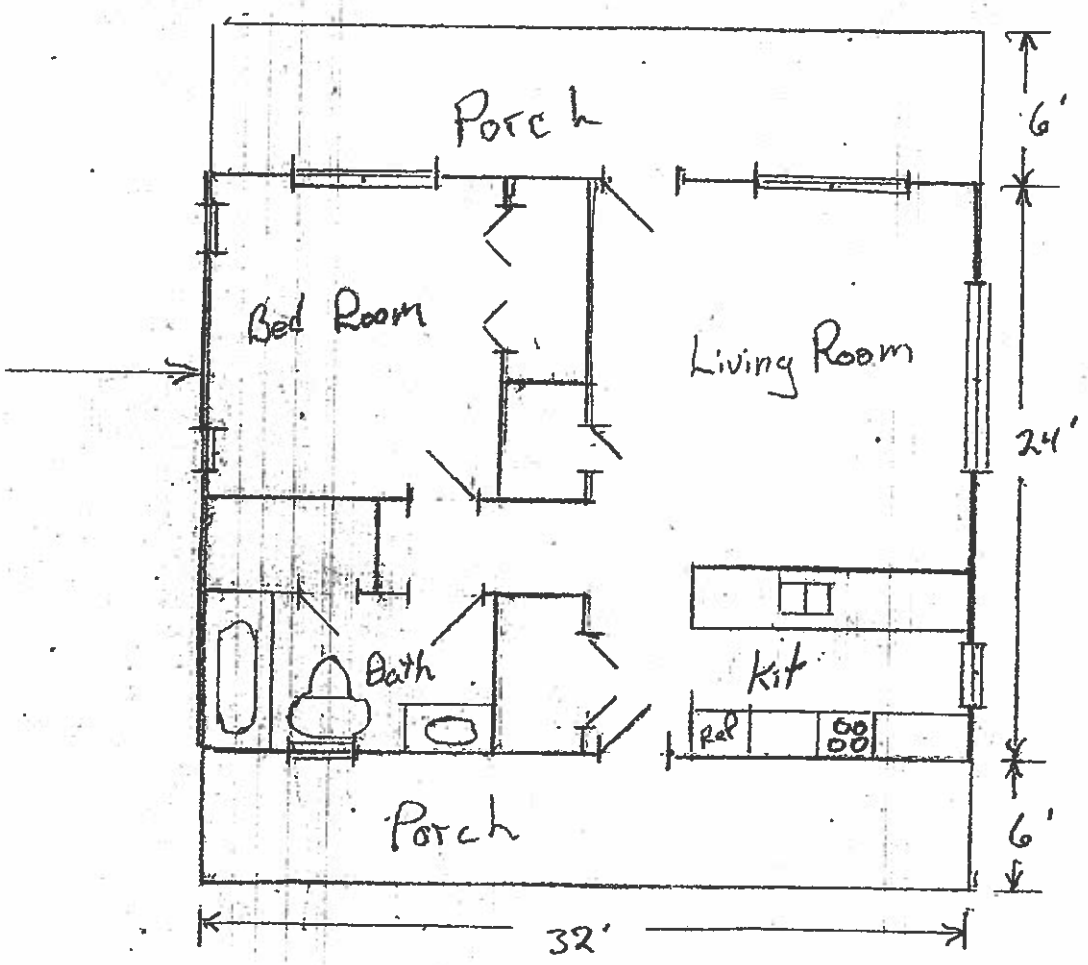
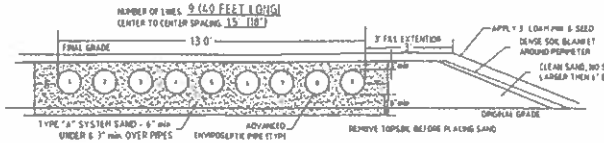

Porch
Bed Room
Living Room
Bath
Kit
Ref
Porch
6'
24'
6'
32'

SECTIONAL INFORMATION - ADVANCED ENVIRO-SEPTIC (A.E.S.)



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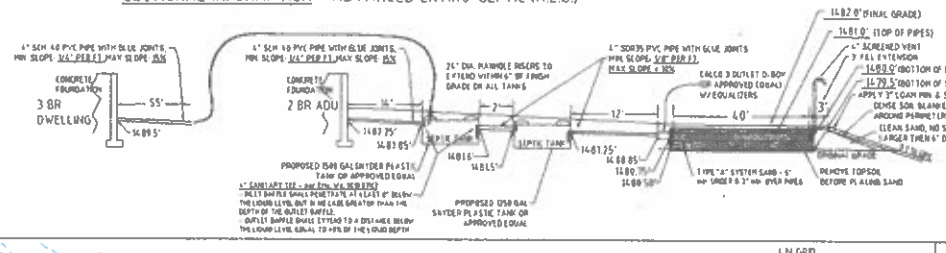


SYSTEM REQUIREMENTS

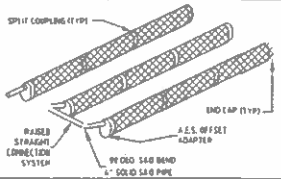
3 BEDROOM DWELLING (450 GPD) AND 2 BEDROOM ADU (300 GPD). TOTAL FLOW = 750 GPD

WITH PERC RATE LISTED ABOVE:
LENGTH OF PIPE REQUIRED 350 FT
USE 360 LINEAR FEET OF A.E.S. PIPING
SEPTIC TANK VOLUME PROVIDED 2,750 GAL

DESIGN INTENT

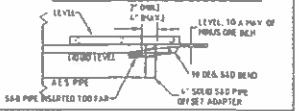
1482.0' (EXISTING GRADE @ HIGH SIDE OF EDA)
SBHT=1482.0-4.8=1477.5 (@ HIGH CORNER OF EDA)
SET BOTTOM OF A.E.S. 2.0' ABOVE SBHT:
1477.5+2.0= 1480.0' (BOT OF PIPES)
1480.0'-1482.0' = -2.0'
THE BOTTOM OF THE PIPES SHALL BE CONSTRUCTED AT 1480.0' ELEVATION, WHICH IS APPROXIMATELY 2 FEET BELOW THE EXISTING GROUND LEVEL AT THE HIGH SIDE OF THE EDA

ADVANCED ENVIRO SEPTIC LEACHING SYSTEM



END VIEW OF A.E.S. DETAIL

SIDE VIEW OF A.E.S. PIPE DETAIL



SYSTEM NOTES:

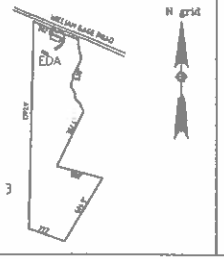
Enviro-Septic® wastewater treatment systems are approved by NHDES as ITA in accordance with Part Env-Wq 1024. The system is designed in accordance with the Enviro-Septic® & Septic Septic Leaching Systems Design and Installation Manual and the Enviro-Septic® Wastewater Treatment Systems Design and Installation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

1) Installation of Enviro-Septic System is to be in strict accordance with the Enviro-Septic Design and Installation Handbook for the State of New Hampshire
2) Use TYPE "A" Sand (see Design Handbook) All fill & sand to be free of debris.
3) All Septic tank(s) perforations to be sealed with a watertight flexible connector
4) Enviro-Septic Lines to be installed level
5) Do not install system in freeze ground.
6) System may be replaced in same location if necessary.
7) If system has existing buildings, all inside plumbing elevations must be checked before installation. Contact the designer if any discrepancies are found.
8) No drains, hot tubs, saunas, garbage disposals, water softeners, etc., shall be hydraulically tied into the system unless otherwise specified
9) If the septic tank is less than 75' from the well, open drainage or poorly drained soils; then the tank shall be coated with a sealant to prevent infiltration & exfiltration AND a 4" sch 40 PVC must be used between the Tank and the EDA.
10) Unless otherwise noted on plan there are no wetlands within 75' of the proposed system in accordance with ENV-WQ 1014.06.
11) There is no known burial plot or cemetery on the lot within 100' of the proposed ISDS in accordance with ENV-WQ 1003 (38)(b)

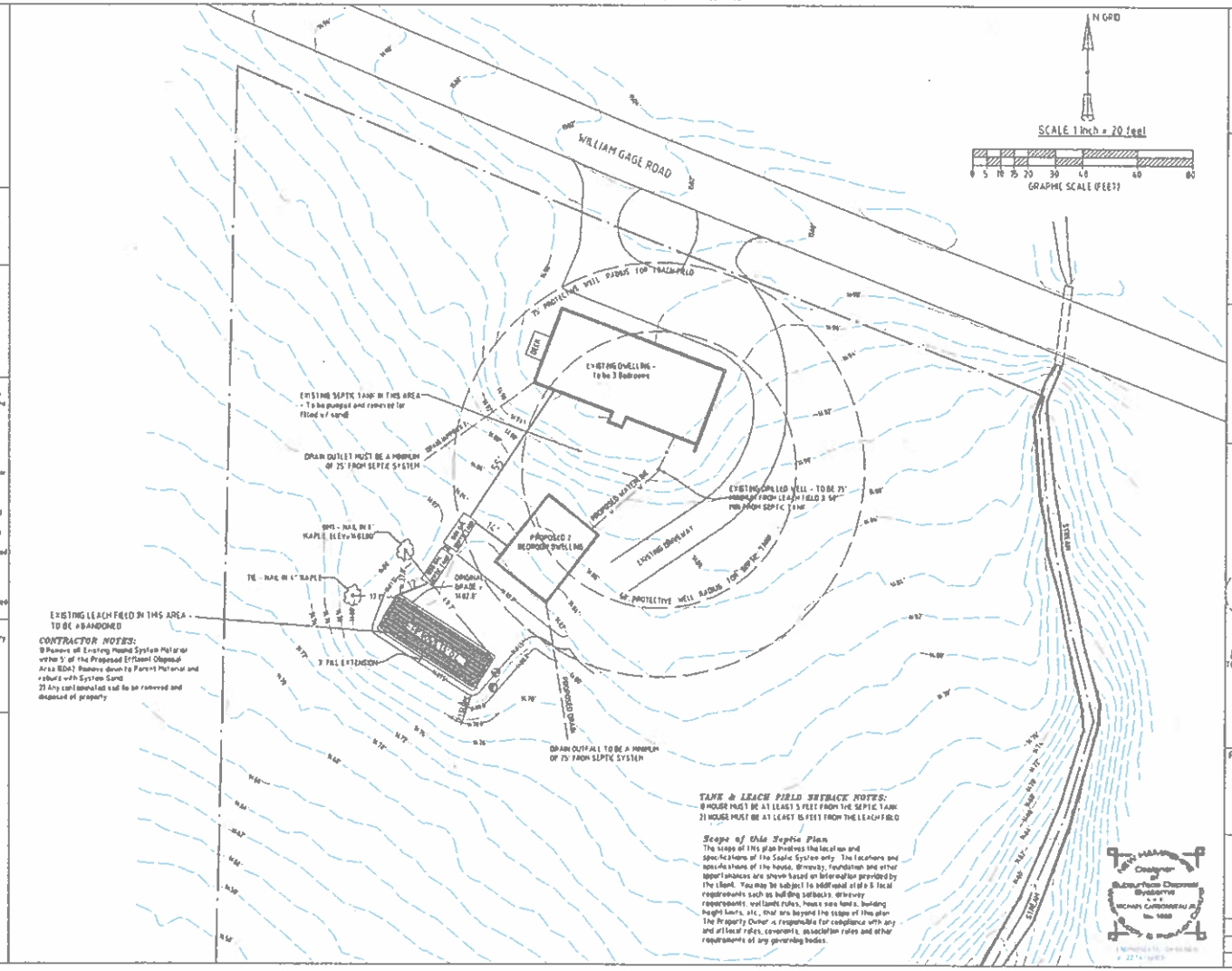
SYSTEM MAINTENANCE:

1) Septic Tank should be inspected at least once a year, and cleaned as necessary
2) Vehicles, heavy equipment and livestock should be kept away from the septic system
3) The following does may shorten the life of the system
- Certain types of water softeners and purifiers
- Garbage Disposals
- Disposal of grease, oils, paints, some cleaners & toxic chemicals
- Hot Tubs, and excessive water usage

PLOT PLAN SCALE 1" = 400'



MAP 211 LOT 3
8.0 ACRES



CONTRACTOR NOTES:

1) Remove all Existing Mound System Material within 5' of the Proposed Effluent Disposal Area (EDA). Remove down to Parent Material and refill with System Sand.
2) Any contaminated soil to be removed and disposed of property

TANK & LEACH FIELD SETBACK NOTES:

1) HOUSE MUST BE AT LEAST 5 FEET FROM THE SEPTIC TANK
2) HOUSE MUST BE AT LEAST 15 FEET FROM THE LEACH FIELD

Scope of this Septic Plan

The scope of this plan involves the location and specifications of the Septic System only. The locations and specifications of the house, driveway, foundation and other appurtenances are shown based on information provided by the client. You may be subject to additional state & local requirements such as building setbacks, driveway requirements, wetlands rules, house new tends, building height limits, etc. that are beyond the scope of this plan. The Property Owner is responsible for compliance with any and all local rules, covenants, association rules and other requirements of any governing bodies.

Designer of Subsurface Disposal Systems
MICHAEL CARBONNEAU JR.
No. 1088
NEW HAMPSHIRE
22 FEET WIDE

GENERAL NOTES:

1) This is not a boundary survey. All property lines shown are approximate. A licensed surveyor should be consulted to accurately determine property lines.
2) This Septic System is designed for RESIDENTIAL use
3) There is no surface water within 75' of the system.
4) Before installation, the installer must verify all elevations and distances. If system has existing buildings, all inside plumbing elevations must be checked before installation
5) This plan has been prepared for the purpose of obtaining permitting for subsurface waste disposal from the NH Dept of Environmental Services. The property owner is responsible for obtaining all other local and state permits necessary for construction.

TEST PIT DATA @

DATE: 5/9/2024 WATER AT: NOT FOUND
ESTIMATED SEASONAL HIGH WATER TABLE (ESHWT) @ 54 INCHES
DEPTH OF LEDGE: NOT FOUND

0-8	10yr 3/2 fsl friable granular
8-40	10 yr 3/2 sandy sand
40-54	10yr 3/6 fsl friable granular
54-66	2.5y 4/4 fsl friable blocky
66-96	5y 5/3 fsl firm blocky

SOIL DATA: ①

SOIL MAPS SHOW THIS SITE IS: NhC Marlow

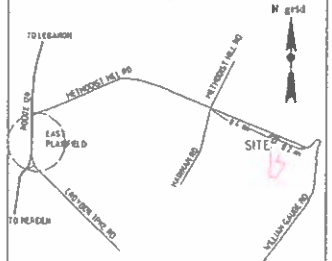
PERCOLATION TEST DATA ①

DATE: 5/9/2024 PERCOLATION RATE: 19 MIN/INCH

WETLAND DELINEATION NOTES:

1) WETLANDS WERE DELINEATED IN ACCORDANCE WITH ENV-WQ 1014.06 BY MICHAEL CARBONNEAU JR., DESIGNER
2) ON 5/9/2024 FOR THE PURPOSE OF LOCATING THE EDA ON THIS PROPERTY
3) NO WETLANDS WERE IDENTIFIED WITHIN 75' OF THE PROPOSED EDA OTHER THAN THOSE DEPICTED ON THIS PLAN

LOCATION MAP (NOT TO SCALE)



1) THIS EXISTING DWELLING IS 0.6 MILES EAST OF THE INTERSECTION OF METHODIST HILL ROAD AND WILLIAM GAUGE ROAD

PREPARED BY:
CONNECTICUT VALLEY DESIGNS
528 HILLTOP ROAD
LITTLETON, NH 03561
603-444-2072

PROPOSED SEPTIC DISPOSAL FACILITIES FOR PROPERTY OF:

Richard Barrow
62 William Gage Road, Plainfield, NH

DRAWN BY: PSW	SCALE: 1"=20'
CHECKED BY: MWC	DATE: 5/13/2024
SHEET 1 OF 1	