

Public Facilities Review
Committee (PFRC)
Meeting #4

September 29, 2021



Agenda

- 1. Welcome, Introductions
- 2. The Project
- 3. Updated Design Development
- 4. PFRC and Public Comments
- 5. Next Steps / Adjourn

Team Introductions

Project Team









Arlington County Transit Division

- Pierre Holloman Assistant Transit Bureau Chief
- William Jones Transit Services Manager

Arlington County Facilities and Engineering Division

• John Mir – Facilities Design and Construction Manager













Design Consultants

- **Greg Shipley**, AIA, LEED AP BD+C Stantec Architecture, Inc. Project Manager
- **Pete Cloutier**, P.E. Timmons Group Civil Engineer

Project Page

CHECK IT OUT!

https://projects.arlingtonva.us/projects <u>/art-operations-maintenance-facility/</u>



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Where?

ART Operations and Maintenance Facility

Location

Facility to be located at 2631 and 2635 Shirlington Road, accessible via the access road, in the Green Valley neighborhood

Status

In Design

In July 2018 the County Board approved the purchase of three parcels on Shirlington Road for the operations and maintenance facility.

The project was approved in the County's FY 2019-2028 Capital Improvement Plan for \$81.2 million, which included the cost of the land purchase, concept planning, design and construction.

On Sept. 15, 2020, the County Board approved a \$3.9 million contract with Stantec Architecture, Inc. for planning, design and construction administration services for the facility.

About the Project

What?

This project will address the need for parking, operations and maintenance of the County's growing Arlington Transit (ART) bus fleet. ART has significantly increased its number of routes and hours of service during the past 10 years and plans to continue growing during the next 20 years, supported by a fleet of more than 100 buses.

The County acquired three parcels of land in Green Valley to construct the facilities needed to consolidate ART service functions and support its current and future needs. The facility will perform regular preventive bus maintenance, repairs and other unscheduled maintenance work. It also will include administration and operations functions and parking for buses and staff. The facility is essential for ART's long-term sustainability.

The project will include:

- 1. A maintenance, operations, and administration building and surface parking for the buses (to be located on Parcel A)
- 2. A three-story parking structure for employee vehicles (to be located on Parcel B)

The County will require a minimum of LEED Building Design + Construction (BD+C) Silver Certification for the project, which will be designed to include sustainable materials and systems.

About Arlington Transit

Arlington Transit (ART) is Arlington County's local transit system that supplements Metrobus service with cross-County routes as well as neighborhood connections to Metrorail and Virginia Railway Express.

Public Process

Project Timeline



Image Gallery



Contacts

Facilities Project Manager

John Mir 🖾 703-228-7887

Transit Project Manager

703-228-3790 📞

Media Inquiries

Eric Balliet 🐸 703-228-3770 📞

Who?

Sign up for Four

Arlington Transportation Updates

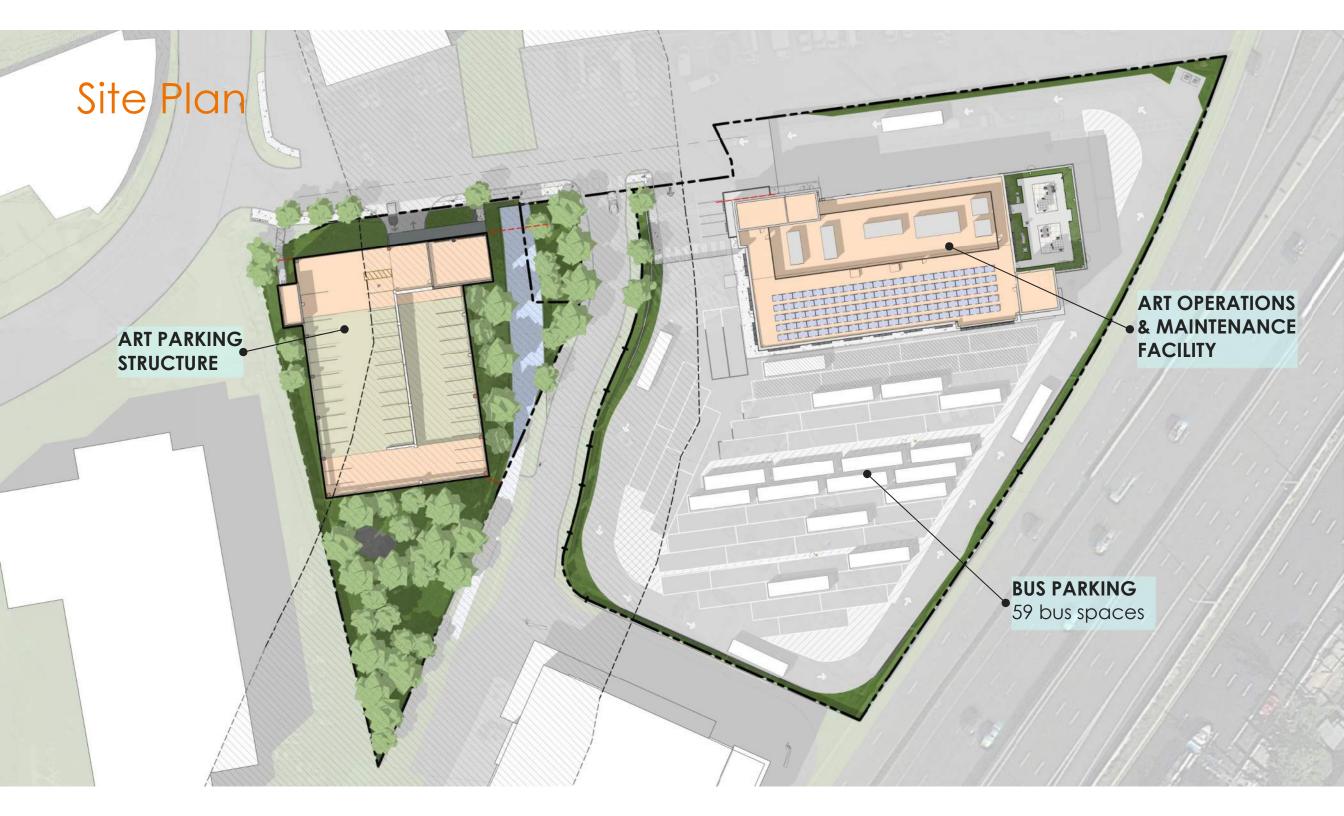
Email

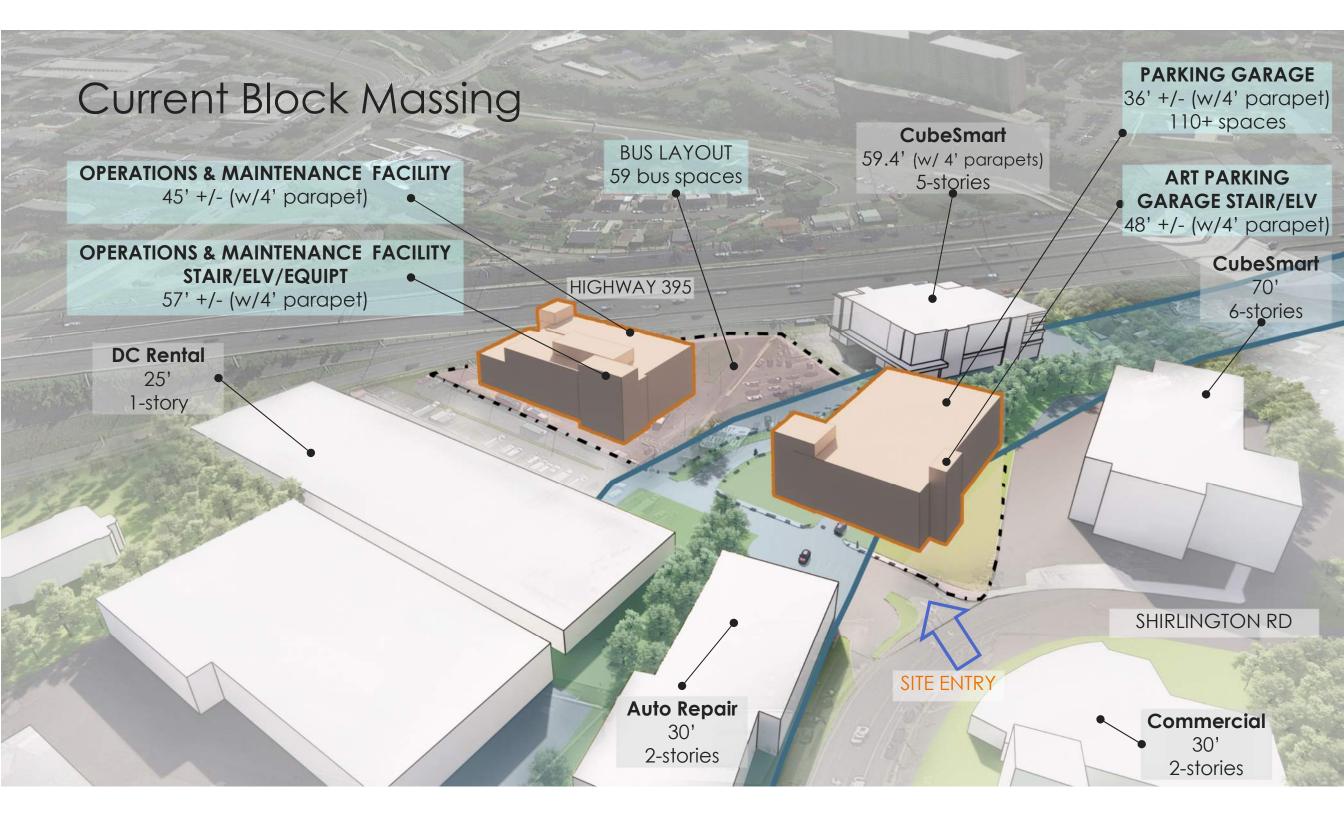
Submit

Events

No events

Updated Exterior Aesthetics

















PFRC & Public Comments

Site Considerations

- 3.523 acres (3 parcels)
- Zoned M-1 Light Industrial
- Bisected site
 - CubeSmart access road
 - manmade open stream channel w/ RPA
- Flooding issues at access road
- Multiple existing utility crossings
- Four Mile Run Valley Area Plan

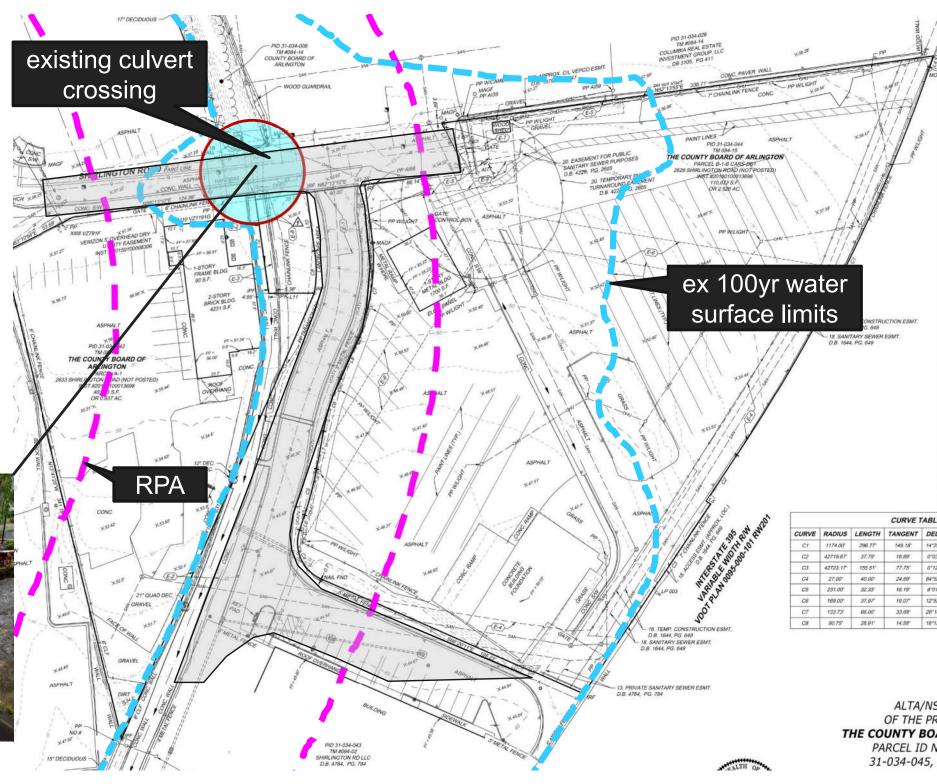


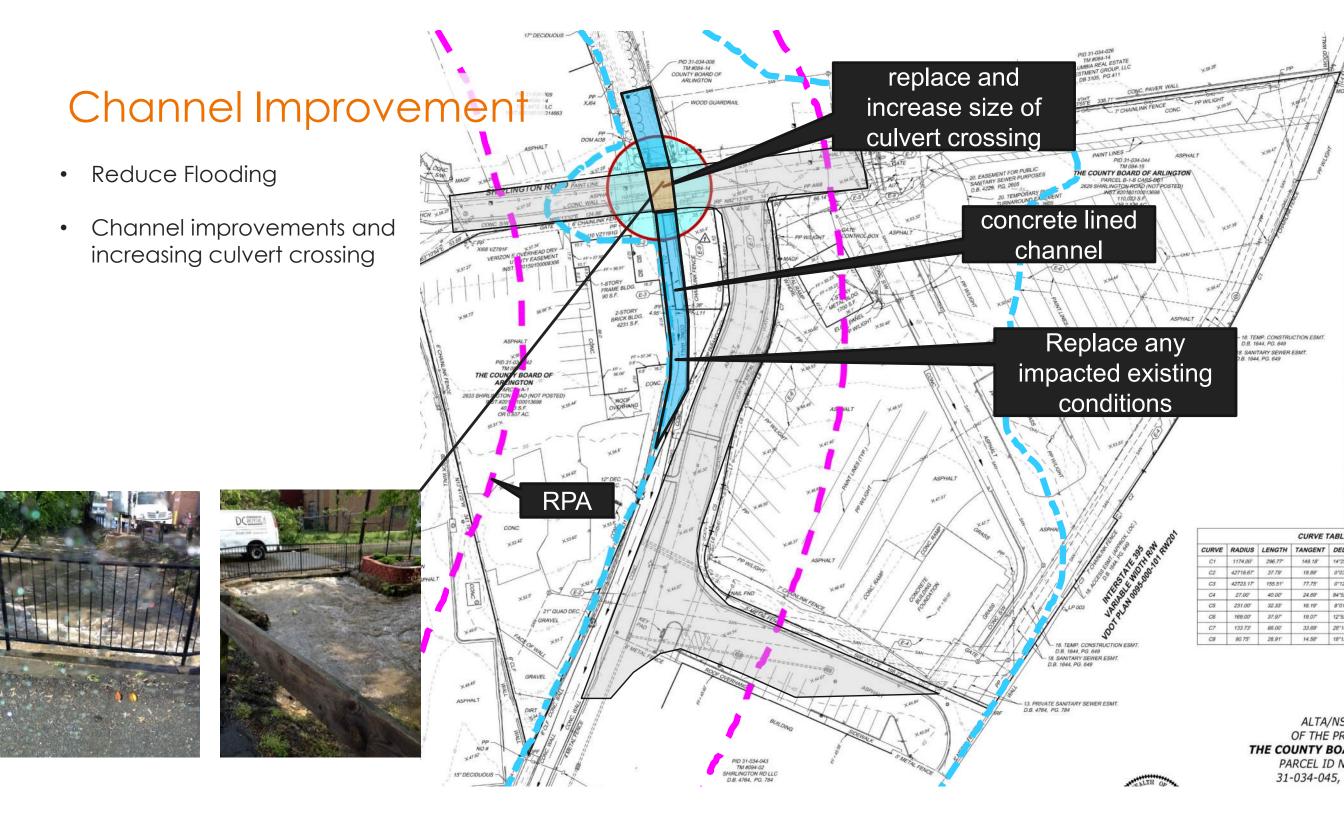


Stormwater

- Manage the 10yr & 100yr WSE
- Channel improvements and increasing culvert crossing
- Retaining / flood wall
- Long term stormwater issues
- Ensure best design solution







Stormwater Management SHIRLINGTON ROAD PROP. MANTENANCE AND OPERATIONS SUCCESS
ACCOUNTS. SELVE PHINISHED OF A FAX 710 SP
BLOG HEART - ST
BLOG HEART - ST FROM PARKING GARAGE

3-BYONY + CEVEL

ACCHESSIS 2001 SHIM PACTON

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(PF + 16.00) bioretention facility underground SWM facility

Stormwater Management

VA DCR STORMWATER DESIGN SPECIFICATION NO. 9

BIORETENTION

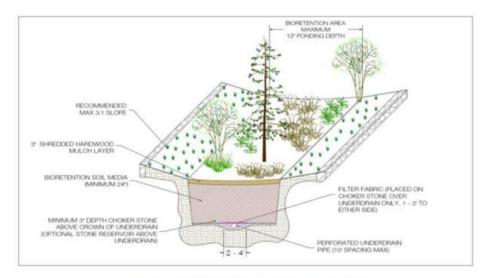


Figure 9.4a: Typical Bioretention Basin Level 1





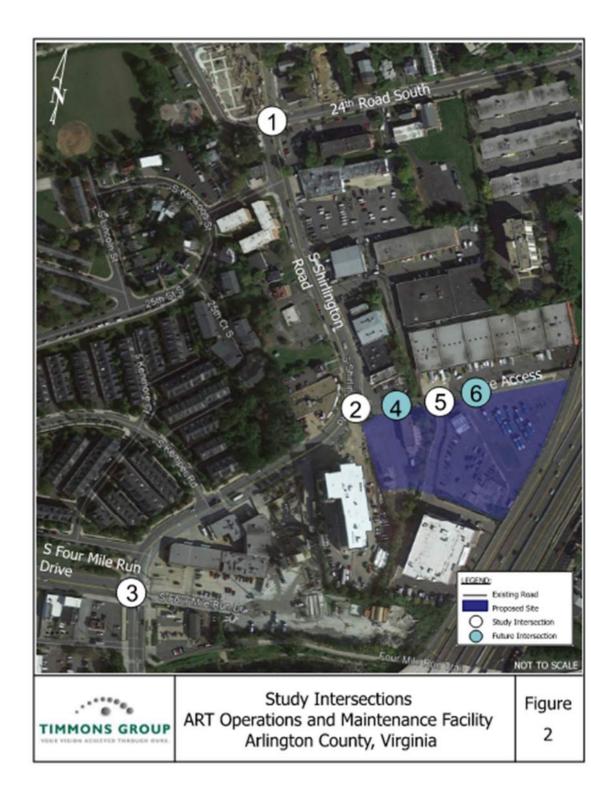
Traffic Assessment

Overview

- Completed in June 2021
- Scope of traffic assessment agreed upon with Arlington Transportation prior to beginning study
- Examined 6 intersections in the area.
- Analyzed the following:
 - Existing (2021) conditions
 - 2023 background conditions (without developing the site)
 - 2023 future conditions (with developing the site).

Posted on Project Page

https://projects.arlingtonva.us/projects/artoperations-maintenance-facility/



Traffic Assessment

Process

- Collected existing traffic counts
 - Due to the ongoing pandemic, all existing traffic counts were adjusted upward to reflect typical traffic conditions
- Applied a 2% annual growth rate to develop 2023 background conditions (without development of the site)
- Determined the new trips that will be generated by the site
- Summed existing, background, and site trips to develop 2023 future conditions

Table 1: Site-Generated Traffic for ART Facility

Buildout			Land Use	Weekday AM Peak Hour PM Peak Hour Average						
Land Use	Size	Units	Code	ln -	Out	Total	ln -	Out	Total	Daily Trips
Proposed Uses ⁽¹⁾										
Administrative Office Building	11,000	S.F.	710	11	2	13	2	12	14	125
Operations and Maintenance Facility ⁽²⁾	39,000	S.F.	710	39	6	45	8	39	47	426
Bus Parking ⁽³⁾	61	Spaces		<u>7</u>	<u>7</u>	14	<u>5</u>	<u>5</u>	10	<u>456</u>
Total Site Trips				57	15	72	15	56	71	1,007

Notes: (1) Based on the Institute of Transportation Engineers Trip Generation, 10th Edition. Assumes General Urban/Suburban land use category.

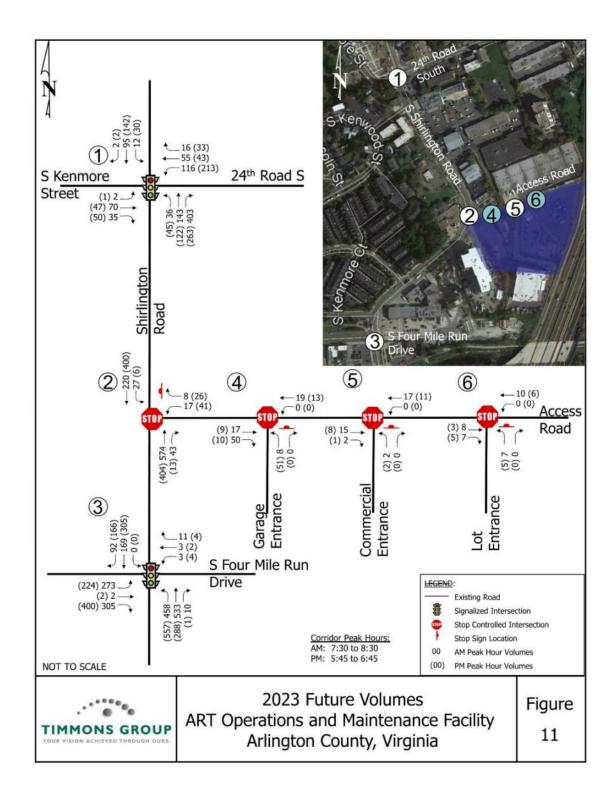
⁽²⁾ This facility will contain office and maintenance space. Trips shown are for all office as this is more conservative (worst case). The trip generation may be refined as the space is more clearly defined.

⁽³⁾ Based on the bus schedule provided by the user, 7 buses will depart in the AM and 5 in the PM. No buses return in either peak. The trips shown account for bus drivers entering in personal vehicles and departing in a bus in the same peak hour. Daily trips calculated based on total bus routes (114) * 4 trips per day (driver in, bus out, bus in, driver out).

Traffic Assessment

Study Findings:

- Development of the site will have minimal to no impact on surrounding roadway network
- Development of the site will have minimal to no impact on bicycle and pedestrian network
- No improvements are required at the study intersections to accommodate the traffic generated by the site



Landscape Architecture

- Existing tree canopy along storm channel
- Retaining wall failing and trees growing through portions
- Both parcels devoid of tree coverage

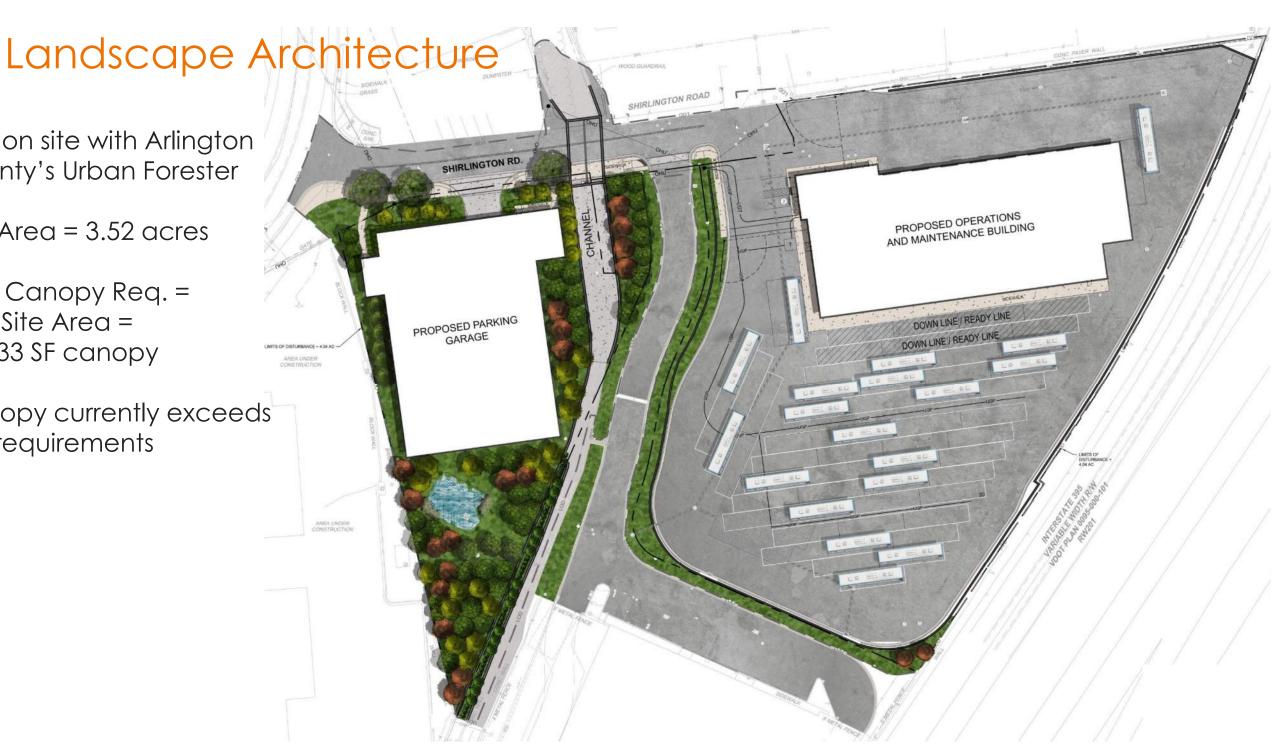


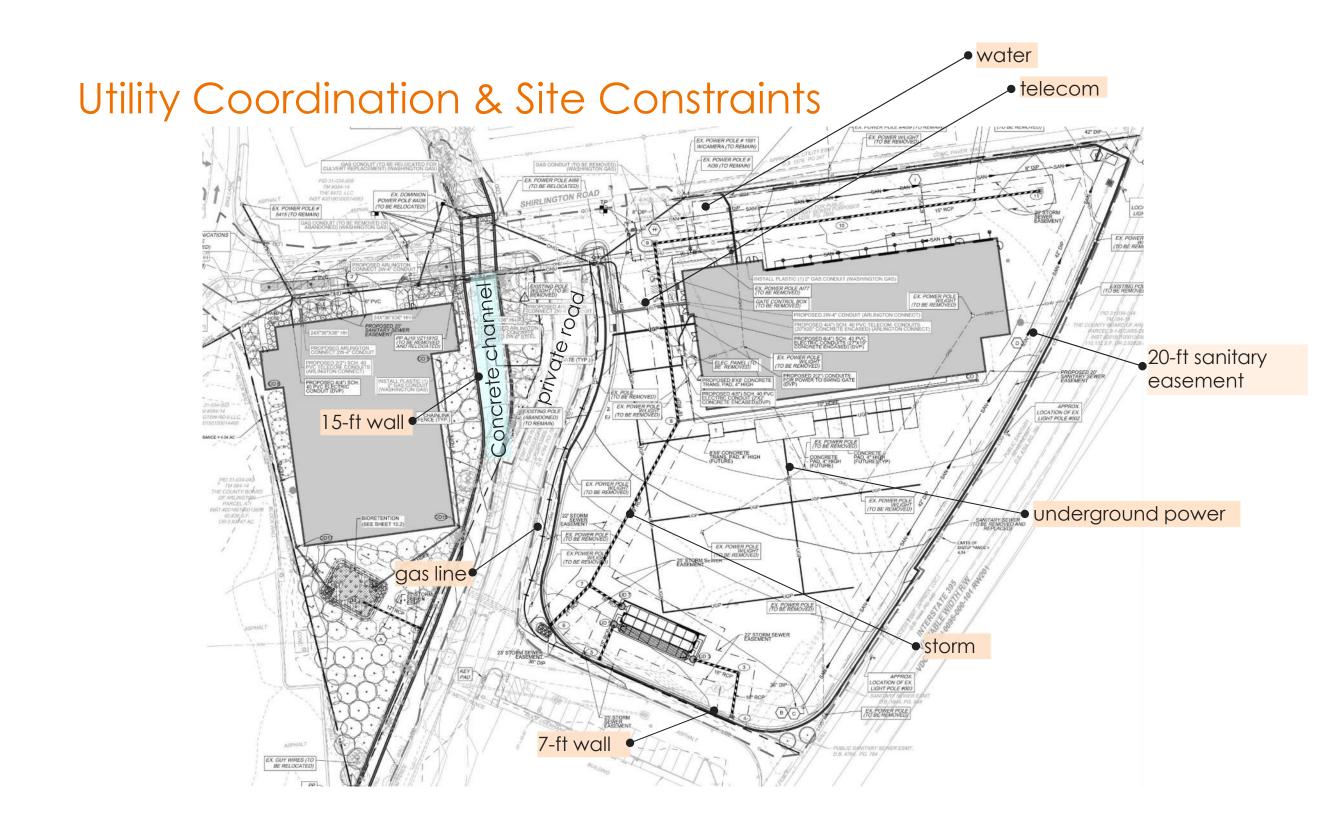


Site Area = 3.52 acres

Tree Canopy Req. = 10% Site Area = 15,333 SF canopy

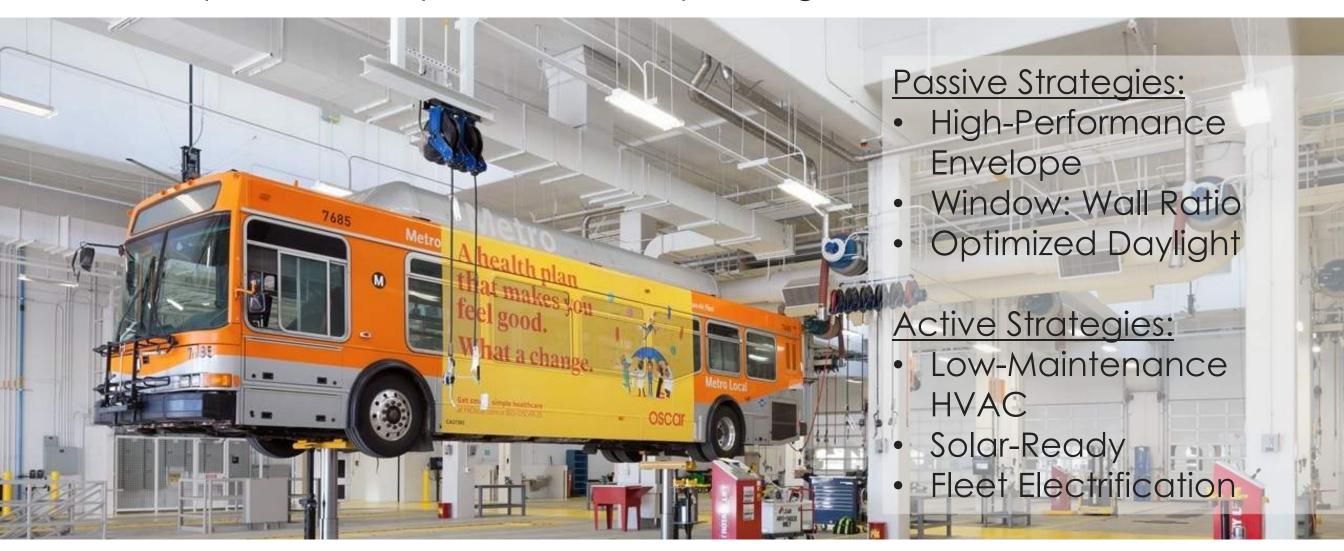
Canopy currently exceeds the requirements

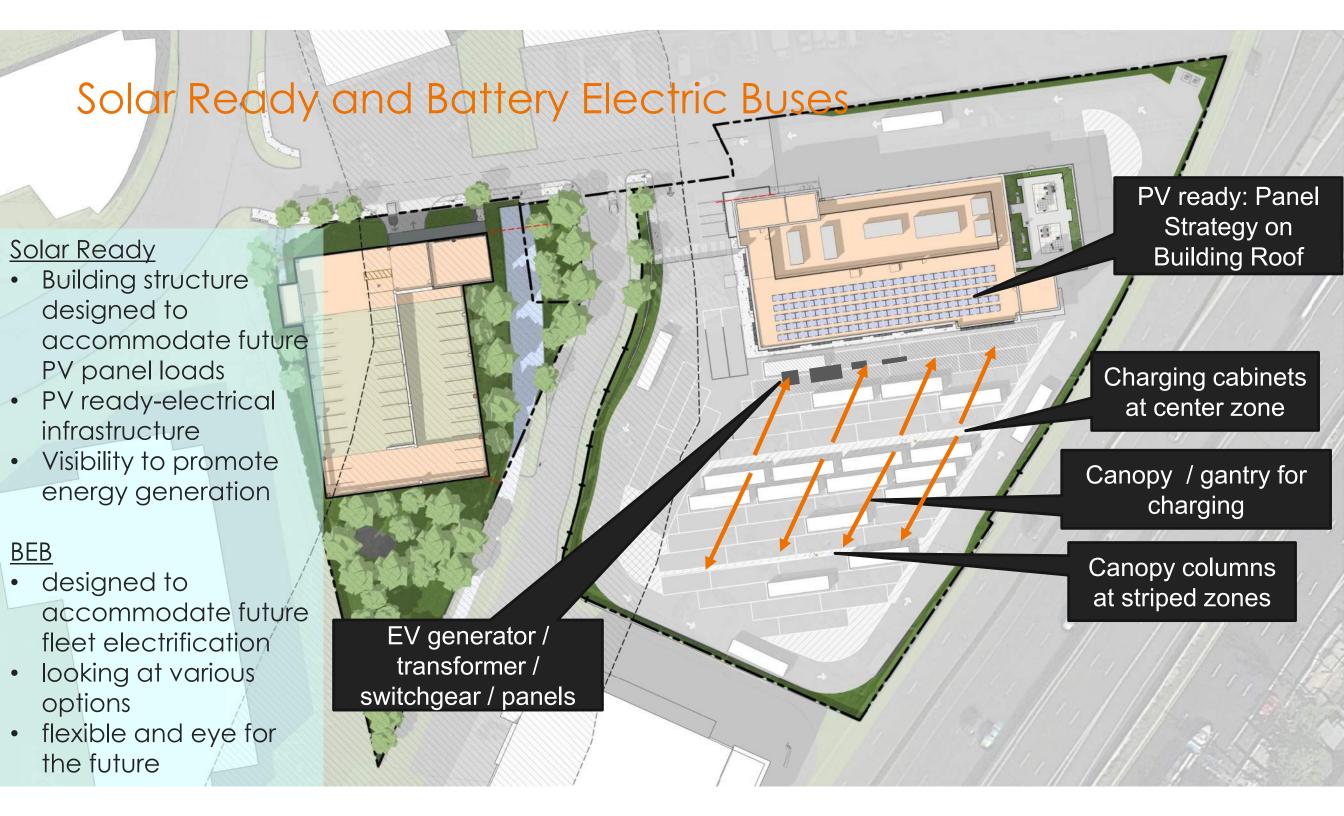


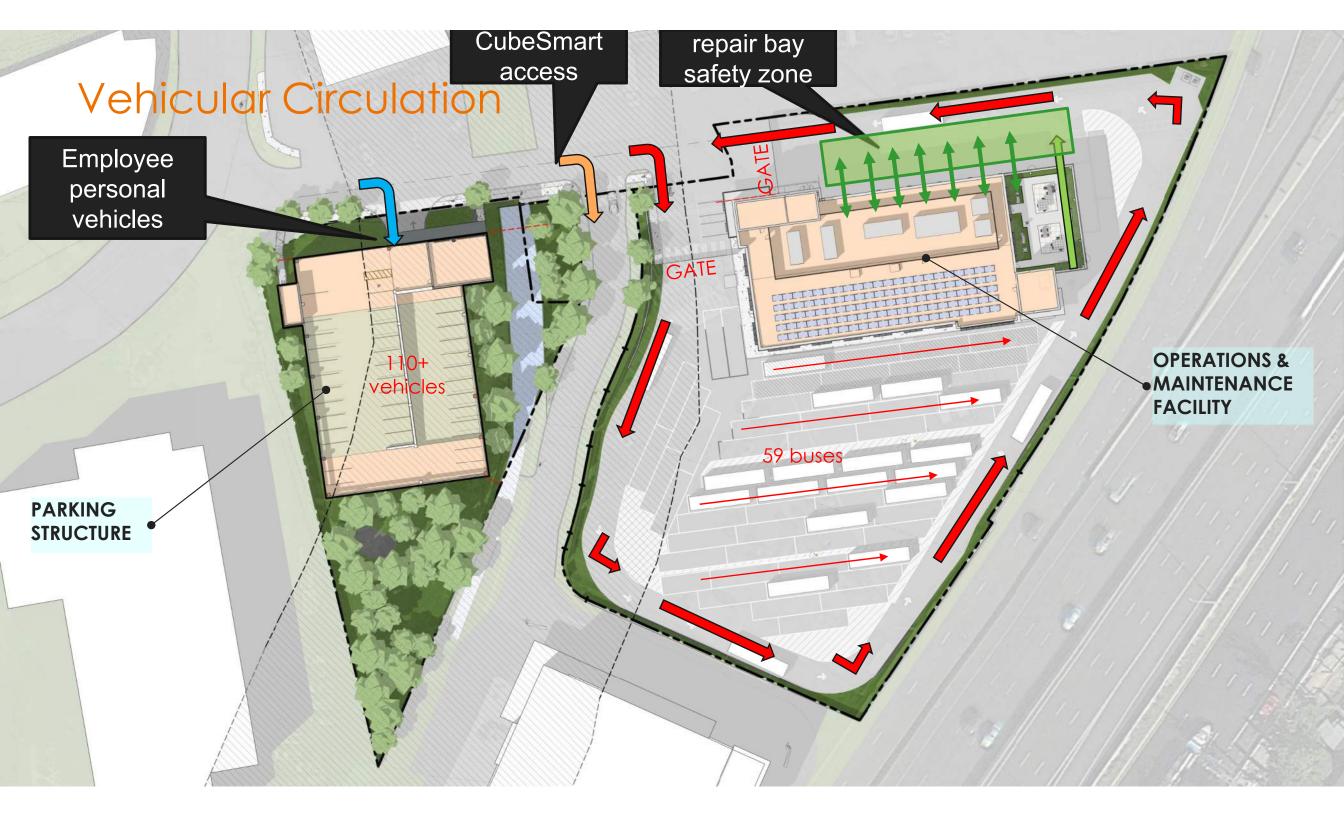


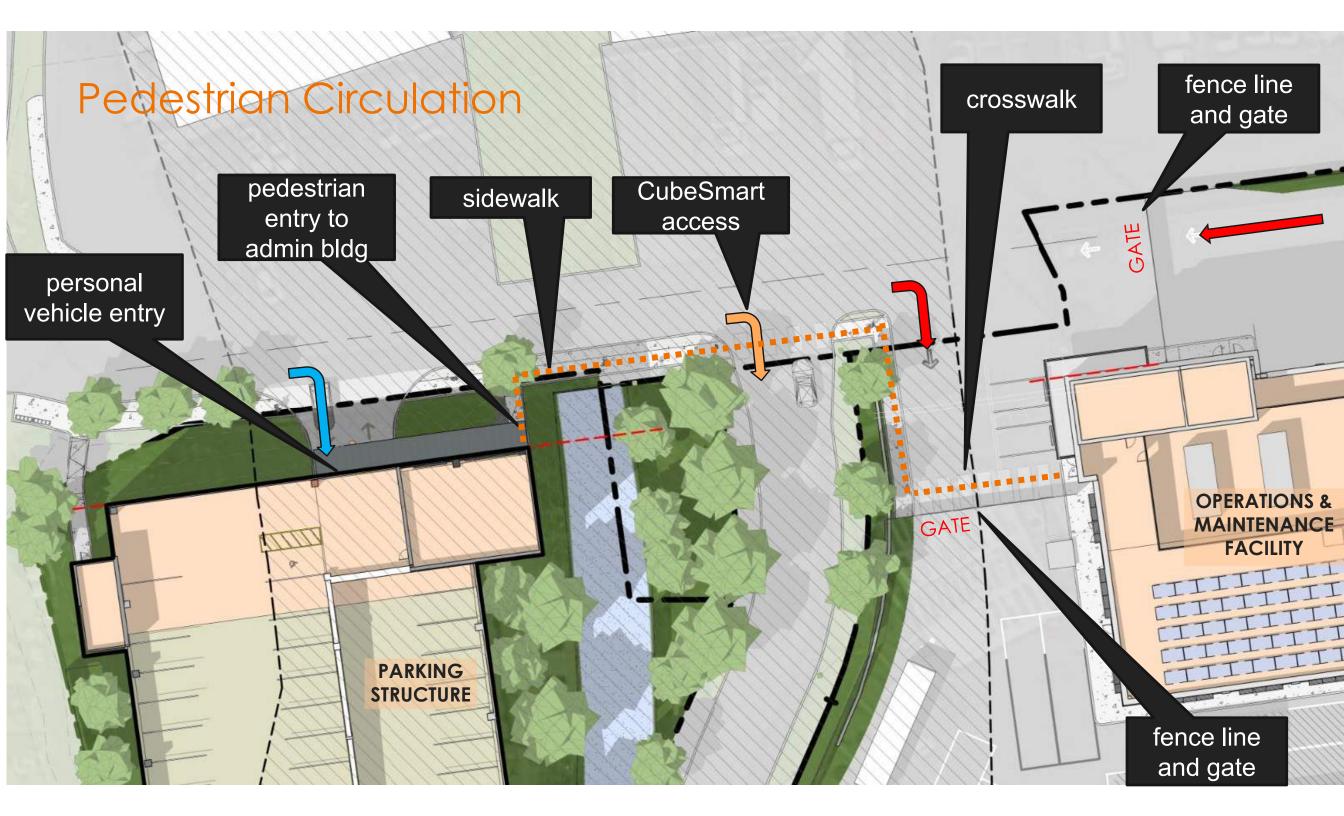
Sustainability

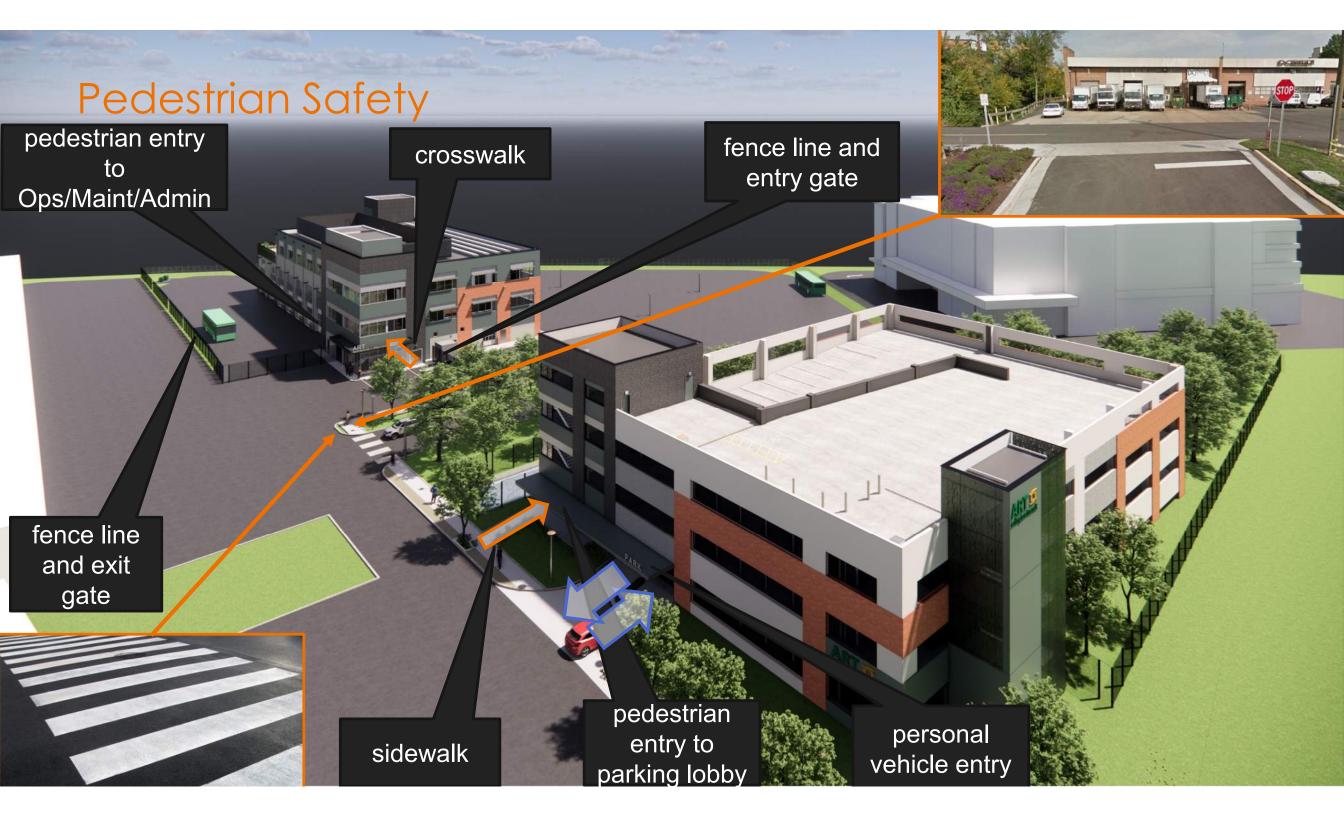
Arlington's Facility Sustainability Policy Energy Efficient: 25% Savings vs Code 3rd Party Sustainability Certification – pursuing LEED Silver





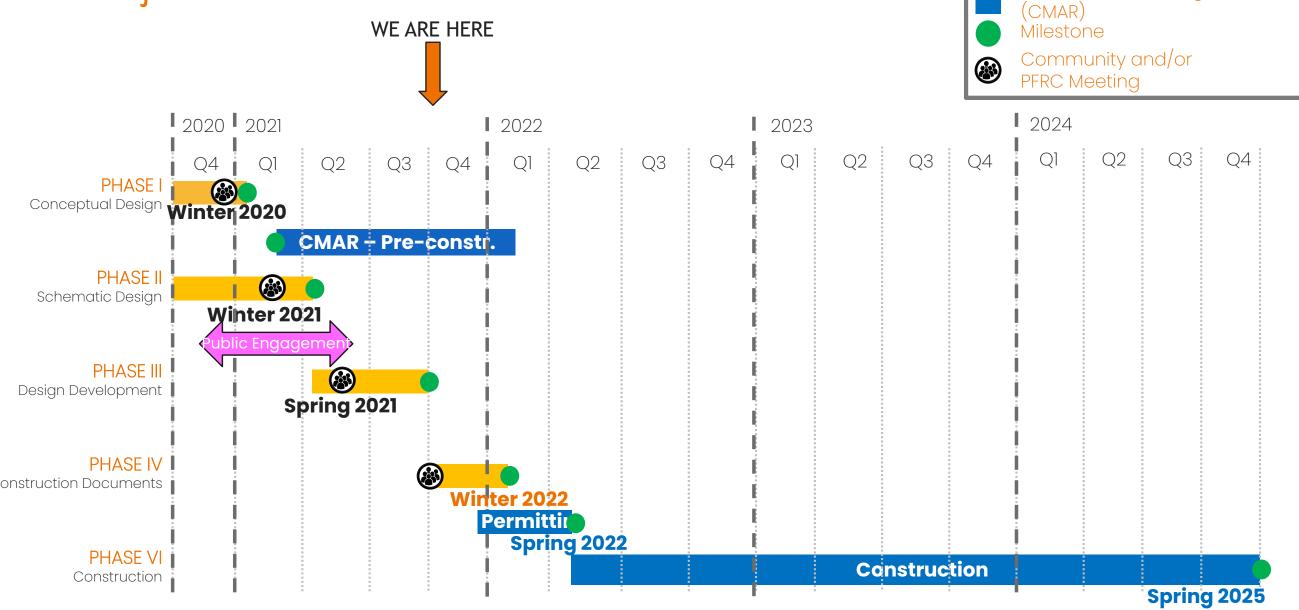






Next Steps

Project Timeline



In Progress

Construction Manager at Risk

Next Steps

Previous

- PFRC Meeting #1 Dec 2020: Concept Master Plan
- PFRC Meeting #2 Feb 2021: Schematic Massing and Exterior Building Aesthetics
- PFRC Meeting #3 Jun 2021: Updated Exterior Aesthetics

Today – PFRC Meeting #4

Project Update

Next Steps

- Construction Documents
- Permitting
- County Board (GMP Approval)
- Construction







ART Operations and Maintenance Facility



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 - pholloman@arlingtonva.us
- William Jones Transit Services Manager
 - wjones@arlingtonva.us

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Thank You!