

South Eads Street Complete Streets Project

Phase 1: Army Navy Drive to 12th Street South

Winter 2022/2023 Design Update

DES - Transportation

Ariel Yang, Project Manager
Nate Graham, Public Engagement

February 2023



Project Overview & Background



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



View facing south from Army Navy Drive



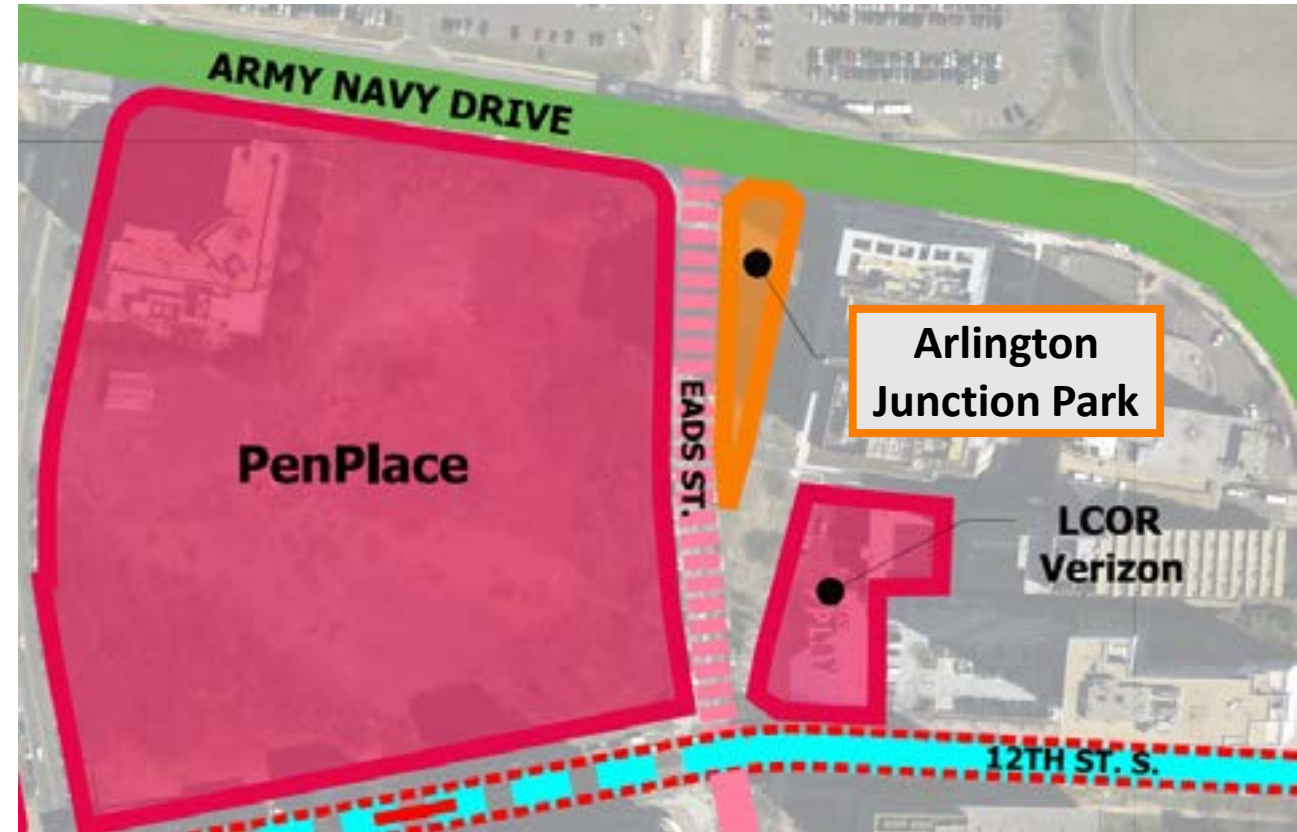
North from 12th Street S.

Project Background & Goals

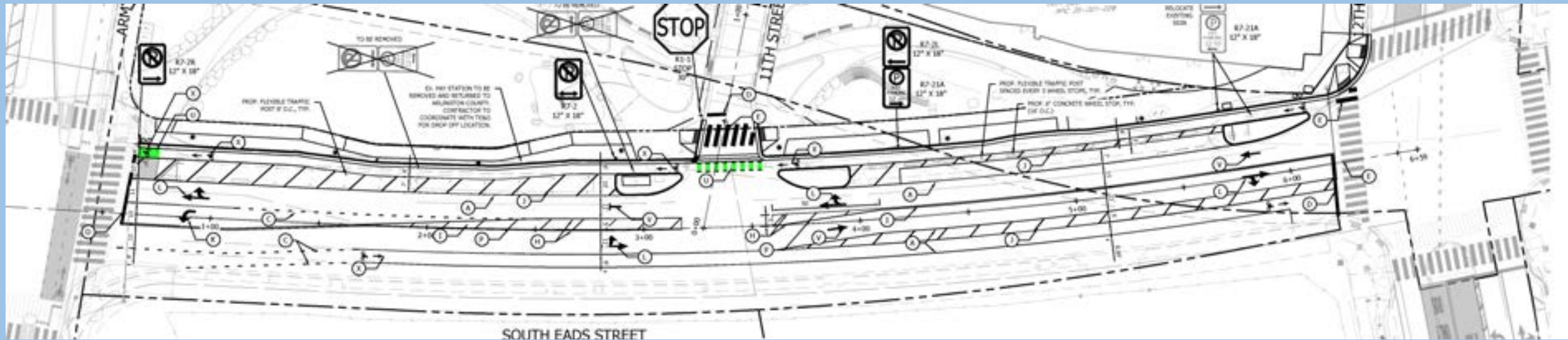
Phase One of South Eads Street Improvements will upgrade the northbound bicycle facility and sidewalk.

Design is coordinated with the adjacent DPR park and PenPlace development.

- Planning Basis:
 - Master Transportation Plan
 - Crystal City Sector Plan
 - Complete Streets Policy
- Project Goals:
 - Fill a key gap in multimodal network for new development in Crystal City/Pentagon City
 - Safety improvements for all users
 - Integration with New Park at Eads & Army Navy



Final Concept – Spring 2022



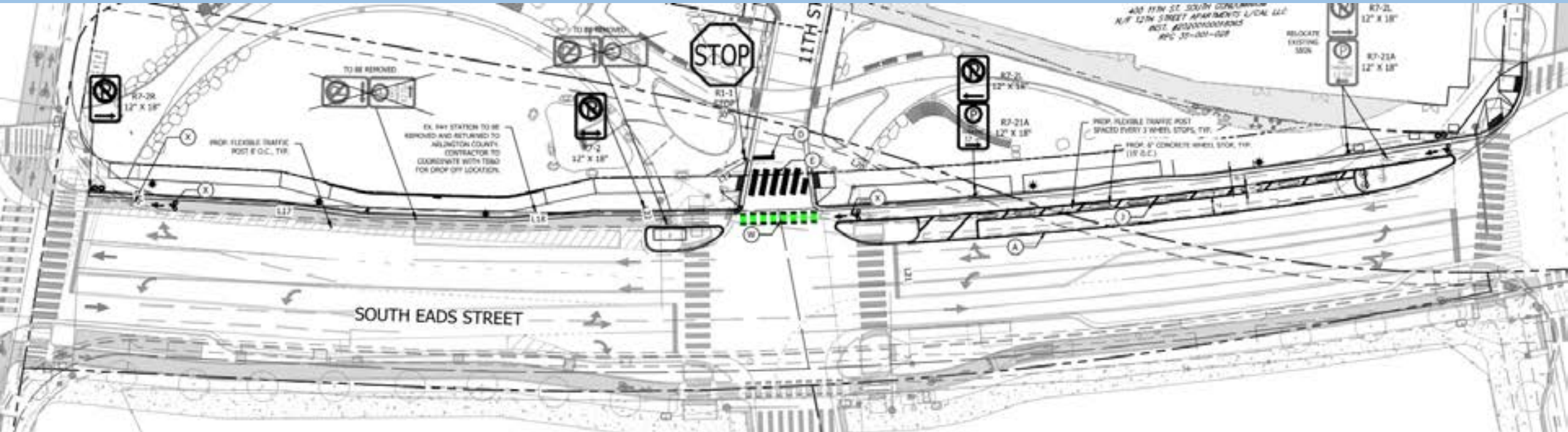
Here's the final concept design we developed with your input in Spring 2022.

Final Engineering Design

Winter 2022

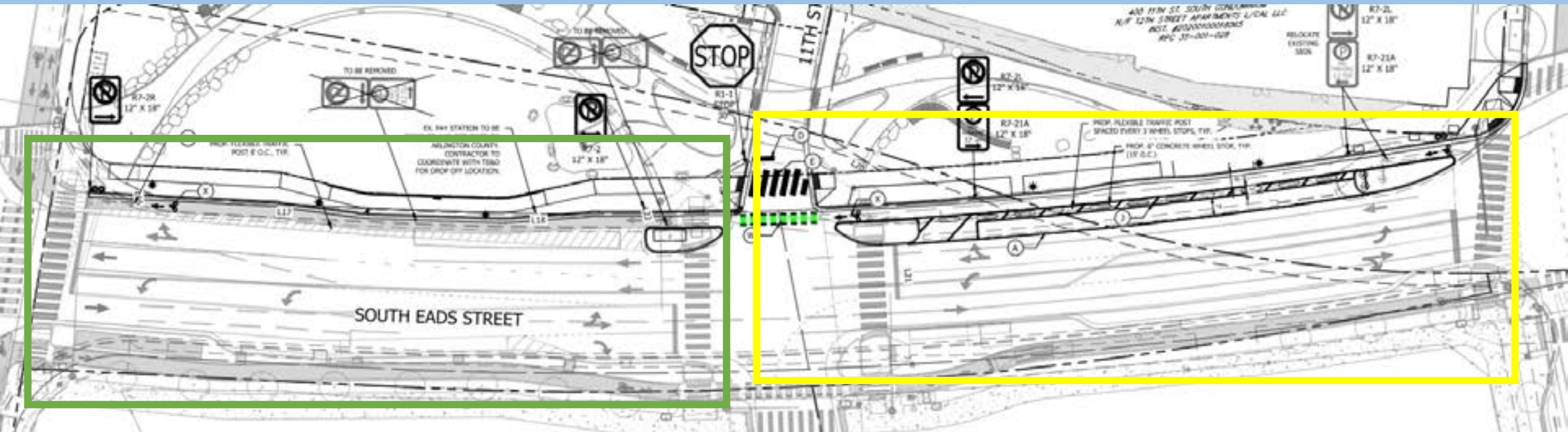


Final Engineering Design – Winter 2022



Following the County Board approval of the PenPlace Site Plan in Spring 2022, the project team began developing the final engineering design for this project, balancing the key elements of the final concept design with the approved designs from the site plan.

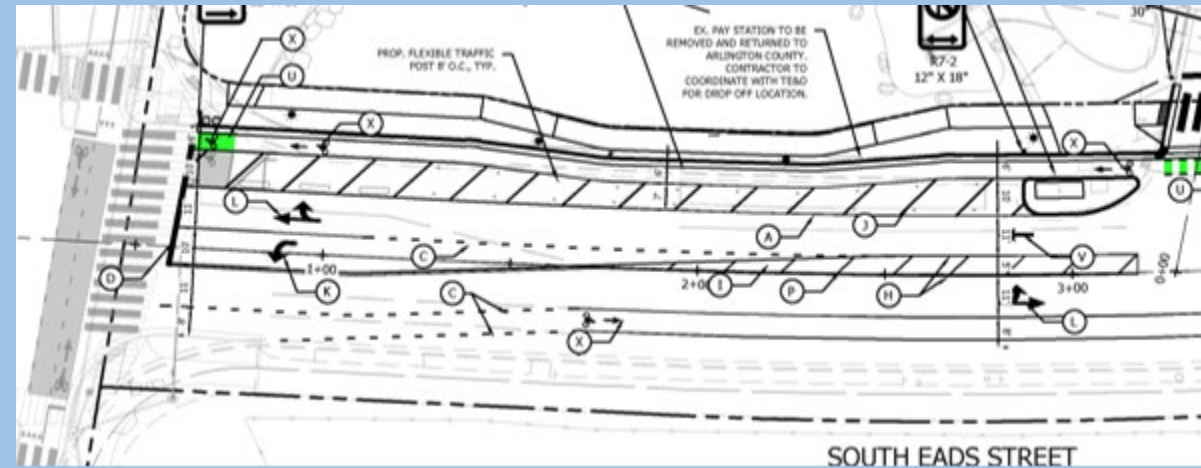
Final Engineering Design – Winter 2022



To help you navigate changes since the final concept, 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)

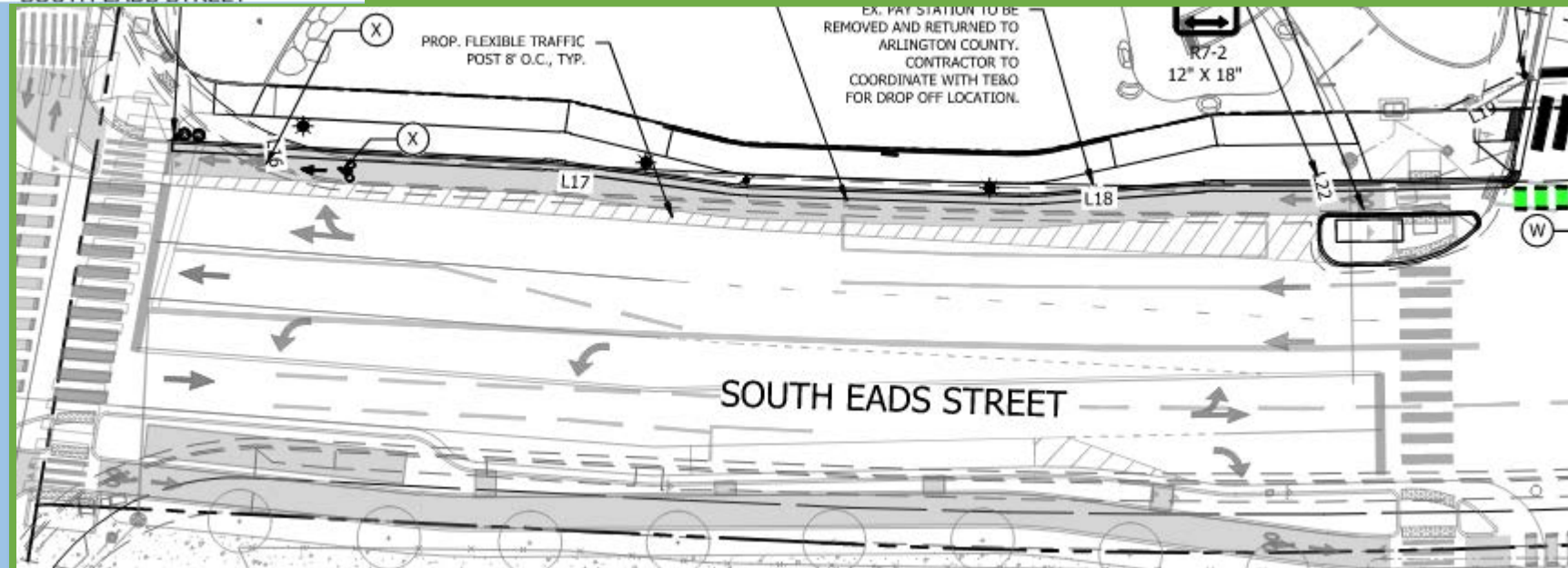
Let's Focus on Army Navy Drive to 11th Street South:



Final Concept (Spring 2022)



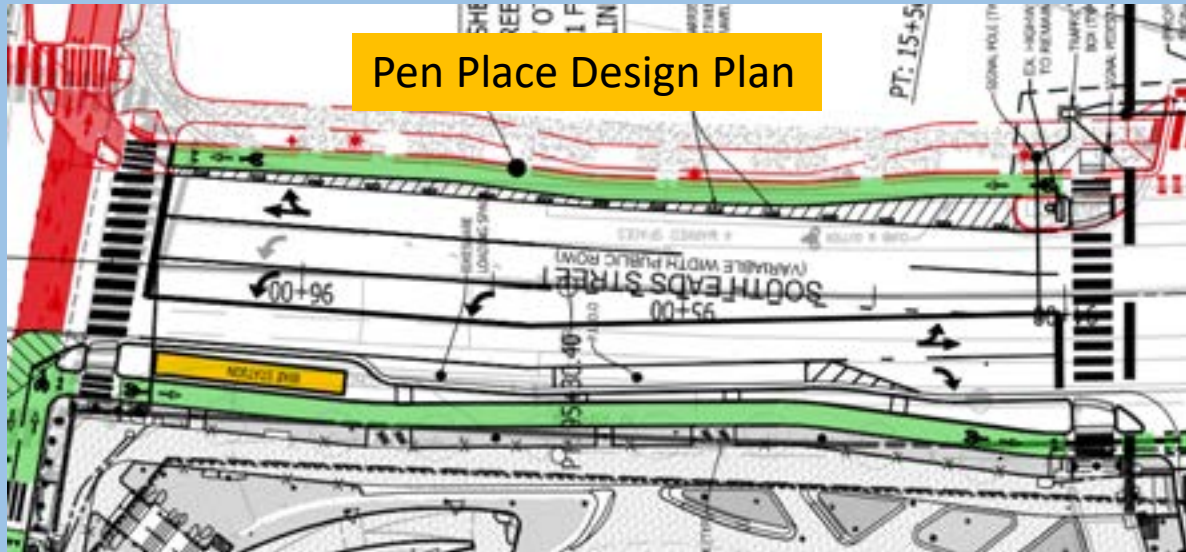
Final Engineering Plan (Winter 2022)



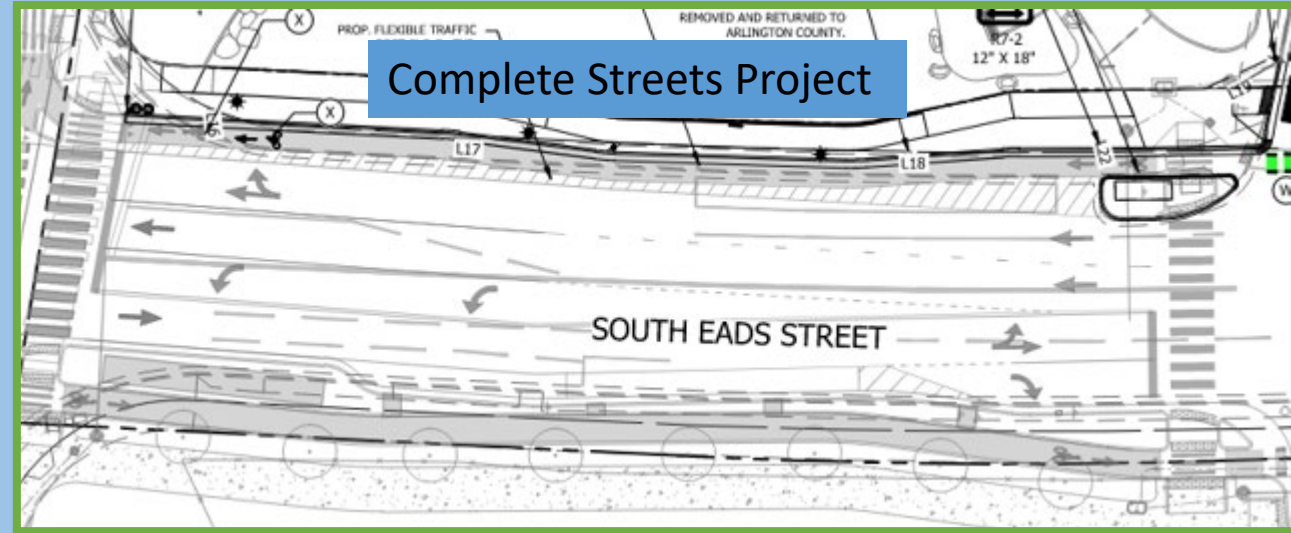
Army Navy Drive to 11th Street South

- Adjusted northbound travel lanes and bike lane striping on Eads Street, while holding the eastern curb line the same, to reflect final curb and striping to be installed by Pen Place when completed.

Pen Place Design Plan



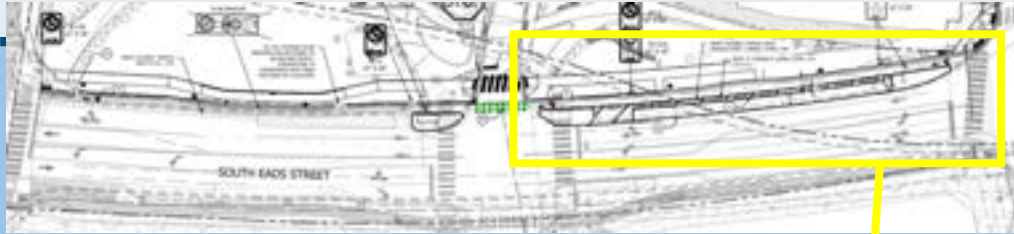
Complete Streets Project



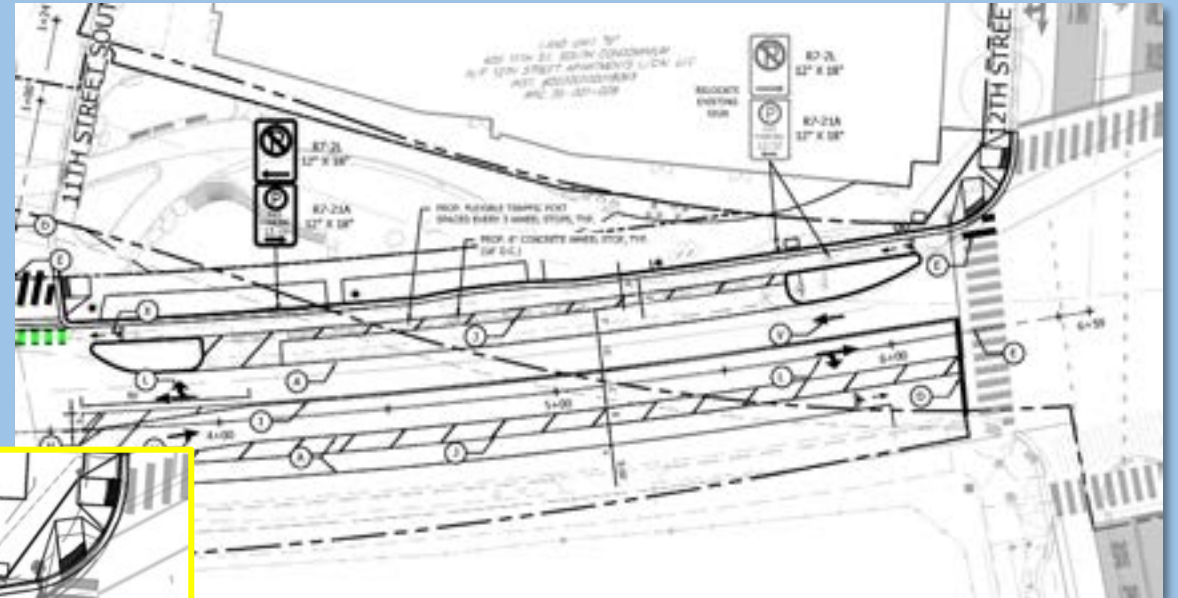
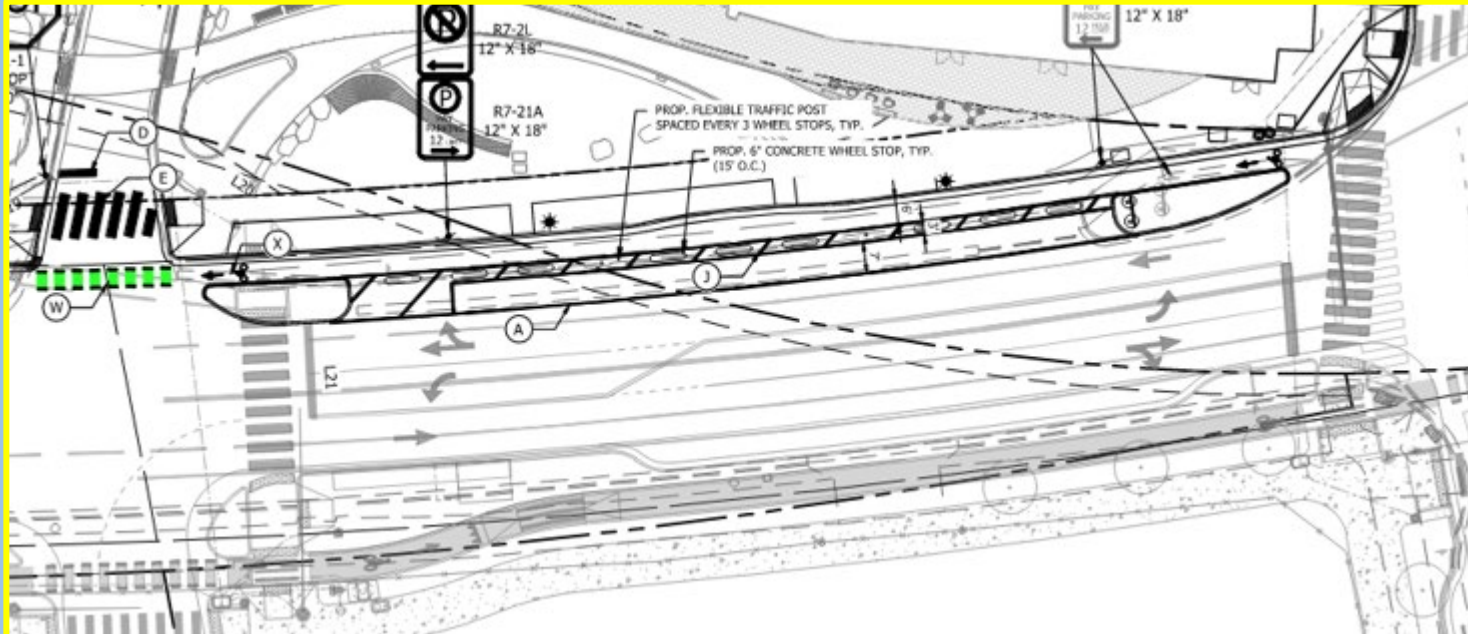
Key Changes
from Concept:

- The northbound bike lane buffer will be reduced
- The southbound bike lane will be moved behind the western curb
- Per the approved PenPlace site plan, an additional travel lane and turn lanes will be provided as part of the final condition.

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



Final Engineering Plan (Winter 2022)

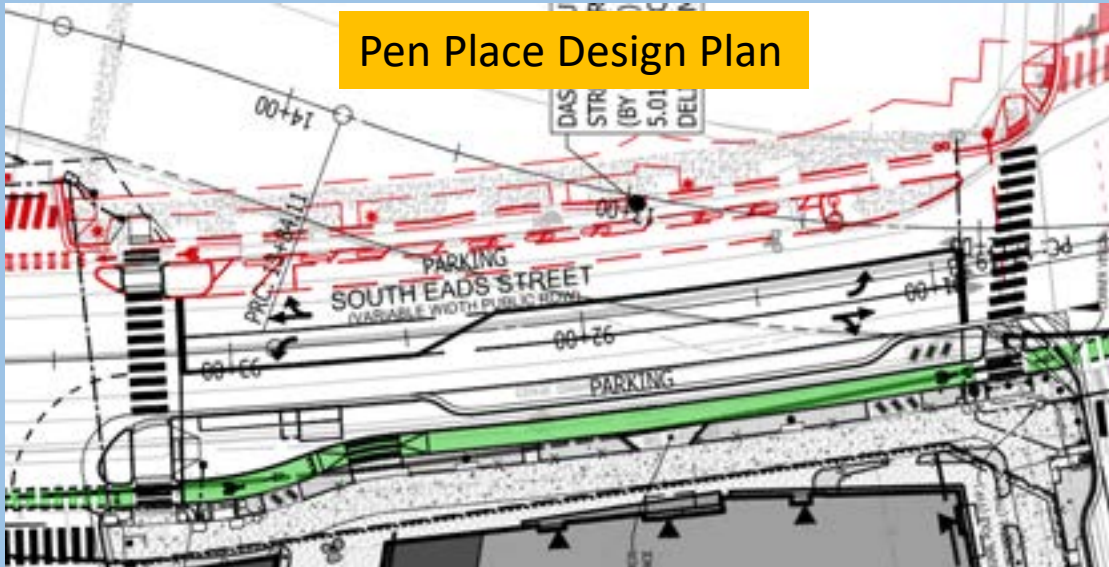


Final Concept (Spring 2022)

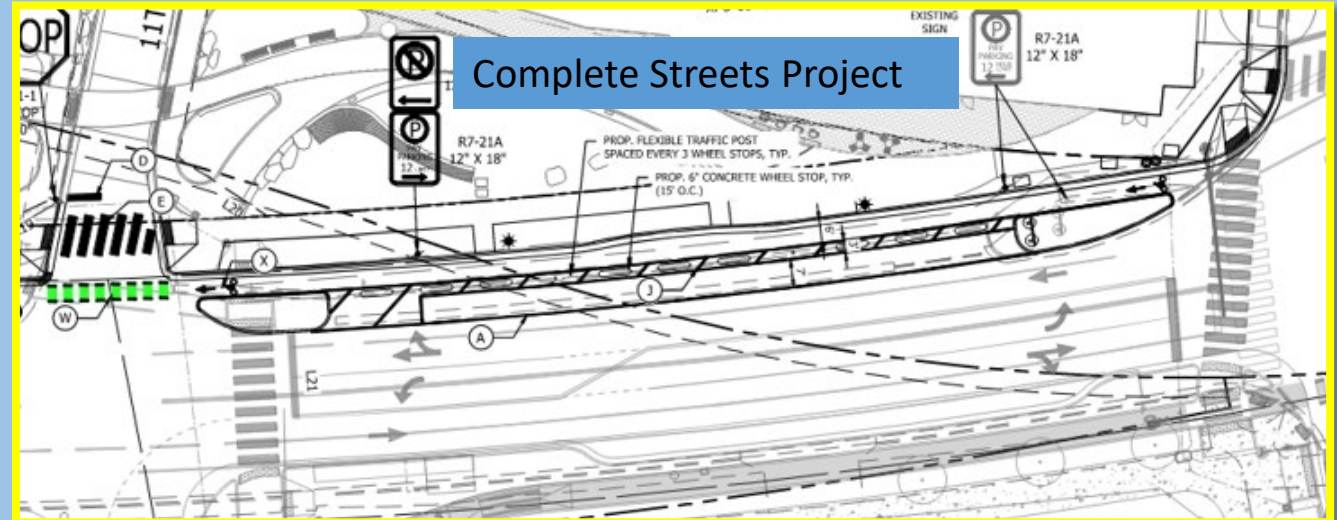
11th Street South to 12th Street South

- Adjusted northbound travel lanes and bike lane striping on Eads Street, while holding the eastern curb line the same, to reflect final striping to be installed by Pen Place when Pen Place is completed.
- Proposed one flexible traffic post spaced per every three wheel stops as vertical separation for bike lane.

Pen Place Design Plan



Complete Streets Project



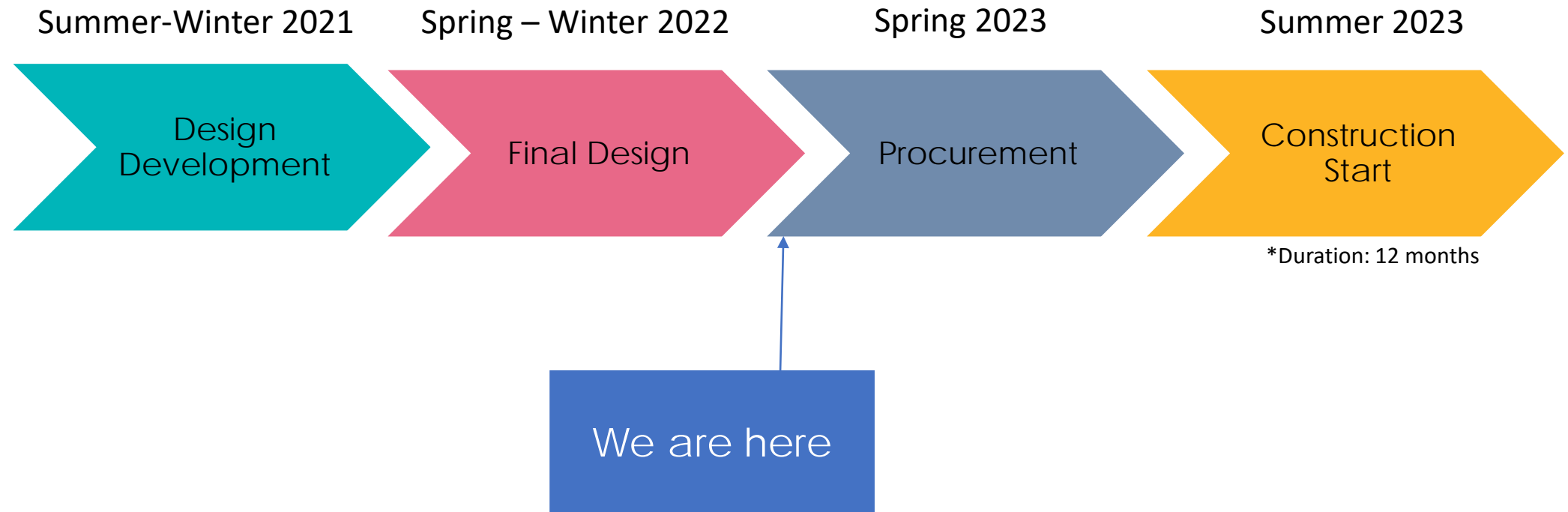
Key Changes
from Concept:

- The southbound bike lane will be buffered by a continuous concrete median
- Per the approved PenPlace site plan, additional turn lane areas were required and will be included in the final condition

Next Steps



Next Steps



Questions?

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Nate Graham
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Thank you!

