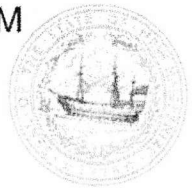


APPLICATION FOR AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM
 Water Division/ Subsurface Systems Bureau
 Land Resources Management



RSA/Rule: RSA 485-A, Env-Wq 1000

Work Number:	Check No:	Amount:	Initials:
Administrative Use Only	Administrative Use Only	Administrative Use Only	Administrative Use Only
1. TYPE OF SYSTEM (Fee \$300 per System)			
<input checked="" type="checkbox"/> New System	<input type="checkbox"/> Replacement System	<input type="checkbox"/> Replacement Failed System	<input type="checkbox"/> Collection System
2. SPECIAL TYPES OF SYSTEMS			
REPLACEMENT SYSTEMS: Operational Approval date / / & Previous Construction Approval #			
REVISED PLANS: Previous Construction Approval #			
COLLECTION SYSTEM: EDA Previously Approved: Operational Approval date / / & Construction Approval #			
MUNICIPAL PRIOR APPROVAL REQUIRED (Attach town approval letter) Date approved / /			
3. SUBDIVISION STATUS			
SUBDIVISION NAME:		OR N/A BECAUSE:	
STATE SUBDIVISION Approval # n/a		<input type="checkbox"/> pre-1967; <input checked="" type="checkbox"/> >= 5 acres; <input type="checkbox"/> Env-Wq 1004.05; <input type="checkbox"/> RSA 485-A:2, XIII (exempt), <input type="checkbox"/> Pending	
4. PROJECT LOCATION			
ADDRESS: 354 Keene Road			TOWN/CITY: Antrim
TAX MAP(S) 212	BLOCK(S)	LOT(S) 27	UNIT(S)
BOOK 7685	PAGE 0864	PROBATE #	
5. APPLICANT			
DESIGNER NAME: David M. Pettit NH DESIGNER #: 1650		P.E. NAME: P.E. # ** P.E. required over 2500GPD	
COMPANY NAME / DBA: Antrim Wind Energy, LLC		<input type="checkbox"/> Home Owner Design	
MAILING ADDRESS: 155 Fleet Street			
TOWN/CITY: Portsmouth		STATE: NH	ZIP CODE: 03801-4050
PHONE: 603-570-4842		EMAIL OR FAX: jkenworthy@eolian-energy.com	
6. PROPERTY OWNER See attached for Memorandum of Lease to document lease to Antrim Wind Energy			
PROPERTY OWNER NAME: Michael Ott			
MAILING ADDRESS: 354 Keene Road			
TOWN/CITY: Antrim		STATE: NH	ZIP CODE: 03440
PHONE:		EMAIL OR FAX :	
7. SIGNATURES (A NHDES PERMITTED DESIGNER MUST SIGN AS APPLICANT)			
APPLICANT SIGNATURE: ¹ DATE: 7/23/2015		PROPERTY OWNER SIGNATURE: ² DATE: 7/23/2015	
		EXECUTIVE OFFICER FOR ANTRIM WIND ENERGY LLC	

8. TYPE OF DEVELOPMENT				
<input type="checkbox"/> SINGLE FAMILY	<input type="checkbox"/> CONDOMINIUM	<input type="checkbox"/> CAMPING / TENTING	<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> PUBLIC FOOD ESTABLISHMENT
<input type="checkbox"/> APARTMENT	<input type="checkbox"/> MANUFACTURED HOUSING PARK	<input type="checkbox"/> COMMERCIAL	<input type="checkbox"/> DUPLEX	<input checked="" type="checkbox"/> OTHER: O&M BUILDING
9. DESIGN FLOW CALCULATIONS				
<input type="checkbox"/> RESIDENTIAL NUMBER of BEDROOMS: FLOW: GPD		<input checked="" type="checkbox"/> COMMERCIAL FLOW: 300 GPD		<input type="checkbox"/> Other(ie: apartment): Flow: GPD
10. TYPE OF DESIGN				
<input checked="" type="checkbox"/> GRAVITY	<input checked="" type="checkbox"/> ABOVE GROUND	Effluent Disposal Area Type (ie: stone & pipe): Enviro-Septic		
<input type="checkbox"/> HOLDING TANK	<input type="checkbox"/> IN GROUND			
<input type="checkbox"/> PUMP	<input type="checkbox"/> AT GRADE	<input checked="" type="checkbox"/> Pre Treatment: Type: Septic Tank		
<input type="checkbox"/> The 50 % Rule is being used in accordance with Env-Wq 1014.06				
11. WATER SUPPLY (Indicate the type of water supply that services the lot – check all that apply)				
<input type="checkbox"/> PUBLIC WATER SYSTEM: Name:				
WELL RADIUS ON LOT: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (For residential use provide a recorded well release. For commercial use, provide a recorded easement. Is the Well radius				
<input type="checkbox"/> WELL RADIUS OFF LOT, BUT PRECLUDED FROM DEVELOPMENT (Reason must be clearly depicted on plan),				
<input type="checkbox"/> PRE 1989 WELL,				
<input type="checkbox"/> WELL OFF LOT (Provide a recorded easement or deeded water rights), <input type="checkbox"/> OTHER:				
12(a). OTHER NHDES APPROVALS / PERMITS REQUIRED TO CONSTRUCT THIS SYSTEM (Check all that apply)				
<input type="checkbox"/> Alteration of Terrain Permit #		<input type="checkbox"/> UIC Registration Date:		
<input checked="" type="checkbox"/> Pending				
<input type="checkbox"/> Water Supply Approval Permit #		<input type="checkbox"/> Wetlands Bureau Approval Permit #		
<input type="checkbox"/> Pending		<input checked="" type="checkbox"/> Pending		
<input type="checkbox"/> Shoreland Permit #		<input type="checkbox"/> Pending <input checked="" type="checkbox"/> N/A exempt		
Is any part of the proposed septic system located within 250 feet of a Protected Shoreland? <input type="checkbox"/> Yes / <input checked="" type="checkbox"/> No				
Name of Waterbody:		Type of Waterbody <input type="checkbox"/> Lake; <input type="checkbox"/> River /Stream; <input type="checkbox"/> Tidal		
Is any part of the proposed septic system located within 150 feet of a Protected Shoreland? <input type="checkbox"/> Yes / <input checked="" type="checkbox"/> No				
** Submit a photo of the impact area				
12(b).WAIVERS List Waivers Requested: Env-Wq				
13. REPLACEMENT AND/OR FAILED SYSTEMS ONLY				
REASON FOR REPAIR OR REPLACEMENT <input type="checkbox"/> Age; <input type="checkbox"/> Excessive Load; <input type="checkbox"/> Inappropriate Load; <input type="checkbox"/> Other (specify):				
INFORMATION ABOUT THE STRUCTURES SERVED				
Number of Existing Structures Served:		Number of bedrooms:		Number of Current Occupants:
HOUSEHOLD ITEMS: (CHECK ALL THAT APPLY)				
<input type="checkbox"/> Garbage Grinder/Disposal	<input type="checkbox"/> Washing Machine	<input type="checkbox"/> Water Chlorinator	<input type="checkbox"/> Dish washer	
<input type="checkbox"/> Jacuzzi/Hot Tub	<input type="checkbox"/> Water Softener	<input type="checkbox"/> Solids Pump Unit before Tank		<input type="checkbox"/> Other:
INFORMATION ABOUT THE OLD DISPOSAL SYSTEM (ISDS)				
Age of Existing System: years				
<input type="checkbox"/> Gravity, <input type="checkbox"/> Pump				
Primary Design Type: <input type="checkbox"/> Above Ground / Mounded, <input type="checkbox"/> In Ground, <input type="checkbox"/> At Grade				
Effluent Disposal Area Type:				
<input type="checkbox"/> Pre Treatment Pre treatment Type:		<input type="checkbox"/> Unknown / Other:		
Existing Septic Tank: Size: gallons Type: /				
Replacement Septic Tank (If applicable) Size: gallons Type: /				

The following signatory certification applies to the Applicant: The Applicant certifies that s/he is a permitted designer in good standing or the owner of said property, and that the information submitted accurately represents the existing site conditions as of the date of application. The Applicant further agrees and understands that if any information submitted in this application which is material to the department's approval of the application is false or misleading, the approval as well as the designer's permit, if applicable, shall be subject to suspension or revocation. The applicant herewith certifies, where applicable, that the approved off-site, municipal or community water supply is available at the lot line.² The following signatory certification applies to the Property Owner: I/We certify that I am/we are the present owner(s) of the property referenced in this application and that I/we have seen the plans and I/we hereby confirm that the plans are in accordance with my/our needs and desires. I/We fully understand that should this plan be approved, no waivers to the construction approval will be allowed and that any change(s) will require a new submission, review and approval.

Camela O. Caughlin

EOLIAN RENEWABLE ENERGY LLC
155 FLEET ST.
PORTSMOUTH NH 03801
ATTN: JACK KENWORTHY

Antrim Wind (Antrim, NH – Map #212 Lot #'s 212-030-000; 212-027-000; 212-034-000 –
Michael J. Ott)

EXHIBIT C
MEMORANDUM OF LEASE

PARTIES TO LEASE:

LESSOR

Michael J. Ott
P.O. Box 160
Antrim, New Hampshire 03440

LESSEE

Antrim Wind Energy LLC
c/o Eolian Renewable Energy
155 Fleet Street
Portsmouth, New Hampshire 03801

PREMISES:

Lessor is the owner of that certain real property described in Exhibit A attached hereto (“Lessor’s Land”). Lessor leases to Lessee all or a portion of Lessor’s Property as depicted on the map attached hereto as Exhibit B (the “Leased Premises”), together with the non-exclusive right of ingress to and egress from Windpower Facilities (defined in the Lease) located on the Leased Premises, adjoining properties and elsewhere over and across the Leased Premises and Lessor’s Land by means of existing roads and lanes, if any, or otherwise by such route or routes as Lessee may construct from time to time.

TERM OF LEASE:

Lease shall be for an initial term of twenty-five (25) years and shall commence on the Effective Date.

EXTENSION TERM:

Lessee shall have the option to renew the Lease for one additional twenty-five (25) year term.

Antrim Wind (Antrim, NH – Map #212 Lot #'s 212-030-000; 212-027-000; 212-034-000 – Michael J. Ott)

DATED at Portsmouth, New Hampshire this 18th day of December 2009.

Antrim Wind Energy LLC
By: [Signature]
Name: John B. Kenworthy
Its: Manager

STATE OF NEW HAMPSHIRE
ss.:
COUNTY OF ~~HILLSBORO~~ Rockingham

On this 18th day of December, 2009, before me, the undersigned, a Notary Public in and for said State, personally appeared John B. Kenworthy, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his, signature on the instrument, the individual(s) or the person(s) upon behalf of which the individual acted, executed the instrument.

[Signature]
My Commission Expires May 18, 2010 Notary Public

DATED at Town Hall, Antrim NH this 24 day of December, 2009.

MICHAEL J.H. OTT
By: [Signature]
Name: Michael J. H. Ott
Its: Self

STATE OF NEW HAMPSHIRE
ss.:
COUNTY OF HILLSBORO

On this 24 day of December, 2009 before me, the undersigned, a Notary Public in and for said State, personally appeared Michael J. H. Ott, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his, signature on the instrument, the individual(s) or the person(s) upon behalf of which the individual acted, executed the instrument.



[Signature]
Notary Public

EXHIBIT A to MEMORANDUM OF LEASE

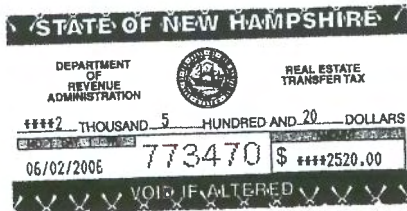
6038778

2006 JUN -2 PM 2: 37

AL7

Record and return to:
Craighead and Martin, PLLC
62 Stark Street
Manchester, NH 03101

22.39
2
24.39



9-60
9-61
9-64

2520

TS

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS, That, we, John A. Eddy and Laura C. Eddy, husband and wife, both of 763 Templeton Turnpike Road, Fitzwilliam, County of Cheshire, and State of New Hampshire, for consideration paid, grants to Michael James Hutchins Ott, a single person of 493 Ocean Boulevard, #24, Hampton, County of Rockingham, and State of New Hampshire, with Warranty Covenants:

The following four (4) tracts of land situated in Antrim, County of Hillsborough and State of New Hampshire:

Tract 1:

A certain tract of land situated in the northwest part of Antrim in the County of Hillsborough and State of New Hampshire, bounded and described as follows:

Beginning at the Northeast corner of the premises at a stake and stones by an old road leading from near the dwelling formerly occupied by Walter Buchanan to the dwelling of the late William R. Carr; thence

1. Westerly by the same old road about 101.5 rods to land formerly owned by the late Hiram Griffin; thence
2. Southerly by said Griffin land about 62 rods to the corner of the wall by land of the Steele heirs; thence
3. Easterly by said last mentioned land about 94 rods to the corner of the wall by land of the late William R. Carr; thence
4. Northerly by said Carr land about 19.5 rods to a stake and stones; thence

9-60-33
9-61-205
9-64-2.5

9-61-205
212-30-241ac
9-60-33
212-27-39ac
9-64-2.5
212-35-5.1 acc

BK 7685 PG 0864

ORIGINAL NOT SUITABLE FOR
PROPER REPRODUCTION

5. Easterly by said Carr land about 21.5 rods to a stake and stones; thence
6. Northerly by said Carr land about 49 rods to the first named bound.

Estimated to contain 43 acres, more or less.

Tract 2:

Also another tract of land situated in the northwest part of said Antrim, New Hampshire, bounded and described as follows:

Beginning at the Northeast corner of the premises; thence

1. Southerly by land formerly owned by Samuel Tuttle 52 rods; thence
2. Westerly by the wall by land formerly owned by Dodge to the Northwest corner of said Dodge land; thence
3. Southerly by said Dodge land to land formerly owned by Davis; thence
4. Westerly by said Davis land and land formerly owned by Handley to land formerly of Samuel Curtis; thence
5. Northerly and Easterly by said Curtis land to land formerly owned by John McClure, et al; thence
6. Easterly by said McClure land to land formerly owned by Samuel Weston; thence
7. Southerly by said Weston land to land formerly owned by Samuel Tuttle, et al, about 57 rods; thence
8. Easterly by said Tuttle land to the point of beginning.

Said to contain 150 acres, more or less.

Tract 3:

A certain tract of land with the buildings thereon, if any, situate in the north part of Antrim, Hillsborough County and State of New Hampshire, bounded and described as follows:

BK 7685 PG 0865

Beginning at the Northwest corner of the premises at a stake and stones by land formerly owned by John Dodge; thence

1. Southerly by said Dodge land to the old road leading from the former residence of William R. Carr to the former residence of Samuel Dinsmore, to a stake and stones; thence
2. Easterly by said road about 37 rods to stake and stones; thence
3. Northerly by land formerly owned by Chandler Boutelle to a stake and stones by land formerly owned by Grafton Curtice; thence
4. Westerly by said Curtice land to the bound first mentioned.

Estimated to contain 6.5 acres, more or less, but reserving to the Public Service Company of New Hampshire and those claiming under it, any pole rights it may have acquired.

Tract 4:

Also another tract adjoining the above tract, bounded and described as follows:

Beginning at a bound on the Southerly side of the Keene Road, State Highway, at an old roadway; thence

1. Easterly by said Keene Road to land formerly of William M. Conn; thence
2. Southerly by wall and said Conn land to land formerly of William Boutelle; thence
3. Westerly by said Boutelle land to a stake and stones; thence
4. Southerly by said Boutelle land to the Old Town Road; Thence
5. Westerly by said Old Road to road first above mentioned; thence
6. Northerly by said roadway to the bound of beginning.

Said premises are subject to the rights of the public of the State highway and rights heretofore conveyed to the Public Service Company of New Hampshire.

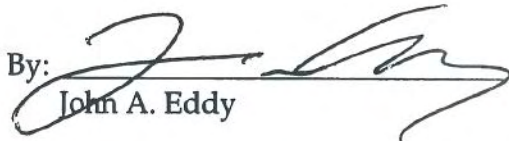
BK 7685 PG 0866

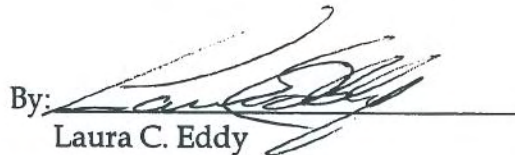
Subject to current use tax recorded with the said Registry of Deeds at Book 3696, Page 137.

This conveyance of the within described properties are not subject to homestead rights.

Meaning and intending to describe and convey the same premises conveyed to the within grantor by Warranty Deed of Donald H. Hardwick, Sr., dated June 10th, 1999, and recorded at the Hillsborough County Registry of Deeds at Book 6115 Page 1762.

SIGNED this 2nd day of June, 2006.

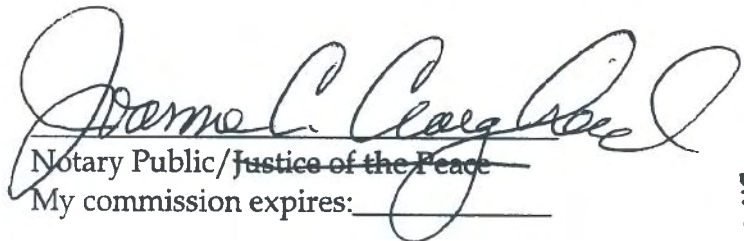
By: 
John A. Eddy

By: 
Laura C. Eddy

STATE OF NEW HAMPSHIRE
COUNTY OF HILLSBOROUGH

On this 2nd day of June, 2006, personally appeared the above-named John A. Eddy and Laura C. Eddy, known to me (or satisfactorily proven) to be the persons whose names are subscribed to the foregoing instrument, and acknowledged that they executed the same in that capacity, and for the purposes therein contained.




Notary Public / ~~Justice of the Peace~~
My commission expires: _____

BK 7685 PG 0867

Antrim Wind Energy LLC
155 Fleet Street
Portsmouth, NH 03801
603-570-4842



001460
54-202/114

7/3/2015

DATE

PAY TO THE ORDER OF Treasurer State of New Hampshire

**300.00

Three Hundred and 00/100*****

DOLLARS

State of New Hampshire Treasury
25 Capitol Street, Room 121
Concord, NH 03301



Memo

ISDS Permit Application Fee

AUTHORIZED SIGNATURE

⑈001460⑈ ⑆01402024⑆ 1010125354⑈

Antrim Wind Energy LLC
Treasurer State of New Hampshire

ISDS Permit Application Fee

7/3/2015

001460
300.00

Eastern Checking ISDS Permit Application Fee

300.00

Antrim Wind Energy LLC
Treasurer State of New Hampshire

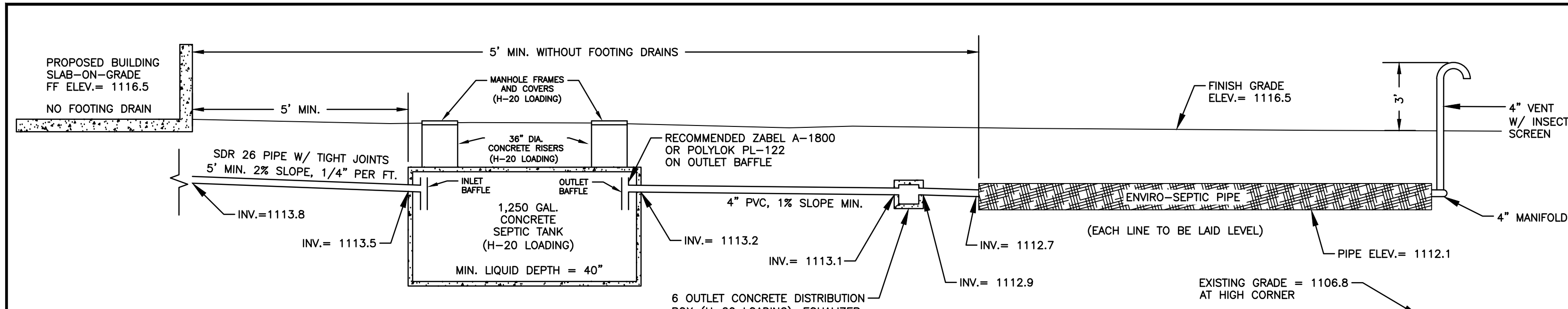
ISDS Permit Application Fee

7/3/2015

001460
300.00

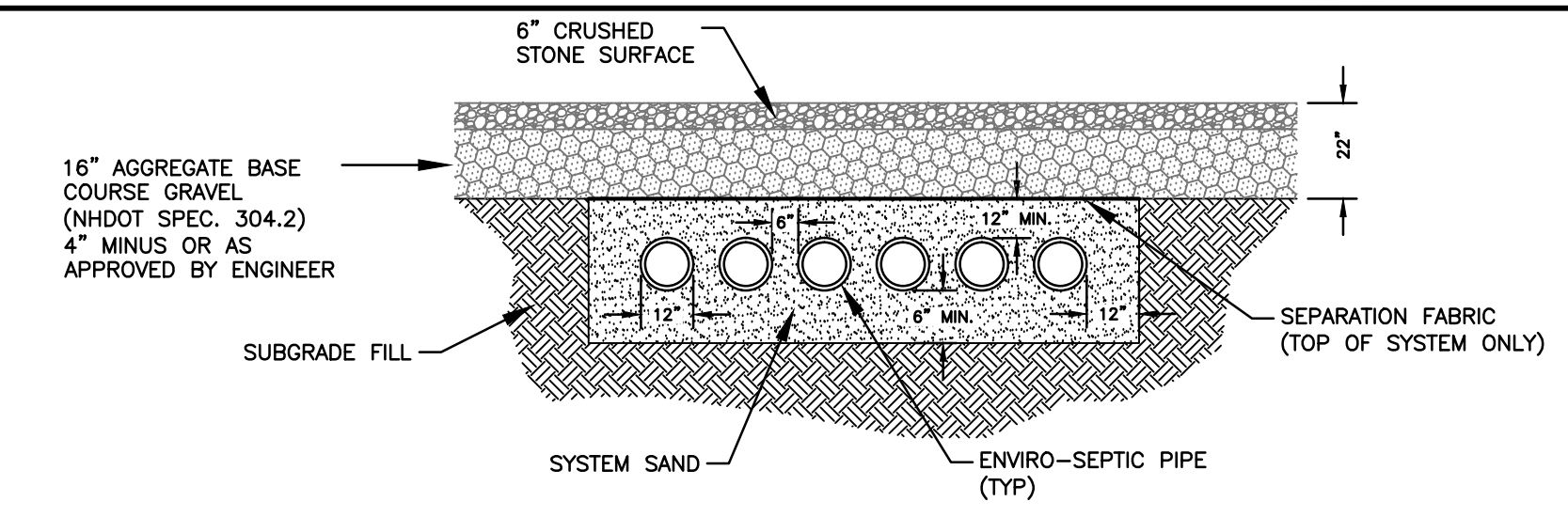
Eastern Checking ISDS Permit Application Fee

300.00



- NOTES:
1. INLET AND OUTLET TO SEPTIC TANK ARE TO BE SEALED WITH A NON-SHRINK MORTAR.
 2. ALL INVERT ELEVATIONS AND GRADES ARE FROM ASSUMED DATUM.
 3. SEPTIC TANK AND DISTRIBUTION BOX ARE TO BE SUPPLIED BY LAMARRE CONCRETE CORP., GREENVILLE, NH OR EQUAL.
 4. SEPTIC TANK SIZE DOES NOT ANTICIPATE USE OF A GARBAGE GRINDER. IF A GARBAGE GRINDER IS INSTALLED, THE SEPTIC TANK SIZE SHALL BE INCREASED BY 50%.
 5. ACCESS TO THE INTERIOR OF THE SEPTIC TANK SHALL CONFORM TO Env-Wq 1010.05.
 6. INLET AND OUTLET BAFFLE ARE TO BE PLASTIC VENTED TEES THAT EXTEND ABOVE THE LIQUID LINE TO NOT LESS THAN 1 INCH FROM THE INTERIOR OF THE TOP OF THE SEPTIC TANK.
 7. THE INLET BAFFLE SHALL DIVERT SEWAGE DOWNWARD AND EXTEND 8 INCHES BELOW THE LIQUID LEVEL. THE OUTLET BAFFLE SHALL EXTEND BELOW THE LIQUID LEVEL BY 40% OF THE LIQUID DEPTH.
 8. SEPTIC TANK IS TO BE PUMPED AND CLEANED A MINIMUM OF EVERY THREE YEARS.
 9. ENVIRO-SEPTIC PRODUCTS ARE TO BE SUPPLIED BY PRESBY ENVIRONMENTAL: 1-800-473-5298, WWW.PRESBYECO.COM
 10. ALL TREES, TOPSOIL, ROOTS, AND ORGANIC MATTER SHALL BE REMOVED FROM THE SYSTEM AREA.
 11. THIS SYSTEM IS NOT DESIGNED FOR DISCHARGES FROM WATER PURIFICATION SYSTEMS OR FLOOR DRAINS.
 12. NO KNOWN BURIAL SITES OR CEMETERIES EXIST WITHIN 100 FEET OF ANY COMPONENT OF THE SYSTEM.

D-1 TYPICAL PROFILE OF PROPOSED SYSTEM
TRC NOT TO SCALE 1/11/2012



- NOTES:
1. THE DESIGN PROPOSES 6 ROWS OF ENVIRO-SEPTIC PIPES.
 2. EACH LINE IS TO BE LAID LEVEL.
 3. CENTER-TO-CENTER SPACING FOR ALL PIPES SHALL BE 18 INCHES.
 4. A MINIMUM OF 6 INCHES OF SYSTEM SAND SHALL BE PLACED BELOW THE BOTTOM OF THE ENVIRO-SEPTIC PIPES.
 5. SYSTEM SAND SHALL CONSIST OF MEDIUM TO COARSE SAND MEETING THE REQUIREMENTS OF THE ASTM C-33 SPECIFICATION, OR MATERIALS WITH AN EFFECTIVE SIZE OF 0.25 TO 2 MM, WITH NO GREATER THAN 2% PASSING THE NO. 200 SIEVE, AND NO PARTICLES LARGER THAN 3/4-INCH.
 6. A TRACKED VEHICLE MAY BE USED TO SPREAD MATERIAL ON TOP OF THE SYSTEM AS LONG IT MAINTAINS 12 INCHES OF COVER OVER THE PIPES. FINAL COVER THICKNESS SHALL EXCEED 18 INCHES.
 7. SEPARATION FABRIC SHALL BE PLACED ON THE TOP OF THE BED ONLY.
 8. SOIL COMPACTION SHALL BE MINIMIZED BELOW THE BED.

D-2 TYPICAL CROSS SECTION
TRC NOT TO SCALE 1/11/2012

TEST PIT DATA

TP-3 1/16/12

1-0"	ORGANIC MATTER	
0-14"	10YR 3/2 VERY DK. GRAYISH BROWN FINE SANDY LOAM GRANULAR, FRIABLE	
14-24"	2.5Y 6/8 OLIVE YELLOW SANDY LOAM GRANULAR, FRIABLE	7.5YR 4/6 STRONG BROWN COMMON, MEDIUM, & DISTINCT (REDOXIMPORHIC FEATURES)
LEDGE: 24" (BOULDERS)		PERC. TEST: 12 MIN./IN. AT 12" S.H.W.T.: 14" (1/16/12)
HARDPAN: NONE		

TP-4 1/16/12

1-0"	ORGANIC MATTER	
0-10"	10YR 3/2 VERY DK. GRAYISH BROWN FINE SANDY LOAM GRANULAR, FRIABLE	
10-21"	10YR 4/4 DK. YELLOWISH BROWN SANDY LOAM GRANULAR, FRIABLE	
21-28"	2.5Y 6/8 OLIVE YELLOW SANDY LOAM GRANULAR, FRIABLE	10YR 4/6 D. YELLOWISH BROWN COMMON, MEDIUM, & DISTINCT (REDOXIMPORHIC FEATURES)
LEDGE: 28" (BOULDERS)		
HARDPAN: NONE		

SOIL DATA: 160B, TUNBRIDGE-LYMAN MONADNOCK COMPLEX, STONY, 3-8% SLOPES

DESIGN DATA

DESIGN INTENT: THE PROPOSED BUILDING WILL BE USED TO STORE OPERATION AND MAINTENANCE EQUIPMENT FOR THE ANTRIM WIND PARK SUBSTATION. IN ACCORDANCE WITH Env-Wq 1008.03, TABLE 1008-1, THE OCCUPATION AND USE QUALIFIES AS FACTORY WAREHOUSE EXCLUSIVE OF INDUSTRIAL WASTE. UP TO TWO FULL-TIME OCCUPANTS WILL UTILIZE THE BUILDING DURING NORMAL WORKING HOURS ON A WEEKLY BASIS.

20 GPD/PERSON x 2 PERSONS = 40 GALLONS PER DAY

IN ACCORDANCE WITH Env-Wq 1008.02(e), THE SYSTEM IS DESIGNED TO ACCOMMODATE A MINIMUM SEWAGE FLOW OF 300 GALLONS PER DAY.

PROPOSED ARE 6 ROWS OF 30 LINEAR FEET, PROVIDING A TOTAL OF 180 LINEAR FEET OF ENVIRO-SEPTIC PIPES.

DUE TO SHWT AT 14 INCHES, THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT 1112.1 FEET ELEVATION. THIS IS APPROXIMATELY 5.3 FEET ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR OF THE EFFLUENT DISPOSAL AREA.

THE LEACHFIELD WILL MAINTAIN 3 FEET OR GREATER TO THE SEASONAL HIGH WATER TABLE. THE LEACHFIELD IS TO BE REBUILT IN PLACE IF REPLACEMENT BECOMES NECESSARY.

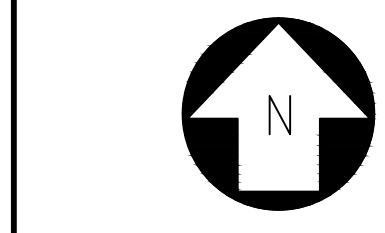
SITE LOADING

AVAILABLE LAND: 19.2 ACRES (20 ACRES LESS TWO PROTECTIVE WELL RADII)

TYPE 3 SOILS AT "A/B" SLOPE: $2,000 \text{ GPD/ACRE} = 1,250 \text{ GPD}$

AVAILABLE LOADING: $1,250 \text{ GPD/ACRE} \times 19.2 \text{ ACRES} = 24,000 \text{ GPD}$

PROPOSED LOADING: $300 \text{ GPD (EXISTING 1 BEDROOM HOUSE)} + 300 \text{ GPD (PROPOSED O\&M BUILDING)} = 600 \text{ GPD (TOTAL)}$



- TEST PIT
- ⊙ PERC TEST
- ▲ TEMPORARY BENCHMARK (TBM)
- ⊕ WELL
- W — WATER LINE
- ECB — EROSION CONTROL BARRIER
- UGE — UNDERGROUND ELECTRIC LINE

- ADDITIONAL NOTES:
1. THE USE OF THE PROPOSED BUILDING WILL BE FOR STORAGE OF OPERATION AND MAINTENANCE EQUIPMENT AND MATERIALS NECESSARY FOR THE OPERATION OF THE PROPOSED SUBSTATION.
 2. DISCHARGE TO THE SYSTEM WILL CONSIST OF SANITARY WASTEWATER ONLY. PROCESS WATER AND/OR FLOOR DRAINS WILL NOT BE DISCHARGED TO THE PROPOSED SYSTEM.
 3. THE PROPOSED BUILDING WILL NOT FEATURE FOUNDATION DRAINS.
 4. THE CLEARANCE FROM THE PIPE INVERT TO THE FINISHED FLOOR OF THE SLAB IS 2.7'. BASED ON A VERTICAL CLEARANCE OF 1.5' FOR THE SLAB AND A HORIZONTAL RUN OF 60', IT IS ASSUMED THAT THIS CLEARANCE WILL ACCOMMODATE THE PLACEMENT OF SANITARY FACILITIES WITHIN THE PROPOSED BUILDING.
 5. AN AS-BUILT PLAN WILL BE REQUIRED PRIOR TO OPERATIONAL APPROVAL.
 6. OPERATIONAL APPROVAL WILL BE NECESSARY PRIOR TO BACKFILL OF THE SYSTEM AND INSTALLATION OF THE GRAVEL SURFACE FOR THE PROPOSED SUBSTATION.

THIS PLAN HAS BEEN PREPARED FOR SEWAGE DISPOSAL SYSTEM DESIGN PURPOSES ONLY. IT IS NOT A BOUNDARY SURVEY. LOT LINE LOCATION SHOULD BE VERIFIED BY A LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES, CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM THIS PLAN FOR ANY PURPOSE OTHER THAN THE CONSTRUCTION OF THE SEWAGE DISPOSAL SYSTEM SHALL BE AT THE USER'S RISK.

ENVIRO-SEPTIC WASTEWATER TREATMENT SYSTEMS ARE APPROVED BY THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES AS AN INNOVATIVE/ALTERNATIVE TECHNOLOGY IN ACCORDANCE WITH Env-Wq 1024. THE PROPOSED SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING DOCUMENTS:

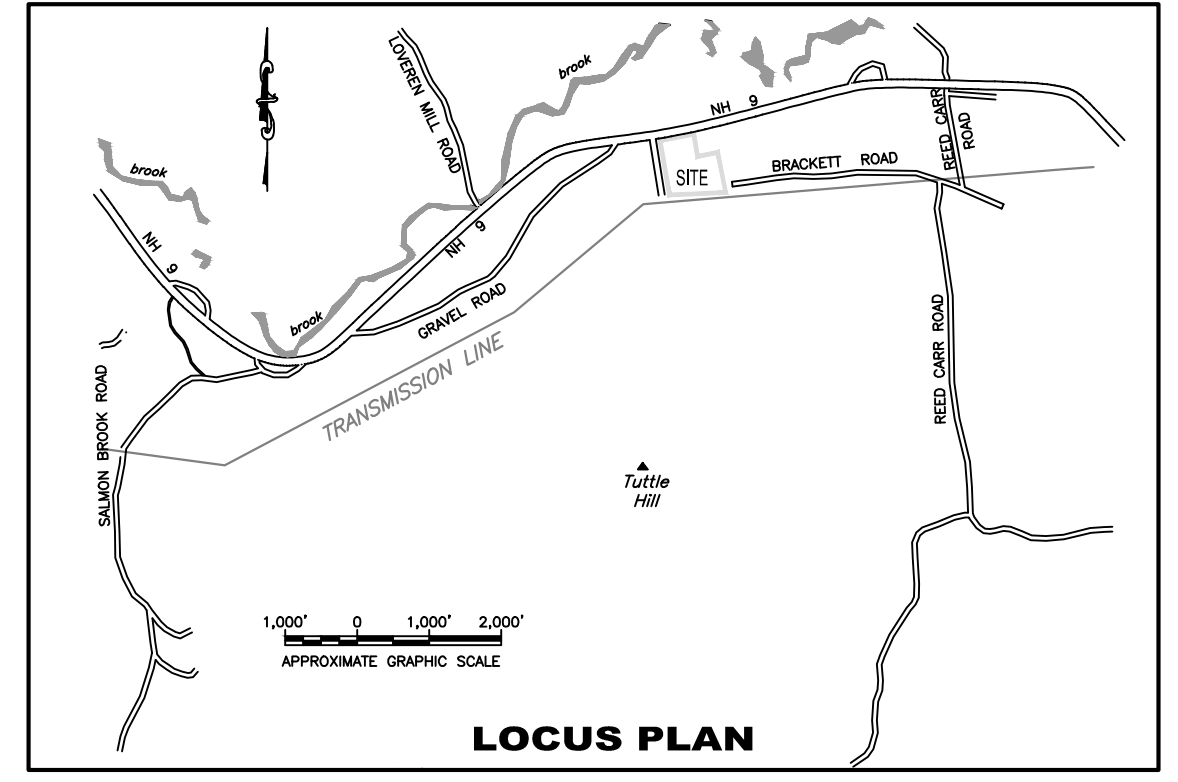
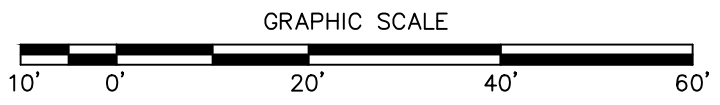
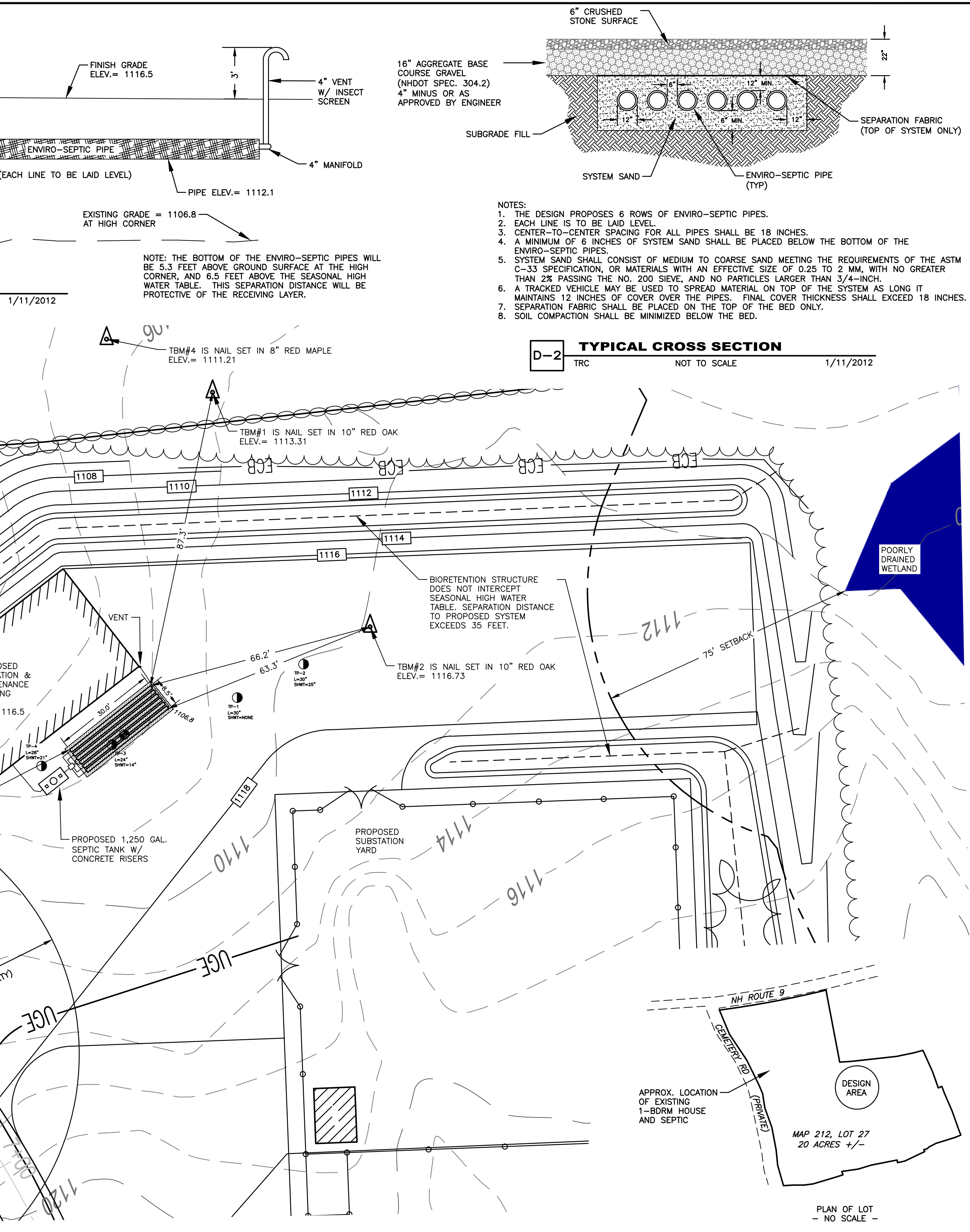
- "ENVIRO-SEPTIC & SIMPLE SEPTIC LEACHING SYSTEMS DESIGN AND INSTALLATION MANUAL"
- "ENVIRO-SEPTIC WASTEWATER TREATMENT SYSTEMS DESIGN AND INSTALLATION MANUAL NEW HAMPSHIRE STATE ATTACHMENT"

WETLAND CERTIFICATION

WETLANDS WERE DELINEATED IN AUGUST AND SEPTEMBER, 2011 IN ACCORDANCE WITH Env-Wq 1014.03 BY ALEXANDER FINAMORE, NEW HAMPSHIRE CERTIFIED WETLAND SCIENTIST, OF TRC ENVIRONMENTAL CORPORATION.

ARTICLE XI OF THE ANTRIM ZONING ORDINANCE STATES: "NO SEPTIC TANK OR LEACH FIELD MAY BE CONSTRUCTED, REPAIRED, OR ENLARGED CLOSER THAN SEVENTY-FIVE (75) FEET TO ANY WETLAND."

THERE ARE NO POORLY OR VERY POORLY DRAINED WETLANDS WITHIN 75 FEET OF THE SEPTIC TANK OR LEACHFIELD. NO PORTION OF MAP 212 LOT 27 IS WITHIN THE PROTECTED SHORELAND.



MAP 212, LOT 27 ANTRIM, NEW HAMPSHIRE

PROPERTY OWNER: MICHAEL OTT, BK 7685 PG 0864 HCRD STATE SUBDIVISION APPROVAL NO.: >5 ACRES PREVIOUS CONSTRUCTION APPROVAL NO.: N/A

--	--

NO.	REVISION	DATE	BY	CK	P.E. STAMPED BY	P.E. No.
A	INITIAL SUBMISSION	1/18/12				

CLIENT APPROVAL

TRC/DMP DESIGNED	
TRC/DMP DRAWN	
TRC/PWM CHECKED	
APPROVED BY	
COMPANY	
DATE	

PROPOSED SEPTIC SYSTEM

ANTRIM WIND ENERGY, LLC

ANTRIM WINDPARK

ANTRIM NEW HAMPSHIRE

TRC 249 WESTERN AVENUE AUGUSTA, ME 04330 PROJECT NO: 186317 DATE: 1-18-12

SCALE: 1" = 20'

REV. A

K:\Data\Projects\Antrim Wind\AS-BUILT SEPTIC DESIGN.dwg