

FOUNDATION LOCATION PLAN



LOCATION: 1897 FRANKLIN PIERCE HIGHWAY, BARRINGTON, NH

NOT FOR MORTGAGE LOAN PURPOSES

OWNER OF RECORD: MICHELE & SCOTT PASTRE

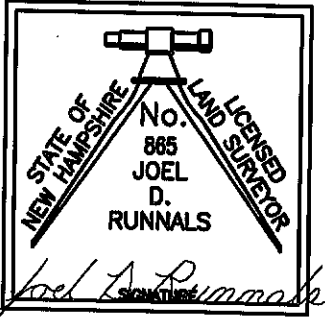
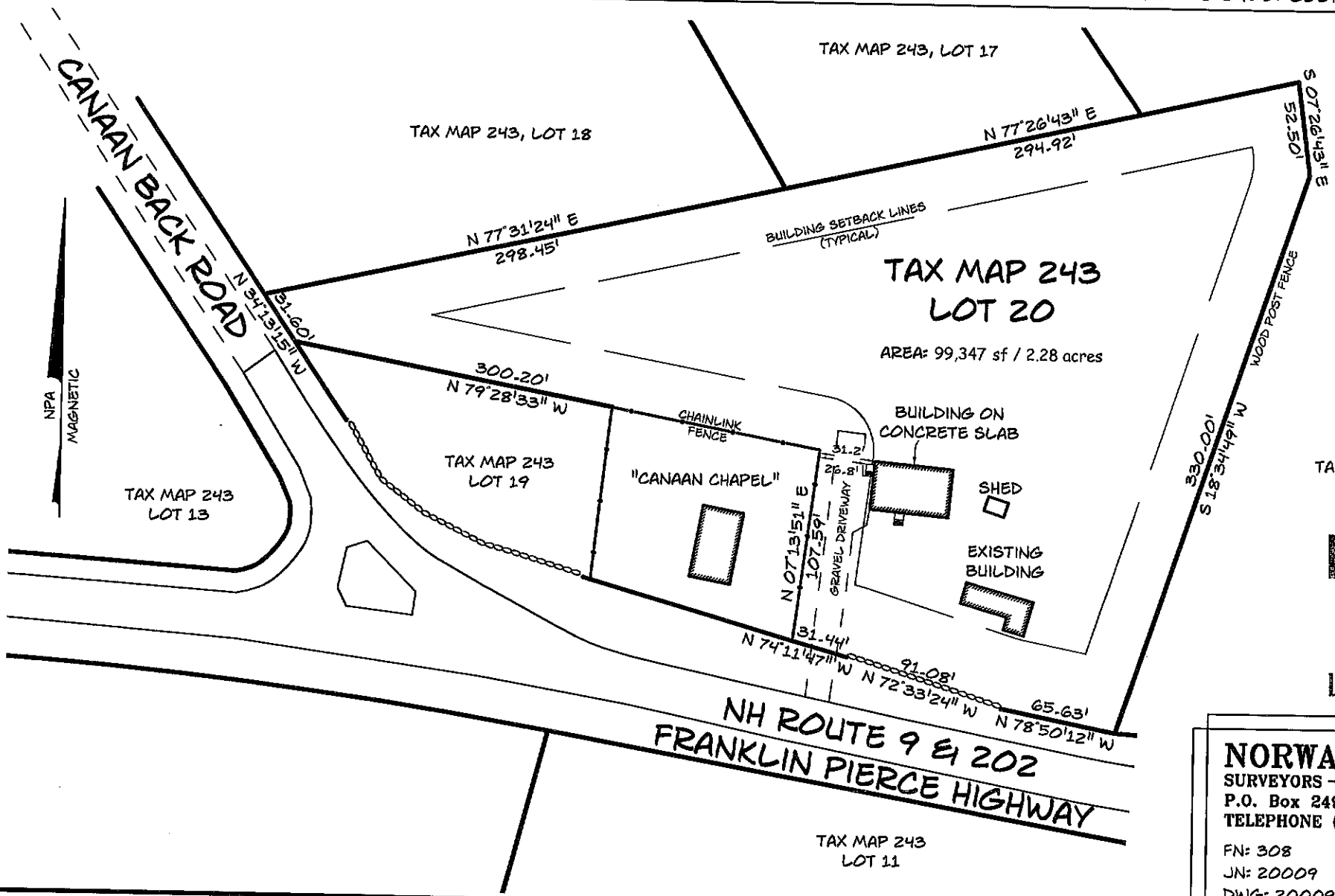
S.C.R.D. BOOK 4335, PAGE 562

TAX MAP 243, LOT 20

ZONE: GENERAL RESIDENTIAL DISTRICT

BUILDING SETBACKS:

FY= 40', SY= 30', RY= 30'



TAX MAP 243 LOT 21

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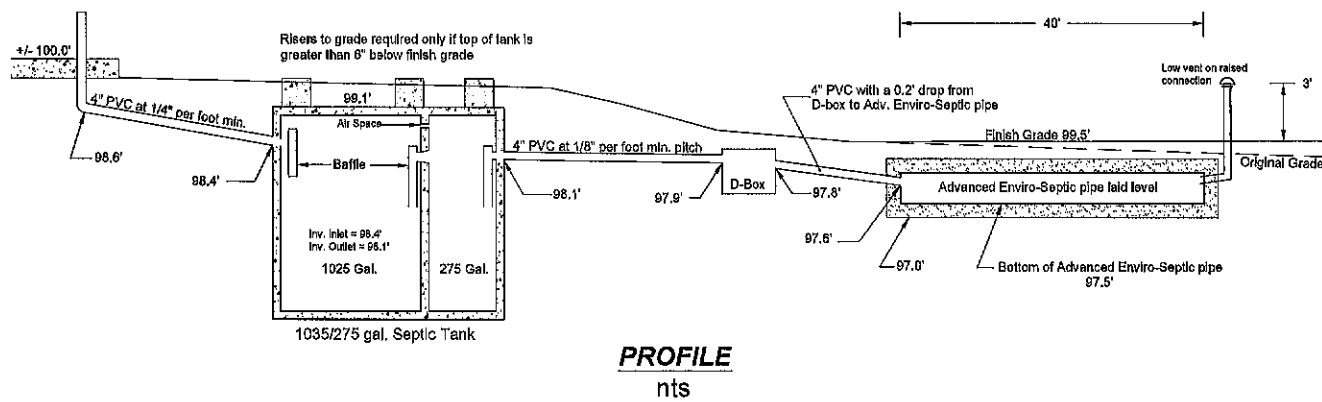
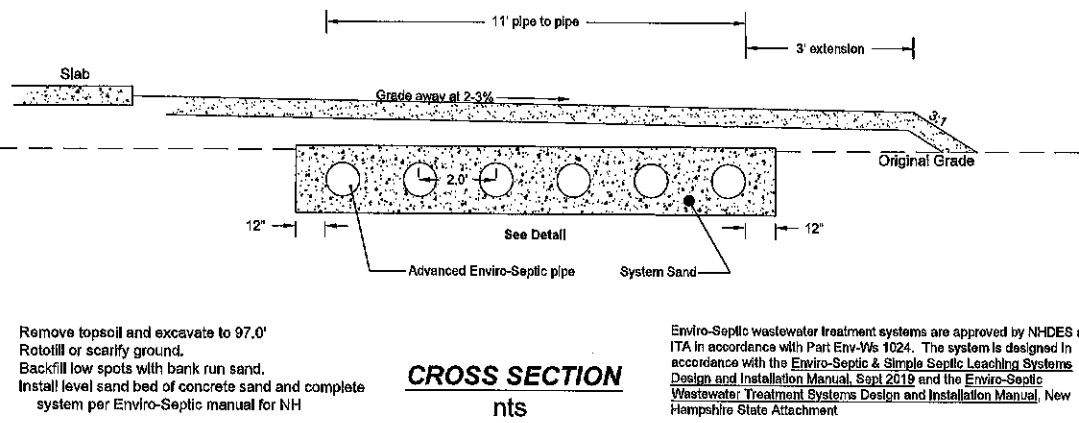
LAND USE OFFICE

NORWAY PLAINS ASSOCIATES, INC.

SURVEYORS - ENGINEERS
 P.O. Box 249, Rochester, N.H. 03867
 TELEPHONE (603) 335-3948

FN: 308
 JN: 20009
 DWG: 20009\FL-1

DATE: 02-20-2020
 SCALE: 1" = 80'



SOILS Charlton (M. Mariano NH CSS #076)
SIZING 3 Bedrooms @ 450 GPD.
 Perc Rate: 13 minutes per inch at 15"
 Design Rate: 15 minutes per inch
 Linear feet of Advanced Enviro-Septic pipe required: 210
 Provided: 240 linear feet in six 40-foot rows.
 Calc.: Enviro-Septic Design Manual for NH, Sept 2019 Table A

SEPTIC TANK 1,025/275 gallon 2-compartment precast tank by Foss, Farmington NH. Dimensions: 10' x 6'4" x 5'. Similar two-compartment precast tanks with a total volume of at least 1250 gallons may be substituted. Provide inlet and outlet baffles per Env-Wq 1010.07. Provide risers over each access cover if top of tank is more than 6" below finish grade.

D-BOX 7-Outlet precast concrete by Foss, or similar.
 Dimensions: 23"x19"x16".
 Install Flow Equalizers on each active outlet per Presby

PIPE All 4" pipe shall be SDR35 or equivalent
 All pipe joints shall be solvent welded

CONNECTIONS All connections between plastic pipe and concrete devices shall be sealed with non-shrink mortar or plastic cement or sealed with a watertight, flexible joint connector.

SYSTEM SAND BED Washed concrete sand above, below, and between the Enviro-Septic pipe meeting the requirements of ASTM C33 with <10% passing a #100 sieve and <5% passing a #200 sieve. Extend sand bed to 12" beyond pipe footprint in all directions.

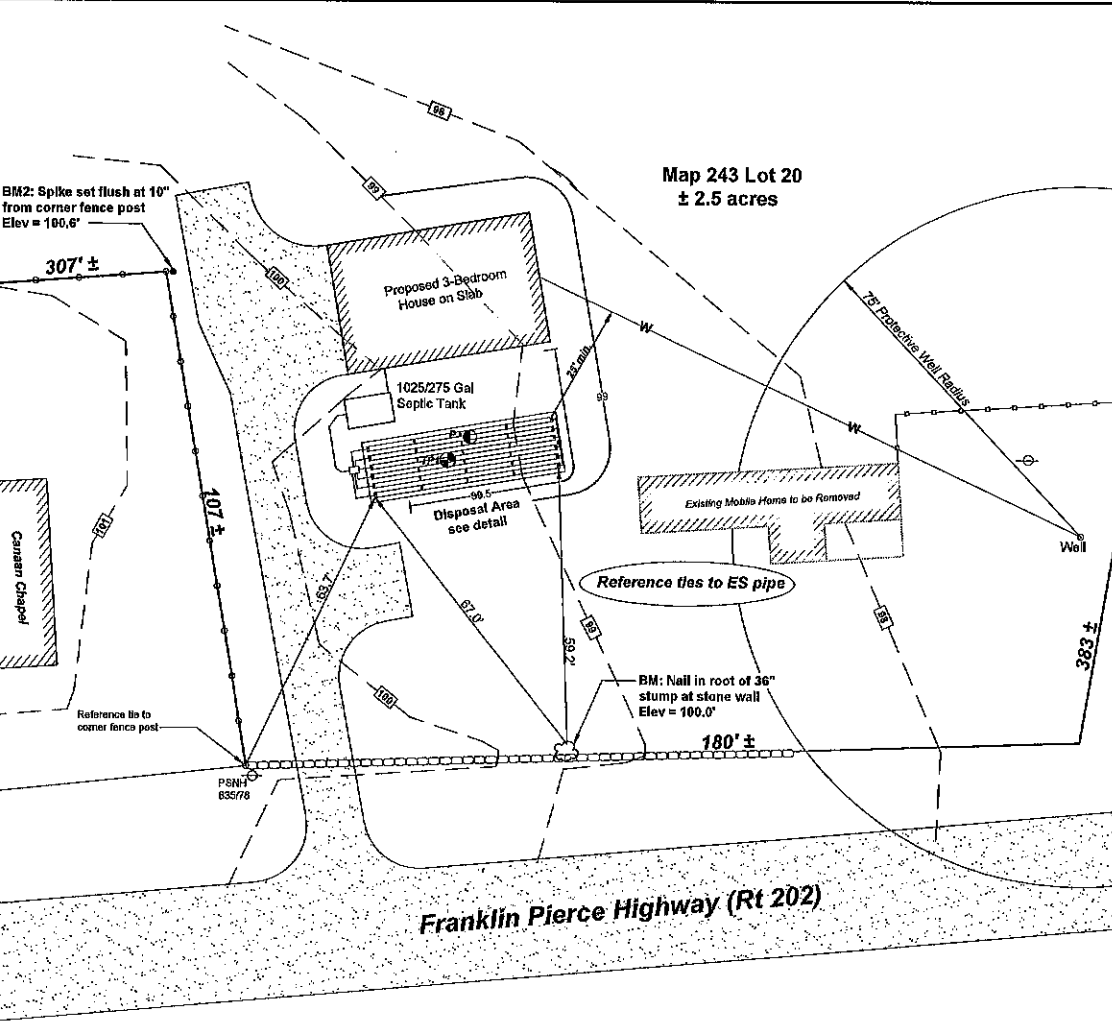
Note: Design manual requires 3" min. of system sand above ES pipe. This design specifies 6" of system sand above ES pipe.

FILL
 After excavating to elev 97.0, rototill or scarify ground and backfill any low spots, stump holes, etc. to Elev. 97.0' with bank run sand prior to placing level system sand bed.
 Topsoil: 4" min., seeded and mulched as soon after inspection as possible.

VENTING Disposal area shall be vented with a low vent on the raised connection at the far end of the EDA. See detail.

DESIGN INTENT The bottom of the Advanced Enviro-Septic pipe shall be installed at Elevation 97.5'. This elevation is 2.0' below the high corner of the disposal area and maintains a 24" vertical separation to the limiting factor over the entire disposal area. See corner elevations for separation to SHWT

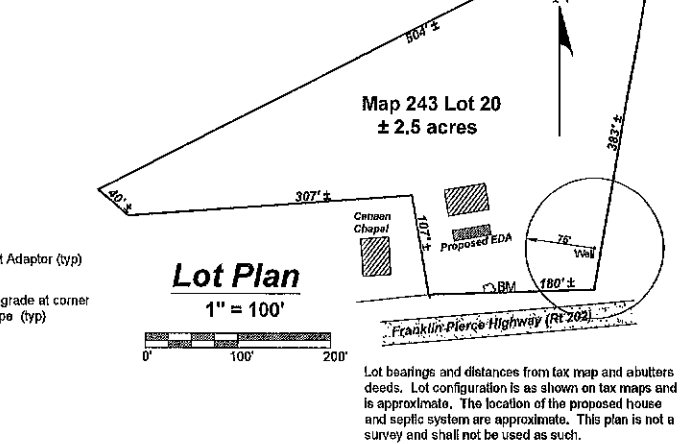
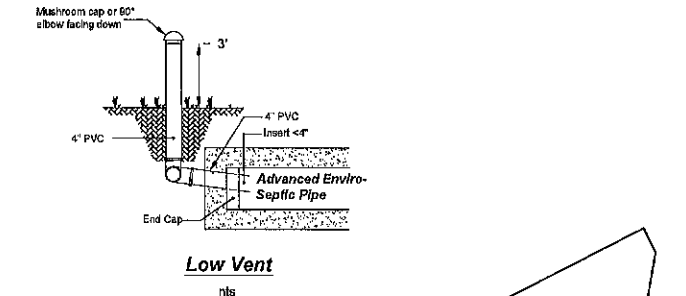
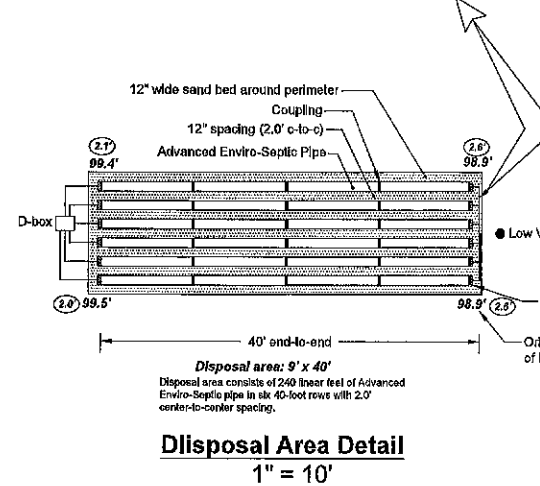
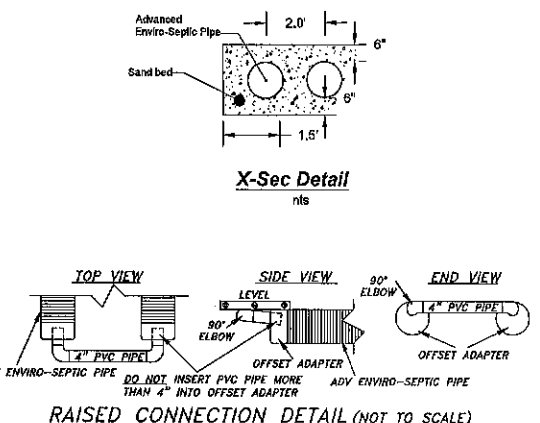
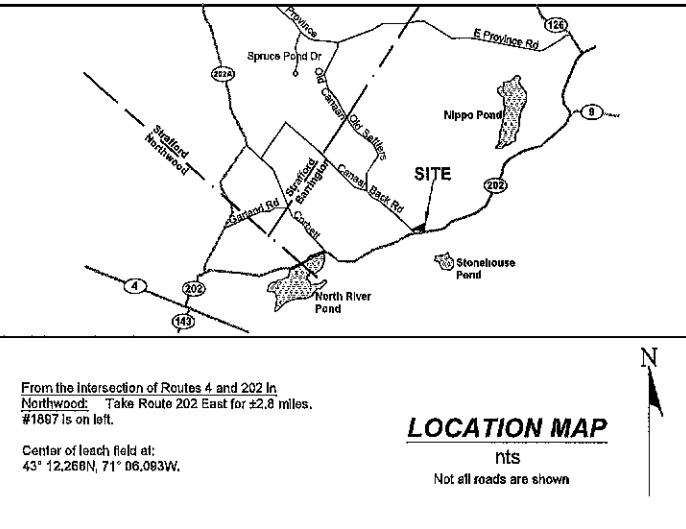
NOTES:
 1. Rebuild in place in event of future failure
 2. The septic tank for this system is not sized to accommodate a garbage disposal unit. The use of a garbage disposal unit may contribute to system failure.
 3. Any water softener or water treatment device shall not be flushed into the septic system as it may contribute to system failure.
 3. This design complies with and must be installed in accordance with the NH Enviro-Septic Design and Installation Manual, 09-2019.



Test Pits

TEST PIT 1 09-05-19 by Michael Mariano CSS#076, Designer #941
 00" - 07" Dark brown (10YR3/4) fine sandy loam; weak fine granular structure; dry, soft.
 07" - 48" Light olive brown (2.5Y5/4) sandy loam; weak fine granular structure; dry, soft
 48" - 60" Light olive brown (2.5Y5/4) sandy loam; few fine and medium redox concentrations in 7.5YR5/6; moderate medium granular structure; dry, soft.
 Estimated SHWT: 48"
 Restrictive layer: None

Perc Rate: 13 minutes per inch at 20"



REVIEWED AND APPROVED
 IN ACCORDANCE WITH THE
 REQUIREMENTS OF THE
 NH DEPT. OF ENVIRONMENTAL SERVICES
 WATER DIVISION

Date: 9/30/2019
 #CA2019093029

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 FEB 26 2020
 LAND USE OFFICE

SEPTIC SYSTEM DESIGN
 New System
 Barrington - 1897 Franklin Pierce Highway

Owners: Michele & Scott Pastre
 PO Box 883
 Sharon CT 06069

Subdivision Approval # NR; pre-1987 lot
 Construction Approval # eCA2017091520

HIGHLAND SOIL SERVICES
 75 PROSPECT STREET
 SOMERSWORTH NH 03878
 (603) 892-4457

MICHAEL MARIANO
 CERTIFIED SOIL SCIENTIST
 SEPTIC SYSTEM DESIGNER
 WETLAND SCIENTIST
 SITE EVALUATOR

09-15-19