

COUNTY OF HENRICO
VIRGINIA

INTER-OFFICE MEMORANDUM

TO: Planning Office
Henrico County Police Division,
FROM: Community Services Unit
SUBJECT: POD2014-00165: Dollar General
DATE: June 19, 2014

POD2014-00165

Dollar General

<2536 New Market Rd – N/W corner of New Market and Gregg Rd >

- ☒ **Henrico Police Division recommends approval based on the information provided by Highmark Engineering on 6/19/14.**
- ☐ Henrico Police Division recommends approval if the requirements in Section I are addressed.
- ☐ Henrico Police can't recommend at this time.

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

- ☐ Provide new plans with details to address items noted below.
- ☐ Provide a response addressing the items and/or stating the intent of the applicant.
1. *6/19/14 Highmark Engineering: Fixtures are not angled.* The lighting plan has been submitted and reviewed. The lighting appears to meet the lighting standards as listed in Section II except that clarification is needed that the pole light fixtures will not be angled.
 2. *6/19/14 Highmark Engineering: Lighting will be provided under the canopy, see label canopy strips.* Will lighting be provided under the canopy on the front and side of the building? Consideration should be given to using light siding or paint in the ceiling so that any light in place will be reflected and help to make the space appear lighter.
 3. The landscape screening along the parking lots should offer as much visibility to and from the site as possible. Any shrubs planned should have a *natural* growth habit of no more than 2 feet along the roadways.
 4. *6/19/14 Highmark Engineering: No fencing is planned.* Will perimeter fencing be installed along the west side or rear of the property?
 5. *6/19/14 Highmark Engineering: What security and safety measures will be in place in the exterior and interior of the property?*
No pay phones will be on site.
Service doors are alarmed.
There is a peephole in the double door.
There is a doorbell on the delivery door.
All doors are connected to a call out alarm system which alerts police.
Dollar General uses height tape at the main entrance.
The manager's office can be used as a safe room as it has a lock on it.
Dollar General installs VSS inside and outside of stores depending on their analysis of crime.
Automatic door closers are used.
All doors have secure hinges.

SECTION II. Implement the following security standards: *The applicant has stated acknowledgement or support overall of the below standards.*

Landscape Plan - *schematic plan submitted*

1. Show light pole locations on the landscape plan in an attempt to avoid conflicts.

2. 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.
3. 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.
4. 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.

Lighting Plan –plan submitted

5. The minimum maintained light level should be no lower than 1.0 foot-candles throughout the parking areas, walkways, building entrance and building edge.
6. 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, compact fluorescent lamps (white light) are preferred.
7. All light fixtures need to be full cut-off. See Photo's B and C for examples of full cut-off wall packs and pole lights.
8. Should post top fixtures be used, these fixtures also need to be full cut-off so that the light will be directed down to the ground, versus horizontally and up in the air. If decorative fixtures are installed, they should have the lamp in the top casing of the fixture so that the light will be directed towards the ground (See Photo D). This will also avoid glare because you don't actually see the lamp. Glare is defined as horizontal light that hinders vision.



Photo B. Shielded wall pack.

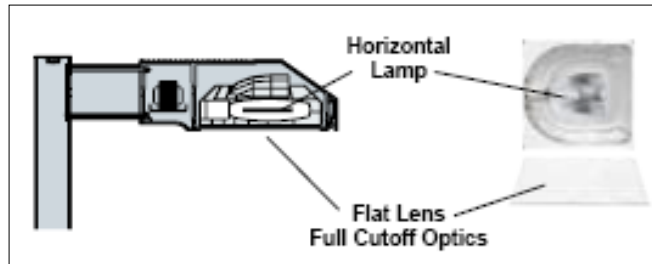


Photo C. Diagram of a full cut-off or concealed source fixture.



Photo D. The white globe visible to the eye in this post top fixture is decorative; the lamp is in the top of the fixture.

9. 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.
10. In creating uniform lighting, consider:
 - a) type of fixture
 - b) the height of poles
 - c) the direction of the light
 - d) spacing of fixtures
11. Routine maintenance of the lights is recommended.
 - a) A schedule should be established to review lights to determine if any need replacing.
 - b) Globes should be cleaned periodically to ensure full illumination from the light.
 - c) A program should be established to relamp the complex, also known as *group relamping*. 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.
 - 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.

Interior

12. Provide access control (physical security) on all exterior doors.
13. The windows should not be tinted, especially at the entrance, to allow for surveillance opportunities both from within and from outside the building.
14. The following measures should be in place to increase the security for side, rear or storage doors:
 - a) Metal or solid core
 - b) Metal frames
 - c) Deadbolt locks- egress point: one that employs a thumb turn on the inside of the door
 - d) Reinforced strike plates
15. For those doors and windows with limited to no visibility from the street, consider adding security film to help ‘harden the target’. Cover glass doors and windows within 40” of door locking mechanisms with a security film to prevent penetration. A 6 - 8 millimeter thick film is suggested. Resource options: www.llumar.com and www.vista-films.com. See web sites for a local installer.

The Henrico County Police Division supports and implements Crime Prevention Through Environmental Design (CPTED), which is the theory that the proper design and effective use of the built environment can lead to a reduction in the incidence and fear of crime and an improvement in the quality of life.

The following characteristics need to be in place at this site.

1. **Natural Surveillance.** Provide natural surveillance throughout the site, especially to parking areas, buildings, building entrances, walkways, etc. Natural surveillance is the placement of physical features, activities and people in such a way as to maximize visibility.
2. **Natural Access Control.** Provide natural access control throughout the site. Natural access control is the physical guidance of people coming and going from a space by the judicious placement of entrances, exits, fencing, landscaping and lighting. The goal is to guide people where you want them to go and how you want them to get there.
3. **Territorial reinforcement.** Territorial reinforcement is the use of physical attributes that express ownership, such as fences, pavement treatments, art, signage and landscaping. The goal is to promote ownership and pride in where you live and work.
4. **Maintenance.** Allows for the continued use of space for its intended purpose. It also serves as an additional expression of ownership.

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 (804) 501-5370 or van06@co.henrico.va.us.



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