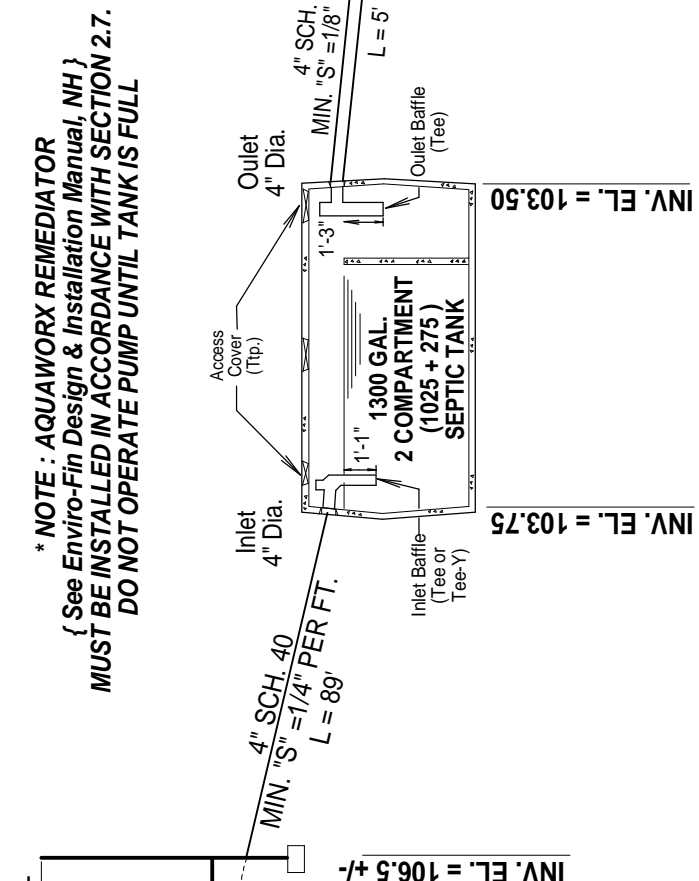


REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
DEPT. OF ENVIRONMENTAL SERVICES
WATER DIVISION

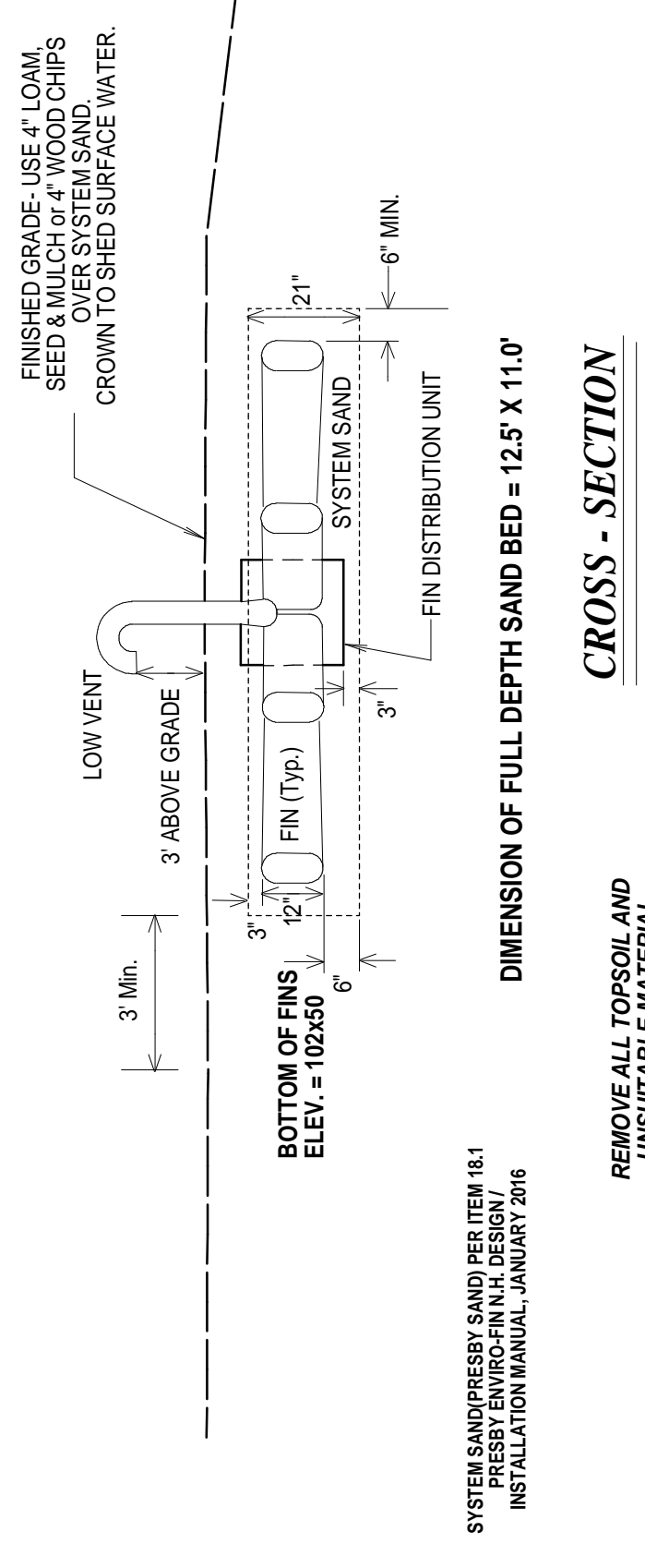
Date: 1/18/2022

#eCA2022011808



SYSTEM PROFILE
NOT TO SCALE

- BOTTOM OF LEACH FIELD - BOTTOM OF ENVIRO-FINS
- SWING TIES ARE TO CORNERS OF FULL DEPTH SYSTEM SAND
- REMOVE STUMPS & BOLLERS WITHIN 10' OF LEACH FIELD
- USE CARE TO DISTURB RECEIVING USE AS MUCH AS POSSIBLE WITH MACHINERY
- ALL MATERIALS AND CONSTRUCTION METHODS TO COMPLY WITH NEW HAMPSHIRE ENVIRONMENTAL SERVICES PERMIT FOR ENVIRONMENTAL, INC., SUGAR HILL NH
- INSTALL LOW VENT LOCATION MAY BE DETERMINED BY HOMEOWNER



CROSS-SECTION
NOT TO SCALE

LOT LOADING CRITERIA:
450 G.P.D. / 2000 G.P.D. PER ACRE - 9.801 S.F. x 2.08 (GRP III, D SLOPE) = 20,386 SQ. FT. REQ'D.
25,416 SQ. FT. PROVIDED

DESIGN DATA : 3 BEDROOMS = 450 GAL. / DAY
FROM MANUFACTURERS TABLE: (Section 2.1, Enviro-Fin Design & Installation Manual, NH, July 2020, note # 2)
450 G.P.D. = 3 UNITS WITH AQUAWORK REMEDIATOR
{ 3 UNITS PROVIDED }

SAND BED AREA :
- 2 MIN. / INCH PERC RATE = 67 SQ. FT. REQ'D.
12.5' X 11.0' = 137.5 S.F. PROVID.
(FULL DEPTH SYSTEM SAND)

DESIGN INTENT: BOTTOM OF LEACH BED (ELEV. 97.45) TO BE NO LOWER THAN 45" BELOW EXISTING GRADE @ HIGH CONTOUR. HIGHEST OLD GROUND ELEVATION IN LEACH FIELD = 101x25.

LAYOUT INFORMATION

DISTANCE FROM:	TBM	REF. STK.
CORNER 'A'	18.4'	30.2'
CORNER 'B'	25.7'	27.5'
CORNER 'C'	34.0'	36.5'
CORNER 'D'	28.9'	40.4'
TANK OUTLET (CENTER)	31.8'	33.1'
TANK INLET (CENTER)	33.5'	35.5'

DIAGONALS: A to C = 16.6' B to D = 16.6'

SOIL DATA

P&C: PERU - very stony fine sandy loam, 8-15% slopes
REF. - MAP 23, SOIL SURVEY OF CARROLL COUNTY 1977

TEST PIT DATA

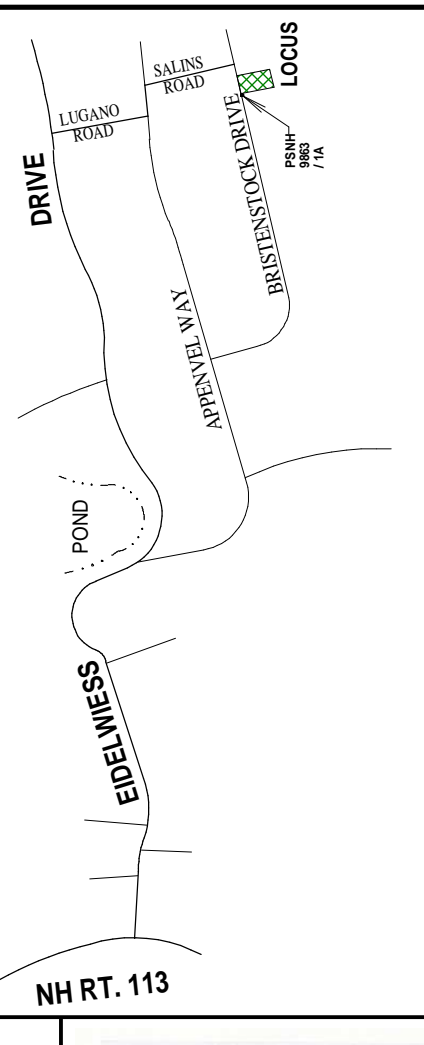
- 0' - 4" DARK BROWN (5YR 2/5) SANDY LOAM
- 4' - 19" FINE SANDY LOAM, SOMEWHAT GRANULAR (5YR 4/4) 10YR 5.6 MOTTLES @ 18"
- 19' - 32' OLIVE BROWN (2.5Y 5/4) SANDY LOAM, GRAVELLY ROOTS TO 28"
- 32' - 72" GRAYISH BROWN (2.5Y 5/2) GRAVELLY LOAM, SOME COBBLES
- NO LEDGE NO WATER ESUWT = 18" PERC RATE 8 MIN. / INCH @ 14"

THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT WITHIN 100 FEET OF ANY COMPONENT OF THE ISDS

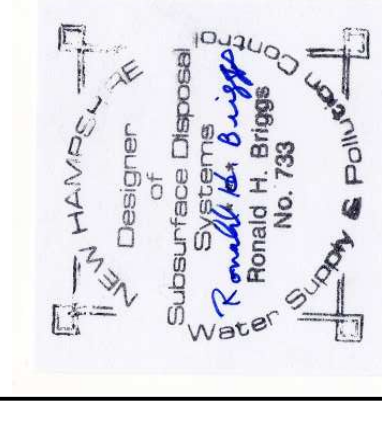
THE WETLANDS WERE INVESTIGATED BY RONALD H. BRIGGS, PERMITTED DESIGNER, IN SEPT. 2021, IN ACCORDANCE WITH CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT 73-C-120 WETLANDS WERE FOUND WITHIN 75' OF SEWAGE DISPOSAL SYSTEM.

- GENERAL NOTES**
- DESIGNER MUST BE NOTIFIED OF ANY SITE CONDITIONS DIFFERENT FROM THOSE SHOWN ON THIS PLAN.
 - ELEVATION DATUM IS ASSUMED. ALL GRADES AND INVERT ELEVATIONS TO BE REFERENCED TO BENCHMARK(S) SHOWN ON THE PLAN.
 - UNLESS SPECIFICALLY NOTED ON THE SYSTEM PROFILE, CONCRETE PRODUCTS MAY BE SUPPLIED BY A. J. FOSS, DEL GILBERT, OR EQUAL.
 - ALL CONNECTIONS BETWEEN A SEPTIC TANK AND THE PIPES LEADING TO AND EXITING FROM THE SEPTIC TANK SHALL BE SEALED WITH A WATER-TIGHT, FLEXIBLE JOINT CONNECTOR THAT WILL ACCOMMODATE NORMAL MOVEMENT OF THE SEPTIC TANK WITHOUT BREAKING OR LEAKING. SEPTIC TANK(S) TO BE ADEQUATELY SEALED TO PREVENT INFILTRATION/EXFILTRATION.
 - THE SLOPE OF THE INTERIOR LENGTH OF ANY PIPE THAT EXTENDS INTO A SEPTIC TANK SHALL NOT EXCEED THE MINIMUM PITCH AS SPECIFIED IN Env-Wq 1009.05(c).
 - INSTALL FLOW EQUALIZERS IN D-BOX WHEN 2 OR MORE OUTLET LINES ARE USED.
 - THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE DISPOSAL.
 - DO NOT DISCHARGE WATER SOFTENER OR TREATMENT BACKWASH INTO THE SEPTIC SYSTEM
 - ALL CONSTRUCTION METHODS & COMPONENTS TO COMPLY WITH NHDES WS1000 SPECS AND ALL REQUIREMENTS OF THE MANUFACTURER.
 - IN THE EVENT OF LEACH BED FAILURE, CONTACT DESIGNER AND INSTALLER FOR ASSISTANCE IN DETERMINING THE REASON FOR THE FAILURE. IF NECESSARY, REBUILD IN PLACE-IN KIND, OR SUBMIT REVISED PLANS.
 - THIS PLAN IS FOR THE CONSTRUCTION OF THE SEWAGE DISPOSAL SYSTEM ONLY. ANYONE USING INFORMATION FROM THIS PLAN FOR ANY OTHER REASON DOES SO AT THEIR OWN RISK.
 - THE DRIVEWAY PERMIT IS NOT A PART OF THIS APPLICATION, AND WHEN REQUIRED SHALL BE OBTAINED BY OWNER.

LOCATION SKETCH
SCALE: 1" = 2000'



THIS PLAN COMPLIES WITH ALL LOCAL REGULATIONS WHICH ARE APPLICABLE



SEWAGE DISPOSAL SYSTEM PLAN AND DETAILS
LOCATED IN MADISON, NH

PREPARED FOR: **ROBERT B. WEST, JR.**
Map 114 / Lot 14 - 23 BRISTENSTOCK DRIVE

PREPARED BY: BRIGGS LAND SURVEYING
P.O. BOX 1587
CONWAY, NH 03818
Tel: (603) 447-6647

SCALE: AS NOTED
DATE: 28 SEPTEMBER 2011

NHDES CONSTRUCTION APPROVAL #
FILE NO. 210909
DWG. NO. - SS1

PROPERTY DATA

- TOWN TAX MAP # 114 LOT # 14
- CARROLL CO. REGISTRY BK. 3689 / PG. 751
- SUBDIVISION NAME: EDELWEISS - WEST PART OF SECTION F, LOT 77
- CARROLL CO. REG. PLAN BK. 15 / PG. 18
- NHDES SUBD. APPVL # 3034
- PRIORITY NHDES CONST. APPVL # CA2011 106870

NO SURFACE WATERS, WELLS, OR WETLANDS WITHIN 75' OF PROPOSED SEWAGE DISPOSAL SYSTEM

THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY, AND CANNOT BE USED AS SUCH



Scale: 1" = 20'