

**PERCOLATION TEST RESULT - March 28, 2013**  
 Killingly Engineering Associates  
 Northeast District Department of Health

HOLE 1  
 Depth = 22" Rate = 6.7 min./in.

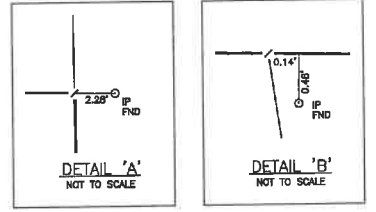
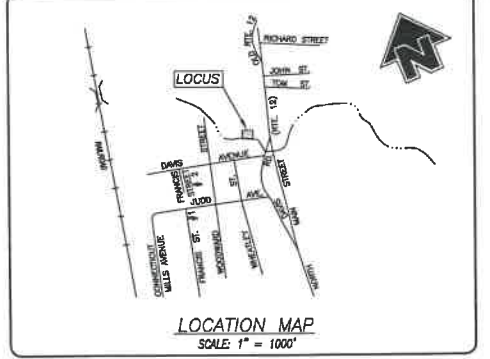
Time	Reading
13:30	1"
12:35	7"
12:40	9"
12:45	11"
12:50	12.25"
12:55	13"
1:00	13.75"
1:05	14.5"

**TEST HOLE DATA - March 28, 2013**  
 Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
1	0" - 9"	Topsoil/organics
	9" - 55"	Red-brown loamy sand
	55" - 66"	Tan sand / boney
	66" - 80"	Tan/white fine sand
		Ledge N/A
		GWT N/A
		Mottling N/A
		Roots throughout
2	0" - 9"	Topsoil/organics
	9" - 33"	Red-brown loamy sand
	33" - 70"	Tan sand / boney
	70" - 89"	Tan/white fine sand
		Ledge N/A
		GWT N/A
		Mottling N/A
		Roots throughout

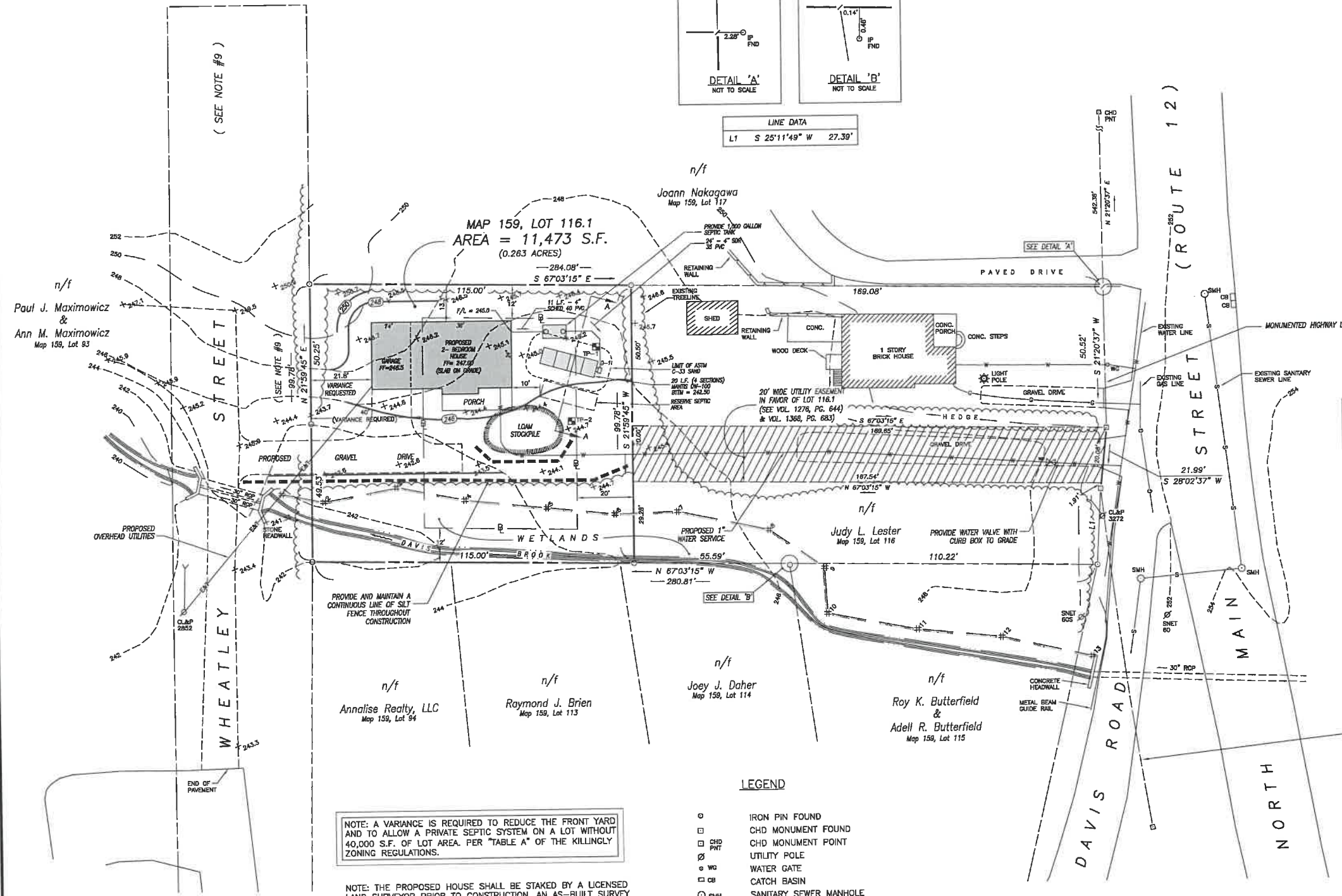
**SEPTIC SYSTEM DESIGN DATA**

Percolation Rate = 6.7 min. / in.  
 2 bedroom house requires = 375 s.f. effective leaching area  
 Effective Leaching area = 20 s.f. / l.f. of Eljen Mantia DW-100  
 Length Required = 375/20 = 18.75 l.f.  
 Length Provided = 20 l.f.  
 Min. Leaching System Spread (MLSS) = Not Applicable  
 MLSS Provided = 20'  
**LEACHING FIELD**  
 One 20' row (4 sections) of Eljen Mantia DW-100 septic leaching units  
 Maximum depth into existing grade = 36" (per Eljen recommendations)



**LINE DATA**

L1	S 25°11'49" W	27.39'
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**SURVEYOR SHALL SET A BENCH MARK IN THE AREA OF THE SEPTIC SYSTEM AT THE TIME OF CONSTRUCTION STAKE-OUT.**

**SEPTIC TANK**  
 1000 GALLON  
 TWO COMPARTMENT  
 F/L IN = 244.50  
 F/L OUT = 244.25  
**DISTRIBUTION BOXES**  
 D-1 (6-HOLE)  
 F/L IN = 243.67  
 F/L OUT = 243.50

L = 123.26'  
 R = 1950.08'  
 D = 3°37'18"  
 CH = S 13°53'10" W  
 123.24'

- NOTES:**
- This survey has 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" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996, Amended October 26, 2018;
    - This survey conforms to a Class "A-2" horizontal accuracy.
    - Survey Type: Improvement Location Survey.
    - Boundary Determination Category: Reurvey
    - Topographic features conform to a Class "T-2", "V-2" vertical accuracy.
  - Zone = MD.
  - Owner of record: Michael A. Shabenas, Jessica O'Brien & Irving & Jeffrey Buehler  
 204 Hartford Pike  
 Killingly, CT 06241  
 (Vol. 1370, Pg. 694)
  - Parcel is shown as Lot #116.1 on Assessors Map #159.
  - Wetlands shown were flagged in the field by Mark H. Sullivan, Soil Scientist, on December 13, 2013.
  - Parcel lies within Flood Hazard Zone 'C' (areas of minimal flooding) as shown on FIRM Map #090138 Panel 00125 Effective Date: Jan. 3, 1985.
  - Elevations shown are based on approximate North American Vertical Datum of 1988. Contours taken from actual field survey. Contour interval = 2'.
  - Before any construction is to commence, contractor shall contact "CALL BEFORE YOU DIG" at 1-800-922-4455 or 811.
  - This portion of Wheatley Street is not an accepted street by the Town of Killingly. It is considered a "Paper Street" and is shown on the 1917 Plat Map of Connecticut Mills Village (see map reference #1). On October 10, 2013 the Killingly Zoning Board of Appeals granted a variance to allow access to and over Wheatley Street Extension and to serve as lot frontage. See volume 1269, page 712 of the Killingly Land Records.

- MAP REFERENCES:**
- "Connecticut Mills Village - Danielson, Connecticut - Scale: 1" = 80' - Date: 1917." on file in the Killingly Land Records as Map 386, Page 84.
  - "Connecticut State Highway Department - Right of Way Map - Town of Killingly - Norwich-Futnam Road from So. Killingly Road Northerly to Richard St. - Route No. 12 - Scale: 1" = 40' Date: Oct. 29, 1937 - Sheet 3 of 3."
  - "Property Survey - Showing Parcel Division - Prepared for - Fidelle Holdings, LTD - 799 North Main Street (Rte. 12) & Wheatley St. Ext. Killingly, Connecticut - Scale: 1" = 20' - Date: 1/21/2014 - Revised to: 2/10/2014 - Prepared by: Killingly Engineering Associates". On file in the Killingly Land Records as Map #5714.

DATE	DESCRIPTION

**IMPROVEMENT LOCATION SURVEY  
 SITE DEVELOPMENT PLAN**  
 PREPARED FOR  
**MICHAEL SHABENAS**  
 254 WHEATLEY STREET  
 KILLINGLY, CONNECTICUT

**Killingly Engineering Associates**  
 Civil Engineering & Surveying  
 114 Westport Road  
 P.O. Box 421  
 Killingly, Connecticut 06241  
 (860) 779-7299  
 www.killingyengineering.com

DATE: 3/30/2023	DRAWN: RGS
SCALE: 1" = 20'	DESIGN: NET
SHEET: 1 OF 2	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 23046

- LEGEND**
- IRON PIN FOUND
  - CHD MONUMENT FOUND
  - CHD MONUMENT POINT
  - UTILITY POLE
  - W/G WATER GATE
  - C/B CATCH BASIN
  - SMH SANITARY SEWER MANHOLE
  - EXISTING SANITARY SEWER LINE
  - EXISTING GAS LINE
  - PROPOSED GAS LINE
  - EXISTING WATER LINE
  - PROPOSED WATER LINE
  - EXISTING CONTOURS
  - PROPOSED CONTOURS
  - INLAND WETLANDS FLAG
  - BUILDING SETBACK LINE
  - SILT FENCE

NOTE: A VARIANCE IS REQUIRED TO REDUCE THE FRONT YARD AND TO ALLOW A PRIVATE SEPTIC SYSTEM ON A LOT WITHOUT 40,000 S.F. OF LOT AREA. PER "TABLE A" OF THE KILLINGLY ZONING REGULATIONS.

NOTE: THE PROPOSED HOUSE SHALL BE STAKED BY A LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. AN AS-BUILT SURVEY SHALL BE PROVIDED TO THE TOWN OF KILLINGLY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

APPROVED BY THE TOWN OF  
 KILLINGLY INLAND WETLANDS COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

ANY CHANGES TO THESE PLANS WITHIN 200' OF WETLANDS OR WATERCOURSES MUST BE RESUBMITTED TO THE KILLINGLY INLAND WETLANDS AND WATERCOURSES COMMISSION FOR ITS APPROVAL.

THE APPLICANT WILL CONTACT THE KILLINGLY INLAND WETLANDS AND WATERCOURSES COMMISSION'S AGENT AFTER ALL EROSION AND SEDIMENT CONTROL MEASURES ARE INSTALLED, PRIOR TO ANY CONSTRUCTION OR EXCAVATION ON THE PROPERTY.



*Norman Thibault, Jr.* 6/20/2023  
 NORMAN THIBAUT, JR., P.E. No. 22834 DATE

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

*Greg A. Glauze* 6/20/2023  
 GREG A. GLAUZE, L.S. LIC. NO. 70191 DATE

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.