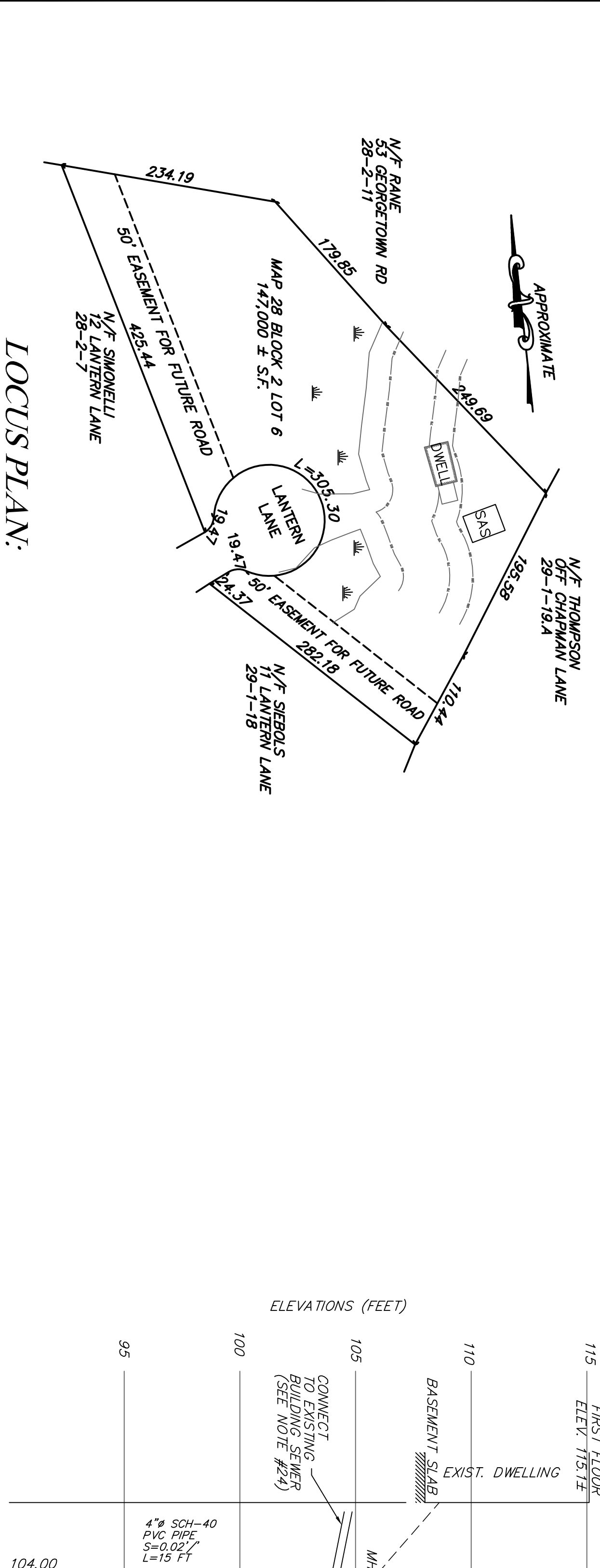


SITE PLAN:
SCALE 1"=20'



FLOW PROFILE:
SCALE 1"=20' HORIZONTAL
1"=4' VERTICAL

BENCHMARKS: ASSUMED DATUM

#	DESCRIPTION	ELEV.
#1	MAIL 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 WINNESS: KENDALL LONGO
DATE: OCTOBER 20, 2014

I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL AFFAIRS AS A LICENSED PROFESSIONAL ENGINEER. THE ABOVE ANALYSIS WAS PERFORMED BY ME OR UNDER MY SUPERVISION AND I AM ACCURATE AND IN ACCORDANCE WITH 310CMR 15.00 THROUGH 15.10.

SIGNATURE: _____ DATE: _____

LEGEND:

- EXISTING**
- 100X10
 - APPROX. PROPERTY LINES
 - WATER SERVICE LINE
 - APPROX. GAS LINE
 - STONE WALL
 - LIMIT BORDERING VEGETATED WETLAND
 - LIMIT OF 100'-FOOT BUFFER ZONE
 - LIMIT OF 75'-FOOT BUFFER ZONE
 - LIMIT OF 25'-FOOT BUFFER ZONE
 - SILTATION BARRIER
 - TEST PIT & NO.
 - PERC TEST BUILDING
 - EDGE OF GRAVEL FORCE MAIN
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - DIRECTION OF SURFACE FLOW TO BE ABANDONED
- PROPOSED**
- 100
 - SPOT SHOTS
 - APPROX. PROPERTY LINES
 - WATER SERVICE LINE
 - APPROX. GAS LINE
 - STONE WALL
 - LIMIT BORDERING VEGETATED WETLAND
 - LIMIT OF 100'-FOOT BUFFER ZONE
 - LIMIT OF 75'-FOOT BUFFER ZONE
 - LIMIT OF 25'-FOOT BUFFER ZONE
 - SILTATION BARRIER
 - TEST PIT & NO.
 - PERC TEST BUILDING
 - EDGE OF GRAVEL FORCE MAIN
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - DIRECTION OF SURFACE FLOW TO BE ABANDONED

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	T-1	T-2	T-3	T-4
GRADE	112.2	111.2	113.0	112.3
E.S.H.G.W.	NONE	NONE	NONE	NONE
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 FRIBLE
12-24" B FINE SANDY LOAM 10YR4/6 MASSIVE FRIBLE
24-60" C VERY GRAVELLY LOAMY SAND 2.5Y/3.4 SINGLE GRAIN FRIBLE
NO ESHGW
- T-2: 0-6" A FINE SANDY LOAM 10YR3/2 MASSIVE FRIBLE
6-24" B FINE SANDY LOAM 10YR4/6 MASSIVE FRIBLE
24-96" C1 LOAMY FINE SAND 2.5Y/3.4 MASSIVE FRIBLE
TOUGH DIGGING @96" (NOT REFUSAL)
- T-3: 0-9" A FINE SANDY LOAM 10YR3/2 MASSIVE FRIBLE
9-18" B FINE SANDY LOAM 10YR4/6 MASSIVE FRIBLE
18-48" C1 LOAMY FINE SAND 2.5Y/3.4 MASSIVE FRIBLE
48-96" C2 GRAVELLY LOAMY FINE SAND 2.5Y/3.4 COBBLE AND BOULDERS REFUSAL @ 96"
NO ESHGW
- T-4: 0-8" A FINE SANDY LOAM 10YR3/2 MASSIVE FRIBLE
8-16" B FINE SANDY LOAM 10YR4/6 MASSIVE FRIBLE
16-88" C1 VERY GRAVELLY LOAMY SAND 2.5Y/3.4 SINGLE GRAIN FRIBLE
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

SOILS CLASS: CLASS 1
LONG PERM: 5 MIN./INCH
ACCEPTANCE RATE: 0.74 GAL./SF/DAY
REQUIRED LEACH AREA: 1,115 SF
(TOWN)
PROVIDED LEACH AREA: 1,125 SF
(LEACH AREA: 30 X 37.5' = 1,125 SF)



SITE PLAN TO ACCOMPANY A NOTICE OF INTENT

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

#	BY	DATE	REVISIONS TO PLANS

DATE: MARCH 29, 2020
DESIGN BY: JES
DRAWN BY: JES

PLAN & FLOW PROFILE

SHEET 1 OF 2 SCALE: 1"=20'
PROJECT # 1005