

COUNTY OF HENRICO  
VIRGINIA

## INTER-OFFICE MEMORANDUM

To: Planning Office Subject: POD2023-00206: Helios  
Henrico County Police Division,  
From: Community Services Unit Date: June 8, 2023

POD2023-00206

Zoning Classification: R-6C

Rezoning Case(s): REZ2023-00003

PUP(s):

Principle Plan Type (check one):

<input checked="" type="checkbox"/>	POD	<input type="checkbox"/>	Site Plan (Minor)	<input type="checkbox"/>	Site Plan w notice	<input type="checkbox"/>	TUP
<input type="checkbox"/>	Landscape Plan	<input type="checkbox"/>	Lighting Plan	<input type="checkbox"/>	POD Revision	<input type="checkbox"/>	CUP
<input type="checkbox"/>	Master Plan						

Secondary Plan Type (click one):

<input checked="" type="checkbox"/>	Landscape Plan	<input checked="" type="checkbox"/>	Lighting Plan
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**\*Lighting plans are required with each site plan or POD submission.**

### Henrico Police Division's Recommendation:

- ☐ Henrico County Police Division recommends approval.
- ☒ Henrico County Police Division recommends approval if the requirements in Section I are addressed.
- ☐ Henrico Police cannot complete our review at this time as additional information is needed.
- ☐ A lighting security plan is required. See Section III
- ☐ A fencing security plan is required. See Section III

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### SECTION I. Address the following items for Henrico Police to endorse this plan:

- ☒ Provide new plans/information with details to address items noted below.
- ☐ Provide a response addressing the items and/or stating the intent of the applicant.

### SECTION II.

#### Site Specific Comments:

1. Henrico Police thanks you for choosing to fence and gate the property. The area experiences a high level of crime and trespassing. The most recent intense situation occurred in April. Click here to read more about the event. <https://henrico.us/assets/230414-5700-Crenshaw-Road-Homicide.pdf>
2. Provide specifications for both types of proposed fencing. The chain link and the opaque fencing.
  - a. Chain link fencing should be a security level chain link. This means there would be no rigid horizontal supports and openings in the mesh would be less than 1 inch. 5/8 inch

openings is recommended as it is most common for security purposes. Tight metal wires can be woven into the mesh at the top and bottom of the fence. This will prohibit climbing the fence. The top of the mesh should not be twisted closed or bent downward and should make a sharp point. This is often called “knuckle twist.” This option makes a barb on top of the fence.

3. Provide a narrative description of how the gates will function. Will they always be closed? How will they operate? Provide all specifications for gate motors and how the gate will lock. HPD has a lot of experience with security gates. How will the gates open/close? Will they slide or pivot? To stop vandalism of the gates, consider using magnetic locks and/or electronic drop pins that activate when the gate is closed. HPD can help you with any questions your team may have regarding fences/gates.
4. Describe how individuals will operate the gates. Provide specifications for fob or keycard readers.
5. Describe how visitors will gain access to the property.
6. The gates leading to the solar farm portion of the property is located along Crenshaw Avenue. Is it possible to move this vehicular gate internal to the site? Like from the parking lot? If the gates will not be opaque, giving individuals in the area a view of what is located behind the opaque fence could be problematic. Police leadership notes that vandalism to the solar panels will occur if not protected. Rocks will be thrown into this area. Please consider protecting the solar panels if possible.
7. There is one landscaping and light pole conflict in the southeast corner of the site.

#### **Landscape Plan Best Practices:**

<input type="checkbox"/>	Show light pole locations on the landscape plan in an attempt to avoid conflicts. The location of the light poles in relation to the trees needs to be considered, especially in parking lots and areas along the building’s edge. The two should not be located in the same area, as illumination will be reduced as the tree matures. Provide conflict locations:
<input checked="" type="checkbox"/>	All shrubs and trees should be trimmed to allow for maximum visibility to and from the site and from within the site. Shrubs should have a natural growth habit of no more than 2 ½ to 3 feet, or should be maintained at this height, especially when located along an entrance, walkway or in a parking area.
<input checked="" type="checkbox"/>	Trees located around the buildings, walkways and parking areas should have a natural growth habit that is a tree-form, non-pyramidal shaped tree. If this cannot be done, the canopy of the trees should be maintained at least 4 feet from the ground as the tree matures.
<input type="checkbox"/>	If a buffer is required along (name of streets), consideration should be given to maximizing visibility to and from the site. This can be accomplished in several ways – grouping of shrubs, naturally low growing shrubs or planting shrubs with good lines of sight between them. The goal is to provide as much visibility to and from the site as possible.

#### **Lighting Plan Comments:**

Does all lighting meeting the following code requirements shown in Table 5503A?

Yes ☒ / No ☐

Does the application show 1.0 foot-candles along the entire building edge and at the primary entrances?

Yes ☒ / No ☐

**Table 5503A: Average Illuminance (Minimum and Maximum)**

Site Feature	Minimum (foot candles)	Maximum (foot candles)
Pedestrian pathway for R-5A, townhouse, and detached condominium projects <sup>[1]</sup>	0.5	2
Pedestrian pathway for multifamily and nonresidential development	1	3
Surface parking lot, other than other than 24-hour nonresidential uses <sup>[1]</sup>	1	3
Surface parking lot for 24-hour nonresidential uses <sup>[1]</sup>	3	6
Parking deck or garage	3	6
Exterior service window or ATM	3	6
Exterior stair or elevator	3	6
[1] including cluster mailboxes, bicycle parking, service areas, loading bays, and recycling and refuse collection areas, whether or not attached to a parking lot		

Are the following comments noted on the lighting plan?

Yes

☐

No

☒

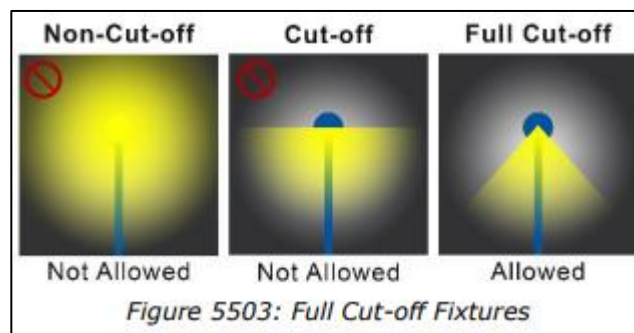
1. All proposed lights will be full cut-off providing light downward only.
  2. All proposed lights will be dark sky compliant.
  3. All proposed lights will have zero-degree tilt.
  4. Lighting will not be reduced lower than 1.0 foot-candles after 11pm
- \*\*note these on the lighting plans\*\***

☐

The lamps throughout the site should be the same. The emphasis is to have the same color of light (white or orange/yellow) throughout which will provide good color rendition, help with visibility, and reduce contrasts. Color rendition refers to how objects of various colors appear under a particular lamp. Metal halide, LED, or compact fluorescent lamps (white light) are preferred.

☐

All light fixtures need to be full cut-off. See Figure 5503: Full Cut-off Fixtures below:


☐

Lighting is one of the most economical and effective forms of crime prevention available. For lighting to be effective it must be uniformly distributed so that dark areas and areas of sharp

	contrast are not created. The Illuminating Engineer Society of North America defines uniformity as “the evenness of the distribution of light on the surface(s)”...which “aids security perception, while reducing the necessity for eye adjustment...” IESNA G-1-03, 5.4.
<input type="checkbox"/>	<p>Routine maintenance of the lights is recommended.</p> <ul style="list-style-type: none"> <li>a) A schedule should be established to review lights to determine if any need replacing.</li> <li>b) Globes should be cleaned periodically to ensure full illumination from the light.</li> <li>c) A program should be established to relamp the complex, also known as <i>group relamping</i>. This method reduces cost by minimizing site visits for the purpose of relamping, and it ensures that the lamps being replaced are consistent with all surrounding lamps.</li> <li>d) A program should be established for the trimming and maintenance of tree canopies and other plant materials at or around the light poles so that illumination is not reduced.</li> </ul>

While our requirements for the endorsement of the plan do not guarantee a crime-free environment, it is our experience that the application of the concepts of Crime Prevention Through Environmental Design (CPTED) will reduce the opportunity for crime to occur and will enhance the quality of life. Should you have any questions or comments, please contact me at [mof@henrico.us](mailto:mof@henrico.us).

Billy Moffett  
CPTED Planner