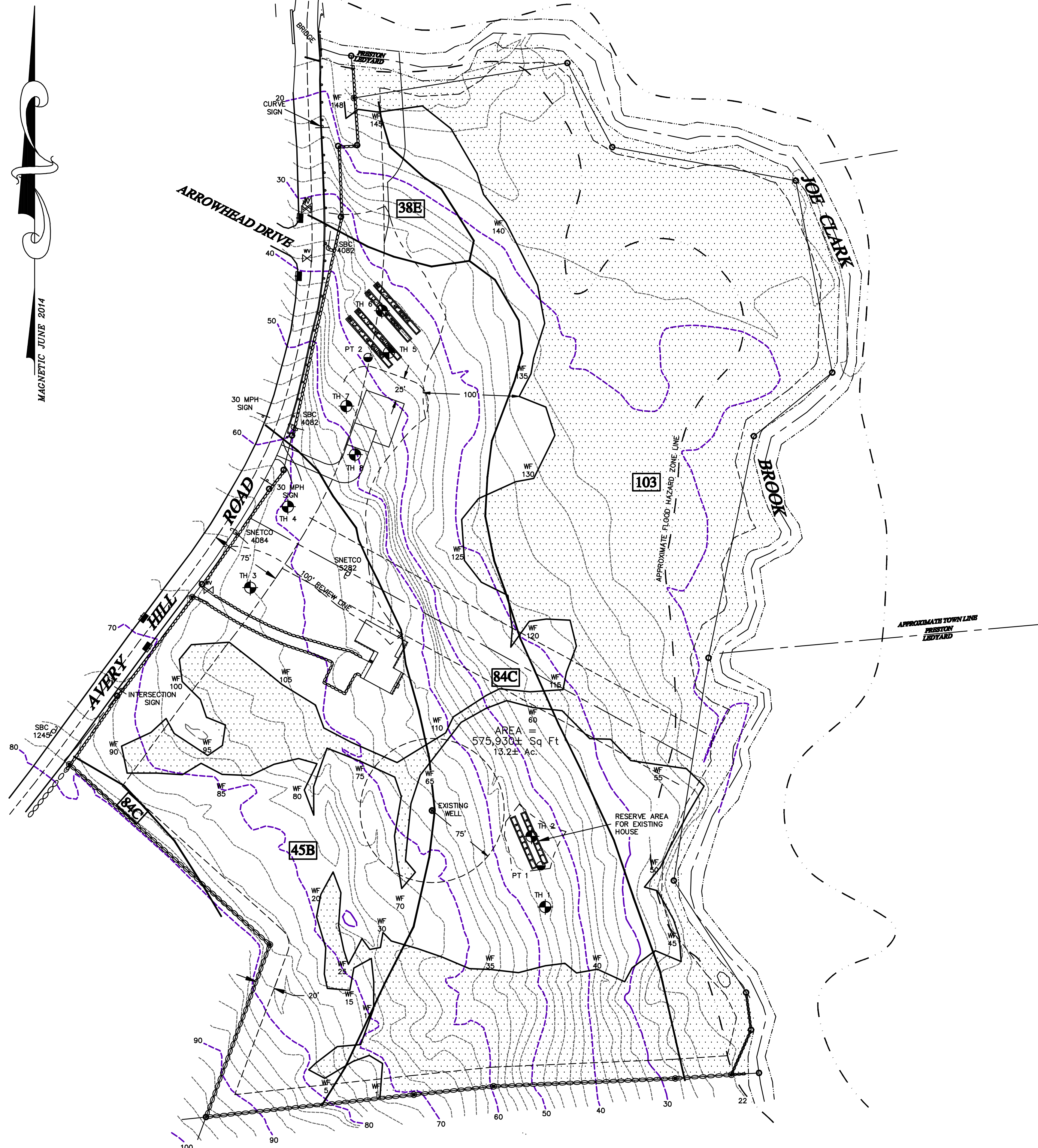
Test Hole #4
87" Depth
No water, No ledge, Mottling at 20" +/-

Test Hole #5
85" Depth
No water, No ledge, Mottling at 24"

Test Hole #6
87" Depth
No water, No ledge, Mottling at 38"

Test Hole #7
90" Depth
No water, No ledge, No mottling

Test Hole #8
85" Depth
No water, No ledge, Mottling at 64/65"



SEPTIC DEMONSTRATION PLAN

THIS PLAN, OR THE DATA HEREIN, DOES NOT CONSTITUTE AN ENGINEERED DESIGNED SEPTIC SYSTEM. THE SOLE PURPOSE OF THIS PLAN IS TO SUPPLY INFORMATION TO THE LEDGE LIGHT HEALTH DISTRICT WITH RESPECT TO SOIL AND SITE CONDITIONS TO MAKE A DETERMINATION AS TO WHETHER THE PROPOSED LOTS CAN SUPPORT A SEPTIC SYSTEM UNDER CURRENT DEPT. OF HEALTH CODE STANDARDS

EXISTING HOUSE, PROPOSED LOT 1 SANITARY DESIGN DEMONSTRATION NOTES:

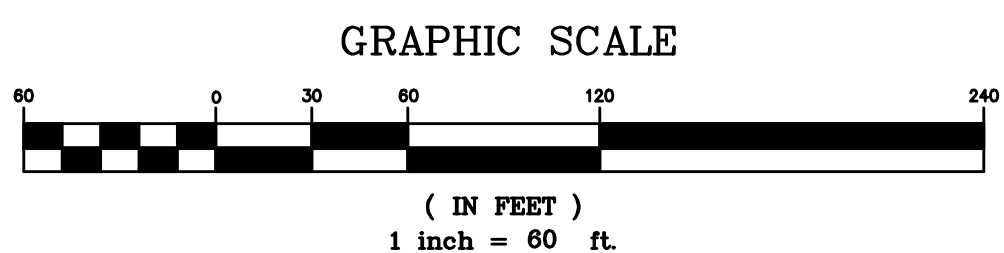
- CONTOURS AND TEST HOLES FROM FIELD SURVEY BY GERWICK-MEREEN LLC. EXISTING HOUSE HAS AN EXISTING SYSTEM. DEMONSTRATION IS FOR RESERVE ONLY.
- EXISTING HOUSE RESERVE IS A FOUR BEDROOM HOUSE. BASIS OF DESIGN IS FOR FOUR BEDROOMS WITH NO GARBAGE GRINDER AND NO TUBS OF 100-200 GALLONS WITH A PERC. RATE OF 8.0 MIN./IN. SYSTEM AREA REQUIRED IS 660 S.F. AND IS SUPPLIED AS FOLLOWS:
RESTRICTIVE LAYER DEPTH = 24" DOWN GRADIENT SLOPE = 19.6% MLSS:
H.F. = 24.0 F.F. = 2.0 P.F. = 1.2
MINIMUM LEACHING SYSTEM SPREAD = 57.6 L.F.
RESERVE SYSTEM LAYOUT AS FOLLOWS:
2 ROWS OF 56 L.F. OF 12" X 48" GALLERIES WITH A DISTRIBUTION BOX AND 1 FOOT OF 1" STONE ON EACH END FOR A TOTAL OF 56 L.F. AT 5.9 S.F. PER L.F. = 684.4 S.F.
TOTAL LEACHING AREA = 684.4 S.F.
- THERE ARE NO WELLS WITHIN 75' OF THIS SYSTEM.
- A CONDITION OF THIS DESIGN IS THAT THE SUBSURFACE SEWAGE DISPOSAL SYSTEM (SSDS) AND HOUSE FOUNDATION SHALL BE FIELD STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
- SITE INVESTIGATION AND SUBSEQUENT FOUNDATION ELEVATIONS ARE FOR THE SOLE PURPOSE OF SANITARY SEPTIC DESIGN. ANY FOOTING DRAINS OR SUMP OUTLETS DEPICTED ARE FOR THE SOLE PURPOSE OF ENSURING THAT NO CONFLICT EXISTS BETWEEN SUCH DRAINS AND THE SSDS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER AND HIS OR HER CONTRACTOR TO DETERMINE THE ADEQUACY OF ANY SUCH ELEVATIONS AND DRAINS INTENDED TO PROTECT THE BASEMENT FROM WATER INCURSION AND/OR SEEPAGE.

PROPOSED LOT 2 - SANITARY DESIGN DEMONSTRATION NOTES:

- CONTOURS AND TEST HOLES FROM FIELD SURVEY BY GERWICK-MEREEN LLC.
- PROPOSED HOUSE IS A FOUR BEDROOM HOUSE. BASIS OF DESIGN IS FOR FOUR BEDROOMS WITH NO GARBAGE GRINDER AND NO TUBS OF 100-200 GALLONS WITH A PERC. RATE OF 8.0 MIN./IN. SYSTEM AREA REQUIRED IS 660 S.F. AND IS SUPPLIED AS FOLLOWS:
RESTRICTIVE LAYER DEPTH = 24" DOWN GRADIENT SLOPE = 12% MLSS:
H.F. = 26.0 F.F. = 2.0 P.F. = 1.2
MINIMUM LEACHING SYSTEM SPREAD = 62.4 L.F.
SYSTEM LAYOUT AS FOLLOWS:
2 ROWS OF 64 L.F. OF 12" X 48" GALLERIES WITH A DISTRIBUTION BOX AND 1 FOOT OF 1" STONE ON EACH END FOR A TOTAL OF 64 L.F. AT 5.9 S.F. PER L.F. = 778.8 S.F.
TOTAL LEACHING AREA = 778.8 S.F.
A 100% RESERVE AREA HAS BEEN PROVIDED.
- THERE ARE NO WELLS WITHIN 75' OF THIS SYSTEM.
- A CONDITION OF THIS ANALYSIS IS THAT THE SUBSURFACE SEWAGE DISPOSAL SYSTEM (SSDS) AND HOUSE FOUNDATION SHALL BE FIELD STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
- SITE INVESTIGATION AND SUBSEQUENT FOUNDATION ELEVATIONS ARE FOR THE SOLE PURPOSE OF SANITARY SEPTIC DESIGN. ANY FOOTING DRAINS OR SUMP OUTLETS DEPICTED ARE FOR THE SOLE PURPOSE OF ENSURING THAT NO CONFLICT EXISTS BETWEEN SUCH DRAINS AND THE SSDS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER AND HIS OR HER CONTRACTOR TO DETERMINE THE ADEQUACY OF ANY SUCH ELEVATIONS AND DRAINS INTENDED TO PROTECT THE BASEMENT FROM WATER INCURSION AND/OR SEEPAGE.

SEPTIC DEMONSTRATION PLAN
PREPARED FOR
RICARDO SALAMAN
252 AVERY HILL ROAD
LEDYARD, CONNECTICUT

SCALE: 1" = 60'
DATE: APRIL 10, 2015 **JOB NO. 14-012**



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

JOHN PAUL MEREEN
TITLE: LAND SURVEYOR CT No. 18859
DATE: DECEMBER 23, 2014

DATE	REVISION

JOHN PAUL MEREEN
TITLE: LAND SURVEYOR CT No. 18859



GERWICK - MEREEN L.L.C.
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