

Appeal Period Expires 5/31/16
 Zoning District AR

Town of Essex, Vermont
Application for Zoning Permit
 www.essex.org

Application Date 5/11/16
 Permit Number 2016-73

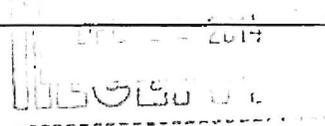
All construction is to be completed in accordance with the Town of Essex Zoning Regulations and any/all federal or state regulations now in effect. You are required to post this permit in a conspicuous location on the property during the appeal period and it must remain posted throughout the construction period. You are required to contact the necessary state agencies to obtain state permits @ 477-2241 (Jeff McMahon, Permit Specialist).

Any interested person may appeal the decision of the Zoning Administrator to the Zoning Board of Adjustment within fifteen (15) days of the permit's date of issuance. Commencing construction within this fifteen (15) day appeal period is prohibited by law.

Signed: [Signature]

A	Parcel Account Numb. (Map-Parcel-Lot) 2- <u>014-038-001</u> (found in Town Assessor's Office) Property Address: <u>LOT 1 OLD STAGE RD. 167</u> Owner: <u>DONALD + DIANE SIEGIEST</u> Owner Address: <u>1254 OLD STAGE RD. WESTFORD</u> Owner Phone: (work) _____ (home) <u>878-3016</u> (cell) <u>777-9165</u> (Email) <u>SIEGIEST@AOL.COM</u> Contractors name: <u>HERGENROTHER CONSTRUCTION</u> Phone: <u>316-0594</u> <u>97 BLAKELY RD STE 103 COLCHESTER</u> Cell: _____ Estimated Construction Dates: Start: <u>5/20/16</u> Completion: <u>8/20/16</u> Sq. Feet: <u>1591</u> Estimated Cost (labor & materials): <u>\$167,000</u>	G																								
B	Sewage Disposal (Please attach Sewer or Septic Application). <u>ON SITE</u> Public <input type="checkbox"/> Private <input checked="" type="checkbox"/> Connection Fee \$ _____ Date Paid: <u>1/1</u> Proposed New Bedrooms: <u>2</u> Existing Bedrooms <u>1</u> <u>SEE STATE PERMIT WW-4-3520-1</u>	Check box(es) which describe proposed use or construction (circle choice in parenthesis). N = New A = Addition R = Remodel Residential: <u>unfinished</u> <u>Basement</u> N A R Single Family <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Two-family (duplex)(other) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Multi-family <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Condominium / Townhouse <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Mobile home <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Inclusions or Additions: <u>2 CARPORT FINISH</u> Garage (attached) (detached) <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Porch (enclosed) (open) <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Deck <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Pool (in) (above) ground <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Shed <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Barn (residential) (agriculture) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Non-residential: Commercial / Industrial <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Stormwater: Stormwater <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Erosion Control <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other: Change in use <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Miscellaneous <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Renewal <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																								
C	Water (Please attach Water Service Application). <u>WELL</u> Public <input type="checkbox"/> Private <input checked="" type="checkbox"/> Fee \$ _____ Date Paid: <u>1/1</u> <u>SEE STATE PERMIT WW-4-3520-1</u>																									
D	Driveway (Please attach copy of approved Curbcut / Utility Application). Date of approval <u>3/13/15</u>																									
E	Stormwater <input type="checkbox"/> Project disturbs an area greater than or equal to 1 acre – Erosion Control Permit Required. Attach completed permit application. <input type="checkbox"/> Project creates new or expands existing impervious surface greater than or equal to 1/2 acre – Erosion Control Permit and Stormwater Management Permit required. Attach completed permit application.																									
F	Diagram – Show a sketch of project on reverse of this application with property lines, building, and setbacks or attach separate sheet.																									
G	<u>SEE ATTACHED (2 BED ROOM HOME)</u> <u>[Signature]</u> Signature of Tenant and Signature of Owner <u>Donald Siegiest</u>	Office Use Only <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Fees:</th> <th>Type</th> <th>Amount</th> <th>Date Pd</th> </tr> </thead> <tbody> <tr> <td>Permit</td> <td></td> <td><u>\$167.50</u></td> <td><u>5/13/16</u></td> </tr> <tr> <td>Recreation</td> <td></td> <td><u>\$628.00</u></td> <td><u>5/13/16</u></td> </tr> <tr> <td>Recording</td> <td></td> <td><u>\$20</u></td> <td><u>5/13/16</u></td> </tr> <tr> <td>Certificate of Occ</td> <td></td> <td><u>\$75</u></td> <td><u>5/13/16</u></td> </tr> <tr> <td>Other</td> <td></td> <td>\$ _____</td> <td>_____/_____/_____</td> </tr> </tbody> </table> Building Permit Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/> Date <u>5/11/16</u> Issued to: <u>D + D Siegiest</u> Zoning Administrator: <u>[Signature]</u> Notes: <u>[Signature]</u> C.O. Required Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Fees:	Type	Amount	Date Pd	Permit		<u>\$167.50</u>	<u>5/13/16</u>	Recreation		<u>\$628.00</u>	<u>5/13/16</u>	Recording		<u>\$20</u>	<u>5/13/16</u>	Certificate of Occ		<u>\$75</u>	<u>5/13/16</u>	Other		\$ _____	_____/_____/_____
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THIS PERMIT VALID FOR TWELVE (12) MONTHS FROM DATE OF ISSUE

**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: Donald Siegriest
 1254 Old Stage Road
 Westford VT 05494

Permit Number: WW-4-3520-1

2-014-038-001

2-014-036-007

This permit affects property identified as Town Tax Parcel ID # Essex; ~~2-014-038-000, 2-014-036-000~~ referenced in the deed recorded in Books 561, 908 Pages 237, 395 of the Land Records in Essex, Vermont.

boundary line adjustment

This project, consisting of a two lot, single family residence subdivision, Lot 1 (+- 1.41 acres) for a proposed two bedroom single family residence and Lot 2 (+- 3.00 acres), for a proposed three bedroom single family residence utilizing individual, on-site drilled well water supplies and a shared wastewater disposal system (located on Lot 1), located off Colonel Page and Old Stage roads in the Town of Essex, 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 Ruggiano Engineering, Inc., (Samuel H. Ruggiano), with the stamped plans listed as follows:

Sheet No.	Title	Plan Date	Plan Revision Date
C-1	Existing Site Plan	02/20/14	09/12/14
C-2	Proposed Site Plan & Details	02/20/14	12/01/14
C-3	Wastewater System Details	02/20/14	09/12/14

- 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 the Act 250 District Environmental Commission; the Drinking Water and Groundwater Protection Division; the Watershed Management Division; the Division of Fire Safety; the Vermont Department of Health; the Family Services Division; 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 Town of Essex 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 Town of Essex 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 Each purchaser of each lot shall be shown copies of the Wastewater System And Potable Water Supply Permit, the stamped plans, and **Innovative/Alternative System Approval letter #2001-01-R7 (2014 Renewal, expires 10/7/2015) for the Advantex™ Treatment System AX20-RT** 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.
- 1.7 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.
- 1.8 Each lot is approved for wastewater disposal by construction and utilization of the site-specific **Innovative/Alternative System** wastewater disposal system depicted on the stamped plans. The Drinking Water and Groundwater Protection Division shall allow no other method or location of wastewater disposal without prior review and approval.
- 1.9 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.
- 1.10 A qualified Vermont Licensed Designer, shall, upon completion and prior to placing the system in use, report in writing to the Division that the installation was accomplished in accordance with the **Innovative/Alternative System Approval Letter**, stamped plans and permit conditions. The Drinking Water and Groundwater Protection Division is to be notified if at any time the wastewater disposal system fails to function properly and/or creates a health hazard.
- 1.11 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.
- 1.12 The wastewater system serving the approved lot(s) 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.
- 1.13 Lot 1 is approved for the construction of one, two 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.
- 1.14 Lot 2 is approved for the construction of one, three 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.
- 1.15 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.
- 1.16 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.

2. WATER SUPPLY

- 2.1 Lot 1 approved for a potable water supply using a drilled or percussion bedrock well for a maximum of **280 gallons** of water per day provided the supply is located as shown on the stamped plan(s) and meets or exceeds the isolation distances, construction standards, and water quality standards required in the Water Supply Rule.

- 2.2 Lot 2 approved for a potable water supply using a drilled or percussion bedrock well for a maximum of **420 gallons** of water per day provided the supply is located as shown on the stamped plan(s) and meets or exceeds the isolation distances, construction standards, and water quality standards required in the Water Supply Rule.
- 2.3 The landowners shall operate the potable water supplies in a manner that keeps the supply free from contamination. The landowner shall immediately notify the Division if the water supply system fails to function properly and becomes a "failed supply".
- 2.4 The components of the potable water supplies 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.
- 2.5 The water source locations as shown on the stamped plan(s) shall be accurately staked out and flagged prior to any construction on this project with the flagging being maintained until construction is complete.

3. WASTEWATER DISPOSAL

- 3.1 Lot 1 is approved for the disposal of wastewater in accordance with the design depicted on the stamped plan(s) for a maximum of **280 gallons** of wastewater per day.
- 3.2 Lot 2 is approved for the disposal of wastewater in accordance with the design depicted on the stamped plan(s) for a maximum of **420 gallons** of wastewater per day.
- 3.3 The shared 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. The landowner shall immediately notify the Division if the wastewater system fails to function properly and becomes a "failed system". 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.
- 3.4 The components of the shared wastewater system herein approved shall be routinely and reliably inspected during construction by a qualified Vermont Licensed Designer (or when 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.
- 3.5 Each lot is approved for the shared mound wastewater disposal system 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.
- 3.6 The corners of the proposed primary wastewater area(s) shall be accurately staked out and flagged prior to construction with the flagging/staking being maintained until construction is complete.
- 3.7 The shared wastewater disposal system for the lots is designed using the performance base approach. The use of the performance-based wastewater 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:
 - a. be performed in April or May;
 - b. submit a written report by June 15th of each year to the landowner and the Drinking Water and Groundwater Protection Division; and

- c. consist of a field inspection of the wastewater system and the area within 25' of the system in all directions noting any indication of failure.
- 3.8 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.
- 3.9 No buildings, roads, water lines, earthwork, re-grading, excavation or other construction that might interfere with the installation or operation of the wastewater 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.
- 3.10 A Homeowners' or Landowners' Association or equivalent legal entity shall be established, and registered with the Secretary of State, whose articles of association shall contain all necessary rights and easements for the full operation, maintenance, and repair of the shared wastewater collection, delivery, and disposal system, including pretreatment units. Such rights shall also enable the users (and designees) thereof to enter upon the property for any construction, inspection, maintenance, and other such reasonable purposes as may arise regarding the shared wastewater disposal system.

David K. Mears, Commissioner
Department of Environmental Conservation

Dated December 8, 2014

By 
William E. Zabiloski, Assistant Regional Engineer
Essex Regional Office
Drinking Water and Groundwater Protection Division

Enclosures:

cc Essex Planning Commission
Ruggiano Engineering, Inc.
Drinking Water and Groundwater Protection Division – Mary Clatk
Innovative/Alternative Manufacturer - Advantex

Community Development
Sherrin

TOWN OF ESSEX, VERMONT APPLICATION FOR CURB CUT / UTILITY PERMIT

Pursuant to Title 19 V.S.A. Section 43. Application for curb cut and Utility Installation in Town Right-of-Way

All applications for curb cuts and utility installations shall be submitted to the Director of Public Works / Town Engineer for review. Applicants shall submit the information requested on this form and any additional information requested by the Director of Public Works / Town Engineer for a clear understanding of this application. The permit is issued under authority of the Town Manager in accordance with Section 601 of the Town Charter and 24 V.S.A. paragraph 1236 (2).

Application No. _____ / 3/3/15
Date

Property Address: 167 Old Stage Road

Owner Address: 1254 Old Stage Road

Owner Name: Donald & Diane Siegriest

Phone Number: (home) 802-878-3016 (work) _____ (cell) _____

Tax Map # 14 Tax Parcel 036 Tax Lot 007

Application is for: (check one)

A) New Curb Cut B) Utility Installation: Overhead Underground

Please use attached diagram to describe location and type of installation.

Comments be Director of Public Works / Town Engineer:

Culvert : Yes No Water Bar(s) : Yes No

Culvert Diameter: (18 inch minimum) 18" Total length of Culvert: (30 foot minimum) 30'

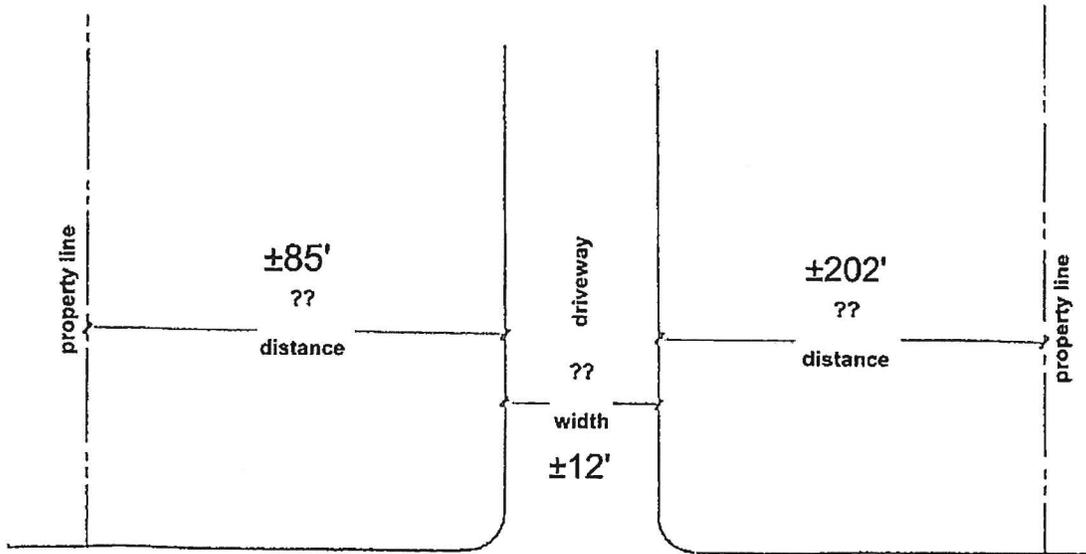
*** FOR OFFICE USE ONLY ***

Signature of Owner:
Donald Siegriest
Diane S. Siegriest

Fee Paid \$ NA
Approved Rejected
[Signature] see attached conditions

Per Authority of the Town Manager by the
Director of Public Works / Town Engineer

1. Culvert must be HIGH DENSITY POLYETHYLENE (HDPE) PIPE
2. Culvert will be purchased by the Applicant
Culvert will be purchased and installed by the applicant. The Town of Essex Department of Public Works will inspect.
3. Note: A MINIMUM OF 24 HOURS NOTICE IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION. WITHIN 24 HOURS OF COMPLETION, THE APPLICANT IS REQUIRED TO NOTIFY THE DIRECTOR OF PUBLIC WORKS / TOWN ENGINEER FOR INSPECTION PURPOSES.



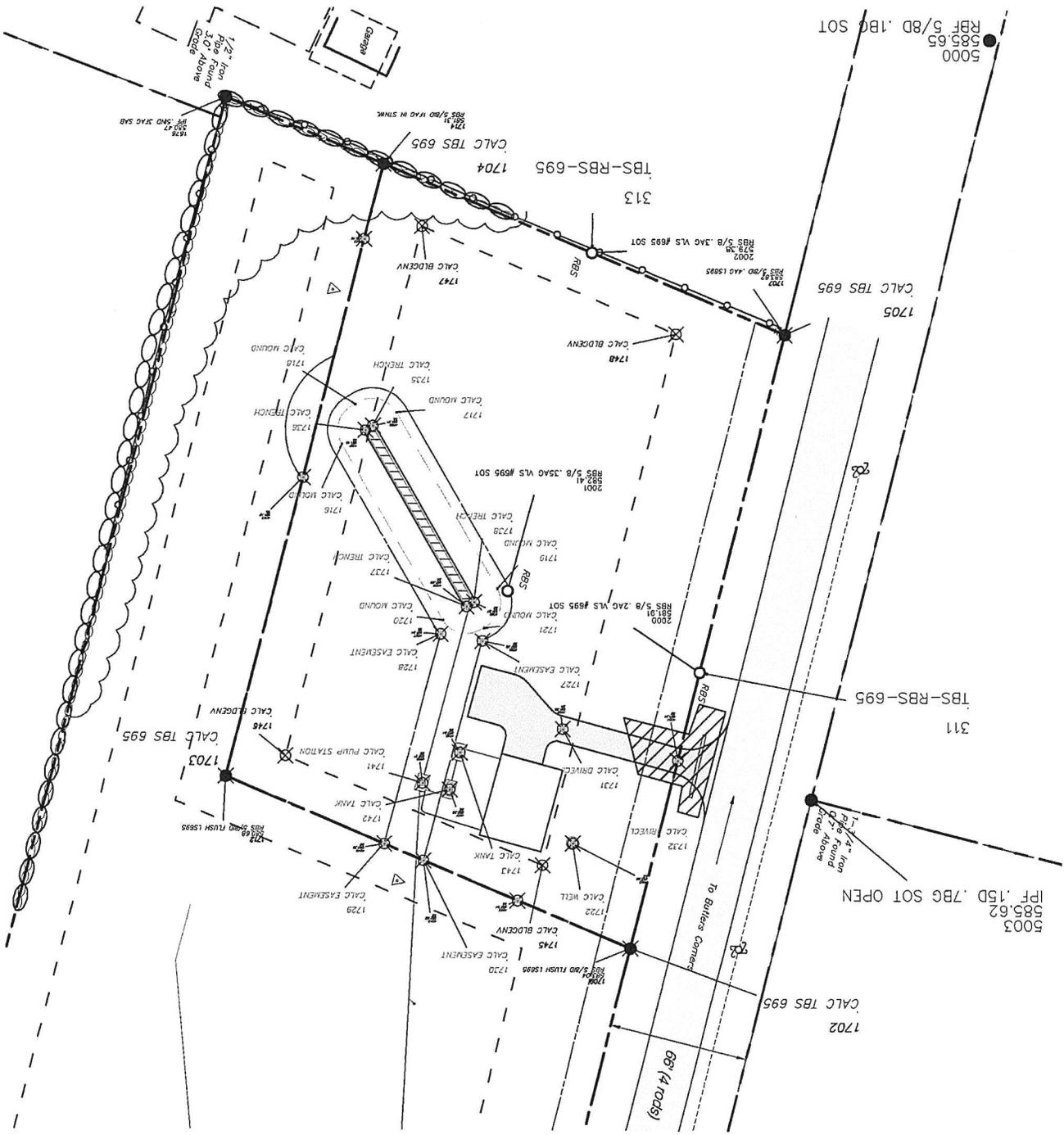
167 Old Stage Road

STREET NAME

Comments and / or special instructions from Director of Public Works / Town Engineer :

- (1). culvert to be installed as per approved plans.
- (2). owner or owner's representative shall meet with Public Works Town Engineer prior to setting grade for culvert.
- (3). The first 50' of the driveway shall be paved.
- (4). Stone-lined portion of swale shall extend to limit of town right of way or 30' from end of culvert, whichever distance is greater.
- (5). owner or owner's representative shall schedule inspection of driveway, culvert & swale relocation prior to request for occupancy permit.
- (6). slope of driveway shall not be greater than ~~3%~~ 3% from ~~per~~ edge of paved road for first 50'.

NOTE: A MINIMUM OF 24 HOURS IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION. WITHIN 24 HOURS OF COMPLETION, THE APPLICANT IS REQUIRED TO NOTIFY THE DIRECTOR OF PUBLIC WORKS / TOWN ENGINEER FOR INSPECTION PURPOSES.



5000
RBF 5/8D .180 SOT

1705
CALC TBS 695

311
TBS-RBS-695

5003
5004
5005
PF .15D .78G SOT OPEN

1702
CALC TBS 695

66' (4 roads)

To Builders Corner

1/2" Iron
Pipe Found
3.0' Above
Grade

1/2" Iron
Pipe Found
3.0' Above
Grade

1711
RBS 5/8D F/AO IN STNK

1704
CALC TBS 695
TBS-RBS-695
313

1702
RBS 5/8D .180 SOT

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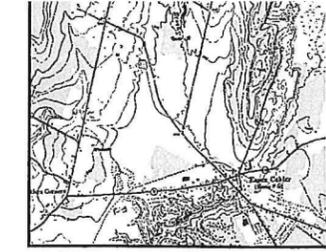
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CALC MOUND

TOWN
COPY





↑ NORTH
SITE LOCATION MAP
NOT TO SCALE

LIST OF DRAWINGS

- C-1 EXISTING SITE PLAN
- C-2 PROPOSED SITE PLAN & DE
- C-3 WASTEWATER SYSTEM DET

LEGEND

	NOW OR FORMERLY OWNED BY
	TEMPORARY BENCHMARK
	EXISTING CONCRETE MONUMENT
	IRON PIPE / REBAR FOUND
	REBAR TO BE SET
	CALCULATED POINT
	EXISTING UTILITY POLE & GUY WIRE
	TEST PIT LOCATION
	PERC TEST LOCATION
	HAND AUGER LOCATION
	EXISTING DRILLED WELL
	PROPOSED DRILLED WELL
	EXISTING TREES
	PROPOSED BOULDER
	PROPOSED STONE RIP-RAP
	EXISTING CLASS III WETLAND LINE
	EXISTING PROPERTY LINE
	PROPOSED PROPERTY LINE
	EXISTING RIGHT OF WAY / EASEMENT
	PROPOSED RIGHT OF WAY / EASEMENT
	BUILDING SETBACK
	EXISTING SWALE CENTERLINE
	EXISTING ELECTRIC FENCE
	DRILLED WELL ISOLATION SHIELD
	WASTEWATER SYSTEM ISOLATION
	EXISTING OVERHEAD WIRES
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED WATER LINE
	PROPOSED GRAVITY SEWER LINE
	PROPOSED PRESSURE SEWER LINE
	PROPOSED UNDERGROUND POWER / TELECOMMUNICATIONS

APPLICANT / OWNER:

DONALD & DIANE SIEGRIEST IRREVOCABLE TRUST 1251 OLD STAGE ROAD WESTFORD, VT 05494	SIEGRIEST, LLC 1251 OLD STAGE ROAD WESTFORD, VT 05494
--	---

ZONING NOTES:

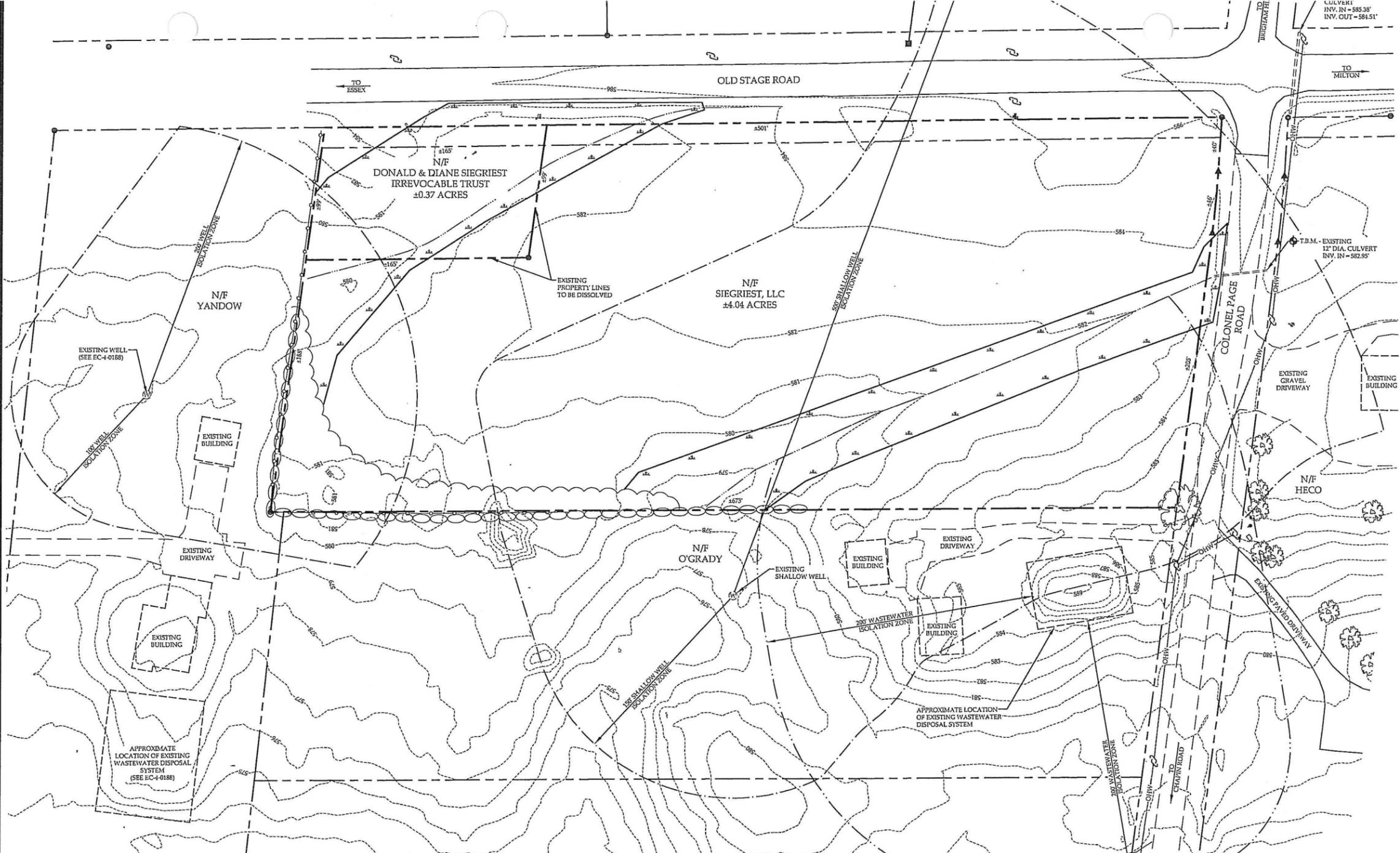
ZONING DISTRICT: (AR) AGRICULTURAL - RESIDENTIAL

PERMITTED USE: SINGLE FAMILY DWELLING

CURRENT ACREAGE:
LOT 1 - 4.04 ACRES
LOT 2 - 0.37 ACRES

MINIMUM LOT REQUIREMENTS:
LOT ACREAGE - 3 ACRES
LOT FRONTAGE - 200 FT.

SETBACKS:
FRONT - 50 FT.
SIDE - 20 FT.
REAR - 25 FT.

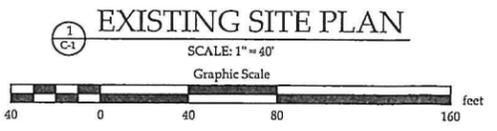


PLAN REFERENCES:

- 1) "PERMETER BOUNDARY PLAT, BRAD & DENISE MORSE, VOLUME 365, PAGE 237, COLONEL PAGE ROAD & OLD STAGE ROAD, TOWN OF ESSEX, VERMONT", DATED: JAN. 2010, SCALE: 1" = 200 FEET, JOB NO.: ESS0053, PLAN SHEET NO.: 1 OF 1, PREPARED BY BUTTON PROFESSIONAL LAND SURVEYORS OF SO. BURLINGTON, VT.
- 2) "BOUNDARY LINE ADJUSTMENT PLAT BETWEEN LANDS OF DONALD & DIANE SIEGRIEST IRREVOCABLE TRUST, VOLUME 561, PAGE 257 AND SIEGRIEST, LLC, VOLUME 906, PAGE 395, TOWN OF ESSEX, VERMONT, COLONEL PAGE ROAD & OLD STAGE ROAD", DATED: 3/21/2014, LAST REVISED: 6/23/2014, SCALE: 1" = 50', JOB#: ESSEX0066, PLAN SHEET #: 1 OF 1, PREPARED BY BUTTON PROFESSIONAL LAND SURVEYORS OF SO. BURLINGTON, VT.
- 3) TOPOGRAPHIC SURVEY PERFORMED BY BUTTON PROFESSIONAL LAND SURVEYORS OF SO. BURLINGTON, VT AND RECEIVED ELECTRONICALLY ON 1-13-2010.
- 4) "DESIGN OF MOUND SYSTEM FOR DAVID YANDOW, ESSEX, VT", DATED: 6/9/76, SCALE: 1"=100', PERMIT #: EC-4-0188, PREPARED BY CARL B. LEEDY, P.E.
- 5) "DESIGN OF MOUND SYSTEM FOR DAVID YANDOW, ESSEX, VT", DATED: 7/20/76, SCALE: 1"=100', PERMIT #: EC-4-0188, PREPARED BY CARL B. LEEDY, P.E.
- 6) "SITE PLAN" DATED: 06/04/10, REVISED: 11/24/10, SCALE: 1"=40', PERMIT#: WW-4-3520, PROJECT NO. 09015.1, PREPARED BY RUGGIANO ENGINEERING OF ST. ALBANS, VT.

NOTES:

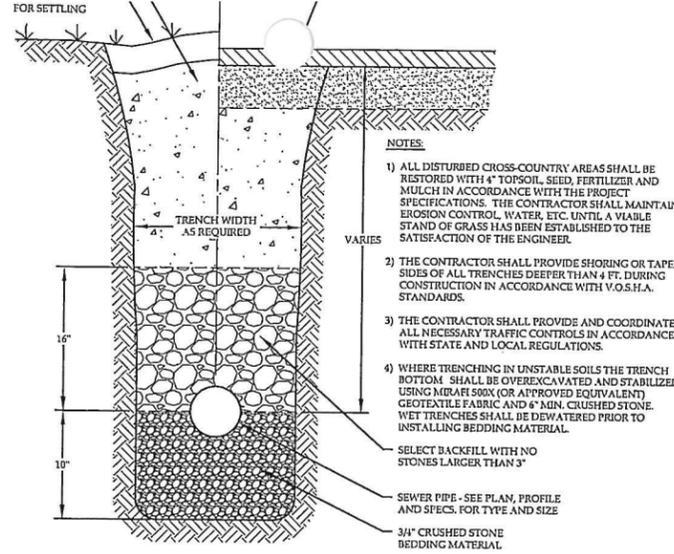
- 1) THIS DRAWING IS NOT BASED ON A BOUNDARY SURVEY PLAT. BOUNDARY LINE INFORMATION SHOWN IS BASED ON PLAN REFERENCE #1 & #2. THE PROPERTY LINES, EASEMENTS AND OTHER REAL PROPERTY DESCRIPTIONS PROVIDED ON THIS DRAWING ARE FOR ILLUSTRATION PURPOSES ONLY. THEY DO NOT DEFINE LEGAL RIGHTS OR MEET LEGAL REQUIREMENTS FOR A LAND SURVEY AS DESCRIBED IN V.S.A. TITLE 27 SECTION 1403 AND SHALL NOT BE USED IN LIEU OF A SURVEY AS THE BASIS OF ANY LAND TRANSFER OR ESTABLISHMENT OF ANY PROPERTY RIGHT.
- 2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES OR UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION. APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK.
- 3) THIS TOPOGRAPHIC SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF "DIG SAFE" MARKINGS. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE NOT WARRANTED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT "DIG SAFE" BEFORE COMMENCING ANY WORK AND SHALL PRESERVE ALL EXISTING UTILITIES NOT SPECIFIED TO BE REMOVED OR ABANDONED AS PART OF THE PROJECT.



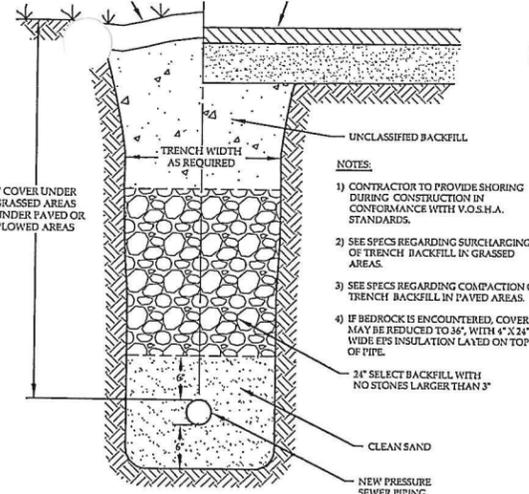
REVISION: 02/05/15 - REVISED LEGEND
 REVISION: 09/12/14 - ADDED WETLAND DELINEATION, REMOVED SHEET C-4
 REVISION: 02/11/14 - REVISED PROPERTY LINES PER BOUNDARY LINE ADJUSTMENT APPROVAL

EXISTING SITE PLAN
 DONALD & DIANE SIEGRIEST
 COLONEL PAGE ROAD
 ESSEX, VERMONT

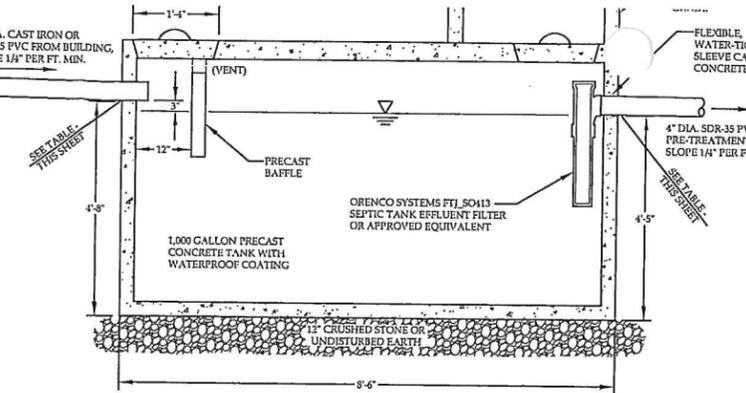
 5 LAKE STREET ST. ALBANS, VERMONT 05478 PHONE - (802) 524-9300 FAX - (802) 524-9700 COPYRIGHT ©2014 - RUGGIANO ENGINEERING, INC.	PROJECT NO.14001	SHEET N
	DRAWN BY:JGE,NRL	
	CHECKED BY:ATH	
	SCALE:1" = 40'	
DATE:02/20/14	1 OF 3 SF	



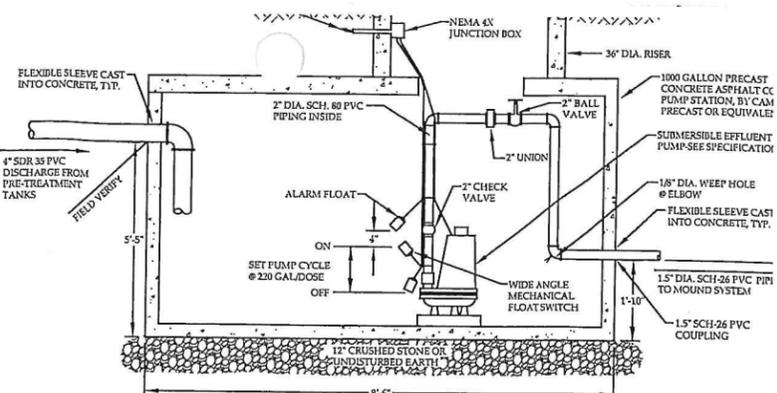
1 C-3 TYPICAL SANITARY SEWER TRENCH NOT TO SCALE



2 C-3 PRESSURE SEWER TRENCH NOT TO SCALE



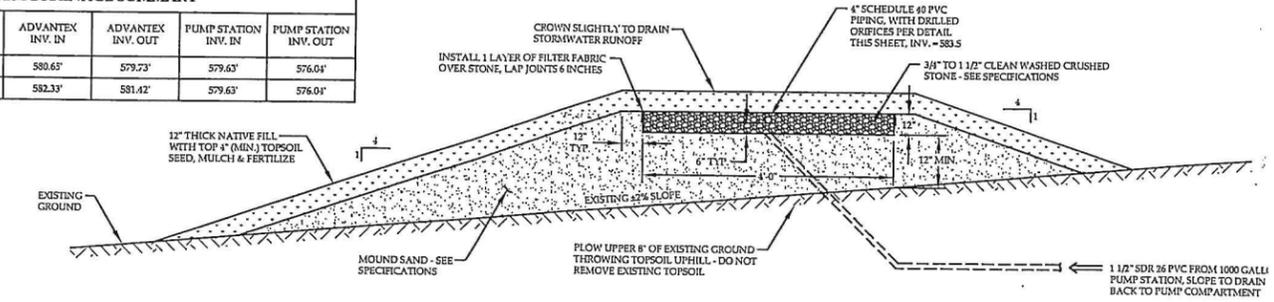
3 C-3 1,000 GALLON SEPTIC TANK NOT TO SCALE



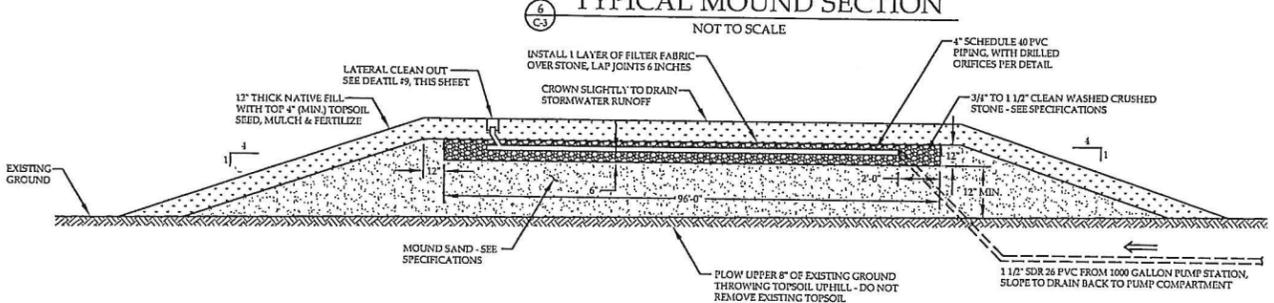
4 C-3 1,000 GALLON PUMP STATION NOT TO SCALE

WASTEWATER SYSTEM DRAINAGE SUMMARY

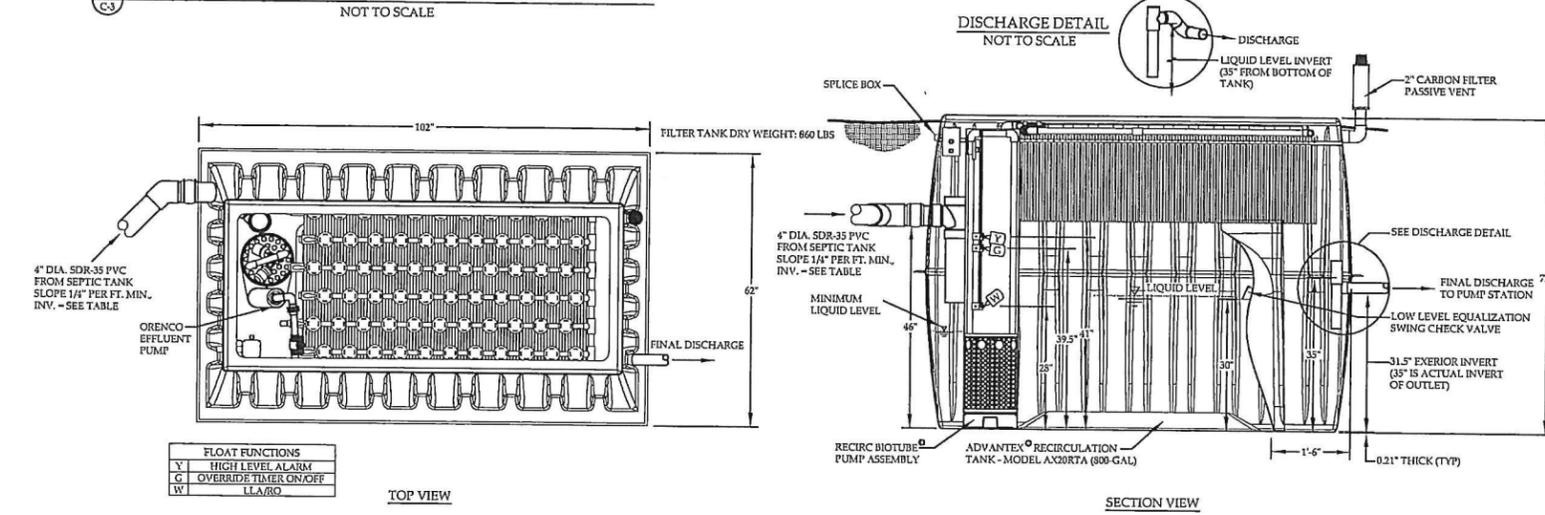
LOT #	HOUSE INV. OUT	SEPTIC TANK INV. IN	SEPTIC TANK INV. OUT	ADVANTEK INV. IN	ADVANTEK INV. OUT	PUMP STATION INV. IN	PUMP STATION INV. OUT
1	581.50'	581.00'	580.75'	580.65'	579.73'	579.63'	576.04'
2	583.50'	583.00'	582.75'	582.33'	581.42'	579.63'	576.04'



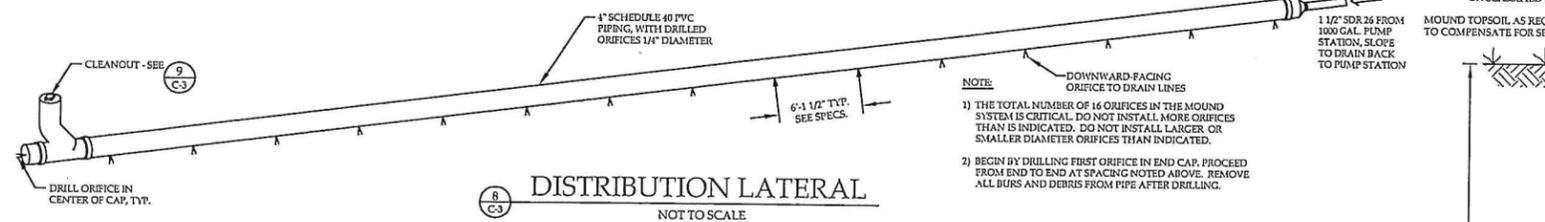
5 C-3 TYPICAL MOUND SECTION NOT TO SCALE



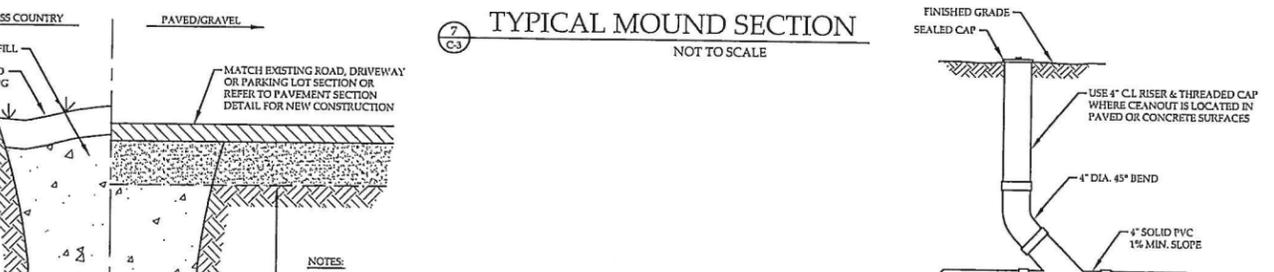
6 C-3 TYPICAL MOUND SECTION NOT TO SCALE



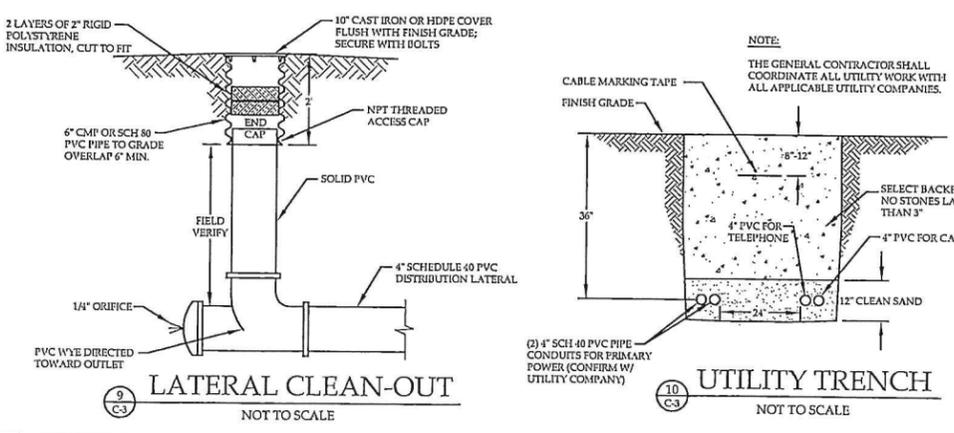
7 C-3 ADVANTEK - AX20RTA - GRAVITY DISCHARGE, PRE-TREATMENT SYSTEM NOT TO SCALE



8 C-3 DISTRIBUTION LATERAL NOT TO SCALE



9 C-3 SEWER CLEANOUT NOT TO SCALE



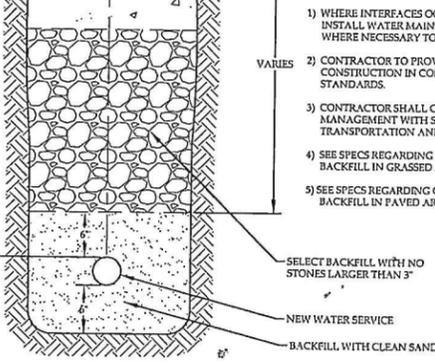
10 C-3 LATERAL CLEAN-OUT NOT TO SCALE

11 C-3 UTILITY TRENCH NOT TO SCALE

ALLOWABLE MOUND SAND SIEVE ANALYSES

MOUND SAND SHALL MEET ONE OF THE FOLLOWING SIEVE ANALYSES. INTERPOLATION OF ANALYSES IS NOT PERMITTED. REFER TO E.P.R. SECTION 1-517 (C). SUBMIT RESULTS OF SIEVE ANALYSIS TO ENGINEER PRIOR TO CONSTRUCTION.

SIEVE NUMBER	OPENING (MM)	PERCENT PASSING BY WEIGHT
38	9.500	85 - 100
40	0.420	25 - 75
60	0.250	0 - 30
100	0.150	0 - 10
200	0.075	0 - 5
4	4.750	95 - 100
8	2.360	80 - 100
16	1.180	50 - 85
30	0.590	25 - 60
50	0.297	10 - 30
100	0.149	2 - 10
38	9.500	85 - 100
40	0.420	30 - 50
200	0.075	0 - 5



11 C-3 TYPICAL WATER LINE TRENCH NOT TO SCALE

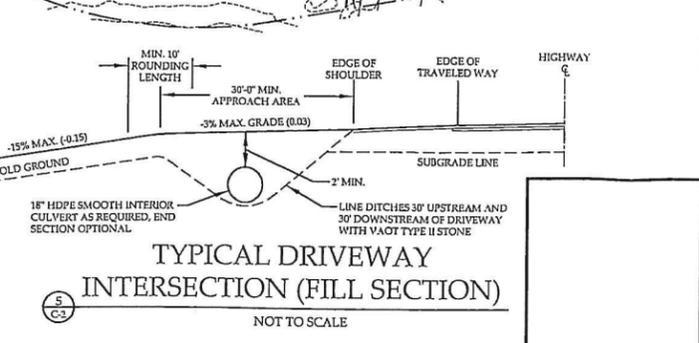
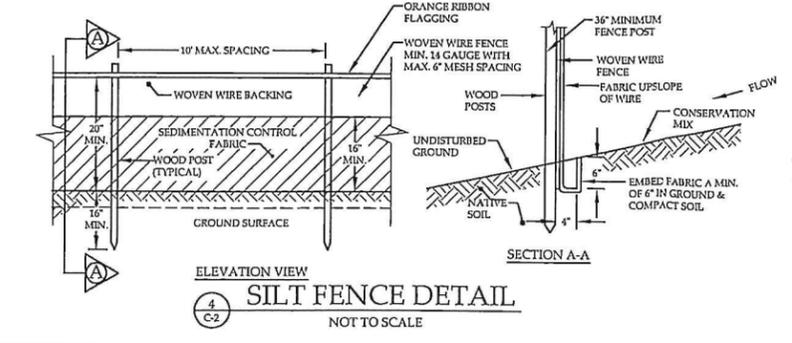
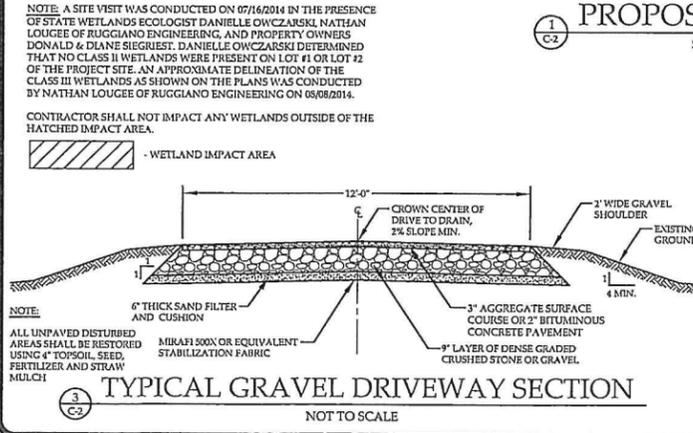
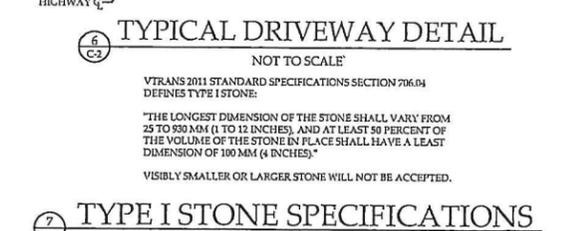
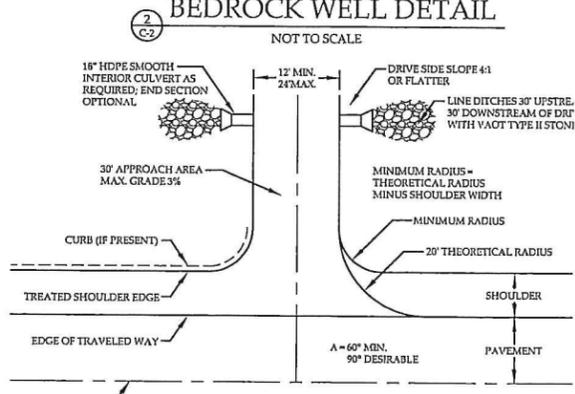
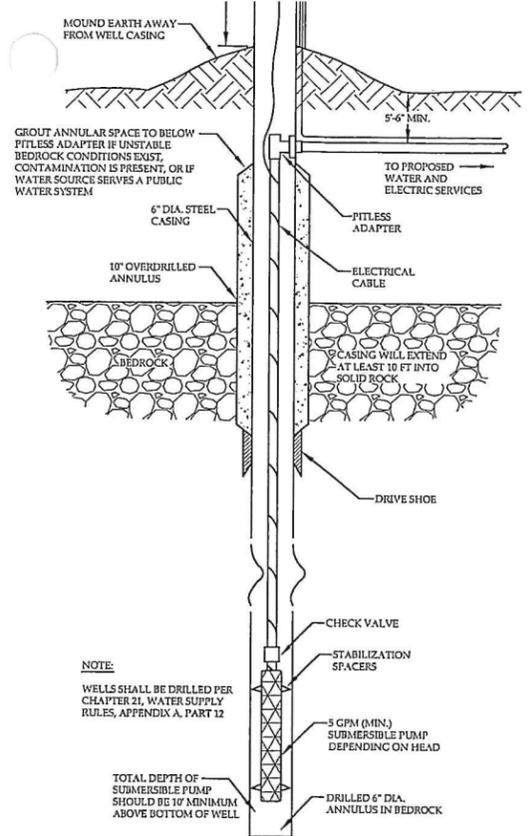
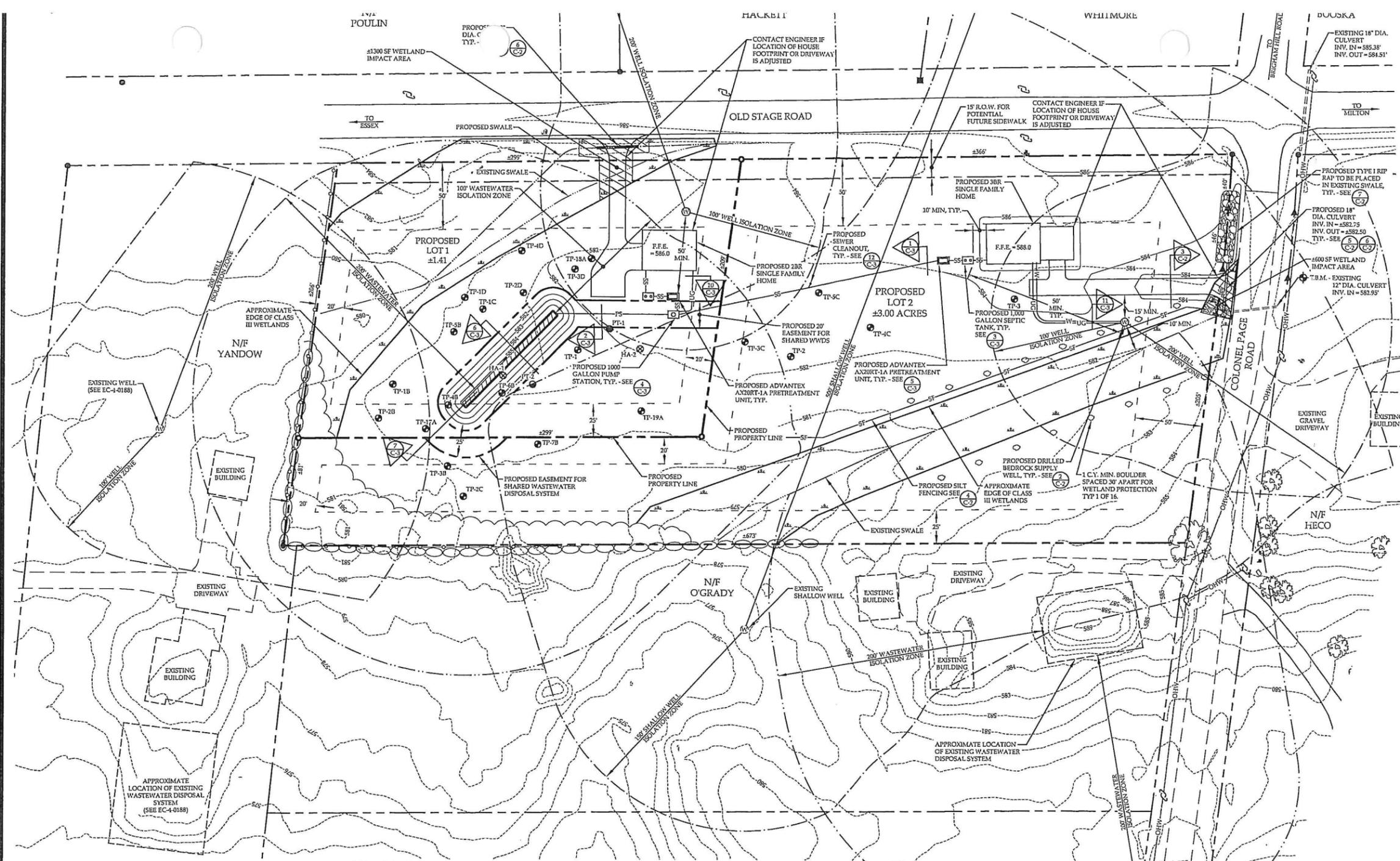
REVISION: 09/12/14 - MOVED DETAILS TO ELIMINATE SHEET C-4
REVISION: 08/11/14 - REVISED DETAIL INVERTS

WASTEWATER SYSTEM DETAILS
DONALD & DIANE SIEGRIEST
COLONEL PAGE ROAD
ESSEX, VERMONT

RUGGIANO engineering, inc.
5 LAKE STREET
ST. ALBANS, VERMONT 05478
PHONE - (802) 524-9300 FAX - (802) 524-9700
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PROJECT NO.14001
DRAWN BYJGE,NRL
CHECKED BYATH
SCALE1" = 40'
DATE02/07/14

SHEET NO. **C-3**
3 OF 3 SF



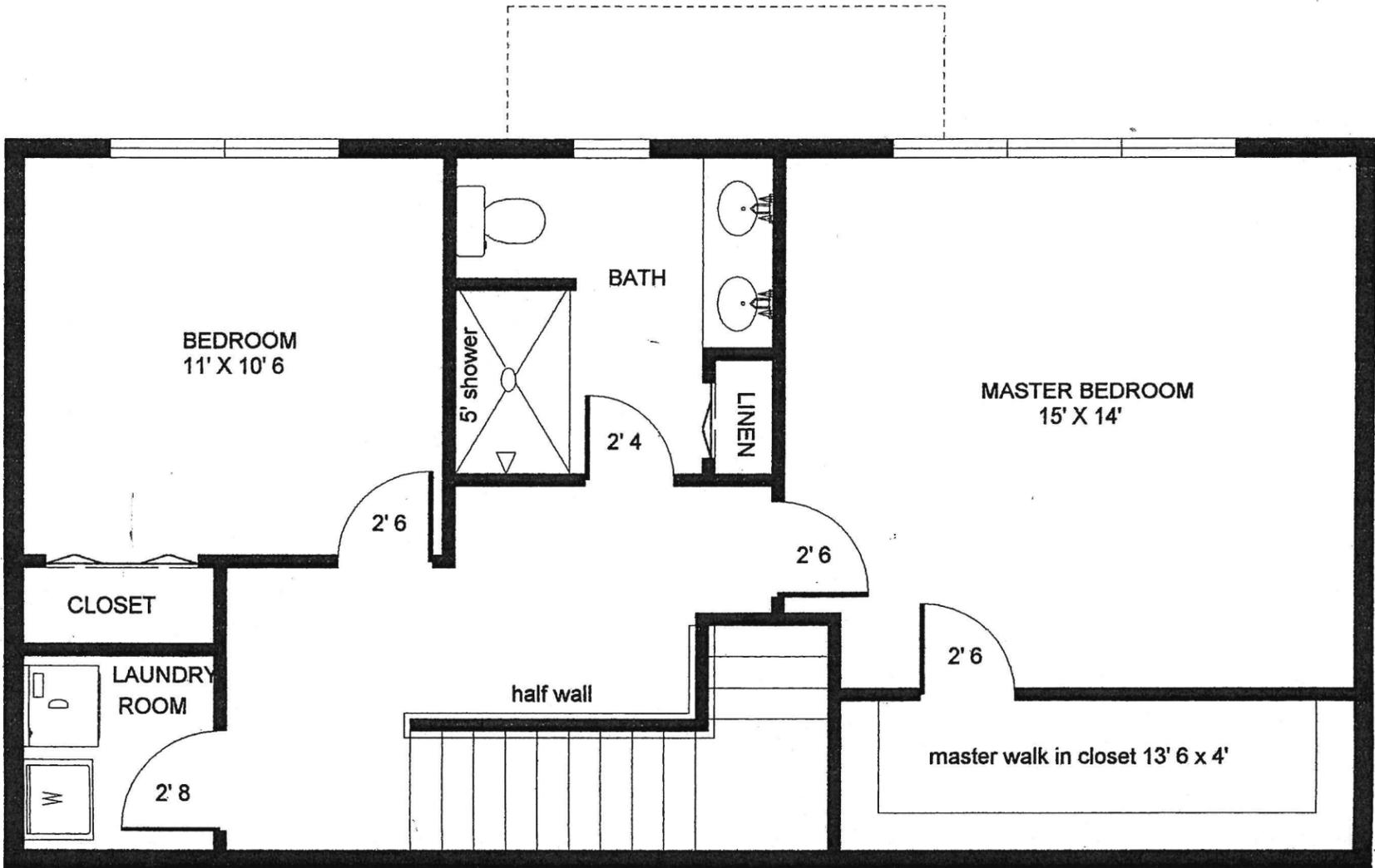
REVISION: 02/25/15 - ADDED DRIVEWAY GRADING, SILT FENCING, BOULDERS, AND RIP-RAP
 REVISION: 01/06/15 - ADDED WETLAND IMPACT AREA
 REVISION: 12/01/14 - ADDED LABEL FOR PROPOSED PRE-TREATMENT UNIT FOR LOT #1
 REVISION: 09/12/14 - MOVED DETAILS TO ELIMINATE SHEET C-4, ADDED WETLAND DELINEATION, ADJUSTED TANK LOCATIONS ON

PROPOSED SITE PLAN
DONALD & DIANE SIEGRIEST
COLONEL PAGE ROAD
ESSEX, VERMONT

RUGGIANO engineering, inc.
5 LAKE STREET
ST. ALBANS, VERMONT 05478
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PROJECT NO. 14001
DRAWN BY: JGE, N.R.L.
CHECKED BY: A.T.H.
SCALE: 1" = 40'
DATE: 02/20/14

SHEET NO. C-1
2 OF 3 SF



SECOND FLOOR
696 SQ FT
TOTAL TWO FLOORS
1591 SQ FT
PLAN # COLC3
SCALE 1/4" = 1'

