

Date: 09.03.2021 Application #: 083-21
Fees Paid: 162.50 + \$15 recording fee = 177.50
Parcel ID #: 680-1002
Tax Map #: 10-020.300

TOWN OF WATERBURY ZONING PERMIT APPLICATION

Please provide all of the information requested in this application.

Read the Zoning Regulations and familiarize yourself with the requirements. Failure to provide all the required information will delay the process of this application. Based upon the nature of the project you may need to submit additional information. For instructions on how to fill out this form please refer to the *Zoning Permit Application Instructions & Fee Schedule* available on the municipal website or at the municipal offices. Submit one copy of the completed application and a check payable to the *Town of Waterbury* according to the zoning fee schedule. For questions about the permit process, please contact the Zoning Administrator at 802-244-1018.

CONTACT INFORMATION

APPLICANT

Name: Jake + Kristin Blauvelt

Mailing Address: 1002 SWEET RD
WATERBURY Center

Home Phone: 802.598.9680 (Jake)

Work/Cell Phone: JBLAUVELT10@gmail.com

Email: KRISTIN BLAUVELT@gmail.com

PROPERTY OWNER (if different from Applicant)

Name: KRISTIN + JAKE Blauvelt

Mailing Address: _____

Home Phone: _____

Work/Cell Phone: _____

Email: _____

PROJECT DESCRIPTION

Physical location of project (E911 address): 1002 SWEET ROAD

Lot size: 5.97 A Zoning District: MDR

Existing Use: Residential Proposed Use: Residential

Brief description of project: ADDITION - KITCHEN, DINING,
Ma. Bedroom + Bathroom, ENTRY PORCH

Cost of project: \$ ± 400k Estimated start date: Foundations Fall 2021
Completion Fall 2022

Water system: Well Waste water system: on site Septic

EXISTING

Square footage: 1900 Height: 24'

Number of bedrooms/baths: 3/2

of parking spaces: 4

Setbacks: front: >600'

sides: ± 90 / ± 130 rear: ± 125

PROPOSED

Square footage: 3250 Height: 14'

Number of bedrooms/bath: 1/1

of parking spaces: 4 (0 New)

Setbacks: front: >600'

sides: ± 90 / ± 130 rear: ± 125

CHECK ALL THAT APPLY:

NEW CONSTRUCTION

- Single-Family Dwelling
- Two-Family Dwelling
- Multi-Family Dwelling
- Commercial / Industrial Building
- Residential Building Addition
- Comm./ Industrial Building Addition
- Accessory Structure (garage, shed)
- Accessory Apartment
- Porch / Deck / Fence / Pool / Ramp
- Development in SFHA (including repairs and renovation)
- Other _____

USE

- Establish new use
- Change existing use
- Expand existing use
- Establish home occupation

OTHER

- Subdivision (# of Lots: _____)
- Boundary Line Adjustment (BLA)
- Planned Unit Development (PUD)
- Parking Lot
- Soil/sand/gravel/mineral extraction
- Other _____

ADDITIONAL MUNICIPAL PERMITS REQUIRED:

- Curb Cut / Access permit
- E911 Address Request
- Water & Sewer Allocation
- none of the above

[Additional State Permits may also be required]

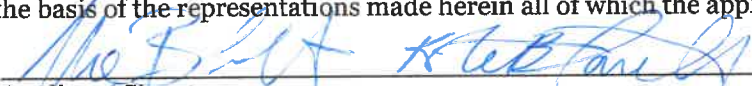
SKETCH PLAN


Please include a sketch of your project, drawn to scale, with all required measurements - see *Zoning Permit Application Instructions*. You may use the space below or attach separate sheets. For plans larger than 11"x17" please provide a digital copy (pdf. file format) in addition to a paper copy.

EXHIBIT A2

SIGNATURES

The undersigned hereby applies for a Zoning Permit for the use described in this application to be issued on the basis of the representations made herein all of which the applicant swears to be complete and true.


9-3-21
 Applicant Signature date


9-3-21
 Property Owner Signature date

CONTACT

Zoning Administrator Phone: (802) 244-1018
Mailing Address: Waterbury Municipal Offices, 28 North Main Street, Suite 1, Waterbury, VT 05676
Municipal Website: www.waterburyvt.com

OFFICE USE ONLY

Zoning District/Overlay: _____

Review type: Administrative DRB Public Warning Required: Yes No

DRB Referral Issued (effective 15-days later): _____

DRB Mtg Date: _____ Decision Date: _____

Date Permit issued (effective 16-days later): _____

Final Plat due (for Subdivision only): _____

Remarks & Conditions: _____

Authorized signature: _____ Date: _____

REVIEW/APPLICATIONS:

- Conditional Use Waiver
- Site Plan
- Variance
- Subdivision:
 - Subdv. BLA PUD
- Overlay:
 - DDR SFHA RHS CMP
- Sign
- Other _____
- n/a

**TOWN OF WATERBURY
CONDITIONAL USE INFORMATION**

| | |
|--------------------|-----------------------------------|
| Date: _____ | Application #: _____ |
| Fees Paid: _____ | (\$15 recording fee already paid) |
| Parcel ID #: _____ | |
| Tax Map #: _____ | |

This Conditional Use (and Setback Waiver) information sheet supplements the Zoning Permit application. Please provide all of the information requested on each form. Read the Zoning Regulations and familiarize yourself with the requirements. Failure to provide all the required information will delay the process. Submit one copy of the completed forms and a check payable to the *Town of Waterbury* according to the zoning fee schedule. For questions about the permit process, please contact the Zoning Administrator at 802-244-1018.

PROJECT DESCRIPTION

Brief description of project: ADDITION TO AN EXISTING SINGLE FAMILY RESIDENCE

CONDITIONAL USE CRITERIA

Please respond to the following; you may answer on a separate sheet and attach additional pages and supporting materials:

1. Describe how the proposed use will not have an undue adverse impact on the capacity of existing or planned community facilities to accommodate it (including roads and highways, municipal water or sewer systems, school system, fire protection services):

NO INCREASED DEMAND.

2. Describe how the proposed use will not have an undue adverse impact on the character of the area affected as defined by the Municipal Plan and the zoning district in which the proposed project is located:

RESIDENTIAL PROJECT NOW ... RESIDENTIAL ADDITION PROPOSED

3. Describe how the proposed use will not violate any municipal bylaws and ordinances in effect:

AA. Residential use in a Residential Zoning District

4. Describe any devices or methods to prevent or control fumes, gas, dust, smoke, odor, noise, or vibration:

N.A.

5. For removal of earth or mineral products which is not incidental to a construction, landscaping, or agricultural operation, a removal project must meet specific conditions outlined within Section 302 of the Waterbury Zoning Regulations. Are the conditions included within the Application Submittals?

AA. No earth or mineral products to be removed

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| | |
|--------------------|-----------------------------------|
| Date: _____ | Application #: _____ |
| Fees Paid: _____ | (\$15 recording fee already paid) |
| Parcel ID #: _____ | |
| Tax Map #: _____ | |

**TOWN OF WATERBURY
OVERLAY DISTRICT INFORMATION**

This Overlay District information sheet supplements the Zoning Permit Application. Please provide all of the information requested on both forms. Read the Zoning Regulations and familiarize yourself with the requirements. Failure to provide all the required information will delay the process. Submit one copy of the completed forms and a check payable to the *Town of Waterbury* according to the zoning fee schedule. For questions about the permit process please contact the Zoning Administrator at 244-1018.

PROJECT DESCRIPTION

Brief description of project: ADDITION: KITCHEN, Master Bedroom
Dining Nook. New Entry Porch

Fill out only the relevant section(s) & utilize the following checklists to ensure your plans include all the required information.

DOWNTOWN DESIGN REVIEW OVERLAY DISTRICT (DDR)

DESIGN STANDARDS:

For Historic Structures (applying to all structures listed on the National Register of Historic Places):

- Original materials or materials typical of the architectural style are preserved or replaced with like materials to the extent feasible and appropriate.
- Historic building features shall be preserved or replicated to the extent feasible and appropriate.

For projects within the Historic/Commercial Sub-District:

- New building designs shall reinforce historic streetscape patterns, including orientation and setbacks.
- New buildings shall maintain overall height, size, massing, scale, and proportions compatible with those of buildings in the vicinity.
- New additions are designed to complement and be compatible with the original structure.
- Project design reinforces a pedestrian streetscape.
- On-site utilities shall be buried and utility boxes are screened from public view if the utilities along the street serving that structure are also buried.
- Buildings, or portions thereof, having eaves heights of 20-foot or less above ground level incorporate moderately to steeply pitched roofs, unless the another roof type is appropriate.

For projects within the Mixed-Use Sub-District:

- Building sites, including road and pedestrian networks, are designed in a manner that is integrated and compatible with adjoining parcels and areas.
- A proposed project located next to or facing a historic structure incorporates similar or complementary building features.
- New buildings are oriented to front upon, and relate both functionally and visually to, primary access roads.
- On-site parking is situated to the rear or on the sides of structures, where feasible and appropriate.
- The primary facades of principal structures are clearly defined through the placement of one or more prominent entryways, pedestrian walkways, or landscaping features.
- Building facades and rooflines are designed so as to reduce the perceived mass, scale, and uniform impersonal appearance of large buildings and additions, and to provide visual interest.
- Clearly defined pedestrian walkways are provided through parking areas, between buildings, and from public sidewalks to the site.

SUBMISSION REQUIREMENTS:

- All information required under Site Plan (see Site Plan Application)
- Proposed architectural elevations (for each exterior wall) showing door and window types and placement, and other exterior details
- A description of all materials to be used on the exterior of building
- Photos of the existing building(s) on the site and adjacent and facing parcels
- For demolition of a structure listed on the National Register of Historic Places see additional requirements within the Regulations.

RIDGELINE, HILLSIDE, STEEP SLOPE OVERLAY DISTRICT (RHS) EXHIBIT **A5**

REVIEW STANDARDS:

- For both Minor & Major Development Projects see Conditional Use Criteria
- For Major Development Projects:
 - Screening
 - Access
 - Placement of Structures
 - Exterior Lighting
 - Clearcutting and Pre-Development Site Preparation
 - Natural Resources
 - Building Design

SUBMISSION REQUIREMENTS :

- Minor Development Projects (1,200--1,499 FIE)
 - All information required under Site Plan Review (see Site Plan Review Application)
 - Completed Conditional Use Application
- Major Development Projects (1,500 & up FIE)
 - All information required under Site Plan Review (see Site Plan Review Application)
 - Completed Conditional Use Application
 - Grading Plan
 - Visibility Studies
 - Stormwater Drainage/Erosion Control Plan
 - Landscape Plan
 - Access Plan Natural Features

SPECIAL FLOOD HAZARD AREA OVERLAY DISTRICT (SFHA)

DESIGN STANDARDS:

- All development is reasonably safe from flooding All fuel storage tanks are either elevated or floodproofed.
- All substantial improvements and new construction (including fuel storage tanks) meet the following criteria:
 - Designed, operated, maintained, modified and adequately anchored to prevent flotation, collapse, release, or lateral movement of the structure
 - Constructed with materials resistant to flood damage
 - Constructed by methods and practices that minimize flood damage
 - Constructed with electrical, heating, ventilation, plumbing and air-conditioning equipment and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding
 - All new subdivisions and other proposed developments that are greater than 50 lots or 5 acres, whichever is the lesser shall include within such proposal base flood elevation data. See Regulations for additional subdivision standards.
 - The fully enclosed areas below the lowest floor that are useable solely for parking of vehicles, building access, or storage in an area other than a basement are designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters.
 - A non-residential, appurtenant structure of 500 sf or less need not be elevated to or above the base flood elevation in this area, provided the structure is placed on the building site so as to offer the minimum resistance to the flow of floodwaters
 - In Zones AE, A, and A1 – A30 where base flood elevations and/or floodway limits have not been determined, new construction and substantial improvement shall not be permitted unless it demonstrates additional standards (see Regulations)
 - All new construction and substantial improvements of residential structures within Zones A1-30, and AE must have the lowest floor of all residential structures (including basement) elevated to at least one foot above the base flood level.
 - All manufactured homes are installed using methods and practices which minimize flood damage. Manufactured homes must be elevated on a permanent foundation such that the lowest floor of the manufactured home is at least one foot above base flood elevation, and they must be anchored to an adequately anchored foundation to resist flotation collapse, or lateral movement.
 - All new construction and substantial improvements of non-residential structures within Zones A1-30, and AE shall:
 - Have the lowest floor (including basement) elevated to at least two feet above the base flood level; or
 - Be designed so that below the base flood level the structure is water tight with walls substantially impermeable to the passage of water with structural components having the capability of resisting hydrostatic and hydrodynamic loads and

effects of buoyancy to a point at least two feet above the base flood level.

- Where a non-residential structure is intended to be made watertight below the base flood level a registered professional engineer or architect shall develop and/or review structural design
- Adequate drainage paths shall be required around structures on slopes to guide floodwaters around and away from proposed structures.
- The flood carrying and sediment transport capacity within the altered or relocated portion of any watercourse shall be maintained, and any alteration or relocation shall not result in any decrease of stream stability.
- Bridge and culverts, which by their nature must be placed in or over the stream, must obtain a stream alteration permit from the Agency of Natural Resources, if required.

SUBMISSION REQUIREMENTS:

- Plans in triplicate, drawn to scale, showing the location, dimensions, contours, and elevation of the lot; the size and location on the site of existing or proposed structures, fill or storage of materials; the location and elevations of streets, water supply, and sanitary facilities; and the relation of the above to the location of the channel, floodway, and base flood elevation
- Specifications for building construction and materials, floodproofing, mining, dredging, filling, grading, paving, excavation, or drilling, channel improvement, storage of materials, water supply, and sanitary facilities
- Base flood elevation data for all subdivisions, new construction, and substantial improvements
- The elevation, in relation to mean sea level, of the lowest floor, including basement, of all new construction or substantial improvement of structures
- Where floodproofing is used in lieu of elevation, the elevation, in relation to mean sea level, to which any structure or substantial improvement will be floodproofed
- Where an application requires Board review the application shall include certification by a registered professional engineer or architect demonstrating that the proposed development will not increase base flood elevations more than 0.25 foot
- Certification by a registered professional engineer or architect demonstrating compliance with the elevation requirements
- A description of the extent to which any watercourse will be altered or relocated as a result of the proposed development
- A Vermont Agency of Natural Resources Project Review Sheet for the proposal
- Proposed floodproofing must be supported by a FEMA Floodproofing Certificate

CERTIFICATE OF COMPLETION: Upon completing the project the Applicant must apply for and receive a Certificate of Completion to ensure the project conforms to the Special Flood Hazard Area Regulations. See Certificate of Completion Application for additional information.

CONTACT Zoning Administrator Phone: (802) 244-1018
Mailing address: Waterbury Municipal Offices, 28 North Main Street, Suite 1, Waterbury, VT 05676
Municipal Website: www.waterburyvt.com

GENERAL CONDITIONS

- DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE REMAIN THE PROPERTY OF THE ARCHITECT AND ARE PROTECTED UNDER COMMON LAW COPYRIGHT PROVISIONS. THEY ARE NOT TO BE REUSED EXCEPT BY WRITTEN AGREEMENT AND WITH THE AGREED COMPENSATION TO THE ARCHITECT. IF REUSED WITHOUT PERMISSION, THE ARCHITECT SHALL BE INDEMNIFIED AND HELD HARMLESS FROM ALL CLAIMS, DAMAGES, LOSSES & EXPENSES, INCLUDING, BUT NOT LIMITED TO, ATTORNEY'S FEES ARISING OUT OF OR RESULTING FROM THE PERFORMANCE OF THE WORK BY THE CONTRACTOR. THE ARCHITECT SHALL NOT HAVE CONTROL OR CHANGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OF OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR FOR ANY OTHER PERSON PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE ARCHITECT SHALL NOT BE RESPONSIBLE WHERE CONSTRUCTION DEVIATES FROM THESE DRAWINGS OR FROM WRITTEN RECOMMENDATIONS, CHANGES TO THE PLAN BY THE OWNER AND / OR CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE PERSONS MAKING SUCH CHANGES. THE OWNER AND / OR CONTRACTOR SHALL HOLD THE ARCHITECT HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES & EXPENSES INCLUDING, BUT NOT LIMITED TO, ATTORNEY'S FEES ARISING OUT OF OR RESULTING FROM THE PERFORMANCE OF THE WORK BY THE CONTRACTOR. THE ARCHITECT SHALL NOT HAVE CONTROL OR CHANGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OF OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR FOR ANY OTHER PERSON PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- OBTAINING THE CERTIFICATE OF OCCUPANCY FROM LOCAL JURISDICTION AS REQUIRED BY PERMITTING PROCESS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- FILING A CERTIFICATE OF COMPLIANCE WITH THE STATE OF VERMONT & LOCAL ZONING OFFICE REGARDING COMPLIANCE WITH ADOPTED ENERGY CODES AS PER THE DEPARTMENT OF ENERGY CODES PROGRAM SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- THE CONTRACTOR SHALL, WITHOUT DELAY AND PRIOR TO FABRICATION OR INSTALLATION BRING TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES BETWEEN THE MANUFACTURER'S SPECIFICATIONS OR RECOMMENDATIONS AND THE CONTRACT DOCUMENTS. UNAUTHORIZED CHANGES TO PLANS BY THE OWNER AND / OR CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE PERSONS MAKING SUCH CHANGES.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSION SHALL GOVERN. GENERAL CONTRACTOR TO CALL THE ARCHITECT IF DISCREPANCIES ARE FOUND.
- THE GENERAL CONTRACTOR SHALL MAINTAIN THE SITE AND BUILDINGS TO BE CLEAN AND SAFE AT ALL TIMES. UNSAFE AREAS ARE TO BE CLEARLY MARKED AND APPROPRIATELY BARRICADED. MATERIALS AND WORK IN PLACE SHALL BE PROTECTED FROM HEATHER AND VANDALS.
- IF THE SCOPE OF THE WORK SHOULD EXPAND BEYOND THE WORK DESCRIBED ON THESE DRAWINGS, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM THE OWNER AND RECEIVE AUTHORIZATION TO PERFORM THE ADDED WORK. THIS NOTIFICATION AND AUTHORIZATION MUST BE MADE BEFORE PROCEEDING WITH THE ADDITIONAL WORK.
- REMOVE AND LEGALLY DISPOSE OF ALL CONSTRUCTION AND DEMOLITION DEBRIS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT, UNLESS CONTRACT SPECIFICS OR OTHER SPECIFIC INSTRUCTIONS.
- PROVIDE A PORTABLE TOILET FOR USE BY ALL WORKERS ASSOCIATED WITH THE PROJECT. SERVICE THE TOILET WEEKLY.
- NO SMOKING IS PERMITTED IN THE BUILDING. DISPOSE OF CIGARETTE BUTTS AND OTHER TRASH PROPERLY.
- PROTECT ALL WORK IN PLACE, MATERIALS STORED ON SITE, AND SITE FEATURES. MAINTAIN THE BUILDING SECURE AT ALL TIMES.
- UNFORESEEN CONDITIONS. SHOULD UNFORESEEN CONDITIONS BE ENCOUNTERED THAT AFFECT DESIGN OR FUNCTION OF THE PROJECT, THE CONTRACTOR SHALL INVESTIGATE FULLY AND SUBMIT AN ACCURATE, DETAILED REPORT TO THE ARCHITECT WITHOUT DELAY. WHILE AWAITING A RESPONSE, CONTRACTOR SHALL RESCHEDULE OPERATIONS AS REQUIRED TO AVOID DELAY OF OVERALL PROJECT WHEN POSSIBLE.
- SUBMITTAL NOTE:** SUBMITTALS ARE REVIEWED FOR CONFORMANCE WITH DESIGN INTENT AND GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS ONLY. NOTATIONS DO NOT AUTHORIZE CHANGES TO CONTRACT SUM, COORDINATION, AND MEANS AND METHODS.
- RECORD DRAWINGS:** THE CONTRACTOR SHALL PREPARE AND MAINTAIN A COMPLETE SET OF RECORD CONSTRUCTION DRAWINGS INDICATING ALL ACTUAL WORK, MODIFICATION AND REVISIONS TO THE WORK DELINEATED ON THE CONSTRUCTION DRAWINGS AS WELL AS ANY CONCEALED CONSTRUCTION WORK. INCLUDE ALL OTHER INFORMATION WHICH WOULD BE HELPFUL TO THE OWNER.

AIR SEALING SPECIFICATIONS

AIR SEALING STANDARDS/GOALS

- DESIGN REQUIREMENTS:
- PROVIDE AN AIR SEALING SYSTEM OF ENTIRE BUILDING ENVELOPE INCLUDING ROOF, ALL FLOOR AND WALLS.

PERFORMANCE REQUIREMENTS:

AIR LEAKAGE THROUGH AIR SEALING SYSTEM: NOT TO EXCEED 2 ACH AT 50 PA PRESSURE DIFFERENTIAL FROM THE INSIDE TO THE OUTSIDE.

QUALITY ASSURANCE

- TESTING AGENCY: QUALIFIED, ENGAGED BY THE GENERAL CONTRACTOR.
- PRE-INSTALLATION CONFERENCE: AIR SEALING SYSTEM INSTALLERS, INCLUDING ENTITIES LISTED BELOW. INCLUDE REVIEW OF INSTALLATION, CONTINUITY, SEALING AND TESTING REQUIREMENTS FOR AIR SEALING SYSTEM. PREPARE AN AIR SEALING SEQUENCING PLAN WHICH OUTLINES SEQUENTIAL STEPS BY ALL ATTENDEES TO MEET REQUIREMENTS.
 - CONTRACTOR'S AIR SEALING COORDINATOR/SUPER-INTENDANT
 - BUILDING WRAP INSTALLER
 - ROOFING INSTALLER
 - BUILDING INSULATION INSTALLER
 - WINDOW AND DOOR INSTALLER
 - JOINT SEALANT INSTALLER
 - SIDING INSTALLER
 - TESTING AGENCY REPRESENTATIVE

THO BLOWER DOOR TESTS WILL BE CONDUCTED AS PART OF THE CONTRACTUAL AGREEMENT TO DETERMINE THE ADEQUACY OF AIR-TIGHT CONSTRUCTION, THE TEST WILL OCCUR AT THE STAGE WHEN THE BUILDING IS TOTALLY ENCLOSED, INSULATED AND AIR BARRIER INSTALLED BUT BEFORE ANY INTERIOR TRIM WORK OR FINISH FLOORS HAVE BEEN INSTALLED. THE CONTINUOUS AIR BARRIER MUST BE IN PLACE. ONCE THE INITIAL BLOWER DOOR TEST IS COMPLETE, THE CONTRACTOR AND TESTING AGENT WILL DISCUSS REMEDIAL/ADDITIONAL AIR SEALING WORK NECESSARY TO ACHIEVE THE STANDARDS AS OUTLINED IN THIS SECTION. A SECOND BLOWER DOOR TEST SHALL BE PERFORMED AT JOB SUBSTANTIAL COMPLETION TO VERIFY COMPLIANCE. IF AFTER THE SECOND BLOWER DOOR TEST THE BUILDING FAILS TO ACHIEVE THE STANDARDS AS OUTLINED IN THIS SECTION, THE CONTRACTOR WILL BE REQUIRED TO MAKE ONGOING ENVELOPE IMPROVEMENTS AND A THIRD (AND ANY ADDITIONAL) BLOWER DOOR TESTS WILL BE CONDUCTED AT THE CONTRACTOR'S EXPENSE.

FIELD QUALITY CONTROL

CONTRACTOR SHALL COMPLETE THE FOLLOWING BEFORE TESTING:

- ENSURE THE AIR SEALING SYSTEM IS COMPLETE INCLUDING BUILDING WRAP, VAPOR BARRIER, RIGID INSULATION, AND PERMANENT PENETRATIONS INSTALLED (INCLUDING WINDOWS AND DOORS, MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT) INSTALLED.
- PERMANENT ROOFING.
- BUILDING INSULATION.
- SEAL OPENINGS IN MECHANICAL SYSTEMS WITH POLYETHYLENE SHEETING AND TAPE OR AS DIRECTED BY THE TESTING AGENCY INCLUDING:
 - VENTILATION INTAKE AND EXHAUST
 - PLUMBING STACKS AND VENTS
 - OUTDOOR LOUVERS

- SEAL HOLES IN EXTERIOR DOORS WHERE HARDWARE IS NOT YET INSTALLED.
- CLOSE AND LATCH WINDOWS AND DOORS.
- SEAL OTHER OPENINGS PERMITTED BY TESTING AGENCY THAT ARE INTENTIONAL AND WILL BE PERMANENTLY CLOSED OFF WHEN CONSTRUCTION IS COMPLETE AND THE BUILDING IS FULLY OCCUPIED.
- ENSURE MECHANICAL AND COMBUSTION SYSTEMS ARE OFF AND NOT OPERATING.

CONTRACTOR'S RESPONSIBILITIES: DURING TESTING

- CORRECT AIR SEALING SYSTEM WHICH DOES NOT COMPLY WITH REQUIREMENTS DURING TESTING. PROVIDE MATERIALS AND LABOR AS REQUIRED TO PERFORM CORRECTION DURING TESTING.
- PROVIDE TEMPORARY ELECTRICAL POWER FOR TESTING AGENCIES EQUIPMENT.
- AVOID THE NECESSITY TO CUT AND PATCH IN PLACE PERMANENT CONSTRUCTION AS REQUIRED TO CORRECT AIR SEALING SYSTEM.
- PROVIDE EQUIPMENT INCLUDING SCAFFOLDING, LADDERS, LIFTS, OR OTHER MEANS APPROVED BY TESTING AGENCY TO ALLOW SPOTTERS AND TESTERS ACCESS TO SURFACES OF THE VOLUMES BEING TESTED, INCLUDING EXTERIOR WALL SURFACES, INTERIOR CEILING-HALL JUNCTIONS, INTERIOR ROOF-HALL JUNCTIONS, AND CEILING AND ROOF PENETRATIONS

GRAPHIC SYMBOLS

NORTH ARROW.
MAGNETIC NORTH
UNLESS NOTED OTHERWISE

BUILDING SECTION.
SECTION I.D.
SHEET NUMBER

WALL SECTION.
SECTION NUMBER
SHEET NUMBER

DETAIL REFERENCE.
DETAIL NUMBER
SHEET NUMBER

LARGE AREA DETAIL REFERENCE.
DETAIL NUMBER
SHEET NUMBER

GRID REFERENCE.
STRUCTURAL COLUMN GRID
LAYOUT REFERENCE

PARTITION TYPE REFERENCE.
EXCEPTIONS
a. stud size
b. stud gauge
c. acoustic insul.
d. thermal insul.

DRAWING TITLE REFERENCE.
REFERENCE NUMBER
DRAWING TITLE

SCALE

DOOR REFERENCE.
FRENCH DOOR NUMBER
DOOR NUMBER

WINDOW REFERENCE.
WINDOW UNIT I.D.

INTERIOR ELEVATION REFERENCE.
ELEVATION DIRECTION INDICATOR
wall plane(s)

LEVEL / MATERIAL ELEVATION DATUM

REVISION INDICATOR
AREA REVISED
REVISION NUMBER
REVISION CHANGE

ROOM NAME
LIVING ROOM
MATERIALS: FLOOR, BASE TRIM, WALLS, CEILING
CEILING HGT



BLAAUVELT RESIDENCE
WATERBURY VERMONT

PROJECT TEAM

- OWNERS**
KRISTIN & JAKE BLAAUVELT
1002 SHEET RD
WATERBURY CENTER, VERMONT 05672
- ARCHITECT**
VOLANSKY STUDIO ARCHITECTURE & PLANNING
351 NORTH HOLLOW RD
STONE, VERMONT 05672
802-743-4499 (PH)
WWW.VOLANSKYSTUDIO.COM
- CONTRACTORS**
AARON FLINT BUILDERS
11 N MAIN ST
WATERBURY, VERMONT 05616
802-371-4433 (PH)
WWW.AARONFLINTBUILDERS.COM
- STRUCTURAL ENGINEER**
ARTISAN ENGINEERING
120 GRAHAM WAY SUITE 124
SHELBURNE, VERMONT 05482
802-447-3531 (PH)
- SITE AND CIVIL ENGINEERING**
MCCAIN CONSULTING INC.
43 S MAIN ST #1
WATERBURY VILLAGE, VERMONT 05616
802-244-5045 (PH)

DRAWING LEGEND

ARCHITECTURAL DRAWING LEGEND

- AO.1 COVER SHEET
- AI.1 SITE PLAN
- A2.1 MAIN LEVEL FLOOR PLAN
- A3.1 ELEVATIONS
- A3.2 EXISTING & PROPOSED IMAGES
- A4.1 BUILDING SECTIONS

ELECTRICAL DRAWING LEGEND

INTERIOR ELEVATIONS

CIVIL ENGINEERING DRAWING LEGEND

1 OF 1 OVERALL SITE PLAN

STRUCTURAL DRAWING LEGEND

ENERGY EFFICIENCY - AS PER EFFICIENCY VERMONT & U.S. DEPARTMENT OF ENERGY

| COMPONENT | BASE CODE PACKAGE 4 | STRETCH CODE PACKAGE 3 | HIGH PERF. HOME |
|--------------------------------------|---|----------------------------------|--|
| CEILING R-VALUE | R-10 ATTIC/R-41 SLOPED GLS | R-60 ATTIC/R-41 SLOPED GLS | R-50 (FLAT & SLOPED) |
| ABOVE GRADE WALL R-VALUE | R-20 CAVITY | R-20 CAVITY | R-40 |
| FLOOR R-VALUE (GANTILEVERED) | R-30 CAVITY | R-30 CAVITY | R-40 |
| BASEMENT/CRAWL SPACE WALL R-VALUE | R-15/R-20 | R-20 CONTR-15+10 (INSUL SHTR) | R-30 |
| SLAB EDGE R-VALUE | R-15, 4" AT PERIMETER OF SLAB | R-15, 4" FT | R-30 |
| HEATED SLAB R-VALUE (EDGE AND UNDER) | R-15 CONTINUOUS | R-15 CONTINUOUS | R-30 |
| WINDOW AND DOOR U-VALUE | U-0.28 | U-0.28 | U-0.25 WINDOW U-0.25 DOOR |
| SKYLIGHT U-VALUE | U-0.35 | U-0.35 | N/A |
| MAXIMUM AIR LEAKAGE | COMPLETE AIR SEALING CHECKLIST OR < 3 ACH50 | < 3 ACH50 | TEST TO 1 ACH50 OR LOWER |
| MAXIMUM DUCT LEAKAGE | 4 CFM/100 CFA | WITHIN THERMAL BOUNDARY | WITHIN THERMAL BOUNDARY |
| HEATING SYSTEM AFUE | N/A | ENERGY STAR (85% BLR/ 78% PUR) | ENERGY STAR CERTIFIED, BOILER 94% AFUE MIN |
| COOLING SYSTEM SEER | N/A | ENERGY STAR (125% BLR/ 126% PUR) | ENERGY STAR CERTIFIED |

ResCheck RESULTS
TO BE DETERMINED/VERIFIED DURING CD PHASE

PERMIT SET

INSULATION INSTALLATION - GRADE 1 (RESET SYSTEM)
THERMAL ENCLOSURE INSPECTION MUST BE DONE BY EFF VT PRIOR TO DRYHALL
50% ENERGY STAR CERTIFIED FIXTURES AND/OR BULBS
SEE EFF VT HPM SPECS AND NEGATIVES FOR ADDITIONAL HVAC REQUIREMENTS

EXHIBIT B

THESE DRAWINGS HAVE BEEN DEVELOPED BY VOLANSKY STUDIO ARCHITECTURE & PLANNING FOR THE TITLED SET ONLY. THE DRAWINGS ARE THE SOLE PROPERTY OF VOLANSKY STUDIO AND THEY SHALL NOT BE USED, LENT, COPIED OR ALTERED WITHOUT THE WRITTEN CONSENT OF VOLANSKY STUDIO

REVISION KEY

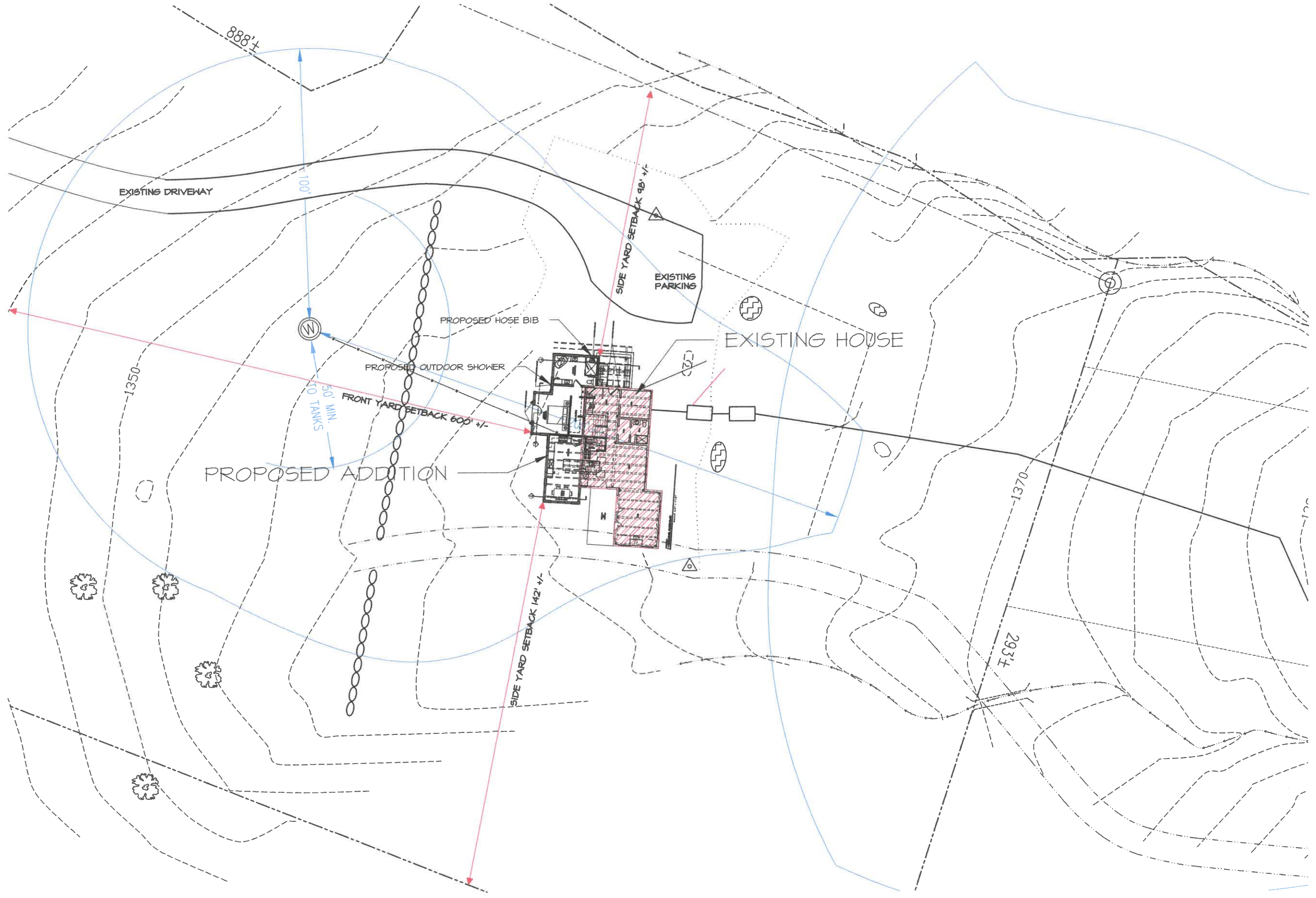
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|-------|------------|
| △ | DD MM YYYY |
| ▽ | DD MM YYYY |
| ◇ | DD MM YYYY |
| ◊ | DD MM YYYY |
| ◡ | DD MM YYYY |
| ◢ | DD MM YYYY |
| ◣ | DD MM YYYY |
| ◤ | DD MM YYYY |

REVOLUTION & ADDITION

BLAAUVELT RESIDENCE
1002 SHEET ROAD
WATERBURY CENTER VERMONT

volansky Architecture & Planning Studio
1815 MOUNTAIN ROAD
STONE VERMONT 05672
WWW.VOLANSKYSTUDIO.COM

Date 04.09.2021
Scale AS NOTED
Drawn SKH/RA
Job 2102
Sheet AO.1



PROPOSED
1 - SITE PLAN

SCALE 1/16" = 1'-0"

EXHIBIT **C1**

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| <p>volansky Architecture & Planning studio</p> <p>1915 MOUNTAIN ROAD STONE VERMONT 05672 802.783.4494 WWW.VOLANSKYSTUDIO.COM</p> | | |
| <p>RENOVATION & ADDITION BLAUVELT RESIDENCE 1002 SWEET ROAD WATERBURY CENTER ■ VERMONT</p> | | |
| Date | 09.09.2021 | |
| Scale | AS NOTED | |
| Drawn | SKHRA | |
| Job | 2102 | |
| Sheet | A1.1 | |

PERMIT SET

NOTES

Design Calculations:

- 1) Assume a three bedroom house and garage with 1 bedroom apartment. Daily Flow (DF) @ 140 gpd/br = 560 gpd
- 2) Percolation rate = 10 minute/inch (based on 2nd slowest rate from all perc tests)
- 3) Application rate (AR) = $(3/\sqrt{T}) = (3/\sqrt{10}) = 0.95 \text{ gal/sf/day}$
Maximum application rate for effluent in an absorption trench = 1.5 g/a.f./d
- 4) Required trench area: $DF/AR = 560/0.95 = 589 \text{ sf}$
($589 \times 0.66 = 389 \text{ sf required}$) Reduction allowed per Rules section 1-511(p) using 24" of stone below the distribution pipe.
- 5) Actual area: three trenches @ $4' \times 38' = 456 \text{ sf}$
- 6) System as constructed has adequate capacity

Soil Information

Test pits excavated on 11/02/05
Robert Pelosi, ANR Barre, Present

- SB-9
0 -13" Brown topsoil loam
13"-31" Yellow brown very fine sandy loam
31"-72" Gray brown gravelly loamy sand
- SB-10
0 -7" Brown topsoil loam
7"-26" Yellow brown very fine sandy loam
26"-74" Gray brown gravelly loamy sand
- SB-11
0 -7" Brown topsoil loam
7"-28" Yellow brown very fine sandy loam
28"-77" Gray brown gravelly loamy sand

Percolation Tests

- PT-1 4 Min/in @ 25"
PT-2 15 Min/in @ 26"

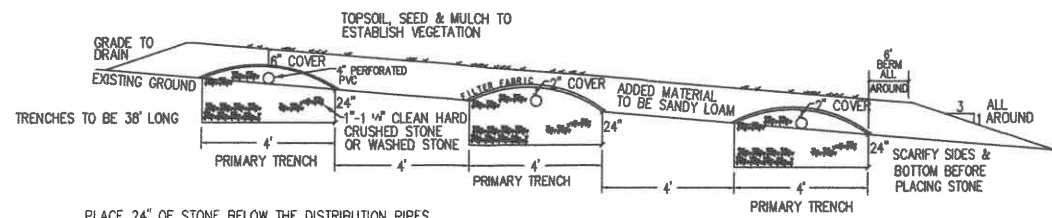
Additional perc test taken 09/12/14

- PT-1A 8 Min/in @ 31"
PT-2A 10 Min/in @ 33"

Setbacks:

The following are general setback distances that must be met unless otherwise authorized by the permitting authority and/or the consultant. This list does not necessarily include all required setback distances and the listed setback distances may not apply to all sites:

| ITEM | LEACHFIELD SEE PLAN | SEPTIC TANK SEE PLAN | SEWER SEE PLAN |
|---------------------------------|---------------------|----------------------|----------------|
| DRILLED WELL | 50 | 50 | 50 |
| SPRING | 75 | 75 | 75 |
| LAKES, PONDS, IMPOUNDMENTS | 50 | 25 | 25 |
| RIVERS, STREAMS | 50 | 25 | 10 |
| PROPERTY LINE | 25 | 10 | 10 |
| ROADWAY, DRIVEWAY, PARKING LOTS | 10 | 5 | SEE PLAN |
| TREES | 10 | 10 | 10 |
| SERVICE WATER LINE | 25 | 25 | SEE PLAN |



SEEPAGE TRENCH DETAIL
(NOT TO SCALE)

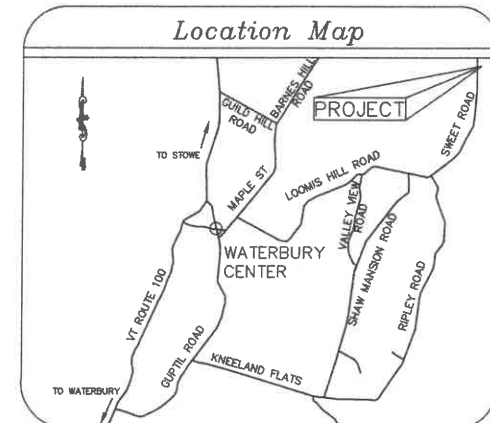
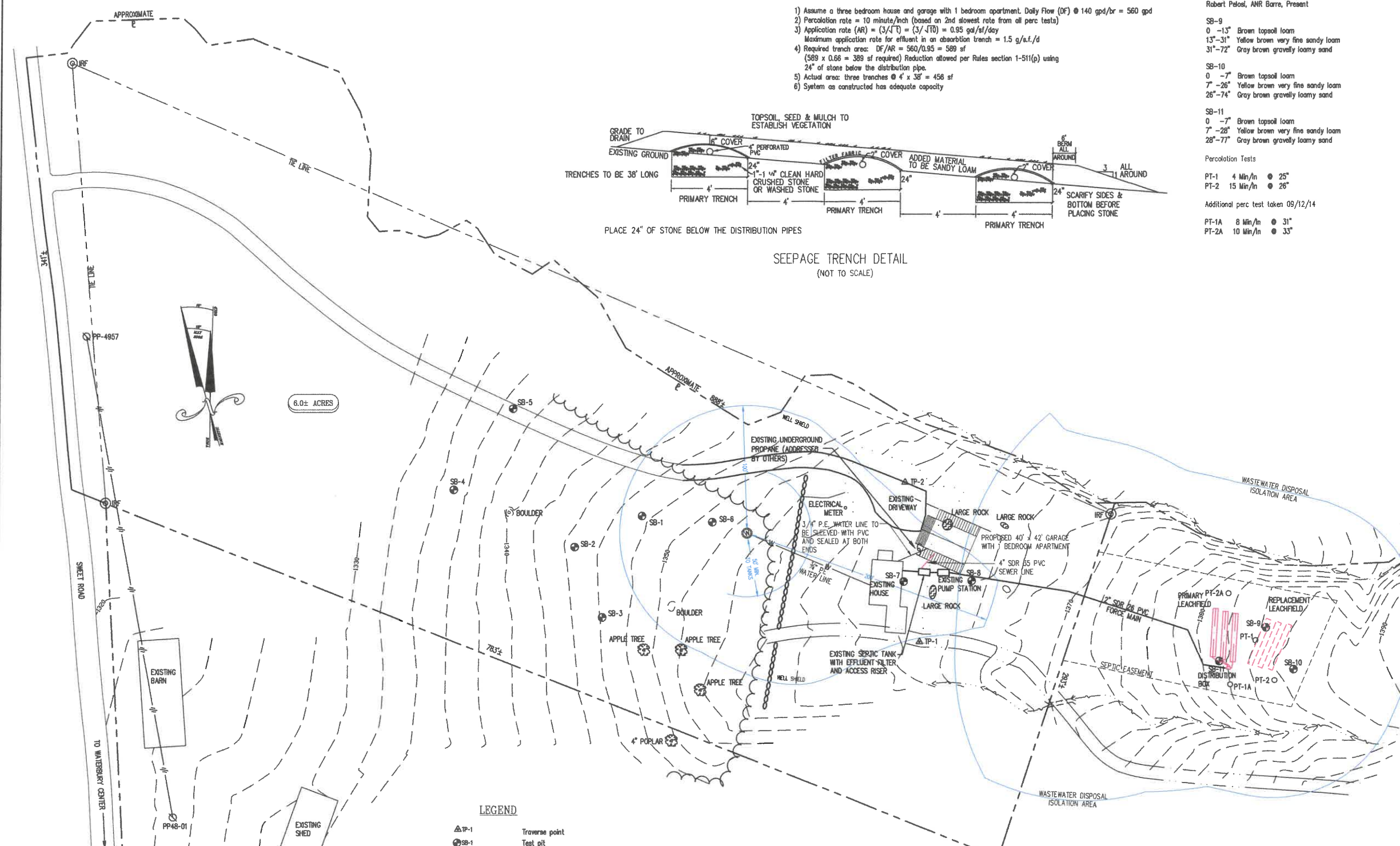
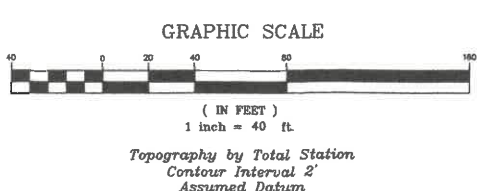


EXHIBIT **C2**



LEGEND

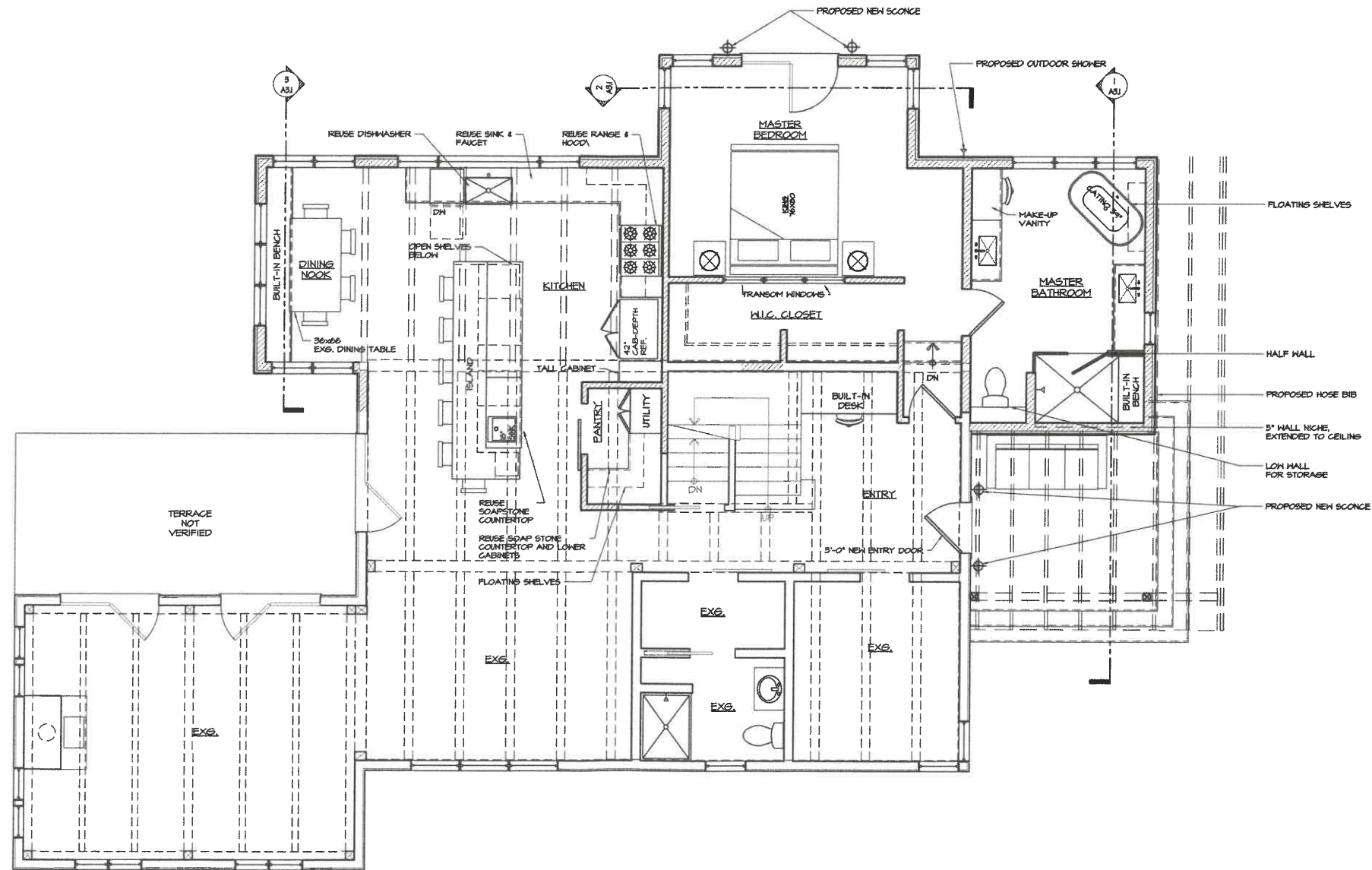
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| | Traverse point |
| | Test pit |
| | Percolation test |
| | Proposed well |
| | Iron rod found |
| | Benchmark |
| | Utility pole |
| | Latitude/Longitude point |
| | Tree |
| | Tie line |
| | Stone wall |
| | Outvert |
| | Overhead power lines |
| | 10' contours |
| | 2' contours |
| | Tree line |
| | Property line |
| | Stream |
| | Stream |



THE CONTRACTOR SHALL REVIEW ALL CONSTRUCTION ACTIVITIES, COMPONENT LOCATIONS, SPECIFICATIONS, AND DETAILS PRIOR TO COMMENCEMENT OF SITE WORK AND SHALL NOTIFY MCCAIN CONSULTING OF ANY ISSUES OR DISCREPANCIES THAT ARISE FROM THAT REVIEW.

THIS IS NOT A SURVEY. THIS PLAN DOES NOT MEET THE REQUIREMENTS OF 27 VSA SEC. 1403 FOR THE FILING OF SURVEY PLATS.

| | |
|--|--|
| <p>SITE PLAN JAKE BLAUVELT REVISION TO WW-5-3574</p> | |
| SWEET ROAD | WATERBURY CENTER, VT |
| <p>SCALE : 1" = 40' DESIGNED BY: GNM DRAWN BY: WDB CHECKED BY: GNM</p> | <p>PROJECT : #61368A McCain CONSULTING, INC. 93 SOUTH MAIN STREET WATERBURY, VERMONT 05676</p> |
| DATE: MAY 22, 2015 | SHEET 1 OF 1 |



PROPOSED
1 - MAIN LEVEL FLOOR PLAN

SCALE 1/4" = 1'-0"

| REVISIONS | DATE | DATE |
|-----------|------|------|
| 1 | ASU | |
| 2 | ASU | |
| 3 | ASU | |

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Architecture & Planning Studio

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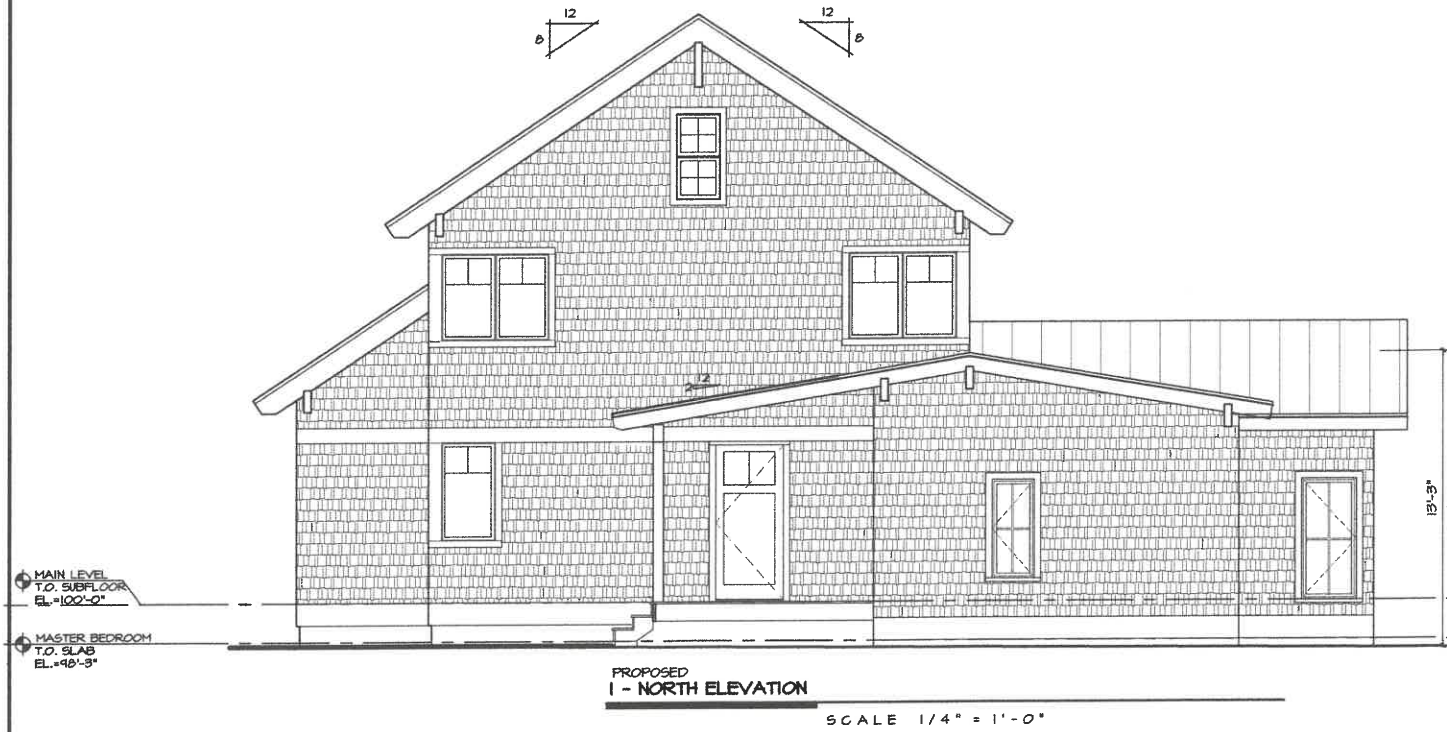
RENOVATION & ADDITION
BLAUVELT RESIDENCE
1002 SWEET ROAD
WATERBURY CENTER ■ VERMONT

| | |
|-------|------------|
| Date | 01.09.2021 |
| Scale | AS NOTED |
| Drawn | KMO/SK/WRA |
| Job | 2102 |
| Sheet | A2.1 |

EXHIBIT **D1**

PERMIT SET

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PROPOSED
1 - NORTH ELEVATION
SCALE 1/4" = 1'-0"



PROPOSED
2 - SOUTH ELEVATION
SCALE 1/4" = 1'-0"



PROPOSED
3 - WEST ELEVATION
SCALE 1/4" = 1'-0"

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| REVISIONS | date | date |
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 802.783.4484

RENOVATION & ADDITION
BLAUVELT RESIDENCE
 1002 SWEET ROAD
 WATERBURY CENTER VERMONT

Date 09.08.2021
 Scale AS NOTED
 Drawn SKMIRA
 Job 2102
 Sheet A3.1

PERMIT SET

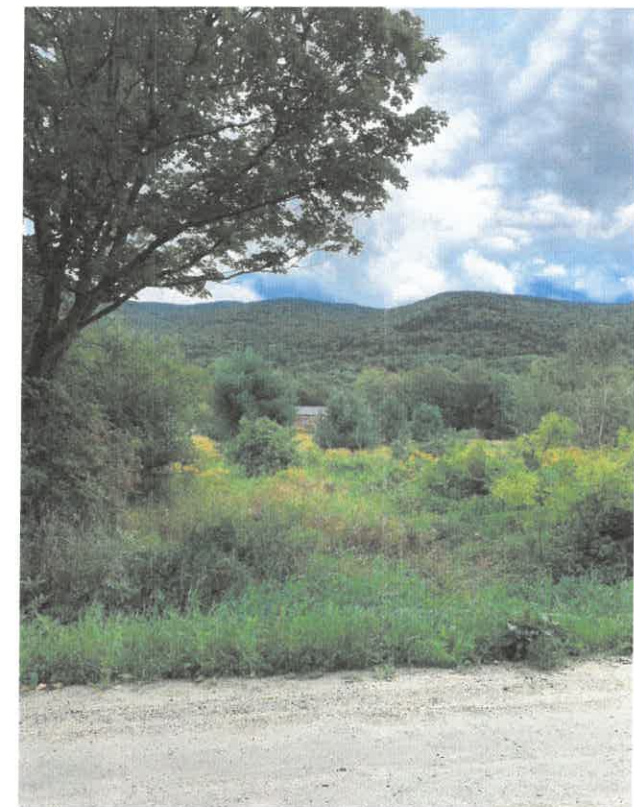
EXHIBIT **D2**



EXISTING ENTRY



EXISTING WEST ELEVATION



EXISTING VIEW FROM MAIN ROAD



PROPOSED ENTRY



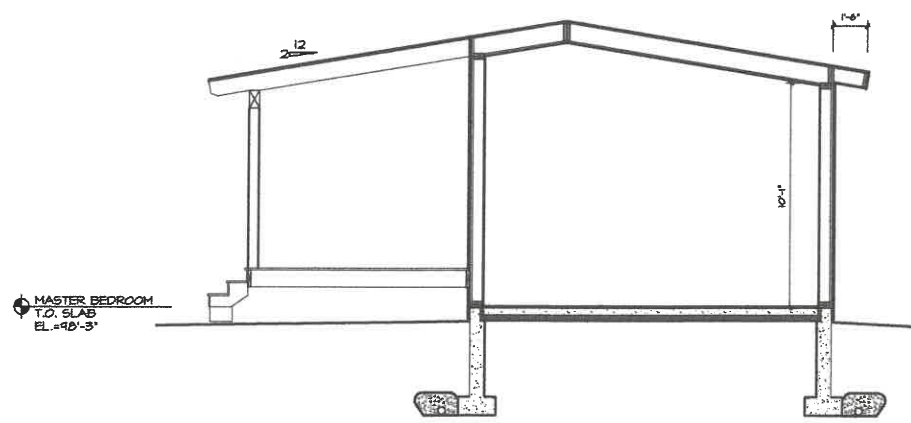
PROPOSED WEST ELEVATION

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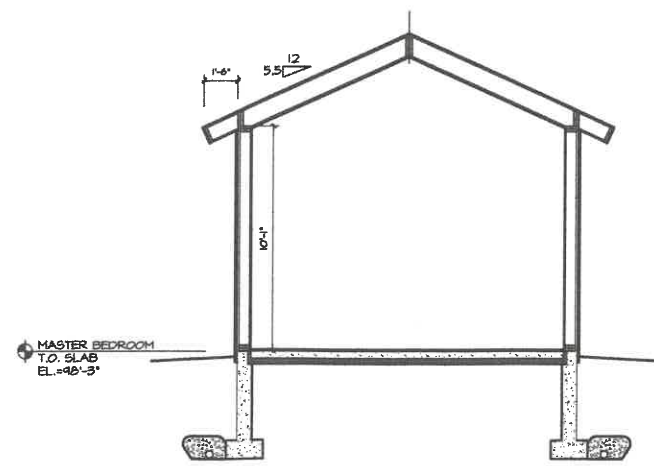
EXHIBIT **D3**

PERMIT SET

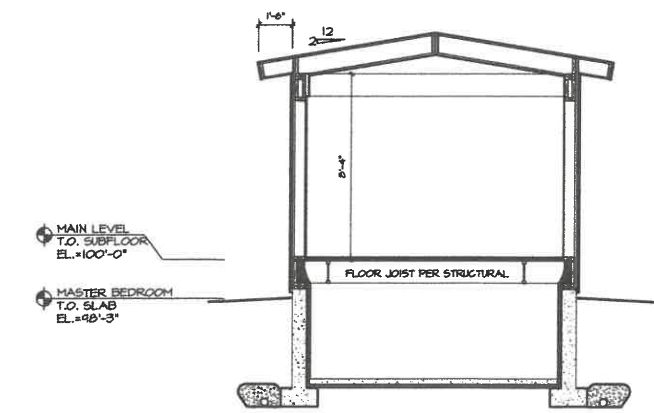
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| scale | | |
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| RENOVATION & ADDITION BLAUVELT RESIDENCE 1002 SWEET ROAD WATERBURY CENTER ■ VERMONT | | |
| Date | 09.05.2021 | |
| Scale | AS NOTED | |
| Drawn | SKMIRA | |
| Job | 2102 | |
| Sheet | A3.2 | |



PROPOSED
1 - MASTER BATH SECTION
SCALE 1/4" = 1'-0"



PROPOSED
2 - MASTER BEDROOM SECTION
SCALE 1/4" = 1'-0"



PROPOSED
3 - DINING NOOK SECTION
SCALE 1/4" = 1'-0"

EXHIBIT **D4**

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PERMIT SET

| | | |
|--|------------|------|
| REVISIONS | date | date |
| △ | | |
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| BLAUVELT RESIDENCE 1002 SHEET ROAD WATERBURY CENTER VERMONT | | |
| Date | 09.05.2021 | |
| Scale | AS NOTED | |
| Drawn | SKMIRA | |
| Job | 2102 | |
| Sheet | A4.1 | |

SCHOOLHOUSE

Factory 6 LED Sconce



Application: Wall Sconce

Product Origin: Processed and assembled in Portland, Oregon using ethically-sourced domestic and global components.

UL Listed: Yes

Wattage: 13 W

Voltage: 120 Volts

Location Rating: Wet

Dimensions:

Height: 15.75"
Diameter: 12"
Projection: 19.5"
Canopy Width: 4.75"

Materials: Steel

Details:

- No bulb required - Includes a self-contained LED module
- All shade options feature a white interior
- Cage option adds 3.25" in overall height

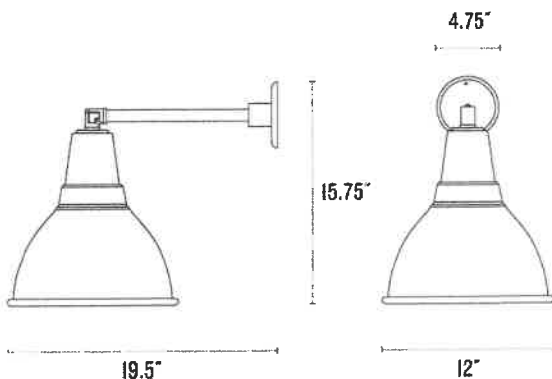
Brightness: 910 Lumens

Hour Life: 50,000 hrs

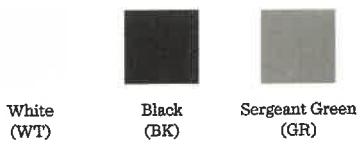
Color Temperature: 3000K

Color Rendering Index: 80 CRI

One year guarantee



Color Options



Cage Options



EXHIBIT **E1**



EXHIBIT E2



BLAUVELT RESIDENCE

1002 SWEET RD
WATERBURY, VT

EXISTING EXTERIOR WALL SCONCES
MIGHT REUSE





Blauvelt Property - 1002 Sweet Rd

Waterbury Center, VT

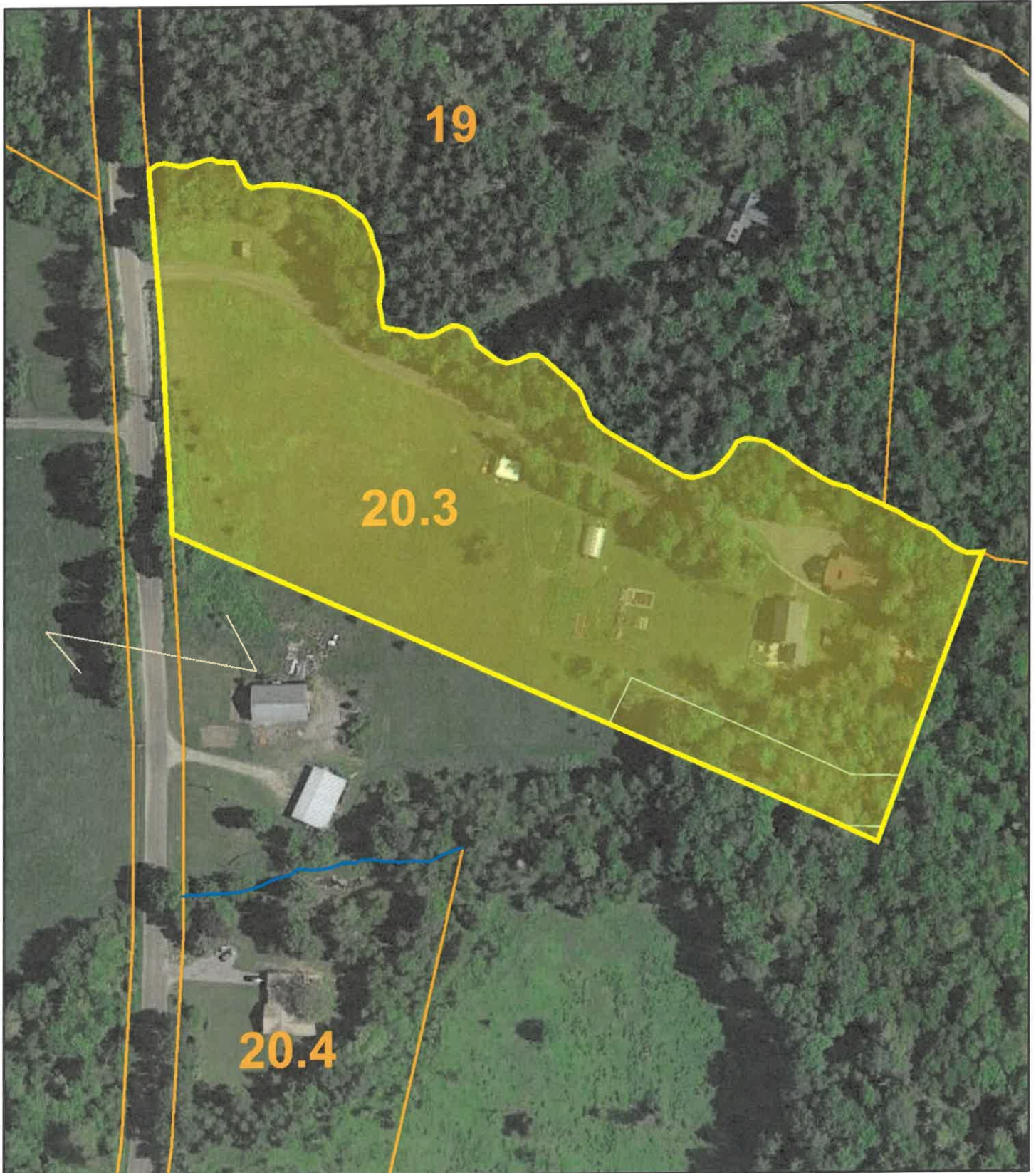
1 inch = 134 Feet

CAI Technologies
Precision Mapping. GreenSpace Solutions.

September 30, 2021



EXHIBIT



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