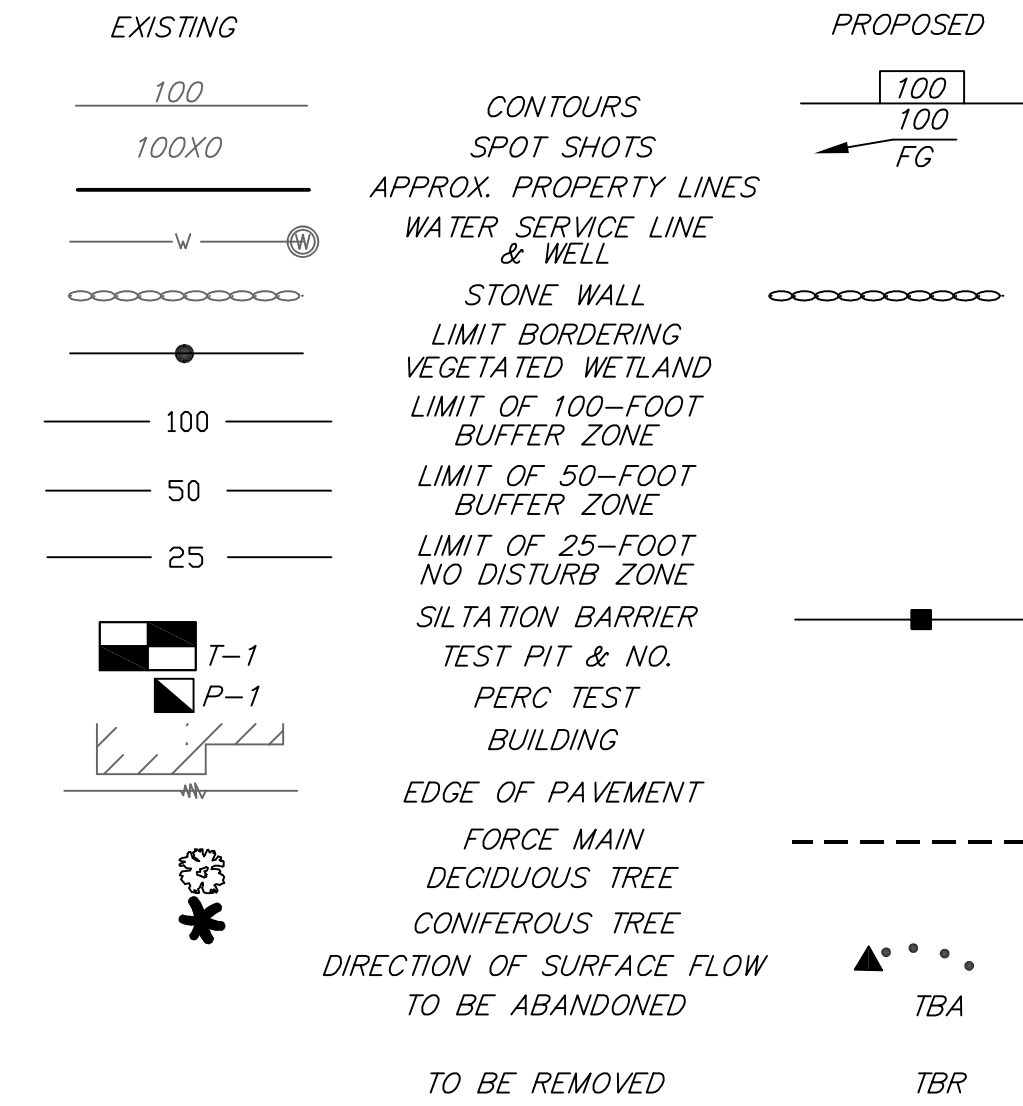


LEGEND:



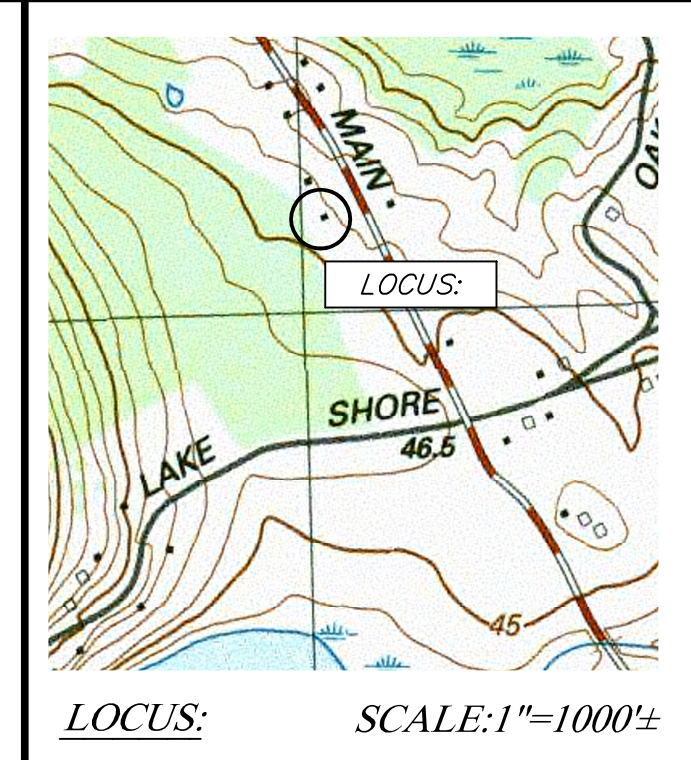
VARIANCES/WAIVERS:

REGULATIONS:
310CMR15.227(5)
310CMR15.104(4)

REQUIRED:
LOCATE SEPTIC TANK AND PUMP CHAMBER INLET & OUTLET INVERTS, 12" ABOVE ESHGW
PERCOLATION TEST REQUIRED IN LEACH AREA

PROVIDED:
TANK INVERTS BELOW ESHGW INSTALLED W/ RUBBER BOOTS
SOIL ANALYSIS (PENNSYLVANIA STATE UNIVERSITY SOILS LAB)

BENCHMARKS: ASSUMED DATUM	ELEV.
#1 TOP OF WELL	100.09
#2 TOP CORNER BULKHEAD CONC BASE	102.24
#3	



SUBSURFACE SEWAGE DISPOSAL SYSTEM UPGRADE

702 MAIN STREET
BOXFORD, MA

PLAN INTENT:

THIS PLAN IS INTENDED ONLY FOR THE CONSTRUCTION OF A SEPTIC SYSTEM TO SERVE THE SITE. NO OTHER USE OF THIS PLAN IS AUTHORIZED.

DESIGN CRITERIA:

FACILITY TYPE: SINGLE FAMILY DWELLING
SIZE: 3 BEDROOMS
UNIT FLOW RATE: 110 GAL/BED/DAY
DAILY FLOW: 330* GAL/DAY
GARBAGE GRINDER: NO*
SYSTEM DESIGN: 495 GAL/DAY

SOILS CLASS: CLASS II
SOIL PERC RATE: SOIL ANALYSIS
LONG TERM ACCEPTANCE RATE: 0.33 GAL/SF/DAY
REQUIRED LEACH AREA: 1500 SF (TOWN)
PROVIDED LEACH AREA: 1500 SF (STATE)
ALL SYSTEMS TO BE DESIGNED FOR A GARBAGE GRINDER

REGISTRY INFORMATION:

DEED:
BOOK NO.: 40272
PAGE NO.: 155

ASSESSORS INFORMATION:

MAP: 5
BLOCK: 2
LOT: 20

PREPARED FOR:

LEGACY-NORTH PROPERTIES INC
4 ASHBURY LANE
ANDOVER MA 01810



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

SOILS INFORMATION:

SOIL EVALUATOR: JAMES SCANLAN, P.E.
(SE#2159 - APRIL 1995)
TOWN WITNESS: KENDELL LONGO
DATE: 11/18/21

SOIL PERCOLATION RATE:
SOIL ANALYSIS BY PENN STATE SOILS LAB
(2) SAMPLES DETERMINED TO BE SANDY LOAM (CLASS II)

SOIL ELEVATIONS:

TESTPIT	T-1	T-2
GRADE	100.9	101.5
E.S.H.G.W.	99.4	100.0
OBS. G.W.	98.9	99.5
BOTTOM PIT	94.6	95.3

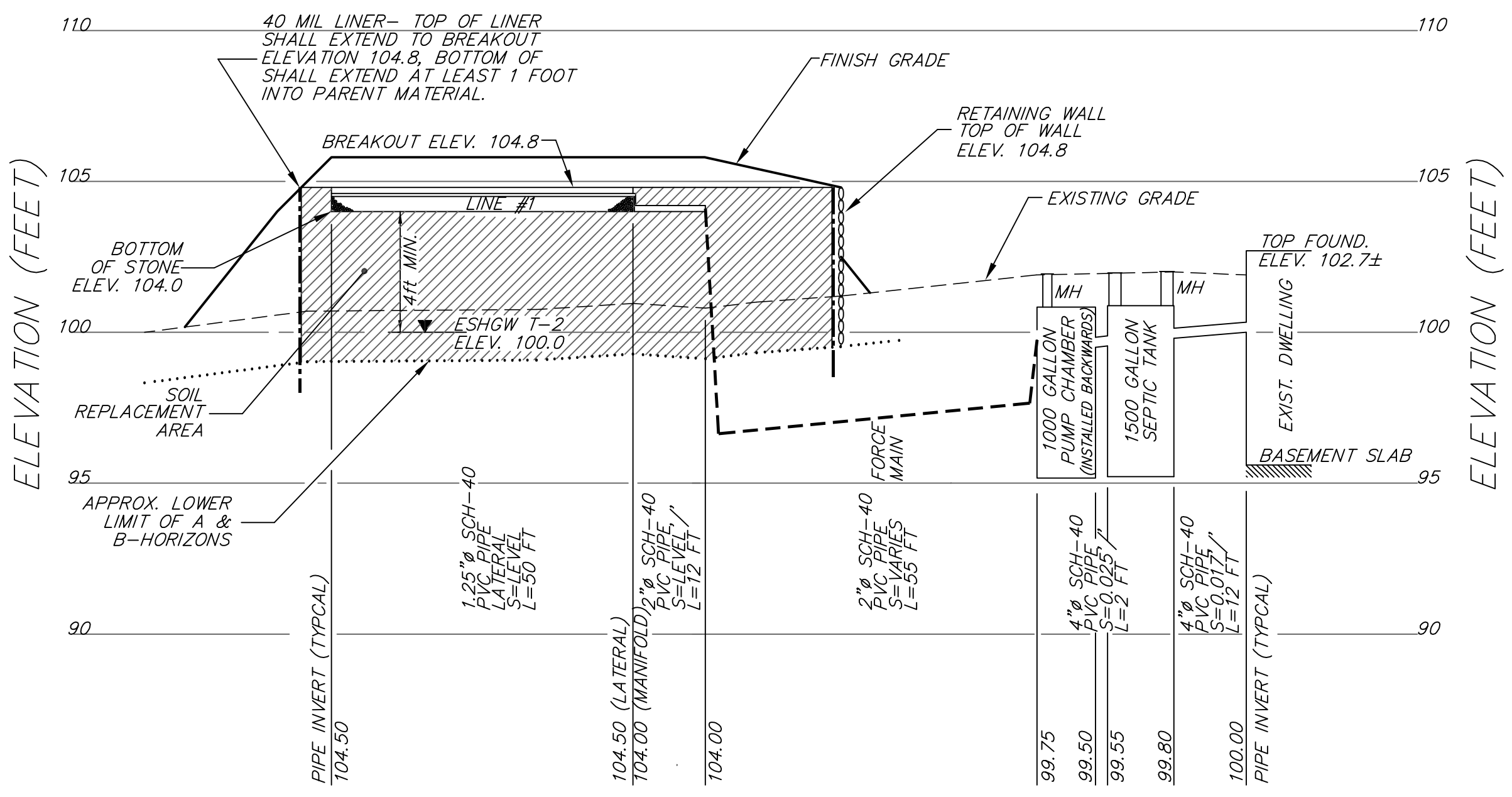
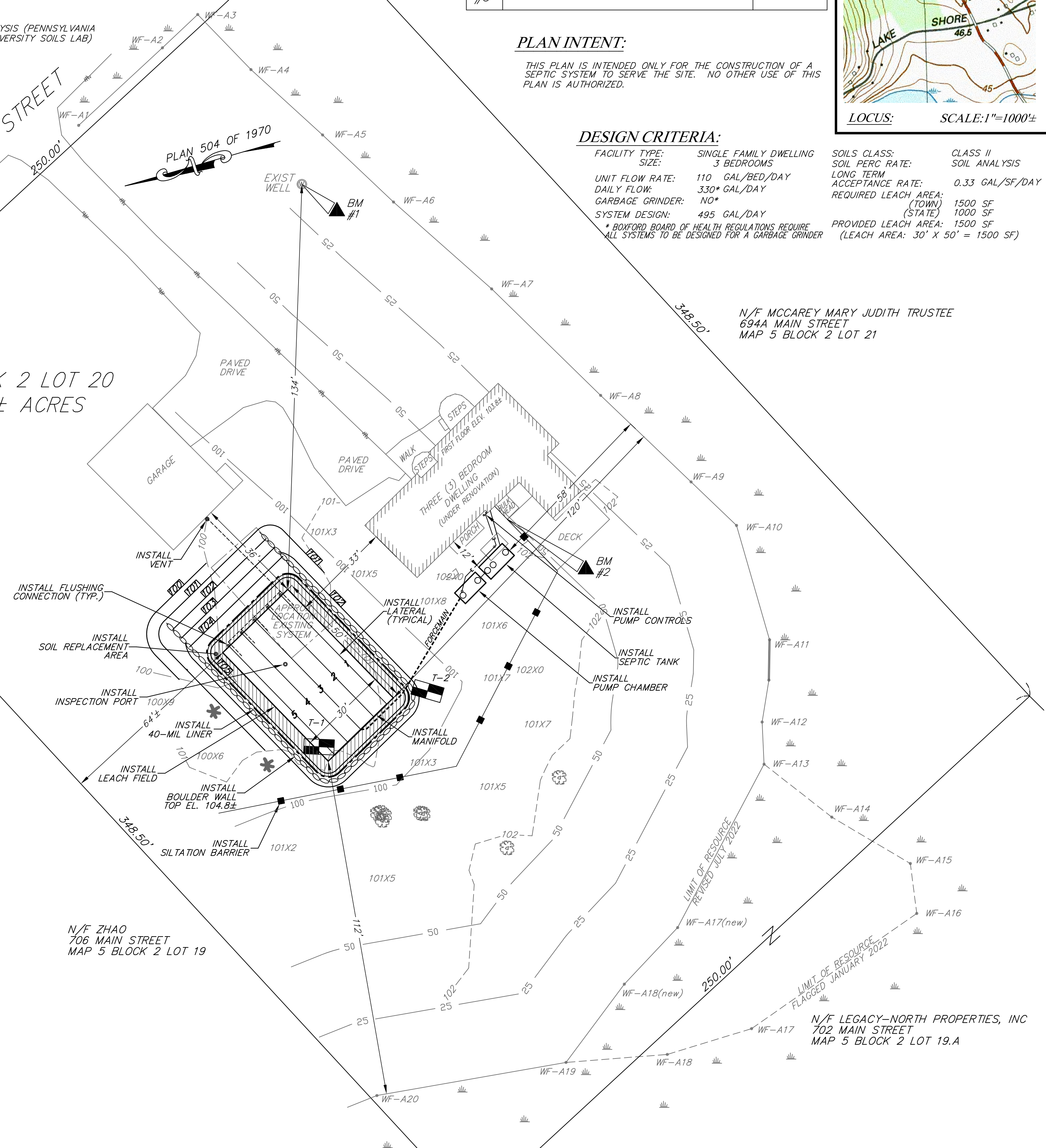
I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 310CMR15.017 TO CONDUCT SOIL EVALUATIONS AND THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE AND EXPERIENCE DESCRIBED IN 310CMR15.017. I FURTHER CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED IN THE ATTACHED SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE WITH 310CMR 15.100 THROUGH 15.107.

SOIL PROFILES:

T-1:
0-10" Ap FINE SANDY LOAM 10YR2/2 GRANULAR FRIABLE
10-18" Bw FINE SANDY LOAM 10YR4/3 MASSIVE FRIABLE
18-28" C1 LOAMY MED/FINE SAND 2.5Y4/4 MASSIVE FRIABLE
28-76" C2 SANDY LOAM 2.5Y5/4 MASSIVE FRIABLE/FIRM
SAMPLE TAKEN FROM C-2
ESHGW @ 18" (C1-7.5YR5/8, 2.5Y6/2 C2-7.5YR5/8, 5Y5/2), WEEP @ 24"

T-2:
0-12" Ap FINE SANDY LOAM 10YR2/2 GRANULAR FRIABLE
12-20" Bw FINE SANDY LOAM 10YR4/3 MASSIVE FRIABLE
20-74" C1 SANDY LOAM 2.5Y5/4 MASSIVE FRIABLE
SAMPLE TAKEN FROM C-1
ESHGW @ 18" (C1-7.5YR5/8, 5Y5/2), WEEP @ 24", ROOTS TO 16"

MAP 5 BLOCK 2 LOT 20
AREA=4.0± ACRES



FLOW PROFILE:

SCALE 1"=20' HORIZONTAL
1"=4' VERTICAL

SITE PLAN:

SCALE 1"=20'

1	JBS	7/18/22	CONSERVATION FILING
#	BY	DATE	REVISIONS TO PLANS
DATE: JANUARY 26, 2022			
DESIGN BY: JBS			
DRAWN BY: JBS			

PLAN & FLOW PROFILE