##MINIMUM ELEVATIONS FOR SEPTIC SYSTEM ONLY. SILL/ SLAB ELEVATIONS TO BE DETERMINED BY CONTRACTOR.

NOTE: 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.

SYSTEM NOTES: *=TOWN MIN. REQ.

1) NO SURFACE WATER/ VERY POORLY DRAINED SOILS WITHIN 75 FEET OF THE EDA.
2) NO POORLY DRAINED SOILS WITHIN *75 FEET OF THE EDA.
3) NO PRIVATE WELLS WITHIN # FEET OF THE EDA. #=SEE WAIVER REQUEST
4) EXPOSED LEDGE IS WITHIN 75 FEET OF THE EDA.
5) WATERLINE MUST BE 25 FOOT MINIMUM FROM EDA.
6) SUITABLE REPLACEMENT AREA, IN PLACE OR REDESIGN.
7) FOUNDATION DRAINS, 15ft MIN. TO EDA & 5ft MIN. TO TANK. W/O DRAINS, 10Ft MIN. TO EDA & 5ft MIN. TO TANK.

NOTE: ALL COMPONENTS UNDER PAVEMENT OR ROADWAY TO BE H-20

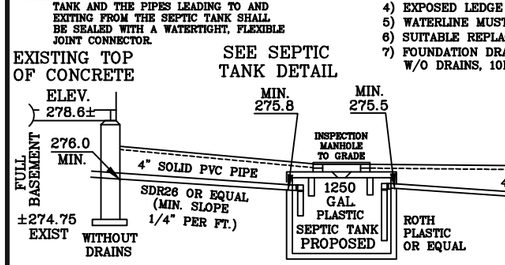
CONTRACTOR SHOULD USE CARE TO INSURE ADEQUATE BACKFILLING AND PROPER COMPACTION AROUND ALL PIPES. WHERE VEHICULAR TRAFFIC IS ANTICIPATED, CONSIDERATION SHOULD BE GIVEN TO DEPTH OF PIPE TO AVOID CRUSHING. (IF NECESSARY, CONTACT DESIGNER FOR ADVICE)

SEE "INSTALLATION MANUAL" FOR VENTING TIPS & REQUIREMENTS

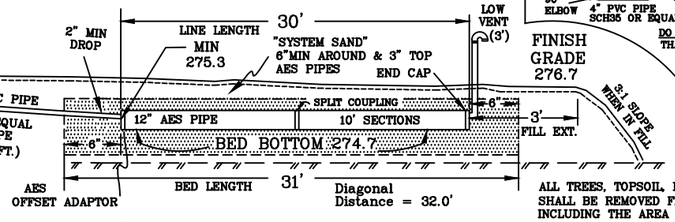
**** IMPORTANT SYSTEM NOTICES ***

1) ADVANCED ENVIRO-SEPTIC (AES) TREATMENT SYSTEMS ARE APPROVED BY NHDES AS AN ITA IN ACCORDANCE WITH PART Env-Wq 1024. (ITA) INNOVATIVE/ALTERNATIVE TECHNOLOGY APPROVAL 2010-07-01.
2) SYSTEM TO BE INSTALLED IN ACCORDANCE WITH PRODUCT DESIGN AND INSTALLATION MANUAL, STATE AND LOCAL REGULATIONS. INSTALLER SHALL READ AND THEN UTILIZE THE "PRESBY INSTALLATION MANUAL" AS PART OF THE CONSTRUCTION OF THE SYSTEM.
3) THE SYSTEM IS DESIGNED IN ACCORDANCE WITH THE LATEST VERSION OF THE PRESBY WASTEWATER TREATMENT SYSTEM - NEW HAMPSHIRE DESIGN AND INSTALLATION MANUAL".
4) FOR PRODUCT INFORMATION, NEAREST PRODUCT DEALER OR INSTALLER CONCERNS, COMMENTS OR IDEAS, PLEASE CONTACT:

PRESBY ENVIRONMENTAL, INC.
RTE 117 - PO BOX 617 - SUGAR HILL, N.H. 03585
phone 1-800-473-5298
www.PresbyEnvironmental.com

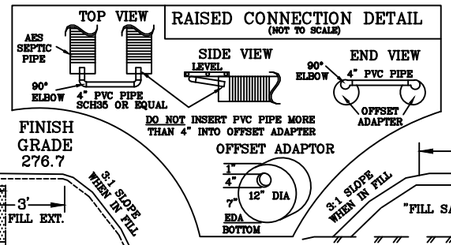


NOTE: FOR TANK JOINTS & PIPE PENETRATIONS USE CON-SEAL OR EQUAL SEPTIC TANK TO BE PROPERLY CURED PRECAST. CONCRETE OR EQUIVALENT. MAXIMUM LIQUID DEPTH TO BE 5 FEET.

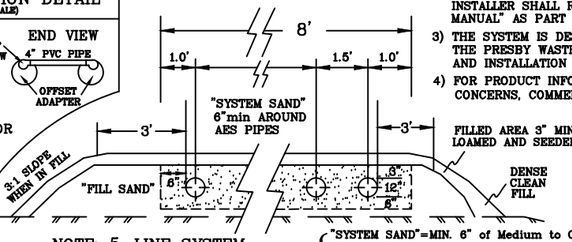


AES BED BOTTOM TO BE LEVEL

CROSS SECTION DISPOSAL SYSTEM



ALL TREES, TOPSOIL, ROOTS AND ORGANIC MATTER SHALL BE REMOVED FROM THE AREA TO BE FILLED, INCLUDING THE AREA UNDER THE 3:1 SLOPE. FILL MATERIAL TO BE "FILL SAND".



NOTE: 5 LINE SYSTEM

"FILL SAND"=Medium to Coarse Sand, Size 0.25 to 2.0mm , No >6% passing the #200 sieve, & no particle size > 3/4". or ASTM C-33 Sand specs.

"SYSTEM SAND"=MIN. 6" of Medium to Coarse Sand, with less than 2% passing the #200 seive, required around circumference of AES Pipes (See Manual for complete sand and fill specifications).

NRCS (SCS) SOIL TYPE

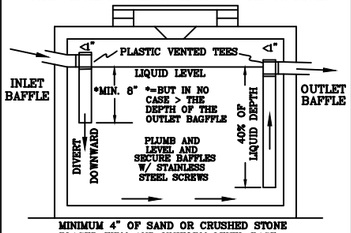
140=Chatfield/Hollis/Canton complex

SOURCE:
Rockingham County Soil Survey
October 1994 - Map 12

SEPTIC TANK DETAIL

(See Env-Wq 1010)
(nts)

PROVIDE AT LEAST ONE REMOVABLE COVER TO GRADE. SCREW LOCKING COVER TO BE 20"-24" DIA. OR EQUAL

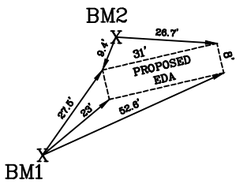


MINIMUM 4" OF SAND OR CRUSHED STONE PLACED FIRM AND UNIFORM LEVEL BASE. NO BOULDERS OR ROCK EDGES OR AGGREGATE >3" IN SIZE.

BOTTOM OF TANK NO <15ft BELOW GRADE OF PUMP TRUCK TANK TO BE WITHIN 125ft OF TRUCK AT ROAD OR DRIVEWAY

EDA TIES

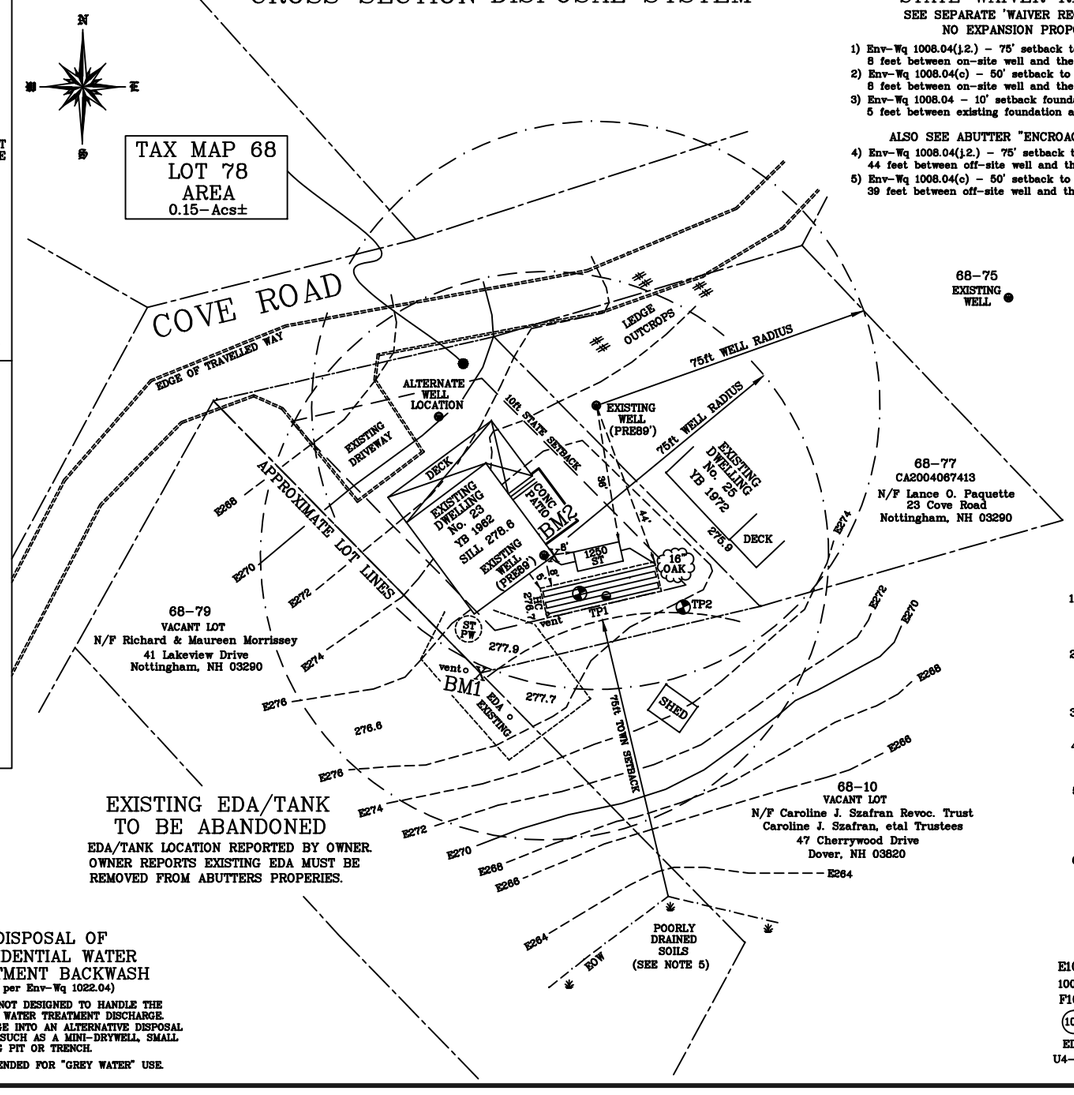
(SCALE 1"=20')



BENCH MARKS:

"Vertical Datum as per Approx. NGVD29' Datum"

1. Top of Rebar with Plastic ID Cap Elev = 278.25 (flush)
2. Cornerboard at Existing Dwelling Sill Elev = 278.6 - (1.9ft down 276.7)



EXISTING EDA/TANK TO BE ABANDONED

EDA/TANK LOCATION REPORTED BY OWNER. OWNER REPORTS EXISTING EDA MUST BE REMOVED FROM ABUTTERS PROPERIES.

STATE WAIVER REQUESTS:

SEE SEPARATE 'WAIVER REQUEST FORMS'
NO EXPANSION PROPOSED

1) Env-Wq 1008.04(j.2.) - 75' setback to water supply (well). 8 feet between on-site well and the proposed bed.
2) Env-Wq 1008.04(c) - 50' setback to water supply (well). 8 feet between on-site well and the proposed septic tank.
3) Env-Wq 1008.04 - 10' setback foundation w/o drains to bed. 5 feet between existing foundation and the proposed bed.

ALSO SEE ABUTTER "ENCROACHMENT WAIVER"

4) Env-Wq 1008.04(j.2.) - 75' setback to water supply (well). 44 feet between off-site well and the proposed bed.
5) Env-Wq 1008.04(c) - 50' setback to water supply (well). 39 feet between off-site well and the proposed septic tank.

AES SIZING:

*See Linear Footage - Table A 'AES' Reference Manual
PERCOLATION RATE: 10 Min/1"
EXISTING NUMBER OF BEDROOMS: TWO(2) MAX.
TOTAL LOADING: 300 GPD
140 LINEAR FEET REQUIRED
150 LINEAR FEET PROVIDED
INSTALL: (5) 30FT LINES
SPACED 1.5FT ON CENTER
SIZE=8FT x 31FT

DESIGN INTENT:

"THE BOTTOM OF THE EFFLUENT DISPOSAL AREA (EDA) SHALL BE CONSTRUCTED AT 274.7 ELEVATION";
"THERE IS APPROXIMATELY 2.0 FEET BELOW ORIGINAL GROUND ON THE HIGH CONTOUR (HC) OF THE DESIGNED EFFLUENT DISPOSAL AREA (EDA)"
HC=276.7-2.0=274.7BB
MIN. 2.3ft ABOVE LEDGE

NOTES:

1) THIS PLAN IS FOR WATER POLLUTION PURPOSES ONLY. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. LOT LINES SHOWN ARE APPROXIMATE. IF NEEDED, LOTLINES SHOULD BE VERIFIED BY A LICENSED LAND SURVEYOR.
2) EXACT COMPLIANCE WITH THE "APPROVED" PLAN IS NECESSARY TO MEET STATE REQUIREMENTS. CHANGES ARE COMMON, BUT WILL REQUIRE "AMENDED" OR "REVISED" PLANS. CONTACT DESIGNER PRIOR TO ANY CHANGES.
3) CONTRACTOR SHOULD CHECK TOWN BUILDING & ZONING REQUIREMENTS PRIOR TO CONSTRUCTION.
4) GARBAGE DISPOSALS OR WATER SOFTENERS NOT RECOMMENDED. SYSTEM NOT DESIGNED TO HANDLE THESE UNIT'S. IF EITHER UNIT IS TO BE USED, CONTACT DESIGNER.
5) THE WETLAND SHOWN WAS DELINEATED IN ACCORDANCE WITH THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1", JANUARY 1987, AND THE "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, LATEST VERSION, AND NHDES Env-Wq 1014.06.
6) THERE IS NO EVIDENCE OF ANY APPARENT BURIAL SITES/ CEMETERIES WITHIN 100FT OF ANY SEPTIC COMPONENT.

KEY LEGEND

E100	EXISTING CONTOUR
100.0	EXISTING SPOT ELEVATION
F100	PROPOSED FINISHED CONTOUR
(100)	PROPOSED SPOT ELEVATION
EDA	EFFLUENT DISPOSAL SYSTEM
U4-120	TAX MAP & LOT NUMBER

'RECEIVING LAYER CREATION' FILL MATERIAL

1) CONTAINS NO TREE STUMPS, SAWDUST, WOOD CHIPS, TREE BARK, BRICKS, ASPHALT, CONCRETE, METAL, WALLBOARD, CONSTRUCTION DEBRIS, OROTHER SUCH NON-SOIL MATERIALS.
2) CONTAIN NO MORE THAN 25% BY VOLUME OF COBBLES LARGER THAN 6 INCHES IN DIAMETER OR STONES LARGER THAN 12" IN DIA..
3) HAVE A PERCOLATION RATE OF NOT GREATER THAN 15 MINUTES INCH AFTER PLACEMENT AND COMPACTION.
4) BE HOMOGENEOUS.(per Env-Wq 1014.01)

PERCOLATION TEST DATA

DATE TEST CONDUCTED: Oct. 16, 2019
RESULTS: 10 min/1"
DEPTH OF HOLE: 30"

TEST PIT DATA

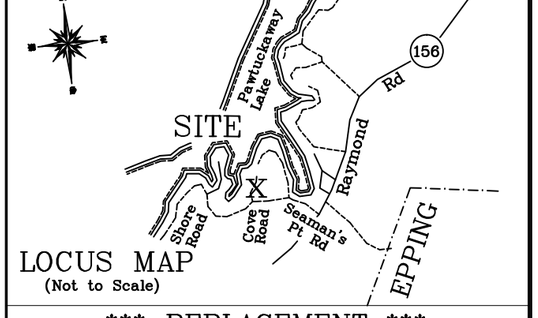
ACKNOWLEDGED BY: WITNESSED BY: Dale Sylvia, BI
OBSERVED BY: Peter D. Landry, Designer
DATE: October 16, 2019

TP1 Elev. (276.5)

12"	10YR3/3 - Fine Sandy Loam Granular - Friable (FILL)
25"	10YR6/4 - Fine Sandy Loam Granular - Friable (FILL)
34"	10YR3/3 - Fine Sandy Loam Massive - Friable
52"	2.5Y5/4 - Gravelly Fine Sandy Loam Massive - Friable
(272.2)	Total to Ledge Refusal No ESHWT Observed No Water Observed

TP2 Elev. (275.7)

18"	10YR2/2 - Fine Sandy Loam Granular - Friable
24"	7.5Y5/6 - Fine Sandy Loam Granular - Friable
40"	10YR5/4 - Fine Sandy Loam Granular - Friable
(272.4)	Total to Ledge Refusal No ESHWT Observed No Water Observed



LOCUS MAP
(Not to Scale)

*** REPLACEMENT ***
ADVANCED ENVIRO-SEPTIC (AES) SEPTIC SYSTEM PLAN
23 COVE ROAD
NOTTINGHAM, NH

SUBDIVISION APPROVAL No. predates 67'
PREVIOUS CONSTRUCTION APPROVAL No. CA2004067156
TAX MAP 68 LOT 78

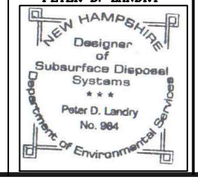
SCALE: 1"=20'

John A. & Lisa R. Morin
OWNER: 23 Cove Road
Nottingham, NH 03290

APPLICANT: LANDRY SURVEYING, LLC
248 MILL POND ROAD-NOTTINGHAM, NH
DATE: October 2019 (603) 679-1387

SEE APPROVAL SLIP FOR ANY CONDITIONS OR REVISIONS.

PERMITTED N.H. DESIGNER
PETER D. LANDRY



RESERVED FOR NHDES e-APPROVAL

DISPOSAL OF RESIDENTIAL WATER TREATMENT BACKWASH

(as per Env-Wq 1022.04)

1) SYSTEM NOT DESIGNED TO HANDLE THE EXISTING WATER TREATMENT DISCHARGE. DISCHARGE INTO AN ALTERNATIVE DISPOSAL SYSTEM, SUCH AS A MINI-DRYWELL, SMALL LEACHING PIT OR TRENCH.
2) NOT INTENDED FOR "GREY WATER" USE.

Job No. 1426