

CIVIL ENGINEERING LAND SURVEYING LAND USE PLANNING PERMITTING

March 24, 2023

Neal Leitner Waterbury Assistant Planning & Zoning Director 28 North Main St, Suite 1 Waterbury, VT 05676

RE: Town of Waterbury Zoning Permit Application and DRB Review – RHS Major

Waleko Property, Ring Road, Waterbury

McCain Project No. 40012A

Dear Neal.

Enclosed please find the following documents for the above referenced project:

- A fee check in the amount of \$315.00,
- Zoning Permit Application & Site Plan Review Information,
- Conditional Use Information,
- Overlay District Information & RHS-Major Overlay District Criteria Response
- Location & Abutters Map,
- VT ANR Natural Resources Atlas Wildlife & Slopes Maps,
- List of Abutters & Mailing Addresses,
- Viewshed Photo,
- Site Plan Existing/Proposed Grades, Sheet C-1, dated March 16, 2023,
- Site Plan Original Grades, Sheet C-2, dated March 16, 2023,
- Viewshed Profile, Sheet V-1, dated March 16, 2023
- Architectural Floor Plans A1.1, A1.2, A1.3
- Architectural Elevations A2.1, A2.2, A2.3
- Architectural Site Plan SP.1
- Lighting cut sheets

This application is for review of proposed construction of a single-family residence and associated infrastructure for the Waleko property, PID 535-1100. The project lies within the Conservation (CNS) zoning district and the Ridgeline, Hillside, Steep Slope (RHS) Overlay District and is considered a 'Major Development" as the location of the proposed dwelling is above 1,500 feet in elevation and is subject to review by the DRB under the conditional use criteria. The proposed residence will be located in the previously approved building envelope per Town Permit #055-20, with no changes to the previously approved clearing/envelopes below the house. A small area of additional clearing to support a relocated leachfield is proposed uphill of the building envelope, but will not adversely affect screening of the proposed structure. Predevelopment clearing, driveway improvements, and some minor earthwork have already been completed in the vicinity of the building envelope per the prior town permit, with the only tree cutting that remains for construction of the leachfield.

Please let me know when the date for the hearing has been determined so that I can notify the adjoiners. Feel free to call with any questions or if you need any additional information.

Sincerely,

McCain Consulting, Inc.

George N. McCain Jr., P.E.

Enc.

### **TOWN OF WATERBURY ZONING PERMIT APPLICATION**

ZONINO I ERMITI AL I ELOATION	Toy Man
Please provide all of the information requested in this application.	Tax Map
Tlease provide an of the information requested in this application.	

Date:	Application #:
Fees Paid: _	+ \$15 recording fee =
Parcel ID #: _	
Tax Map #: _	

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 II	NFORMATION			
APPLICANT			PROPERTY OWN	IER (if different from Applicant)
Name:	Gary Waleko & Tracy	/ Hedges Waleko	Name:	
Mailing Address:	PO Box 12960		Mailing Address:	
	Wainscott, NY 11975	<u> </u>		
Home Phone : _	631-537-1967		Home Phone :	
Work/Cell Phone:	516-658-3215		Work/Cell Phone:	
Email:	gwaleko@mawconst	ruction.com	Email:	
PROJECT D	ESCRIPTION			CHECK ALL THAT APPLY:
Physical location of	of project (E911 addres	ss):		NEW CONSTRUCTION
Off Ring R	toad, PID 535-1100. S	ee attached Town Zo	ning & Tax Map.	·
Lot size: <del>± 27</del>	acres Zoning Distric	et: Conservation (Cf	NS) & RHS-Major	-
				□ Commercial / Industrial Building
Brief description of	of project: <u>Constructi</u>	on of a single family r	esidence within the	□ Residential Building Addition
				·
improvements, a	and minor earthwork ha	ave been performed p	er town permit	
#055-20. See at	ttached site plan and b	ouilding elevation drav	vings.	· •
Cost of project: \$	TBD E	stimated start date: S	Summer 2023	□ Development in SFHA (including
				repairs and renovation)
EXISITING				USE
Square footage:	N/A Height:		•	<u>3</u> /8" □ Establish new use
Number of bedroo	Wainscott, NY 11975  331-537-1967			
# of parking spac	ees:	_ # of parking spac	es:2+	•
Setbacks: front:		_ Setbacks: front:	485'	•
sides:/	rear:	_ sides: <u>475' / 7</u>	60' rear: 310'	
ADDITIONAL	L MUNICIPAL F	PERMITS REQU	JIRED:	
□ Curb Cut / Acc				•
□ Water & Sewer		-		
[A	Additional State Per	mits may also be r	equired]	
Date created: Oct-Nov 2	2012 / Revised: July 2019			PAGE 1 of 2

	<i>plication Instructions</i> . You ma 1 11"x17" please provide a digita	-	_	_
	Ex	hibit A3		
	See attache	d Site Pla	.n	
Teacy Herges.	e representations made herein Walky	all of which the applica		
Applicant sign July delay - Property Own	Waldo For Wales	?()	date 3/23/23 date/	_
CONTACT Zoning Administr Mailing Address:	rator Phone: (802) 244-1018 Waterbury Municipal Offices, te: www.waterburyvt.com	28 North Main Street, S	Suite 1, Waterbury, V	Т 05676
Zoning District/Overlay:  Review type:   Administrative   DRB Referral Issued (effective 15 DRB Mtg Date:  Date Permit issued (effective 16-c	DRB Public Warning Require 5-days later):Decision Date: days later):	red: 🗆 Yes 🗆 No	REVIEW/APPLICATI  Conditional Use Site Plan Variance Subdivision: Subdv. BLA Overlay:	□ Waiver
			□ DDR □ SFHA □ □ Sign □ Other □ n/a	•
Authorized signature:	Date:_			

**SKETCH PLAN** Please include a sketch of your project, drawn to scale, with all required measurements - see Zoning

# TOWN OF WATERBURY SITE PLAN REVIEW INFORMATION

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

This Site Plan Review 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 802-244-1018.

#### PROJECT DESCRIPTION

Brief description of project: Construction of a single-family residence within the Conservation Zoning District and the Ridgeline/Hillsides/Steep Slope(RHS)-Major Overlay District. Building envelope and clearing limits previously approved per town permit #055-20 dated July 15, 2020.

#### SITE PLAN REVIEW CRITERIA

Please u	tilize the check list to ensure your proposal addresses each relevant Site Plan Review criteria:
	Adequacy of traffic access
	Adequacy of circulation and parking
	Adequacy of landscaping and screening (including exterior lighting)
X	Requirements for the Route 100 Zoning District
X	Special considerations for projects bordering Route 2, Route 100, or Interstate 89

#### SITE PLAN SUBMISSION REQUIREMENTS

Before an application for site plan review is considered complete, the applicant shall file a site plan, clearly drawn to the largest practical scale, showing the following:

- □ Location and dimensions of lot lines, names of adjacent landowners, all easements, utilities, and existing and proposed structures.
- □ All access to public streets or roads, parking and service areas, pedestrian walkways, curbs and stormwater drainage.
- Pedestrian and vehicular circulation, including parking lot layout, entrances to structures, signs, and lighting.
- □ Building elevations and footprints.
- Detailed site grading and landscaping, indicating existing and proposed trees, shrubs, and ground cover.
- □ Two copies of all plans.
- □ For plans larger than 11"x17" please submit a digital plan set in addition to the paper copy (pdf. file format).

**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

# 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: Construction of a single-family residence within the Conservation Zoning District and the Ridgeline/Hillsides/Steep Slope(RHS)-Major Overlay District. Building envelope and clearing limits previously approved in town permit #055-20 dated July 15, 2020.

#### 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): Construction of a single-family residence will not have an undue adverse impact on the capacity of existing or planned community facilities. The proposed use is residential and is consistent with the previous approved use of the lot. There are no proposed municipal water or sewer services. One residence will not result in additional students which will exceed the capacity of the local school system. The residential development will not create an unmanageable burden on fire protection services.
- 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: The existing uses in the immediate area are residential and forested open space. Light and noise impacts will be typical of a standard residential use and will not cause danger of fire, explosion, or electrical hazard, or jeopardize the health and safety of the area. See attached Wildlife Map from VT ANR Natural Resources Atlas. All construction will adhere to the Vermont Low-Risk Site Handbook.
- 3. Describe how the proposed use will not violate any municipal bylaws and ordinances in effect: Single-family dwellings are a permitted use within the CNS zoning districts, and are a conditional use within the RHS Overlay District. The proposed project will comply with the zoning bylaws and ordinances in effect.
- 4. Describe any devices or methods to prevent or control fumes, gas, dust, smoke, odor, noise, or vibration: Activities associated with the proposed construction will be standard, temporary, and generally limited to the hours between 7 am and 7 pm. The residential use and will not typically create fumes, gas, dust, smoke, odor, noise, or vibration. No devices or methods are required to control these impacts.
- 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? This provision is not applicable because the proposed project does not include earth removal activities.

**CONTACT** Zoning Administrator Phone: (802) 244-1018

Mailing Address: Waterbury Municipal Offices, 28 North Main Street, Waterbury, VT 05676

Municipal Website: www.waterburyvt.com

# TOWN OF WATERBURY OVERLAY DISTRICT INFORMATION

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

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: Construction of a single-family residence within the Conservation Zoning District and the Ridgeline/Hillsides/Steep Slope(RHS)-Major Overlay District. Building envelope and clearing limits previously approved in town permit #055-20 dated July 15, 2020.

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-feet 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)

REVIEW STANDARDS:	SUBMISSION REQUIREMENTS:
For both Minor & Major Development Projects see	Minor Development Projects (1,200—1,499 FIE)
Conditional Use Criteria	□ All information required under Site Plan
For Major Development Projects:	Review (see Site Plan Review Application)
Screening	□ Completed Conditional Use Application
Access	Major Development Projects (1,500 & up FIE)
Placement of Structures	☐ All information required under Site Plan
Exterior Lighting	Review (see Site Plan Review Application)
Clearcutting and Pre-Development Site Preparation	on   Completed Conditional Use Application
Natural Resources	□ Grading Plan
Building Design	□ Visibility Studies
	□ Stormwater Drainage/Erosion Control Plan
	□ Landscape Plan
	□ Access Plan □ Natural Features
	□ Access Flair □ Ivatural Features
SPECIAL FLOOD HAZARD AREA OVE	RLAY DISTRICT (SFHA)
DESIGN STANDARDS:	` <i>'</i>
All development is reasonably safe from flooding	All fuel storage tanks are either elevated or floodproofed.
All substantial improvements and new construction (inclu	_
Designed, operated, maintained, modified and adequ	nately 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	e flood damage
Constructed with electrical, heating, ventilation, plur	mbing 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 developmen	nts that are greater than 50 lots or 5 acres, whichever is the lesser
shall include within such proposal base flood elev	ration data. See Regulations for additional subdivision standards.
The fully enclosed areas below the lowest floor that a	re useable solely for parking of vehicles, building access, or
storage in an area other than a basement are desig	gned to automatically equalize hydrostatic flood forces on exterior
walls by allowing for the entry and exit of floodwa	iters.
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 pla	aced 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 eleva	ations and/or floodway limits have not been determined, new
construction and substantial improvement shall n	not be permitted unless it is demonstrates additional standards
(see Regulations)	
<del>-</del>	of residential structures within Zones A1-30, and AE must have
the lowest floor of all residential structures (inclu-	ding basement) elevated to at least one foot above the base flood
level.	
All manufactured homes are installed using methods	s and practices which minimize flood damage. Manufactured
homes must be elevated on a permanent foundati	ion such that the lowest floor of the manufactured home is at least
one foot above base flood elevation, and they mus	st be anchored to an adequately anchored foundation to resist
flotation collapse, or lateral movement.	
	of non-residential structures within Zones A1-30, and AE shall:
□ Have the lowest floor (including basement) elevated to	
	acture is water tight with walls substantially impermeable to the
passage of water with structural components having t	he 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

#### 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

permit from the Agency of Natural Resources, if required.

- 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

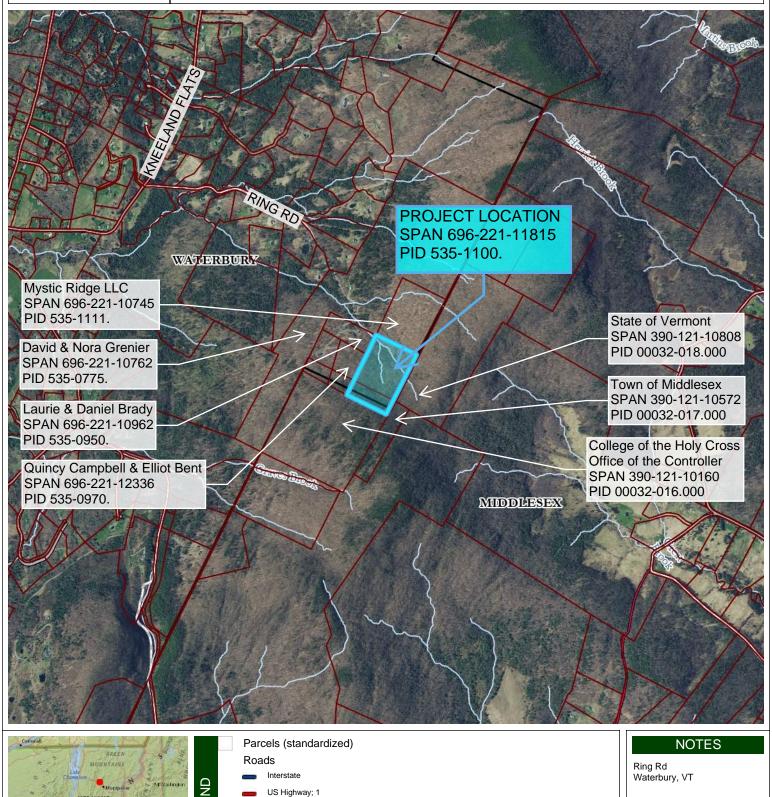
Municipal Website: www.waterburyvt.com

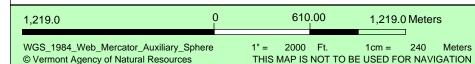
### RHS-MAJOR OVERLAY DISTRICT CRITERIA RESPONSE GARY WALEKO (APPLICANT)

#### RING ROAD, WATERBURY CENTER

- (1) Screening: As depicted on the Site Plan, the proposed development will be buffered from adjoining properties. There are no changes to the previously approved clearing and thinning envelopes, save for small amount of clearing uphill of the proposed house site to accommodate a revised leachfield location. Existing mature twin maples downhill of the house site will remain.
- (2) Access: The majority of the proposed access utilizes an existing woods road through a deeded right-of-way as well as on the subject parcel. Driveway improvements per town permit #055-20 have begun.
- (3) Placement of Structures: The house will be located within the previously approved building envelope as depicted on the Site Plan.
- (4) Exterior Lighting: All exterior lighting will be downcast and shielded. See the enclosed Architectural Plans and lighting cut sheets for details.
- (5) Clear-cutting and Pre-development Site Preparation: Per previous approval Waterbury DRB Approved Hearing Decision for Application # 055-20 dated July 15, 2020.
- (6) Natural Resources: The proposed construction will not cause an undue adverse impact on natural resources.
- (7) **Building Design:** See enclosed Building Elevation Drawings.

vermont.gov





State Highway

Town Highway (Class 1)

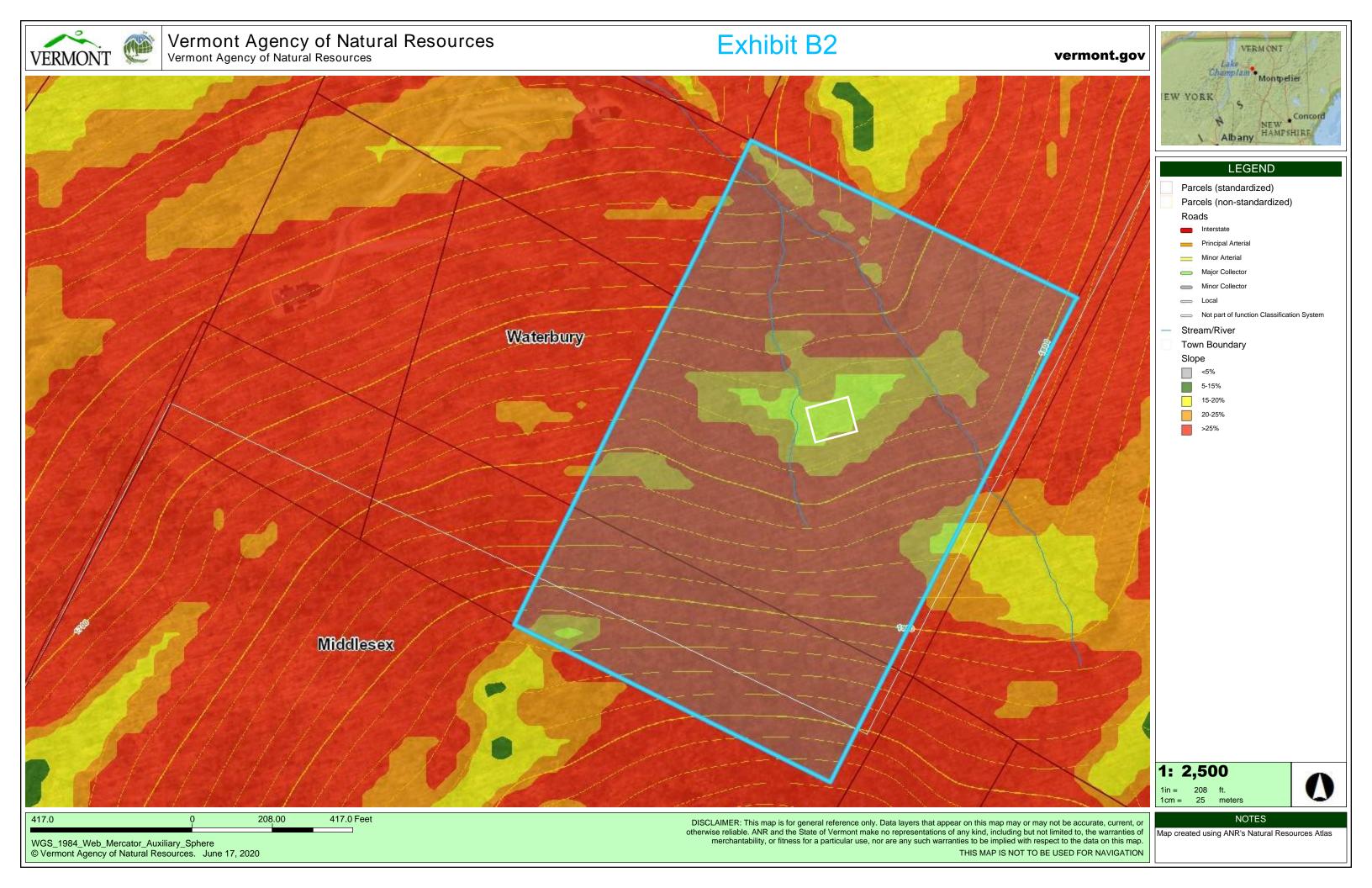
Town Highway (Class 2,3)

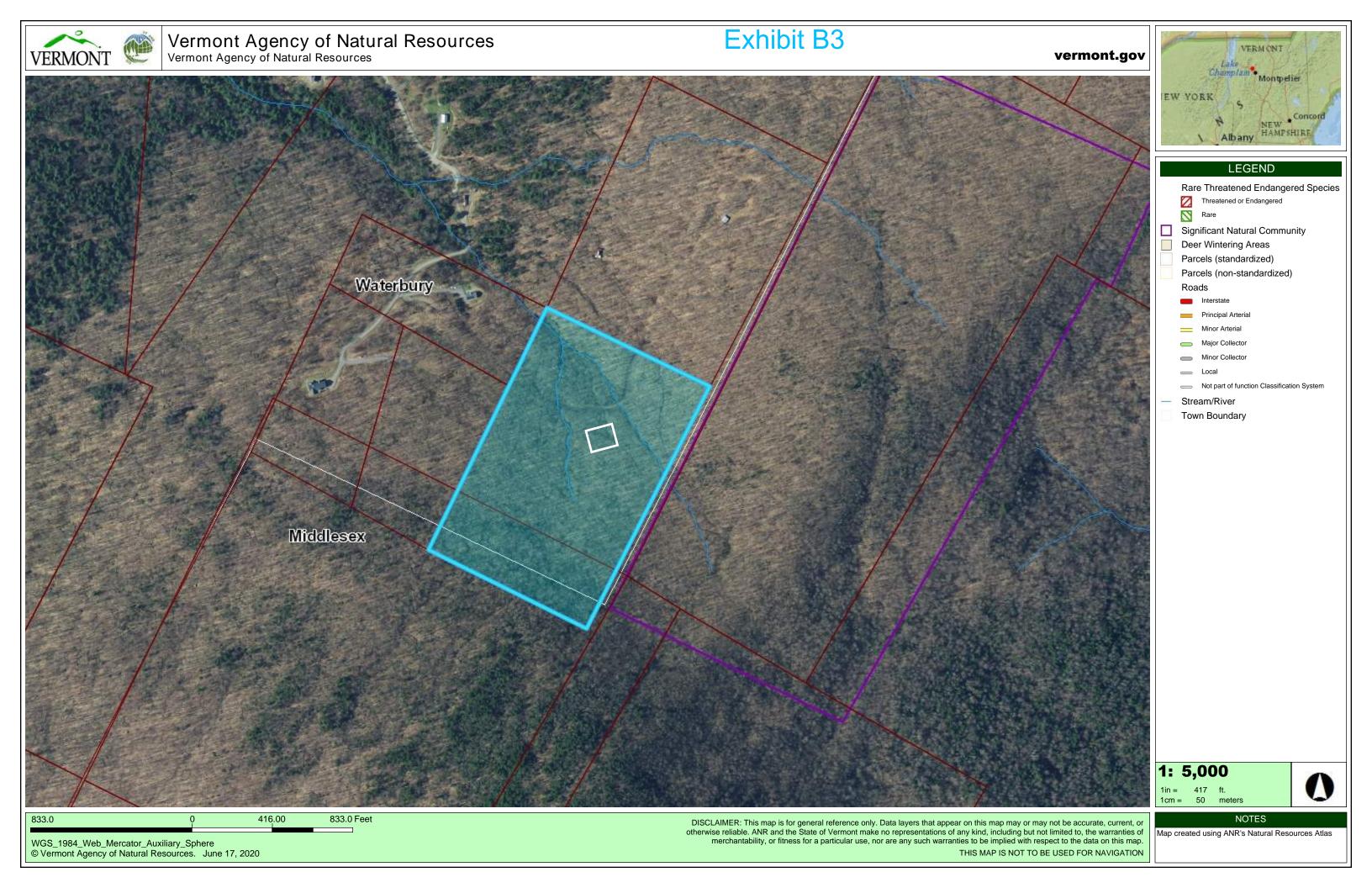
Town Highway (Class 4)

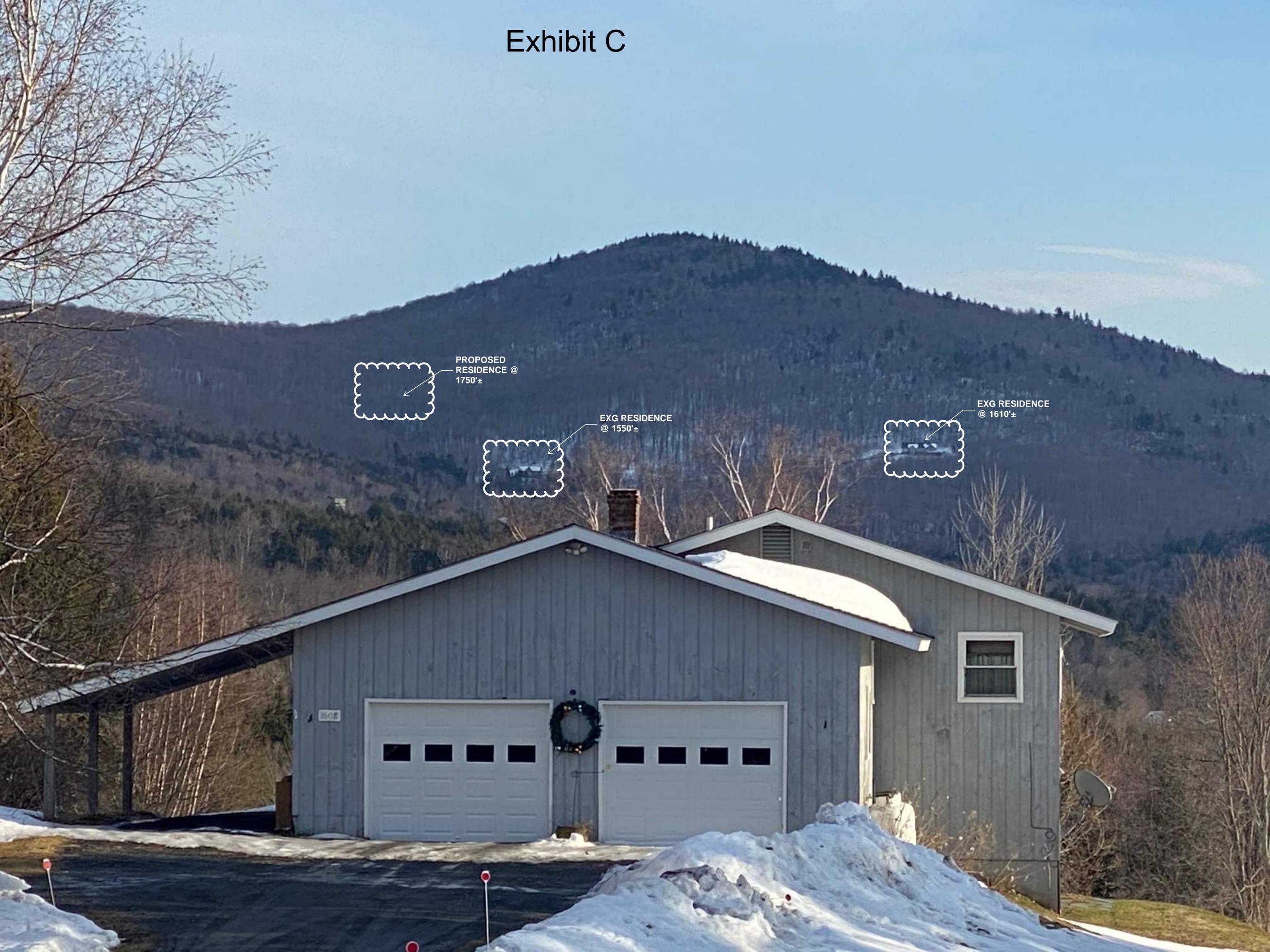
DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular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

1: 24,000

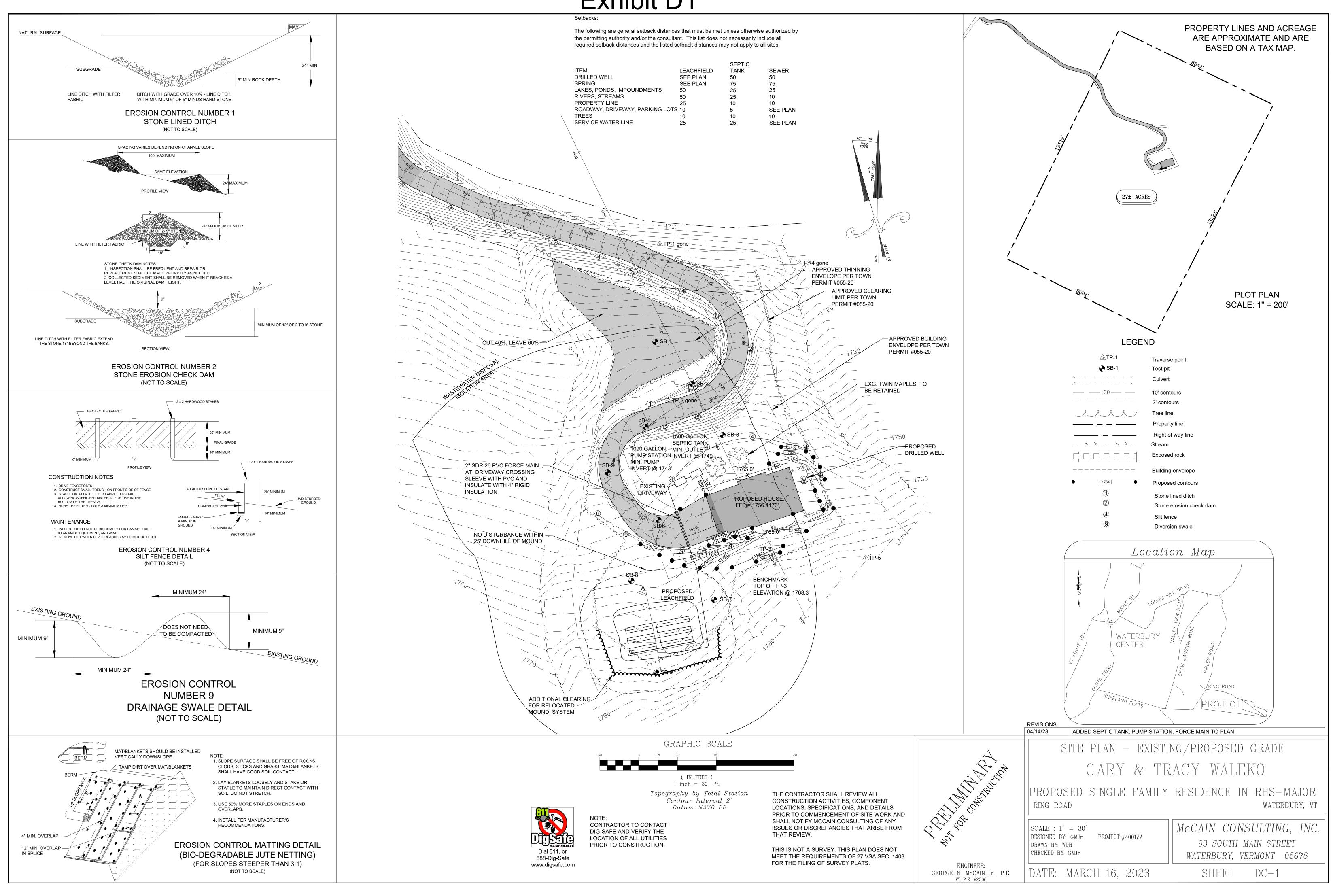
October 27, 2022







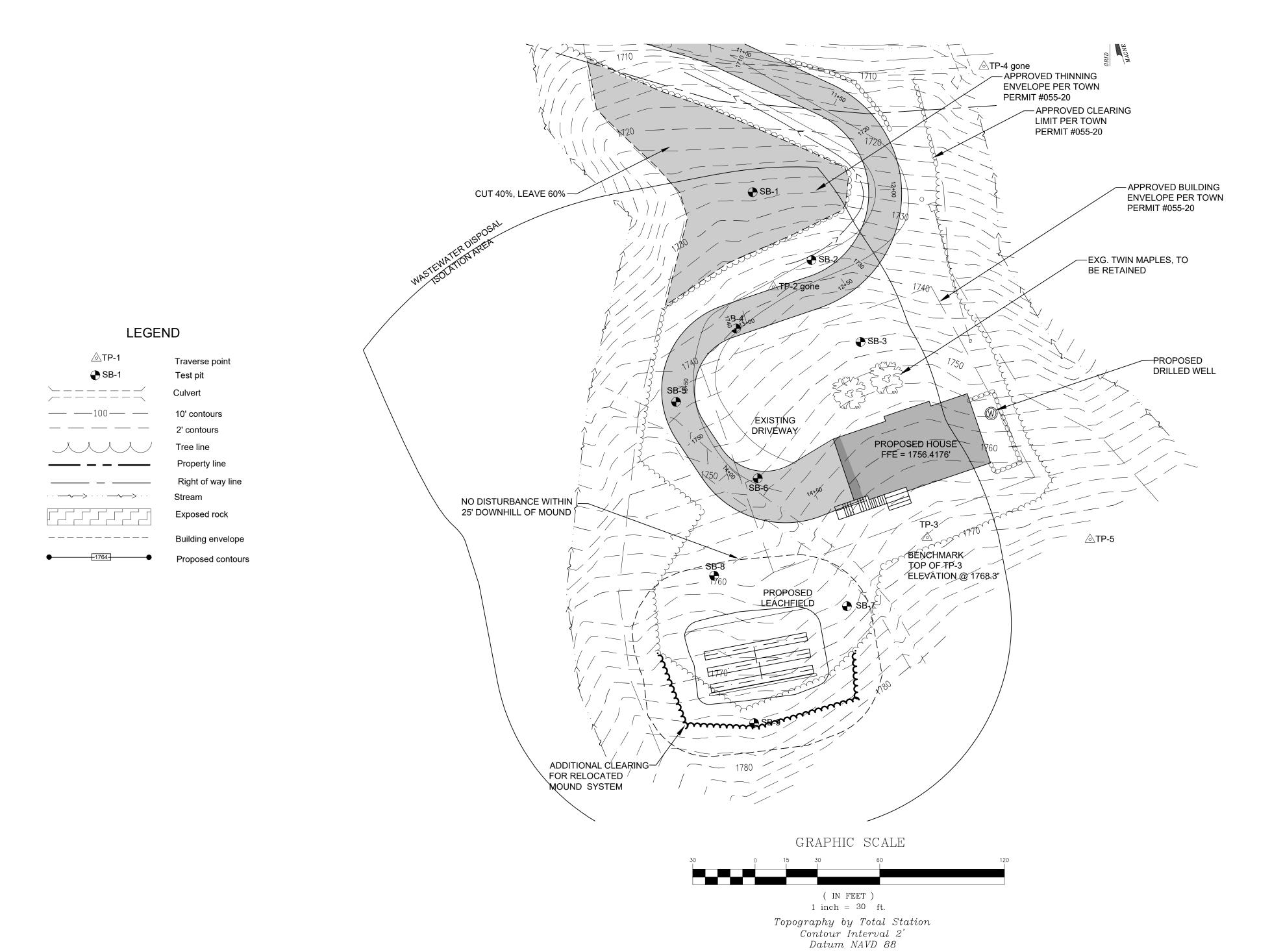
# Exhibit D1

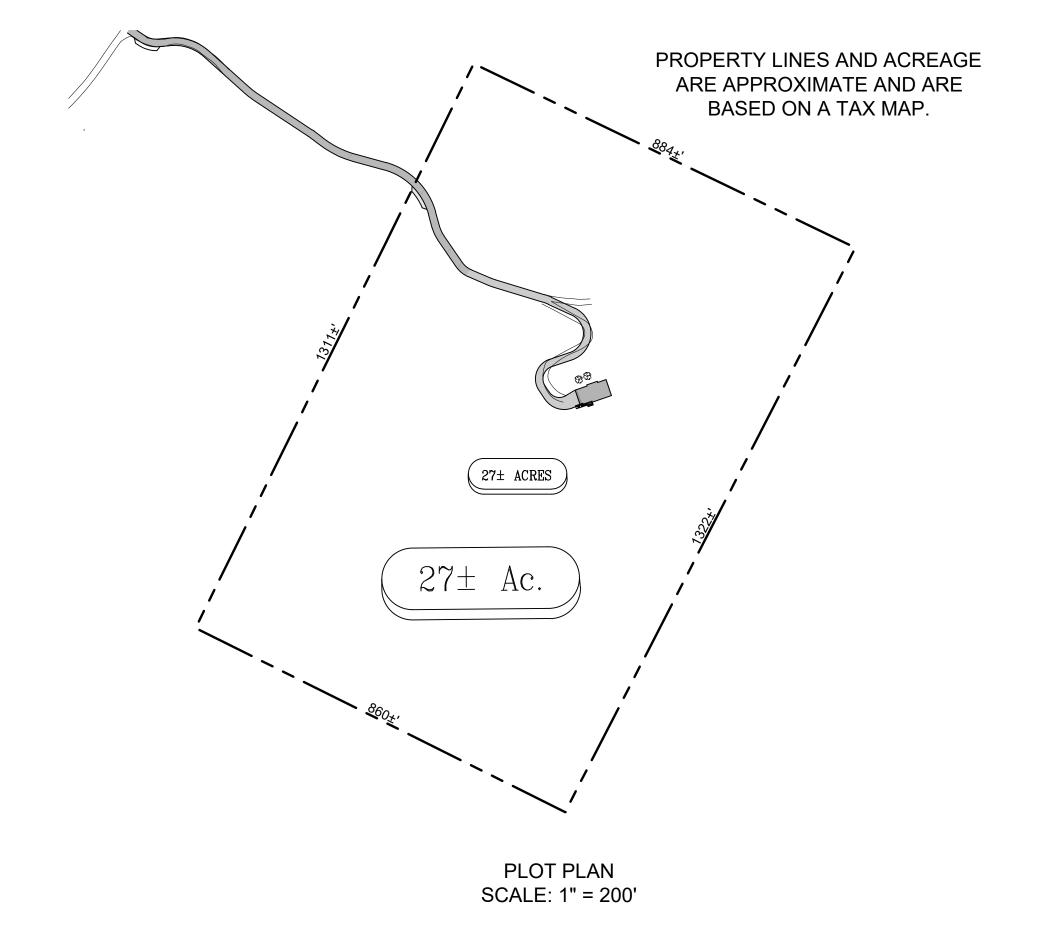


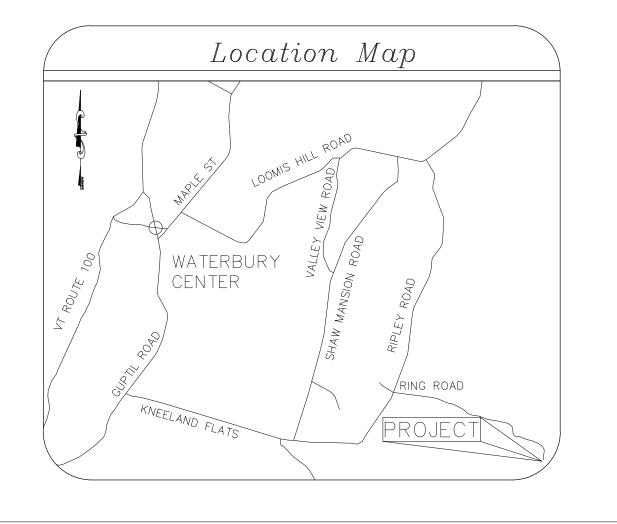
# Exhibit D2

### 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:

		SEPTIC	
ITEM	LEACHFIELD	TANK	SEWER
DRILLED WELL	SEE PLAN	50	50
SPRING	SEE PLAN	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







GARY & TRACY WALEKO

PROPOSED SINGLE FAMILY RESIDENCE IN RHS-MAJOR RING ROAD WATERBURY, VT

SITE PLAN - ORIGINAL GRADE

SCALE : 1" = 30' DESIGNED BY: GMJr PROJECT #40012A DRAWN BY: WDB

WATERBURY, VERMONT 05676

CHECKED BY: GMJr ENGINEER:

GEORGE N. McCAIN Jr., P.E. VT P.E. 92506

CONTRACTOR TO CONTACT DIG-SAFE AND VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

Dial 811, or

888-Dig-Safe

www.digsafe.com

Y:\Cadd\40000's\40012A\dwg\40012A 20230316\_recover.dwg

FOR THE FILING OF SURVEY PLATS.

THAT REVIEW.

THIS IS NOT A SURVEY. THIS PLAN DOES NOT

MEET THE REQUIREMENTS OF 27 VSA SEC. 1403

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

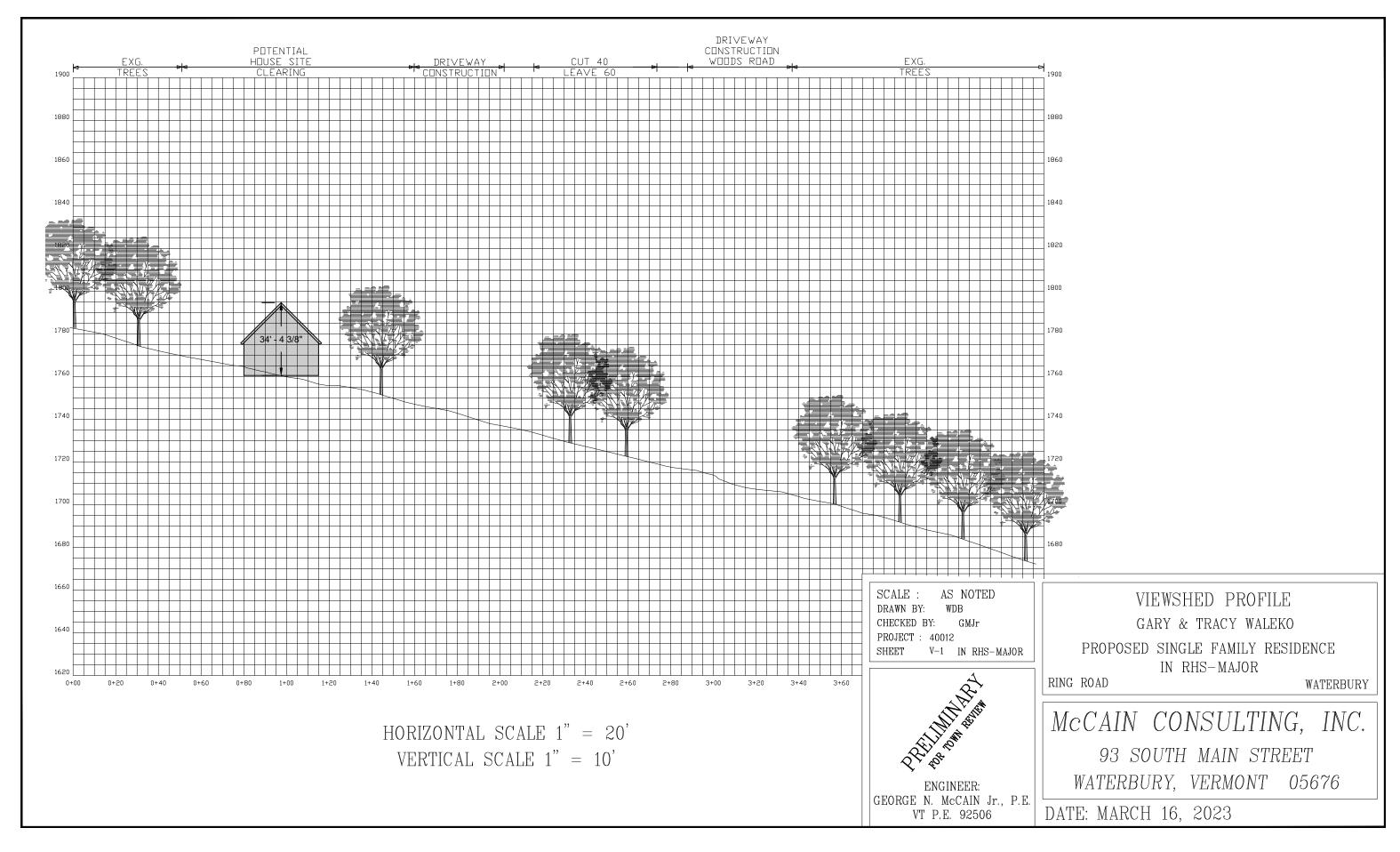
DATE: MARCH 16, 2023

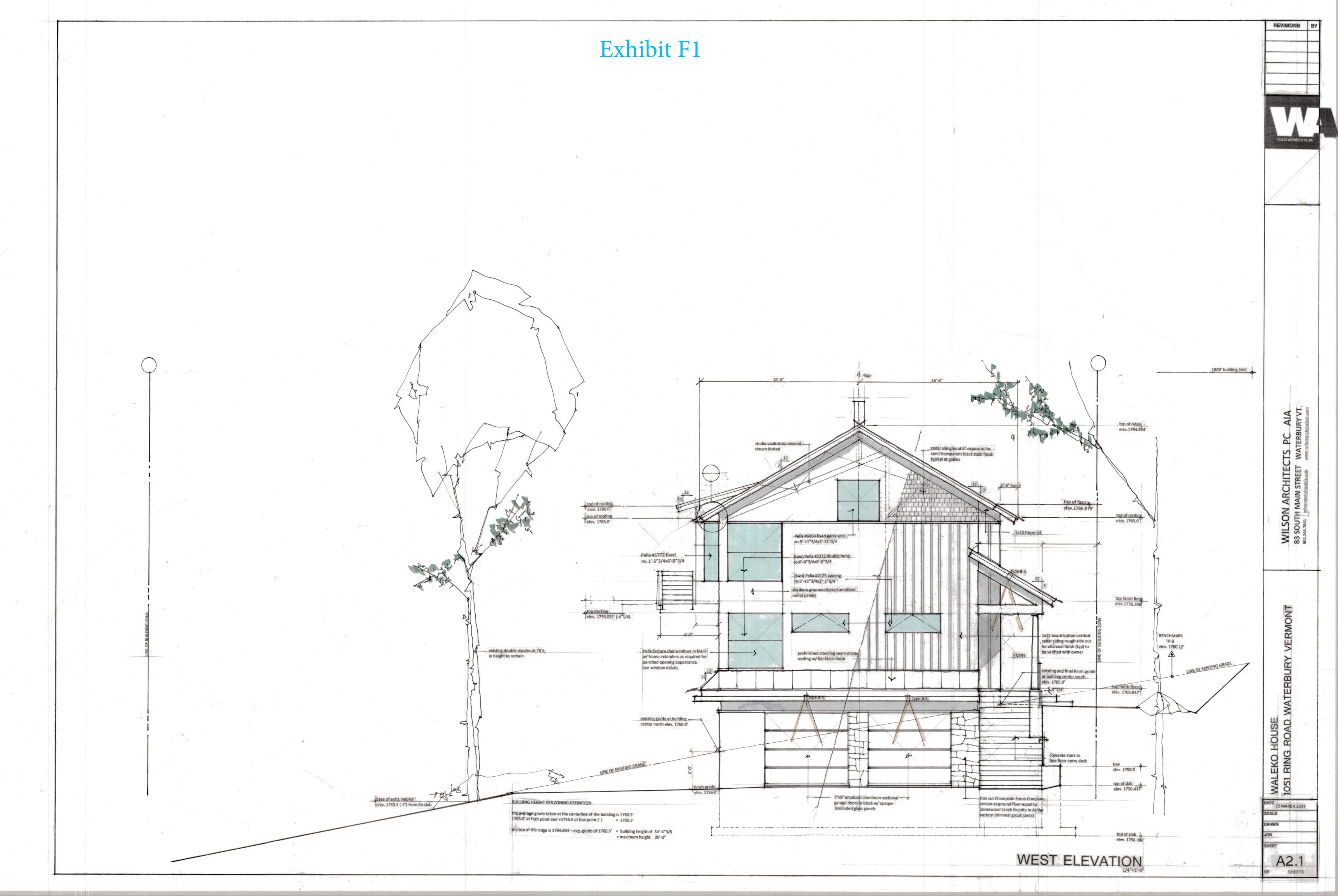
SHEET DC-2

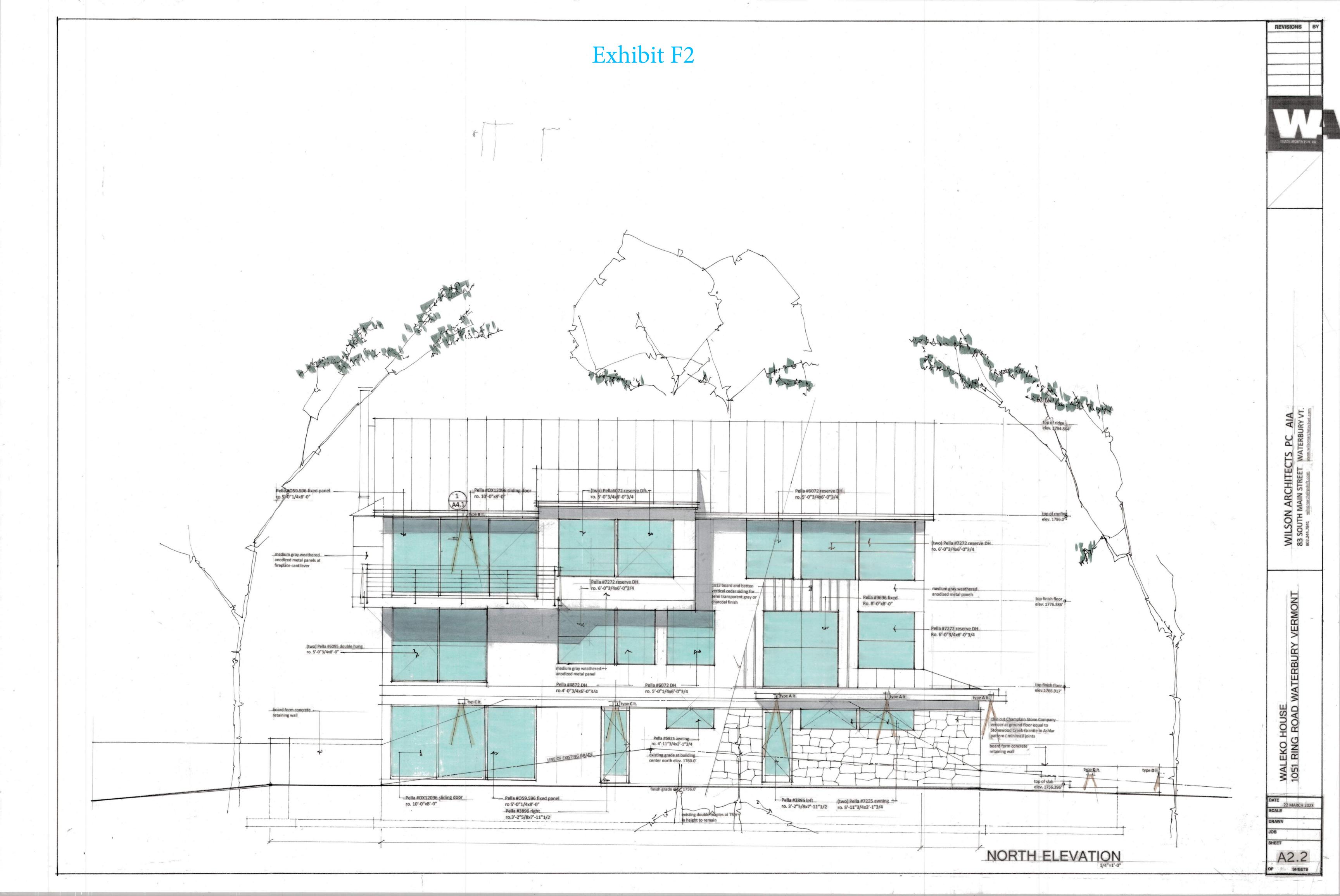
McCAIN CONSULTING, INC.

93 SOUTH MAIN STREET

# Exhibit E







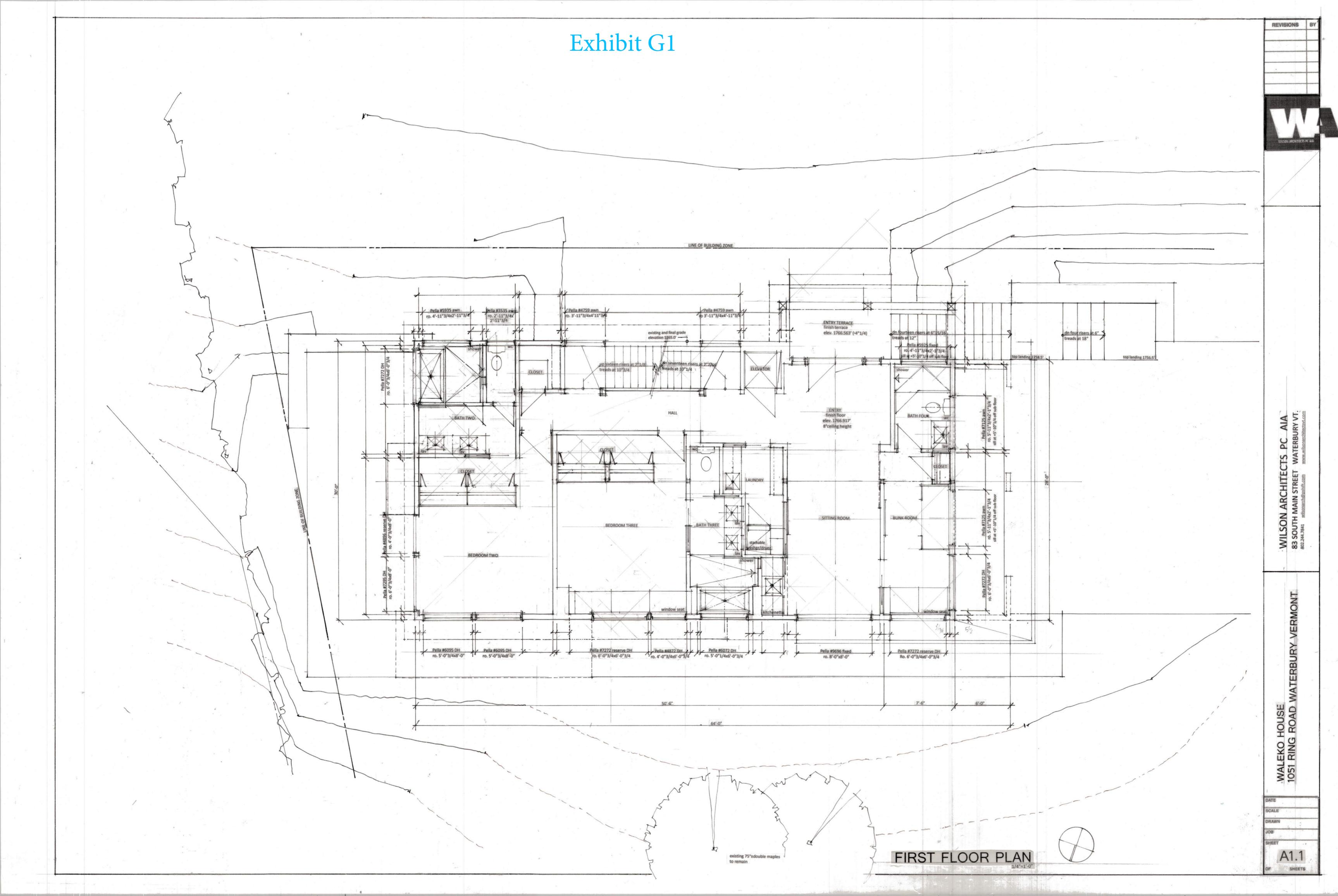
MILSON ARCHITECTS PC AIA

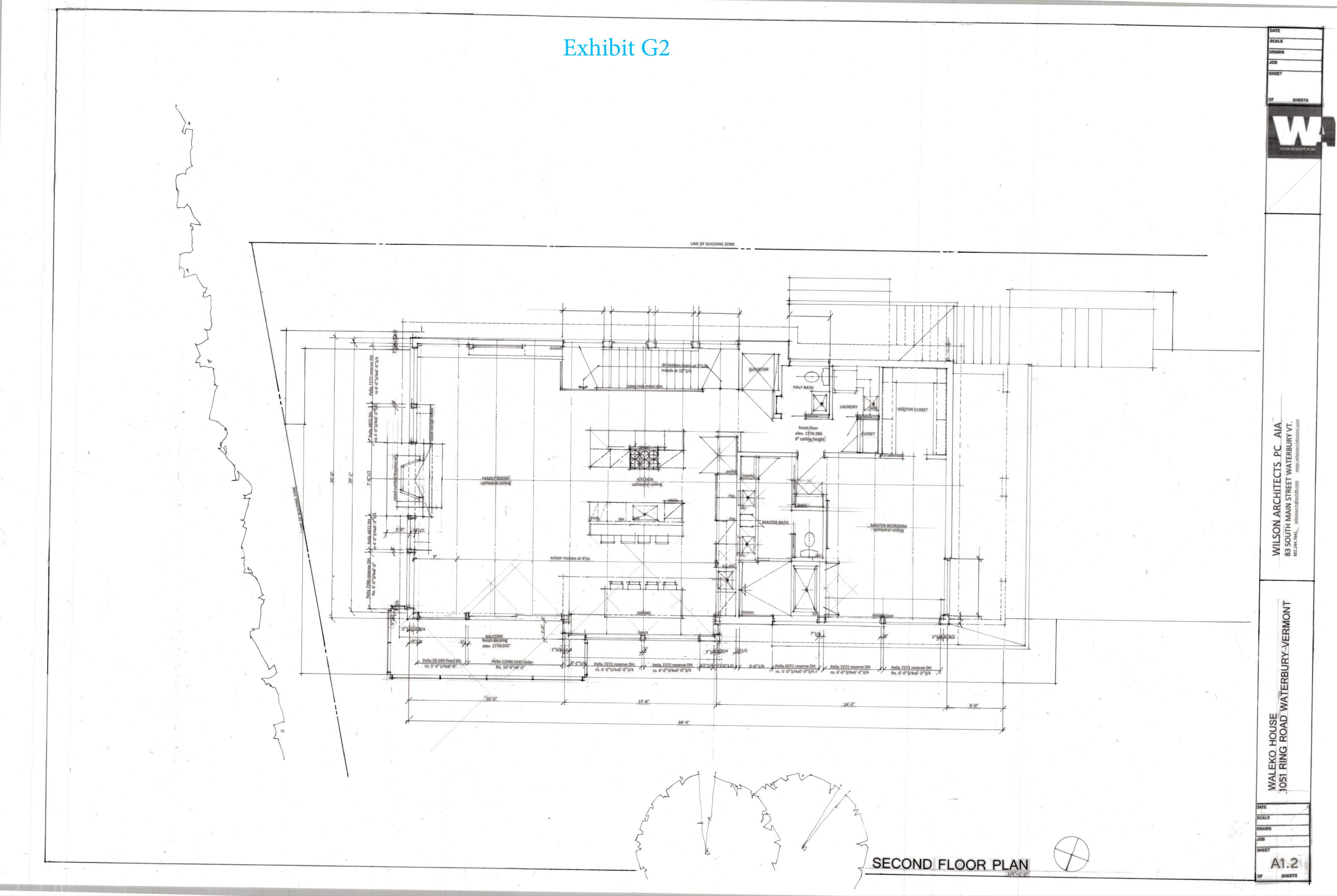
WILSON ARCHITECTS PC AIA
83 SOUTH MAIN STREET WATERBURY VT.
802,244.7841 wilsonarch@pshift.com www.wilsonarchitectsvt.com

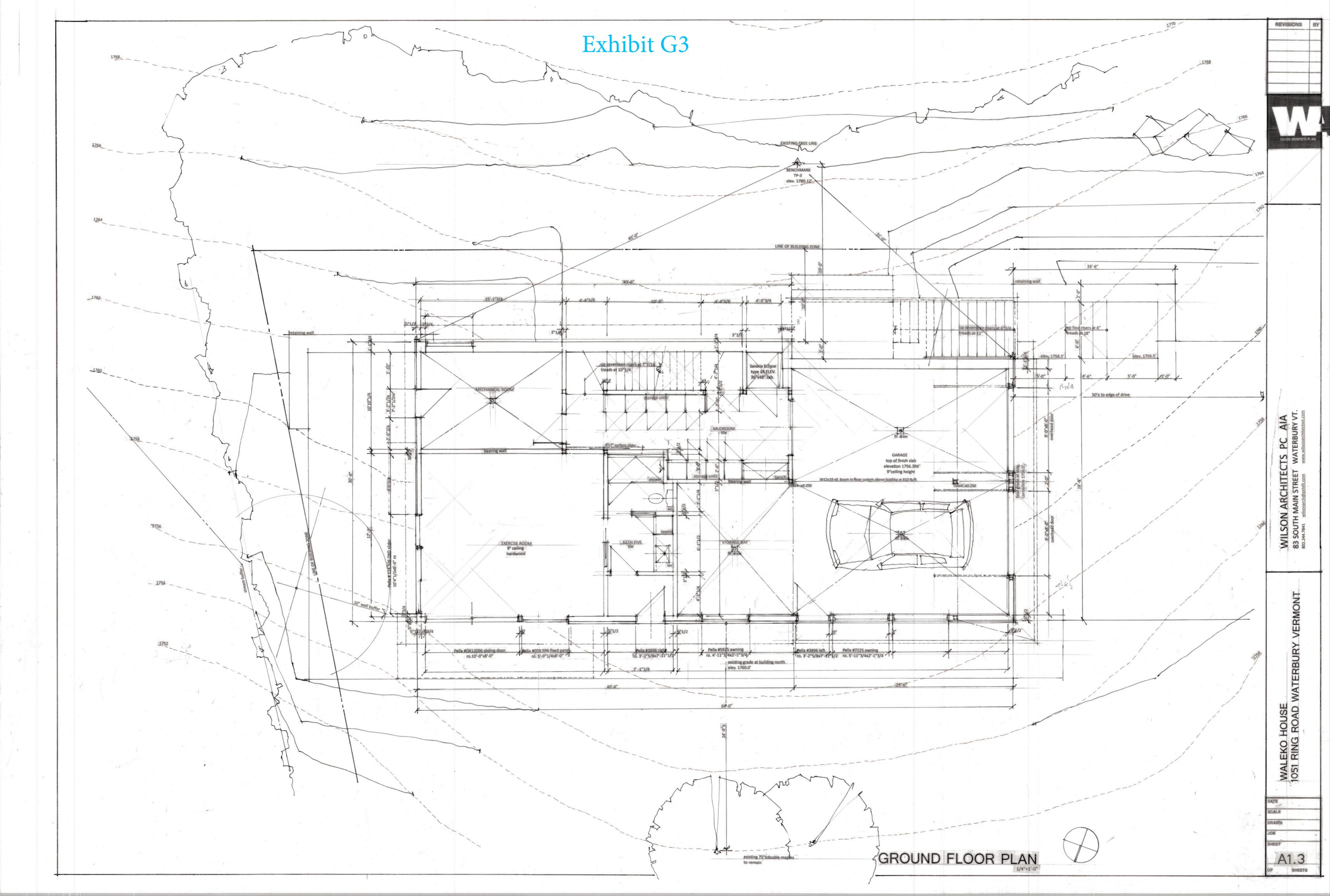
1051 RING ROAD WATERBURY VERMONT

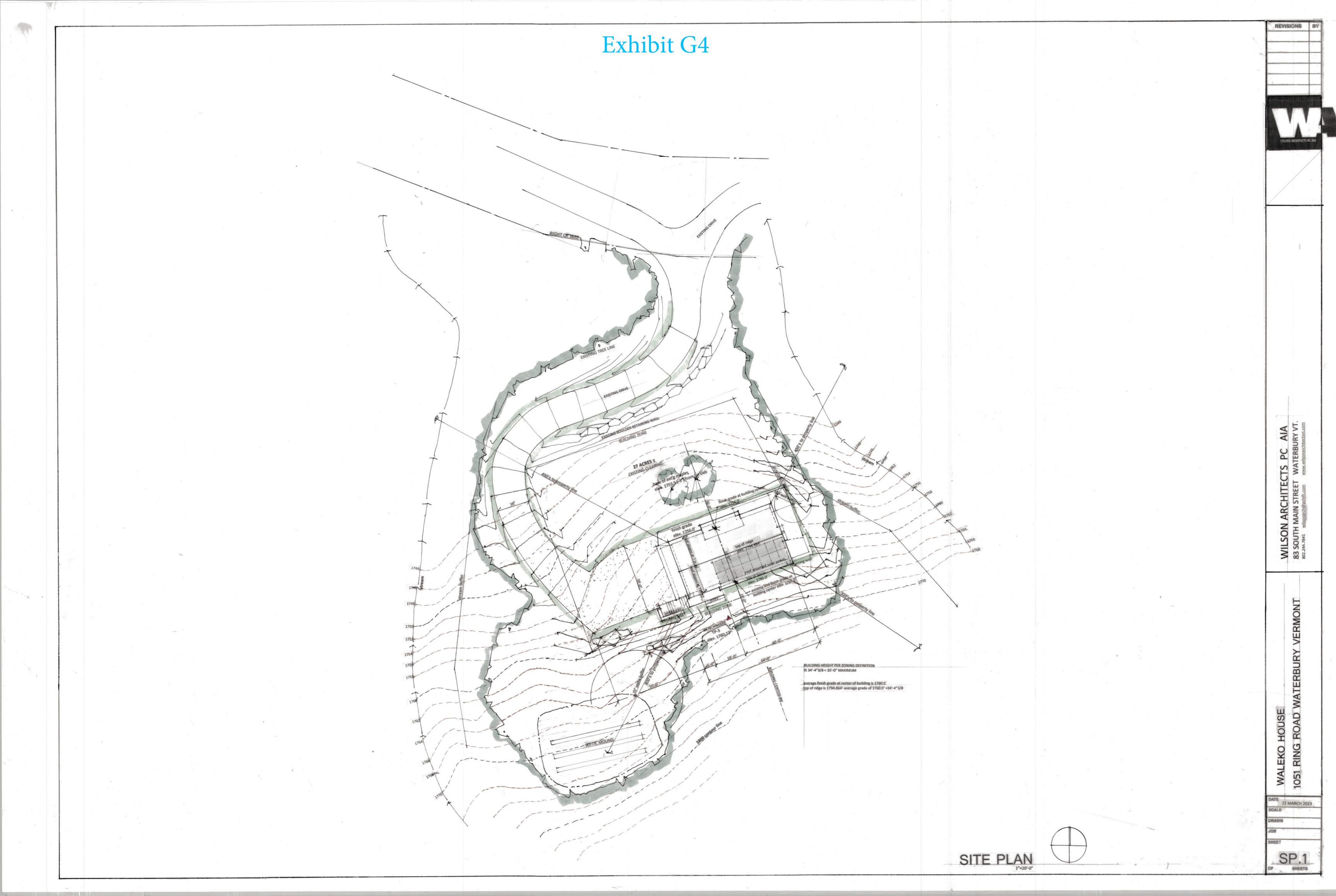
DATE
22 MARCH 2023
SCALE
DRAWN
JOB
SHEET

A2.3









## R4RD2T, R4SD2T

4.5" Volta - Downlight Trim





xture Type:	RREUBS	SOFFIT

Catalog Number:

Location:

#### PRODUCT DESCRIPTION

Volta LED downlight series represents an innovation in design and technology for architectural lighting. This high lumen and adaptable family of fixtures with a comprehensive set of round and square fittings, affords a sustainable solution for commercial, corporate, and upscale residential applications.

#### **FEATURES**

- · 2" lens regress for superior glare control
- · Field selectable light engine height for cut-off angle adjustment (30° - 34°) and accessory use
- · Integral patterned tempered trim lens included standard
- · Compatible with wide range of accessories
- · 5 year WAC Lighting product warranty

#### **SPECIFICATIONS**

Construction: Durable die-cast self flanged aluminum construction

Universal 120 - 277V AC 50/60 Hz

Dimming:

Electronic Low Voltage (ELV): 100%-5%

0-10V: 100%-0%

Lutron Hi-Lume 1% Ecosystem Fade-to-Black option

Light Source: High output 3-step Mac Adam Ellipse COB

Rated life of 50,000 hours at L70

Mounting:

Heavy gauge retention clips support trim firmly. Safety cabling standard.

Ceiling cut out (Round): Ø 5 1/8" Ceiling cut out (Square): 5 1/8" x 5 1/8" Accomodates 1/2 "- 1 1/2" ceiling thickness

Finish:

Electrostatically powder coated White, Black. Enamel coated Haze.

Plated and brushed copper Bronze.

Standards:

ETL & cETL Wet location Listed, Energy Star® 2.0, Title 24 JA8-2016

Compliant

#### TRIMS (ORDER HOUSING SEPARATELY)

				Re	ference C	Output*						
Model			n Angle	Lumens	CBCP	Lumen/Watt	Color	emp	CRI	Finishes	Reflector/Trim	
6%e*	R4RD2T Round	S N F W	15° 25° 45° 60°	1405 3145 3025 2895	11420 9615 5005 3125	65 94 90 85	827 927 830	2700K 2700K 3000K	85 90 85	BK BKWT CB	Black Black/White Copper Bronze	
1	R4SD2T Square	S N F	15° 25° 45° 60°	1440 3350 3200 3060	11985 9820 4935 3055	66 99 95 90	930 835 840	3000K 3500K 4000K	90 85 85	HZ HZWT WT	Haze Haze/White White	

<sup>\*</sup>Reference output shows 830(85CRI 3000K) trim with 36 housing. Use multiplier table below to determine the output for other combinations.

NA. data	lta.			TR	IM		
Multiplier		827	927	830	930	835	840
	36	0.95	0.81	1.00	0.86	1.05	1.07
HOUSING	25	0.66	0.56	0.69	0.59	0.73	0.74
	15	0.43	0.37	0.45	0.39	0.48	0.49

R4 D2T-

Example: R4RD2T-S827-HZWT

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Please see next page for housing units(required)

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Central Distribution Center 1600 Distribution Ct Lithia Springs, GA 30122

## R4RD2T, R4SD2T

## WAC LIGHTING

4.5" Volta - Downlight Trim

Responsible Lighting®

	Model	Power*	s	N, F, W	Rating	Driver .		Emergency Backup
Round New Construction , 19/6" (EM option)  65/4"	R4RNT Airtight R4RCT Airtight, Chicago Plenum	15 25 36	10W 15W 22W	15W 23W 34W	IC rated IC rated Non-IC	DEFAULT L1.	ELV, 0-10V Lutron Hi-Lume 1%	ЕМ
Square New Construction 13½6" (EM option)  656" 13½6" 13½6" - 7½5" -	R4SNT Airtight R4SCT Airtight, Chicago Plenum	15 25 36	10W 15W 22W	15W 23W 34W	IC rated IC rated Non-IC	DEFAULT L1	ELV. 0-10V Lutron Hi-Lume 1%	EM
Remode!  194"  194"  1	R4BRT Round or Square	15 25 36	10W 15W 22W	15W 23W 34W	Non-IC Non-IC Non-IC	DEFAULT	ELV, 0-10V	N/A

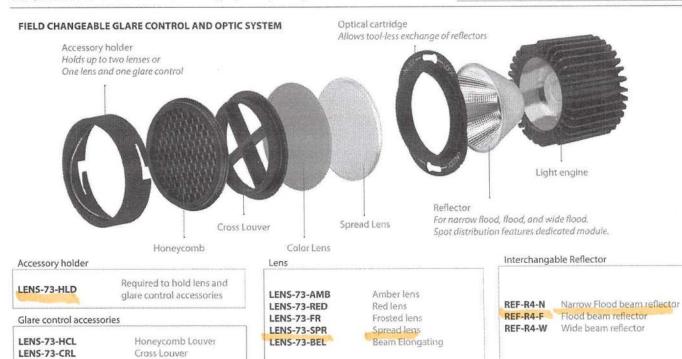
<sup>\*</sup>Power consumption depends on beam angle of the trim.

R4

Example: R4RNT-15 or R4RNT-15EM (with Emergency backup battery)

#### Field Replaceable Driver

D-R4N-15 Driver for 15W New Construction Hsg D-R4N-25 Driver for 23W New Construction Hsg D-R4N-36 Driver for 34W New Construction Hsg



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## R4RAT, R4SAT

4.5" Volta - Adjustable Trim





Fixture Type:	XO.	PECES	TORCH / 40	P
Catalog Numbe	r:	4		
Project: WA	LEKO	9		
Location:	VOR			

#### PRODUCT DESCRIPTION

Volta LED downlight series represents an innovation in design and technology for architectural lighting. This high lumen and adaptable family of fixtures with a comprehensive set of round and square fittings, affords a sustainable solution for commercial, corporate, and upscale residential applications.

- · Dual finishes are single piece, no physical seams
- · Center beam alignment retained throughout adjustment range
- · 0-45° vertical and 365° horizontal lockable hot aiming
- · Indexed vertical scaling for precise and accurate alignment
- · Integral patterned tempered trim lens included standard
- · Compatible with a wide range of accessories
- · 5 year WAC Lighting product warranty

#### **SPECIFICATIONS**

Construction: Durable die-cast self flanged aluminum construction

Input:

Universal 120 - 277V AC 50/60 Hz

Dimming:

Electronic Low Voltage (ELV): 100%-5%

0-10V: 100%-0%

Lutron Hi-Lume 1% Ecosystem Fade-to-Black option

Light Source: High output 3-step Mac Adam Ellipse COB

Rated life of 50,000 hours at L70

Mounting:

Heavy gauge retention clips support trim firmly. Safety cabling standard.

Ceiling cut out (Round): Ø 5 1/8"

Ceiling cut out (Square): 5 1/8" x 5 1/8"

Accomodates ceiling thickness of 1/2 "- 1" up to 45°, 1 1/2" up to 35°

Finish:

Electrostatically powder coated White, Black. Enamel coated Haze.

Plated and brushed copper Bronze.

TRIMS (ORDER HOUSING SEPARATELY)

Standards: ETL & cETL Wet location Listed, Title 24 JA8-2016 Compliant

				Re	eference	Output*						
Model	Bear		m Angle	Lumens	umens CBCP	Lumens/Watt	Color Temp		CRI	Finishes	Reflector/Trim	
61/6" max ——41/2"————————————————————————————————————	R4RAT Round	S N F	15° 25° 40°	1215 2340 2085	10910 9250 4720	56 69 63	827 927 830	2700K 2700K 3000K	85 90 85	BK BKWT CB	Black Black/White Copper Bronze	
67/s" max 	<b>R4SAT</b> Square	S N F	15" 20° 40°	1140 1960 1770	9175 8340 4495	53 57 52	930 835 840	3000K 3500K 4000K	90 85 85	HZ HZWT WT	Haze/White White	

\*Reference output shows 830(85CRI 3000K) trim with 36 housing. Use multiplier table below to determine the output for other combinations.

Multipl	la.			TR	MI		
Mulup	lier.	827	927	830	930	835	840
	36	0.95	0.81	1.00	0.86	1.05	1.07
HOUSING	25	0.66	0.56	0.69	0.59	0.73	0.74
	15	0.43	0.37	0.45	0.39	0.48	0.49

R4 AT-

Example: R4RAT-S827-HZWT

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Please see next page for housing units(required)

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## **R4RAT, R4SAT**

## WAC LIGHTING

4.5" Volta - Adjustable Trim

Responsible Lighting®

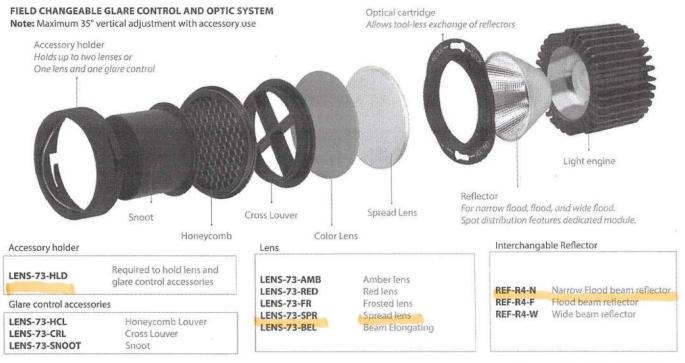
	Model	Power*	S	N, F	Rating	Driver -		Emergency Backup
131/6" (EM option)	R4RNT Airtight R4RCT Airtight, Chicago Plenum	15 25 36	10W 15W 22W	15W 23W 34W	IC rated IC rated- Non-IC	DEFAULT L1	ELV, 0-10V Lutron Hi-Lume 1%	EM
131/46" (EM option)	R4SNT Airtight R4SCT Airtight, Chicago Plenum	15 25 36	10W 15W 22W	15W 23W 34W	IC rated IC rated Non-IC	DEFAULT L1	ELV, 0-10V Lutron Hi-Lume 1%	EM
3%8" — 24" — 24" —	R4BRT Round or Square	15 25 36	10W 15W 22W	15W 23W 34W	Non-IC Non-IC Non-IC	DEFAULT	ELV, 0-10V	N/A
	7%" - 7%" -	R4RNT Airtight  R4RCT Airtight, Chicago Plenum  R4SNT Airtight  R4SNT Airtight  R4SCT Airtight  R4SCT Airtight, Chicago Plenum  R4SNT Airtight  R4SCT Airtight, Chicago Plenum	R4RNT Airtight  15 25 36  R4SNT Airtight, Chicago Plenum  18 18 18 18 18 18 18 18 18 18 18 18 18	R4RNT Airtight  15 10W 25 15W 36 22W  13V <sub>16</sub> 15 10W 25 15W 36 22W  13V <sub>16</sub> 15 10W 25 15W 36 22W  13V <sub>16</sub> 15 10W 25 15W 36 22W  15 10W 25 15W 36 22W  15 10W 25 15W 36 22W  15 10W 25 15W 36 22W	R4RNT Airtight  15 10W 15W 25 15W 23W 36 22W 34W  131/6  R4SNT Airtight  R4SNT Airtight  R4SCT Airtight, Chicago Plenum  15 10W 15W 25 15W 23W 34W  15 15 10W 15W 25 36 22W 34W  15 15 10W 15W 25 15W 23W 37/6  R4SCT Airtight, Chicago Plenum  15 15 10W 15W 25 15W 23W 37/6 37/6  R4BRT 15 10W 15W 25 15W 23W 37/6 37/6  R4BRT 25 15W 23W	19/6" (EM option)   R4RNT   15   10W   15W   15V   13W   13W   13W   15W   1	19/6" (EM option)   R4RNT   Airtight   15   10W   15W   1C rated   25   35W   23W   1C rated   22W   34W   Non-IC   13V/6"   R4SNT   Airtight   15   10W   15W   1C rated   22W   34W   Non-IC   13V/6"   R4SNT   25   15W   23W   1C rated   25   15W   23W   1C rated   25   22W   34W   Non-IC   25   25W   34W   Non-IC   25W   25W	13½6" R4RCT Airtight

<sup>\*</sup>Power consumption depends on beam angle of the trim.

R4

Example: R4RNT-15 or R4RNT-15EM (with Emergency backup battery)

D-R4N-15 Driver for 15W New Construction Hsg
D-R4N-25 Driver for 23W New Construction Hsg
D-R4N-36 Driver for 34W New Construction Hsg



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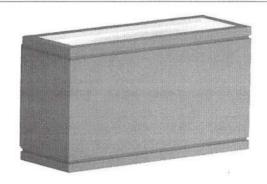
# C

## **RUBIX** - model: WS-W2509, WS-W2510

**LED Wall Mount** 

## WAC LIGHTING

Responsible Lighting®



Fixture Type:	WALL HIT	EXT.	
Catalog Numbe	:	,	
Project:	EKO		
Location:			

#### PRODUCT DESCRIPTION

Available in single- and twin-light configurations, this die cast aluminum LED wall luminaire is wet location listed for a broad range of exterior lighting applications. Designed with an oblong profile, this version of Rubix mounts upwards or downwards.

#### **FEATURES**

- · Energy Star\* rated
- · CEC Title 24 Compliant
- · Mounts Up or Down
- · IP65 Rated, ETL & cETL Wet Location Listed
- · Die-Cast Aluminum Construction
- · Universal Voltage Input (120V 277V)
- · Dimming: ELV (120V) or 0-10V
- · ADA Compliant

#### **SPECIFICATIONS**

Construction: Aluminum with etched glass.

Power: Integral driver in luminaire. 120V - 277V input.

Light Source: High output LED

Mounting: Mounts directly to junction box
Dimming: 0-10V Dimming: 100%-10%

ELV Dimming: 100%-15% (120V only)

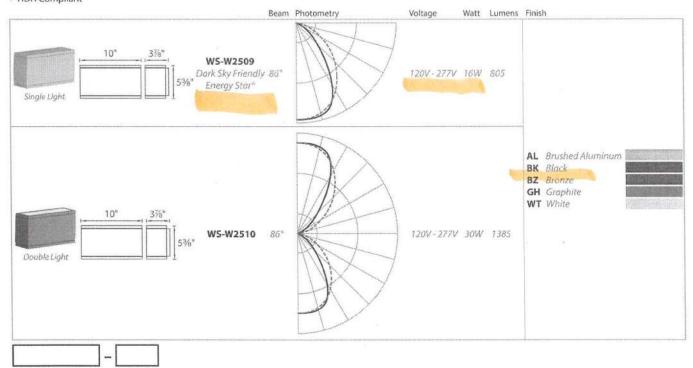
Finish: Brushed Aluminum (AL), Black (BK), Bronze (BZ), Graphite (GH), White (WT)

Color Temp: 3000K

CRI: 90

Rated Life: 70,000 hours

Standards: Energy Star\* rated, IP65 Rated, ETL & cETL Wet Location Listed, CEC Title 24 Compliant, Dark Sky Friendly, ADA Compliant



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Example: WS-W2510-GH

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#### **RECTANGLE STEP LIGHTS 12V**

4091



LANDSCAPE LIGHTING



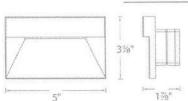


Catalog Number:

W/XIEK/

Location:

Project:



#### PRODUCT DESCRIPTION

Horizontal rectangle step light designed for safety and style on stairways, patios, decks, balcony areas, walkways and building perimeters.

Features an architectural design. Energy efficient for long-lasting outdoor lighting solutions. Creates an attractive, romantic impression at night.

#### **FEATURES**

- Corrosion resistant aluminum alloy
- · Geometric design with downward illumination
- Fits into 2" x 4" Junction Box with minimum inside dimensions of 3"L x 2"W x 2.5"D
- Magnetized design for easy installation and maintenance
- Protected against high-pressure water jets
- 100 10% MLV dimming
- · Landscape transformer required (sold separately)

#### SPECIFICATIONS

Input: 9-15VAC (Transformer is required)

**Power:** 2W / 3.1VA

Brightness Up to 3lm CRI: 90+

Standard: IP66, UL & cUL Rated Life: 60,000 hours

#### ORDERING NUMBER

		Color	or Temp CRI Finis				Lumens
					ВК	Black on Aluminum	3
		27	2700K	90	BZ	Bronze on Aluminum	3
					WT	White on Aluminum	3
					ВК	Black on Aluminum	3
4091	12V	30	3000K	00K 90 BZ Bronze on Aluminu	Bronze on Aluminum	3	
		V.			WT	White on Aluminum	3
					ВК	Black on Aluminum	3 3 3 3 610nm
		AM	Amber		BZ	Bronze on Aluminum	610nm
					WT	White on Aluminum	610nm

4091-\_\_

Example: 4091-30BK

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