

**COUNTY OF ALBEMARLE****APPLICATION FOR A SPECIAL EXCEPTION**

- ☒ Request for a waiver, modification, variation or substitution permitted by Chapter 18 = \$457      ☐ Variation to a previously approved Planned Development rezoning application plan or Code of Development = \$457

OR

- ☐ Relief from a condition of approval = \$457

**Provide the following**

- ☒ 3 copies of a written request specifying the section or sections being requested to be waived, modified, varied or substituted, and any other exhibit documents stating the reasons for the request and addressing the applicable findings of the section authorized to be waived, modified, varied or substituted.

**Provide the following**

- ☐ 3 copies of the existing approved plan illustrating the area where the change is requested or the applicable section(s) or the Code of Development. Provide a graphic representation of the requested change.
- ☐ 1 copy of a written request specifying the provision of the plan, code or standard for which the variation is sought, and state the reason for the requested variation.

**Project Name :** Monticello High School Stadium Lights

**Current Assigned Application Number (SDP, SP or ZMA)** B2019-219AI

**Tax map and parcel(s):** 09100-00-00-00200

**Applicant / Contact Person** Project Managent - Facilities Planning & Construction Division / Steve Hoffmann

**Address** 401 MCINTIRE ROAD **City** CHARLOTTESVILLE **State** VA **Zip** 22901

**Daytime Phone#** ( 434 ) 872-4501 **Fax#** ( -        ) -        **Email** shoffmann@albemarle.org

**Owner of Record** COUNTY SCHOOL BOARD OF ALBEMARLE COUNTY VIRGINIA

**Address** 401 MCINTIRE ROAD **City** CHARLOTTESVILLE **State** VA **Zip** 22901

**Daytime Phone#** ( 434 ) 973-9340 **Fax#** (        )        **Email** jletteri@k12albemarle.org

**County of Albemarle  
Community Development**

**401 McIntire Road Charlottesville, VA 22902 Voice: (434) 296-5832 Fax: (434) 972-4126**

# COUNTY OF ALBEMARLE

## APPLICATION FOR A SPECIAL EXCEPTION

### APPLICATION SIGNATURE PAGES

#### VERIFICATION OF THE SIGNATURE ON THE NEXT PAGE MUST HAPPEN BEFORE THE APPLICATION MAY BE DEEMED COMPLETE

If ownership of the property is in the name of any type of legal entity or organization including, but not limited to, an LLC, a corporation, a partnership or association, or a trust, then a document acceptable to the County must be submitted with this application certifying that the person signing has the authority to do so.

If the applicant is a contract purchaser, a document acceptable to the County must be submitted containing the owner's written consent to the application and must include any applicable documents authorizing that person to provide consent.

If the applicant is the agent of the owner, a document acceptable to the County must be submitted that is evidence of the existence and scope of the agency. Please attach the owner's written consent.

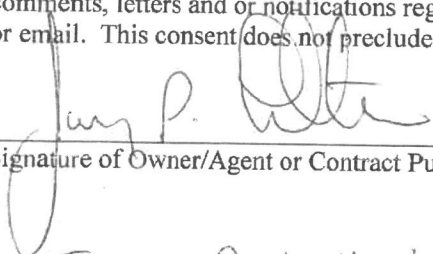
#### One (1) copy of the applicable ownership information.

| CHECK AS APPLICABLE                 | OWNERSHIP OF THE PROPERTY IS A                                | DOCUMENT TO BE PROVIDED FOR THIS APPLICATION                                                                                                                                                                                                                                                                                    |
|-------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/>            | Limited liability company ("LLC")                             | The articles of organization and when the power is delegated to someone other than a manager or a member, also the operating agreement.                                                                                                                                                                                         |
| <input type="checkbox"/>            | Stock & Nonstock corporation                                  |                                                                                                                                                                                                                                                                                                                                 |
| <input type="checkbox"/>            | for a board of directors                                      | Stock - the articles of incorporation or a shareholders agreement may limit the board's statutory authority.<br><br>Nonstock - the articles of incorporation and the by-laws, the latter of which may include a member or director agreement, may limit the board's statutory authority                                         |
| <input checked="" type="checkbox"/> | for a person expressly authorized by the board of directors   | written evidence of that authorization such as a board resolution or board minutes                                                                                                                                                                                                                                              |
| <input type="checkbox"/>            | for a committee                                               | an action of the board of directors authorizing the committee to act; the articles of incorporation or the by-laws may limit the statutory authority                                                                                                                                                                            |
| <input type="checkbox"/>            | for a corporate officer                                       | the by-laws or the delegating resolution of the board of directors.                                                                                                                                                                                                                                                             |
| <input type="checkbox"/>            | Partnership                                                   | The statement of partnership authority, which may limit the authority of one or more partners.                                                                                                                                                                                                                                  |
| <input type="checkbox"/>            | Limited partnership                                           | The partnership agreement, or amendments thereto, which may limit the authority of one or more general partners.                                                                                                                                                                                                                |
| <input type="checkbox"/>            | Incorporated & Unincorporated church and other religious body | (1) for trustees, an authorizing court order<br>(2) for the corporation holding title, the appropriate corporate documents<br>(2) for a bishop, minister or ecclesiastical officer, the laws, rules or ecclesiastical polity of the entity that authorizes the person to hold, improve, mortgage, sell and convey the property. |
| <input type="checkbox"/>            | Land trust                                                    | The deed of conveyance to the trustees and the trust instrument                                                                                                                                                                                                                                                                 |

See Attachment A in the Land Use Law Handbook for a complete list of Authorized Signatories for Land Use Applications

**COUNTY OF ALBEMARLE****APPLICATION FOR A SPECIAL EXCEPTION****Owner/Applicant Must Read and Sign**

I hereby certify that I own the subject property, or have the legal power to act on behalf of the owner in filing this application. I also certify that the information provided on this application and accompanying information is accurate, true, and correct to the best of my knowledge. By signing this application I am consenting to written comments, letters and or notifications regarding this application being provided to me or my designated contact via fax and or email. This consent does not preclude such written communication from also being sent via first class mail.

  
Signature of Owner/Agent or Contract Purchaser

Date

3.15.19

Print Name

Joseph P. Letteri,

Director of Building Services

Daytime phone number of Signatory

975-9340

FOR OFFICE USE ONLY APPLICATION# \_\_\_\_\_ Fee Amount \$ \_\_\_\_\_ Date Paid \_\_\_\_\_

By who? \_\_\_\_\_ Receipt # \_\_\_\_\_ Ck# \_\_\_\_\_ By \_\_\_\_\_

Monticello HS

Football Stadium

Monticello High School

Monticello High School



## Football Stadium Detail Area - Illumination Summary

## SITE PLAN AND PROPERTY LINES

Albemarle Co Monticello HS FB And BB  
Charlotteville, VA

| GRID SUMMARY                                                |                         |
|-------------------------------------------------------------|-------------------------|
| Name:                                                       | Zero Grid               |
| Spacing:                                                    | 30.0' x 30.0'           |
| Height:                                                     | 3.0' above grade        |
| ILLUMINATION SUMMARY                                        |                         |
| MAINTAINED HORIZONTAL FOOTCANDLES                           |                         |
| Entire Grid                                                 |                         |
| Scan Average:                                               | 2.06                    |
| Maximum:                                                    | 54                      |
| Minimum:                                                    | 0                       |
| Max / Min:                                                  | 1554.04 / 75            |
| Max / Min:                                                  | 4391644.00              |
| UG (adjacent pole):                                         | 453.52                  |
| UG (adjacent pole):                                         | 738                     |
| No. of Poles:                                               | 738                     |
| Color / CRI:                                                | 5700K / 75 CRI          |
| Luminaire Output:                                           | 121,000 / 52,000 lumens |
| No. of Luminaires:                                          | 72                      |
| Total Load:                                                 | 75.9 kW                 |
| LUMINAIRE INFORMATION                                       |                         |
| Luminaire Type                                              | 150 hrs                 |
| TLC-LED-1150                                                | >81,000                 |
| TLC-81-575                                                  | >81,000                 |
| Lumen Maintenance                                           |                         |
| L70 hrs                                                     | >81,000                 |
| L80 hrs                                                     | >81,000                 |
| L90 hrs                                                     | >81,000                 |
| Reported per TM-21-11. See luminaire datasheet for details. |                         |

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

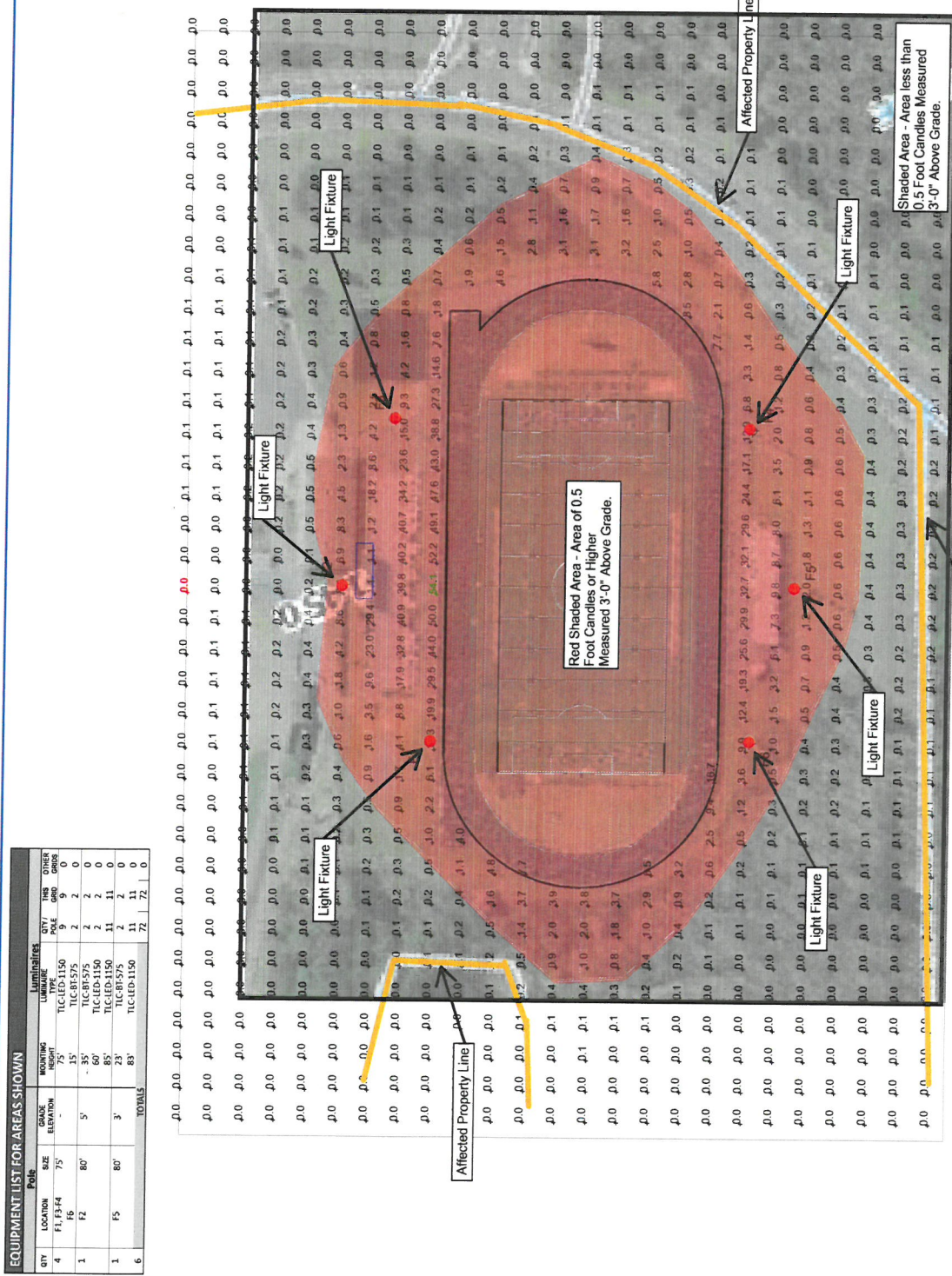
**Installation Requirements:** Results assume a 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY



## Lighting System

| Pole / Fixture Summary |             |             |                |                 |
|------------------------|-------------|-------------|----------------|-----------------|
| Pole ID                | Pole Height | Fixture Qty | Luminaire Type | Load            |
| F1 FS&A FB             | 75'         | 2           | TLC-BT-575     | 1.15 kW         |
|                        |             |             | TLC-LED-1150   | 8.05 kW         |
|                        |             |             | TLC-LED-1150   | 2.30 kW         |
| F2                     | 80'         | 2           | TLC-BT-575     | 1.15 kW         |
|                        |             |             | TLC-LED-1150   | 10.35 kW        |
|                        |             |             | TLC-LED-1150   | 2.30 kW         |
| F5                     | 80'         | 2           | TLC-BT-575     | 1.15 kW         |
|                        |             |             | TLC-LED-1150   | 10.35 kW        |
|                        |             |             | TLC-LED-1150   | 2.30 kW         |
| <b>6</b>               |             | <b>71</b>   |                | <b>75.90 kW</b> |

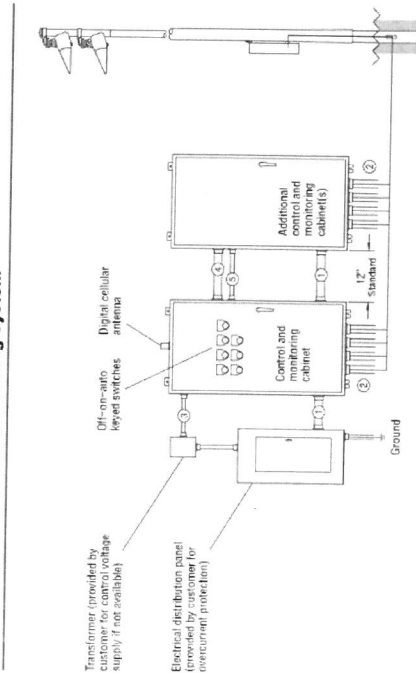
| Circuit Summary |               |         |             |
|-----------------|---------------|---------|-------------|
| Circuit         | Description   | Load    | Fixture Qty |
| A               | Football      | 62.1 kW | 60          |
| B               | Walking Track | 13.8 kW | 12          |

| Fixture Type Summary |                    |         |         |         |          |
|----------------------|--------------------|---------|---------|---------|----------|
| Type                 | Source             | Wattage | Lumens  | LSP     | Quantity |
| TLC-LED-1150         | LED 5700K - 75 CRI | 1150W   | 121,000 | >81,000 | >81,000  |
| TLC-BT-575           | LED 5700K - 75 CRI | 575W    | 52,000  | >81,000 | >81,000  |

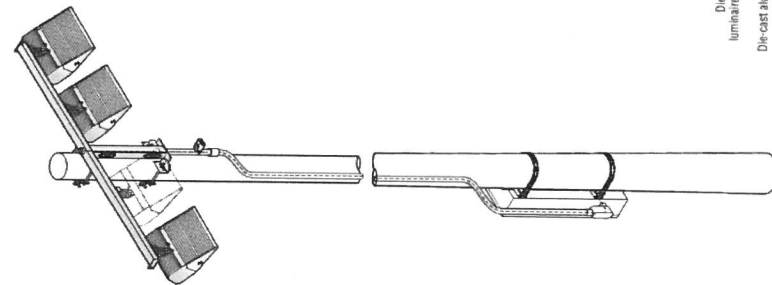
## Light Level Summary

| Calculation Grid Summary |                        |      |     |     |         |          |             |    |  |
|--------------------------|------------------------|------|-----|-----|---------|----------|-------------|----|--|
| Grid Name                | Calculation Metric     | Ave  | Min | Max | Ave/Min | Circuits | Fixture Qty |    |  |
| Football                 | Horizontal Illuminance | 51   | 43  | 63  | 1.48    | A        | 60          |    |  |
| Home Bleachers           | Horizontal Illuminance | 29.4 | 0   | 54  | 133.02  | A,B      | 72          |    |  |
| Soccer                   | Horizontal Illuminance | 18.1 | 1   | 30  | 21.62   | 18.05    | A,B         | 72 |  |
| Track                    | Horizontal Illuminance | 50.5 | 44  | 65  | 1.50    | 1.15     | A           | 60 |  |
| Visitor Bleachers        | Horizontal Illuminance | 10.7 | 4   | 21  | 5.68    | 2.67     | B           | 12 |  |
|                          | Horizontal             | 14.2 | 4   | 24  | 6.02    | 3.55     | A           | 60 |  |
|                          | Perpendicular          | 13.1 | 5   | 20  | 3.82    | 2.62     | A           | 60 |  |

## Control-Link, Control and Monitoring System



## TLC for LED® Poletop Luminaire Assembly



### Overview

The factory-aimed poletop luminaire assembly is clamped to the upper pole section.

### Features

- Each luminaire is factory-built, tested, and ships as a unit
- luminaires are factory-aimed to within 0.20 degree of accuracy
- Luminaire mounts to crossarm and connects electrically in a single step
- Labels identify pole location and luminaire location
- No exposed wiring
- Pole clamp brackets and hardware specific to pole size

### Technical Specifications

#### Construction

- Crossarms and pole clamp brackets hot-dip galvanizing inside and outside after fabrication meets ASTM-A123 and EN 1461 standards
- Crossarms are constructed of rectangular steel tubing
- All aluminum components are powder coated or anodized to mil-A-8625F and BS-5599
- All stainless steel fasteners are passivated and coated

#### Quality Assurance Tests

- Galvanizing thickness
- High potential dielectric withstand
- Electrical continuity

