

City of Alexandria, Virginia

# **Green Sidewalks:**

## BMP Design Guidelines



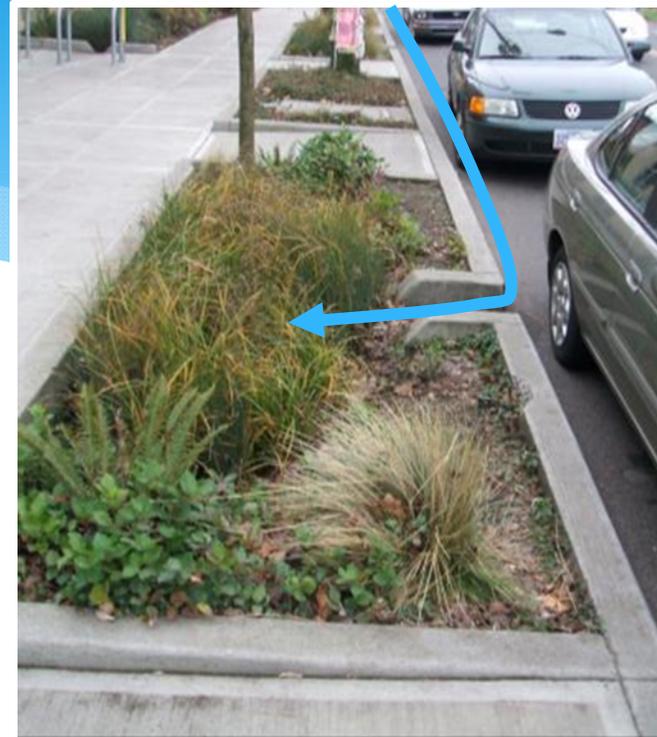
## Scope and application

- Reduces sediment, phosphorous and nitrogen from entering the storm system and ultimately the Chesapeake Bay.
- Primarily for new road / intersections which are required for development
- May be considered in certain retrofit projects
- Currently there is very little storm water treatment in the public rights of way.



Eisenhower Ave & Holland Ln

# Local Examples



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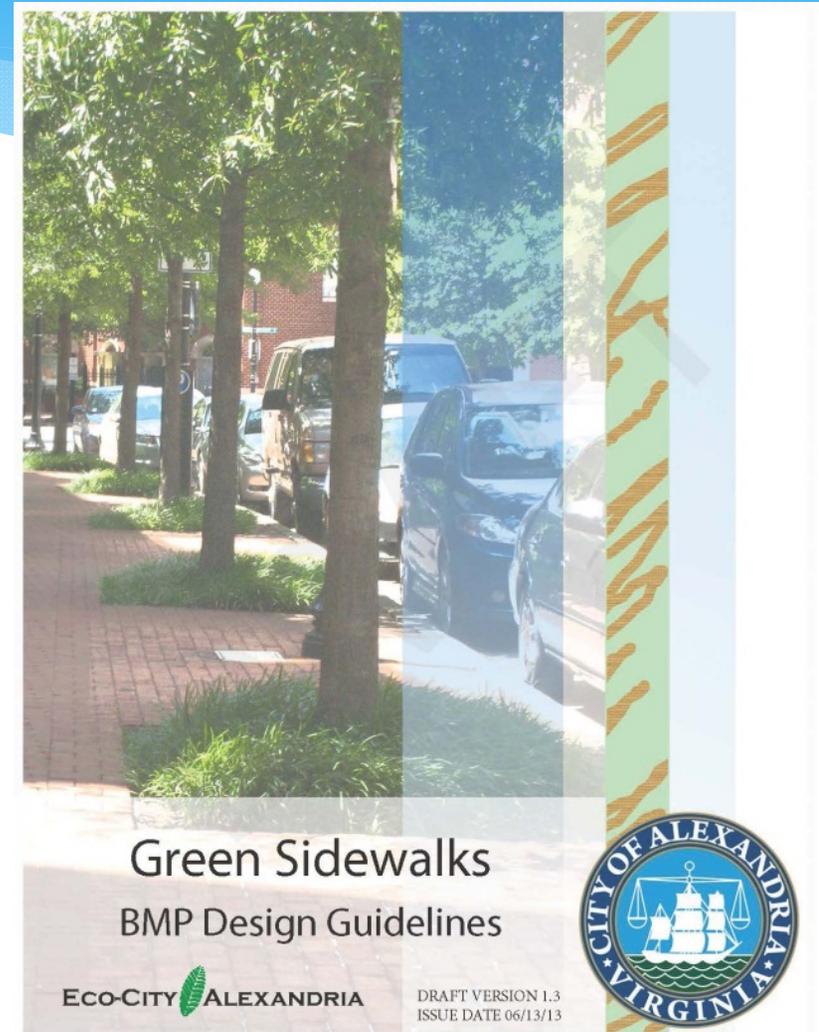
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- Installation
- Maintenance

# Draft Design Guidelines

## Process to Date

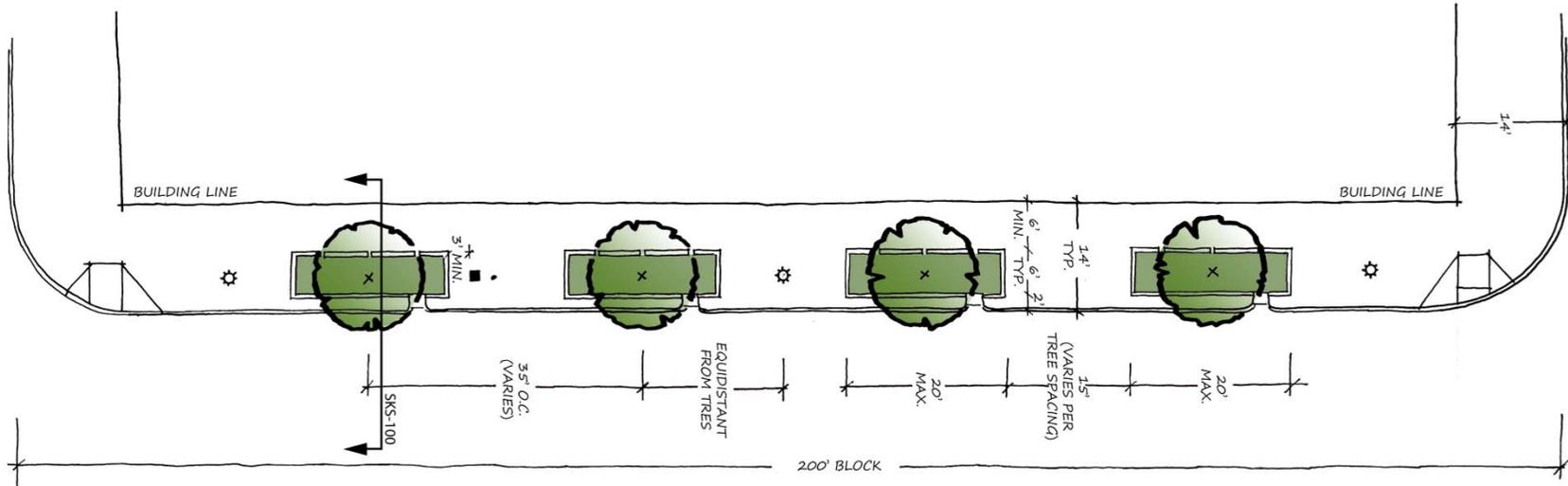
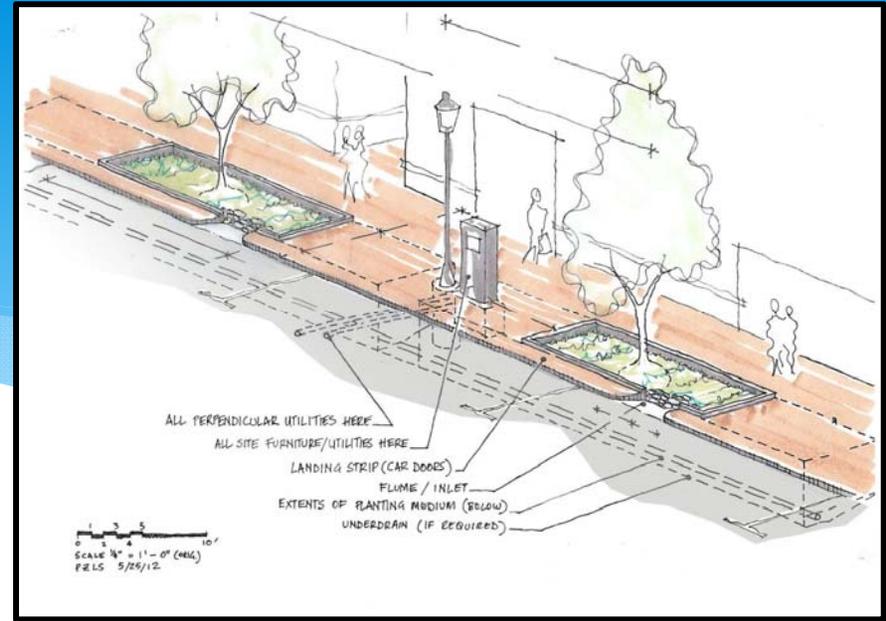
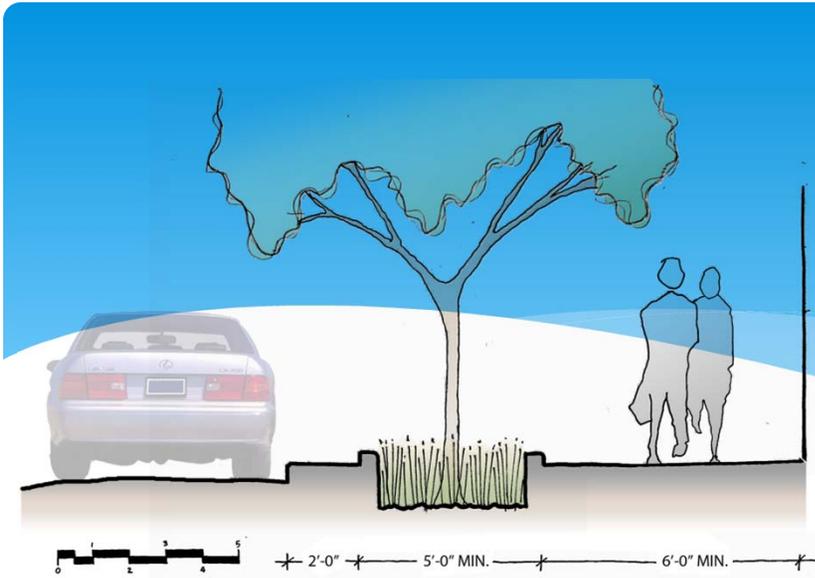
- Interdepartmental team began work in March 2012
- Multiple presentations from design experts & consultants
- Third Party Structural Review



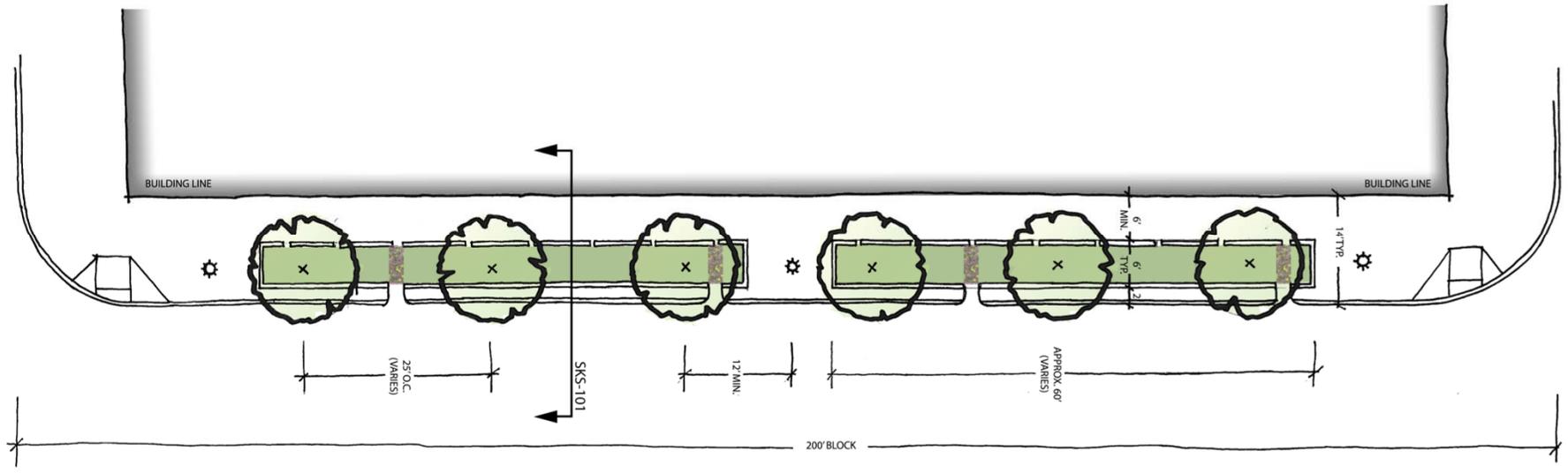
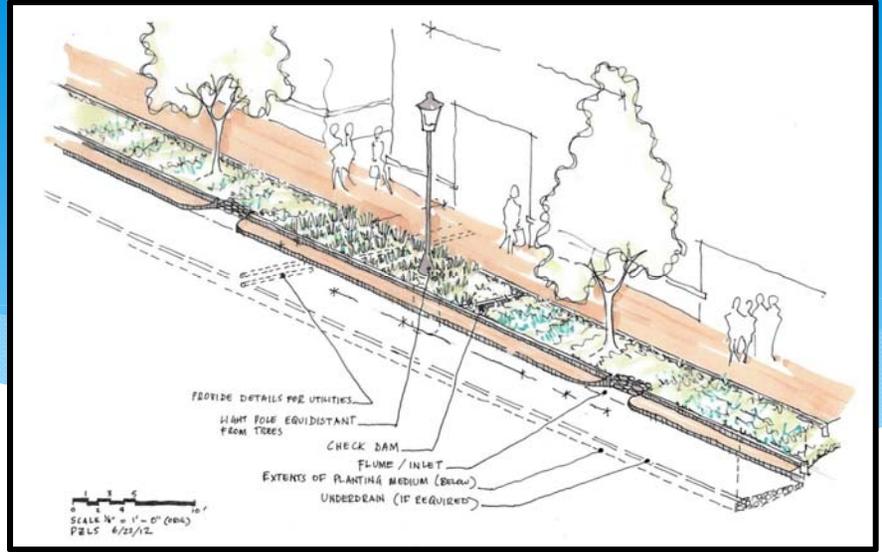
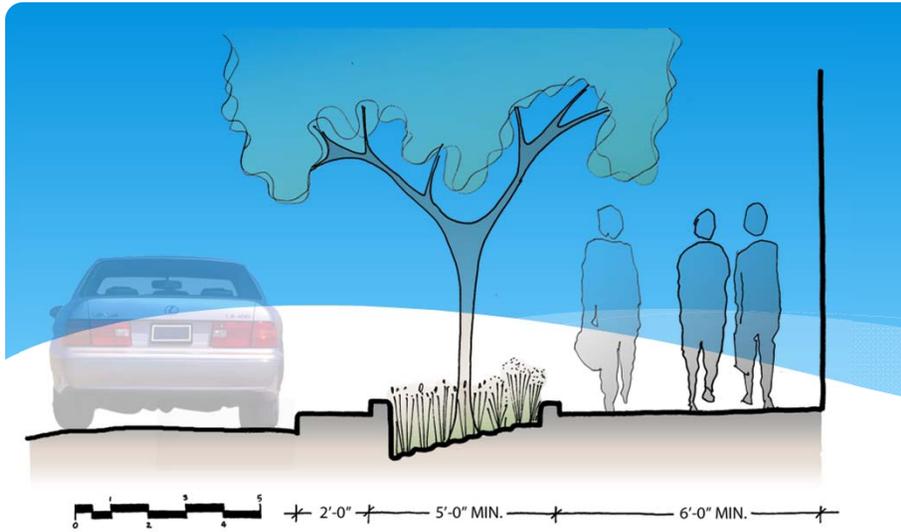
## Design & Application

4 types of facility. Design considerations include:

- Uses on the street – e.g. commercial, outdoor dining
- The location of buried utilities (to ensure conflicts between utilities and BMPs are minimized)
- Whether frequent pedestrian access along the curbside is required
- Accommodation of other streetscape features such as light poles and parking meters shall be considered from an early stage of design. The location of these features shall not compromise the visible portion of the BMP system.
- Broad compliance with existing design guidelines for an area already exist (e.g. the Carlyle Design Guidelines)



## Application #1: Tree Wells



**Application #2:**  
**Continuous strips**

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# Timing

- Public outreach September/October 2013
- Planning Commission/City as policy item Winter 2013
- Upcoming projects:
  - Eisenhower Ave Improvements (currently under design)
  - Master plan areas such as Beauregard



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Questions?

