

South Eads Street Complete Streets Project

Phase 1: Army Navy Drive to 12th Street South

Spring 2022 Design Update

DES - Transportation

Ariel Yang, Project Manager
Nate Graham, Public Engagement

May 2022



Project Overview & Background



S. Eads Street: Army Navy Drive to 12th Street South



Existing conditions photos

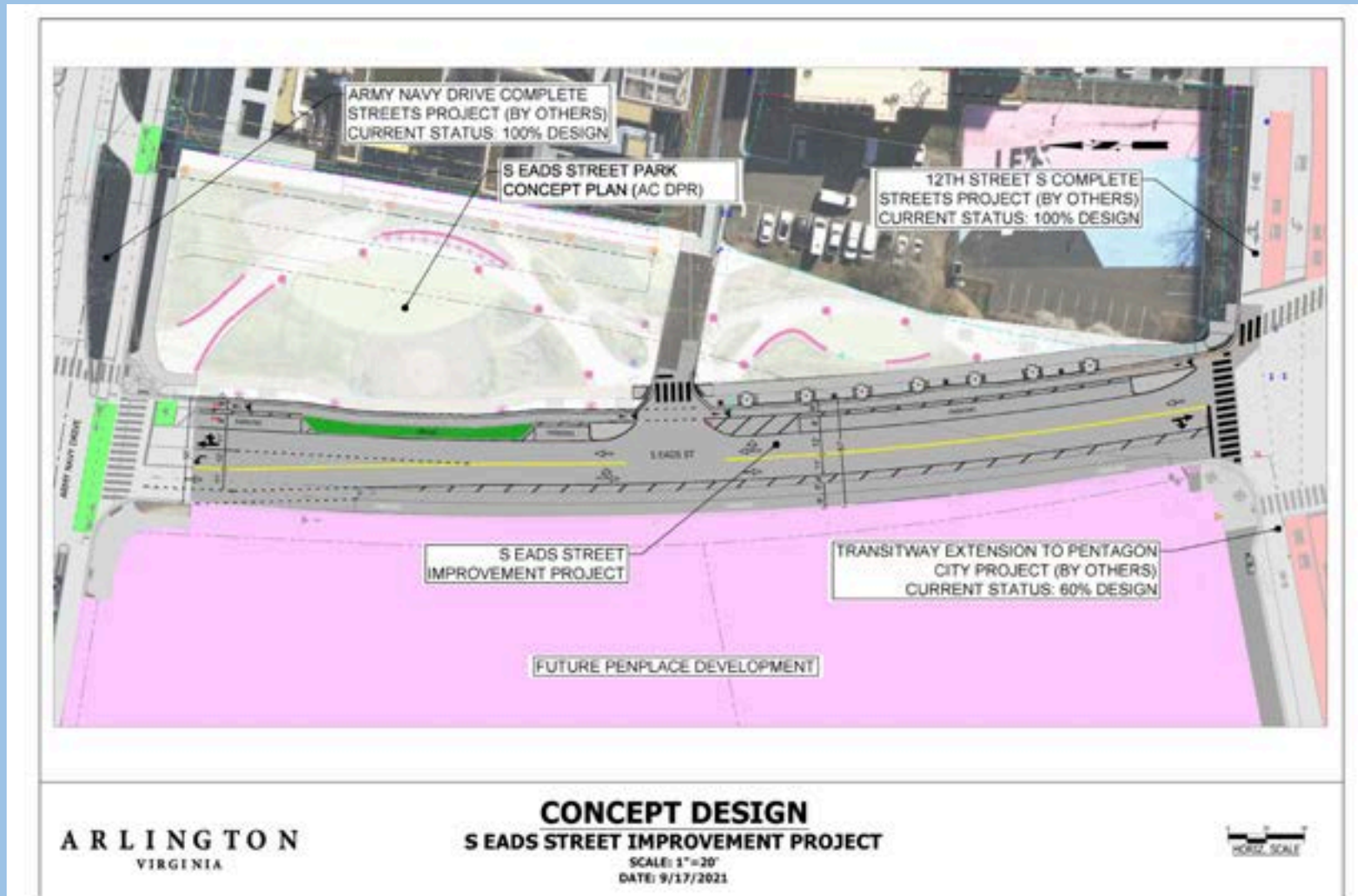
Project Background & Goals

Phase One of South Eads Street Improvements will upgrade the northbound bicycle facility and sidewalk. Phase one design is coordinated with the adjacent DPR New Park at Eads design.

- Planning Basis:
 - Master Transportation Plan
 - Crystal City Sector Plan
 - Complete streets guidance
- Project Goals:
 - Fill a key gap in multimodal network for new development in Crystal City
 - Safety improvements for all users
 - Integration with New Park at Eads



Original Design Concept – Winter 2021



Community Feedback

Winter 2021 Engagement



Conceptual Design Feedback



Bicycle Concerns

- Better protection for protected bike lane



Surrounding Areas

- Coordination with adjacent county projects:
 - Army Navy Drive Complete Streets Project
 - DPR New Park at Eads Project
- Coordination with Pen Place improvements



Vehicular Concerns

- Turning radii at 11th Street South and 12th Street South seem wide



Other Comments Received

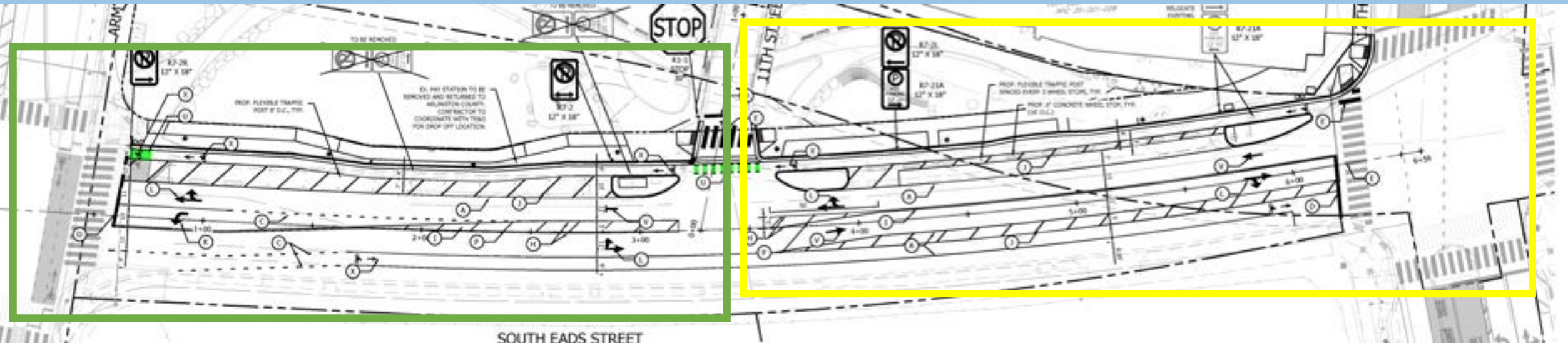
- Opportunities for plantings in the proposed median in northbound South Eads Street

Revised Concept

Spring 2022



Final Design Concept – Spring 2022

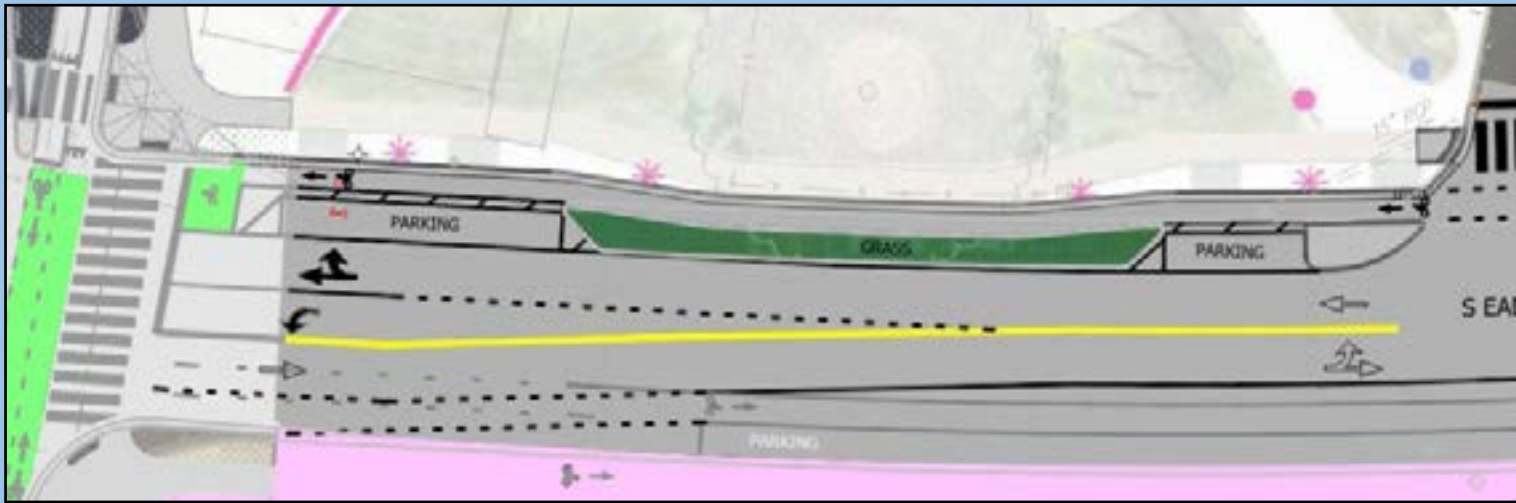


- To help you navigate changes since the original concept design, we've divided the project area into two parts:
- The northern block from Army Navy Drive to 11th Street South (green)
 - The southern block from 11th Street South to 12th Street South (yellow)

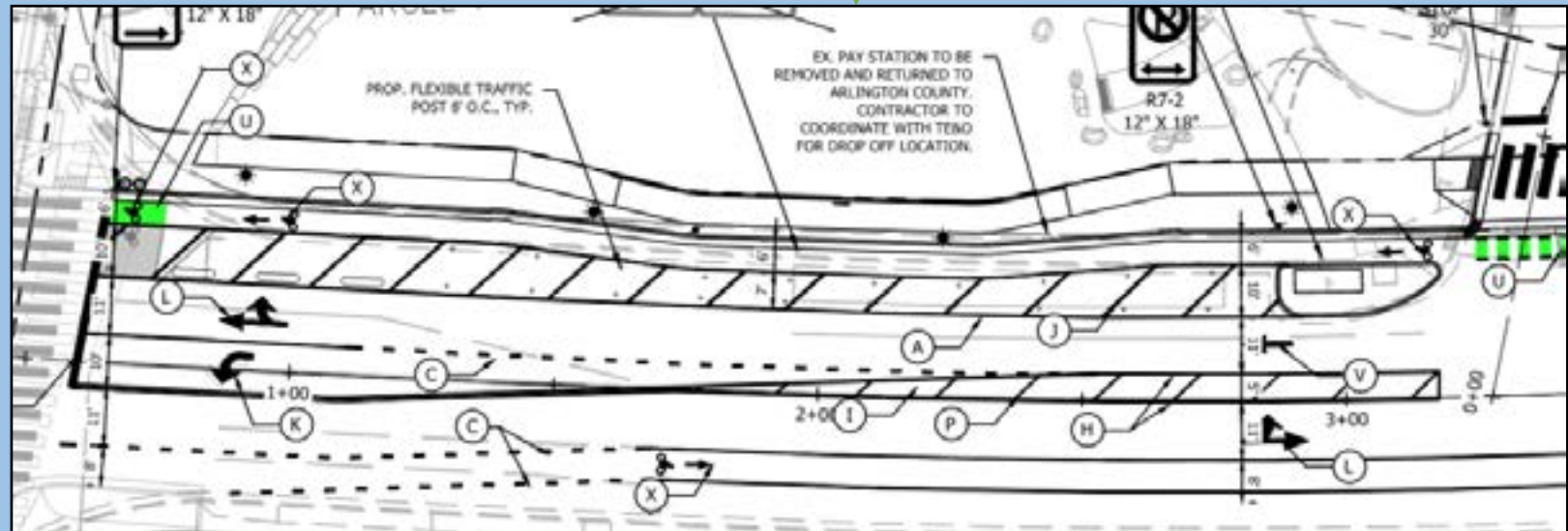
Let's Focus on Army Navy Drive to 11th Street South:



Final concept



Initial concept



Army Navy Drive to 11th Street South

- Adjusted bike box in northbound South Eads Street at Army Navy Drive in coordination of final Pen Place striping plan on South Eads Street.



Initial concept



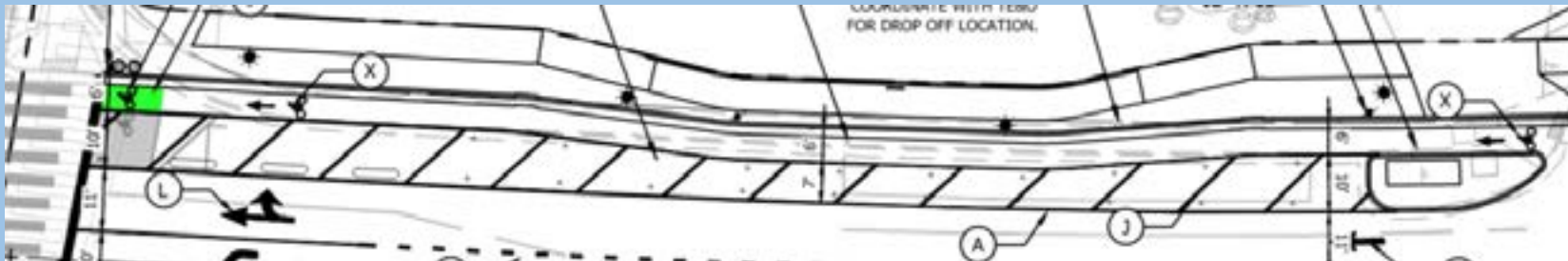
Final concept

Army Navy Drive to 11th Street South

- Added curb stops and bollards for vertical separation for the protected bike lane.
- Removed median refuge in coordination with final Pen Place striping.



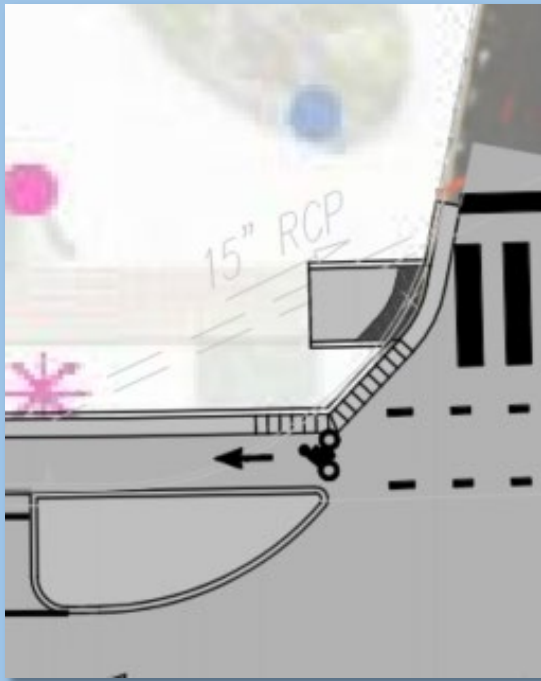
Initial concept



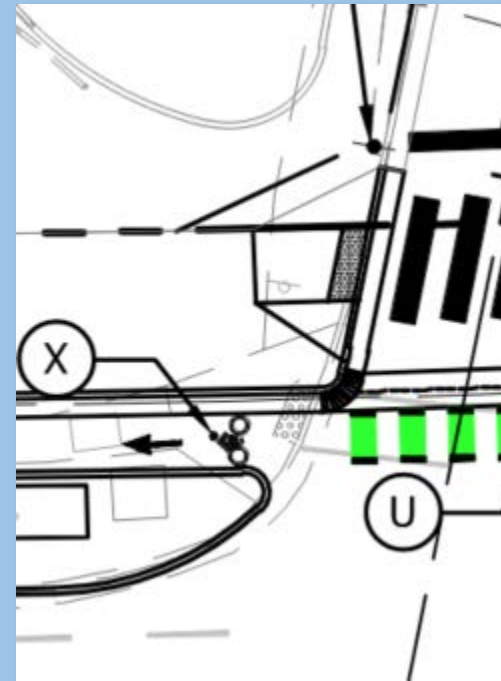
Final concept

Army Navy Drive to 11th Street South

- Adjusted curb radius to address community feedback while accommodating SU-30 (single unit truck 30-ft in length) truck turning.



Initial concept

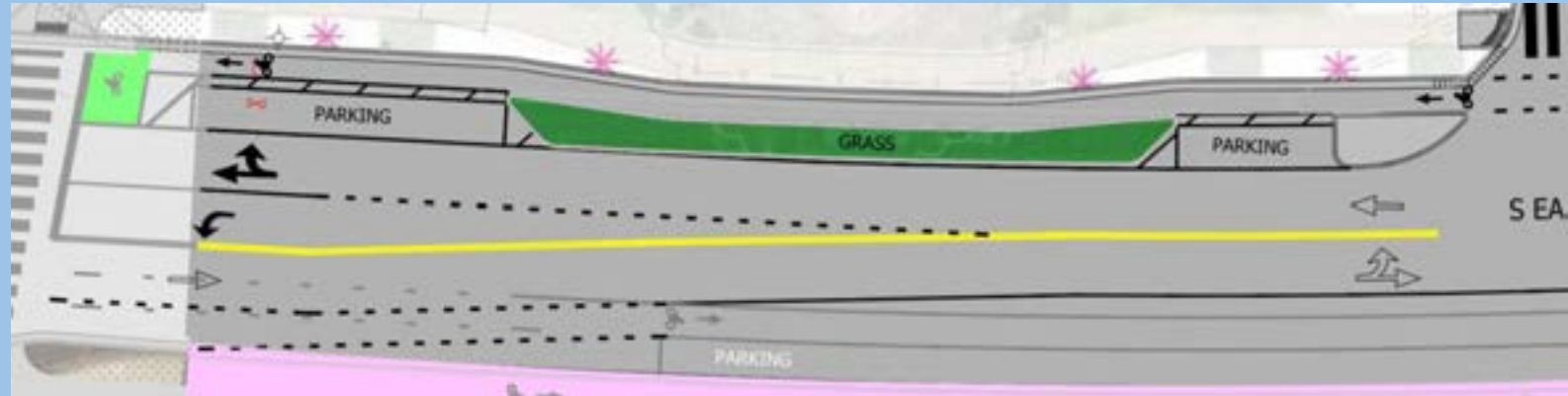


Final concept

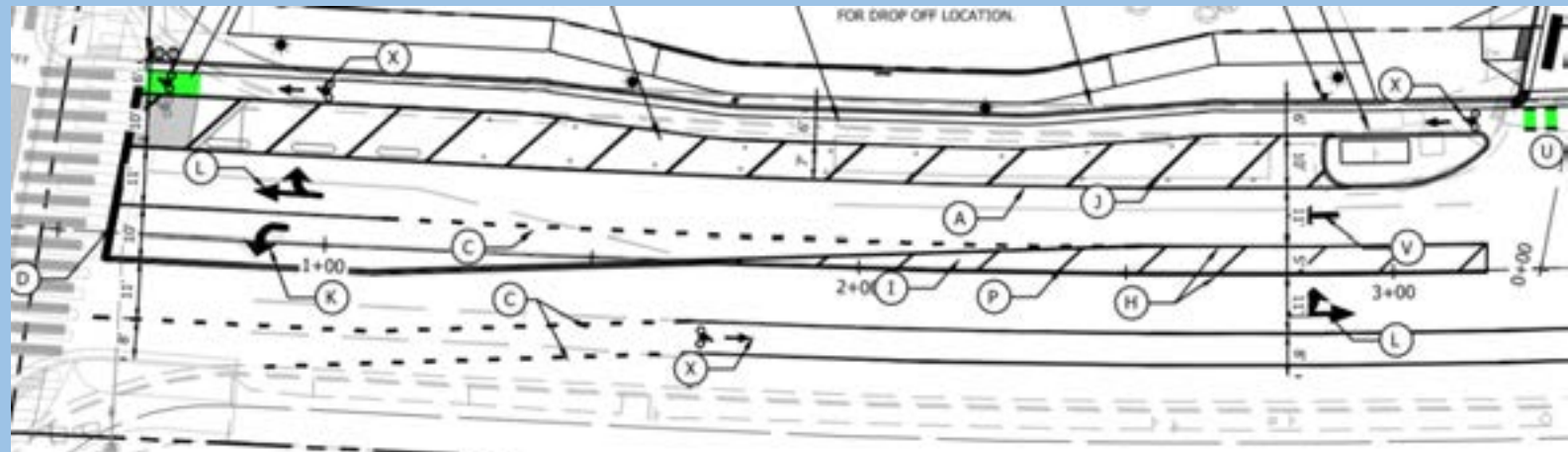
Army Navy Drive to 11th Street South

- Adjusted bike lane striping on southbound Eads Street for interim condition until Pen Place is constructed.

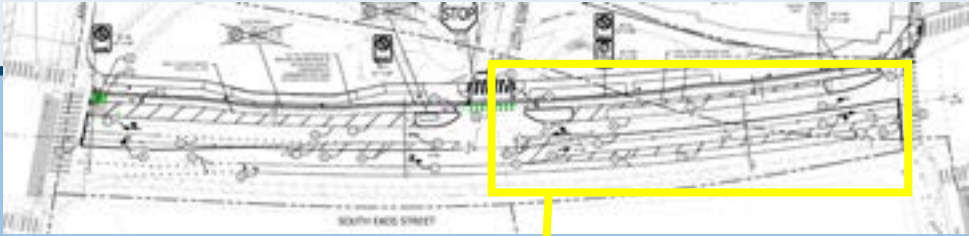
Initial concept



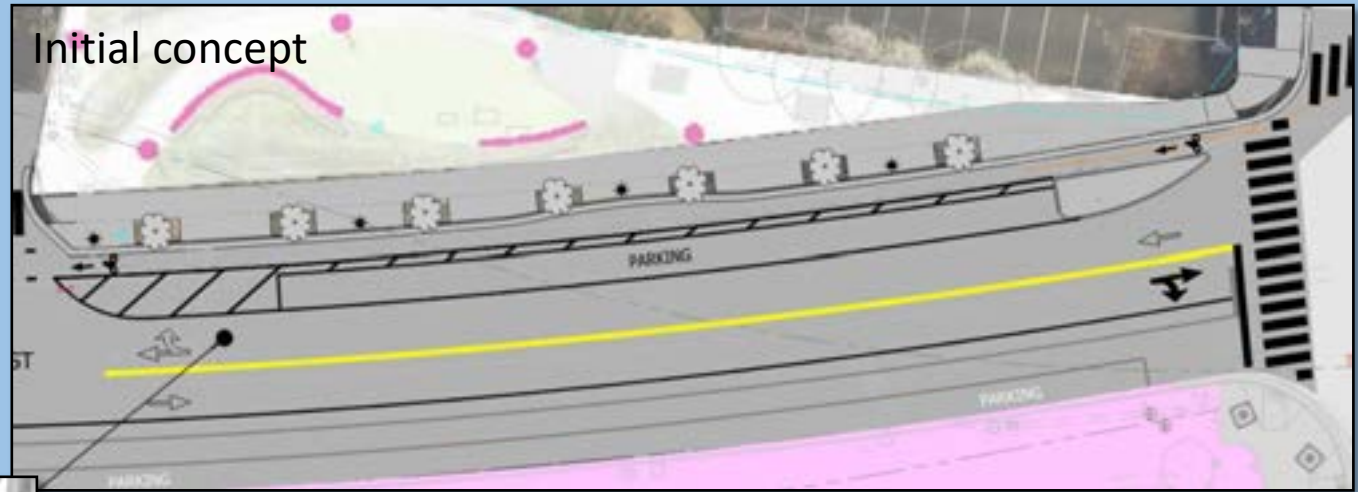
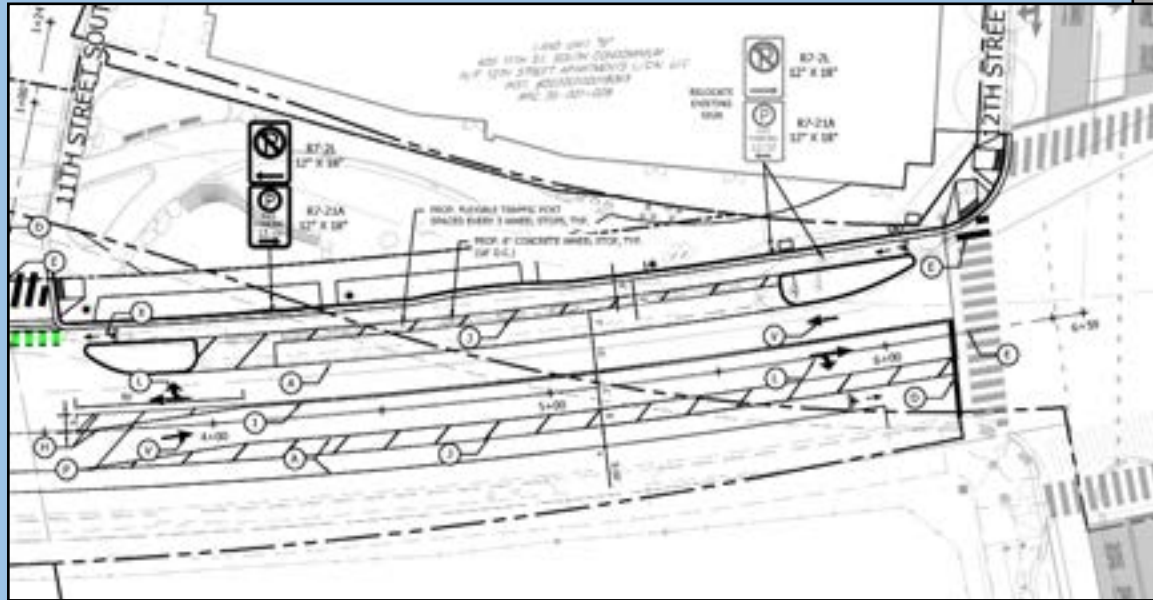
Final concept



Next, Let's Focus on 11th Street S to 12th Street S

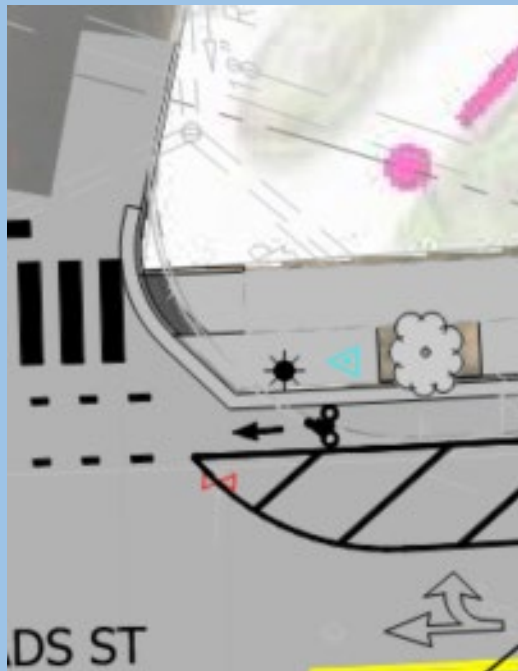


Final concept

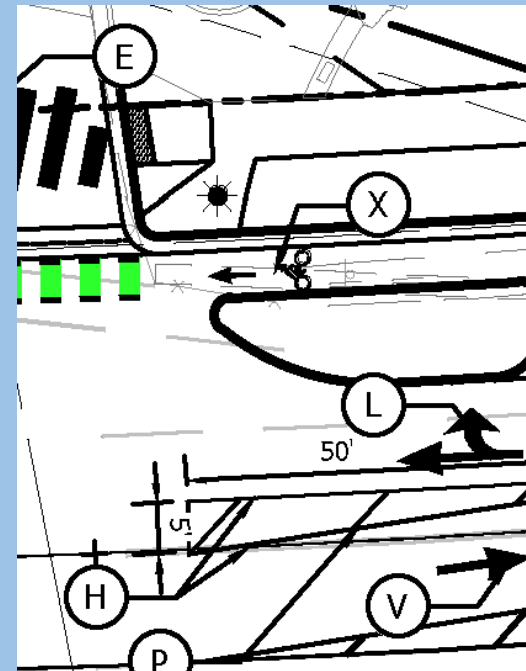


11th Street South to 12th Street South

- Adjusted curb radius to address community feedback while accommodating SU-30 (single unit truck, 30-ft in length) vehicle turning radius.



Initial concept



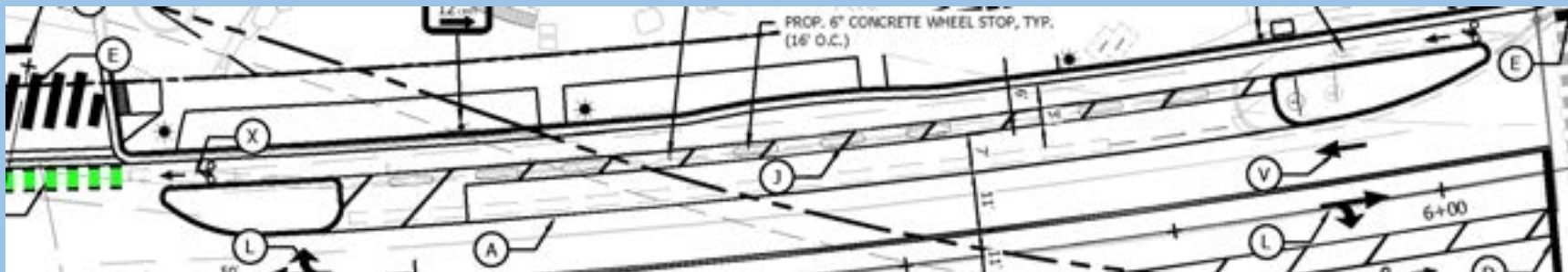
Final concept

11th Street South to 12th Street South

- Added curb stops and bollards for vertical separation for the protected bike lane. One flexible post for every three curb stops.
- Added relocated I-395 Express Lanes sign to island.



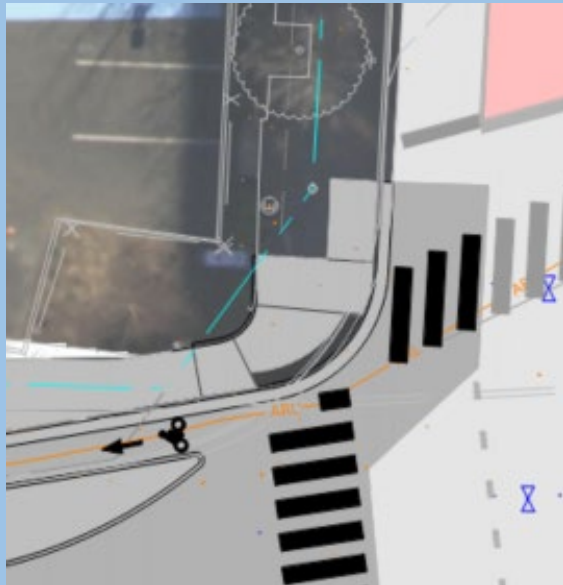
Initial concept



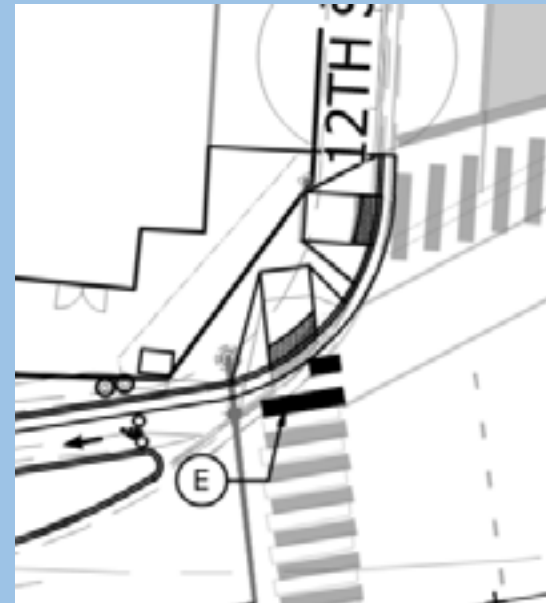
Final concept

11th Street South to 12th Street South

- Adjusted curb radius to accommodate bus and emergency vehicle turning.



Initial concept

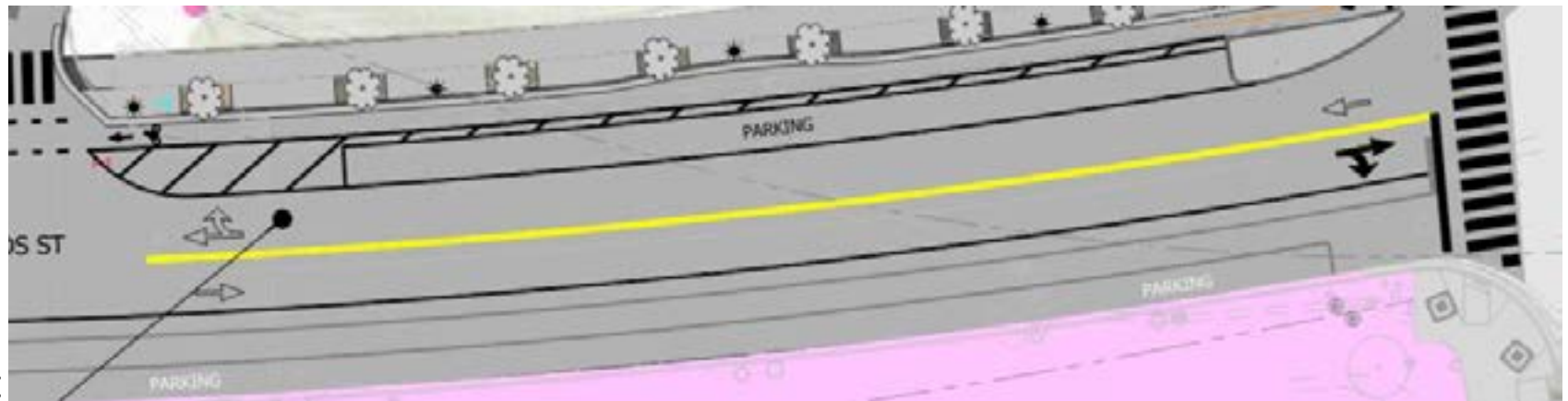


Final concept

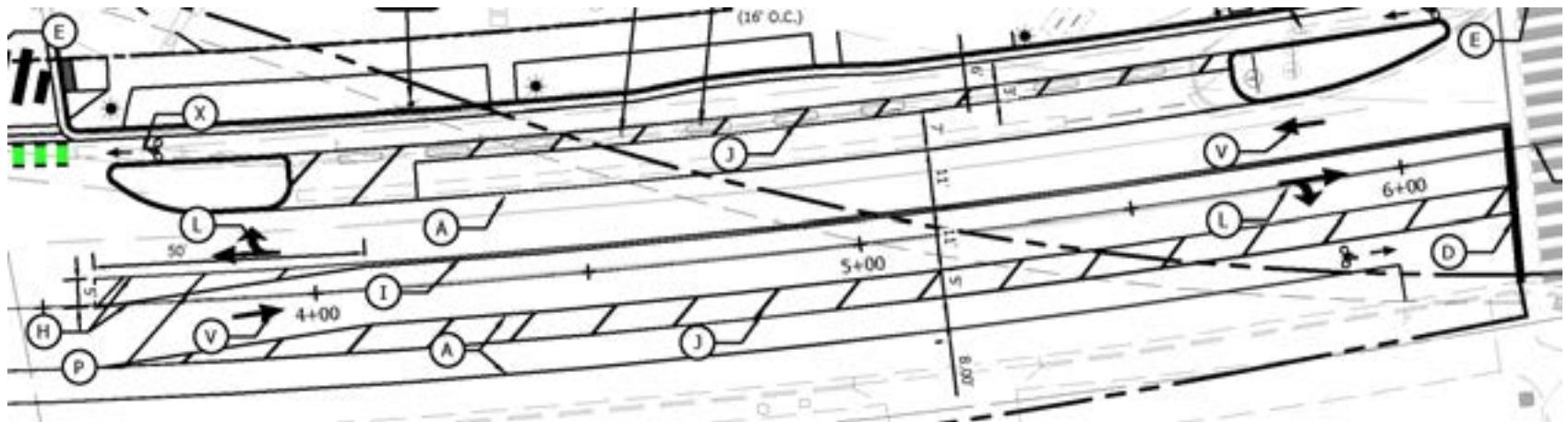
11th Street South to 12th Street South

- Adjusted bike lane striping on southbound Eads Street for interim condition until Pen Place is constructed.

Initial concept



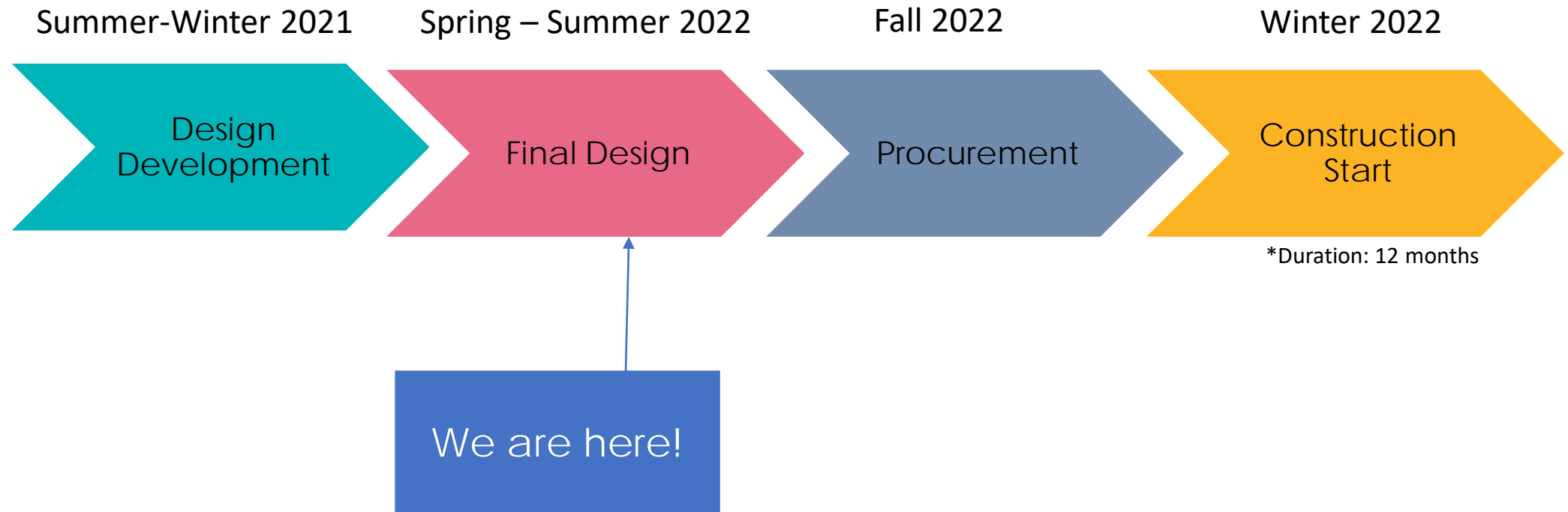
Final concept



Next Steps



Next Steps



Questions?

Submit to: Ariel Yang
Project Manager
ayang@arlingtonva.us

Nate Graham
Public Engagement
nsgraham@arlingtonva.us

Thank you!

