



Mike Bishop, Zoning Administrator
Town of Waterbury
28 North Main St., Suite 1
Waterbury, VT 05676

October 31, 2023

RE: Proposed New Ambulance Facility on Demeritt Place in Waterbury Village. Applicant: Waterbury Ambulance Service, Inc. (WASI). Landowner: Superior Development LTD/Malone 152 S Main St Properties, LLC.

Dear Mike,

Please find enclosed with this cover letter the following application documents for the project:

1. Town of Waterbury zoning application (with owner & applicant signature pages)
2. Town of Waterbury Site Plan Review Information
3. Town of Waterbury Conditional Use Review Information
4. Town of Waterbury Overlay District Information (SFHA)
5. Site Plan by Grenier Engineering, PC
6. Overall Site Plan by Grenier Engineering, PC
7. FEMA FIRMette Map
8. Building Renderings by EH Danson
9. Floor Plan by EH Danson

Please note that additional plans that address cut/fill site balance, landscaping, & lighting will be delivered to your office as soon as possible, and prior to any scheduled Development Review Board (DRB) hearing.

Waterbury Ambulance Service Inc (WASI) is proposing to construct a much needed new 6600 +/- sf ambulance facility on the existing 2 +/- acre lot owned by Superior Development LTD/Malone 152 S Main St Properties, LLC., located on Demeritt Place. The existing lot currently contains an existing paved parking area. The project consists of government use, a conditional use listed for the Industrial district where the project is located. The project will impact only approximately 1 acre, with the remaining 1 acre on the north side of the site being undisturbed.

The project will take advantage of the existing paved access onto Demeritt Place, which will allow for direct access to the ambulance garage and the proposed on-site parking area to the west of the proposed building location. The site has direct access to municipal water and sewer services located on Demeritt Place. The site is proposed with an on-site stormwater discharge system that will allow for proper drainage of the building and proposed parking areas. A State of Vermont stormwater discharge permit will be required for the site.

The proposed building is within all applicable zoning setbacks as proposed, and the building has been located to be as far away from neighboring properties as possible. The proposed building has a median height of 22'+/-, well below the maximum allowable for the Industrial district. The project site is being proposed with landscaping features for screening, as well as a mix of pole & building mounted lighting for



security and visibility during low light hours. All site lighting will include downcast and shielded high efficiency LED fixtures.

The site is partially located in the Special Flood Hazard Area Overlay District (SFHA), as shown on the enclosed site plan. The site has been designed to meet the applicable standards for the SFHA overlay district in Waterbury. The site design includes a cut/fill balance approach to achieve a net reduction in fill for the site. Therefore, the proposed project will not increase base flood elevations by more than 0.25 foot, due to the fact soil will be removed on the north, west, and east sides of the proposed building. The proposed building is to be slab on grade construction, with a floor elevation of 430.0'. This is over 2.5' above the 100-year flood elevation of 427.4' for this site. Please note that proposed utilities such as standby generator and buried propane tank will be constructed to meet SFHA regulations as well. The proposed standby generator and heating/cooling systems will be placed on elevated pads at least 2' above the 100-year flood plain elevation. The proposed buried propane tank will be properly anchored as required to prevent any flotation during a possible flood event.

We appreciate your time in considering this matter. Please schedule this project for the required Development Review Board (DRB) hearing at the earliest possible date available. Please contact our office with any further inquiries regarding this exciting new project for Waterbury.

Respectfully,

Chris Austin
Permit Coordinator
Grenier Engineering, PC

CC: WASI

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

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 802-244-1012.

CONTACT INFORMATION

APPLICANT

Name: _____

Mailing Address: _____

Home Phone : _____

Work/Cell Phone: _____

Email: _____

PROPERTY OWNER (if different from Applicant)

Name: _____

Mailing Address: _____

Home Phone : _____

Work/Cell Phone: _____

Email: _____

PROJECT DESCRIPTION

Physical location of project (E911 address): _____

Lot size: _____ Zoning District: _____

Existing Use: Undeveloped Proposed Use: _____

Brief description of project: _____

Cost of project: \$ _____ Estimated start date: _____

Water system: _____ Waste water system: _____

EXISTING

Square footage: _____ Height: _____

Number of bedrooms/baths: _____

of parking spaces: _____

Setbacks: *front*: _____

sides: _____ / _____ *rear*: _____

PROPOSED

Square footage: _____ Height: _____

Number of bedrooms/bath: _____

of parking spaces: _____

Setbacks: *front*: _____

sides: 44'+/-, 31'+/- *Rear*: _____

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]

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 _____

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.

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.

Applicant Signature

date

10/27/23

Property Owner Signature

date

CONTACT

Zoning Administrator Phone: (802) 244-1012

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

Date: _____ Application #: _____

Fees Paid: _____ (\$15 recording fee already paid)

Parcel ID #: _____

Tax Map #: _____

TOWN OF WATERBURY SITE PLAN REVIEW INFORMATION

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: _____

SITE PLAN REVIEW CRITERIA

Please utilize 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)
- ___ Requirements for the Route 100 Zoning District
- ___ 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

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: _____

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: Not applicable

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)

REVIEW STANDARDS: **Not applicable**

- 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
 - NA** 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.
 - NA** 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.
 - NA** 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
 - NA** 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)
 - NA** 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.
 - NA** 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

TOWN OF WATERBURY CONDITIONAL USE INFORMATION

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.

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

PROJECT DESCRIPTION

Brief description of project: _____

CONDITIONAL USE CRITERIA

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

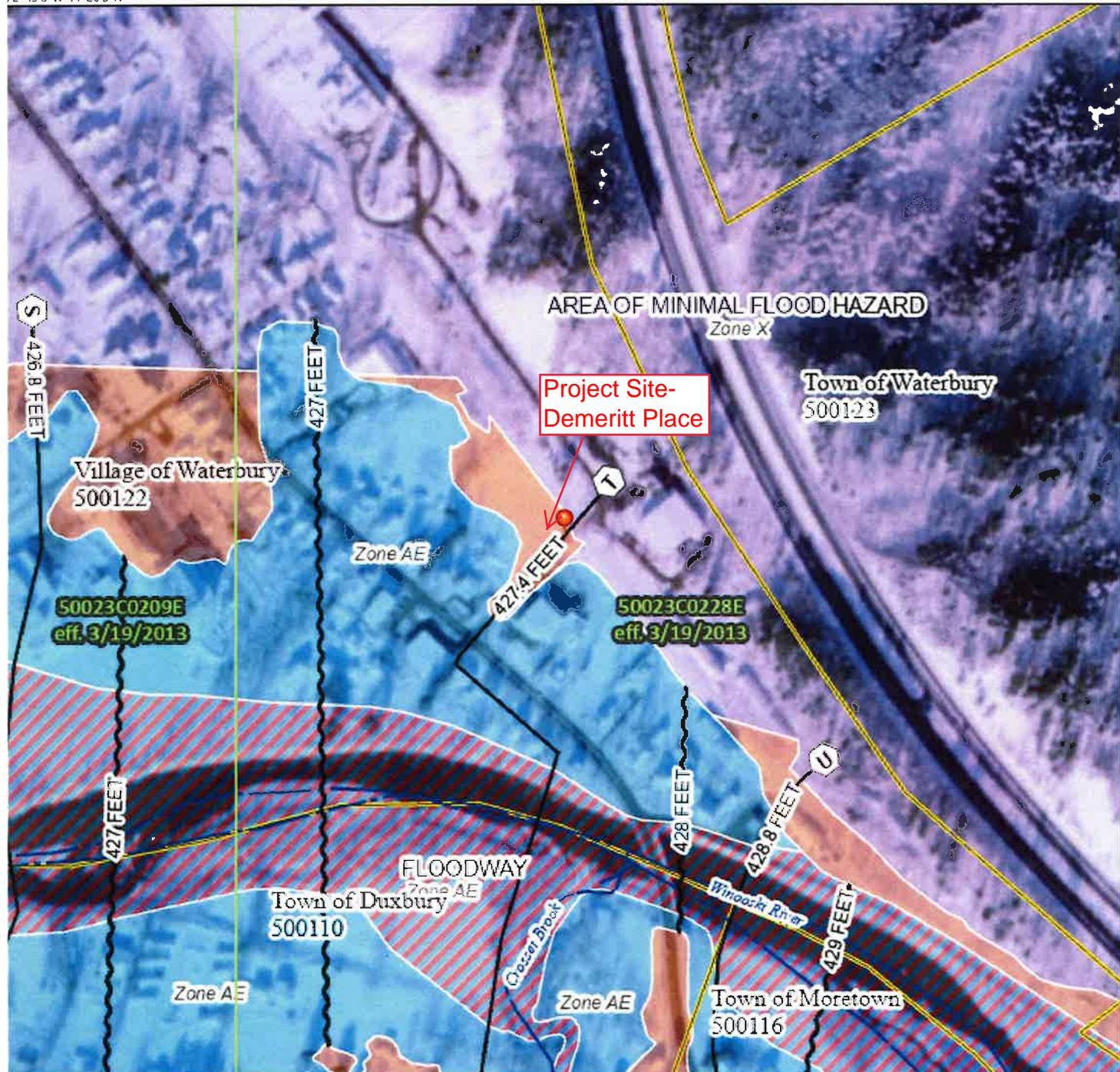
- Describe how the proposed use will not have an undue adverse impact on the capacity of existing or planned community facilities to accommodate it (including roads and highways, municipal water or sewer systems, school system, fire protection services):
The proposed ambulance facility is located at a site with existing access in the Village on a lot with municipal water and sewer services nearby. No students will be generated and the building is well below the height limit, making fire protection easy to provide. No undue adverse impacts on the capacity of existing or planned services is anticipated.
- 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 proposed facility is located in the industrial zoning district on a side street with direct connection to Main St. The site has been chosen due to excellent access and limited impact to residential areas as a majority of the project fronts along the railroad and the existing commercial properties on Demeritt Place.
- Describe how the proposed use will not violate any municipal bylaws and ordinances in effect:
The project has been designed to meet bylaws in effect and no violation of ordinances is anticipated.
- Describe any devices or methods to prevent or control fumes, gas, dust, smoke, odor, noise, or vibration:
The project site will be treated to control dust during construction as needed. No fumes, gas, dust, smoke, odor, vibration or ongoing noise is anticipated.
- 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?
Not applicable. No removal of earth or mineral products not incidental to construction is proposed.

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National Flood Hazard Layer FIRMeTte



72°45'8"W 44°20'3"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, Area 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 X

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

- 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
 - Profile Baseline
 - Hydrographic Feature

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

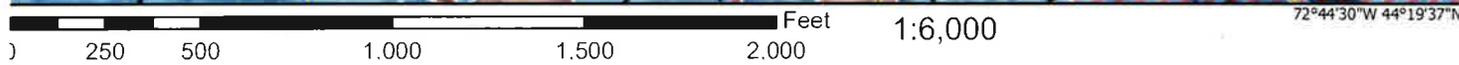


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 **10/30/2023 at 10:34 AM** 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.





WATERBURY AMBULANCE SERVICE, INC.
DEMERRITT PLACE, WATERBURY, VT





WATERBURY AMBULANCE SERVICE, INC.
DEMERITT PLACE, WATERBURY, VT





ZONING TABLE
 ZONING DISTRICT: INDUSTRIAL (IND)
 FRONTYARD SETBACK: 50'
 SIDEYARD SETBACK: 25'
 REARYARD SETBACK: 25'
 COVERAGE: 50%

THIS IS NOT A BOUNDARY SURVEY
 PROPERTY LINES SHOWN ARE APPROXIMATE ONLY AND WERE NOT SURVEYED BY THIS OFFICE. THEY ARE BASED ON A PREVIOUS MAPS AND SOME EVIDENCE FOUND IN THE FIELD. DATUM
 THE CONTOURS AND BENCHMARK ON THIS PLAN ARE BASED UPON GPS DERIVED ELEVATIONS OBSERVED ON SITE ON 07/19/23 AND ARE ON THE NAVD 88 DATUM.

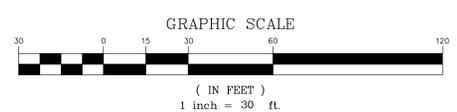
LEGEND

	IRON PIN/ROD FOUND
	UTILITY POLE
	LIGHT POLE
	GATE VALVE
	HYDRANT
	SEWER MANHOLE
	CATCH BASIN
	PROPERTY LINE
	ZONING SETBACK LINE
	RIGHT OF WAY
	EASEMENT
	EX. EDGE OF ROAD
	EX. WATER LINE
	PRO. WATER LINE
	EX. GRAVITY SEWER LINE
	PRO. GRAVITY SEWER LINE
	EX. STORM DRAIN
	EX. OVERHEAD POWER
	EX. UNDERGROUND POWER
	PRO. UNDERGROUND POWER/ELECTRIC
	PRO. GAS LINE
	EX. UNDERGROUND TELEPHONE
	EX. UNDERGROUND FIBER OPTIC
	EX. CONTOURS
	PRO. CONTOURS
	CONSTRUCTED DITCH
	DITCH/SWALE
	100 YEAR FLOOD PLAIN - ELEV 427.4
	EX. TREE LINE
	PRO. SIDEWALK
	PRO. PARKING LOT
	SNOW STORAGE AREA

NOTE: ORIGINAL PLAN 24" x 36". OTHER SIZES NOT TO SCALE

No.	Date	Revision	By

NOT FOR CONSTRUCTION



OVERALL PROPOSED SITE PLAN FOR W.A.S.I
 SUPERIOR DEVELOPMENT LTD CO &
 MALONE 152 S MAIN ST PROPERTIES LLC
 DEMERITT PLACE WATERBURY



GRENIER
 ENGINEERING, PC
 155 DEMERITT PLACE #2

P.O. Box 445
 Waterbury, VT 05676
 TEL (802) 244-6413
 FAX (802) 244-1572
 grenierengineering.com

Date: 10.31.23
 Scale: 1" = 30'
 Designed: JDG
 Drawn: TJM
 Checked: JDG
 Sheet No: C-1



WDGE2 LED Architectural Wall Sconce Visual Comfort Optic



Specifications

Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight: 13.5 lbs (without options)

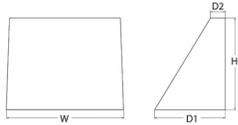


Table with 2 columns: Field (Catalog Number, Notes, Type) and Value

Introduction
The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight AIR wireless controls, the WDGE family provides additional energy savings and code compliance. WDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

Table with columns: Luminaire, Optics, Standard EM, 0°C, Cold EM, -20°C, Sensor, P1, P2, P3, P4, P5, P6

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Table with columns: Series, Package, Color Temperature, CRI, Distribution, Voltage, Mounting, Shipped separately

Table with columns: Options, Finish



WDGE1 LED Architectural Wall Sconce



Specifications

Depth (D1): 5.5"
Depth (D2): 1.5"
Height: 8"
Width: 9"
Weight: 9 lbs (without options)



Table with 2 columns: Field (Catalog Number, Notes, Type) and Value

Introduction
The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution. WDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

WDGE LED Family Overview

Table with columns: Luminaire, Standard EM, 0°C, Cold EM, -20°C, Sensor, P1, P2, P3, P4, P5, P6

Ordering Information

EXAMPLE: WDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD

Table with columns: Series, Package, Color Temperature, CRI, Distribution, Voltage, Mounting, Shipped included

Table with columns: Options, Finish



D-Series LED Bollard



Specifications

Diameter: 8" Round (20.3 cm)
Height: 42" (106.7 cm)
Weight (max): 27 lbs (12.25 kg)



Table with 2 columns: Field (Catalog Number, Notes, Type) and Value

Introduction
The D-Series LED Bollard is a stylish, energy-saving, long-life solution designed to perform the way a bollard should—with zero uplift. An optical lead-forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

Ordering Information

EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT DDBXD

Table with columns: Series, LEDs, Drive current, Color temperature, Distribution, Voltage, Control options, Other options, Finish

Accessories

Table with columns: Accessory, Description



D-Series Size 0 LED Area Luminaire



Specifications

EPA: 0.44 ft² (0.041 m²)
Length: 26.18" (66.5 cm)
Width: 14.06" (35.7 cm)
Height H1: 2.26" (57.9 mm)
Height H2: 7.46" (18.9 cm)
Weight: 23 lbs (10.4 kg)

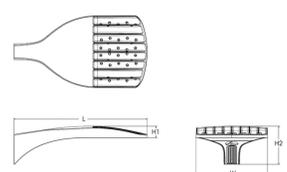


Table with 2 columns: Field (Catalog Number, Notes, Type) and Value

Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSXO LED P6 40K 70CRI T3M MVOLT SPA NLTAIRZ PIRHN DDBXD

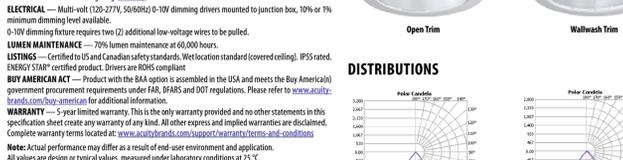
Table with columns: Series, LEDs, Color temperature, Color Rendering Index, Distribution, Voltage, Mounting, Shipped included

Table with columns: Control options, Other options, Finish

LITHONIA LIGHTING

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.
CONSTRUCTION — Galvanized steel mounting/plenum frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs. Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out), No. 12 AWG conductors, rated for 90°C. Accommodates 12"-24" joist spacing. Passive cooling thermal management for 23°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling. Max ceiling thickness 1-1/2".
OPTICS — LEDs are binned to a 3-step MacAdam Ellipse; 80 CRI minimum, 90 CRI optional. LED light source concealed with diffusing optical lens. General illumination lighting with 1.0 S/M and 5° cutoff to source and source image. Self-ganged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.
A+ CAPABLE LUMINAIRE — This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands control products. All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency — including color rendering, color fidelity and color temperature tolerance according to standard CIE chromaticity coordinates. To learn more about A+ standards, specifications, and testing visit www.acuitybrands.com/plus.
UGR — UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117:1996 Discomfort Glare in Interior Lighting (UGR16).
ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 7% minimum dimming level available. 0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.
LUMEN MAINTENANCE — 70% lumen maintenance at 60,000 hours.
LISTINGS — Certified to US and Canadian safety standards. Wet locations standard (covered ceiling). IP55 rated. ENERGY STAR® certified product. Drivers are RoHS compliant.
BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy American(s) government procurement requirements under FAR, 48ARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.
WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties and conditions. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions.
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.



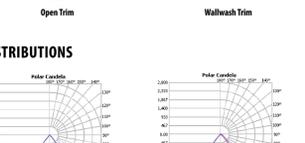
PERFORMANCE DATA

Table with columns: Nominal, Lumens, Wattage, Lm/W

Notes
Tested in accordance with IESNA LM-79-08
Tested to current IES and IESNA standards under stabilized laboratory conditions
Based on LDNA AR LSS 35K 80CRI



LDN4 STATIC WHITE



Notes
Tested in accordance with IESNA LM-79-08
Tested to current IES and IESNA standards under stabilized laboratory conditions
Based on LDNA AR LSS 35K 80CRI



Specification Sheet

Project Name: _____ City: _____
Type: _____ Catalog / Part Number: _____

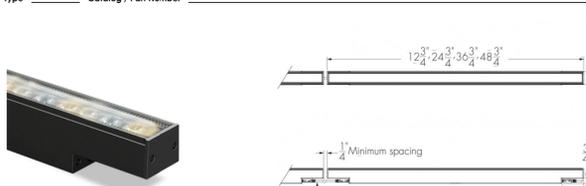


Table with columns: Delivered output (lm), Intensity (peak cd)

Description
The Lumenflood Nano Dynamic White is a high-efficiency linear LED luminaire with a slim profile that makes it easy to conceal and integrate into architectural facades. Available in 12 in., 24 in., 36 in. or 48 in. sections, the Lumenflood Nano Dynamic White can be configured with a wide number of options, including: optics for grazing, floodlighting, or wall washing; colour temperatures from 2200K to 3000K or from 2700K to 6500K; various mounting options, finishes, and controls.

Features
Color and Color Temperature: Dynamic warm white (2200K to 3000K), Dynamic white (2700K to 6500K)

Optics
8" x 8", 10" x 10", 10" x 30", 10" x 60", 10" x 90", 30" x 10", 30" x 30", 30" x 60", 30" x 90", 60" x 10", 60" x 60", 60" x 90", 90" x 30", Wide 120°, Asymmetric, Wallwash

Options
Corrosion-resistant coating for hostile environments, 3C ANSI C136.31-2010 Vibration Rating for bridge applications

Power Consumption
4 W/ft, 8 W/ft

Warranty
5-year limited warranty

Performance
Maximum Delivered Output: 1,128 lm (4 W/ft, 48 in fixture, DWH full output, 8" x 8", UCLT control), 2,052 lm (8 W/ft, 48 in fixture, DWH full output, 8" x 8", UCLT control), 924 lm (4 W/ft, 48 in fixture, DWH full output, 8" x 8", UCLT control), 1,606 lm (8 W/ft, 48 in fixture, DWH full output, 8" x 8", UCLT control)

Maximum Delivered Intensity
30.47 cd at nadir (4 W/ft, 48 in fixture, DWH full output, 8" x 8", UCLT control), 55.45 cd at nadir (8 W/ft, 48 in fixture, DWH full output, 8" x 8", UCLT control), 24.977 cd at nadir (4 W/ft, 48 in fixture, DWH full output, 8" x 8", UCLT control), 45.044 cd at nadir (8 W/ft, 48 in fixture, DWH full output, 8" x 8", UCLT control)

EHDanson Associates, PLLC Architects St. Johnsbury, Vermont 802.748.8239 www.ehdanson.com

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ISSUE FOR PERMIT NOT FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION Waterbury Ambulance Service Waterbury, VT 2022 VT Route 100, Waterbury, VT

SCALE: AS NOTED DATE: 11/02/2023 DRAWN BY: AJM

REVISION LIGHTING FIXTURE CUTSHEETS

SHEET NUMBER

ISSUE FOR PERMIT NOT FOR CONSTRUCTION 11/2/23

SP-2