TRUDELL CONSULTING ENGINEERS
P.O.Box 308 478 Blair Park Road Williston, VT 05495
802-879-6331 fax: 802-879-0060 www.trudellconsulting.com

LETTER OF TRANSMITTAL

Date:	4/12/12	Proj. No.:	2011058-1
Attention:	Tom Mansfield		
Re:	WW Permit application for Ewins Property 2979 Greenbush Road		

To: Mr. Tom Mansfield
Sewage Control Officer
Town of Charlotte
P.O. Box 119
Charlotte, Vermont 05445

WE ARE SENDING YOU:

X	Attached		Under separate cover via	**US MAIL**	the following items:

	Shop drawings		Prints		Plans		Samples		Specifications
	Copy of letter		Change order	X	WW Permit Application and Associated Materials				

Copies	Date	No.	Description
1	4/4/12		Wastewater System & Potable Water Supply Permit Application
1	4/12/12		Cover Letter
1	4/9/12	2810	Plancheck Fee Payment ($250.00)
1	3/14/12		Enviro Interest Locator Documents
1	3/1/12		TM Correspondence
2	As Shown		Sets of Plans (2 Sheets each)

THESE ARE TRANSMITTED as checked below:

X	For approval		Approved as submitted		Resubmit _____ copies for approval
	For your information		Approved as noted		Submit _____ copies for distribution
	As requested		Returned for corrections		Return _____ corrected prints
	For review and comment				
	For bids due				Printed returned after loan to us

REMARKS:

Tom,

Please let me know if you need any other info or if anything is missing.

Thanks

Nate H.

COPY TO: File, G. Ewins

SIGNED: _____

If enclosures are not as noted, kindly notify us at once.

S:_TCE PROJECTS\2011\058 George Ewins Jr\WW Permit App\WWApp Transmittal.doc

TRUDELL CONSULTING ENGINEERS (TCE)

tel: 802-879-6331
fax: 802-879-0060
www.trudellconsulting.com

April 12, 2012

Mr. Tom Mansfield
Sewage Control Officer
Town of Charlotte
P.O. Box 119
Charlotte, Vermont 05445

Dear Tom:

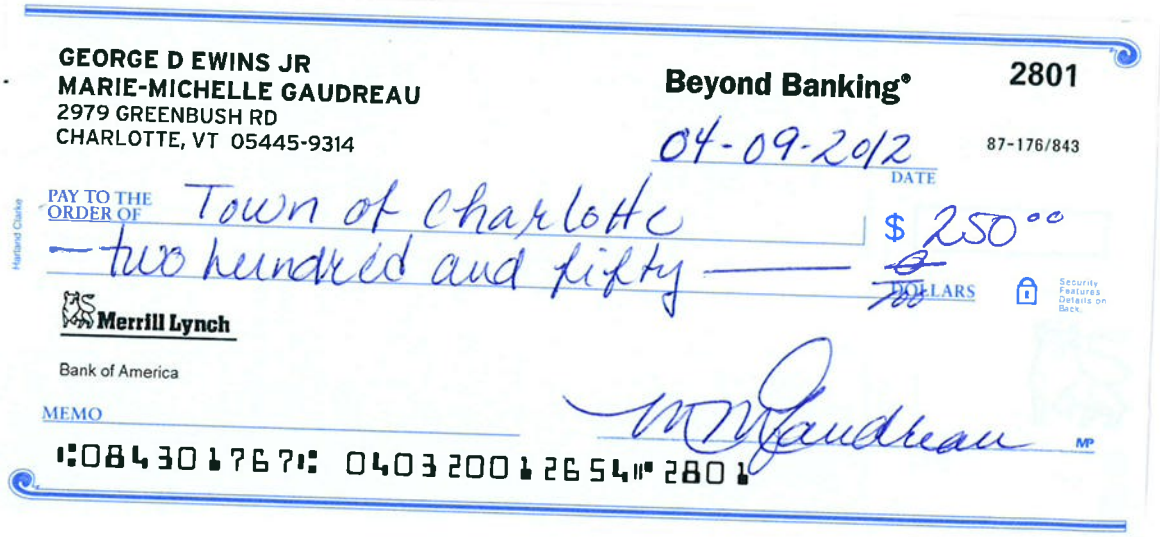
Attached please find a WW permit application package for the Ewins residence on Greenbush Rd. The application proposes a location for a new drilled bedrock well to serve the residence. Also included is our previous correspondence on the matter.

Please let me know if you require additional information or have any questions. We look forward to securing a permit.

Very truly yours,
Trudell Consulting Engineers (TCE)

Nathan Howells, P.E.
Project Manager

S:_TCE PROJECTS\2011\058 George Ewins Jr\WW Permit App\Cover Letter.doc



GEORGE D EWINS JR
MARIE-MICHELLE GAUDREAU
2979 GREENBUSH RD
CHARLOTTE, VT 05445-9314

Beyond Banking®

2801

87-176/843

04-09-2012
DATE

PAY TO THE ORDER OF Town of Charlotte $ 250.00

— two hundred and fifty — ~~0~~ ~~100~~ DOLLARS

Security Features Details on Back.

Merrill Lynch

Bank of America

MEMO

M M Gaudreau MP

⑆084301767⑆ 0403200126 54⑈ 2801

Nate Howells, P.E.

From: Tom Mansfield <Tom@townofcharlotte.com>
Sent: Thursday, March 01, 2012 10:34 AM
To: Nate Howells, P.E.
Cc: 'spencer harris'
Subject: RE: New Well @ 2979 Greenbush Road

Hi Nathan

Spencer will have to answer question #1. A post install inspection is not normally required.

$250.00 is the correct fee.

Once a permit is issued, the well can be drilled at the convenience of the property owner. You will certify as to the completed construction. I'm not certain where the legislation is at regarding the testing of all new wells, even private, residential. So here again, Spencer should respond to this part of the question.

Tom

From: Nate Howells, P.E. [mailto:Nate.HowellsP.E@trudellconsulting.com]
Sent: Wednesday, February 29, 2012 4:07 PM
To: Tom Mansfield; spencerk@accessvt.com
Cc: John Pitrowiski, P.E.; Marie-Michelle Gaudreau; Ewins jr, George (Burlington, VT)
Subject: New Well @ 2979 Greenbush Road

Tom/ Spencer,

I have been working with the Ewins family regarding the WW permit application process to site a new well for their property at 2979 Greenbush Road in Charlotte. I intend to submit a site plan and WW application package to the Town to obtain approval for this new water source, but first wanted to ask a few questions that will help me clarify my scope of services and potential bureaucratic costs to my client.

1. Since only a new well is being proposed, with no changes to any existing septic systems, will a pre-design site visit with Spencer be necessary? Will a post install site visit be necessary?

2. Since the planned application is for replacement of an existing water source, please confirm that the plancheck / application fee will be $250.00 per the Town website

3. What is the order of operations for approval of the well location, construction, and certification? Will any special requirements for quality/quantity/bac-t testing, etc be discussed ahead of time, and/or will they be conditioned in the Town- issued WW permit?

Thanks and I look forward to your reply!

Nathan Howells, P.E.

Project Manager

Drinking Water & Groundwater Protection Division - Permit Application

Wastewater System & Potable Water Supply

VERMONT
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

For Office Use Only:

Application#	PIN#	Date Complete Application Received

Authority:
10 V.S.A. Chapter 64, the Environmental Protection Rules, Chapter 1, Wastewater System & Potable Water Supply Rules, and Chapter 21, Water Supply Rules, Appendix A. Part 11 - Small Scale Water Systems.

General Information:
The organization and/or content of this form may not be altered, however, the form is designed to expand to allow additional information to be entered. Changes in the organization and/or content of the form may result in an invalid application or permit.

In most cases a licensed designer will be required for your project and to help complete this application form. There are also line-by-line instructions available to assist with completing this form.

***NOTE:* We strongly suggest referring to the application instructions while completing this application form.**

Part I Applicant (Landowner) & Project Contact Information

Section A - Applicant Details (if Landowner is an Individual or Individuals)

1 Last Name	2 First Name (and Middle Initial if appropriate)
Ewins, Jr.	George

3 Mailing Address Line 1	4 Mailing Address Line 2
2979 Greenbush Road	

5 Town/City	6 State/Province	7 Country	8 Zip/Postal Code
Charlotte	Vermont	United States	05445

9 Email Address	10 Telephone
george_ewinsjr@ml.com	233-2167

Remove This Applicant

Add Another Applicant

Section B - Applicant Details (if Landowner is other than an Individual or Individuals, e.g. Corporations, Homeowner's Associations, etc.)

1 Registered Legal Entity or Organization Name	2 Telephone

3 Mailing Address Line 1	4 Mailing Address Line 2

5 Town/City	6 State/Province	7 Country	8 Zip/Postal Code
		United States	

Certifying Official
The Certifying Official must be a person who has signatory authority for the legal entity or organization that is the Applicant. A copy of the document authorizing this person to act as a signatory authority must be attached to this application.

9 Certifying Official Last Name	10 Certifying Official First Name (and MI if appropriate)

11 Certifying Official Title

12 Certifying Official Email Address	13 Telephone

Remove This Applicant

Add Another Applicant

Section C - Primary Contact Information (if other than Applicant)

1 Last Name	2 First Name (and Middle Initial if appropriate)

3 Mailing Address Line 1	4 Mailing Address Line 2

5 Town/City	6 State/Province	7 Country	8 Zip/Postal Code
		United States	

9 Email Address	10 Telephone

Section D - Building/Business Owner Information

1 Last Name	2 First Name (and Middle Initial if appropriate)

3 Mailing Address Line 1	4 Mailing Address Line 2

5 Town/City	6 State/Province	7 Country	8 Zip/Postal Code
		United States	

9 Email Address	10 Telephone

Part II Certifying Designer(s) Information

1 Designer Last Name	2 Designer First Name (and Middle Initial if appropriate)
Howells	Nathan

3 Designer License#	4 Company Name
60545	Trudell Consulting Engineers (TCE)

5 Mailing Address Line 1	6 Mailing Address Line 2
PO Box 308	

7 Town/City	8 State/Province	9 Country	10 Zip/Postal Code
Williston	Vermont	United States	05495

11 Email Address	12 Telephone
nate@trudellconsulting.com	879-6331

13 Designer Role(s) (check all that apply)

- [x] Water Supply Designer
- [ ] Wastewater Disposal System Designer

Remove This Designer

Add Another Designer

Part III Property Location Information

Section A - Property Location

1 Please provide the property Town and the property address or a brief description of the location.

(a) Town or City	(b) Street or Road Location
Charlotte	2979 Greenbush Road

Section B - Center of Property GPS Coordinates

1 Enter the approximate center of property coordinates using GPS set for NAD83 or as derived from a map (map must be based on NAD83).

(a) Latitude
(in decimal degrees to five decimal places, ex. 44.38181°)

N 44.30805 °

(b) Longitude
(in decimal degrees to five decimal places, ex. -72.31392 °)

W (-) 73.25381 °

Part IV Project Information

Section A - General Project Information & Questions

1 Project Name (if applicable): Ewins

2 Total Acreage of Property: 1.8

3 Business Name (if applicable):

4 Detailed Project Description: Permit location for construction of a new drilled bedrock well to serve the Ewins property with potable water.

5 (a) Were all existing buildings or structures, campgrounds, and their associated potable water supplies and wastewater systems substantially completed before January 1, 2007? ..... (●) Yes ( ) No

(b) Were all existing improved and unimproved lots in existence before January 1, 2007? ..... (●) Yes ( ) No

6 Does this application include subdividing the property? ..... ( ) Yes (●) No

7 Has anyone from the Drinking Water & Groundwater Protection Division's Regional Office been to the property? ..... ( ) Yes (●) No

If Yes, enter the staff person's name and the date of the visit.

(a) Name of Staff Person

(b) Date of Visit (m/d/yyyy)

8 Will any construction occur within 50 feet of a wetland boundary, mapped or designated? ..... ( ) Yes (●) No

If Yes, contact the Wetlands Program of the Watershed Management Division at (802) 338-4835.

9 Will more than one acre be disturbed during the entire course of construction, including all lots and phases? ..... ( ) Yes (●) No

If Yes, contact the Stormwater Program of the Watershed Management Division at (802) 241-4320.

10 Will there be any stream crossings by roads, utilities, or other construction? ..... ( ) Yes (●) No

If Yes, contact the River Corridor Mgmt. Program of the Watershed Management Division at:

Central & Northwest Vermont ..... (802) 879-5631
Southern Vermont ..... (802) 786-5906
Northeastern Vermont ..... (802) 751-0129

11 Is the project located in a special flood hazard area as designated on the flood insurance maps prepared for a municipality by the Federal Emergency Management Agency? ..... ( ) Yes (●) No

If Yes, show the special flood hazard area limits on the site plan.

12 Act 250: Has the Applicant (Landowner) subdivided any other lots of any size within a five mile radius of this subdivision, or within the environmental district within the last five years ? ..... ( ) Yes (●) No

If Yes, enter the town(s) and the associated number of lots in the table below:

	(a) Town	(b) Number of Lots
X		

Add Another Town/Lot

13 Is there any prior Act 250 jurisdiction on the tract of land? ..... ( ) Yes (●) No

If Yes, enter the Act 250 permit number:

(a) Act 250 Permit Number

Section B - Project Deed Reference

1 Please provide the Town, Parcel ID, Book, and Page reference for the current landowner's deed(s) to this property:

	(a) Town	(b) Parcel ID	(c) Book	(d) Page(s)
X	Charlotte	00004-2979		

Add Another Deed Reference

Section C - Project Plan Reference

1 Please provide the following information for all water supply and wastewater disposal system plans being submitted.

	(a) Sheet#	(b) Title	(c) Plan Date	(d) Plan Revision Date
X	C5.01	Site Plan	4/4/12	
X	C8.01	Details	4/4/12	

Add Another Plan Reference

Section D - Existing Project Lot/Building Details

Please provide the existing project details. This section is used to describe what is existing for the project. For example, if you are subdividing an undeveloped 21-acre parcel, you would list the existing parcel. If you are revising the boundary lines of two commercial lots in an industrial park, and constructing an addition to an existing building you would list the existing lot numbers, existing acres, existing buildings, existing uses, construction date(s), prior permits, and answer the compliance questions.

1 Lot#	2 Lot Size (acres)	3 Existing Use of the Lot
15	1.8	Residential

4 Provide the following information for each building on the lot:

	(a) Building ID	(b) Existing Use	(c) Date Construction of Building Substantially Complete	(d) Prior Permits	(e) In compliance with with existing permits?
X	House	Residential	1/1/1900		◯ Yes ◯ No
X	Studio		1/1/1900		◯ Yes ◯ No

Add Another Building

Remove This Lot

Add Another Lot

Section E - Proposed Project Lot/BuildingDetails

This section is used to describe what you are proposing to do in this project. For example, if you were going to create 4 lots for construction of single family residences, you would list each lot, proposed acreage, proposed buildings, and proposed use.

1 Lot#	2 Lot Size (acres)	3 Proposed Use of the Lot
15	1.8	No change

4 Is the lot being created as part of a subdivision? ..... ◯ Yes ◉ No

5 Are you requesting that the Blood, Marriage, or Civil Union special fee be applied to this lot? ..... ◯ Yes ◉ No

6 If the lot is exempt, please indicate the specific exemption from the Wastewater System and Potable Water Supply Rules? .....

7 Provide the following information for each building on the lot:

	(a) Building ID	(b) If building is exempt, indicate exemption	(c) Construction or increased flow?	(d) Proposed Use
X	House		☒	No change
X	Studio		☒	No change

Add Another Building

Remove This Lot

Add Another Lot

Part V Water Supply Information

Section A - Water Supply Screening Questions

1 Are you proposing a new water supply or water service line or changes to a permitted but not constructed water supply or water service line for this project? ..... (●) Yes ( ) No

2 Are you proposing changes to an existing water supply or water service for this project (including changes to location, design flows, or operational change)? ..... (●) Yes ( ) No

3 Is there an existing connection to a water supply or water service line for this project? ..... (●) Yes ( ) No

Complete Part V if you answered Yes to any of the above questions. A project with no existing or proposed water supply may skip to Part VI.

Section B - General Water Supply Questions

1 Does this project involve a failed water supply? ..... ( ) Yes (●) No

2 Will any of the proposed water sources serve 25 or more people or have 15 or more service connections? ..... ( ) Yes (●) No

If Yes, the applicant must contact the Drinking Water & Groundwater Protection Division at (802) 241-3400 for source, construction and an operating permit.

3 Are any of the existing or proposed water sources located within a special flood hazard area? ..... ( ) Yes (●) No

4 Are any of the existing or proposed water sources located within a floodway? ..... ( ) Yes (●) No

5 Are any of the proposed water sources located within 1 mile of a hazardous waste site as designated by the Waste Management Division and identified on the Agency mapping website? ..... (●) Yes ( ) No

If Yes, please submit additional information on the site. The Waste Management Division can be reached at (802) 241-3888.

6 Does this project require an approval letter from the Drinking Water & Groundwater Protection Division for the construction of a public water system, municipal water line extension over 500 feet, or hydrants or sprinkler systems? ..... ( ) Yes (●) No

If Yes, please submit a copy of the approval letter from the Drinking Water & Groundwater Protection Division.

7 Does the proposed or existing water supply(ies) use a water treatment device to obtain compliance with the quality requirements in the Water Supply Rule? ..... ( ) Yes (●) No

If Yes, please submit additional information regarding the constituent(s) that exceeds the standards and plans, details, and specifications of the treatment device.

8 Is any portion of the proposed water supply located in or near a Water Source Protection Area as designated by the Drinking Water & Groundwater Protection Division? ..... ( ) Yes (●) No

If in areas of known interference issues, contact the Drinking Water & Groundwater Protection Division at (802) 241-3400.

Section C - Individual Water Supply Details

Please provide the following information for each of the existing and proposed water supply(ies) serving a building or structure, or campground on the property.

1 Water Supply Name/Identifier	2 Water Supply Owner (if not Applicant)
Ewins	
3 Water Source Type	**4 Type of Change to Supply**
Non-Public Drilled Bedrock Well	New System

5 Lots/Buildings Served by this Water Supply System

	(a) Lot#	(b) Building ID	(c) Type of Change to the Building's Supply	Design Flows (Gallons Per Day) (d) Existing	(e) Change	(f) Total	(g) Rule or Meter Based Flows
X	15	House	Connection to New System	280	0	280	Rule-based
X	15	Studio	Connection to New System	0	0	0	Rule-based

Add Another Lot/Building Served by this Supply

6	7	8
280	0	280

9 Is this water supply located off-lot? ..... ◯ Yes ◉ No

10 Is this water supply shared? ..... ◯ Yes ◉ No

If the water supply is located off-lot or shared, submit a copy of the agreement to provide an easement prior to construction.

11 Is a variance being requested for this water supply? ..... ◯ Yes ◉ No

If Yes, please submit additional details related to the variance request.

Remove This Water Supply

Add Another Water Supply

Section D - Water Supply Design Flows Summary Table

1 If the project includes more than one water supply, please list each water supply system and provide the total water supply design flows for the project. **IMPORTANT**: Please don't include systems that were identified in this Part on Section C, Line 4 as a "Replacement Area Designation" in this summary table.

		Design Flows (Gallons Per Day)		
	(a) Water Supply Name/Identifier	(b) Existing	(c) Change	(d) Total
X	Ewins	280	0	280
		2	3	4
		280	0	280

Add Another Water Supply

Part VI Wastewater Disposal System Information

Section A - Wastewater Disposal System Screening Questions

1 Are you proposing a new or replacement wastewater disposal system, a new wastewater service line, or changes to a permitted but not constructed wastewater disposal system or wastewater service line for this project? ..... ◯ Yes ◉ No

2 Are you proposing changes to an existing wastewater disposal system, replacement wastewater disposal system, replacement area, or wastewater service line for this project (including changes to location, design flows, or operational change)? ..... ◯ Yes ◉ No

3 Is there an existing connection to a wastewater disposal system or wastewater service line for this project? ..... ◉ Yes ◯ No

Complete Part VI if you answered Yes to any of the above questions.
A project with no existing or proposed wastewater disposal systems may skip to Part VII.

Section B - General Wastewater Disposal System Questions

1 Does this project involve a failed wastewater disposal system? ..... ◯ Yes ◉ No

2 Do any of the systems require a curtain or dewatering drain as part of the design? ..... ◯ Yes ◉ No

3 Is a hydrogeologic study required for this project? ..... ◯ Yes ◉ No

4 For projects using soil-based wastewater systems having a total design flow that exceeds 1,000 gpd, is this project located in a Class A Watershed? ..... ◯ Yes ◯ No ◉ NA

If Yes, indicate the Class A Watershed in which the system(s) is located:

(a) Class A Watershed Name

5 Are there any existing or proposed floor drains as part of this project? ○ Yes ◉ No

If Yes, indicate where the floor drains will discharge:

(a) Floor Drain Discharge Point

6 If the project utilizes an Innovative/Alternative System or Product, has the applicant received a copy of the Drinking Water & Groundwater Protection Division's approval letter? ○ Yes ○ No ◉ NA

7 Is any portion of the proposed wastewater disposal system located in or near a Water Source Protection Area as designated by the Drinking Water & Groundwater Protection Division? ○ Yes ○ No

If Yes, contact the Drinking Water & Groundwater Protection Division at (802) 241-3400.

Section C - Individual Wastewater Disposal System Details

Please provide the following information for each of the existing and proposed wastewater disposal systems serving a building or structure, or campground on the property.

1 Wastewater Disposal System Name/Identifier	2 Wastewater Disposal System Owner (if not Applicant)
Ewins	
3 Wastewater Disposal System Type	**4 Type of Change to System**
In-ground	No Change

5 Lots/Buildings Served by this Wastewater Disposal System

	(a) Lot#	(b) Building ID	(c) Type of Change to the Building's System	Design Flows (Gallons Per Day) (d) Existing	(e) Change	(f) Infiltration	(g) Total	(h) Rule or Meter Based Flows
X	15	House	No Change	280	0	0	280	Rule-based
X	15	Studio	No Change	0	0	0	0	Rule-based
			6	280	0	0	280	

Add Another Lot/Building Served by this System

10 Is this wastewater disposal system located off-lot? ○ Yes ◉ No

11 Is this wastewater disposal system shared? ○ Yes ◉ No

If the wastewater disposal system is located off-lot or shared, submit a copy of the agreement to provide an easement prior to initiation of construction.

12 Is a variance being requested for this wastewater disposal system? ○ Yes ◉ No

If Yes, please submit additional details related to the variance request.

13 If this wastewater disposal system type is a connection to an Indirect Discharge System, please provide the Indirect Discharge System ID number.

Indirect Discharge System ID Number

14 If this wastewater disposal system type is a connection to a municipal system, please select the town.

Town

15 If this wastewater disposal system is a soil-based system, please select the design approach used.

Design Approach Used

16 For soil-based systems, please check all that apply (Note: Store and dose does not apply to standard pump/pump chamber systems).

☐ Storage and Dose ☐ Filtrate ☐ Constructed Wetlands

17 If this is an Innovative/Alternative soil-based system, please select the system use type.

Innovative/Alternative System Use Type

18 If this is an Innovative/Alternative soil-based system, please select the Innovative/Alternative system or product.

Innovative/Alternative System or Product

Remove This Wastewater System

Add Another Wastewater System

Section D - Wastewater Disposal Systems Design Flows Summary Table

1 If the project includes more than one wastewater disposal system, please list each system on this page and provide the total wastewater disposal design flows for the project. **IMPORTANT**: Please don't include systems that were identified in this Part on Section C, Line 4 as a "Replacement Area Designation" in this summary table.

		Design Flows (Gallons Per Day)			
	(a) Wastewater Disposal System Name/Identifier	(b) Existing	(c) Change	(d) Infiltration	(e) Total
X	Ewins	280	0	0	280
	2	280	0	0	280
	3				
	4				
	5				

Add Another Wastewater System

Part VII Application Fees

1 Fee Amount $250.00

2 Fee Calculation Details

Town of Charlotte, confirmed w/ Mr. Mansfield (see attached correspondence)

Part VIII Designer Certification & Copyright License

Section A - Certifying Designer 1 Certification & Copyright License

"i hereby certify that in the exercise of my reasonable professional judgment, the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules.

As the individual who prepared this application, including all documents that are marked as copyrighted, I hereby grant a non-exclusive, limited license to the State to allow the documents to be made available for public review and copying in order to properly implement and operate the permitting programs for Wastewater Systems and Potable Water Supplies, and for no other purposes. As a condition to this license, the State agrees that it will not make any changes to such documents, nor will the State delete any copyright notices on such documents."

1 Check the design(s) you are certifying. This should be the same as the Designer Role(s) you selected in Part II, Section A, Line 13.

- [x] Water Supply Designer
- [ ] Wastewater Disposal System Designer

1 Designer 1 Name	2 Designer 1 Signature	3 Signature Date
Nathan T Howells		4/4/12

Section B - Certifying Designer 2 Certification & Copyright License

"i hereby certify that in the exercise of my reasonable professional judgment, the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules.

As the individual who prepared this application, including all documents that are marked as copyrighted, I hereby grant a non-exclusive, limited license to the State to allow the documents to be made available for public review and copying in order to properly implement and operate the permitting programs for Wastewater Systems and Potable Water Supplies, and for no other purposes. As a condition to this license, the State agrees that it will not make any changes to such documents, nor will the State delete any copyright notices on such documents."

1 Check the design(s) you are certifying. This should be the same as the Designer Role(s) you selected in Part II, Section B, Line 13.

- [ ] Water Supply Designer
- [ ] Wastewater Disposal System Designer

1 Designer 2 Name	2 Designer 2 Signature	3 Signature Date

Part IX Applicant(s) Signature & Acknowledgements

In order to insure compliance with the requirements of the regulations administered by the Department of Environmental Conservation, Drinking Water & Groundwater Protection Division, it may be necessary to visit the property. As this would involve a Department employee entering private property, we request your approval to do so.

1 If we do visit your property, do you have any special instructions?

"As landowner of the property for which I am requesting a permit from the Department of Environmental Conservation, I understand that by signing this application I am granting permission for the Department employees to enter the property, during normal working hours, to insure compliance of the property with the applicable rules of the Department.

I also understand that I am not allowed to commence any site work or construction on this project without written approval from the Department of Environmental Conservation.

If my project utilizes an Innovative/Alternative System or Product, I have received a copy of the Drinking Water & Groundwater Protection Division's approval letter and agree to abide by the conditions of the approval.

I also certify that to the best of my knowledge and belief the information submitted above is true, accurate and complete."

X	2 Print Applicant Name	3 Applicant Signature	4 Signature Date
	Geroge Ewins, Jr.		4/4/12

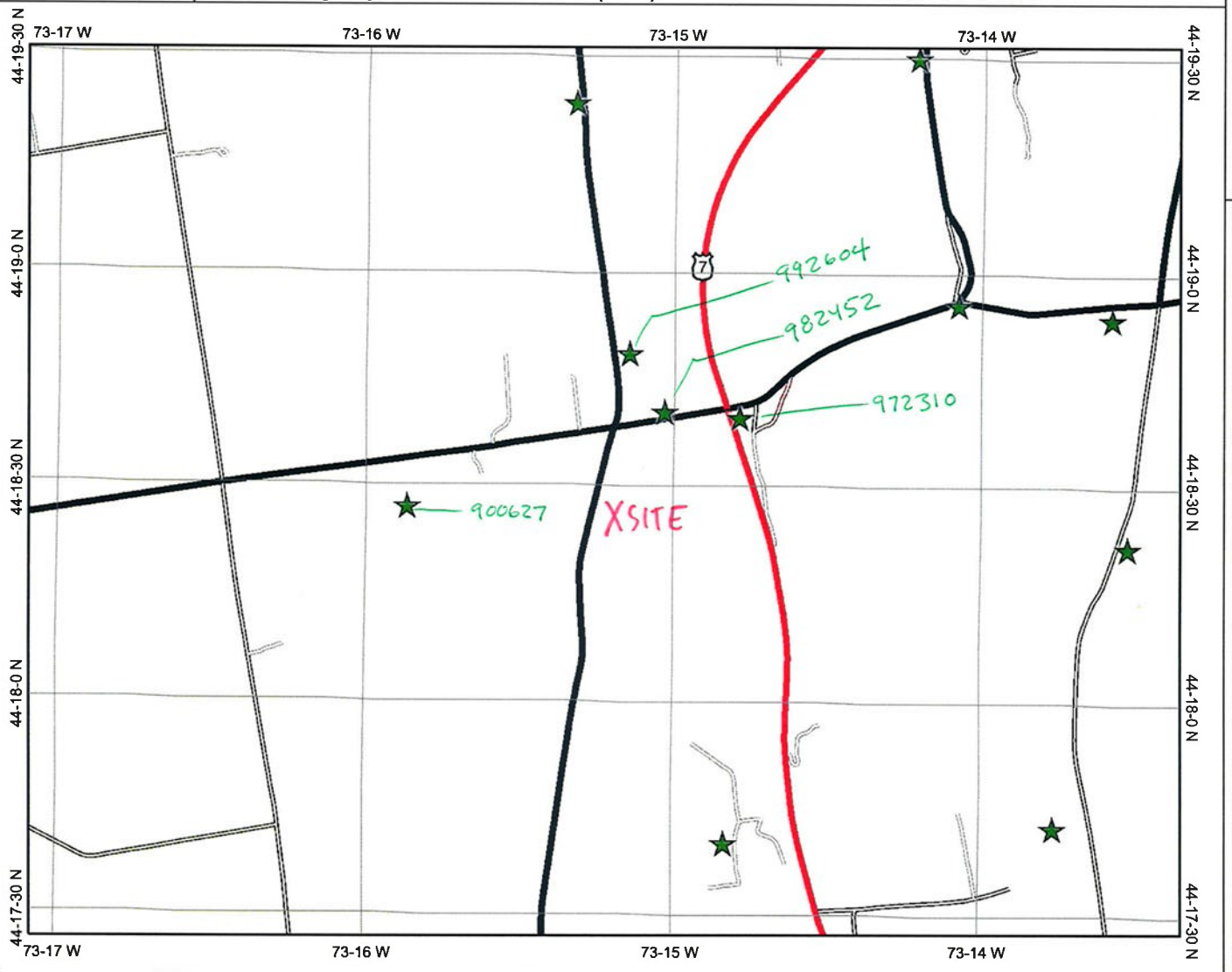
Add Applicant Signature Block

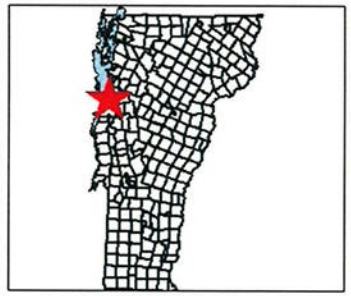
VERMONT

ANR Environmental Interest Locator

Vermont Agency of Natural Resources (ANR)

Haz Mat Sites





Legend

- Hazardous Waste Site
- Hazardous Waste Site Generator
- Roads
  - US Highway
  - Vermont State Highway
  - Class One
  - Class Two
  - Legal Trail
  - Emergency U-Turn Area
  - Proposed Class Two
  - Proposed Class Three
  - Proposed Vermont State Highway
  - Proposed US Highway
  - Proposed Interstate
  - Discontinued
  - Interstate
  - Class Three
  - Class Four
  - State/National Forest Highway
  - Military Road (No Public Access)
  - Private Road
- Hydrography Lakes and Ponds (VHD 5k)
- Hydrography (VHD 5k)
- VT County Boundary
- VT Town Boundaries (No Fill)
- VT State Boundary (Fill)

VT State Plane Meters (NAD83)

N

Scale: 1:26,813

Map center: 439863, 201148

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. VCGI and the State of Vermont make no representations of any kind, including but not limited to the warranties of merchantability or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

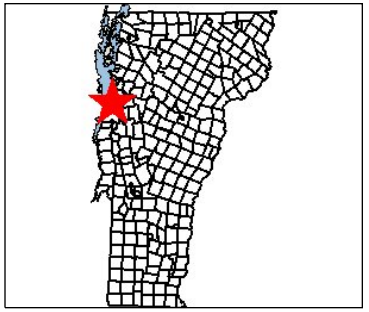
URL: http://maps.vermont.gov/imf/sites/ANR_NATRESViewer/jsp/launch.jsp

3/14/12

ANR Environmental Interest Locator

Vermont Agency of Natural Resources (ANR)

Floodway



Legend

Roads
- US Highway
- Vermont State Highway
- Class One
- Class Two
- Legal Trail
- Emergency U-Turn Area
- Proposed Class Two
- Proposed Class Three
- Proposed Vermont State Highway
- Proposed US Highway
- Proposed Interstate
- Discontinued
- Interstate
- Class Three
- Class Four
- State/National Forest Highway
- Military Road (No Public Access)
- Private Road

DFIRM Floodways (Preliminary)
- FLOODWAY

Special Flood Hazard Areas (Preliminary DFIRMS)
- AE (1-percent annual chance floodplains with elevations)
- A (1-percent annual chance floodplains without elevations)
- AO (1-percent annual chance zone of shallow flooding 1-3 feet)
- 0.2-percent annual chance flood hazard zone

DFIRM Floodways (All Available Counties Effective 7.2011)
- FLOODWAY

Special Flood Hazard Areas (All Available Counties Effective 7.2011)
- AE (1-percent annual chance floodplains with elevations)
- A (1-percent annual chance floodplains without elevations)
- AO (1-percent annual chance zone of shallow flooding 1-3 feet)
- 0.2-percent annual chance flood hazard zone
- Hydrography Lakes and Ponds (VHD 5k)
- Hydrography (VHD 5k)

VT State Plane Meters (NAD83)

N

Scale: 1:3,352

0 325 650 975 ft.

Map center: 439891, 201286

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. VCGI and the State of Vermont make no representations of any kind, including but not limited to the warranties of merchantability or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

Notes: None

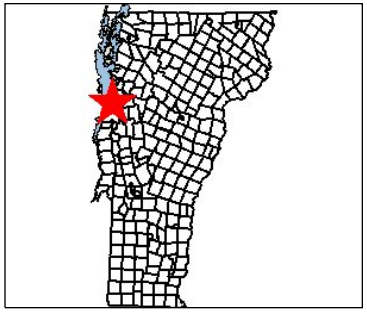
URL: http://maps.vermont.gov/imf/sites/ANR_NATRESViewer/jsp/launch.jsp

3/14/12

ANR Environmental Interest Locator

Vermont Agency of Natural Resources (ANR)

Source Protection



Legend

Roads
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- Vermont State Highway
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- Proposed Vermont State Highway
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- Military Road (No Public Access)
- Private Road

- SurfaceWaterSPA
- GroundWaterSPA
- Class IV Groundwater SPA
- Hydrography Lakes and Ponds (VHD 5k)
- Hydrography (VHD 5k)
- VT County Boundary
- VT Town Boundaries (No Fill)
- NAIP Color Orthophotos 2009
- VT State Boundary (Fill)

0 325 650 975 ft.

VT State Plane Meters (NAD83)

Scale: 1:3,352

Map center: 439891, 201286

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Notes: None affected

URL: http://maps.vermont.gov/imf/sites/ANR_NATRESViewer/jsp/launch.jsp

3/14/12

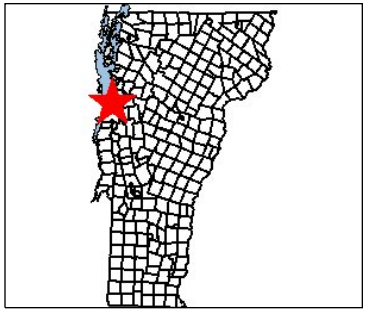
ANR Environmental Interest Locator

Vermont Agency of Natural Resources (ANR)

Watershed

0 325 650 975 ft.

Map center: 439891, 201286



Legend

Roads
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- Vermont State Highway
- Class One
- Class Two
- Legal Trail
- Emergency U-Turn Area
- Proposed Class Two
- Proposed Class Three
- Proposed Vermont State Highway
- Proposed US Highway
- Proposed Interstate
- Discontinued
- Interstate
- Class Three
- Class Four
- State/National Forest Highway
- Military Road (No Public Access)
- Private Road

Stormwater Impaired SubWatershed

Stormwater Impaired Watershed

Hydrography Lakes and Ponds (VHD 5k)

Hydrography (VHD 5k)

VT County Boundary

VT Town Boundaries (No Fill)

NAIP Color Orthophotos 2009

VT State Boundary (Fill)

VT State Plane Meters (NAD83)

N

Scale: 1:3,352

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Notes: None impared

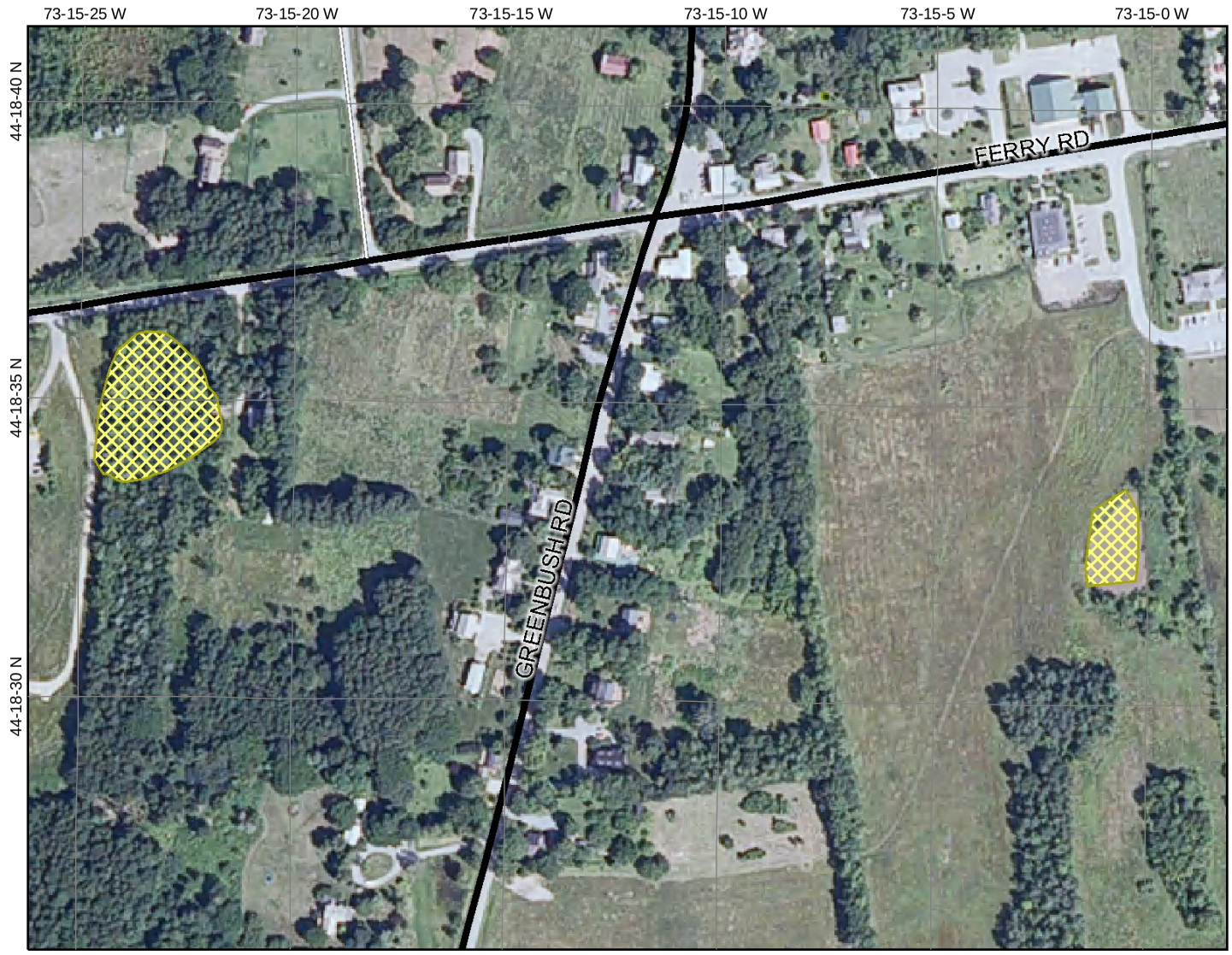
URL: http://maps.vermont.gov/imf/sites/ANR_NATRESViewer/jsp/launch.jsp

3/14/12

ANR Environmental Interest Locator

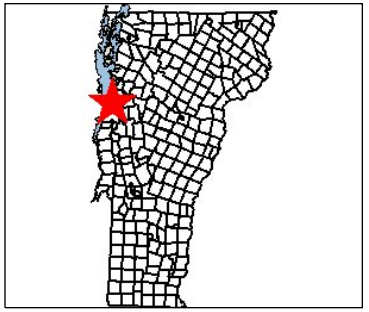
Vermont Agency of Natural Resources (ANR)

Wetlands



0 325 650 975 ft.

Map center: 439891, 201286



Legend

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- Class Two
- Legal Trail
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- Proposed Class Two
- Proposed Class Three
- Proposed Vermont State Highway
- Proposed US Highway
- Proposed Interstate
- Discontinued Interstate
- Class Three
- Class Four
- State/National Forest Highway
- Military Road (No Public Access)
- Private Road
- Wetland Advisory Layer: Class 3 Wetlands

VSWI
- Class 1 Wetland
- Class 2 Wetland
- Hydrography Lakes and Ponds (VHD 5k)
- Hydrography (VHD 5k)
- VT County Boundary
- Hydric Soils

- Hydric Soils
- VT Town Boundaries (No Fill)
- NAIP Color Orthophotos 2009
- VT State Boundary (Fill)

VT State Plane Meters (NAD83)

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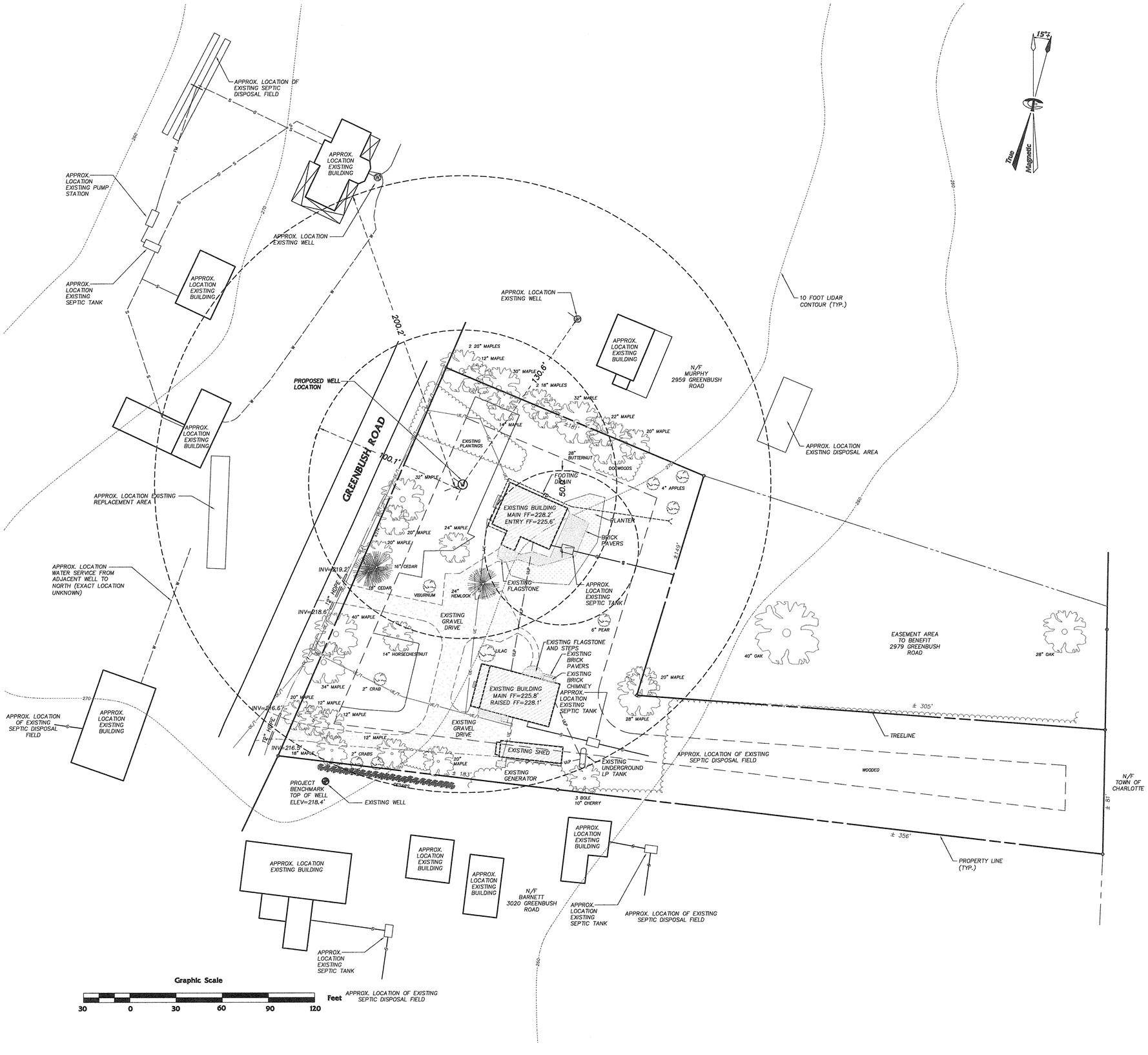

GENERAL NOTES:

1. OWNER OF RECORD: GEORGE EWINS, JR.
2. TAX PARCEL ID: 0004-2979
3. PHYSICAL ADDRESS OF PROPERTY: 2979 GREENBUSH ROAD
4. PARCEL SIZE: 1.8 AC±
5. ZONING DISTRICT: WEST CHARLOTTE VILLAGE
6. TOPOGRAPHIC INFORMATION BASED ON LIDAR.
7. THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS SHOWN ARE ASSUMED BASED ON RESEARCH, UTILITY PLANS PROVIDED BY OTHERS, AND/OR SURFACE EVIDENCE AVAILABLE AND WERE OBTAINED IN A MANNER CONSISTENT WITH THE ORDINARY STANDARD OF PROFESSIONAL CARE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE DESIGN ENGINEER. ENGINEER SHALL BE NOTIFIED IF ANY DISCREPANCIES ARE ENCOUNTERED. ACTUAL LOCATION OF UNDERGROUND UTILITIES MAY VARY. DIGSAFE MUST BE CONTACTED PRIOR TO AY EXCAVATION.

REFERENCE PLANS:

1. PLAN ENTITLED "EXISTING CONDITIONS SITE PLAN" DATED AUG. 2011 BY CIVIL ENGINEERING ASSOCIATES, INC.

TRUDELL CONSULTING ENGINEERS (TCE)

478 Blair Park Road P.O. Box 308 (802) 879-6331(phone)
Williston, Vermont 05495 (802) 879-0060(fax)

Visit Us on the Web at: www.TrudellConsulting.com

USE AND INTERPRETATION OF THE DRAWINGS

1. Unless otherwise noted, these Drawings are intended for preliminary planning, coordination with other disciplines or utilities, and/or approval from the regulatory authorities. They are not intended as construction drawings unless noted as such.

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4. By use of these drawings for construction of the Project, the Owner represents that they have reviewed, approved, and accepted the drawings and have met with all applicable parties/disciplines to insure these plans are properly coordinated with other aspects of the Project. The Owner and Architect, are responsible for any buildings shown, including an area measured five (5) feet around any building.

5. It is the User's responsibility to ensure this copy contains the most current revisions.

Project Location

No.	Description	Date	By

Revisions

Project Title

GEORGE EWINS

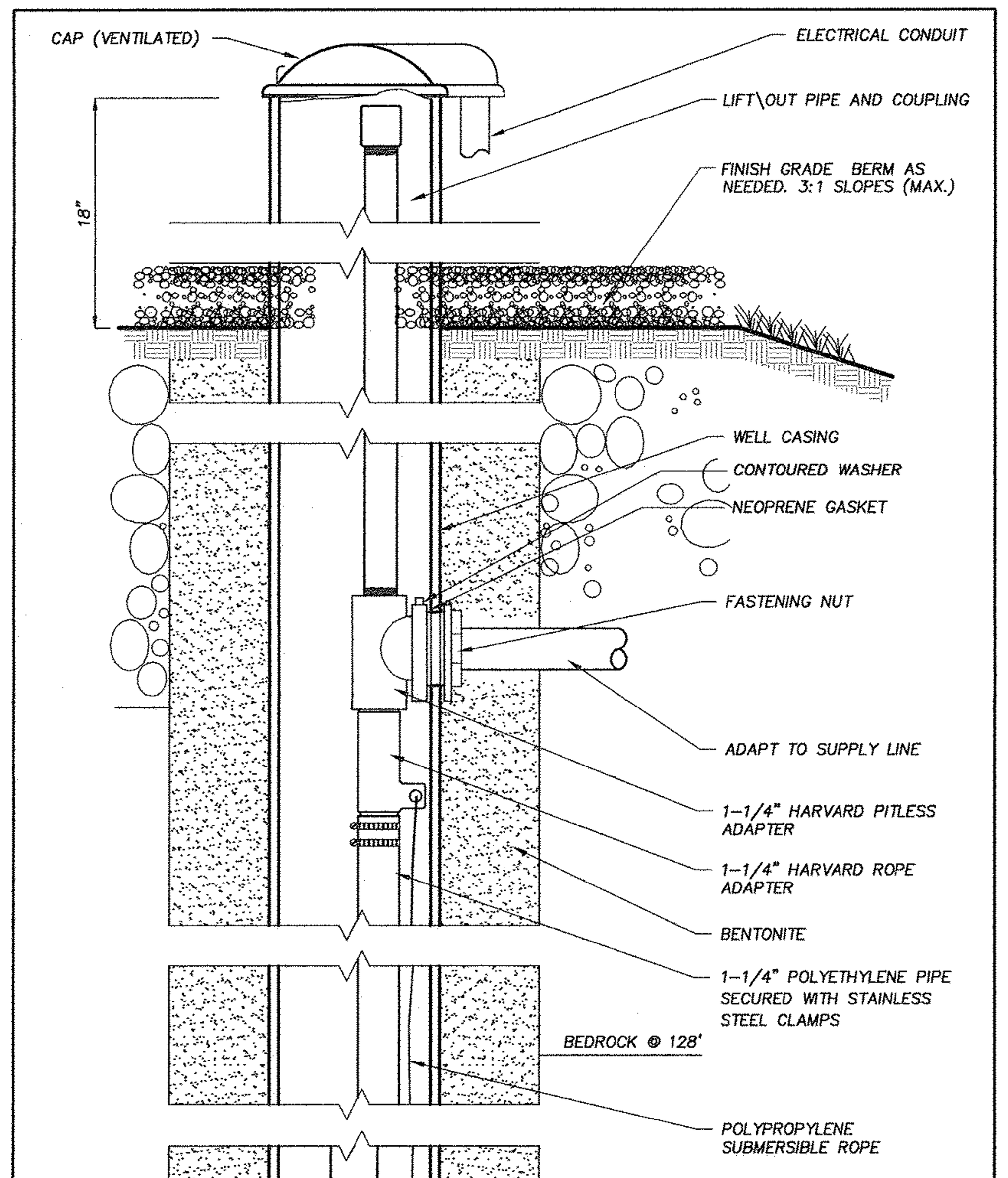
2979 Greenbush Road Charlotte, Vermont

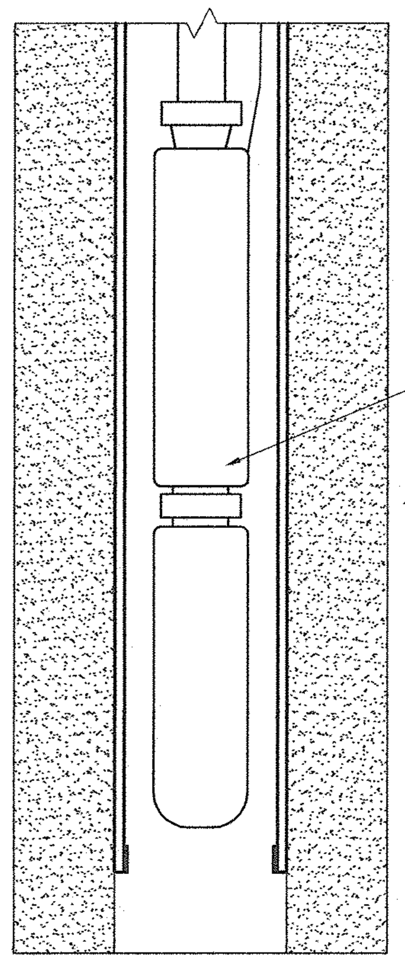
Sheet Title

Site Plan

Drawing Number : 2011058-50 Extension : 1
Project manager : NTH Drawn : RMP
Date : 4/4/12 F.B. 000 Scale : 1" = 30'
Project reference : XXX X-Ref : XXX
Bench File : XXX
Approved

C5.01





SPECIAL NOTES:
THE WELL SHOWN ON THE SITE PLAN MEETS CURRENT STATE SETBACKS AND IN NO WAY IS AN ASSURANCE THAT THE QUALITY OR QUANTITY OF WATER THAT WILL BE FOUND IN THAT LOCATION WILL BE SUFFICIENT.

THE PROPOSED DRILLED WELL SHALL BE CONSTRUCTED ACCORDING TO THE ENVIRONMENTAL PROTECTION RULES CHAPTER 21 WATER SUPPLY RULE APPENDIX A, PART 12 CONSTRUCTION & ISOLATION STANDARDS FOR WELLS.

PUMP : TBD' BELOW SURFACE (PUMP SHOWN NEAR CASING EXTENT FOR CLARITY ONLY)

WELL DRILLER'S REPORT

DRILLED BY : HA MANOSH CORPORATION
TAGGED: WELL #TBD

WELL COMPLETED ON X/XX/XX

GROUTED: TBD

TOTAL DEPTH TBD'
TBD' OF X" STEEL CASING

YIELD FOR WELL: X GPM (BLOW TEST)
STATIC LEVEL: 0'

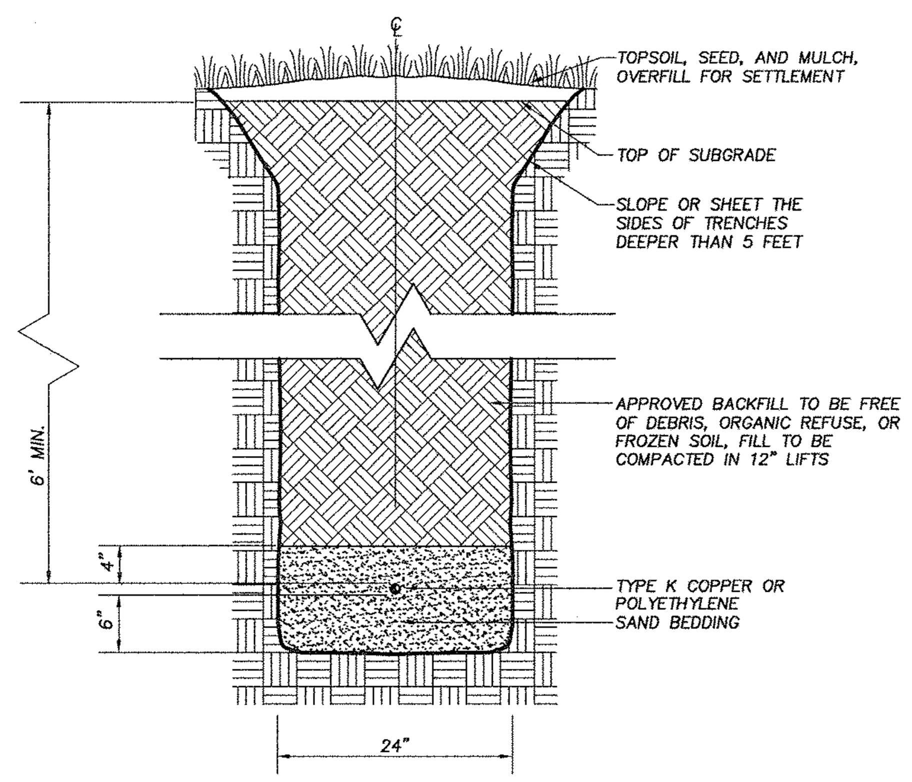
SOIL INFORMATION:

0'–X'	?
X'–Y'	??
Y'–Z'	???
Z'–Q'	????

1 EXISTING WELL DETAIL

2"=1'0"

2008 TRUDELL CONSULTING ENGINEERS LAST REVISED 01/07/08 WTR–033S



2 TYPICAL WATER SERVICE TRENCH

3/4"=1'–0"

2011 TRUDELL CONSULTING ENGINEERS LAST REVISED 2/07/11 WTR–020S

CONTRACTOR'S CERTIFICATION REQUIRED

PRIOR TO THE DESIGN ENGINEER CERTIFYING THAT THE INSTALLATION HAS BEEN INSTALLED IN ACCORDANCE WITH THE PERMITTED DESIGN, THE CONTRACTOR SHALL PROVIDE A CERTIFICATION THAT THE WATER SYSTEM WAS INSTALLED AND TESTED IN ACCORDANCE WITH THE APPROVED DESIGN PLANS. STATE PERMITS REQUIRE THERE SHALL BE NO DEVIATIONS FROM THE APPROVED PLANS WITHOUT PRIOR APPROVALS. THE DESIGN ENGINEER SHALL BE NOTIFIED AND ALLOWED TO OBSERVE THE CRITICAL PHASES OF CONSTRUCTION INCLUDING ANY REQUIRED TESTS. LIKEWISE, THE DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DEVIATIONS FROM THE APPROVED PLANS. SINCE THE DESIGN ENGINEER DOES NOT CUSTOMARILY OBSERVE ALL PHASES OF THE WORK, OR ALL TESTING, HE MAY RELY ON THE CONTRACTOR'S CERTIFICATION AS THE BASIS FOR FINAL CERTIFICATION. THE CONTRACTOR SHALL THEREFORE SIGN AND RETURN A COPY OF THE FOLLOWING CERTIFICATION UPON COMPLETION OF THE WORK:

"I HEREBY CERTIFY THAT I HAVE INSTALLED, PROPERLY TESTED, AND SUCCESSFULLY PASSED THOSE TESTS, AND THE WATER SYSTEM(S) ARE BUILT IN ACCORDANCE WITH THE APPROVED DESIGN PLANS AND APPLICABLE PERMIT CONDITIONS."

CONTRACTOR NAME ______________________

AUTHORIZED AGENTS NAME ______________________

SIGNATURE ______________ DATE ______________

NOTE ANY DEVIATIONS FROM APPROVED PLANS HERE:

____
____
____
____

3 CONTRACTOR'S CERTIFICATION FOR POTABLE WATER SYSTEMS

2009 TRUDELL CONSULTING ENGINEERS LAST REVISED 11/06/09 WTR–064S

TESTING WATER MAINS

A. AFTER THE PIPE HAS BEEN LAID AND 7 DAYS AFTER THE CONCRETE THRUST BLOCKS AND ANCHORS HAVE BEEN PLACED, THE WATER MAIN SHALL BE HYDROSTATICALLY TESTED ACCORDING TO THE LATEST EDITION OF THE AWWA SPECIFICATION C–600.

B. CONTRACTOR SHALL SUPPLY ALL NECESSARY APPARATUS TO PERFORM THE HYDROSTATIC TEST.

C. TEST PRESSURE SHALL BE 200 POUNDS PER SQUARE INCH OR 1.5 TIMES THE WORKING PRESSURE MEASURED AT OR NEAR THE HIGH POINT IN THE SYSTEM, WHICHEVER IS GREATER. TEST SHALL BE A MINIMUM OF 2 HOURS IN DURATION. TESTING ALLOWANCE SHALL BE DEFINE AS THE QUANTITY OF MAKEUP WATER THAT MUST BE SUPPLIED INTO THE NEWLY LAID PIPE OR ANY VALVED SECTION THEREOF TO MAINTAIN PRESSURE WITHIN 5 PSI (34.5 kPa) OF THE SPECIFIED TEST PRESSURE AFTER THE PIPE HAS BEEN FILLED WITH WATER AND THE AIR HAS BEEN EXPELLED. TESTING ALLOWANCE SHALL NOT BE MEASURED BY A DROP IN PRESSURE IN A TEST SECTION OVER A PERIOD OF TIME.

D. THE PROJECT ENGINEER AND THE MUNICIPALITY SHALL BE CONTACTED 48 HOURS PRIOR TO TESTING.

E. ALL VALVES SHOULD BE VERIFIED AS BEING OPEN OR CLOSED AS APPROPRIATE FOR THE PORTION OF THE WATER MAIN BEING TESTED.

F. ALLOWABLE LEAKAGE SHALL BE COMPUTED BY THE FORMULA: $L=(S \times D \times \sqrt{P})/133{,}200$ WHERE L IS LEAKAGE IN GALLONS PER HOUR, S IS THE LENGTH OF PIPE TESTED IN FEET, D IS THE NOMINAL DIAMETER OF THE PIPE IN INCHES AND P IS THE AVERAGE TEST PRESSURE IN POUNDS PER SQUARE INCH DURING THE TEST.

G. REPLACE AND RETEST ANY WORK FOUND TO BE DEFECTIVE AT NO EXPENSE TO OWNER.

4 TESTING WATER MAINS

2007 TRUDELL CONSULTING ENGINEERS LAST REVISED 03/05/07 WTR–030S

A. PRIOR TO BEING PUT INTO SERVICE, WATER MAINS SHALL BE DISINFECTED ACCORDING TO THE LATEST EDITION OF AWWA SPECIFICATION C–651. THE TABLET METHOD IN AWWA STANDARD 651 IS NOT ACCEPTABLE.

B. THE NEW LINE SHALL BE FLUSHED AT A VELOCITY OF NOT LESS THAN 2.5 FEET PER SECOND (OPEN 2–1/2 INCH HYDRANT CONNECTION). FLUSH FOR A PERIOD DETERMINED BY THE ENGINEER FOR THE LENGTH OF MAIN TO BE DISINFECTED.

C. CHLORINATION SHALL BE ACCOMPLISHED BY INTRODUCING A HYPOCHLORITE SOLUTION WITH A CONCENTRATION OF GREATER THAN 25 PARTS PER MILLION OF FREE CHLORINE.

D. USING A NOZZLE AT EACH END HYDRANT, CONTROL THE RATE OF FLOW INTO THE NEW MAIN AND PROPORTIONALLY FEED THE HYPOCHLORITE SOLUTION INTO THE MAIN. AFTER THE CHLORINE HAS REACHED ALL POINTS IN THE SYSTEM, CLOSE THE VALVE SUPPLYING WATER FROM THE EXISTING MAIN AND THE END HYDRANTS. MAINTAIN THE HEAVILY CHLORINATED WATER IN THE MAIN FOR 24 HOURS DURING WHICH TIME ALL MAIN LINE VALVES SHOULD BE OPERATED. AFTER 24 HOURS THE MINIMUM CHLORINE RESIDUAL MUST BE AT LEAST 10 PARTS PER MILLION.

E. FLUSH HEAVILY CHLORINATED WATER FROM THE LINE AND REFILL THE LINE FOR SERVICE (USE CHLORINE DIFFUSER). TAKE AND SUBMIT TWO BACTERIOLOGICAL SAMPLES OF THE WATER TO THE STATE OF VERMONT OR A STATE APPROVED TESTING LABORATORY. IF THE RESULTS ARE UNSATISFACTORY, THE DISINFECTION PROCEDURE WILL BE REPEATED UNTIL SATISFACTORY RESULTS ARE OBTAINED.

F. FINISHED WATER STORAGE STRUCTURES SHALL BE DISINFECTED IN ACCORDANCE WITH CURRENT AWWA STANDARD C652. TWO OR MORE SUCCESSIVE SETS OF SAMPLES, TAKEN AT 24 HOUR INTERVALS, SHALL INDICATE MICROBIOLOGICALLY SATISFACTORY WATER BEFORE THE FACILITY IS PLACES INTO OPERATION.

G. DISPOSAL OF HEAVILY CHLORINATED WATER FROM THE TANK & PIPELINE DISINFECTION PROCESS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SECRETARY OF THE ANR.

H. THE DISINFECTION PROCEDURE (AWWA CHLORINATION METHOD 3, SECTION 4.3 C652) WHICH ALLOWS USE OF THE CHLORINATED WATER HELD IN THE STORAGE TANK FOR DISINFECTION PURPOSES REQUIRES SPECIAL CONSIDERATION. WHEN THAT PROCEDURE IS USED, IT IS REQUIRED THAT THE INITIAL HEAVILY CHLORINATED WATER BE PROPERLY DISPOSED IN ORDER TO PREVENT RELEASE OF WATER WHICH MAY CONTAIN VARIOUS CHLORINATED ORGANIC COMPOUNDS INTO THE DISTRIBUTION SYSTEM.

5 DISINFECTION OF WATER SYSTEM

2007 TRUDELL CONSULTING ENGINEERS LAST REVISED 12/10/08 WTR–029S

CONSTRUCTION NOTES:

1. CONTRACT DOCUMENTS: THESE PLANS WERE PREPARED BY TRUDELL CONSULTING ENGINEERS (TCE) AND ARE INTENDED TO BE USED IN CONJUNCTION WITH THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, #C–700 PREPARED BY THE ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE (EJCDC), LATEST EDITION. COPIES ARE AVAILABLE AT WWW.NSPE.ORG/EJCDC

2. UNDERGROUND IMPROVEMENTS: THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS SHOWN ARE ASSUMED BASED ON RESEARCH, UTILITY PLANS PROVIDED BY OTHERS, AND/OR SURFACE EVIDENCE AVAILABLE AND WERE OBTAINED IN A MANNER CONSISTENT WITH THE ORDINARY STANDARD OF PROFESSIONAL CARE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE DESIGN ENGINEER.

3. DIFFERING SUBSURFACE OR PHYSICAL CONDITIONS: IF CONTRACTOR BELIEVES THAT ANY SUBSURFACE OR PHYSICAL CONDITION AT OR CONTIGUOUS TO THE SITE THAT IS UNCOVERED OR REVEALED EITHER: (1) IS OF SUCH A NATURE AS TO ESTABLISH THAT ANY "TECHNICAL DATA" ON WHICH CONTRACTOR RELIED IS MATERIALLY INACCURATE; OR (2) IS OF SUCH A NATURE AS TO REQUIRE A CHANGE IN THE PLANS/ CONTRACT DOCUMENTS; OR (3) DIFFERS MATERIALLY FROM THAT SHOWN OR INDICATED IN THE PLANS/CONTRACT DOCUMENTS; OR (4) IS OF AN UNUSUAL NATURE, AND DIFFERS MATERIALLY FROM CONDITIONS ORDINARILY ENCOUNTERED AND GENERALLY RECOGNIZED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLANS/CONTRACT DOCUMENTS; THEN CONTRACTOR SHALL, PROMPTLY AFTER BECOMING AWARE THEREOF AND BEFORE FURTHER DISTURBING THE SUBSURFACE OR PHYSICAL CONDITIONS OR PERFORMING ANY WORK IN CONNECTION THEREWITH (EXCEPT IN AN EMERGENCY), NOTIFY OWNER AND ENGINEER ABOUT SUCH CONDITION. CONTRACTOR SHALL NOT FURTHER DISTURB SUCH CONDITION OR PERFORM ANY WORK IN CONNECTION THEREWITH (EXCEPT AS AFORESAID) UNTIL RECEIPT OF WRITTEN ORDER TO DO SO.

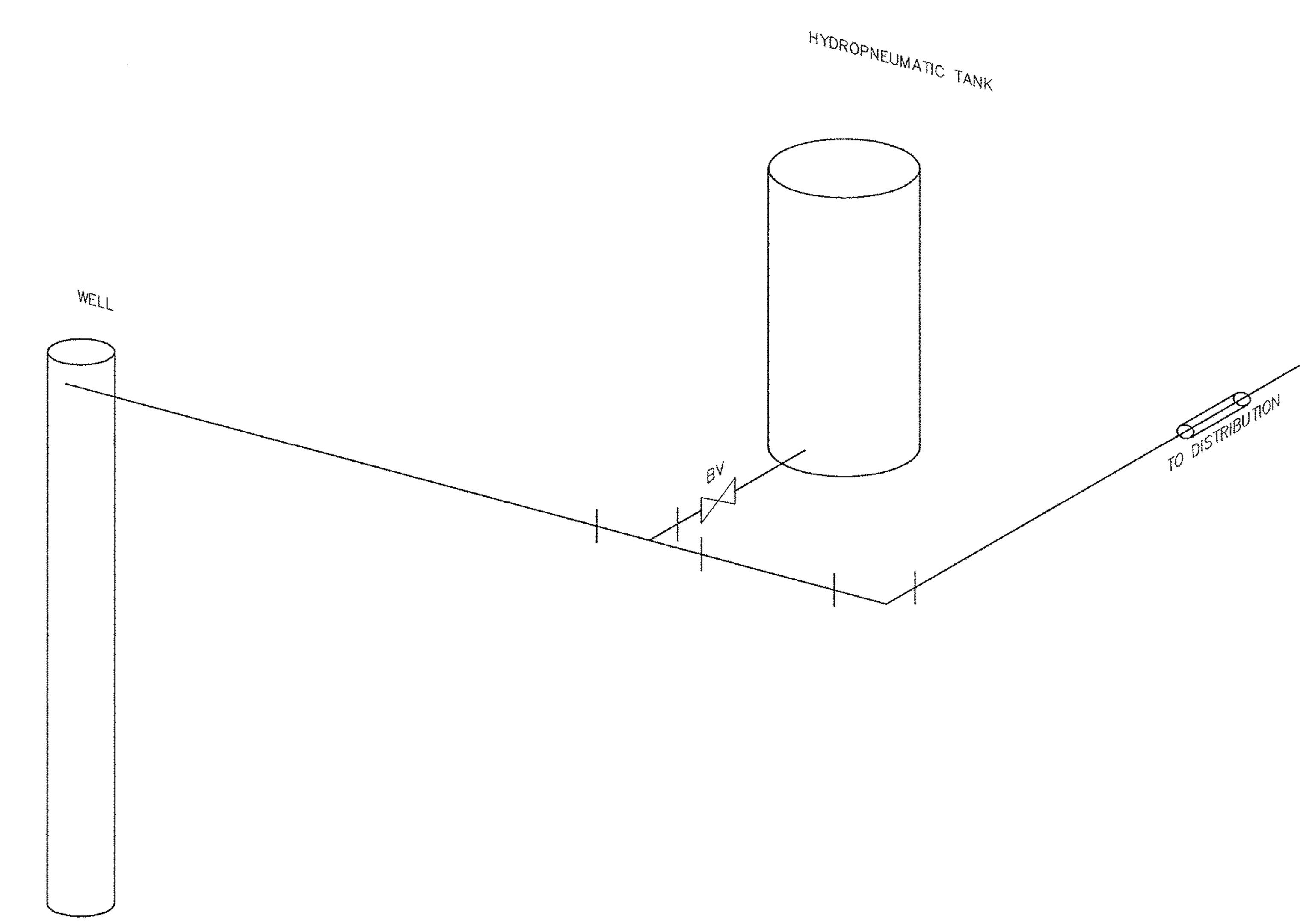
4. UTILITIES: PRIVATE AND PUBLIC UTILITIES SUCH AS ELECTRIC, TELEPHONE, GAS, CABLE, FIBER OPTIC ETC. ARE THE RESPONSIBILITY OF THE RESPECTIVE UTILITY COMPANY. ANY INFORMATION SHOWN BY TCE SHOULD BE CONSIDERED PRELIMINARY (USUALLY TO ASSIST WITH PERMITTING). FINAL DESIGN, CONSTRUCTION AND MAINTENANCE ARE THE RESPONSIBILITY OF RESPECTIVE UTILITY COMPANIES. COMPLIANCE WITH EASEMENTS AND REGULATIONS (STATE AND LOCAL) ARE THE RESPONSIBILITY OF RESPECTIVE UTILITY COMPANY.

5. DIGSAFE: IN ACCORDANCE WITH VERMONT STATE LAW (VSA TITLE 30 CHAPTER 86 AND PSB RULE 3,800) THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT DIGSAFE SYSTEMS, INC. "DIGSAFE" AT 1–888–344–7233 AT LEAST 48 HOURS , EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, BUT NOT MORE THAN 30 DAYS BEFORE COMMENCING EXCAVATION ACTIVITIES, EXCEPT IN AN EMERGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRE–MARKING THE SITE AND MAINTAINING DESIGNATED MARKINGS. FOR MORE INFORMATION ON DIGSAFE REQUIREMENTS SEE WWW.DIGSAFE.COM.

6. JOBSITE SAFETY: NEITHER THE PROFESSIONAL ACTIVITIES OF TRUDELL CONSULTING ENGINEERS (TCE), NOR THE PRESENCE OF TCE OR ITS EMPLOYEES AND SUB CONSULTANTS AT A CONSTRUCTION SITE, SHALL RELIVE THE GENERAL CONTRACTOR AND ANY OTHER ENTITY OF THEIR OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. TCE AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS. THE CLIENT AGREES THAT THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY, AND WARRANTS THAT THIS INTENT SHALL BE MADE EVIDENT IN THE CLIENT'S AGREEMENT WITH THE GENERAL CONTRACTOR. THE CLIENT ALSO AGREES THAT THE CLIENT, TCE AND TCE'S CONSULTANTS SHALL BE INDEMNIFIED AND SHALL BE MADE ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S GENERAL LIABILITY INSURANCE POLICY.

7. CODES AND STANDARDS COMPLIANCE: TCE SHALL EXERCISE USUAL AND CUSTOMARY PROFESSIONAL CARE IN ITS EFFORTS TO COMPLY WITH CODES, STANDARDS, REGULATIONS, AND ORDINANCES IN EFFECT. THE OWNER ACKNOWLEDGES THAT SUCH REQUIREMENTS MAY BE SUBJECT TO VARIOUS AND CONTRADICTORY INTERPRETATIONS. TCE, THEREFORE, WILL MAKE REASONABLE PROFESSIONAL EFFORTS AND JUDGMENT TO INTERPRET APPLICABLE REQUIREMENTS AS THEY APPLY TO THE PROJECT. TCE, HOWEVER, CANNOT AND DOES NOT WARRANT OR GUARANTEE THAT THE PROJECT WILL COMPLY WTH ALL INTERPRETATIONS OF SUCH REQUIREMENTS.

8. CONSTRUCTION OBSERVATION: TCE MAY VISIT THE PROJECT AT APPROPRIATE INTERVALS DURING CONSTRUCTION TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF THE CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE OWNER HAS NOT RETAINED TCE TO MAKE DETAILED INSPECTIONS OR TO PROVIDE EXHAUSTIVE OR CONTINUOUS PROJECT REVIEW AND OBSERVATION SERVICES. TCE DOES NOT GUARANTEE THE PERFORMANCE OF, AND SHALL NOT HAVE RESPONSIBILITY FOR, THE ACTS OR OMISSIONS OF ANY CONTRACTOR, SUB–CONTRACTOR, SUPPLIER OR ANY OTHER ENTITY FURNISHING MATERIALS OR PERFORMING ANY WORK ON THE PROJECT. TCE SHALL NOT SUPERVISE, DIRECT OR HAVE CONTROL OVER THE CONTRACTOR'S WORK NOR HAVE ANY RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF THE CONTRACTOR. IF THE OWNER DESIRES MORE EXTENSIVE PROJECT OBSERVATION OR FULL–TIME PROJECT REPRESENTATION, THE OWNER SHALL REQUEST SUCH SERVICES BE PROVIDED BY TCE AS ADDITIONAL SERVICES.



6 WATER WELL AND HYDROPNUEMATIC TANK SCHEMATIC

TRUDELL CONSULTING ENGINEERS (TCE)
478 Blair Park Road
Box 308 Williston, Vermont 05495 (802) 879-6331

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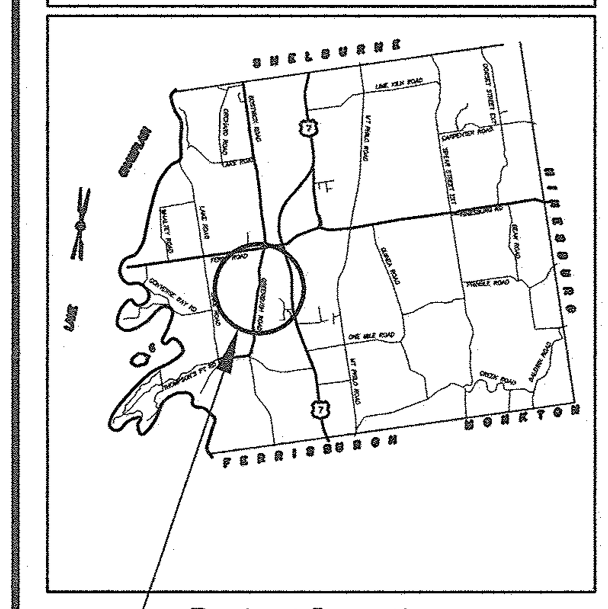
2. Only drawings specifically marked "For Construction" are intended to be used in conjunction with contract documents, specifications, owner/contractor agreements and to be fully coordinated with other disciplines, including but not limited to, the Architect, if applicable. These Drawings shall not be used for construction layout. Contact TCE for any construction surveying services or to obtain electronic data suitable for construction layout.

3. These Drawings are specific to the Project and are not transferable. As instruments of service, these drawings, and copies thereof, furnished by TCE are its exclusive property. Changes to the drawings may only be made by TCE. If errors or omissions are discovered, they shall be brought to the attention of TCE immediately.

4. By use of these drawings for construction of the Project, the Owner represents that they have reviewed, approved, and accepted the drawings and have met with all applicable parties/disciplines to insure these plans are properly coordinated with other aspects of the Project. The Owner and Architect, are responsible for any buildings shown, including an area measured five (5) feet around any building.

5. It is the User's responsibility to ensure this copy contains the most current revisions.



Project Location

No.	Description	Date	By

Revisions

STATE OF VERMONT
NATHAN T. HOWELLS
NO. 6054S CIVIL
LICENSED PROFESSIONAL ENGINEER

Project Title
GEORGE EWINS

2979 Greenbush Road
Charlotte, Vermont

Sheet Title
Details

Drawing Number : 2011058–71 Extension : 1
Project manager : NTH Drawn : NTH
Date : 4/4/12 Scale : SHOWN
Approved

C8.01