

Bourne's Energy
PO Box 549
Morrisville, VT 05661
(802) 888-2611

INVOICE

Jul 31, 2017

J Edward Brockhouse
455 Pinnacle Road
Stowe , VT 05672

Account #:	110447
Invoice #:	233960
Invoice Date:	9/23/16

TERMS: Net Due in 30 Days.

For Fuel or Service At: J. Edward Brockhouse
455 Pinnacle Road
Stowe , VT 05672

Description: Performed annual tune up. Replaced nozzle, filter & strainer. Brushed and vacuumed boiler and smoke pipe. Found leaky relief valve and replaced it. Also replaced can vent. Ran efficiency test. All ok.

Quantity	Description	Unit Price	Amount
4.5	Annual Tune Labor	\$80.00	\$360.00
1.0	Trip Charge - Service	\$18.00	\$18.00
1.0	Material Recycling Fee	\$7.00	\$7.00
1.0	Oil Strainer P193-3 Bag 3715732 / SSC109 For Suntec Mini Pump	\$2.78	\$2.78
1.0	Nozzle, Oil Burner .85-80a	\$16.35	\$16.35
1.0	4" Filter Element Fb4 (250-48)	\$2.72	\$2.72
1.0	Caleffi Hi-Vent (CAN Vent) 1/8" w/check	\$21.07	\$21.07
1.0	3/4" Pressure Relief Valve 374a	\$56.96	\$56.96

Tech: ZZ Haley M - 321 O

Sub Total: \$484.88

Tax Total: \$0.00

Total Due: \$484.88

Bourne's Energy has paid the applicable Vermont Sales Tax on the materials used for this job.

Check your account & pay online at www.BournesEnergy.com

OFFICE COPY

(To be Filed in Duplicate)

Application No. 11-47Application Date 7/10/78Fee (\$2.50) HandCal. LCN.

BOARD OF HEALTH
 Town and Village of Stowe
APPLICATION FOR PERMIT
 Subsurface Sewage Disposal System

Applicant's Name JOHN J EASTON, JR
 Mailing Address P O BOX I, STOWE, VT Zip 05672
 Telephone Number 253-4627 Business Number 828-2840
 Location of Property NW Side of Town Highway 68 - Pinnacle Rd
 (Be specific please)
 New Construction X Repair _____ Replacement _____
 Number serviced by System: Kitchens 1 Dishwashers 1 Garbage Disposers 1
 Baths 2 Showers (Separate) _____ Toilets 2 Bed 2
 Restaurant Capacity _____

PLOT PLAN REQUIRED: The proposed Sewage Disposal System shall be shown on a plot plan of the property, showing separately the location of each part of the system; the buildings to be served; the adjoining roads or streets; adjoining property, dwellings, buildings, streams, water sources or lines and sewage disposal systems within 100 feet of any part of the Sewage Disposal System.

PERCOLATION TESTS: — (Locate on plot plan)

Test No. 1. depth: 24" rate: 28 min/in Boring log: —

Test No. 2. depth 24" rate: 49 min/in

TH 1

0-6' loam

6'-26" silty loam

26"-8' stone stoney
no ledge - no water

TH 2

0-10" loam

10"-8' sandy stone stoney

No ledge
No water

I hereby certify that the above percolation tests and borings were taken (by me) (under my direct supervision) and that this location is (is not) suitable for the purpose intended.

Date 7/10/78

(Engineer) (Designation)

I swear, under the pains and penalties of perjury, that the statements contained in this application are true and complete to the best of my knowledge and belief.

Date July 10, 1978

Applicant's Signature

Application received by me 7-10-78, 19Approved ✓

Disapproved _____

Reason As per plans**INSPECTION REQUIRED****BEFORE COVERING**

Installer _____

Name

Address

(Health Officer)

(Deputy Health Officer)

(To be Filed in Duplicate)

OFFICE COPY (WHITE)

PERMIT COPY (PINK)

Application No.

Application Date

Fee (\$2.50) Paid

Previous permit
H-47-78
H-69-81
7-78
issued

BOARD OF HEALTH

Town and Village of Stowe

APPLICATION FOR PERMIT

Subsurface Sewage Disposal System

Applicant's Name

Mailing Address

Telephone Number

Business Number

Location of Property
(Be specific please)

New Construction

Repair

Replacement

Number serviced by System: Kitchens

Dishwashers

Garbage Disposers

Baths

Showers (Separate)

Toilets

Bed Count

Restaurant Capacity

PLOT PLAN REQUIRED: The proposed Sewage Disposal System shall be shown on a plot plan of the property, showing separately the location of each part of the system; the buildings to be served; the adjoining roads or streets; adjoining property, dwellings, buildings, streams, water sources or lines and sewage disposal systems within 100 feet of any part of the Sewage Disposal System.

PERCOLATION TESTS: — (Locate on plot plan)

Test No. 1.

Boring log: —

Test No. 2.

I hereby certify that the above percolation tests and borings were taken (by me) (under my direction) and that this location (is) (is not) suitable for the purpose intended.

Date

(Engineer) (Designator)

I swear, under the pains and penalties of perjury, that the statements contained in this application are true and complete to the best of my knowledge and belief.

Date

Applicant's Signature

Application received by me

Approved

Disapproved

Reason

(Health Officer)

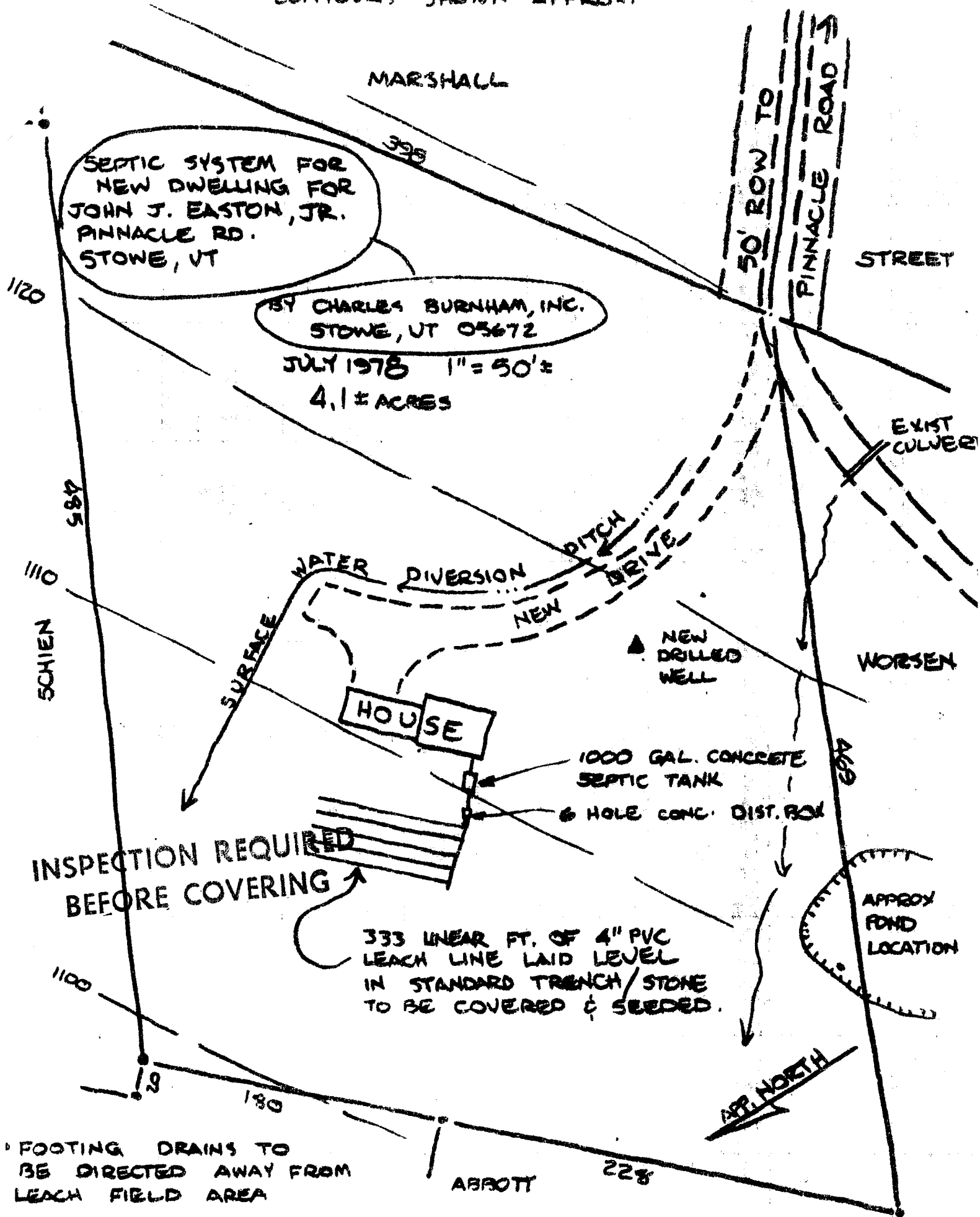
(Deputy Health Officer)

Installer

Name

Address

* CONTOURS SHOWN APPROX.



* FOOTING DRAINS TO BE DIRECTED AWAY FROM LEACH FIELD AREA

* SEE APPLICATION FOR SOIL TEST RESULTS.

2. WATER SUPPLY

- 2.1 The existing 5 bedroom single family residence is authorized to utilize the existing on-site water supply system having a maximum design flow of 560 gallons per day provided the potable water supply is operated at all times in a manner that keeps the supply free from contamination. No changes shall be made to the existing water system unless prior approval is obtained from the Drinking Water and Groundwater Protection Division. No other means of obtaining potable water shall be allowed without prior review and approval by the Drinking Water and Groundwater Protection Division unless otherwise exempt. The landowner shall immediately notify the Division if the water supply system fails to function properly and becomes a "failed supply".

3. WASTEWATER DISPOSAL

- 3.1 The existing 5 bedroom single family residence is approved for the disposal of wastewater in accordance with the replacement design depicted on the stamped plan(s) for a maximum of 560 gallons of wastewater per day. The system(s) shall be operated at all times in a manner that will not permit the discharge of effluent onto the surface of the ground or into the waters of the State. Should the system fail and not qualify for the minor repair or replacement exemption, the current landowner shall engage a qualified Vermont Licensed Designer to evaluate the cause of the failure and to submit an application to this office and receive written approval prior to correcting the failure.
- 3.2 The replacement wastewater system serving the existing 5 bedroom single family residence is an Innovative/Alternative System and there are **special requirements that apply**. Please refer to the attached document titled Innovative/Alternative System Approval for the additional requirements that apply.
- 3.3 The components of the replacement wastewater system herein approved shall be routinely and reliably inspected during construction by a qualified Vermont Licensed Designer (or where allowed, the installer) who shall, upon completion and prior to occupancy of the associated building, report in writing to the Drinking Water and Groundwater Protection Division that the installation was accomplished in accordance with the referenced plans and permit conditions, as specifically directed in Condition #1.5 herein.
- 3.4 The existing 5 bedroom single family residence is approved for a mound wastewater disposal systems provided the mound is constructed in strict accordance with the following conditions:
- a. The mound system is to be located and constructed as depicted on the plans that have been stamped by the Drinking Water and Groundwater Protection Division.
 - b. A qualified Vermont Licensed Designer shall inspect the mound system during critical stages of construction. This shall include the staking of the location of the mound, ensuring the site has been properly plowed prior to placement of the appropriate sand fill, the installation and testing of the distribution piping, final grading of the mound including side slopes, and pump station installation.
 - c. The construction of the mound shall adhere to the guidelines set forth in Section 1-913(f) of the above referenced rules.
 - d. Upon completion of construction, and prior to occupancy of any structure being served by the mound system, the inspecting consultant shall submit to the Drinking Water and Groundwater Protection Division a written certification stating the construction has been completed in accordance with the stamped plans and the permit.
- 3.5 The corners of the proposed replacement wastewater disposal area(s) shall be accurately staked out and flagged prior to construction with the flagging/staking being maintained until construction is complete.



02-080.000

State of Vermont
Department of Environmental Conservation

Agency of Natural Resources

WASTEWATER SYSTEM AND POTABLE WATER SUPPLY PERMIT

LAWS/REGULATIONS INVOLVED

10 V.S.A. Chapter 64, Potable Water Supply and Wastewater System Permit
Wastewater System and Potable Water Supply Rules, Effective September 29, 2007
Chapter 21, Water Supply Rules, Effective December 1, 2010

Landowner(s): 173945 Canada Inc.
455 Pinnacle Road
Stowe VT 05672

Permit Number: WW-5-6516
PIN: BR13-0323

This permit affects property identified as Town Tax Parcel ID # Stowe: 02-080.000 referenced in a deed recorded in Book 208 Page(s) 128 of the Land Records in Stowe, Vermont.

This project, consisting of the replacement of a failed wastewater disposal system for an existing 5-bedroom single family residence on an existing 4.1± acre lot located at 455 Pinnacle Road in Stowe, Vermont, is hereby approved under the requirements of the regulations named above subject to the following conditions.

1. GENERAL

- 1.1 The project shall be completed as shown on the plans and/or documents prepared by William M. Kules, with the stamped plans listed as follows:

Sheet Number	Title	Plan Date	Plan Revision Date
1 of 2	Site Plan	10/01/2013	12/29/2013
2 of 2	Details	10/01/2013	1/03/2014

- 1.2 This permit does not relieve the landowner from obtaining all other approvals and permits PRIOR to construction including, but not limited to, those that may be required from other State departments; or local officials.
- 1.3 The conditions of this permit shall run with the land and will be binding upon and enforceable against the landowner and all assigns and successors in interest. The landowner shall record and index this permit in the Stowe Land Records within thirty, (30) days of issuance of this permit and prior to the conveyance of any lot subject to the jurisdiction of this permit.
- 1.4 The landowner shall record and index all required installation certifications and other documents that are required to be filed under these Rules or under a specific permit condition in the Stowe Land Records and ensure that copies of all certifications are sent to the Secretary.



- 1.5 No permit issued by the Secretary shall be valid for a substantially completed potable water supply and wastewater system until the Secretary receives a signed and dated certification from a qualified Vermont Licensed Designer (or where allowed, the installer) that states:
- "I hereby certify that, in the exercise of my reasonable professional judgment, the installation-related information submitted is true and correct and the potable water supply and wastewater system were installed in accordance with the permitted design and all the permit conditions, were inspected, were properly tested, and have successfully met those performance tests".*
- or which otherwise satisfies the requirements of §1-308 and §1-911 of the referenced rules.
- 1.6 This project is approved with an existing 5 bedroom single family residence. Construction of additional nonexempt buildings, including commercial and residential buildings, is not allowed without prior review and approval by the Drinking Water and Groundwater Protection Division and such approval will not be granted unless the proposal conforms to the applicable laws and regulations. No construction is allowed that will cause non-compliance with an existing permit.
- 1.7 This permit authorizes the landowner to construct a new wastewater disposal system required to abate a health hazard created by the failure of the existing wastewater disposal system serving the structure/residence. The landowner shall complete construction of the wastewater system approved by this permit by June 15, 2014 or this permit shall be null and void. An extension of the construction completion date may be granted for good cause provided a written request for such an extension is received and granted by the Department prior to the above specified date. The landowner is required to continue measures to prevent wastewater from surfacing on top of the ground, entering surface waters of the State, or backing up into the existing residence until such time as the approved wastewater disposal system is constructed, activated, and all the conditions of this permit are satisfied. The town may also require steps to mitigate any health hazard associated with the failed system.
- 1.8 Each purchaser of any portion of the project shall be shown copies of the Wastewater System And Potable Water Supply Permit, the stamped plans, and **Innovative/Alternative System Approval letter #2005-01 (2012 Renewal, expires 12/1/2014) for the Norweco Singulair® System** prior to conveyance of the lot. The owner of a property where an Innovative/Alternative System has been installed shall comply with all the conditions in the Innovative/Alternative Approval letter that is incorporated with this permit including a maintenance agreement for the system.
- 1.9 Each new owner of the property shall inform the Drinking Water and Groundwater Protection Division and vendor within 30 days of the transfer of the property and include the name and mailing address of the new owner.
- 1.10 By acceptance of this permit, the landowner agrees to allow representatives of the State of Vermont access to the property covered by the permit, at reasonable times, for the purpose of ascertaining compliance with the Vermont environmental and health statutes and regulations, and permit conditions.
- 1.11 Any person aggrieved by this permit may appeal to the Environmental Court within 30 days of the date of issuance of this permit in accordance with 10 V.S.A. Chapter 220 and the Vermont Rules of Environmental Court Proceedings.

- 3.6 A user's manual for the Innovative/Alternative treatment system shall be developed and provided by the system designer at the time the system "as-built" drawings are completed and submitted to the owner.
- 3.7 A qualified Vermont Licensed Designer shall perform all periodic inspections of the **Innovative/Alternative** treatment system pursuant to the requirements as outlined in the **Innovative/Alternative System Approval Letter**. A written report of the inspection shall be submitted to the Division within 30 days of the inspection.
- 3.8 All parts of the filtrate effluent disposal system must meet the requirements outlined in Subchapter 9 of the Rules. An operation and maintenance manual must be provided to the landowner. The container must be leakage tested under the supervision of a qualified Vermont Licensed Designer as part of the designer's certification requirements.
- 3.9 The wastewater disposal **mound** for the existing 5 bedroom single family residence was designed using the performance base approach. The use of the performance-based wastewater disposal system approved in this permit requires that an **annual inspection** be performed by a Vermont Licensed Designer Class 1 or Class B starting when the system is placed in use and continuing for the **first three years of operation**. The field inspection shall be done in April or May and a written report shall be submitted by the June 15th of each year to the landowner and the Drinking Water and Groundwater Protection Division. The inspection shall consist of a field inspection of the wastewater disposal system and the area within 25' of the system in all directions noting any indication of failure.
- 3.10 The wastewater system for this project is approved for domestic type wastewater only except as allowed for water treatment discharges. No discharge of other type process wastewater is permitted unless prior written approval is obtained from the Drinking Water and Groundwater Protection Division.
- 3.11 No buildings, roads, water lines, earthwork, re-grading, excavation or other construction that might interfere with the installation or operation of the wastewater disposal systems are allowed on or near the site-specific wastewater disposal system or replacement area depicted on the stamped plans. All isolation distances that are set forth in the Wastewater System and Potable Water Supply Rules shall be adhered to and will be incorporated into the construction and installation of the wastewater disposal field.

David K. Mears, Commissioner
Department of Environmental Conservation



By _____
Carl Fuller PE, Regional Engineer
Dated January 8, 2014

cc ✓ Stowe Planning Commission
William M. Kules
Innovative/Alternative Program – Mary Clark
Innovative/Alternative Manufacturer – Norweco, Inc.