

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	SOIL CLASS:	CLASS 1
UNIT FLOW RATE:	330 GAL/BE/DAY	SOIL PERC RATE:	15 MIN/INCH
DAILY FLOW:	330 GAL/DAY	ACCUMULATION RATE:	0.56 GAL/SF/DAY
GARBAGE GRINDER:	NO		
SYSTEM DESIGN:	330 GAL/DAY	REQUIRED LEACH AREA:	590 SF
		(5' DIA) LEACH AREA:	590 SF
		PROVIDED LEACH AREA:	605 SF
		(LEACH AREA: 4.73 SF/DF X 128' = 605 SF)	

SOILS INFORMATION:

SOIL EVALUATOR: JAMES M. KAWANAUGH
(SE#13253)
TOWN WITNESS: LEO CORNBERG
DATE: APRIL 2, 2019

I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 30CMR15.07 TO CONDUCT SOIL EVALUATIONS AND THE THEORETICAL AND EXPERIENCE DESCRIBED IN 310CMR15.07. 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.

SIGNATURE: _____ ON FILE AT BOARD OF HEALTH DATE: _____

SOIL PERCOLATION RATE:
P-1: DEPTH TO 12" = 20" SOIL PERC RATE = 12 MIN/IN

SOIL ELEVATIONS:

TEST PIT	T-1	T-2	T-3
GRADE	97.79	98.08	101.48
FSHG.W.	96.29	96.08	98.79
OBS. G.W.	91.46	91.39	94.81
BOTTOM PIT	89.04	96.04	94.79

VARIANCES/WAIVERS:

REGULATION:
310CMR15.102(2)

REQUIRED:
A MINIMUM OF TWO DEEP HOLE OBSERVATIONS SHALL BE PERFORMED IN THE PRESENCE OF THE APPROVING AUTHORITY

PROVIDED:
ONE DEEP HOLE IN PRIMARY AREA

20 FT SETBACK BETWEEN SAS AND CELLAR WALL
10 FT SETBACK BETWEEN SAS AND PROPERTY LINE
10 FT SETBACK BETWEEN SEPTIC TANK AND CELLAR WALL
10 FT SETBACK BETWEEN SEPTIC TANK AND PROPERTY LINE
200 FT SETBACK BETWEEN SAS AND TRIBUTARY TO RESERVOIR
200 FT SETBACK BETWEEN SEPTIC TANK AND TRIBUTARY TO RESERVOIR
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▲	BENCHMARK: NAVD 1988	ELEV.
#1	NAIL IN TREE	100.31
#2		
#3		

SOIL PROFILES:

T-1:
0-18" FILL FINE SANDY LOAM 10YR2/1
18-27" A₁ SILT LOAM 10YR6/1
27-105" C LOAMY SAND 2.5YR/6
OBSERVED GW @ 78"
ESHW @ 19"

T-2:
0-24" FILL FINE SANDY LOAM 10YR2/1
24-30" A₁ SILT LOAM 10YR6/1
30-48" C COARSE SAND 2.5YR/6
OBSERVED GW @ 80"
ESHW @ 24"

T-3:
0-7" A₁ FINE SANDY LOAM 10YR2/1
7-22" B FINE SANDY LOAM 10YR6/8
22-80" C LOAMY SAND 2.5YR/2
OBSERVED GW @ 78"
ESHW @ 19"



SUBSURFACE SEWAGE DISPOSAL SYSTEM UPGRADE
45 LAKEVIEW AVENUE
LYNNFIELD MA

REGISTRY INFORMATION:
DEED:
DOC. NO.: 598183
CERT. NO.: 92133

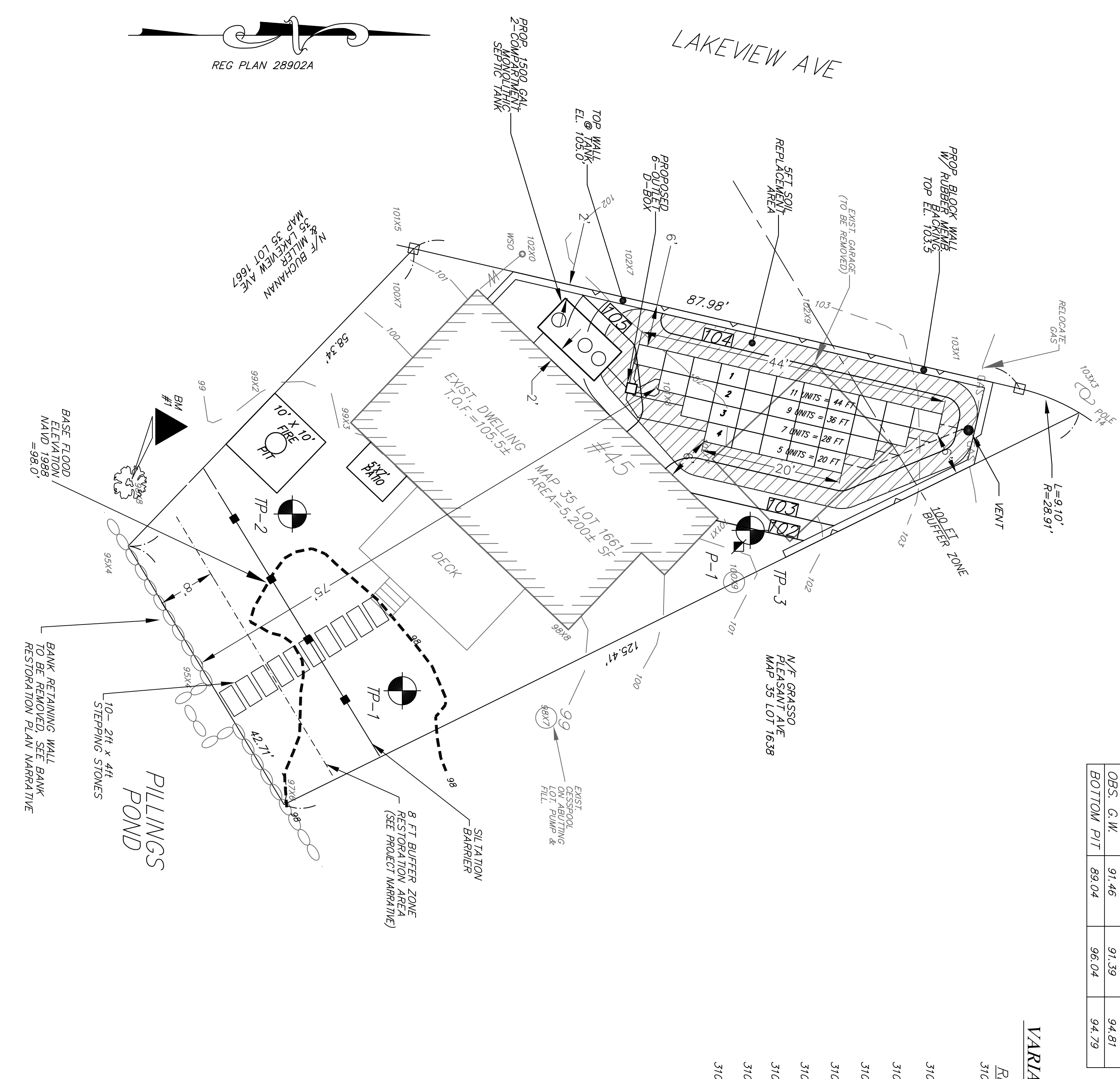
ASSESSORS INFORMATION:
MAP: 35
BLOCK: ---
LOT: 1661

PREPARED FOR:
DEPRTAS FAMILY TRUST
21 LAKEVIEW AVE
LYNNFIELD MA

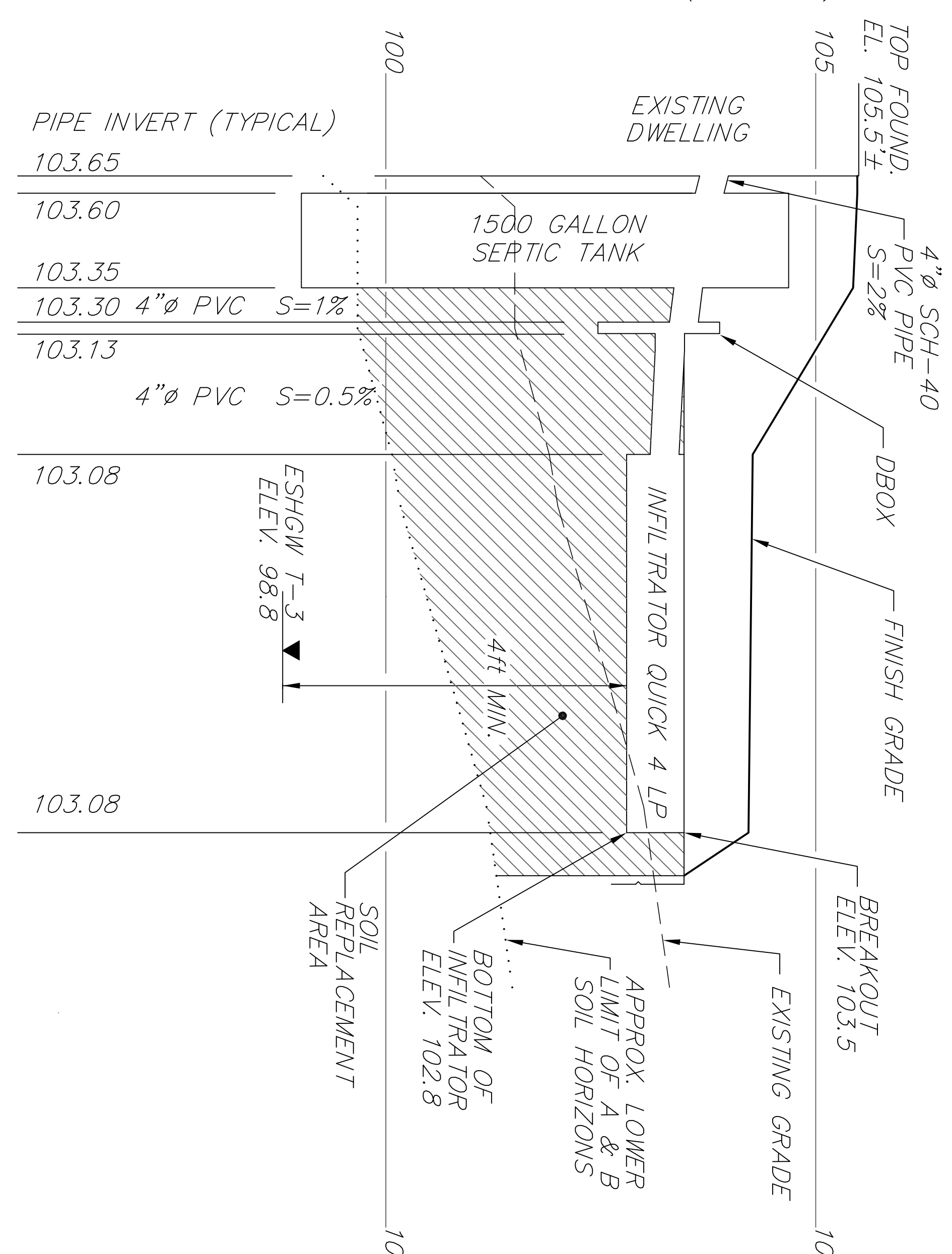
PREPARED BY:
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PLAN & FLOW PROFILE

SHEET 1 OF 2 SCALE: 1" = 10'
PROJECT #



ELEVATION (FEET)



FLOW PROFILE:

SCALE 1" = 10' HORIZONTAL
1" = 2' VERTICAL

