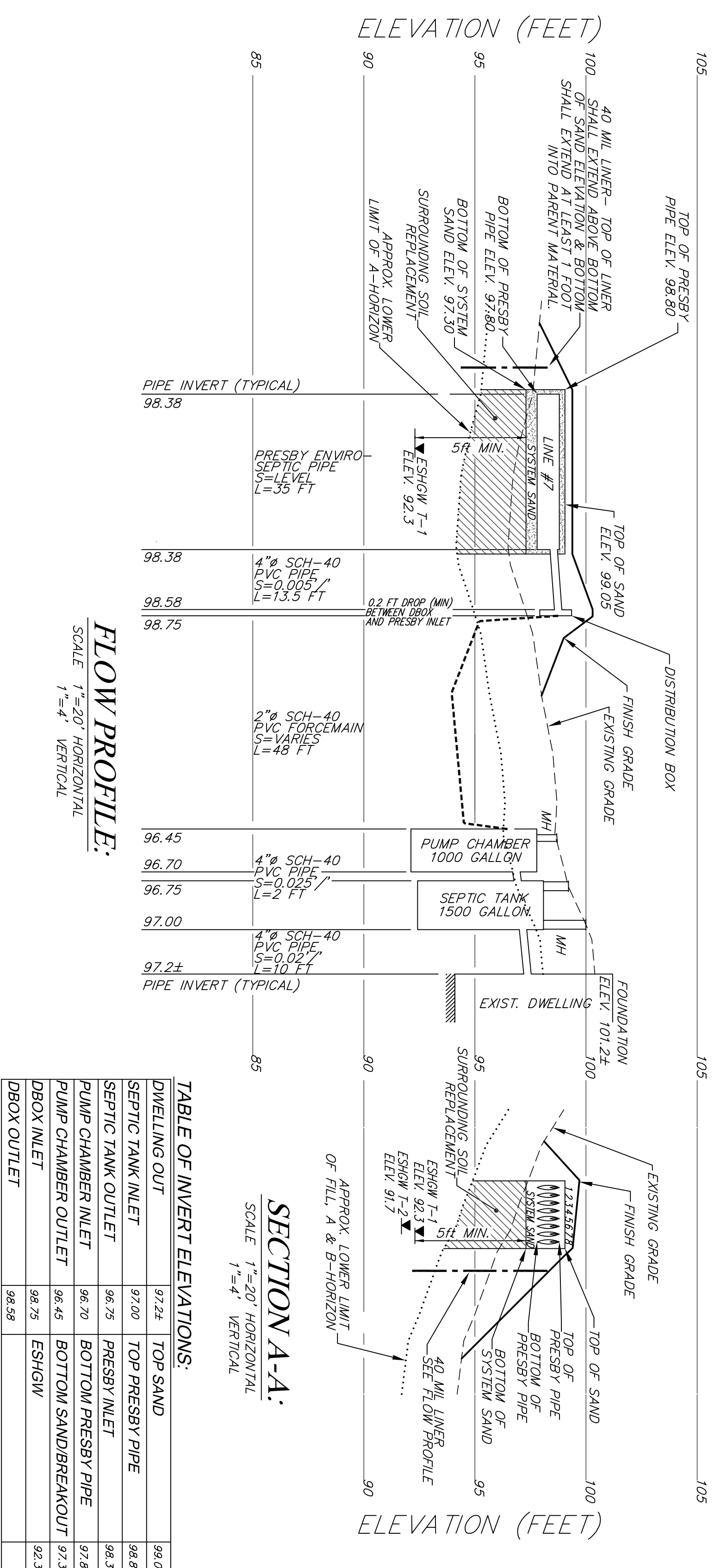


SITE PLAN.
SCALE 1"=20'



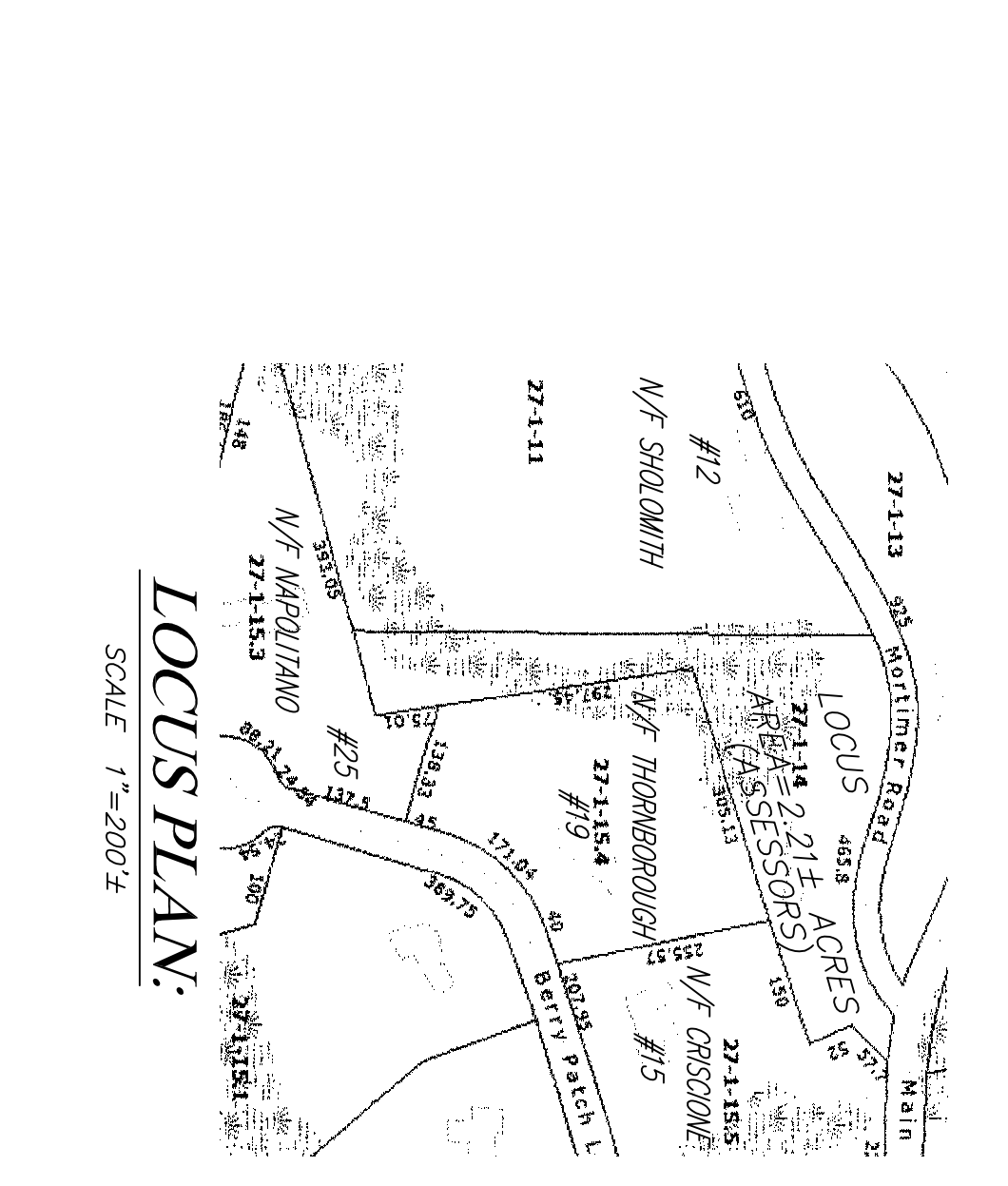
FLOW PROFILE.
SCALE 1"=20' HORIZONTAL
1"=4' VERTICAL

TABLE OF INVERT ELEVATIONS:

DWELLING OUT	97.24	TOP SAND	99.05
SEPTIC TANK INLET	97.00	TOP PRESBY PIPE	96.80
SEPTIC TANK OUTLET	96.75	PRESBY INLET	96.38
PUMP CHAMBER INLET	96.70	BOTTOM PRESBY PIPE	97.80
PUMP CHAMBER OUTLET	96.45	BOTTOM SAND/BREAKOUT	97.30
DBOX INLET	96.75	ESHGW	92.30
DBOX OUTLET	98.25		

PLAN & FLOW PROFILE

DATE:	MAY 13, 2022
DESIGN BY:	JBS
DRAWN BY:	JBS
# BY DATE REVISIONS TO PLANS	
SHEET 1 OF 2	SCALE: 1"=20'
PROJECT #	1120



LOCUS PLAN.
SCALE 1"=200'

DESIGN CRITERIA:
FACILITY TYPE: SINGLE FAMILY DWELLING
UNIT FLOW RATE: 165 GAL/BED/DAY
DAILY FLOW: 660 GAL/DAY
GARAGE GRINDER: NO
SYSTEM DESIGN: 660 GAL/DAY
DESIGNS TO INCLUDE A GARAGE GRINDER

VARIANCES/WAIVERS:
REQUIRED:
150 FT SEPARATION BETWEEN SAS AND WETLANDS (PERCS-5 MP)
100 FT SEPARATION BETWEEN SAS AND WETLANDS (PERCS-5 MP)
150 FT SEPARATION BETWEEN SAS AND WELLS (PERCS-5 MP)
PROVIDED:
71 FEET
71 FEET
>110 FEET TO WELL SERVING LOCUS

SOIL PERCOLATION RATE:
P-1: DEPTH TO 12"=30" SOIL PERC RATE= <2 MIN/IN
SOIL ELEVATIONS:
TEST PIT T-1 96.3
GRADE 96.5
E.S.H.G.W. 92.3
OBS. G.W. 91.0
BOTTOM PIT 89.6

SOIL PROFILES:
T-1:
0-28" FILL GRAVELLY LOAMY SAND 2.5% S&G
28-80" C1 STANDING @ 64" NO REFUSAL
ESHGW @ 48"
T-2:
0-15" A FINE SANDY LOAM 10% R3/2 GRANULAR FRAGILE
15-26" B GRAVELLY LOAMY SAND 10% R4/6 MASSIVE FRAGILE
26-80" C1 GRAVELLY COARSE SAND 2.5% S&G SINGLE GRAIN LOOSE
ESHGW @ 38" STANDING @ 72" NO REFUSAL

LEGEND:
EXISTING
100X0
APPROX. PROPERTY LINES
WATER & WELL
LIMIT BORROWING
VEGETATED WETLAND
TOP OF BANK
LIMIT OF 100-FOOT BUFFER ZONE
LIMIT OF 50-FOOT BUFFER ZONE
SILTATION BARRIER
TEST PIT & NO. PERC TEST
BUILDING
EDGE OF PAVEMENT
FORCE MAIN
DECIDUOUS TREE
CONIFEROUS TREE
DIRECTION OF SURFACE FLOW TO BE ABANDONED TO BE REMOVED

OWNER:
JONATHAN GRAHAM
4 MORTIMER ROAD
BOXFORD, MA 01921

LEGEND:
PROPOSED
100
100
75

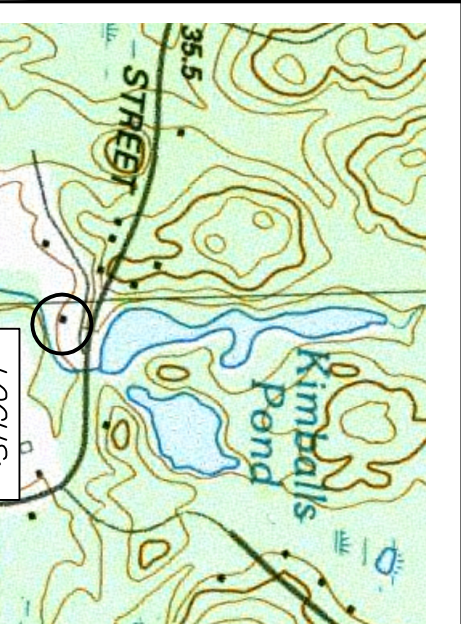
PLAN INTENT:
THIS PLAN IS INTENDED ONLY FOR THE CONSTRUCTION OF A SEPTIC SYSTEM TO SERVE THE SITE. NO OTHER USE OF THIS PLAN IS AUTHORIZED.

SOILS INFORMATION:
SOIL EVALUATOR: JAMES SCANLAN, P.E. (SE#2159 - APRIL 1995)
TOWN WITNESS: KENDELL LONGO
DATE: 4/20/2022

I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 802CMR 07.00 TO CONDUCT SOIL EVALUATIONS AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME OR UNDER MY SUPERVISION AND THAT THE RESULTS OF THE ANALYSIS ARE ACCURATE AND IN ACCORDANCE WITH 802CMR 07.00.

SIGNATURE: _____ DATE: _____

▲ BENCHMARKS: ASSUMED DATUM	ELEV.
#1 NAIL IN PAVEMENT	100.85
#2 TOP OF WELL	101.60



SUBSURFACE SEWAGE DISPOSAL SYSTEM UPGRADE
4 MORTIMER ROAD
BOXFORD, MA 01921

REGISTRY INFORMATION:
DEED:
BOOK NO.: 36506
PAGE NO.: 255

ASSESSORS INFORMATION:
MAP: 27
BLOCK: 1
LOT: 14

PREPARED FOR:
JONATHAN GRAHAM &
JOCELYN GRAHAM
4 MORTIMER ROAD
BOXFORD, MA 01921

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