



Development Application
Town of Stowe Zoning Department
PO Box 730
Stowe VT 05672
Voice (802) 253-6141

Project #
 (To be assigned)

Date Received:

This form serves as an application for all requested zoning and subdivision reviews.

Owner Information

Property Owner

TOWN OF STOWE

Mailing Street Address
 City, State and Zip

PO BOX 730, STOWE, VT

Phone Number

Day: 253 8770 Other phone or email: hshpard@stowevt.gov

Applicant/Contact Information (Relationship to Owner)

- Owner (If so, skip to site information) Lessee Contractor
- Architect/Designer Agent for Owner Under purchase contract

All information and correspondence is sent to applicant/contact.

Contact Name

HARRY SHEPARD

Company (if any)

STOWE PUBLIC WORKS

Mailing Street Address
 City, State and Zip

SAME AS ABOVE

Phone Number

Other/Email:

Site Information

Physical Address

REE PATH PARKING LOT

Business (if any)

Tax Map ID

Please briefly describe the project or request below:

INSTALL SITE LIGHTS TO SOUTH SIDE OF REE PATH PARKING TO PROVIDE MINIMAL LIGHTING TO ELIMINATE LARGE METAL HALIDE SPOT LIGHT ON UTILITY POLE BEHIND STOWE COMMUNITY CHURCH, TO BE REMOVED AS PART OF MAIN ST. UTILITY RELOCATION PROJECT

For All Approvals:

The below signed hereby agrees that the proposed work shall be done in accordance with the application, plan, specifications, and other associated documentation and that the work shall conform to all applicable town ordinances and regulations. Signing as an "Agent for Owner" indicates that the person signing has the permission of the owner to act on the owner's behalf. Additional permits may be needed from the State of Vermont and/or the Town of Stowe for development.

Indicate if:

- Property Owner OR
- Agent for Owner

Signature:

HARRY SHEPARD, PUBLIC WORKS DIRECTOR

Date: 8/27/20

Additional application information is required on reverse side: →

Note: Local Zoning approval does not cover any required state approvals. Wastewater System and Potable Water Supply permits may be required for construction or modifications that change the wastewater flow. Other State permits may be required for certain uses. The applicant is advised to contact a DEC Permit Specialist to discuss the State permit requirements at 802-505-5367.

| Construction Information | | | |
|--|--|--|-------------|
| A site plan showing the proposed development is required if construction is involved. The applicant is responsible for determining property lines and setbacks. <i>SITE LIGHTING PLAN</i> ✓ | | | |
| Please answer the questions below for all construction projects: | | | |
| Will there be a new curb cut (driveway opening)? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Will over 1/2 acre of land be graded or disturbed? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Will the development create an additional 1/2 acre of impervious surface? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Will there be other changes resulting in increased sewer or water flows? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Will there be a new connection to the Stowe sewage system? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Will there be a new connection to the Stowe water system? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Is any portion of the building rented out? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Is an Act 250 permit or amendment required? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Maximum Bldg. Height: <i>N/A</i> * Building Height is defined as the vertical distance measured from the average elevation of the proposed finished grade at the front or rear of the building to the highest point of the roof for flat and mansard roofs, and to the average height between eaves and ridge for other types of roofs. On sloping sites the height will be measured on the uphill side. | | | |
| Please answer the questions below for all projects involving residential dwellings: <i>N/A</i> | | | |
| Existing Rooms: | # Bathrooms: | # Bedrooms: | # Kitchens: |
| New Rooms: | # Bathrooms: | # Bedrooms: | # Kitchens: |
| Please complete the fee calculation below for all construction projects: | | | |
| Indicate new/additional gross floor area | Cost/Sq. Ft. | Fee Required | |
| Heated Enclosed Space: _____ sq ft | \$.20/sq. ft. | \$ | |
| Unheated Enclosed Space: _____ sq ft | \$.13/sq. ft. | \$ | |
| Unheated Unenclosed Space: _____ sq ft (such as decks and open porches) | \$.07/sq. ft. | \$ | |
| Structures other than buildings (such as ponds and tennis courts) (administrative approval) | \$50/structure | \$ | |
| Structures other than buildings (such as ponds and tennis courts) (Conditional use approval required) | \$100/structure | \$ | |
| Additional Recording Fee: | \$15 for permitted uses \$30 for conditional uses | \$ | |
| | Total Fee**: | \$ | |
| ** Minimum application fee for all construction (includes recording fee): Permitted Uses: \$60.00 Conditional Uses: \$250.00 | | | |
| Fee Schedule for Projects Not Involving Construction (all fees below include recording fee) | | | |
| For permitted uses not involving construction: \$60 | | | |
| For conditional uses not involving construction, appeals and variances: \$250 | | | |
| Administrative amendment of conditional uses: \$70 | | | |
| New signs: \$70 | | | |
| Certificate of Occupancy: \$55 (additional inspections if need after first: \$40) | | | |
| Subdivisions: | | | |
| Preliminary Layout Application (Base Fee): \$250 | | | |
| Preliminary Layout (Fee per lot if equal to and/or more than 5 lots): \$250/lot or unit | | | |
| Final Plat Application (Base Fee): \$250 | | | |
| Final Plat Application (additional fee per lot if preliminary layout was not required): \$100/lot or unit | | | |
| Minor Subdivision - Lot Line Adjustment: \$105 (includes recording fee for one map page) | | | |
| Final Plat Recording Fee (per map page): \$25 | | | |
| Payments should be made to the Town of Stowe. Payment can be made by cash, check, or with a credit card (Mastercard, Visa or Discover) or online. Go to www.townofstowevt.org/townclerk/ and click the link for online payments. Please note there is a 3% convenience fee for credit card payments. | | | |

| Luminaire Schedule (note fixture catalog numbers are not complete) | | | | | |
|--|-----|-------------|-------|------------|--------------------|
| Type | Qty | Lum. Lumens | LLF | Lum. Watts | Description |
| SA | 2 | 5272 | 0.900 | 53.66 | VP-S-24L-55-3K7-4W |
| SB | 2 | 5400 | 0.900 | 54 | VP-S-24L-55-3K7.4 |

| Calculation Summary | | | | | |
|---------------------|------|-----|-----|---------|---------|
| Label | Avg | Max | Min | Avg/Min | Max/Min |
| SITE | 0.55 | 3.0 | 0.0 | N.A. | N.A. |

NOTES:
 1) EXACT MOUNTING DETAILS TO BE DETERMINED AT JOBSITE BY OTHERS.
 2) CALCULATIONS MAY OR MAY NOT SHOW THE EFFECT OF SHADOWING CAUSED BY BUILDINGS AND OBJECTS WITHIN THE CALCULATED SPACE OR IN THE SITE AREA.
 3) REFRACTIONS ARE NOT CONSIDERED IN THIS CALCULATION.
 4) THIS CALCULATION IS BASED ON LIGHTING INFORMATION SUPPLIED BY OTHERS TO SWANEY LIGHTING ASSOCIATES AND STANDARD ASSUMPTIONS OF THE SPACE AND/OR SITE.
 5) CONFORMANCE TO CODES AND OTHER LOCAL REQUIREMENTS AS DETERMINED BY THE AHI ARE THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.
 6) THIS LAYOUT DRAWING MUST BE COORDINATED WITH THE SITE LOCATION FOR CORRECT PICTURE ORIENTATION.
 7) DOCUMENTS PRINTED OR PLOTTED FROM ELECTRONIC FILES MAY APPEAR AT OTHER THAN THE DESIRED OR ASSUMED GRAPHIC SCALES.
 8) IT IS THE RESPONSIBILITY OF THE DESIGNEE TO VERIFY THAT THE PRINTED OR PLOTTED 10-SCALE DRAWING IS PRINTED TO SCALE.



PLAN VIEW

TITLE: STOWE PUBLIC PARKING
 STOWE, VT
 SITE LIGHTING LAYOUT
 DATE: 6/10/2020
 DESIGNED BY: SWANEY LIGHTING ASSOCIATES, INC.
 CUSTOMER NAME: STOWE, VT
 SCALE: 3/8" = 1'-0"
 Page 1 of 1
 SWANEY LIGHTING ASSOCIATES, INC.
 100 W. MAIN ST., STOWE, VT 05672
 TEL: 802.253.2323
 FAX: 802.253.2323
 WWW.SWANEYLIGHTING.COM
 ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM SWANEY LIGHTING ASSOCIATES, INC.

VIPER S

SMALL VIPER LUMINAIRE

FEATURES

- Small size companion to Viper Large
- Wide choice of different LED wattage configurations
- Nine optical distributions
- Designed to replace HID lighting up to 400W MH or HPS
- Suitable for wet locations



*3000K and warmer CCTs only

CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Manufactured with die cast aluminum
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements
- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish
- The finish meets the AAMA 2604 performance specification which includes passing a 3,000-hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds
- External hardware is corrosion resistant

OPTICS

- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one-piece optical system
- One-piece silicone gasket ensures a weatherproof seal around each individual optic
- One-piece optical cartridge system consisting of an LED engine, optics, gasket and stainless steel bezel

INSTALLATION

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included

ELECTRICAL

- Luminaire accepts 100V through 277V, 347V or 480V input 50 Hz to 60 Hz (UNV)
- Power factor is $\geq .90$ at full load
- Dimming drivers are standard, but CD must be selected in options to obtain external wiring leads for dimming controls
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only
- Fixture electrical compartment contains all LED driver components
- Optional 7-pin ANSI C136.41-2013 Twist-Lock® photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices
- Ambient operating temperature -40°C to 25°C
- Surge protection: 20kA
- Lifeshield™ Circuit ([see Electrical Data](#))

CONTROLS

- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the motion response system reduces the wattage to factory preset level, reducing the light level accordingly. When motion is detected by the PIR sensor, the luminaire returns to full wattage and full light output. Please contact Beacon Products if project requirements vary from standard configuration

OPTICS STRIKE



RELATED PRODUCTS

[Viper Large](#)

CONTROLS (CONTINUED)

- Available with [Energeni](#) for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night
- In addition, Viper can be specified with [SiteSync™ wireless control system](#) for reduction in energy and maintenance costs while optimizing light quality 24/7

CERTIFICATIONS

- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Certified to UL 1598 and UL 8750
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. [Separate spec available online](#)

WARRANTY

- 5 year warranty
- See [HLI Commercial and Industrial Outdoor Lighting Warranty](#) for additional information

| KEY DATA | |
|----------------------------|-------------|
| Lumen Range | 5400–16,216 |
| Wattage Range | 55–136 |
| Efficacy Range (LPW) | 100–124 |
| Reported Life (Hours) | L70>60,000 |
| Input Current Range (Amps) | 0.1–1.1 |

VIPER S

SMALL VIPER LUMINAIRE

ORDERING GUIDE

Example: VPS-24L-55-4K7-4W-UNV-A-DB-TL-GENI-04-BC

CATALOG # _____

| VPS Series | LED Engine | CCT/CRI ⁷ | Distribution | Rotation | Voltage |
|-----------------|--|--|--|---|---|
| VPS Viper Small | 24L-55 55W, LED array 36L-65 65W, LED array 36L-80 80W, LED array 48L-110 110W, LED array 60L-136 136W, LED array | 3K7 3000K, 70 CRI 4K7 4000K, 70 CRI 5K7 5000K, 70 CRI | FR Type 1/Front Row 2 Type 2 3 Type 3 4F (formerly 4) Type 4 4W Type 4 Wide 5QM Type 5QM 5R Type 5R (rectangular) 5W Type 5W (round wide) TC Tennis Court | Blank No rotation L Optic rotation left ⁵ R Optic rotation right ⁵ | UNV 120-277V 347 347V 480 480V |

| Mounting | Color | Control Options | Options |
|---|---|--|--|
| A Rectangular Arm (formerly RA) for square or round pole MAF Mast Arm Fitter (formerly SF2) for 2 3/8" OD horizontal arm K Knuckle (formerly PK2) limit to 30° tilt or 2 3/8" OD horizontal arm or vertical tenon WB Wall Bracket AD Universal Arm for square pole AD3 Adapter for 2.4"-4.1" round pole AD4 Adapter for 4.2"-5.3" round pole AD5 Adapter for 5.5"-5.9" round pole AD6 Adapter for 6.0"-6.5" round pole | BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color | 7PR 7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others) 7PR-SC 7-Pin Receptacle w/Shorting Cap 7PR-TL 7-Pin Receptacle w/Twist-Lock® photo control SCP/_F Programmable Occupancy Sensor w/ daylight control ^{1,2,6} GENI-XX ENERGENI ³ SWP SiteSync Pre-Commission ^{1,4} SWPM_F SiteSync Pre-Commission w/ Sensor ^{1,2,4} | BC Backshield (available for FR, 2, 3, 4, 4W Optics) CD Continuous Dimming F Fusing TB Terminal Block |

House Side Shield Accessories

| | |
|--|---------------------------|
| <input type="checkbox"/> HSS/VP-S/90-FB/XXX | 90° shield front or back |
| <input type="checkbox"/> HSS/VP-S/90-LR/XXX | 90° shield left or right |
| <input type="checkbox"/> HSS/VP-S/270-FB/XXX | 270° shield front or back |
| <input type="checkbox"/> HSS/VP-S/270-LR/XXX | 270° shield left or right |
| <input type="checkbox"/> HSS/VP-S/360/XXX | Full shield |

Replace XXX with notation for desired finish color. Refer to page 8 for shield images.

Mounting Accessories

| | |
|--------------------------------------|---|
| <input type="checkbox"/> VPL-AD-RPA3 | 2.4"-4.1" Round Pole Adapter for AD arm |
| <input type="checkbox"/> VPL-AD-RPA4 | 4.2"-5.3" Round Pole Adapter for AD arm |
| <input type="checkbox"/> VPL-AD-RPA5 | 5.5"-5.9" Round Pole Adapter for AD arm |
| <input type="checkbox"/> VPL-AD-RPA6 | 6.0"-6.5" Round Pole Adapter for AD arm |

- Notes:
- Not available with other wireless control or sensor options
 - Specify mounting height; 8 = 8' or less, 40 = 9' to 40'
 - Specify routine setting code (example GENI-04). See [ENERGENI brochure](#) and [instructions](#) for setting table and options. Not available with sensor or SiteSync options
 - Specify group and zone at time of order. See www.hubbellighting.com/sitesync for further details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
 - Only available with FR, 2, 3, 4, 4W and 5R distributions
 - Order at least one SCP-REMOTE per project location to program and control the occupancy sensor

Accessories and Services (Ordered Separately)

| | |
|---------------------------------------|--|
| <input type="checkbox"/> SCP-REMOTE | Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor |
| <input type="checkbox"/> SWUSB* | SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node |
| <input type="checkbox"/> SWTAB* | Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node |
| <input type="checkbox"/> SWBRG | SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested |
| <input type="checkbox"/> SW7PR+ | SiteSync 7-Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC |
| <input type="checkbox"/> BIRD-SPIKE-3 | Bird Spikes |

* When ordering SiteSync at least one of these two interface options must be ordered per project.
 + Available as a SiteSync retrofit solution for fixtures with an existing 7-pin receptacle.

Hubbell Control Solutions — Accessories (Sold Separately)

| | |
|---|--|
| NX Distributed Intelligence™ | |
| <input type="checkbox"/> NXOFM-1R1D-UNV | On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC |
| wiSCAPE® Lighting Control | |
| <input type="checkbox"/> WIR-RME-L | On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC |

For additional information related to these accessories please visit www.hubbellcontrolsolutions.com. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

| | |
|------------|-----------|
| DATE: | LOCATION: |
| TYPE: | PROJECT: |
| CATALOG #: | |

VIPER S

SMALL VIPER LUMINAIRE

CONTROLS

SiteSync — Precommissioned Ordering Information:

When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [the SiteSync family page on our website](#) or contact Hubbell Lighting tech support at 864-678-1000.



SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: VP-L/80L-235/4K7/3/UNV/A/DB/SWP/ SiteSync only
 VP-L/80L-235/4K7/3/UNV/A/DB/SWPM-40F/ SiteSync with Motion Control

SiteSync 7-Pin Module:

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Does not interface with occupancy sensors



SW7PR

NX Distributed Intelligence™ Lighting Controls:

Supports both indoor and outdoor applications in a variety of deployment options: wired, wireless and hybrid. Integrates with and enables a wide array of luminaires including those with SpectraSync Color Tuning Technology.



| NX Integrated Controls Reference | | | | | | | | |
|----------------------------------|--------|-------------|------------|-----------|---------------------|---------------|----------------|----------------------------|
| NX Option | Sensor | Networkable | Scheduling | Occupancy | Daylight Harvesting | 0-10V Dimming | On/off Control | Bluetooth® App Programming |
| NX Networked – Wireless | | | | | | | | |
| NXOFM-1R1D-UNV | SCLNX | Yes | Yes | Yes | Yes | Yes | Yes | Yes, Bluetooth App |

wiSCAPE™:

Supports remote management, monitoring and metering of outdoor wireless lighting applications such as smart campuses, smart cities, parking lots, parking lots and roadways.



| wiSCAPE Reference | | | | | | | | |
|-----------------------------|-----------|-------------|------------|-----------|---------------------|---------------|----------------|----------------------------|
| wiSCAPE Option | Sensor | Networkable | Scheduling | Occupancy | Daylight Harvesting | 0-10V Dimming | On/off Control | Bluetooth® App Programming |
| Networked – Wireless | | | | | | | | |
| WIR-RME-L | WIR-RME-L | Yes | Yes | No | Yes | Yes | Yes | wiSCAPE Gateway |

VIPER S

SMALL VIPER LUMINAIRE

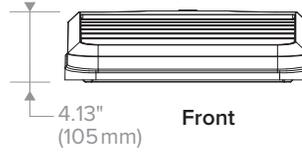
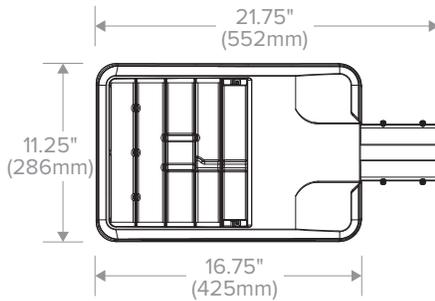
DELIVERED LUMENS

| # of LEDs | DRIVE CURRENT (mA) | SYSTEM WATTS | DISTRIBUTION TYPE | 5K (5000K nominal, 70 CRI) | | | | | 4K (4000K nominal, 70 CRI) | | | | | 3K (3000K nominal, 70 CRI) | | | | |
|-----------|--------------------|--------------|-------------------|----------------------------|-----|-------|-----|---|----------------------------|-----|-------|-----|---|----------------------------|-----|---|---|---|
| | | | | LUMENS | LPW | B | U | G | LUMENS | LPW | B | U | G | LUMENS | LPW | B | U | G |
| 24 | 700 mA | 55W | FR | 6357 | 118 | 1 | 0 | 1 | 6486 | 120 | 1 | 0 | 1 | 5804 | 107 | 1 | 0 | 1 |
| | | | 2 | 6132 | 114 | 1 | 0 | 1 | 6257 | 116 | 1 | 0 | 2 | 5599 | 104 | 1 | 0 | 1 |
| | | | 3 | 6015 | 111 | 1 | 0 | 2 | 6137 | 114 | 1 | 0 | 2 | 5492 | 102 | 1 | 0 | 2 |
| | | | 4 | 5921 | 110 | 1 | 0 | 2 | 6034 | 112 | 1 | 0 | 2 | 5400 | 100 | 1 | 0 | 2 |
| | | | 4W | 5793 | 108 | 1 | 0 | 2 | 5909 | 110 | 1 | 0 | 2 | 5272 | 98 | 1 | 0 | 2 |
| | | | 5QM | 6022 | 112 | 2 | 0 | 1 | 6145 | 114 | 2 | 0 | 1 | 5499 | 102 | 2 | 0 | 1 |
| | | | 5R | 6063 | 112 | 3 | 0 | 3 | 6187 | 115 | 3 | 0 | 3 | 5536 | 103 | 3 | 0 | 3 |
| | | | 5W | 5908 | 109 | 3 | 0 | 1 | 6028 | 112 | 3 | 0 | 1 | 5908 | 102 | 3 | 0 | 1 |
| TC | 6183 | 113 | 1 | 0 | 1 | 6309 | 118 | 1 | 0 | 1 | 5645 | 105 | 1 | 0 | 1 | | | |
| 36 | 560 mA | 65W | FR | 7864 | 121 | 1 | 0 | 1 | 8041 | 124 | 1 | 0 | 1 | 7189 | 111 | 1 | 0 | 1 |
| | | | 2 | 7586 | 117 | 1 | 0 | 2 | 7757 | 119 | 1 | 0 | 2 | 6934 | 107 | 1 | 0 | 2 |
| | | | 3 | 7441 | 114 | 1 | 0 | 2 | 7609 | 117 | 1 | 0 | 2 | 6802 | 105 | 1 | 0 | 2 |
| | | | 4 | 7317 | 110 | 1 | 0 | 2 | 7482 | 112 | 1 | 0 | 2 | 6688 | 100 | 1 | 0 | 2 |
| | | | 4W | 8690 | 108 | 1 | 0 | 2 | 8864 | 110 | 1 | 0 | 2 | 7908 | 98 | 1 | 0 | 2 |
| | | | 5QM | 7450 | 115 | 3 | 0 | 1 | 7618 | 117 | 3 | 0 | 1 | 6810 | 105 | 3 | 0 | 1 |
| | | | 5R | 7501 | 115 | 3 | 0 | 3 | 7670 | 118 | 3 | 0 | 3 | 6857 | 105 | 3 | 0 | 3 |
| | | | 5W | 7309 | 112 | 3 | 0 | 2 | 7473 | 115 | 3 | 0 | 2 | 6681 | 103 | 3 | 0 | 1 |
| 36 | 700 mA | 80W | FR | 9535 | 118 | 1 | 0 | 1 | 9730 | 120 | 1 | 0 | 1 | 8706 | 107 | 1 | 0 | 1 |
| | | | 2 | 9197 | 114 | 1 | 0 | 2 | 9385 | 116 | 1 | 0 | 2 | 8398 | 104 | 1 | 0 | 2 |
| | | | 3 | 9022 | 111 | 1 | 0 | 2 | 9206 | 114 | 1 | 0 | 2 | 8238 | 102 | 1 | 0 | 2 |
| | | | 4 | 8871 | 110 | 1 | 0 | 2 | 9052 | 112 | 1 | 0 | 2 | 8100 | 100 | 1 | 0 | 2 |
| | | | 4W | 11587 | 108 | 1 | 0 | 3 | 11819 | 110 | 1 | 0 | 3 | 10544 | 98 | 1 | 0 | 3 |
| | | | 5QM | 9033 | 112 | 3 | 0 | 1 | 9217 | 114 | 3 | 0 | 1 | 8248 | 102 | 3 | 0 | 1 |
| | | | 5R | 9095 | 112 | 3 | 0 | 3 | 9280 | 115 | 3 | 0 | 3 | 8304 | 103 | 3 | 0 | 3 |
| | | | 5W | 8861 | 109 | 3 | 0 | 2 | 9043 | 112 | 3 | 0 | 2 | 8092 | 100 | 3 | 0 | 2 |
| TC | 9275 | 115 | 1 | 0 | 1 | 9464 | 118 | 1 | 0 | 1 | 8468 | 105 | 1 | 0 | 1 | | | |
| 48 | 700 mA | 110W | FR | 12713 | 118 | 1 | 0 | 1 | 12973 | 120 | 2 | 0 | 1 | 11608 | 107 | 1 | 0 | 1 |
| | | | 2 | 12263 | 114 | 2 | 0 | 2 | 12513 | 116 | 2 | 0 | 2 | 11197 | 104 | 2 | 0 | 2 |
| | | | 3 | 12029 | 111 | 2 | 0 | 2 | 11275 | 114 | 2 | 0 | 2 | 10984 | 102 | 1 | 0 | 2 |
| | | | 4 | 11828 | 110 | 1 | 0 | 3 | 12069 | 112 | 1 | 0 | 3 | 10800 | 100 | 1 | 0 | 2 |
| | | | 4W | 14484 | 108 | 2 | 0 | 4 | 14774 | 111 | 2 | 0 | 4 | 13180 | 98 | 2 | 0 | 3 |
| | | | 5QM | 12044 | 112 | 3 | 0 | 2 | 12290 | 114 | 3 | 0 | 2 | 10997 | 102 | 3 | 0 | 1 |
| | | | 5R | 12126 | 112 | 3 | 0 | 3 | 12374 | 115 | 3 | 0 | 3 | 11072 | 103 | 3 | 0 | 3 |
| | | | 5W | 12126 | 109 | 4 | 0 | 2 | 12057 | 112 | 4 | 0 | 2 | 10789 | 100 | 4 | 0 | 2 |
| TC | 12366 | 115 | 1 | 0 | 2 | 12619 | 118 | 1 | 0 | 2 | 11290 | 105 | 1 | 0 | 2 | | | |
| 60 | 700 mA | 136W | FR | 15891 | 117 | 2 | 0 | 2 | 16216 | 120 | 2 | 0 | 2 | 14511 | 107 | 2 | 0 | 1 |
| | | | 2 | 15329 | 113 | 2 | 0 | 2 | 15642 | 116 | 2 | 0 | 2 | 13997 | 103 | 2 | 0 | 2 |
| | | | 3 | 15037 | 111 | 2 | 0 | 3 | 15344 | 113 | 2 | 0 | 3 | 13730 | 101 | 2 | 0 | 3 |
| | | | 4 | 14784 | 109 | 1 | 0 | 3 | 15086 | 111 | 1 | 0 | 3 | 13500 | 100 | 1 | 0 | 3 |
| | | | 4W | 14802 | 109 | 2 | 0 | 3 | 15104 | 112 | 2 | 0 | 3 | 13515 | 100 | 2 | 0 | 3 |
| | | | 5QM | 15055 | 111 | 3 | 0 | 2 | 15362 | 114 | 3 | 0 | 2 | 13747 | 102 | 3 | 0 | 2 |
| | | | 5R | 15158 | 112 | 4 | 0 | 4 | 15469 | 114 | 4 | 0 | 4 | 13841 | 102 | 4 | 0 | 4 |
| | | | 5W | 14781 | 109 | 4 | 0 | 2 | 15083 | 111 | 4 | 0 | 2 | 13495 | 100 | 4 | 0 | 2 |
| TC | 15458 | 115 | 1 | 0 | 2 | 15834 | 118 | 1 | 0 | 2 | 14113 | 105 | 1 | 0 | 2 | | | |

VIPER S

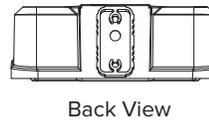
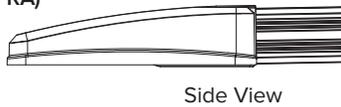
SMALL VIPER LUMINAIRE

DIMENSIONS

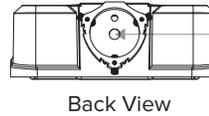
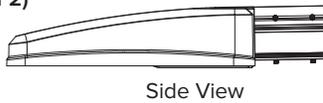


| | |
|--------|----------------------|
| Weight | 15.0 lbs (6.8 kg) |
| EPA | .67 ft ² |

A Arm (formerly RA)

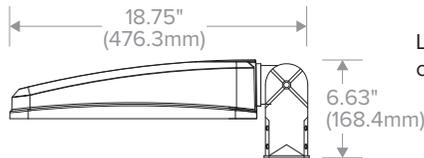


MAF (formerly SF2)



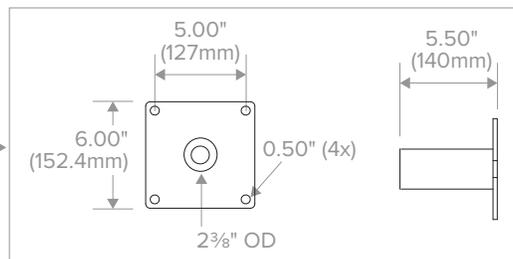
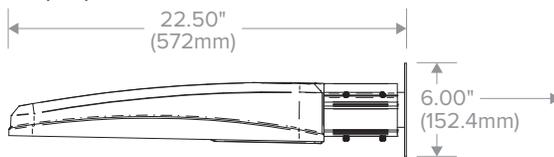
Accepts 2 3/8" OD tenon, min 5" long.

2 3/8" Adjustable Knuckle (K) (formerly PK2)

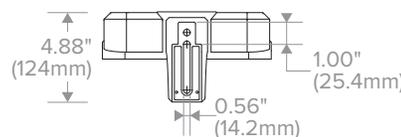
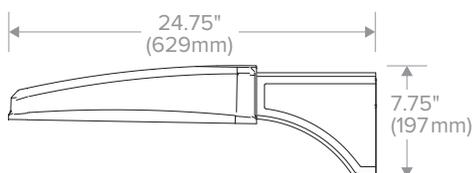


Limit to 30° tilt. Sensor, photocell and wireless controls should not be tilted above horizontal.

Wall Bracket (WB)



AD Decorative Arm



See page 9 for mounting details.

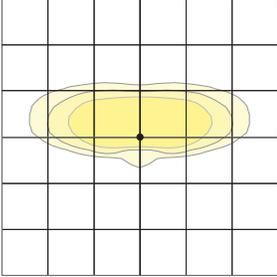
VIPER S

SMALL VIPER LUMINAIRE

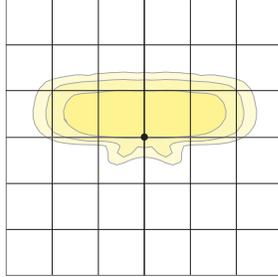
PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see [website photometric test reports](#).

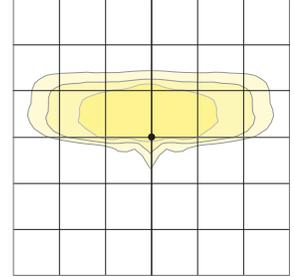
Type FR – Front Row/Auto Optic



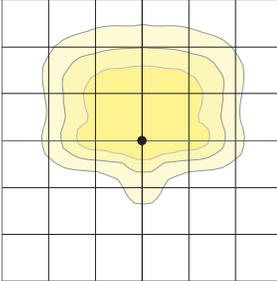
Type 2



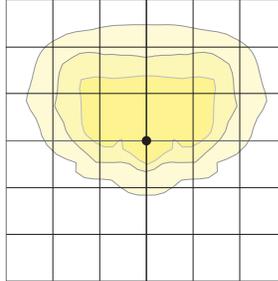
Type 3



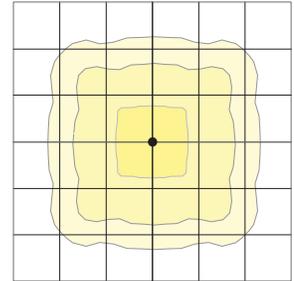
Type 4



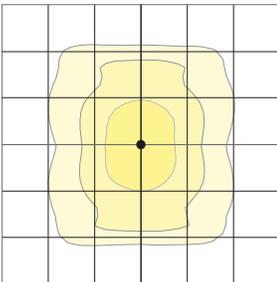
Type 4 Wide



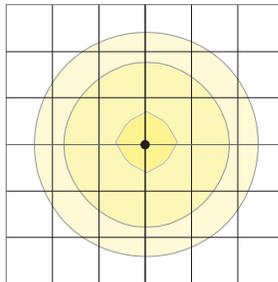
Type 5QM



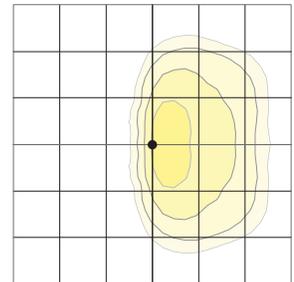
Type 5R (rectangular)



Type 5W (round wide)



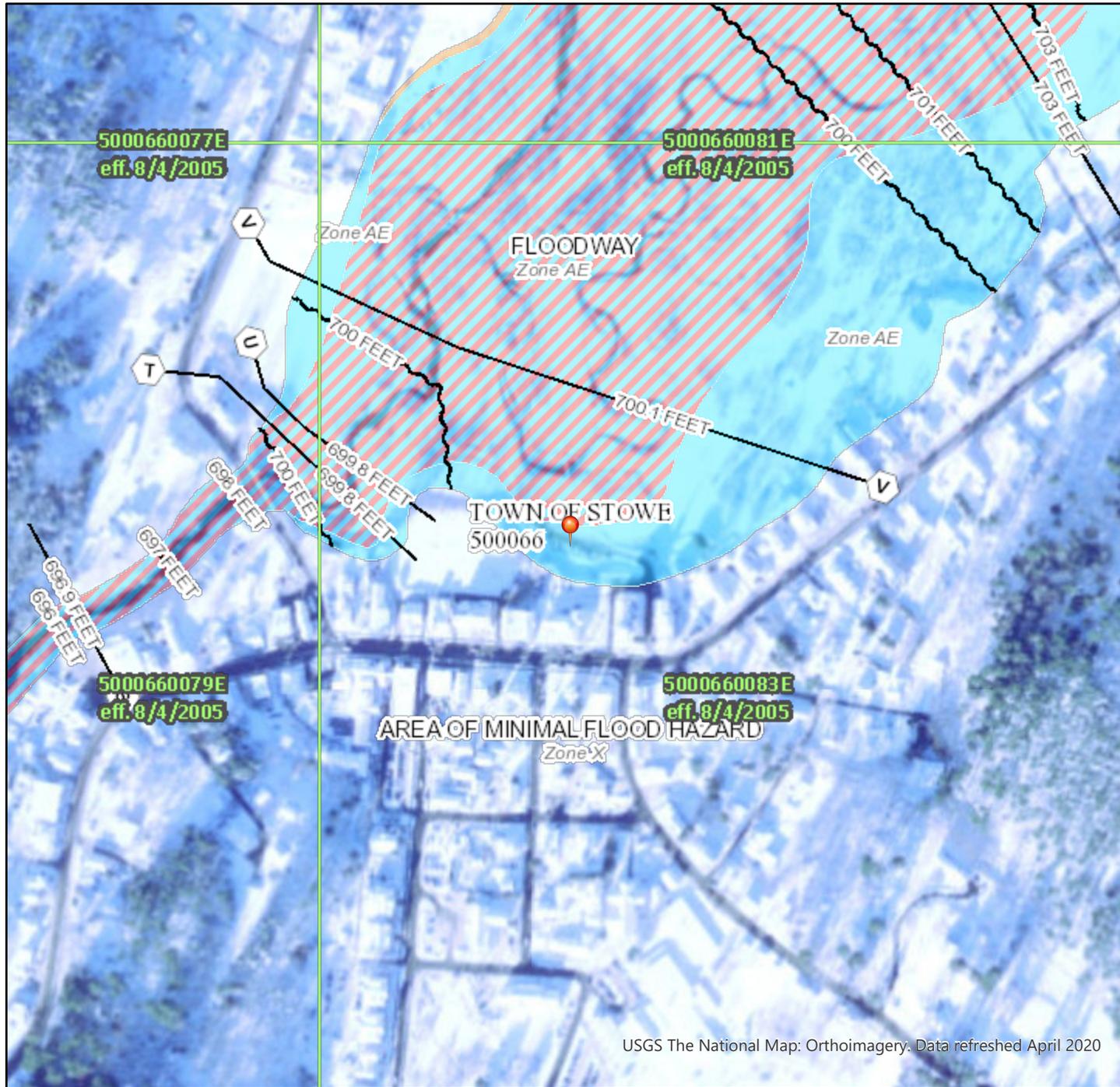
Type TC



National Flood Hazard Layer FIRMette



72°41'25"W 44°28'11"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

| | | |
|----------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE) Zone A, V, A99 |
| | | With BFE or Depth Zone AE, AO, AH, VE, AR |
| | | Regulatory Floodway |

| | | |
|-----------------------------|--|---|
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
| | | Future Conditions 1% Annual Chance Flood Hazard Zone X |
| | | Area with Reduced Flood Risk due to Levee. See Notes. Zone X |
| | | Area with Flood Risk due to Levee Zone D |

| | | |
|-------------|--|---|
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard Zone X |
| | | Effective LOMRs |

| | | |
|-------------|--|--|
| OTHER AREAS | | Area of Undetermined Flood Hazard Zone D |
|-------------|--|--|

| | | |
|--------------------|--|----------------------------------|
| GENERAL STRUCTURES | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |

| | | |
|----------------|--|---|
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | 17.5 Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |

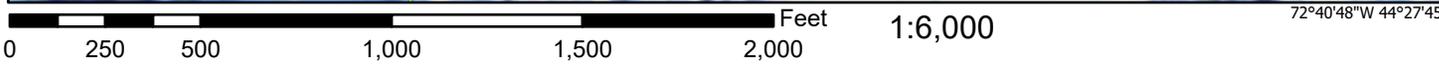
| | | |
|------------|--|---------------------------|
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

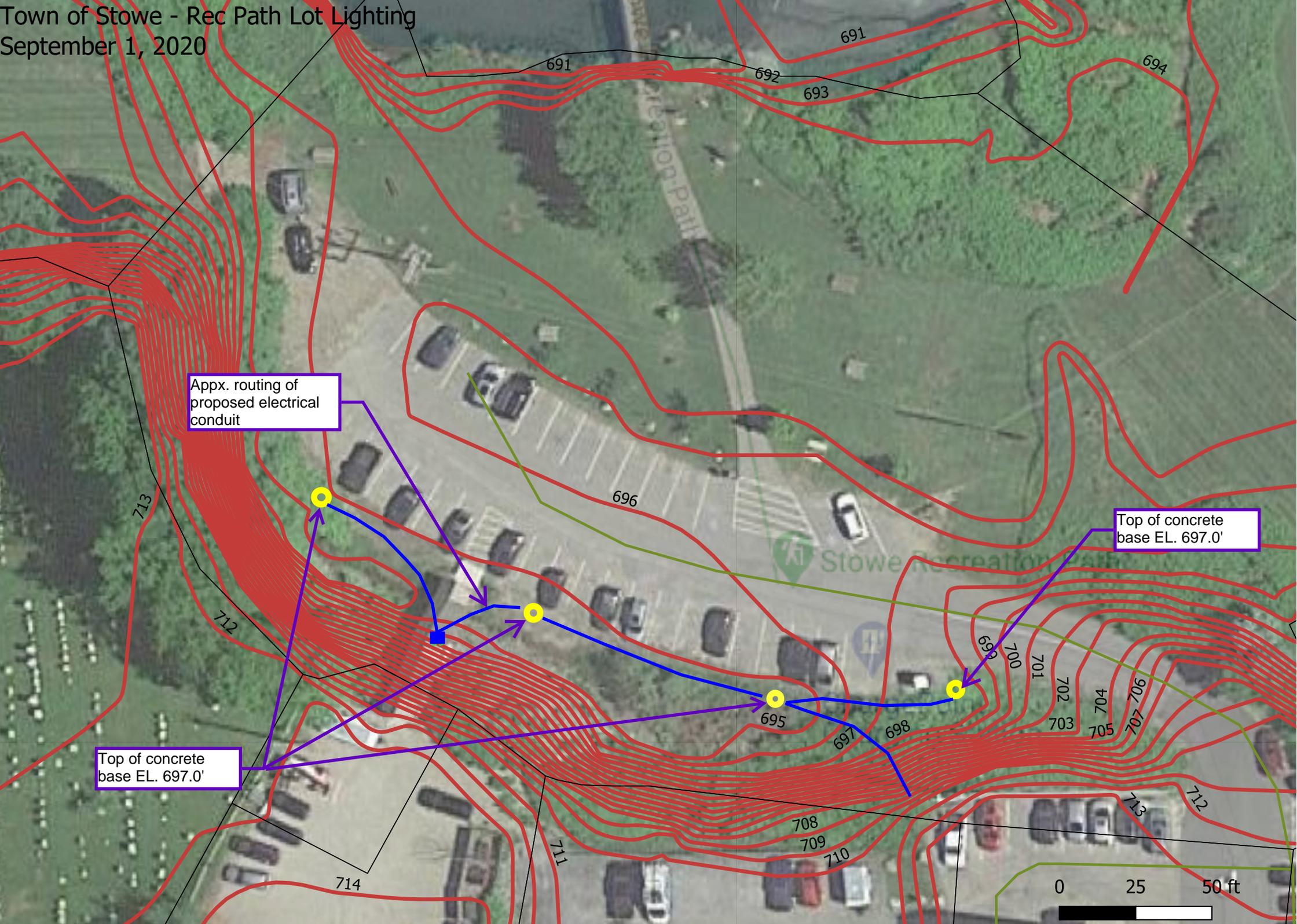
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **8/31/2020 at 3:04 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Town of Stowe - Rec Path Lot Lighting
September 1, 2020



Appx. routing of proposed electrical conduit

Top of concrete base EL. 697.0'

Top of concrete base EL. 697.0'

0 25 50 ft



485,200 485,250 485,300 485,350 485,400 485,450

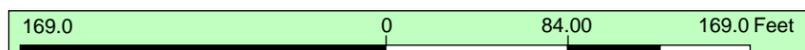


218,550
218,520
218,490
218,460
218,430
218,400
218,370

218,550
218,520
218,490
218,460
218,430
218,400
218,370

LEGEND

- Hazard Class**
 - ◆ High Hazard Potential
 - ◆ Significant Hazard Potential
 - ◆ Low Hazard Potential
 - ◆ Undetermined Hazard Potential
- ◆ Historical Dam Location
- ◆ Stream Alterations Open EPMS
- DFIRM X-Sections
- DFIRM - Letter of Map Revision (LOMR)
- DFIRM Panels
- DFIRM Floodways
- Flood Hazard Areas (Only FEMA-digitized)**
 - AE (1-percent annual chance floodplains with elevation data)
 - A (1-percent annual chance floodplains without elevation data)
 - AO (1-percent annual chance zone of shallow flooding)
 - 0.2-percent annual chance flood hazard zone
- Parcels (standardized)
- Parcels (non-standardized)
- Roads**
 - Interstate
 - Principal Arterial
 - Minor Arterial
 - Major Collector
 - Minor Collector
 - Local
 - Not part of function Classification System
- Stream/River
- Town Boundary



WGS_1984_Web_Mercator_Auxiliary_Sphere
© Vermont Agency of Natural Resources. August 31, 2020

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.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

1: 1,011
1in = 84 ft.
1cm = 10 meters



NOTES
Map created using ANR's Natural Resources Atlas