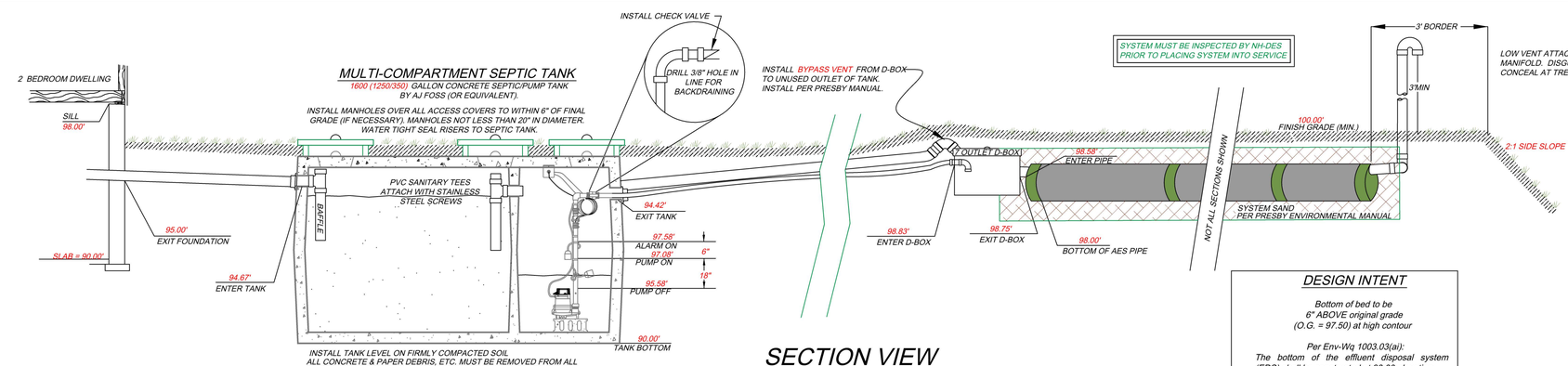



## MULTI-COMPARTMENT SEPTIC TANK

1600 (1250/350) GALLON CONCRETE SEPTIC/PUMP TANK
BY AJ FOSS (OR EQUIVALENT).

INSTALL MANHOLES OVER ALL ACCESS COVERS TO WITHIN 6" OF FINAL GRADE (IF NECESSARY). MANHOLES NOT LESS THAN 20" IN DIAMETER. WATER TIGHT SEAL RISERS TO SEPTIC TANK.

INSTALL TANK LEVEL ON FIRMLY COMPACTED SOIL. ALL CONCRETE & PAPER DEBRIS, ETC. MUST BE REMOVED FROM ALL TANK COMPARTMENTS BEFORE USE. TANK MUST BE SWEPT CLEAN.

## SECTION VIEW

(NOT TO SCALE)

## CALCULATED LOADING

| | |
|---|---|
| TOTAL LAND AREA | 0.40 AC |
| LESS: 75' WELL RADIUS | -0.23 AC |
| TOTAL USEABLE LAND AREA | 0.17 AC |
| TOTAL USEABLE LAND AREA = | 0.17 ACRE |

0.17 AC X 2000 / 1.6 = 212.5 GALLONS PER DAY ALLOWED
PROPOSED LOADING = 300 GALLONS PER DAY

## MYERS ME3H:

TOTAL DYNAMIC HEAD: 8.45'
DELIVERY: 33.8 GPM
STATIC HEAD: 7.58'
FRICTION LOSS: 0.87'
PUMP SWITCH (OFF TO ON): 10"
ACTUAL DOSE: 70.00 GALS

## DESIGN INTENT

Bottom of bed to be
6" ABOVE original grade
(O.G. = 97.50) at high contour

Per Env-Wq 1003.03(ai):
The bottom of the effluent disposal system (EDS) shall be constructed at 98.00 elevation. There are 6 inches ABOVE original ground on the high contour of the designed EDS.

## NOTES

1. SYSTEM TO BE INSTALLED IN ACCORDANCE WITH PRODUCT DESIGN AND INSTALLATION MANUAL, STATE AND LOCAL REGULATIONS. FOR PRODUCT INFORMATION OR THE NEAREST DEALER CONTACT PRESBY ENVIRONMENTAL, INC. 143 AIRPORT ROAD, WHITEFIELD, NH 03598, PHONE 1-800-473-5298 WWW.PRESBYENVIRONMENTAL.COM
2. TOPSOIL, STUMPS, ROOTS AND ROCKS TO BE REMOVED UNDER EDS AND OVERFILL AREA. NO PNEUMATIC TIRE EQUIPMENT TO BE USED IN BASAL AREA. CAUTION TO BE EXERCISED DURING SITE PREPARATION AND FILL PLACEMENT TO AVOID COMPACTION AND SMEARING OF INFILTRATIVE SURFACE. HAND RAKE BASAL AREA PRIOR TO FILL PLACEMENT. MAINTAIN 8"-12" OF FILL BETWEEN EQUIPMENT AND PREPARED SURFACE. SAND FILL - PER ENV-WQ 1021.03, THE FILL MATERIAL SHALL BE CLEAN, MEDIUM TO COARSE TEXTURED SAND WITH AN EFFECTIVE SIZE OF 0.5-2.0MM, NO GREATER THAN 5% PASSING THE #200 SIEVE, AND NO PARTICLES LARGER THAN 3/4". SYSTEM SAND - ADVANCED ENVIROSEPTIC™. A MINIMUM OF 6" OF "SYSTEM SAND" SHALL BE PLACED ABOVE AND BENEATH AND 12" AROUND THE PERIMETER OF THE ADVANCED ENVIROSEPTIC PIPES. "SYSTEM SAND" MUST MEET EITHER THE PRESBY REQUIREMENT OR ASTM STANDARD C-33 ("CONCRETE SAND") MAY BE USED AS AN ACCEPTABLE SUBSTITUTE.
3. INSTALLER ADVISED TO CONTACT DIG SAFE PRIOR TO CONSTRUCTION.
4. DO NOT INSTALL SYSTEM ON FROZEN GROUND OR LEAVE SYSTEM UNCOVERED FOR EXTENDED PERIODS OF TIME.
5. INSTALL MYERS ME3H PUMP (SET ON 4" BLOCK), DOUBLE FLOAT PUMP SWITCH MODEL 20DFD BY SJ ELECTRO SYSTEMS, INC., AND MARTINSON QUICK DISCONNECT MODEL NGRD8 (OR EQUAL) FOR PUMP REMOVAL. FLOAT FOR ALARM TO BE INSTALLED IN PUMP CHAMBER AND SET AT ELEVATION SPECIFIED. AUDIBLE/VISUAL ALARM TO BE INSTALLED IN PROMINENT LOCATION IN/ON BUILDING. SEPARATE ELECTRONIC CIRCUITS SHALL BE PROVIDED FOR PUMP AND ALARM.
6. BACKFILL TOP OF ADVANCED ENVIRO-SEPTIC PIPE WITH 8" SYSTEM SAND THEN OVERFILL WITH 4" LOAM. USE TRACKED VEHICLE AND AVOID CRUSHING OR MOVING SEWER PIPE. THERE IS TO BE A 3' BORDER AROUND THE OUTSIDE PERIMETER OF THE SYSTEM BEFORE 2:1 SIDE SLOPES BEGIN. PER ENV-WQ 1021.04 EXTENSION OF FILL: THERE SHALL BE A MINIMUM OF A 3-INCH LAYER OF LOAM SUITABLE FOR SEEDING AND PROPER STABILIZATION OF THE SLOPE.
7. NO DRAINS, HOT TUBS, SAUNAS, GARBAGE DISPOSALS ETC., SHALL BE INCORPORATED INTO THIS SYSTEM UNLESS OTHERWISE SPECIFIED.
8. MAINTENANCE: RECOMMEND INSPECTION OF SEPTIC TANKS AT LEAST ONCE EVERY TWO YEARS AND CLEAN IF COMBINED THICKNESS OF SLUDGE AND SCUM EQUALS MORE THAN 1/4 OF THE LIQUID DEPTH INSIDE THE TANK.
9. THIS DOCUMENT IS FOR THE CONSTRUCTION OF THE EFFLUENT DISPOSAL SYSTEM SHOWN. ANYONE USING INFORMATION FROM THIS DOCUMENT FOR ANY OTHER PURPOSE DOES SO AT THEIR OWN RISK.
10. SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH ENV-WQ 1000.
11. "APPROVAL FOR CONSTRUCTION" IS VALID FOR 4 YEARS FROM DATE OF ISSUE.

- ANY CHANGES OR DEVIATIONS FROM THIS PLAN MAY REQUIRE REVISED OR AMENDED PLANS AND RE-SUBMITTAL FOR APPROVAL (INCURRING ADDITIONAL FEES).
- THIS PLAN CONFORMS TO LOCAL REGULATIONS.
- THIS IS A SITE PLAN AND NOT A FORMAL SURVEY.
- VERY POORLY DRAINED (HYDRIC "A") SOILS LOCATED GREATER THAN 100'+ FROM EDS. JURISDICTIONAL POORLY DRAINED (HYDRIC "B") SOILS LOCATED GREATER THAN 50'+ FROM EDS.
- THERE ARE NO KNOWN BURIAL SITES OR CEMETERIES ON THIS LOT WITHIN 100 FEET OF ANY COMPONENT OF THE PROPOSED ISDS.
- ADVANCED ENVIRO-SEPTIC TREATMENT SYSTEMS ARE APPROVED BY NHDES AS ITA IN ACCORDANCE WITH PART ENV-WQ 1024.08(C); SPECIFICALLY APPROVAL #2010-07-01. ENVIRO-SEPTIC WASTEWATER TREATMENT SYSTEMS ARE APPROVED BY NHDES AS ITA IN ACCORDANCE WITH PART ENV-WQ 1024; SPECIFICALLY APPROVAL #2008-03-01.THE SYSTEM IS DESIGNED IN ACCORDANCE WITH ADVANCED ENVIRO-SEPTIC WASTEWATER TREATMENT SYSTEM DESIGN AND INSTALLATION MANUAL AND THE ENVIRO-SEPTIC WASTEWATER TREATMENT SYSTEMS DESIGN AND INSTALLATION MANUAL NEW HAMPSHIRE STATE ATTACHMENT.

## DESIGN CRITERIA

- LOADING: (2) BEDROOMS @ 150 GPD EACH = 300 GALS/DAY

| | |
|---|---|
| - PERCOLATION RATE: | 10 MPI |
| - AES PIPE REQUIRED: | 140 LINEAR FEET |
| - AES PIPE PROVIDED: | 160 LINEAR FEET |

- INSTALL (8) ROWS OF AES PIPE @ 20' LONG.

| | |
|---|---|
| - SEPTIC TANK VOLUME REQUIRED: | 1250 GALLONS |
| - SEPTIC TANK VOLUME PROVIDED: | 1250 GALLONS |

- SEPTIC TANK CAPACITY DOES NOT ALLOW FOR USE OF GARBAGE GRINDER.
- NO PRODUCT SUBSTITUTIONS PERMITTED WITHOUT PRIOR APPROVAL OF DESIGNER.

## SOIL INFORMATION

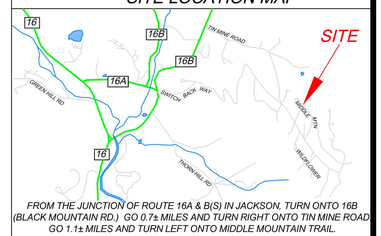
MAP SYMBOL AND NAME: 716F / MARLOW
PER USDA WEB SOIL SURVEY

DATE: 05/29/2024
PERC. TEST: 10 MPI
S.H.W.T. / MOTTLING @ 26"
ROOTS @ 41"
NO H2O
NO LEDGE

DATE: 05/29/2024
TEST PIT

| | |
|---|---|
| | FOREST MATERIAL & LOAM |
| 4" | FRIABLE GRANULAR, YELLOWISH BROWN (10YR3/4) FINE TEXTURE, SANDY LOAM |
| 16" | FRIABLE GRANULAR, YELLOWISH BROWN (10YR3/6) FINE TEXTURE, SANDY LOAM |
| 26" | FRIABLE GRANULAR, LIGHT OLIVE BROWN (2.5Y5/4) FINE TEXTURE, LOAMY SAND |
| 33" | FIRM PLATY, DARK OLIVE BROWN (2.5Y3/3) FINE TEXTURE, SANDY LOAM |
| 38" | FIRM PLATY, OLIVE (5Y4/4) FINE TEXTURE, SANDY LOAM |
| 52" | |

## SITE LOCATION MAP




FROM THE JUNCTION OF ROUTE 16A & B(S) IN JACKSON, TURN ONTO 16B (BLACK MOUNTAIN RD.) GO 0.7± MILES AND TURN RIGHT ONTO TIN MINE ROAD GO 1.1± MILES AND TURN LEFT ONTO MIDDLE MOUNTAIN TRAIL. GO 0.3± MILES TO SITE ON LEFT.


INSTALLER TO VERIFY ALL ELEVATIONS (SILL/SLAB, BENCHMARKS, PROPOSED GRADES PRIOR TO START OF CONSTRUCTION. NOTIFY DESIGNER OF ANY DISCREPANCIES BETWEEN THIS PLAN AND PHYSICAL CONDITIONS.

## LEGEND

- BENCH MARK
- EROSION CONTROL
- WELL
- STONE WALL
- PROPERTY LINE
- TREE LINE

PER ENV-WQ 1014.06 (a) DELINEATION OF WETLANDS; HYDRIC SOILS DETERMINATIONS: ANY WETLANDS WITHIN 75' OF THE PROPOSED E.D.A. HAVE BEEN DELINEATED IN ACCORDANCE WITH RSA 482-A AND ENV-WT 100.

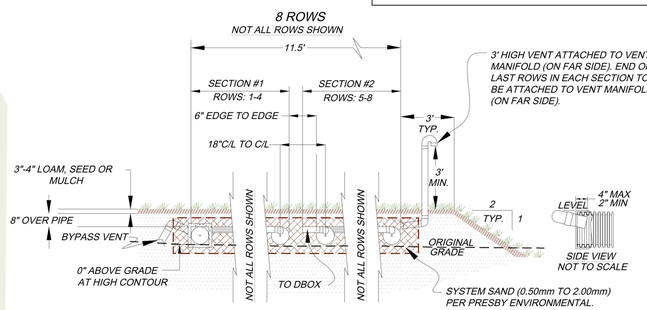
## SITE PLAN

SCALE: 1" = 20'

10 0 40
20 5 20 60

## 8 ROWS

NOT ALL ROWS SHOWN




PER TOWN OF JACKSON ZONING ORDINANCE 2020

4.1.6 Site Disturbance (added 3/10/2009; amended 3/10/2015)
Any Site Disturbance, Land Development, or activities that alter watercourses shall be designed and performed reasonably to prevent increased rate of run-off, soil loss, or Erosion from the site or lot.

4.1.6.1 Design guidelines which may be used by developers, individual landowners, engineers, and others planning Site Disturbance or Land Development activities will be available in the Town Offices for review and use in designing site work so as to minimize Erosion and Sedimentation.

4.1.6.2 All areas of Site Disturbance and Land Development still in progress at approach of winter shall be stabilized against Erosion and Sedimentation prior to November 15th, to minimize soil depletion and degradation over winter.

TOWN OF JACKSON
ZONING ORDINANCE

____ APPROVED
_X_ APPROVED AS NOTED
____ NOT APPROVED, RESUBMIT

Approval is for compliance with the Town of Jackson Zoning Ordinance and does not imply or guarantee approval by the New Hampshire Department of Environmental Services.

REC'D 6/23/24 CKD BHDP,CS RETURN 7/8/24

Notes: Do not change the stormwater discharge direction from the property unless written permission is granted from those impacted.

THIS SUBSURFACE APPLICATION REPLACES eCA2016060721, DATED 06/07/2016.

NEW HAMPSHIRE
Designer
of
Subsurface Disposal
Systems
* * *
Robert J. Eich
No. 1750
Water Supply & Pollution Control


PREPARED BY:
GREAT NORTH WOODS SEPTIC DESIGN
ROBERT EICH
29 BROOKLYN STREET
GROVETON, NH
603-331-3374
NH DESIGNER #1750


EFFLUENT DISPOSAL SYSTEM DESIGN FOR:
KATHERINE HUNT & DAVID ANDREW, JR.
MCNEIL
TAX MAP V8, LOT 212
MIDDLE MOUNTAIN TRAIL, JACKSON, NH

| | |
|---|---|
| DATE: | JUNE 9, 2024 REVISED JUNE 23, 2024 |
| DRAWN BY: | RJE |
| PLAN NUMBER: | 2024-015 |