Katherine Lacy, AICP
Massachusetts Housing Partnership
160 Federal Street
Boston, MA 02110

RE: Site Lighting, The Villages at Sherborn, 84 Coolidge Street Sherborn MA

Exterior site lighting will be used to illuminate parking lots for safety and security purposes. The attached tear sheet has the typical specifications of the typical proposed fixtures, which are fully cutoff, with no lighting facing upwards. Exterior fixtures will be spaced approximately 50’ away from each other throughout the parking lots. Parking lot lights will be mounted on 15 foot poles. See attached lighting plan for proposed locations.

In addition to the pole mounted area lights, a number of shorter (41” height) bollard lights will be placed along the main entrance adjacent to 86 Coolidge. Specifications for the typical lights are attached, please see lighting schedule for proposed locations.

Included in the existing site plan are hardscape walls on either side of the main entrance. On the south side of the entrance the proposed wall will contain a permanent site sign the sign will be illuminated by two [2] 12 volt LED landscape lights pointed at the sign. See attached specifications for the typical light fixture see also the attached lighting plan for proposed location.

Please see attached plans a typical specifications
Flat Top Round Bollard with LED Cone Reflector

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Optics:</td>
<td>Medium Beam Spread</td>
</tr>
<tr>
<td>Number of Arrays:</td>
<td>1</td>
</tr>
<tr>
<td>Wattage:</td>
<td>15w</td>
</tr>
<tr>
<td>Driver:</td>
<td>120-277v</td>
</tr>
<tr>
<td>CCT:</td>
<td>5000K</td>
</tr>
<tr>
<td>Color:</td>
<td>Bronze, White or Black</td>
</tr>
</tbody>
</table>

**Housing:**
Extruded Aluminum Housing with Flush Mounting
Base & Vandal-Resistant Screws, Flat Top,
Powdercoat Finish Over a Chromate Conversion
Coating, Internal Ballast Tray for Easy Maintenance

**Reflector:**
Specially Designed Aluminum Cone Reflector for LED.

**Lens:**
Clear Polycarbonate Lens

**Mounting:**
Mounting Kit with 8" Anchor Bolts (Included).

**LumaFit LED:**
Array Lumens: 2,089
Delivered Lumens: 1,384
CRI: 83
CCT: 5000K
Rated Life: 50,000 Hours
5-Year Warranty
Aluminum Boards

**Wattage:**
Array: 14.5w, System: 17w

**Driver:**
Electronic Driver, 120-277V, 50/60Hz
Dimmable Driver

**Listing & Ratings:**
CSA: Listed for Wet Locations. IP65
Operating Temperatures: -40°C to +40°C

---

QS-42-RFBL-15-50-MV-5-C

lightpolesPLUS.com
206 W. McWilliams St. Suite 101
Fond du Lac, WI 54935
888-791-1463
quotes@lightpolesplus.com
LightPolesPlus.com

Specifications subject to change without notice.
3000K Warm-White LED Wall Wash AZT
16070AZT30R (Textured Architectural Bronze)

Dimensions
Height 6.00"
Length 5.25"
Width 6.50"

Project Name: ____________________________
Location: _______________________________
Type: _________________________________
Qty: _________________________________
Comments: ____________________________

Ordering Information
Product ID 16070AZT30R
Finish Textured Architectural Bronze
Available Finishes BBR, BBR, BK, BK, AZT, AZT

Dimensions
Weight 4.00 LBS

Photometrics
Color Rendering Index 80
Beam Angle Options 100

Electrical
Voltage 12V
Operating Voltage Range 9-15V

Qualifications
Safety Rated Wet
Warranty www.kichler.com/warranty

Primary Lamping
Light Source LED
Lamp Included Integrated
Lamp Type LED

Notes:
1) Information provided is subject to change without notice.
   All values are design or typical values when measured under laboratory conditions.
2) Incandescent Equivalent: The incandescent equivalent as presented is an approximate number and is for reference only.
Nebula LED Area Lights
NBAL-200W/300W/400W/500W

Optical:
- IES Type II, Type III, Type IV and Type V distribution patterns
- Optics are interchangeable and easily replaceable
- Optional house side shield/visor
- Full range CCT from 3000K to 5000K

Controls:
- NEMA twist lock photocontrol and receptacle
- Bi-Level occupancy sensor with wireless App control
- Luminaire wireless interlinking

Warranty:
- 5 years' warranty for complete fixture

Listings:
- ETL
- FCC
- DLC
- RoHs
- IP65

Ordering Information:

<table>
<thead>
<tr>
<th>Family</th>
<th>Wattage</th>
<th>CCT</th>
<th>Optic</th>
<th>Color</th>
<th>Control</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NBAL</td>
<td>200W=200W</td>
<td>50K=5500K</td>
<td>(omt)=Type III, St</td>
<td>(omt)=Bronze, Std</td>
<td>OCC01=Occupancy Sensor on/off, ARM1=Arm mount round pole</td>
<td></td>
</tr>
<tr>
<td></td>
<td>300W=300W</td>
<td>45K=4500K</td>
<td>T2=Type II</td>
<td></td>
<td>S=Silver</td>
<td>OCC02=Occupancy Sensor Bi-Level, SF=Slipfitter</td>
</tr>
<tr>
<td></td>
<td>400W=400W</td>
<td>40K=4000K</td>
<td>T4=Type IV</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>500W=500W</td>
<td>35K=3500K</td>
<td>T5=Type V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>30K=3000K</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

High Power Factor, low THD UL listed driver with 10KV surge protection.
Universal line voltage input 120-277V, 347/480V optional.
FCC compliant
0-10V dimmable

www.nebulite.com

PROJECT NAME: ___________________________ CATALOG NUMBER: _______________________
NOTES: ___________________________ FIXTURE TYPE: _______________________

- High Power Factor, low THD UL listed driver with 10KV surge protection.
- Universal line voltage input 120-277V, 347/480V optional.
- FCC compliant
- 0-10V dimmable