

ENVIRO-SEPTIC LINE ELEVATION TABLE
ENVIRO-SEPTIC PIPE LINE ELEVATIONS

SECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
LINE NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
TOP OF LINE	1195.5'	1195.02'	1194.54'																
BOTTOM OF LINE	1194.5'	1194.02'	1193.54'																

DESIGN INTENT
BOTTOM OF EFFLUENT DISPOSAL SYSTEM (EDS) SHALL BE CONSTRUCTED AT 1194.5' ELEVATION; THERE ARE APPROX. 2' BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF THE DESIGNED EFFLUENT DISPOSAL SYSTEM (EDS).

CONNECTING ENVIRO-SEPTIC
 RAISED STRAIGHT CONNECTION SYSTEM
 22/45° CONNECTION SYSTEM

SPOT ELEVATIONS

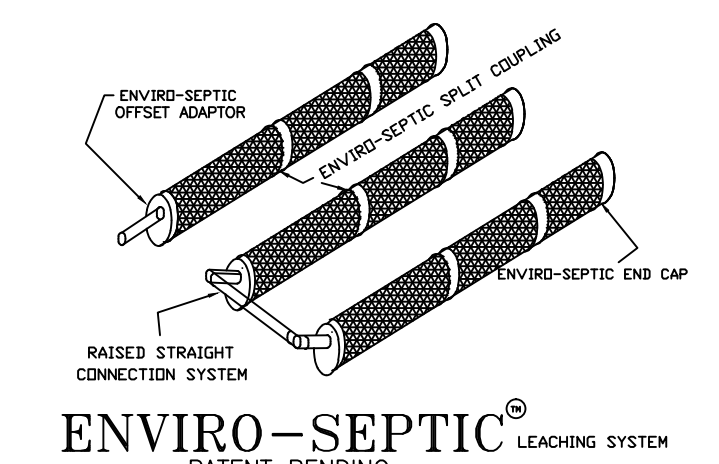
A D G
B E H
C F I

PIPE SPACING
SPACING BETWEEN LINES OF ENVIRO-SEPTIC PIPE CENTER TO CENTER

1.5' 2.0' 2.5' 3.0'
 1.75' 2.25' 2.75' 3.5'

SOIL DATA
CnC-Colton

SAND TYPE
 SLOPE DESIGN <15%; TYPE 'A' SAND
 SLOPE DESIGN >15%; TYPE 'B' SAND



LEGEND

Drainage = Spot Elevation = +
Setback Lines = Iron Pipe =
Water Line = Well =
Driveway = Bench Mark =
River Conservation District = Percolation Test Sites =
Well Radius = Original Test Pit Site =

NOTES:

BEFORE INSTALLATION, INSTALLER MUST VERIFY ALL ELEVATIONS AND DISTANCES. IF SYSTEM HAS EXISTING BUILDING, ALL PLUMBING ELEVATIONS MUST BE CHECKED CONTACT DESIGNER IF ANY DISCREPANCIES ARE FOUND.

INSTALLATION OF ALL ENVIRO-SEPTIC SYSTEMS IS TO BE IN STRICT ACCORDANCE WITH THE ENVIRO-SEPTIC DESIGN & INSTALLATION HANDBOOK FOR THE STATE OF NEW HAMPSHIRE.

NOTE: THIS PLAN IS FOR SEPTIC DESIGN PURPOSES ONLY AND IS NOT TO BE USED AS A BOUNDARY SURVEY.

** SEALANT TO BE USED IS PLASTIC CEMENT
** ENVIRO-SEPTIC LINES TO BE LAID LEVEL
** SYSTEM MAY BE REPLACED IN SAME LOCATION IF NECESSARY
** DO NOT INSTALL SYSTEM ON FROZEN GROUND
** IF SYSTEM HAS AN EXISTING BUILDING, ALL INSIDE PLUMBING ELEVATIONS MUST BE CHECKED BEFORE INSTALLATION

MAINTENANCE

PROPER MAINTENANCE AND CARE ARE REQUIRED FOR SEPTIC SYSTEM TO FUNCTION PROPERLY. THE FOLLOWING ARE SOME ITEMS THAT MAY SHORTEN SYSTEM LIFE : * SOME WATER SOFTENER/PURIFIERS * HOT TUBS * GARBAGE DISPOSAL UNITS * SOME CLEANERS * EXCESSIVE USE OF WATER * TOXIC CHEMICALS

** IMPROPER TANK MAINTENANCE-TANK SHOULD BE INSPECTED AT LEAST ONCE A YEAR AND CLEANED WHEN NECESSARY

Enviro-Septic® wastewater treatment systems are approved by NHDES as ITA in accordance with part Env-Ws 1024. The system is designed in accordance with the Enviro-Septic® & Simple Septic Leaching Systems Design and Installation Manual and the Enviro-Septic® Wastewater Treatment Systems Design and Installation Manual New Hampshire State Attachment.

PIPE INDEX

A 4" PVC Sch. 40 PLASTIC PIPE THROUGH FOUNDATION
B 4" PVC Sch. 40 PLASTIC PIPE W/ GLUE JOINTS
C 4" S&D SOLID PLASTIC PIPE
D 4" S&D PERFORATED PLASTIC PIPE

SYSTEM REQUIREMENTS

PERC. RATE 1" - 6 MINS.
NUMBER OF BEDROOMS: 2
DAILY FLOW VOLUME: 300 GPD
TANK VOLUME PROVIDED: 1000 GAL.
AMOUNT OF ENVIRO-SEPTIC REQUIRED 90 FT.
USE: 90 LINEAR FT. OF ENVIRO-SEPTIC

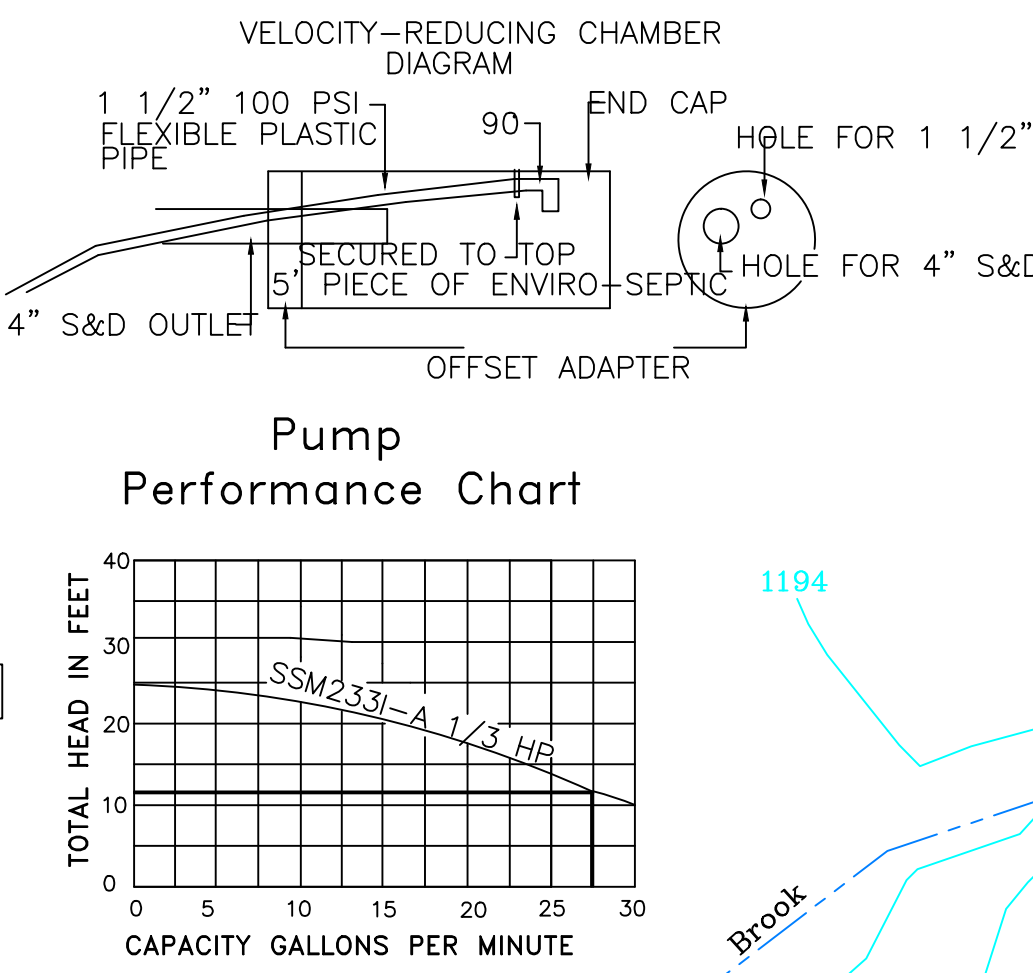
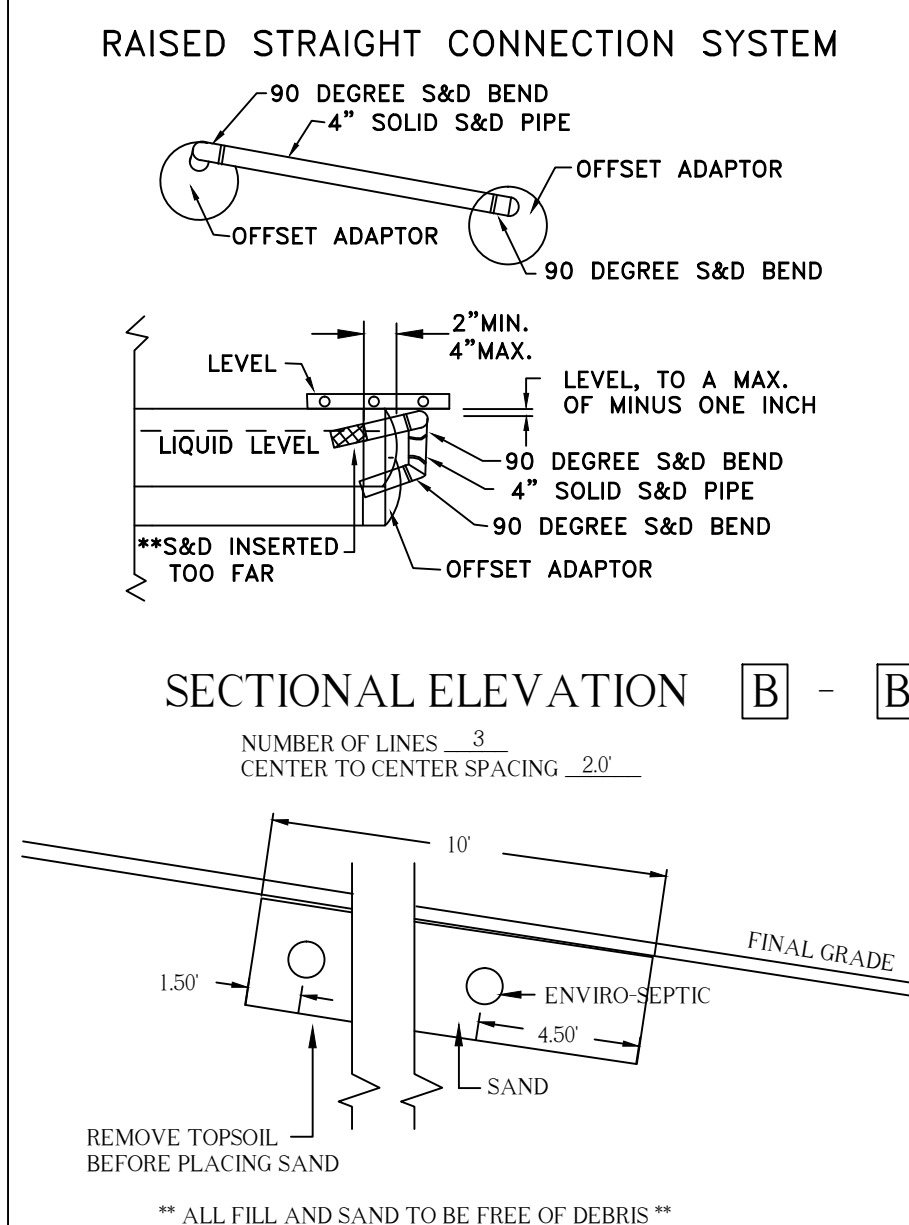
PERCOLATION TEST DATA

DATE: 11/15/06 RATE: 1" - 6 MINS. @ 24"

DEPTH	TEST PIT DATA
0-5"	Dark yellow brown fine sandy loam 10YR 4/4
5"-22"	Dark brown fine medium sand 10YR 3/3
22"-65"	Dark gray brown fine sandy loam with cobbles & boulders 10YR 3/2

TEST PIT DATA

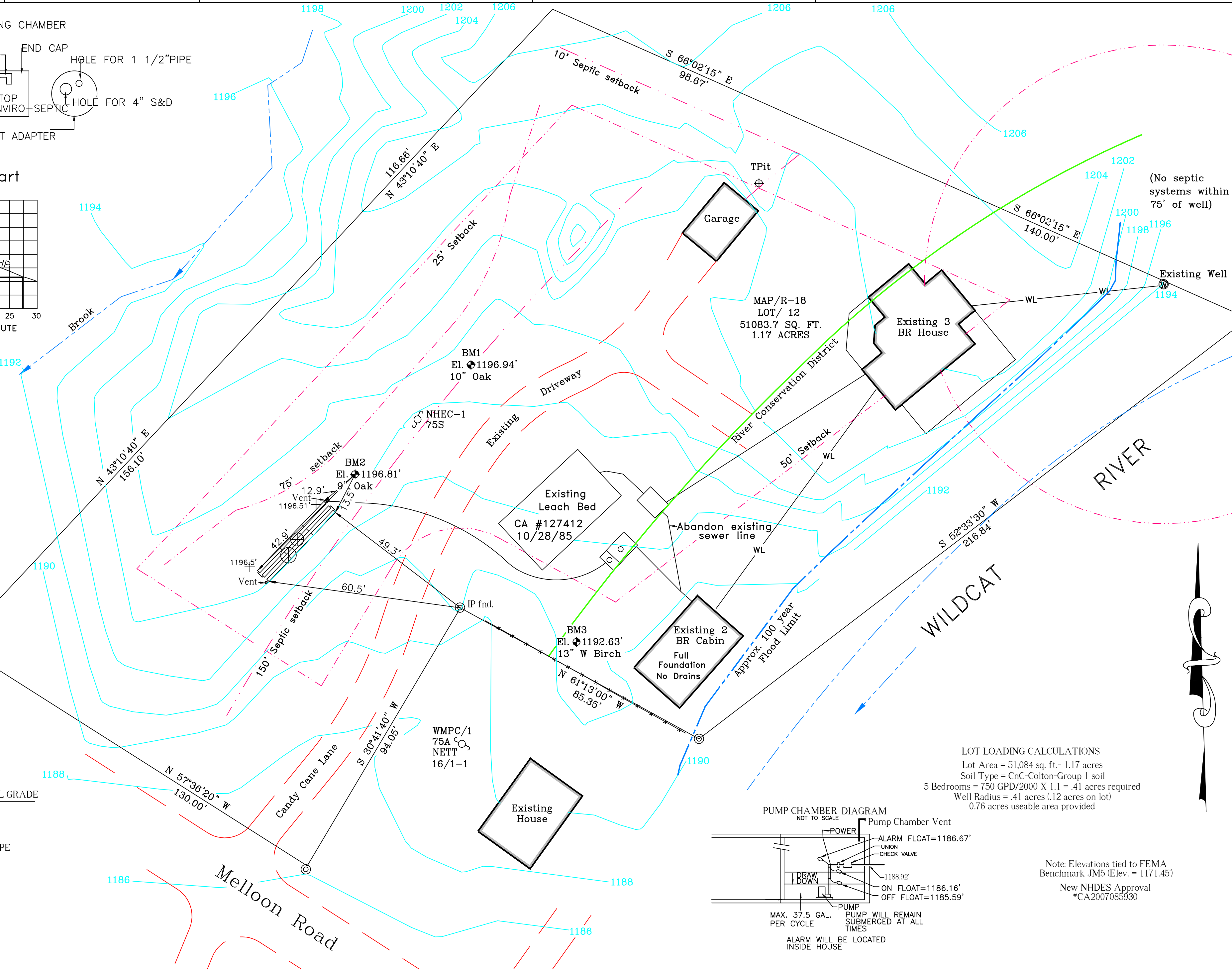
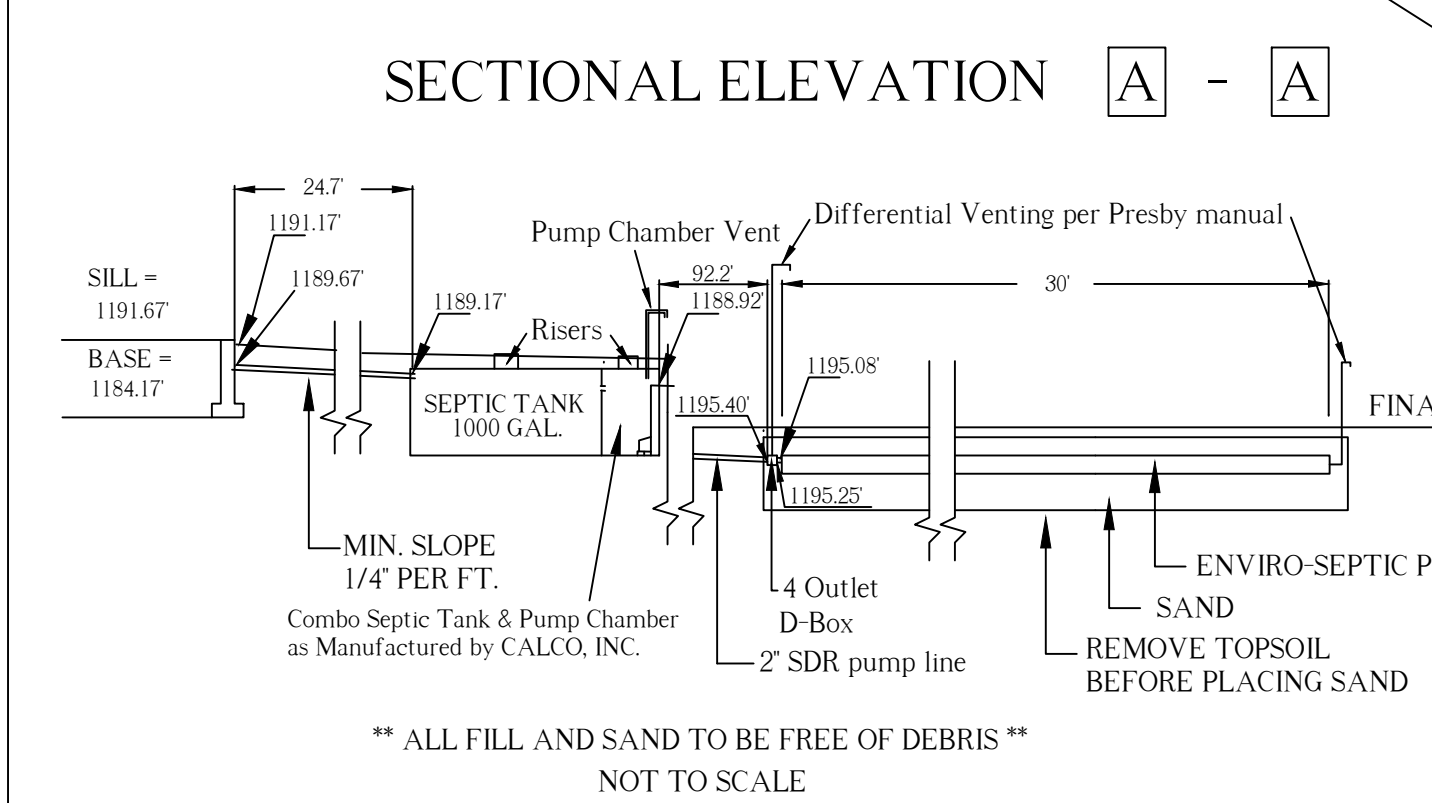
DATE: 11/15/06
WATER @: none observed
ESTIMATED SEASONAL HIGH WATER TABLE @: >65"
DEPTH OF ROOTS: 60"
SURFACE VEGETATION: lawn



Head Calculations
Dead Head=10.48'
Friction Loss=.90'
Total Head=11.38'

Dosing Schedule
Dose field 8 times per day @ 37.5 gallons per dose

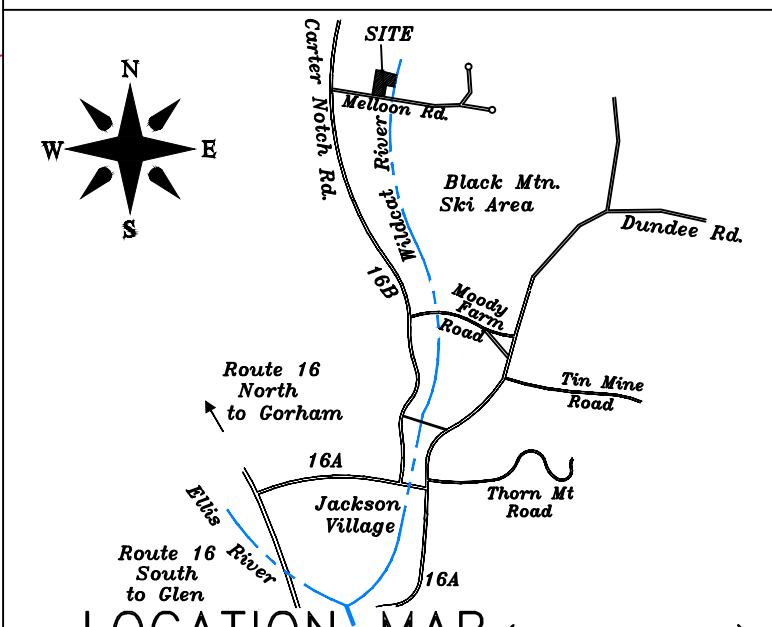
Pump Specifications
Pump to be Myers SSM331-A or approved equal capable of pumping 27 gallons per minute at 12 feet of head. Alarm to be located inside house in CA-SS4 NEMA 1 enclosure.
Pump run time: 1 minute 30 seconds/dose



LOT LOADING CALCULATIONS

Lot Area = 51,084 sq. ft. - 1.17 acres
Soil Type = CnC-Colton-Group 1 soil
5 Bedrooms = 750 GPD/2000 X 1.1 = .41 acres required
Well Radius = .41 acres (.12 acres on lot)
0.76 acres useable area provided

Note: Elevations tied to FEMA Benchmark JM5 (Elev. = 1171.45)
New NHDES Approval *CA2007085930



PROPOSED SEPTIC DISPOSAL FACILITIES FOR PROPERTY OF:

Ian & Lisa Gamble
88 East Elm Street
Yarmouth, ME 04096

DATE: 11/16/06 MAP/R-18 LOT/12
DRN. BY: KMH VOL/2407 PAGE/783
CHKD BY: JKH REVISD: 1/15/07 per Town Engineer
SCALE: 1" = 20'
DRAWING #: 06-38s