

BENCHMARKS: ASSUMED DATUM	ELEV.
#1 NAIL IN TREE	101.62
#2 MAGNAIL IN PAVEMENT	84.18
#3	

DESIGN CRITERIA:

FACTORY TYPE:	CLASS 1
SINGLE FAMILY DWELLING	3 MIN/INCH
4 BEDROOMS	0.74 GAL/SF/DAY
UNIT FLOW RATE: 110 GAL/BED/DAY	
DAILY FLOW: 440 GAL/DAY	
GARBAGE GRINDER: YES	
(P)TES SYSTEM DESIGN = 1508 GALL Y FLOW	
SYSTEM DESIGN: 660 GAL/DAY	

REQUIRED LEACH AREA: 892 SF
(5 TRENCHES)
PROVIDED LEACH AREA: 903 SF
(3 TRENCHES 2'0" X 3'0" X 43'L = 903 SF)

VARIANCES/WAIVERS:

LOCAL WAIVERS:	REQUIRED:	PROVIDED:
TOWN OF BOXFORD REGULATION 201-9(0)	150 FT WITH PERC RATE LESS THAN 5 MIN/IN	107 FT

SOILS INFORMATION:

SOIL EVALUATOR: JAMES SCANLAN, P.E.
(SE#2159 - APRIL 1995)
TOWN WITNESS: KENDALL LONGO
DATE: AUGUST 5, 2014

I CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MASSACHUSETTS AND THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THE RESULTS OF MY SOIL PERCOLATION TESTS AND THE ATTACHED SOIL PROFILES ARE ACCURATE AND IN ACCORDANCE WITH 310CMR 15.100 THROUGH 15.107.

SIGNATURE: _____ DATE: _____

LEGEND:

- EXISTING
- 100
- 100X0
- APPROX. PROPERTY LINES
- WATER SERVICE LINE
- LIMIT BORDERING VEGETATED WETLAND
- LIMIT OF 100-FOOT BUFFER ZONE
- LIMIT OF 200-FOOT RIVERFRONT AREA
- RIVERFRONT BARRIER
- TEST PIT & NO.
- PERC TEST BUILDING
- EDGE OF PAVEMENT
- DECIDUOUS TREE
- CONIFEROUS TREE
- APPROXIMATE TREELINE TO BE ABANDONED TO BE REMOVED
- TBR
- TBR
- 105

SOIL PERCOLATION RATE:

P-1: DEPTH TO 12" = 8" SOIL PERC RATE = 3 MIN/IN

P-2: C-HORIZON SOILS SOIL PERC RATE = <2 MIN/IN

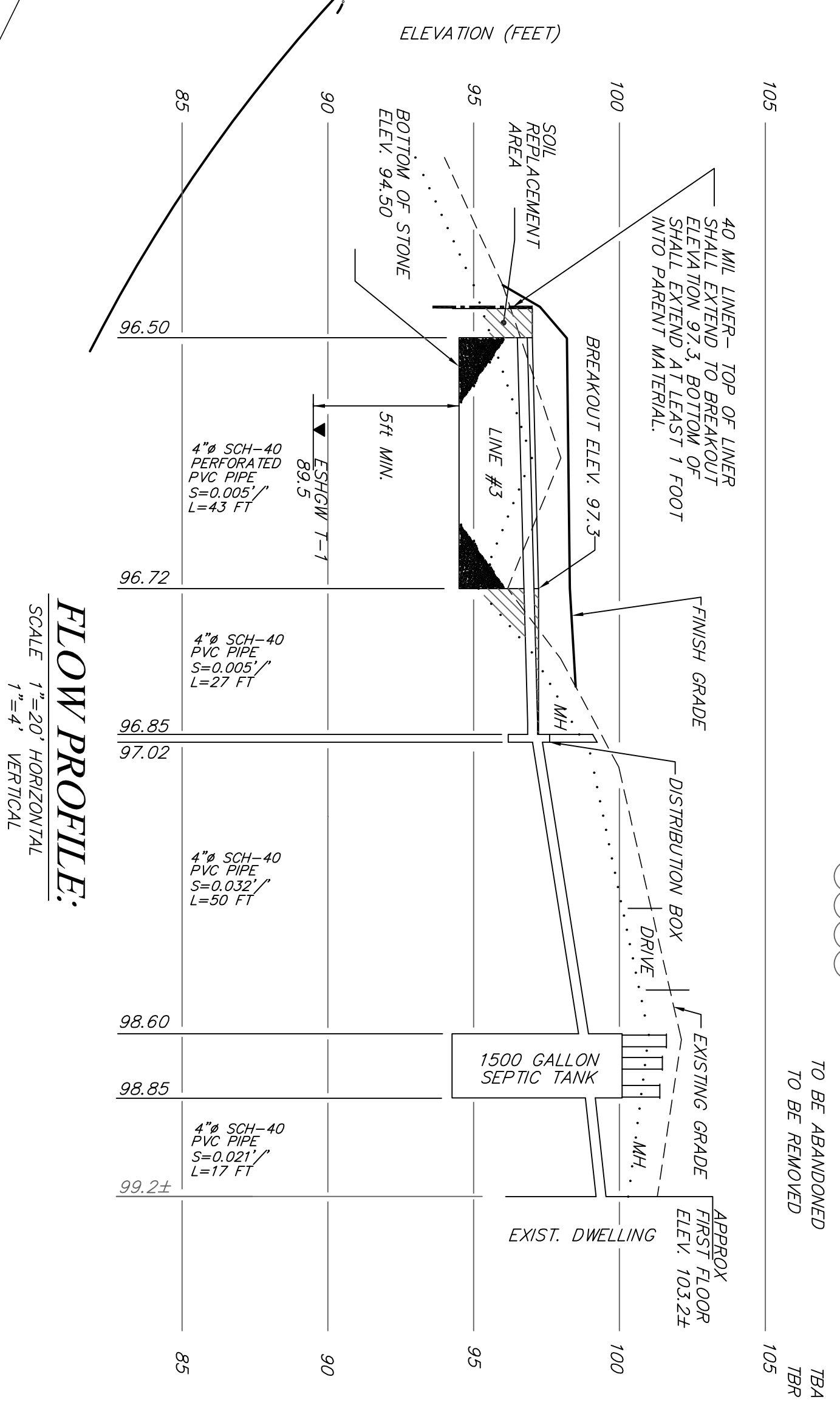
SOIL ELEVATIONS:

TEST PIT	T-1	T-2
GRADE	97.2	97.5
E.S.H.G.W.	89.2	89.5
OBS. G.W.	88.5	NONE
BOTTOM PIT	88.5	88.5

SOIL PROFILES:

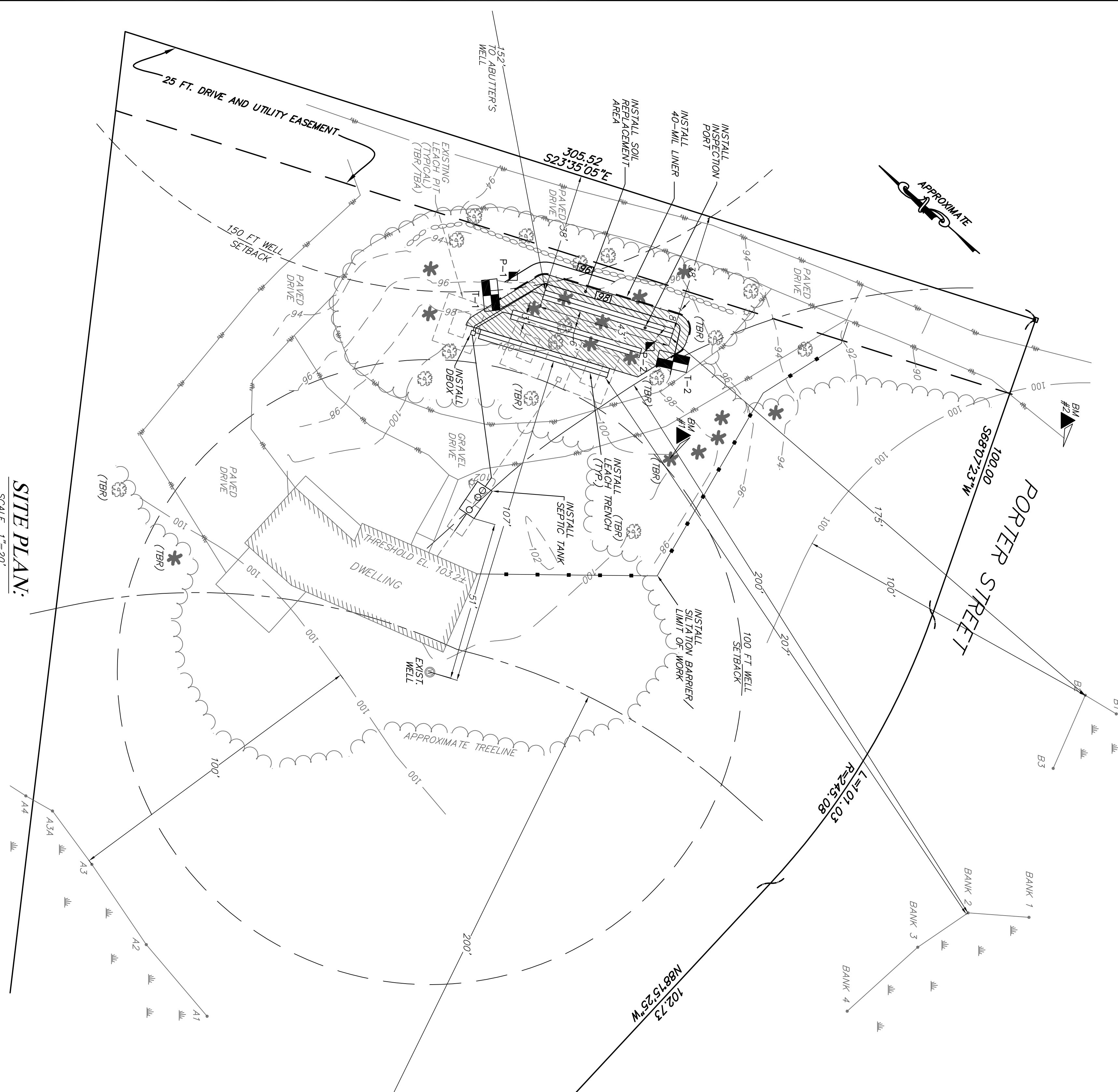
T-1:
0-9" A 10HR3/3 FINE SANDY LOAM MASSIVE FRAGILE
9-24" Bw 10HR3/6 FINE SANDY LOAM MASSIVE FRAGILE
24-105" C1 2.5H/4 VERY GRAVELLY COARSE SAND SINGLE GRAIN LOOSE
SMALL ROOTS THROUGHOUT - POSSIBLE REFUSAL - DAMP AT BOTTOM
ESHOW @ 96"

T-2:
0-10" A 10HR3/3 FINE SANDY LOAM MASSIVE FRAGILE
10-92" Bw 10HR3/6 FINE SANDY LOAM MASSIVE FRAGILE
92-96" C2 2.5H/4 VERY GRAVELLY COARSE SAND SINGLE GRAIN LOOSE
ESHOW @ 96"
SMALL ROOTS THROUGHOUT - POSSIBLE REFUSAL - DAMP AT BOTTOM



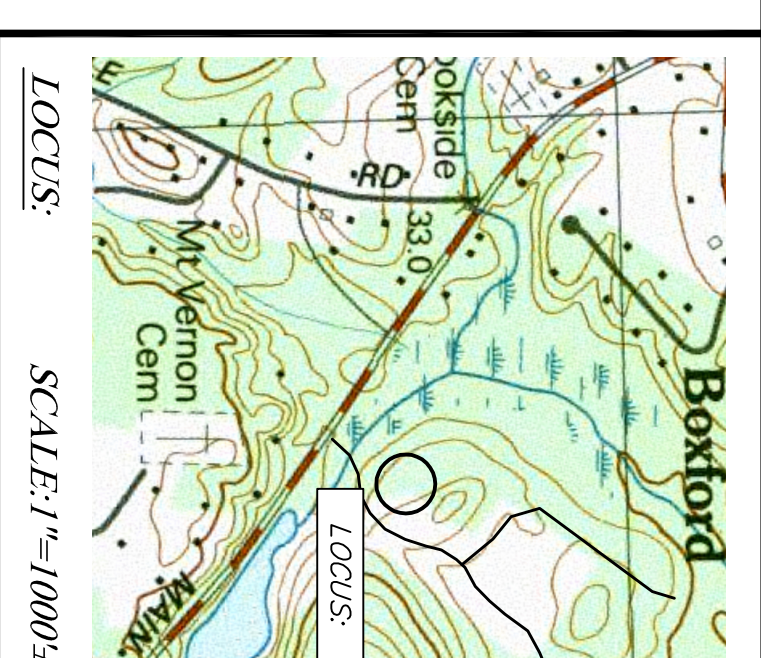
FLOW PROFILE:

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



SITE PLAN:

SCALE 1"=20'



LOCUS: SCALE 1"=1000'

SUBSURFACE SEWAGE DISPOSAL SYSTEM UPGRADE

84 PORTER ROAD
BOXFORD MA

REGISTRY INFORMATION:

DEED:
BOOK NO.: 14676
PAGE NO.: 527

ASSESSORS INFORMATION:

MAP: 13
BLOCK: 2
LOT: 34

PREPARED FOR:

CLAYTON & SARAH SMITH
84 PORTER ROAD
BOXFORD MA

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PLAN & FLOW PROFILE

#	BY	DATE	REVISIONS TO PLANS
1	JBS	9/16/14	CONSERVATION FILING

DATE: AUGUST 20, 2014
DESIGN BY: JBS
DRAWN BY: JBS

SHEET 1 OF 2 SCALE: 1"=20'
PROJECT # 0632