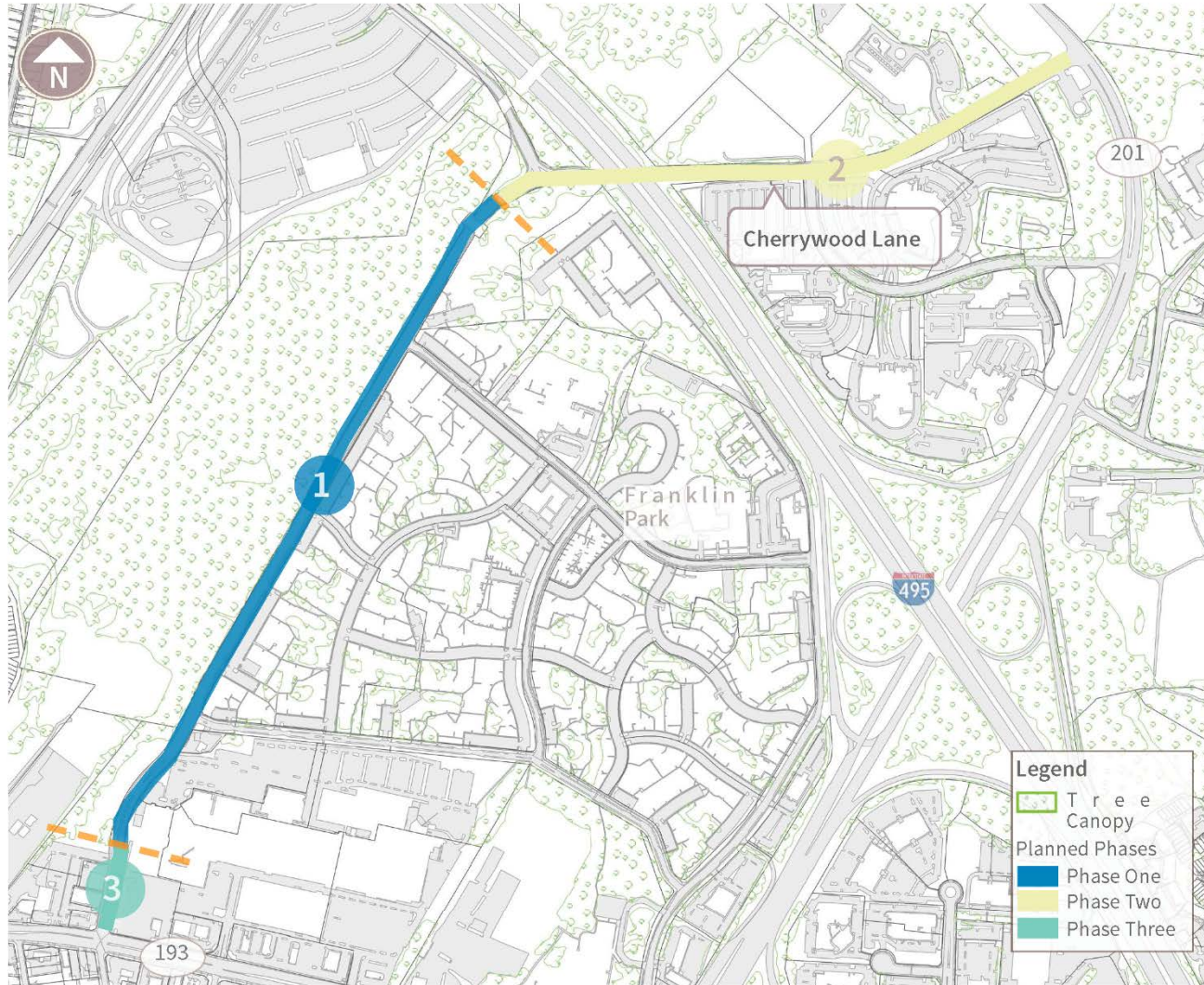


Cherrywood Lane Complete and Green Street Project

July 2019



Site Vicinity Map



The 1.5 mile Cherrywood Lane will be retrofitted in three phases.

Aerial Image of Site Area



Aerial Image – Looking North-West

Existing Conditions

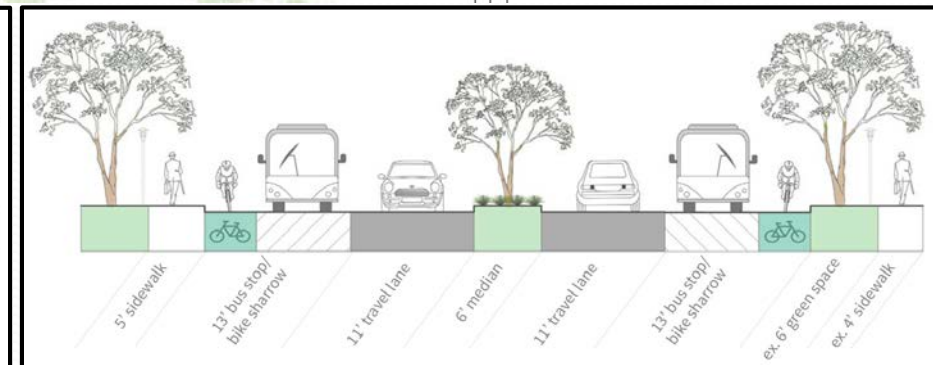
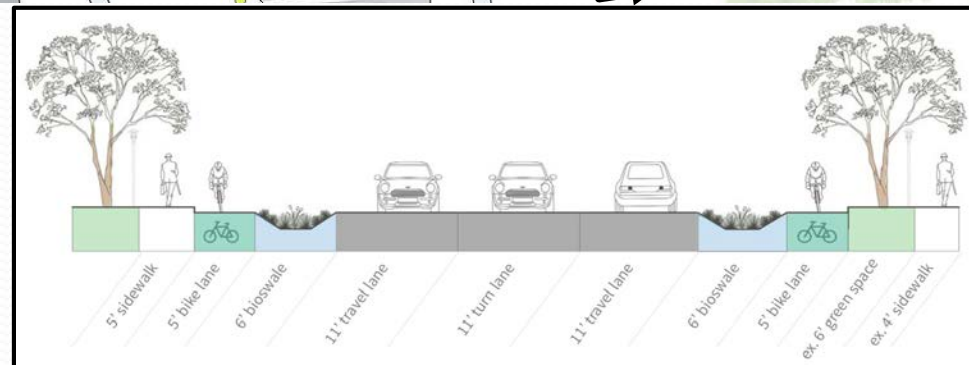
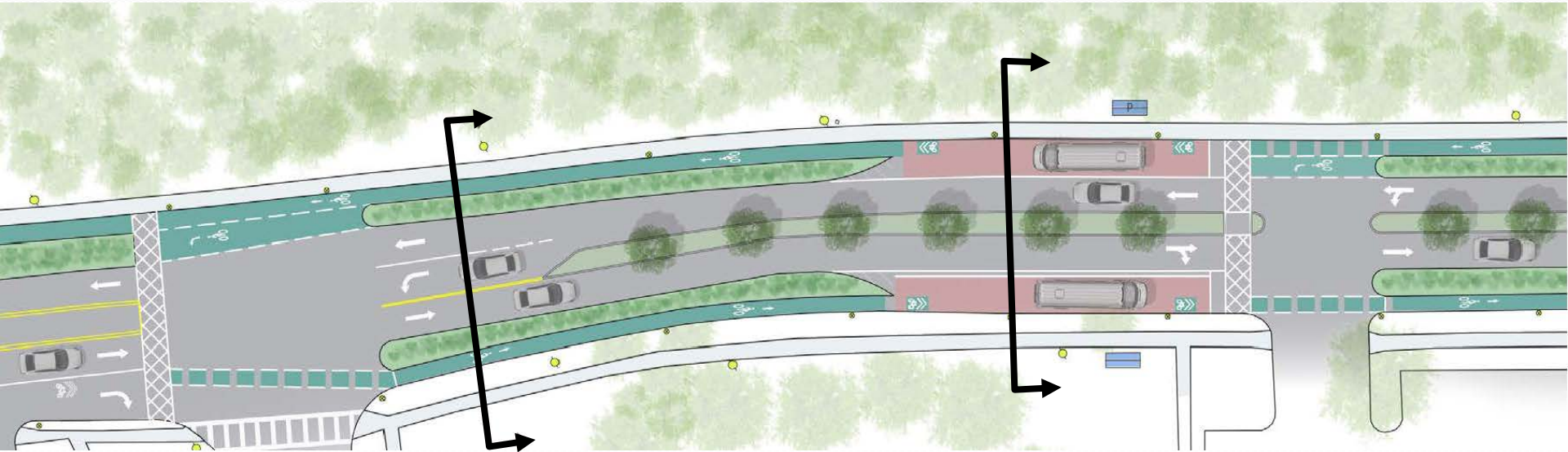


Looking towards Cherrywood Lane from roundabout
at Cherrywood Ln and Greenbelt Metro Dr

Project Goals

- Increase walkability by enhancing safety and convenience and strategically improving and expanding the sidewalk system
- Ensure pedestrian access to Greenbelt's transit system, recreational trails, and nearby neighborhoods such as Franklin Park at Greenbelt Station
- Provide access to transit stop facilities for the full range of users
- Physically protect the bike lane, wherever possible, with the use of bioretention, flexible posts, or other methods to separate bikes from cars
- Reduce impervious area and incorporate green stormwater infrastructure features such as grass channel, bioswales, and tree plantings within the right-of-way

Preliminary Design Concept Report



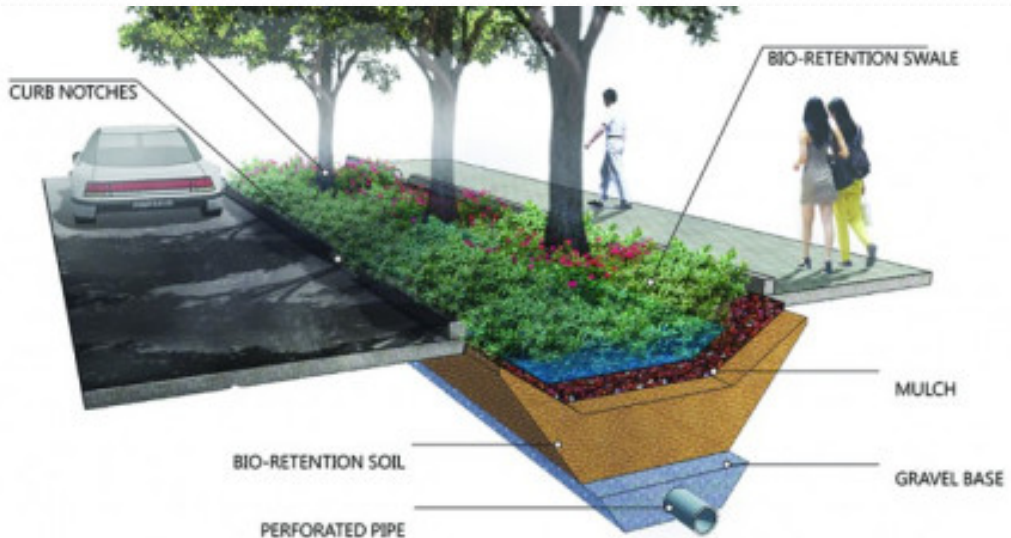
- Medians
- Bike Lanes
- Sidewalk along West Side of Road

- Stormwater Management facilities
- Bus Stops
- Pedestrian Lighting

Stormwater Management

- Bioswales

- Contains layers of mulch, filter media, and perforated underdrains in gravel.
- Overflow structures collect larger storm events and convey storm flows to existing storm drain.
- Stormwater treatment credit is provided based on storage volume in temporary pooling water on the surface and within the filter media.
- Due to site constraints (size of swales, road slope), the treatment achieved is only a portion of the requirements for the contributing drainage area. Recommend using grass swales at these locations.

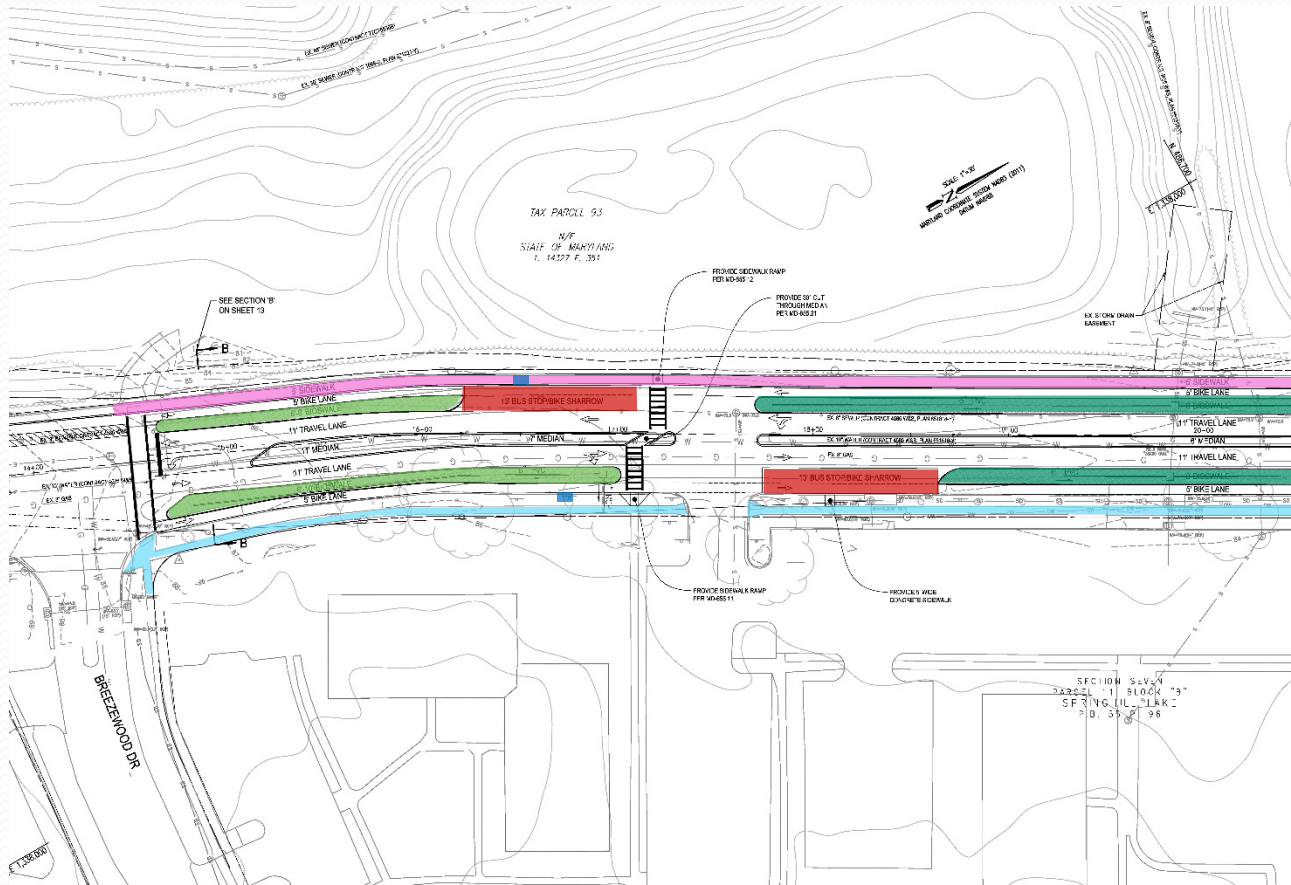


Stormwater Management

- Grass Channels
 - Grass swales are best suited along highway and roadway projects.
 - Stormwater treatment credit provided by meeting design targets for depth of flow and velocity.
 - Reduced conflicts with utilities.



Proposed Design



Legend

- Existing Sidewalk
- Existing Bus Stop
- Grass Channel
- Proposed Sidewalk
- Proposed Bus Stop
- Bioswale

