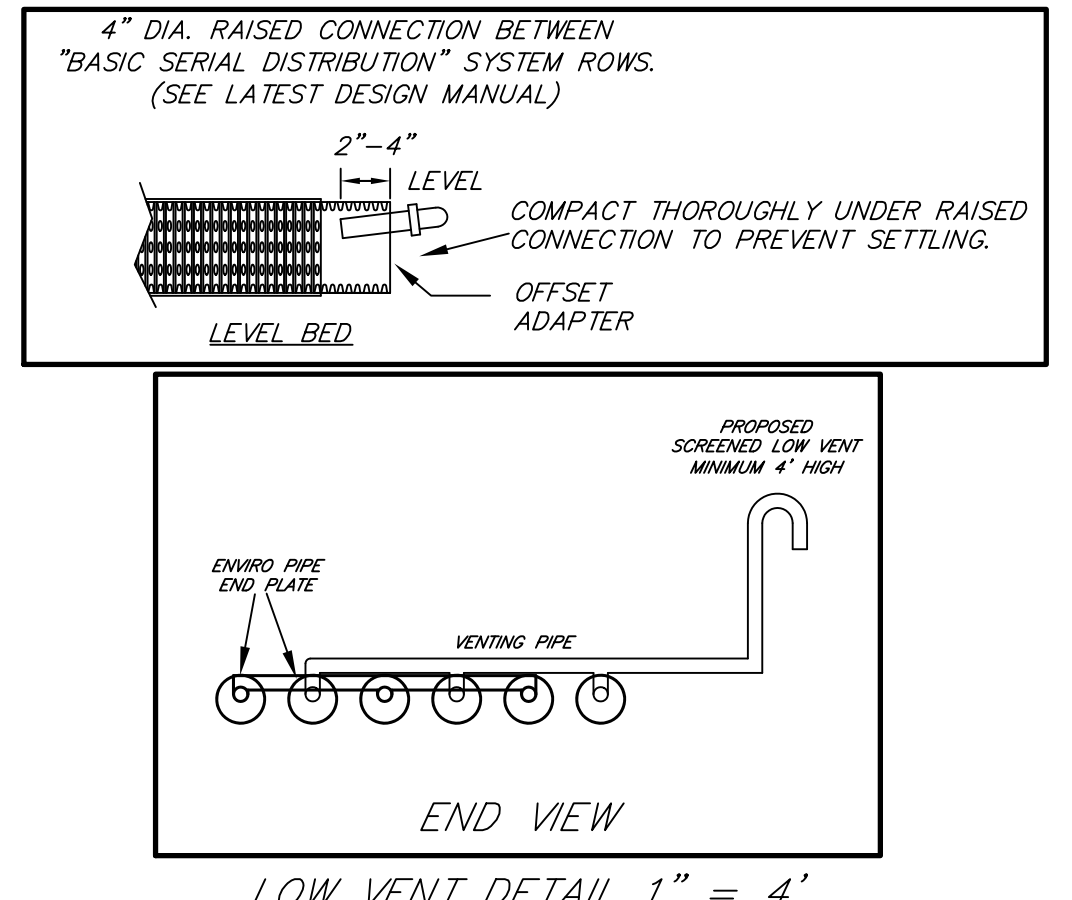
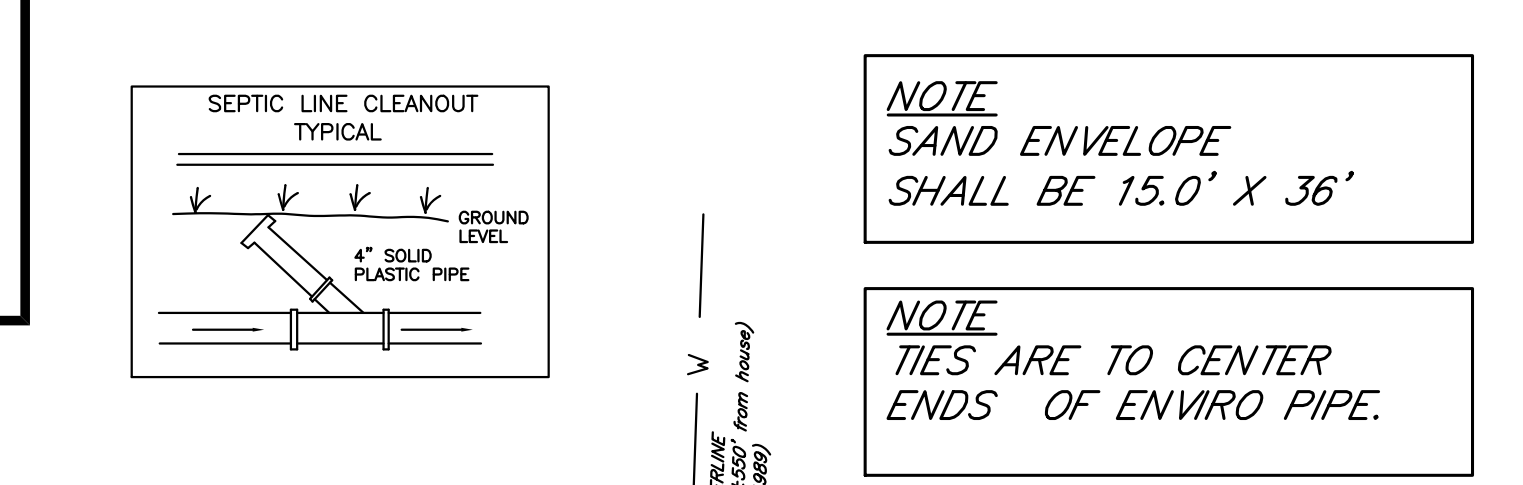
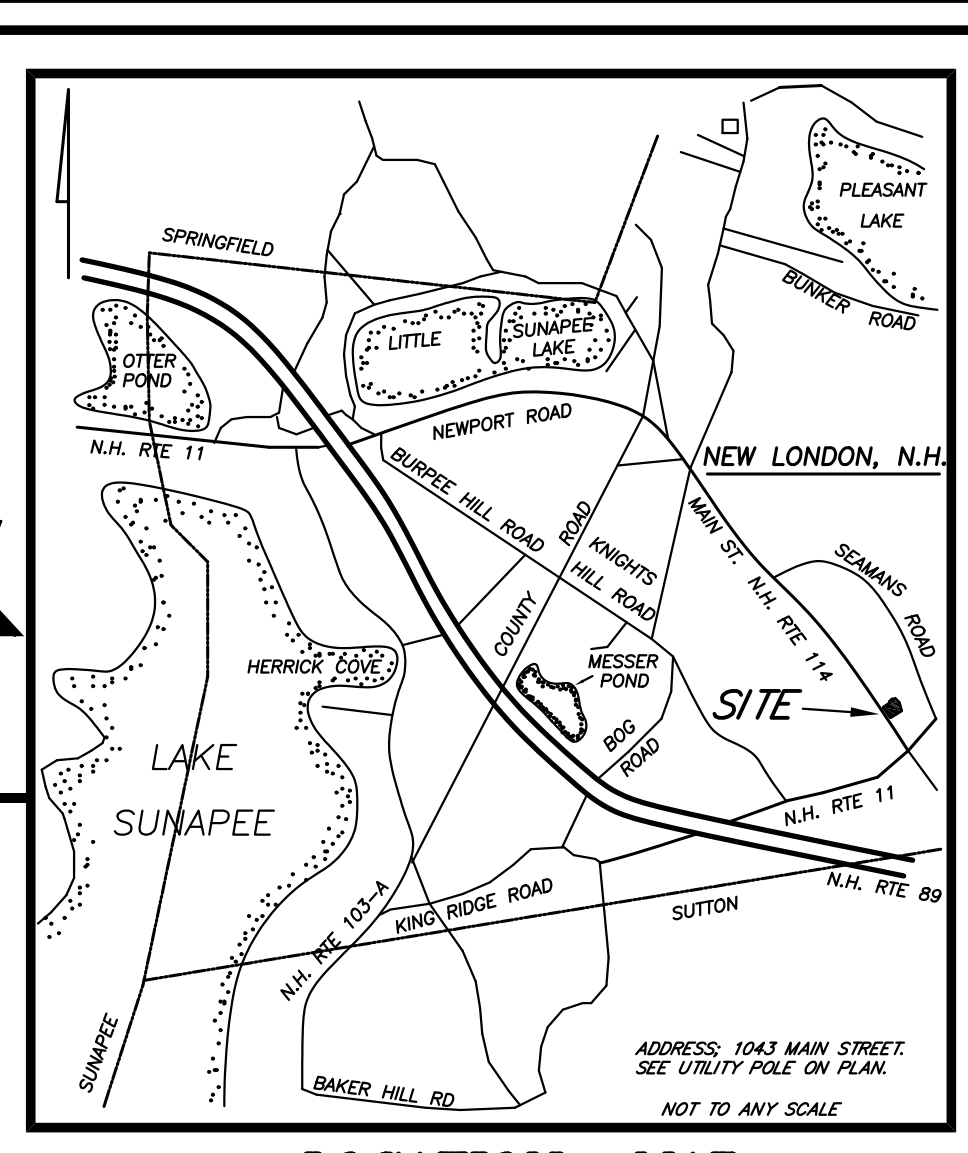
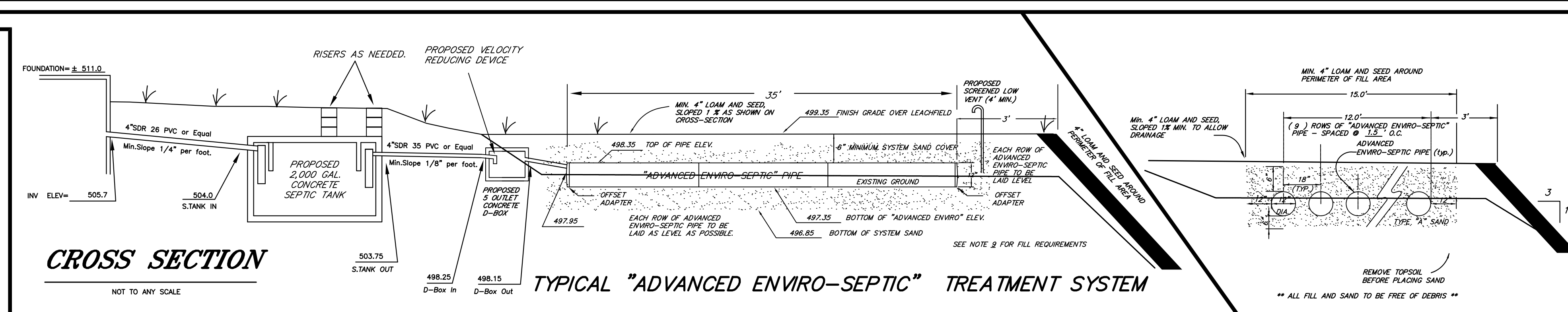
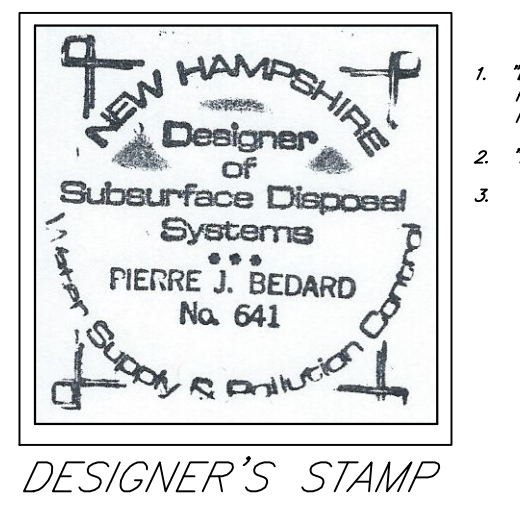
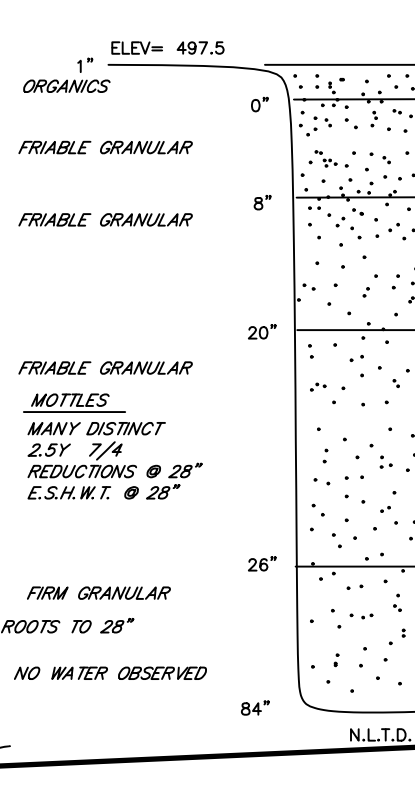
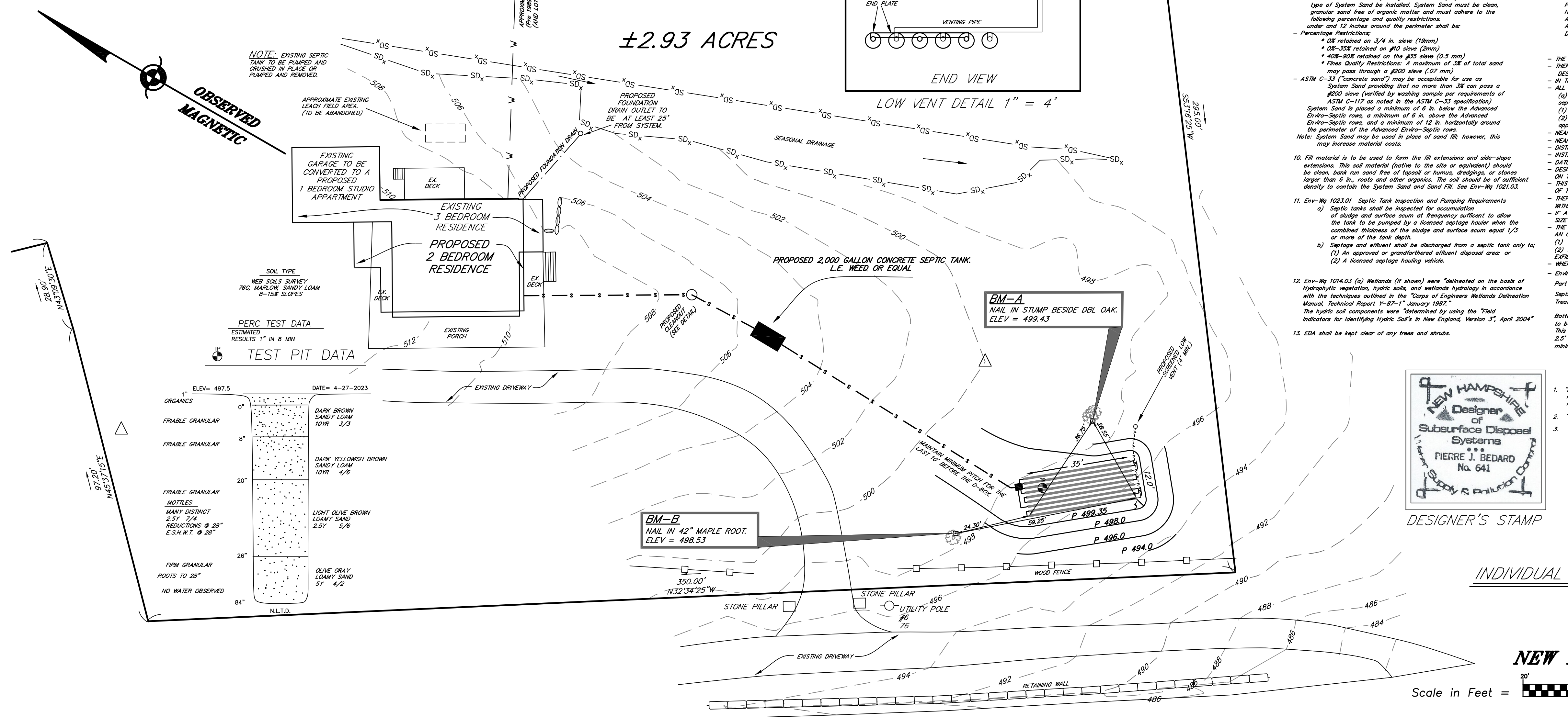


TM 109-006
±2.93 ACRES
(LOT IS PRE 1989)
PLOT PLAN



- GENERAL NOTES**
- The contractor shall adhere strictly to these plans and any deviation from these plans shall require prior approval from the designer and the municipality.
 - Remove all trees, bushes, boulders and topsoil prior to the placement of any fill within the leach field area. The area containing the slope extension and the slope embankments.
 - Septic tank and distribution box shall be constructed of concrete as manufactured by L.E. NEED and Son, Newport, N.H. or equivalently constructed tanks.
 - Septic tank and distribution box shall be set as low as possible and sealed watertight. All pipe penetrations shall be sealed with a non-shrink grout or watertight sealant.
 - All PVC pipe joints shall be solvent welded.
 - Should the contractor, prior to the start of construction, find field conditions other than those shown on these plans, he shall immediately cease work and notify the designer.
 - Any future replacement system will be constructed in the same area as the original system unless otherwise shown.
 - Approved plans may be transferred to a new owner by applying to the municipality for a transfer form.
 - "System Sand" Requirements, it is critical to the proper functioning of the Advanced Enviro-Septic System that the proper amount and type of System Sand be installed. System Sand must be clean, granular and free of organic matter and must adhere to the following percentage and quality restrictions.
 - Percentage Restrictions:
 - 0% retained on #10 sieve (2mm)
 - 0% retained on #20 sieve (0.85 mm)
 - 0% retained on #40 sieve (0.425 mm)
 - 0% retained on #60 sieve (0.25 mm)
 - 0% retained on #100 sieve (0.15 mm)
 - 0% retained on #200 sieve (0.075 mm)
 - ASTM C-117 (Concrete sand) may be acceptable for use as System Sand provided that no more than 3% can pass a #200 sieve (verified by washing sample per requirements of ASTM C-117 as noted in the ASTM C-117 specifications).
 - System Sand is placed a minimum of 6 in. below the Advanced Enviro-Septic rows, a minimum of 6 in. above the Advanced Enviro-Septic rows, and a minimum of 12 in. horizontally around the perimeter of the Advanced Enviro-Septic rows. Note: System Sand may be used in place of sand fill; however, this may increase material costs.
 - Fill material is to be used to form the fill extensions and side-slope extensions. This soil material (native to the site or equivalent) should be clean, bank run sand free of topsoil or humus, shreds, or stones larger than 6 in., roots and other organics. The soil should be of sufficient density to contain the System Sand and Sand Fill. See Env-Wy 1021.03.
 - Env-Wy 1021.01 Septic Tank Inspection and Pumping Requirements
 - Septic tanks shall be inspected for accumulation of sludge and surface foam of frequency sufficient to allow the tank to be pumped by a licensed septic hauler when the combined thickness of the sludge and surface foam equal 1/3 or more of the tank depth.
 - Septage and effluent shall be discharged from a septic tank only to:
 - An approved or grandfathered effluent disposal area; or
 - A licensed septic hauling vehicle.
 - Env-Wy 1014.03 (a) Wetlands (if shown) were delineated on the basis of hydrologic vegetation, hydrology, and wetland hydrology in accordance with the techniques outlined in the Corps of Engineers Wetlands Delineation Manual, Technical Report 1-87-1, January 1987. The hydrology soil components were determined by using the "Field Indicators for Identifying Hydric Soils in New England, Version 3", April 2004".
 - EDA shall be kept clear of any trees and shrubs.

- EFFLUENT DISPERSAL AREA REQUIREMENTS**
- PERC RATE 1" IN 8 MIN.
NUMBER OF BEDROOMS 2 + 1 BEDROOM STUDIO APARTMENT
AREA REQUIRED 200 LINEAR FT.
DAILY SEWAGE LOAD : 2 BEDROOMS @150 G/BD + STUDIO APARTMENT @ 225 GPD = 525 GPD.
- DESIGN INTENT**
- THE BOTTOM OF THE EFFLUENT DISPOSAL AREA (EDA) SHALL BE CONSTRUCTED AT 497.35 ELEVATION.
 - THERE ARE APPROXIMATELY 0.65 FEET BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF THE DESIGNED EFFLUENT DISPOSAL AREA (E.D.A.).
 - IN THE EVENT OF FAILURE, SYSTEM IS TO BE REBUILT IN PLACE.
 - ALL EDA LINES SHALL BE SEALED INTO THE SEPTIC TANK AND DISTRIBUTION BOX.
 - All connections between a septic tank and the pipes leading to and exiting from the septic tank shall be sealed with a watertight, flexible joint connector that:
 - Will accommodate normal movement of the septic tank without leaking, cracking, and
 - Has been certified by its manufacturer or distributor as meeting or exceeding the applicable standards in ASTM C 1564-96, section 7.
 - NEAREST SURFACE WATER 75' FROM E.D.A. AND 75' FROM SEPTIC TANKS.
 - NEAREST DWELLING 100'.
 - DISTRIBUTION BOX IS TO BE A 5" OUTLET, CONCRETE BOX, L.E. NEED OR EQUAL.
 - INSTALL FLOW EQUALIZERS IN DISTRIBUTION BOX.
 - DATUM ASSUMED (NOT REFERENCED TO U.S.C.S. DATUM).
 - DESIGNER IS TO BE NOTICED OF ANY FIELD CONDITIONS CONTRARY TO THOSE DEPICTED ON THIS PLAN.
 - THIS PLAN HAS BEEN PREPARED TO ASSIST IN THE INSTALLATION OF A SEPTIC SYSTEM AND THE USE OF THIS DESIGN FOR ANY OTHER PURPOSE IS AT THE USER'S RISK.
 - THERE ARE NO VERY POORLY DRAINED SOILS WITHIN 75' OF SYSTEM AND NO POORLY DRAINED SOILS WITHIN 50' OF SYSTEM.
 - IF A GARBAGE GRINDER IS OR WILL BE USED IN THE STRUCTURE SERVED BY THE TANK, THE TANK SIZE SHALL BE INCREASED BY 50%.
 - THE DISTANCE BETWEEN A SEPTIC TANK AND SURFACE WATER, OPEN DRAINAGE, VERY POORLY DRAINED SOIL, AN OPEN LOOP GEOTHERMAL WELL, OR A PRIVATE ON-SITE WELL MAY BE REDUCED TO 50 FEET IF:
 - PIPE HAVING AN SDR OF 40 OR EQUIVALENT IS USED; AND
 - THE TANK IS EITHER MADE FROM PLASTIC OR COATED WITH A SEALANT TO PREVENT INFILTRATION AND EXFILTRATION.
 - WHEN CHECKING YOU SHOULD CALL DIG SAFE AT #811.
 - Enviro-Septic[®] Wastewater treatment systems are approved by NHDES as ITA in accordance with Part Env-Wy 1024. The system is designed in accordance with the Enviro-Septic[®] & Single Septic Leaching Systems Design and Installation Manual and the Enviro-Septic[®] Wastewater Treatment System Design and Installation Manual New Hampshire State Attachment.
 - Bottom of effluent leaching area is to be 6" below ground at the high corner. This places 100% of the leach field a minimum of 2.5' above SWM and 100% of the leach field a minimum of 3.0' above ledge or impermeable soil.



- "ENVIRO-SEPTIC" NOTES**
- "ENVIRO-SEPTIC" PIPE SHALL BE INSTALLED AS SET FORTH IN THE LATEST REVISED EDITION OF THE "ENVIRO-SEPTIC" DESIGN & INSTALLATION MANUAL FOR THE STATE OF NEW HAMPSHIRE."
 - "ENVIRO-SEPTIC" UNITS ARE AVAILABLE AT L.E. NEED, NEWPORT, NH.
 - WATER PURIFICATION SYSTEMS AND WATER SOFTENERS SHOULD NOT DISCHARGE INTO ANY PRESBY SYSTEM.
- REVISIONS**
5-9-2023, CORRECTED TANK SIZE IN CROSS SECTION, CORRECTION TO EDA AREA REQUIRED SIZE.

REPLACEMENT
INDIVIDUAL SEWAGE DISPOSAL SYSTEM (ISDS)
PREPARED FOR
GARY FACCONO
LOCATED IN
NEW LONDON, NEW HAMPSHIRE
Scale in Feet = 1" = 20'
MAY 3, 2023

NOTE: While every attempt has been made for accuracy of this plan, we cannot guarantee against human error. The contractor shall verify and be responsible for all dimensions and conditions on the project. This office must be notified of any variations from the dimensions and conditions shown on these drawings.

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Date: 5/9/2023
#eCA2023050922

PREPARED BY PIERRE J. BEDARD, and ASSOCIATES, P.C., P.O. BOX 632, NEW LONDON, N.H. 03257.
LAND SURVEYING, SEWAGE DISPOSAL DESIGN, and NATURAL RESOURCE CONSULTANTS.