

▲ BENCHMARKS: ASSUMED DATUM	ELEV.
#1 NAIL SET IN TREE	112.47
#2 FRONT DOOR THRESHOLD	115.13
#3	

SOILS INFORMATION:

SOIL EVALUATOR: JAMES SCANLAN, P.E.
(SE#2159 - APRIL 1995)
TOWN WITNESS: KENDELL LONGO
DATE: OCTOBER 20, 2014

SOIL PERCOLATION RATE:

P-1: DEPTH TO 12" = 48" SOIL PERC RATE = <2 MIN/IN
P-2: DEPTH TO 12" = 38" SOIL PERC RATE = 5 MIN/IN

SOIL ELEVATIONS:

TEST PIT GRADE	T-1	T-2	T-3	T-4
E.S.H.G.W.	112.2	111.2	113.0	112.3
OBS. G.W.	NONE	NONE	NONE	NONE
BOTTOM PIT	107.2	103.2	105.0	105.0

SOIL PROFILES:

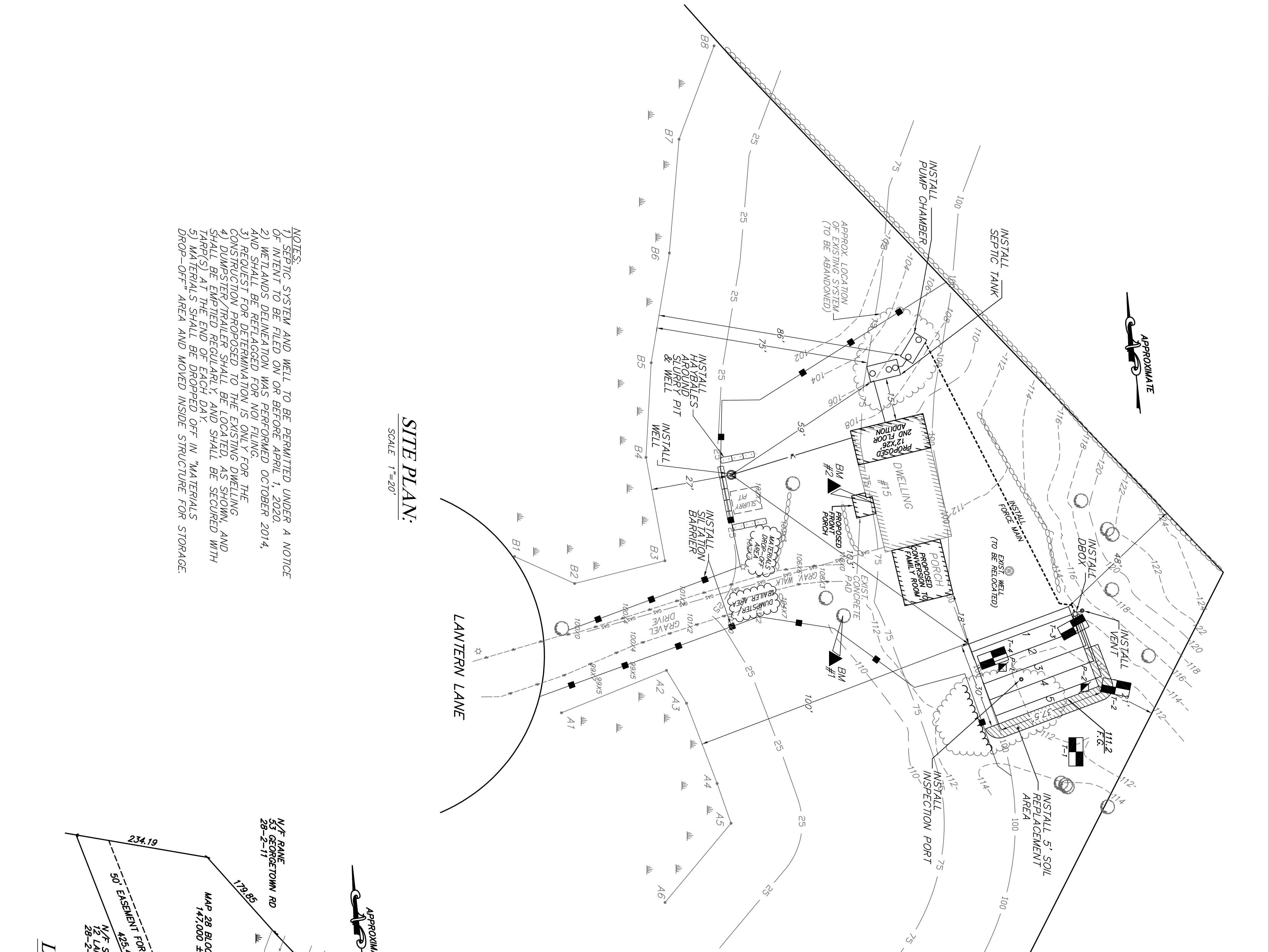
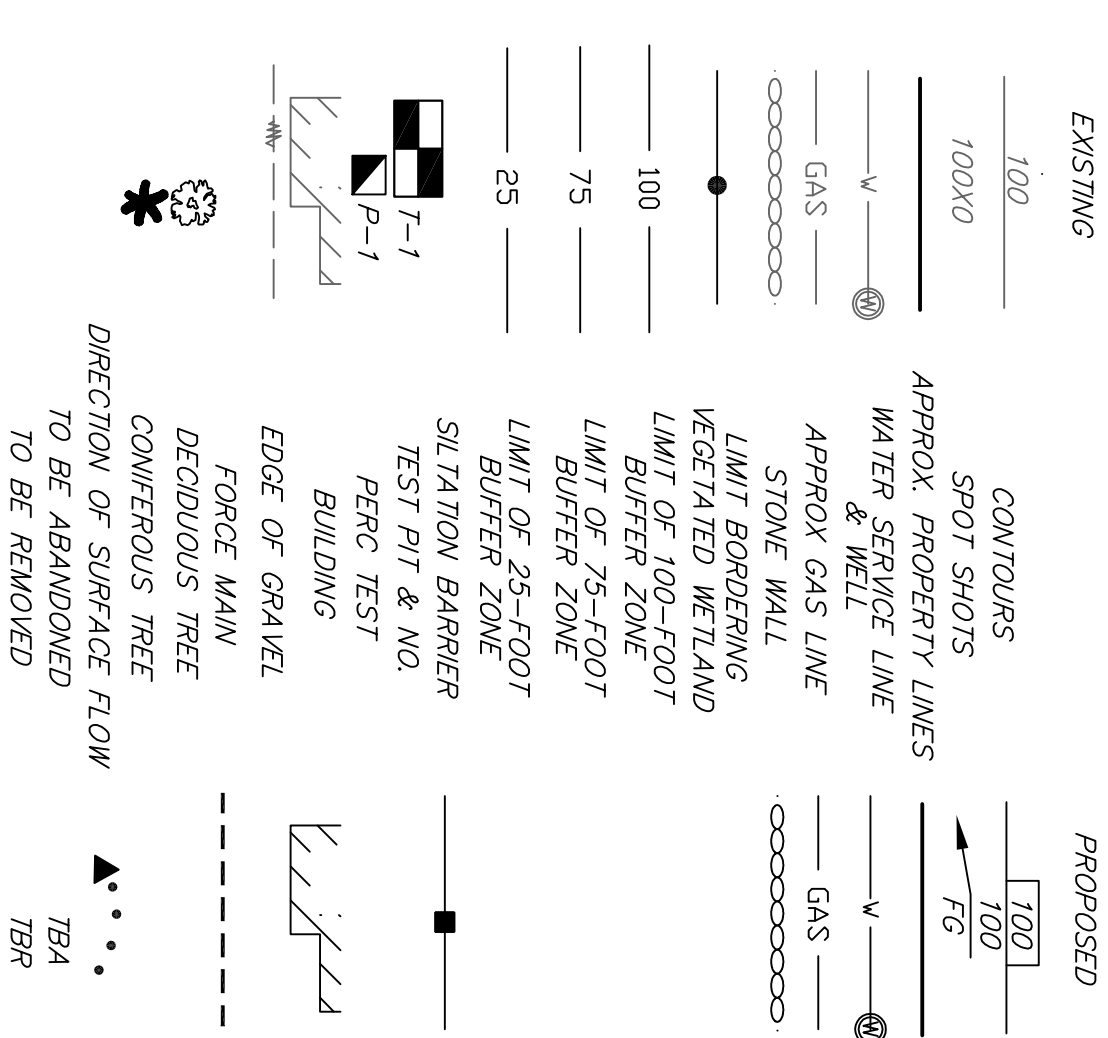
- T-1: 0-12" A FINE SANDY LOAM 10YR3/2 MASSIVE FRAGILE
12-24" B FINE SANDY LOAM 10YR4/6 MASSIVE FRAGILE
24-60" C VERY GRAVELLY LOAMY SAND 2.5Y5/4 SINGLE GRAIN FRAGILE
NO ESHGW @ 60"
- T-2: 0-6" A FINE SANDY LOAM 10YR3/2 MASSIVE FRAGILE
6-24" B FINE SANDY LOAM 10YR4/6 MASSIVE FRAGILE
24-96" C1 LOAMY FINE SAND 2.5Y5/4 MASSIVE FRAGILE
TOUGH DIGGING @96" (NOT REFUSAL)
- T-3: 0-8" A FINE SANDY LOAM 10YR3/2 MASSIVE FRAGILE
8-18" B FINE SANDY LOAM 10YR4/6 MASSIVE FRAGILE
18-48" C1 LOAMY FINE SAND 2.5Y5/4 MASSIVE FRAGILE
48-96" C2 GRAVELLY LOAMY FINE SAND 2.5Y5/3 FRAGILE - COBBLE AND BOULDERS
REFUSAL @ 96" NO ESHGW
- T-4: 0-8" A FINE SANDY LOAM 10YR3/2 MASSIVE FRAGILE
8-16" B FINE SANDY LOAM 10YR4/6 MASSIVE FRAGILE
16-88" C1 VERY GRAVELLY LOAMY SAND 2.5Y5/4 SINGLE GRAIN FRAGILE
NO ESHGW WITH COBBLE AND BOULDERS
TOUGH DIGGING @88" (NOT REFUSAL)

DESIGN CRITERIA:

FACILITY TYPE: SINGLE FAMILY DWELLING
SIZE: 5 BEDROOMS
UNIT FLOW RATE: 110 GAL/BED/DAY
DAILY FLOW: 550 GAL/DAY
GARBAGE GRINDER: YES
(IF YES SYSTEM DESIGN = 150% DAILY FLOW)
SYSTEM DESIGN: 825 GAL/DAY

REQUIRED LEACH AREA: 1,115 SF
(TOWN) 1,115 SF
(STATE) 1,125 SF
PROVIDED LEACH AREA: 1,125 SF
(LEACH AREA: 30' X 37.5' = 1,125 SF)

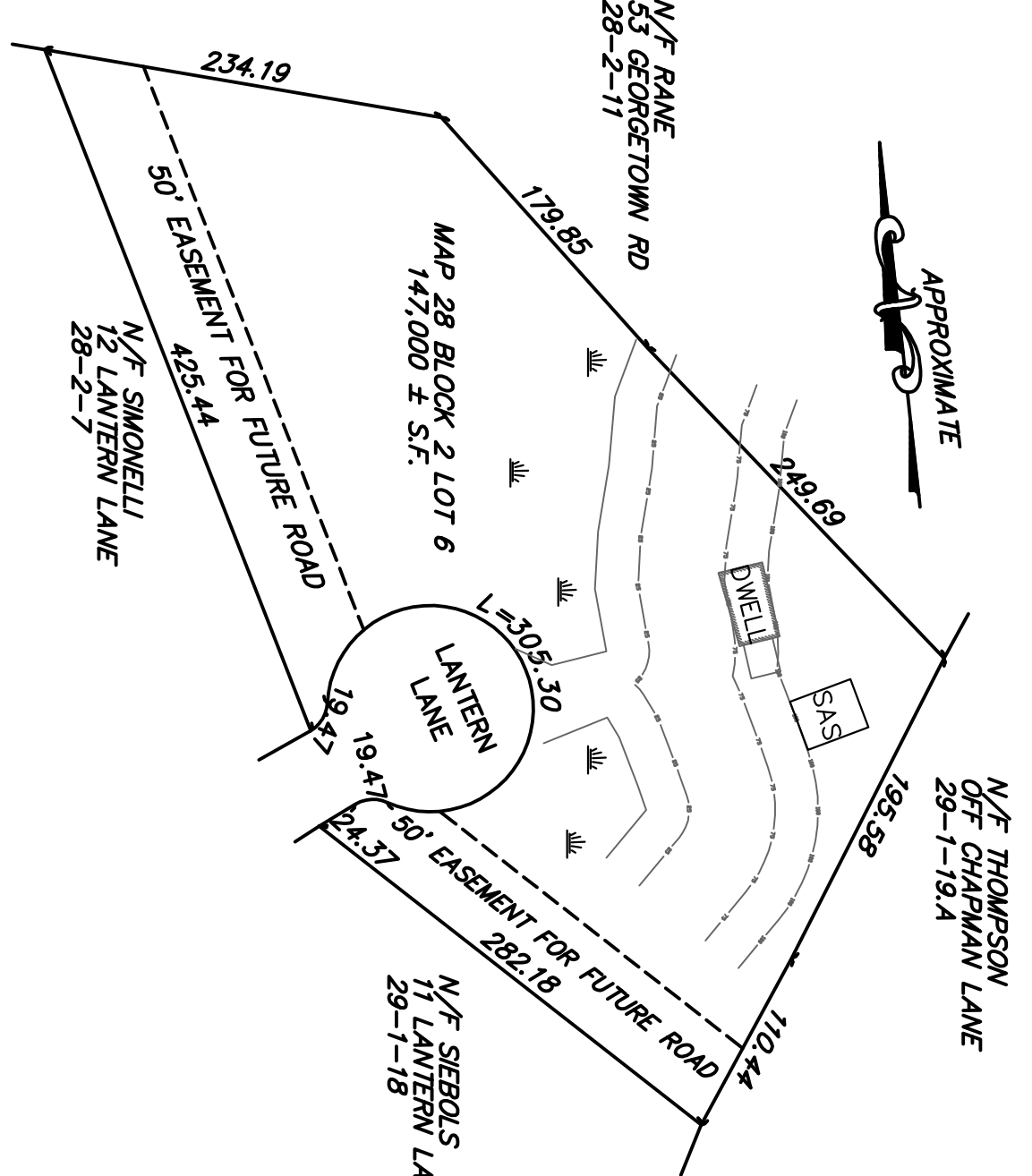
LEGEND:



SITE PLAN:

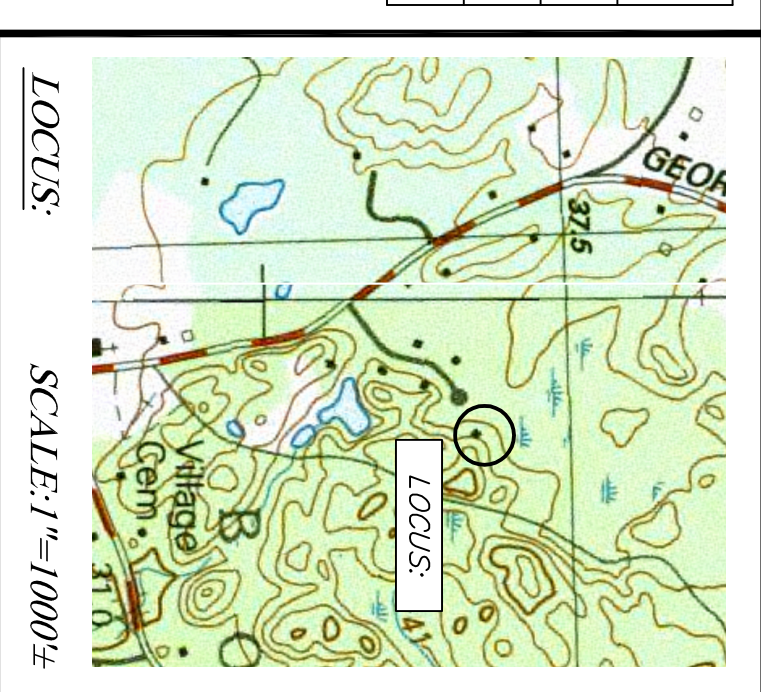
SCALE 1"=20'

- NOTES:**
- 1) SEPTIC SYSTEM AND WELL TO BE PERMITTED UNDER A NOTICE OF INTENT TO BE FILED ON OR BEFORE APRIL 1, 2020.
 - 2) WETLANDS DELINEATION WAS PERFORMED OCTOBER 2014, AND SHALL BE REFLAGGED FOR NOI FILING.
 - 3) REQUEST FOR DETERMINATION IS ONLY FOR THE CONSTRUCTION PROPOSED TO THE EXISTING DWELLING.
 - 4) DUMPSTER/TRAILER SHALL BE LOCATED AS SHOWN, AND SHALL BE EMPTIED REGULARLY, AND SHALL BE SECURED WITH TARP(S) AT THE END OF EACH DAY.
 - 5) MATERIALS SHALL BE DROPPED OFF IN "MATERIALS DROP-OFF" AREA AND MOVED INSIDE STRUCTURE FOR STORAGE.



LOCUS PLAN:

SCALE 1"=100'



SITE PLAN TO ACCOMPANY A REQUEST FOR DETERMINATION OF APPLICABILITY

15 LANTERN LANE
BOXFORD, MA

REGISTRY INFORMATION:

DEED: BOOK NO.: 38101
PAGE NO.: 533

ASSESSORS INFORMATION:

MAP: 28
BLOCK: 02
LOT: 06

PREPARED FOR:

HOLLY BALDASSARE
3 WILDWOOD ROAD
DANVERS, MA



PHONE: (978) 372-3440
FAX: (978) 891-3888
EMAIL: info@scanlanengineering.com
WEB: www.scanlanengineering.com

PLAN & FLOW PROFILE

SHEET 1 OF 1	SCALE: 1"=20'
PROJECT #	1005