

SUBSURFACE SEWAGE DISPOSAL SYSTEM UPGRADE

310 IPSWICH ROAD
BOXFORD, MA

REGISTRY INFORMATION:

DEED:
BOOK NO.: 4244
PAGE NO.: 150

ASSESSORS INFORMATION:

MAP: 19
BLOCK: 1
LOT: 8

PREPARED FOR:

HAROLD WHITE
310 IPSWICH ROAD
BOXFORD, MA



SCANLAN
ENGINEERING LLC
70 BOSTON-GENESEE BLVD. #100
PHONE: (978) 372-3440
FAX: (978) 891-3888
EMAIL: info@scanlanengineering.com
WEB: www.scanlanengineering.com

PLAN & FLOW PROFILE

DATE:	JUNE 19, 2014
DESIGN BY:	TME
CHECKED BY:	JES
# BY DATE	REVISIONS TO PLANS
SHEET 1 OF 2	SCALE: 1" = 20'
PROJECT #	0604

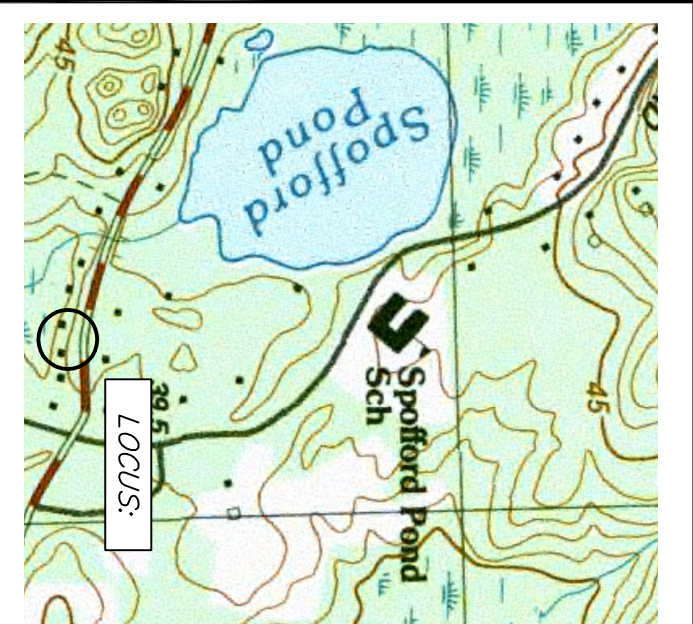
▲ BENCHMARKS: ASSUMED DATUM	ELEV.
#1 SPIKE SET IN TREE	101.28
#2	
#3	

SOILS INFORMATION:

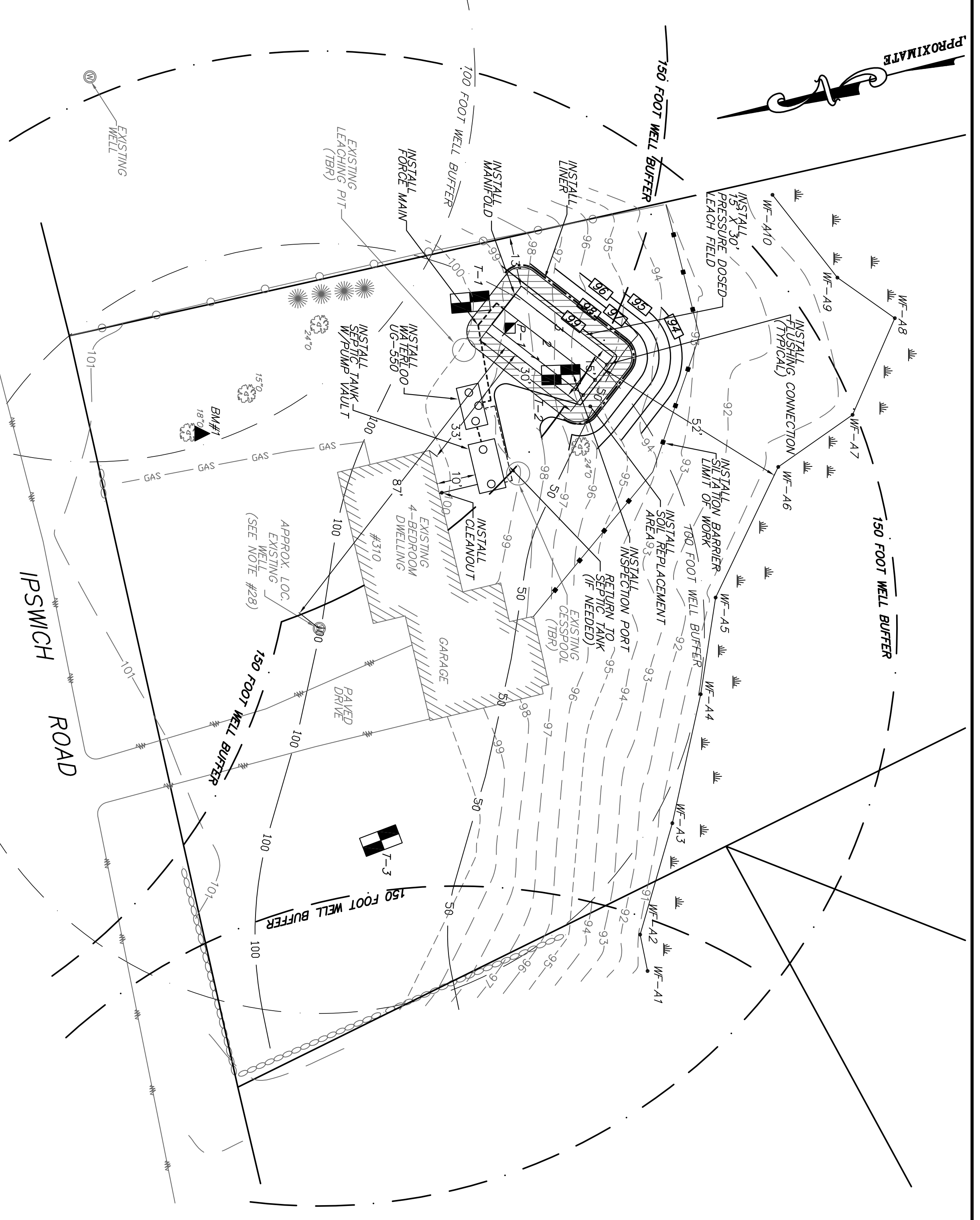
SOIL EVALUATOR: JAMES SCANLAN, P.E.
(SE#2159 - APRIL 1995)
TOWN WITNESS: KENDALL LONGO
DATE: 5/15/14

I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 310CMR 8.017 TO CONDUCT SOIL EVALUATIONS AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME OR ASSISTANT WITH THE REQUIRED TRAINING AND EXPERIENCE. I HAVE REVIEWED THE RESULTS OF MY SOIL EVALUATION, AS INDICATED IN THE ATTACHED SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE WITH 310CMR 15.100 THROUGH 15.102.

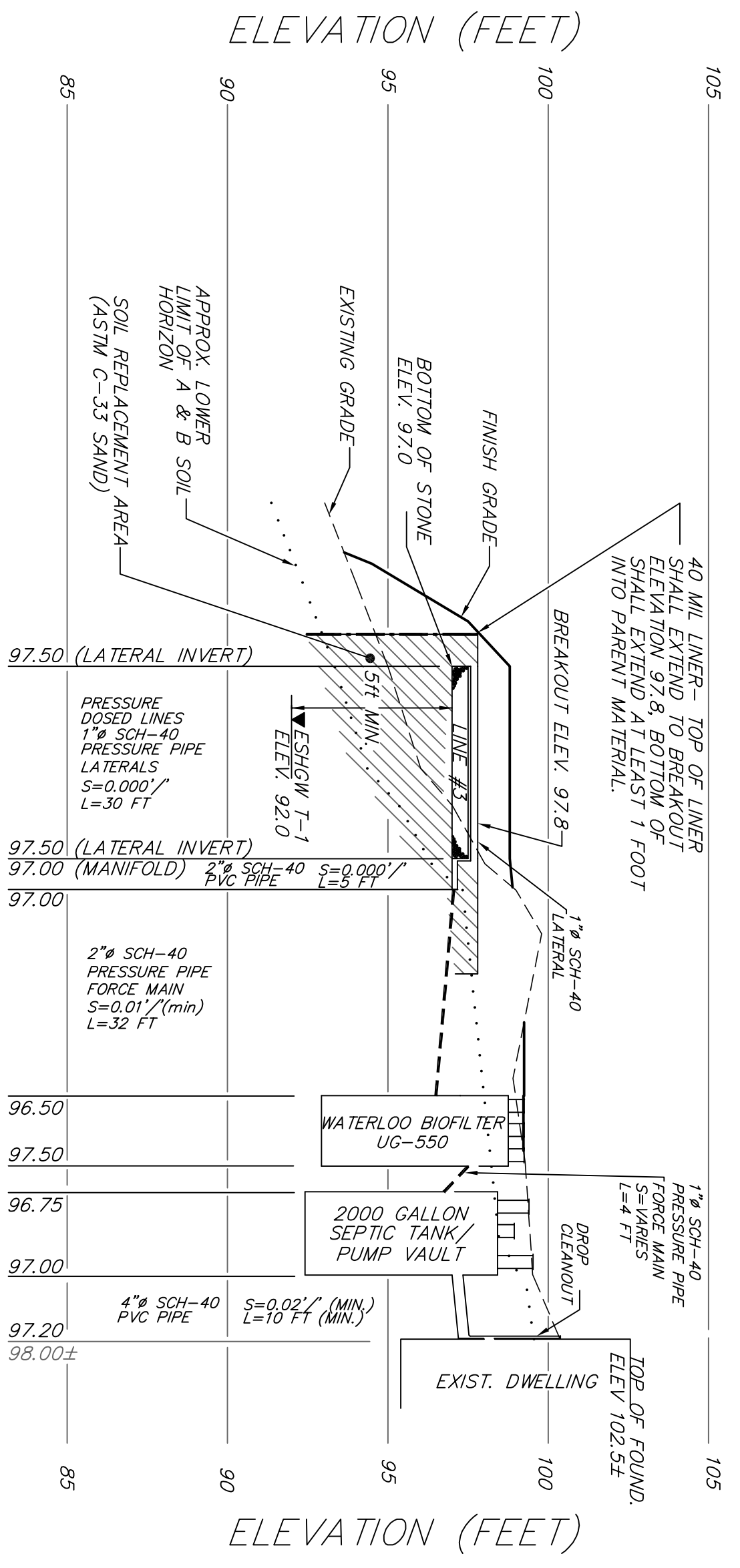
SIGNATURE: _____ DATE: _____



LOCUS: SCALE: 1" = 1000'



SITE PLAN:
SCALE 1" = 20'



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

DESIGN CRITERIA:

FAULTY TYPE:	SINGLE FAMILY DWELLING	SOIL CLASS:	CLASS 1
FAULTY SIZE:	4 BEDROOMS	SOIL PERC RATE:	2 MIN/INCH
UNIT FLOW RATE:	110 GAL/BED/DAY	ADJUSTED PERC RATE:	0.74 GAL/SF/DAY
DAILY FLOW:	440 GAL/DAY		
GARBAGE GRINDER:	NO		
SYSTEM DESIGN:	880 GAL/DAY*	REQUIRED LEACH AREA:	892 SF (578) 595 SF*
PER BOXFORD BOARD OF HEALTH REGULATION		PROVIDED LEACH AREA:	490 SF
		*WITH USE OF WATERLOO BIOFILTER	

VARIANCES/WAIVERS:

310CMR(15.242(1))	892 SF OF LEACH AREA	PROVIDED:	450 SF W/WATERLOO BIOFILTER
BOXFORD WELL SETBACK REGULATION 201-9(10)	SAS 150' FROM ANY WELL W/ PERC RATE < 5 MIN/IN	REQUIRED:	87' WITH USE OF WATERLOO BIOFILTER
BOXFORD WETLANDS SETBACK REGULATION 201-9(E)	SAS 150' FROM ANY WETLANDS W/ PERC RATE < 5 MIN/IN	REQUIRED:	52' WITH USE OF WATERLOO BIOFILTER

LEGEND:

