

**BALTIMORE-WASHINGTON
SUPERCONDUCTING MAGLEV PROJECT**



**NATIONAL HISTORIC PRESERVATION ACT
SECTION 106
CONSULTING PARTIES
MEETING #2**

September 17, 2018

**District Department of Transportation Headquarters
55 M Street, SE, Washington, D.C. 20003**

INTRODUCTION



- ▶ Roll call
- ▶ Introductory remarks from Federal Railroad Administration (FRA)
- ▶ Introductory Remarks from Maryland Department of Transportation (MDOT)

MEETING AGENDAS AND GOALS



- ▶ NHPA Section 106 Process Update
- ▶ NEPA EIS Process Update
- ▶ Updates on Project Elements and Design
- ▶ Definition of Area of Potential Effects (APE)
- ▶ Identification of Historic Properties
- ▶ Identification of Archaeological Sites
- ▶ Methodology
- ▶ Programmatic Agreement
- ▶ Schedule and Next Steps
- ▶ Questions and Comments

WHAT IS THE PROPOSED PROJECT?



- ▶ Superconducting Maglev (SCMAGLEV) train service between Baltimore and Washington
- ▶ Cruising speeds over 300 mph
- ▶ Completion of an Environmental Impact Statement and Preliminary Engineering
- ▶ At this time, **no money has been identified for construction**

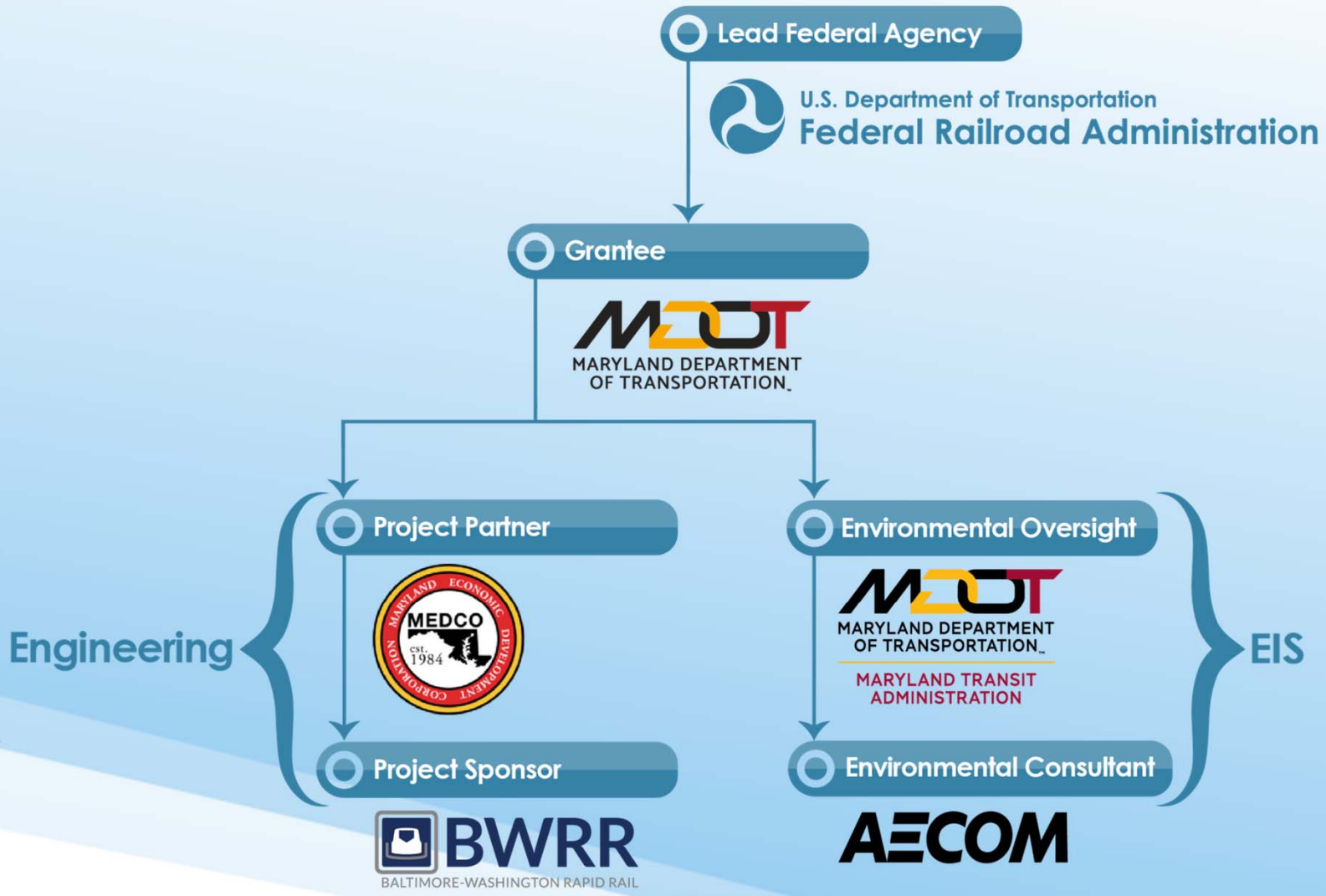


WHY?



In 2015, Maryland (MDOT) received a \$27.8 million federal grant for NEPA/ Preliminary Engineering (PE), as part of the **Safe Accountable Flexible Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)**, to study the construction of a maglev train between Baltimore, MD and Washington, D.C.

WHO IS INVOLVED?



SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT



“The spirit and direction of the Nation are founded upon and reflected in our historic heritage”

- The Nation’s primary historic preservation law
- Defines the legal responsibilities of Federal agencies with respect to the preservation and stewardship of historic properties
- Section 106 requires federal agencies to consider the effects of projects they carry out, approve, or fund on historic properties



KEY COMPONENTS OF SECTION 106

- ▶ National Register of Historic Places (NRHP)
- ▶ Advisory Council on Historic Preservation (ACHP)
- ▶ State Historic Preservation Offices (SHPOs)
- ▶ Tribal Historic Preservation Offices (THPOs)
- ▶ 4 Step Process
- ▶ Consultation



SECTION 106 REQUIREMENTS



Federal agencies must:

- ▶ Consider and determine the direct AND indirect effects of a proposed undertaking on historic properties
- ▶ Consult with SHPOs, Tribes, and other consulting parties
- ▶ Avoid, resolve or mitigate adverse effects on historic properties

SECTION 106 CONSULTATION PROCESS



**1. Establish
the
Undertaking**

**3. Assess
Adverse
Effects**

**2. Identify
and
Evaluate**

**4. Resolve
Adverse
Effects**



CONSULTING PARTY INVOLVEMENT



Consulting Parties are:

- ▶ Applicants for federal assistance/approvals
- ▶ State Historic Preservation Officers
- ▶ Federally recognized Indian tribes/THPOs
- ▶ Local governments
- ▶ Advisory Council on Historic Preservation
- ▶ Other individuals/organizations with interest due to the nature of their legal or economic relation to the project or affected properties, or their concern with the project's effects on historic properties (subject to FRA approval)

CONSULTING PARTY INVOLVEMENT



Potential roles of the consulting parties:

- ▶ Help identify historic properties
- ▶ Review pertinent historic preservation information provided by FRA
- ▶ Help develop and consider possible solutions to avoid, minimize, or mitigate adverse effects on historic properties
- ▶ Implement mitigation measures

UPDATES – SECTION 106 PROCESS



- ▶ Updated Section 106 Correspondence provided to:
 - ▶ SHPOs and Consulting Parties
 - ▶ Four additional Federally-Recognized Tribes, with potential interest from a cultural and/or religious perspective, in resources within alignments identified and notified.
 - ▶ Pamunkey Indian Tribe (DC)
 - ▶ Delaware Nation of Oklahoma (MD)
 - ▶ Delaware Tribe of Indians (MD)
 - ▶ Seneca-Cayuga Nation (MD)

UPDATES – ALTERNATIVES REPORT



- ▶ **Draft Alternatives Report** (Alternatives to Advance in Detailed Study in DEIS) sent to coordinating agencies on August 31, 2018 (30 day review)
- ▶ Interagency Review/Concurrence on Report-Complete October 3, 2018
- ▶ Post **Final Alternatives Report** to Project Website October 31, 2018

DRAFT ALTERNATIVES REPORT



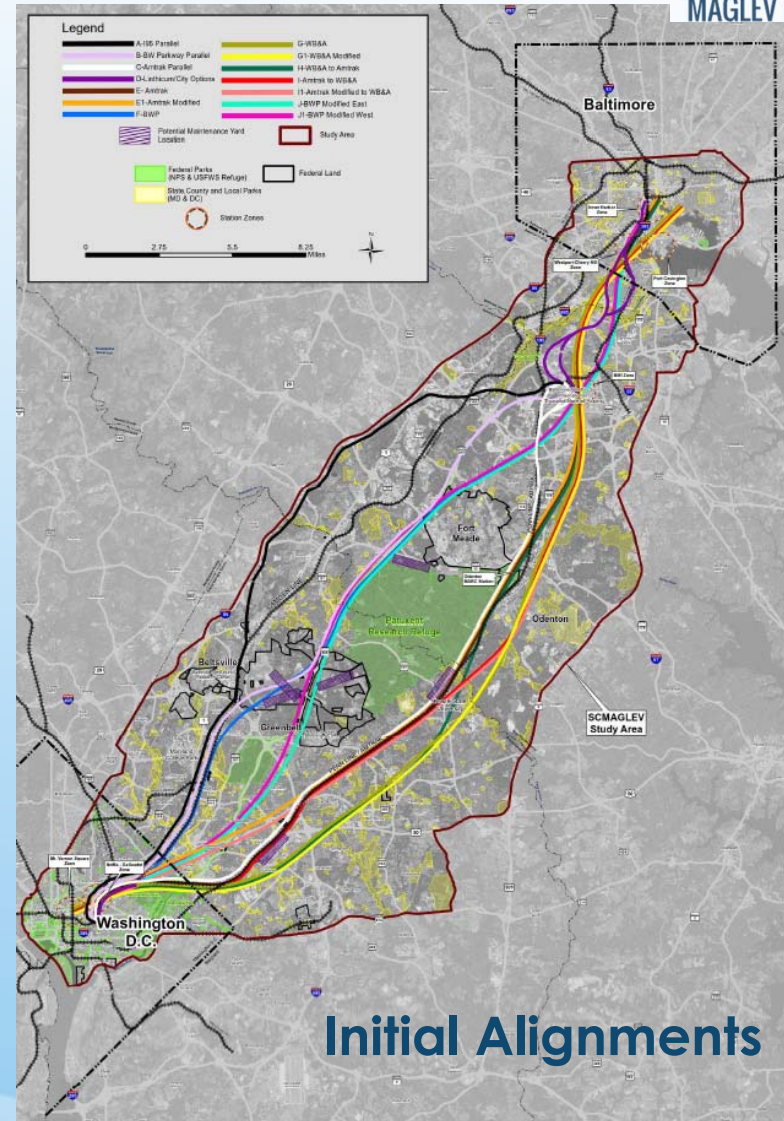
BALTIMORE-WASHINGTON
SUPERCONDUCTING
MAGLEV PROJECT

U.S. Department of Transportation
Federal Railroad Administration



DRAFT Alternatives Report

August 2018



DRAFT ALTERNATIVES REPORT



Screening Level 1 Evaluated a reasonable range of Initial Alignments
(Developed from previous studies and stakeholder input)

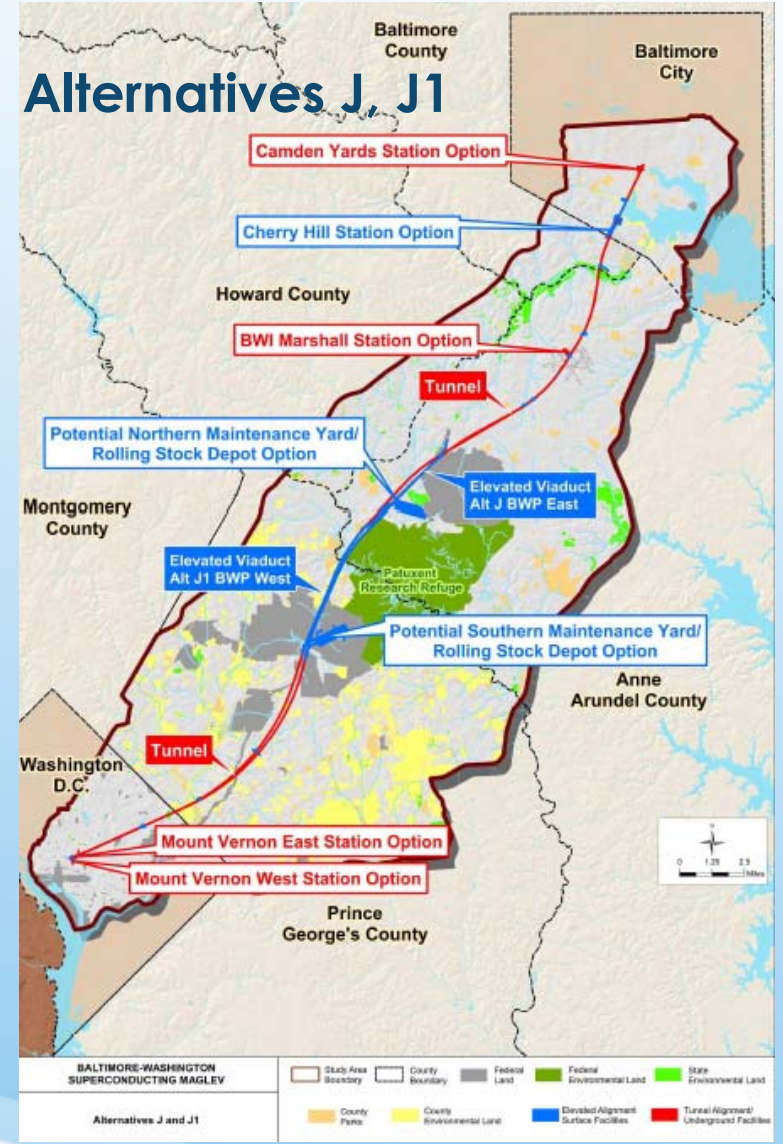
- No Build
- A
- B
- C
- D
- E
- E1
- F
- G
- G1
- H
- I
- I1
- J
- J1

Screening Level 2 Evaluated the Preliminary Alignments
(Alignments that advanced from Screening Level 1)

- No Build
- E1
- G
- G1
- H
- I1
- J
- J1

Preliminary Alignments advance as **Preliminary Alternatives** in the next phase
(Alignments advancing for detailed analysis in the Alternatives Report)

- No Build
- J
- J1



PROJECT UPDATES



- ▶ Project design and engineering data continues to be refined
- ▶ Limits of Disturbance (LOD) for project are being defined

PROJECT UPDATES



- ▶ Mount Vernon East/West Stations
- ▶ Removed NoMa Station
- ▶ Ventilation Plant/Substation Locations
- ▶ Access Roads
- ▶ RSD BARC
- ▶ RSD MD 198
- ▶ Enlarged footprint at BWI Airport
- ▶ Cherry Hill Terminal Facility

PROJECT UPDATES – DC

In addition to Mount Vernon West Station, Mount Vernon East Station is now being evaluated.



Mount Vernon West :

10 known NRHP listed or eligible above-ground properties in APE

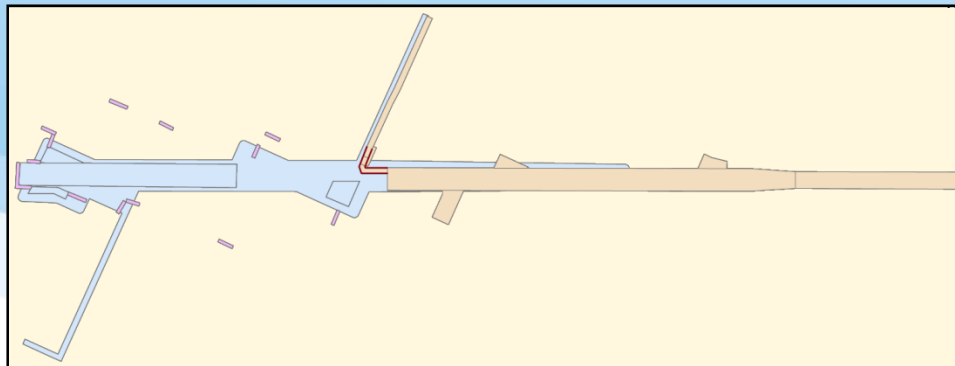
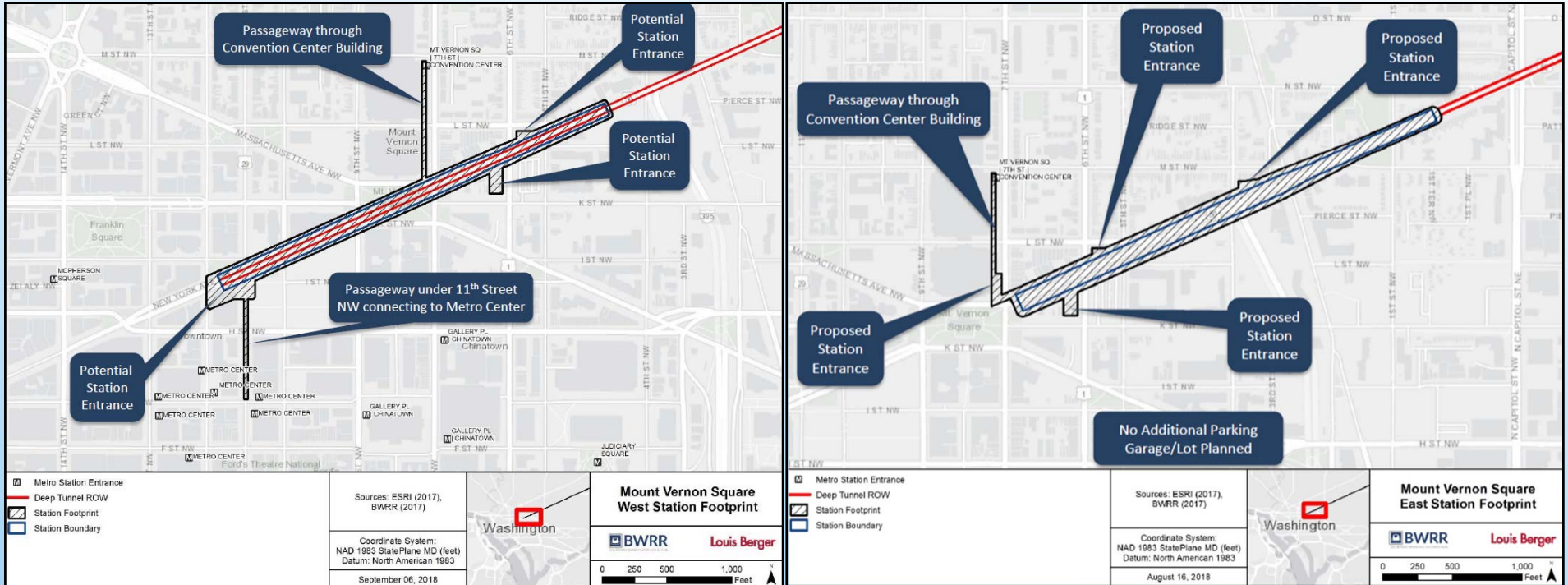
2 archaeological sites in APE

Mount Vernon East :

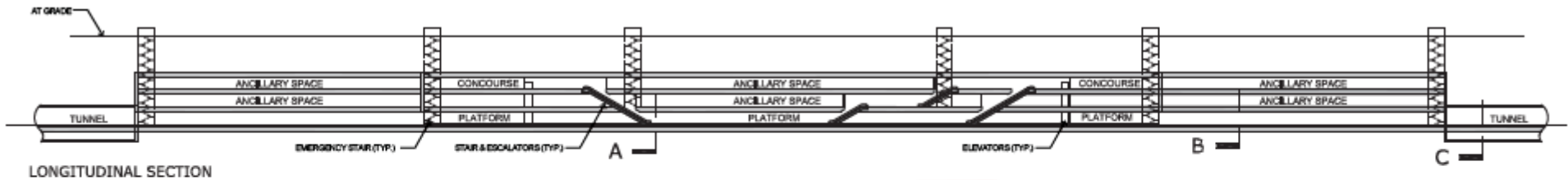
8 known NRHP listed or eligible above-ground properties in APE

1 archaeological site in APE

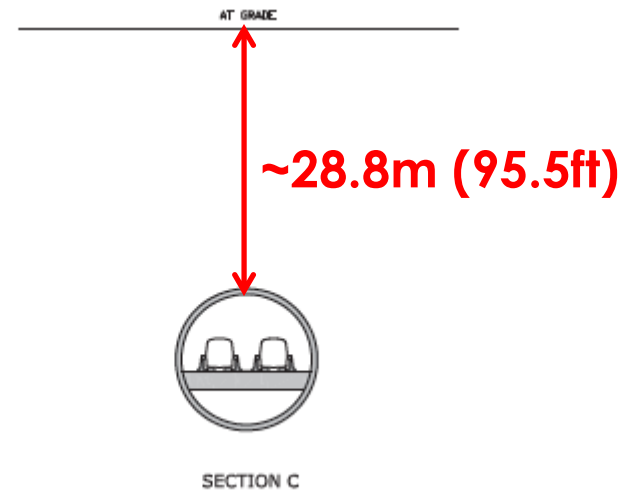
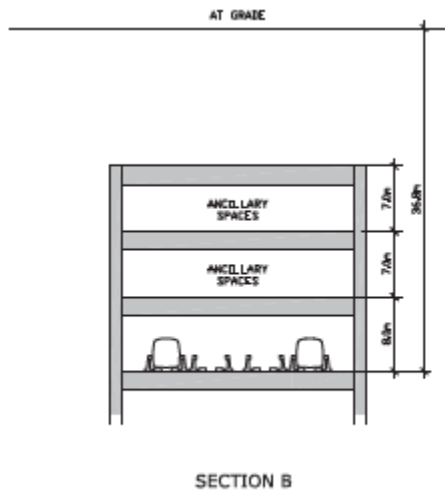
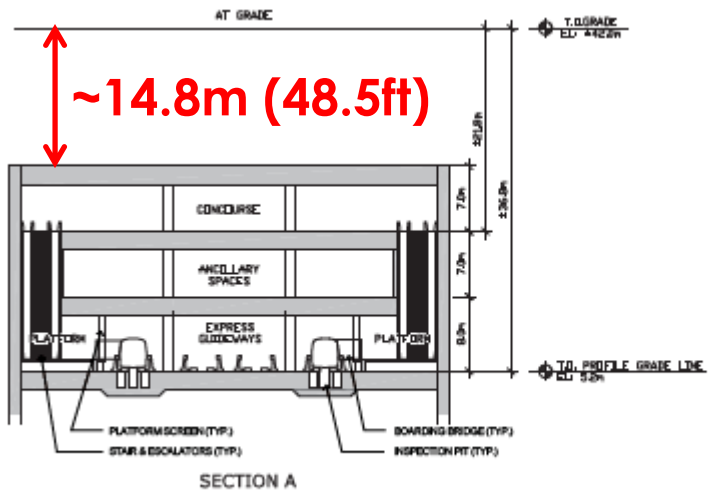
MT. VERNON SQUARE STATION



MT. VERNON SQUARE STATION



DRAFT

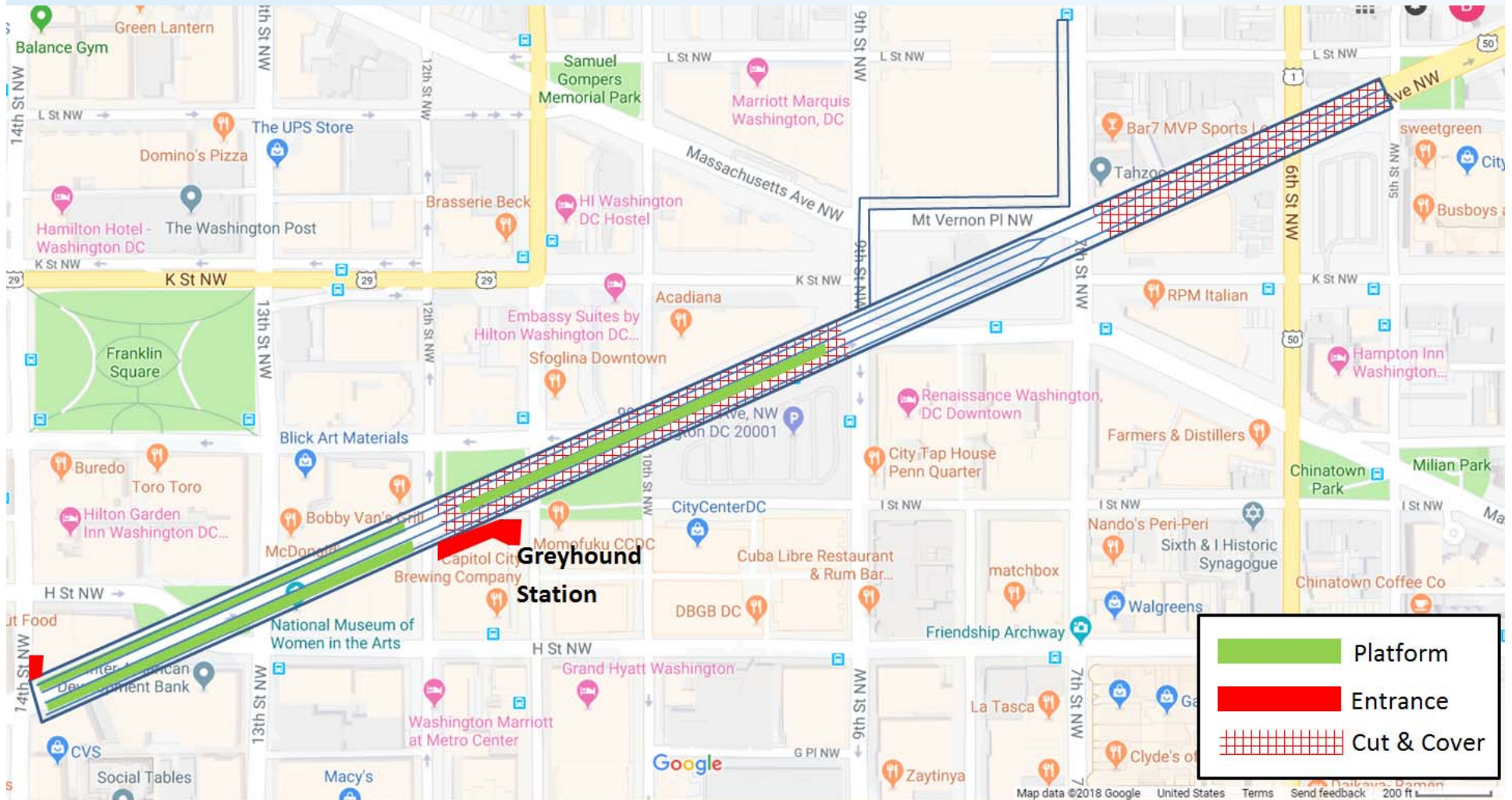


Passenger station open to public 5 am to 11 pm, with cleaning and maintenance work performed during nighttime hours

MT. VERNON SQUARE STATION NEW CONCEPTUAL PLAN 9.11.18



▶ Extended platforms and station further west to avoid MVS



PROJECT UPDATES – DC



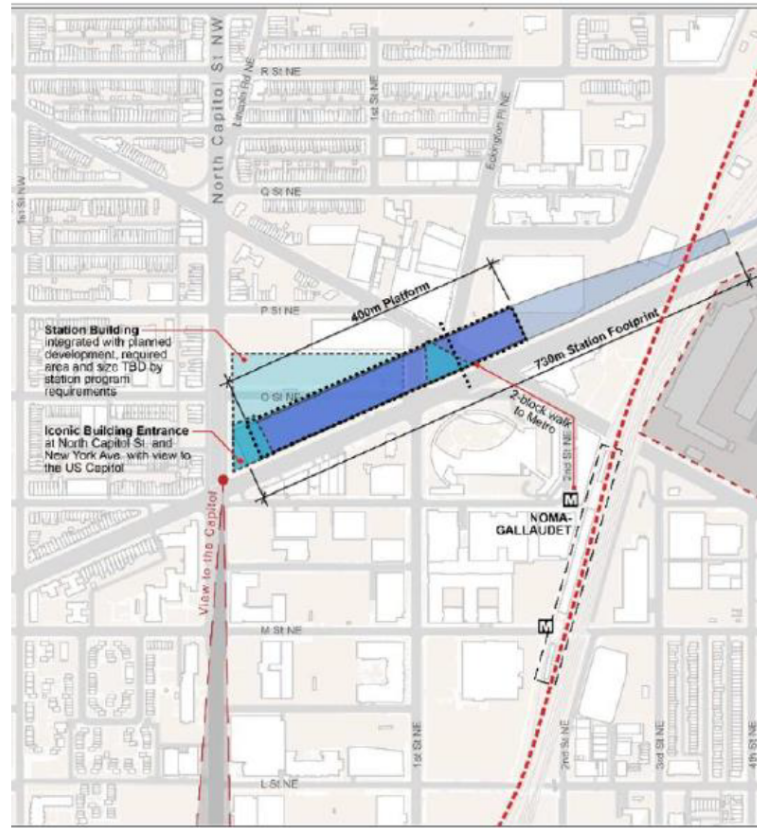
NoMa Station Concept - Elevated

Features

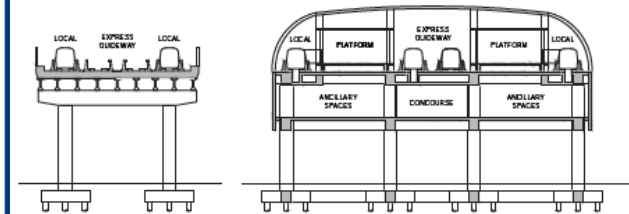
- Straight alignment to DC Line
- Direct connection to Red Line
- Fair Access to I-395
- Above ground station opportunity
- Edge of Noma Development

Issues

- Construction Staging to avoid closing NY Avenue
- 9th Street Bridge in the way
- New crossing over passenger railroads

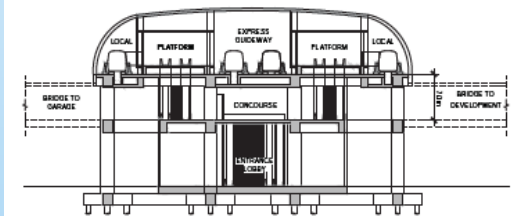


Eliminated

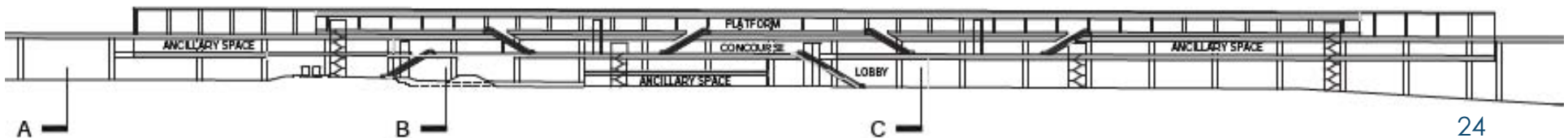


SECTION A

SECTION B



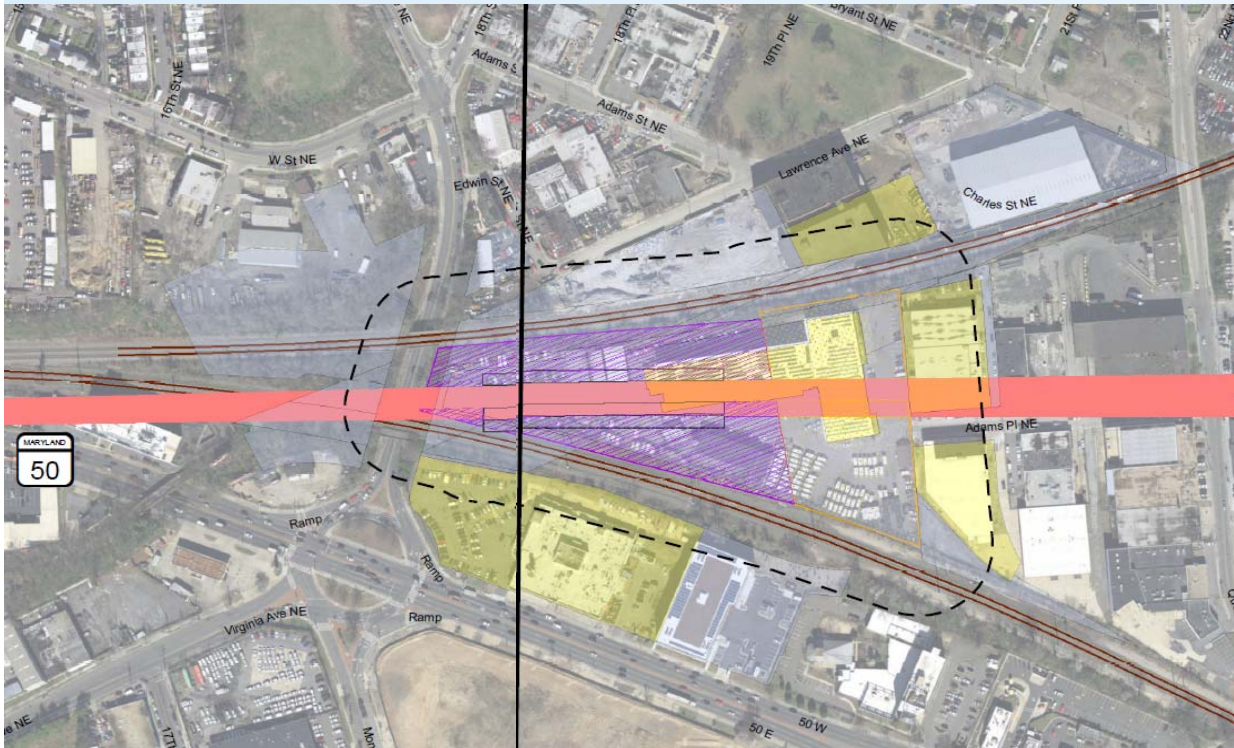
SECTION C



PROJECT UPDATES – DC



Ivy City Ventilation Plant/Substation



- ▶ No known NRHP listed or eligible properties
- ▶ Building approximately 50' tall
- ▶ 24/7 staffing, 10-15 people

PROJECT UPDATES – MARYLAND

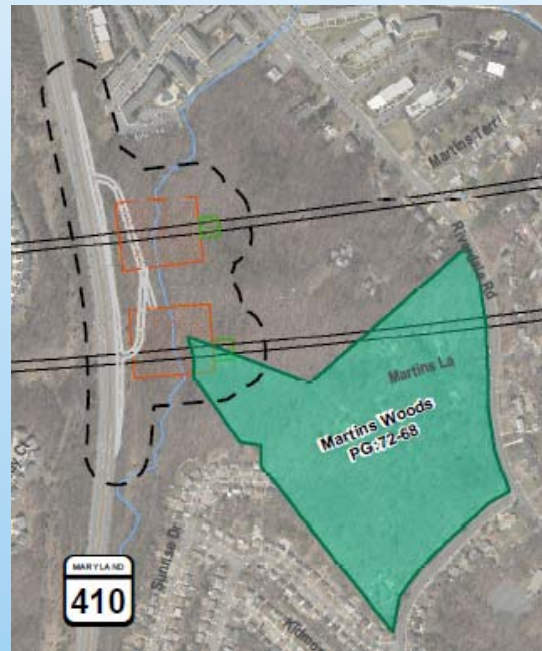


Ventilation Plants/Substations:

Bladensburg Riverdale



- ▶ No known NRHP listed or eligible properties in APE



- ▶ One NRHP listed or eligible property in APE (Alternative J)

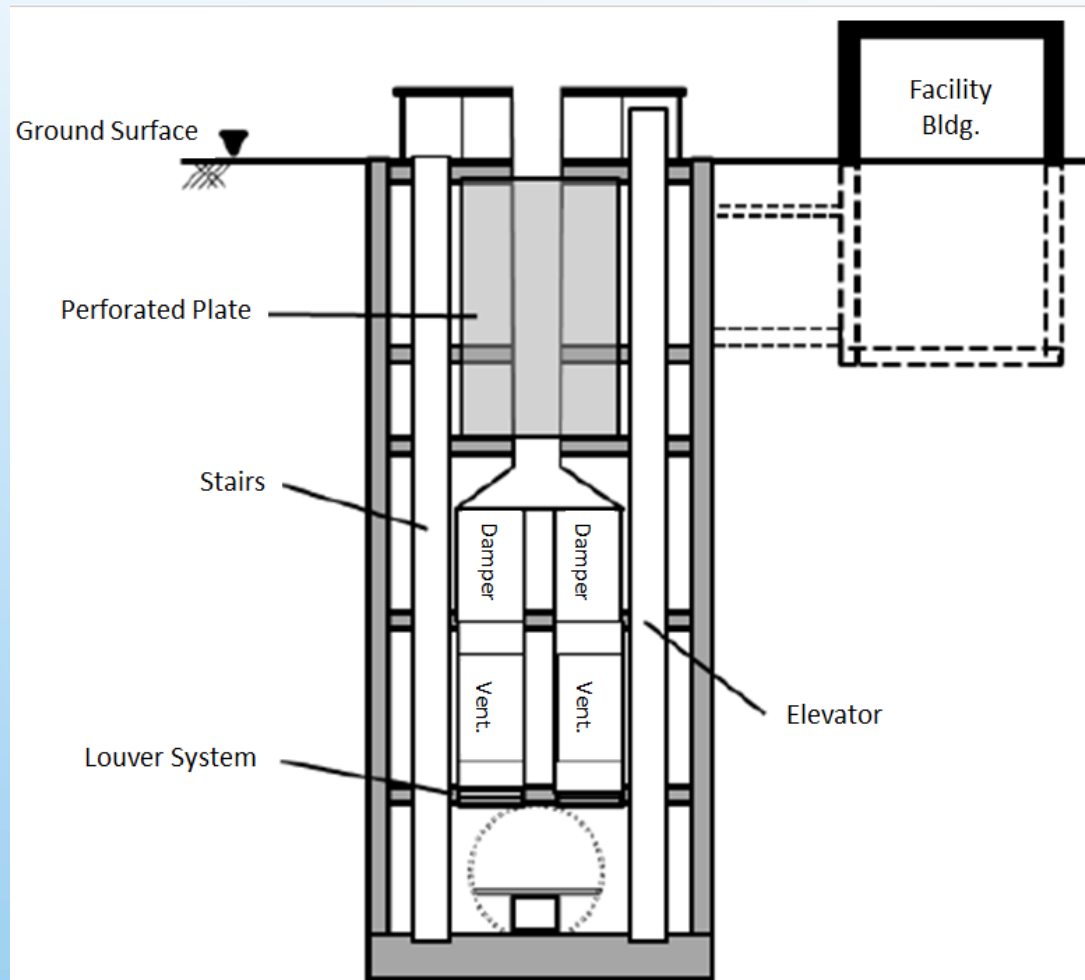
Harmans



- ▶ No known NRHP listed or eligible properties in APE

PROJECT UPDATES

Emergency Egress at Ventilation Plants



Overview of Ventilation Facility (Emergency Exit)

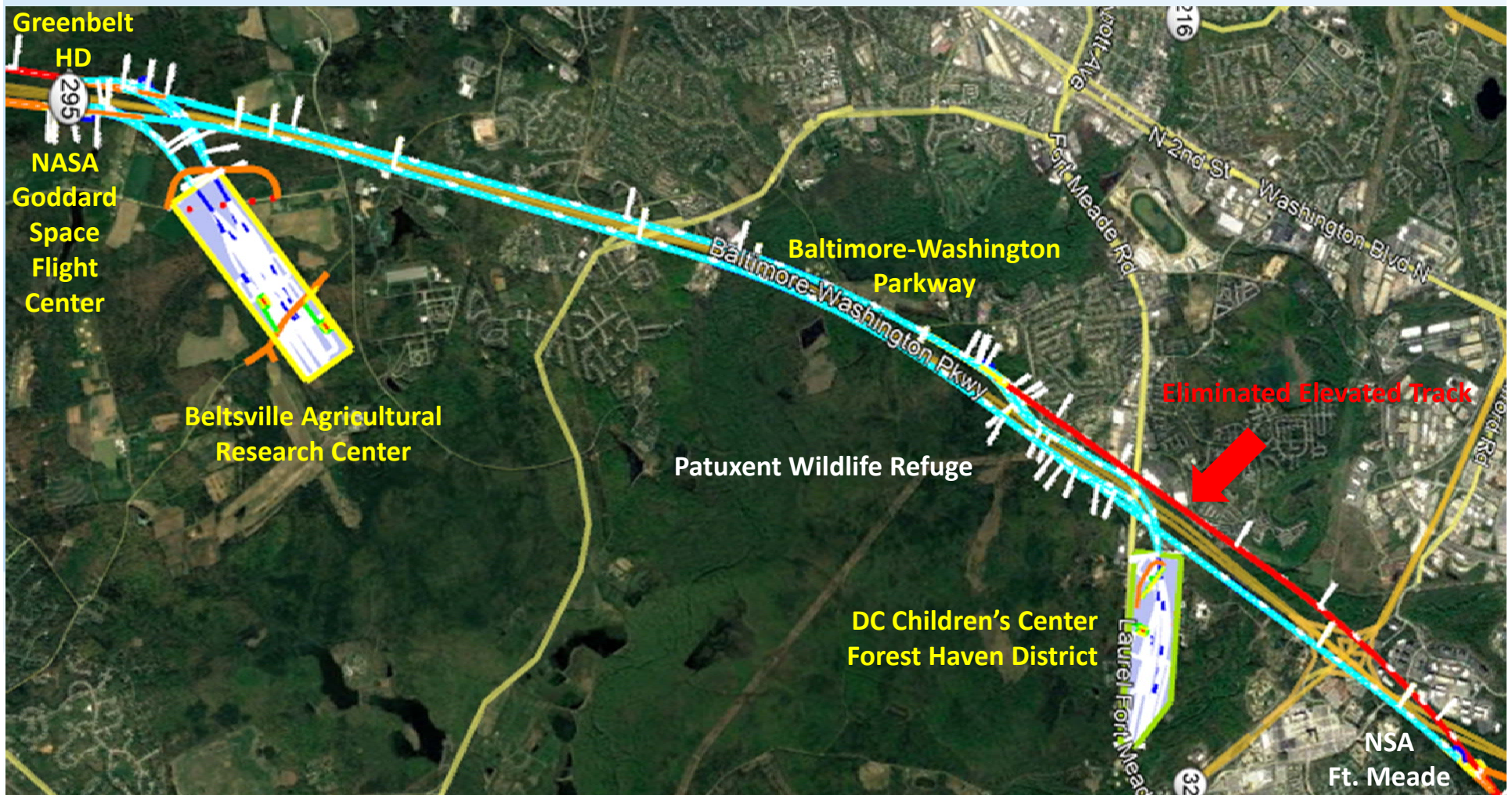
Source: Conceptual Illustration provided by BWRR.
(Actual Design TBD, Not to Scale)

PROJECT UPDATES— MARYLAND



Reduced elevated track west of BW Parkway

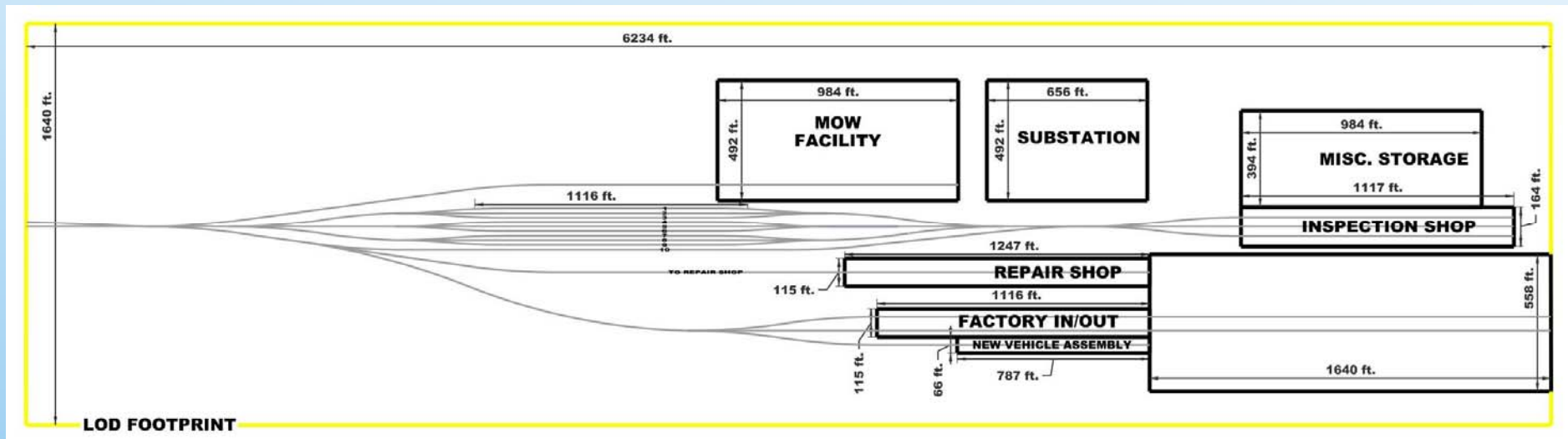
- ▶ Five known NRHP listed or eligible properties in APE (in yellow)



PROJECT UPDATES – MARYLAND



Typical Rolling Stock Depot (RSD) Facility

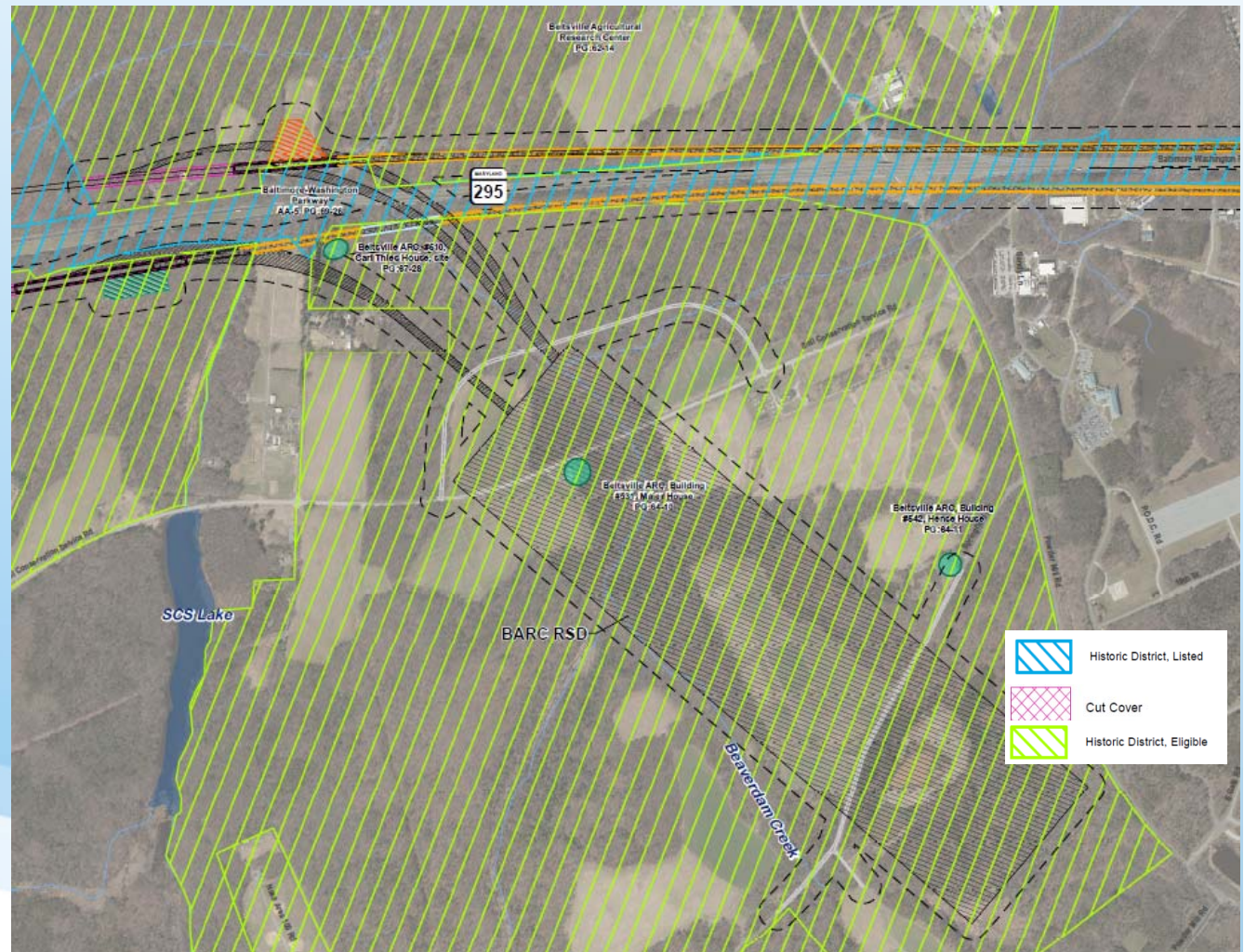


PROJECT UPDATES– MARYLAND



Revised BARC RSD Facility

- ▶ Landscape impacts on NRHP-eligible Historic District, including contributing research fields, forest buffers, and research forests
- ▶ Four known NRHP listed or eligible above-ground properties in APE
- ▶ One known archaeological site in APE

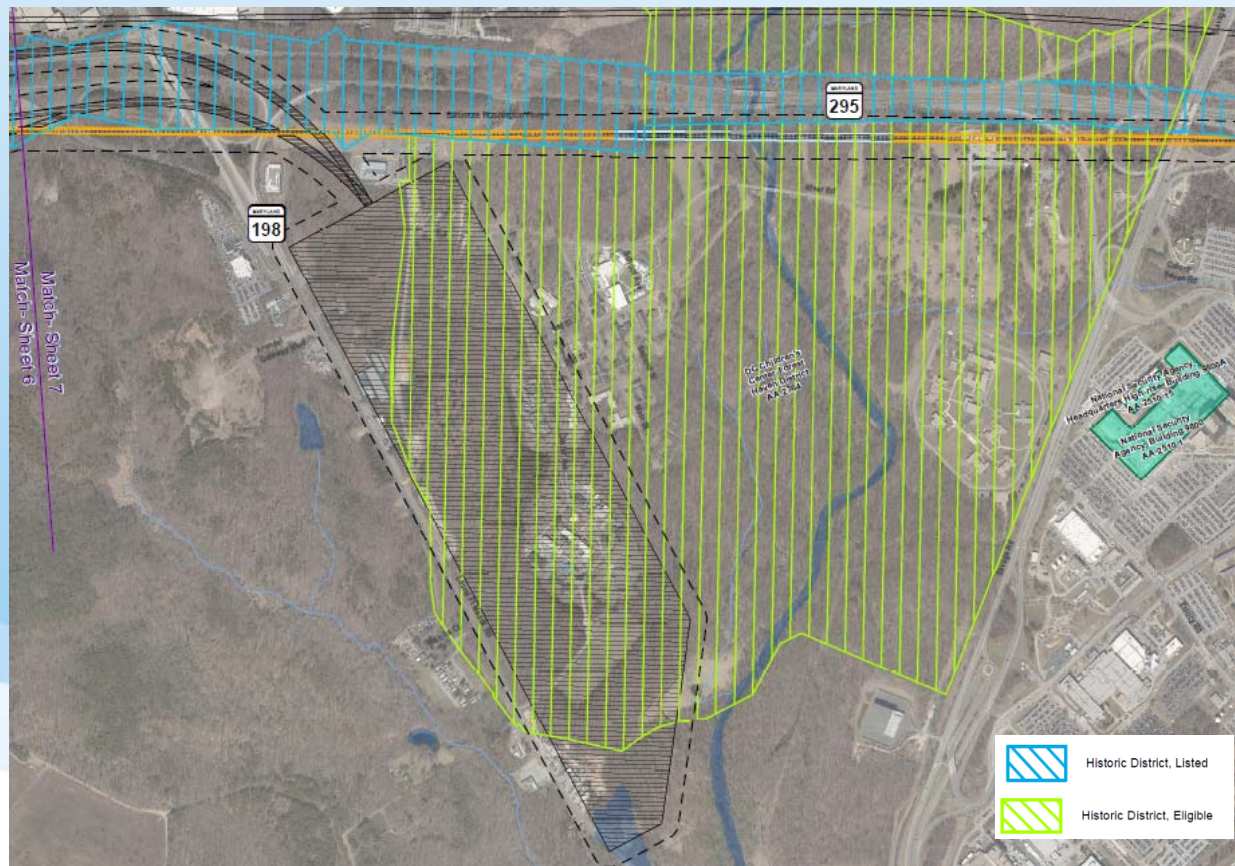


PROJECT UPDATES – MARYLAND



Revised MD 198 RSD Facility

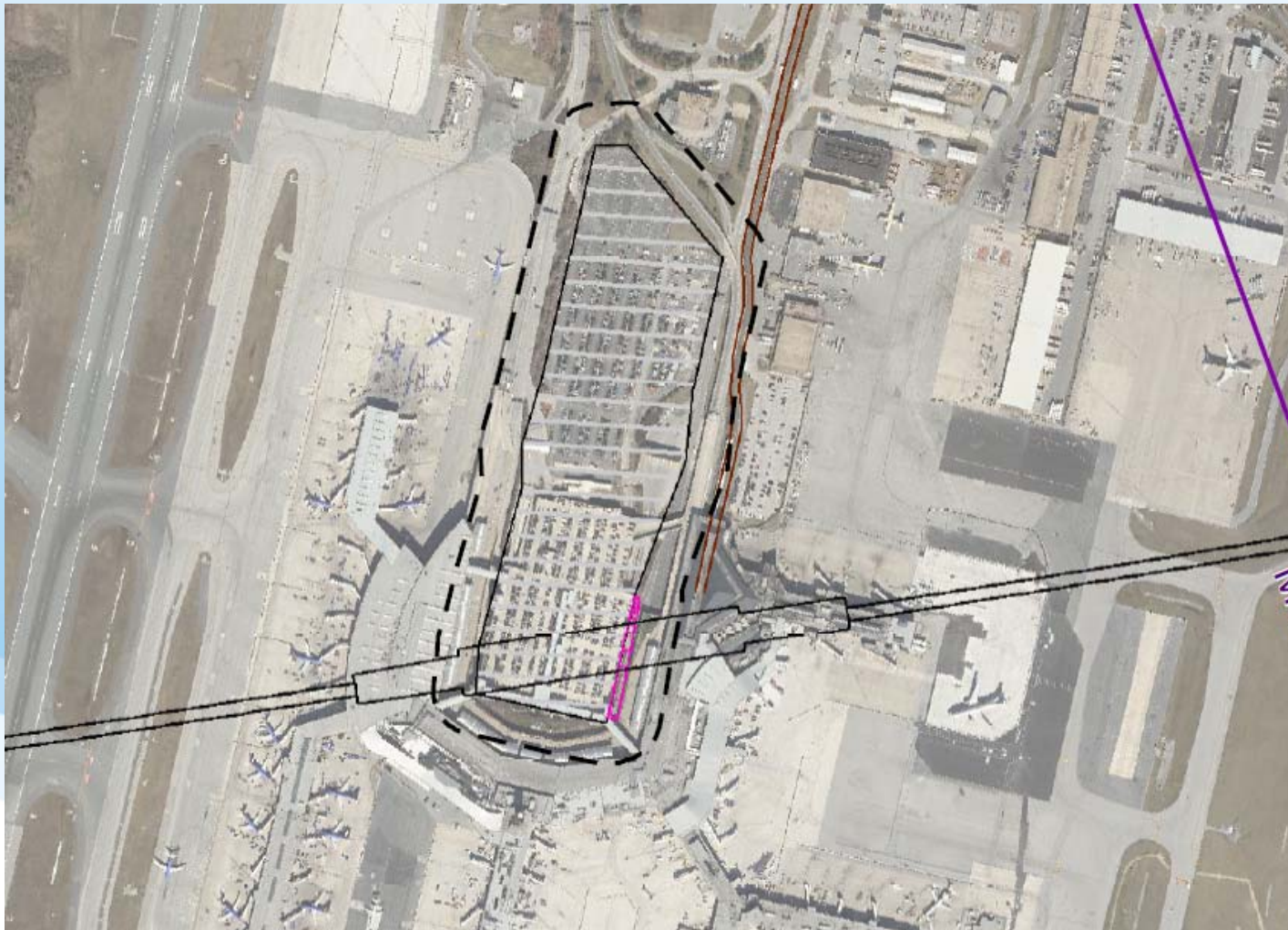
- ▶ Two known NRHP listed or eligible properties in APE
- ▶ Two known archaeological sites in APE



PROJECT UPDATES– MARYLAND

Expanded Footprint at BWI Airport

- ▶ No known NRHP listed or eligible properties in APE

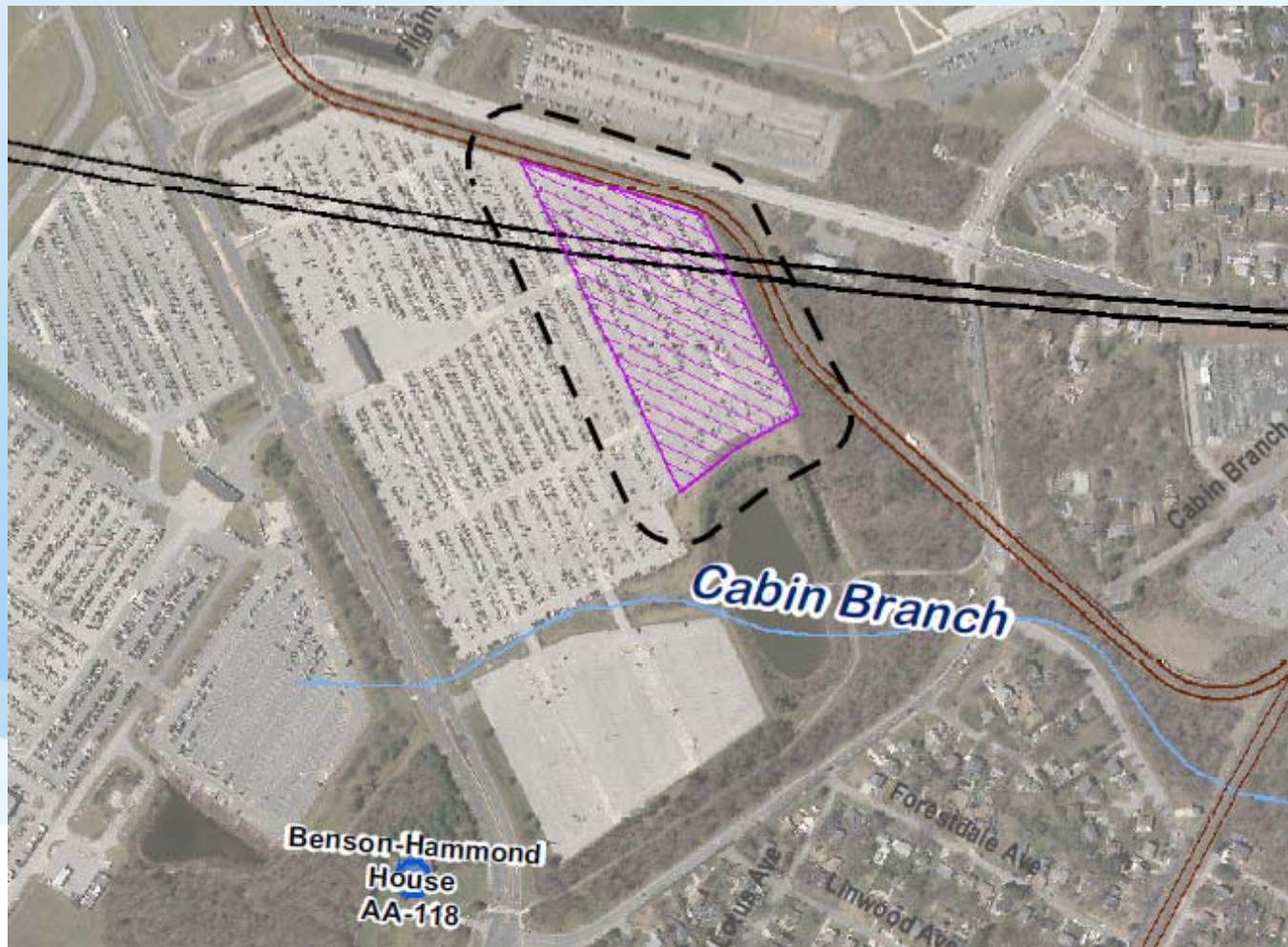


PROJECT UPDATES– MARYLAND



BWI Vent plant moved from infield to long-term parking

- ▶ No known NRHP listed or eligible properties in APE




PROJECT UPDATES – MARYLAND



Halethorpe Ventilation Plant

- ▶ No known NRHP listed or eligible properties in APE

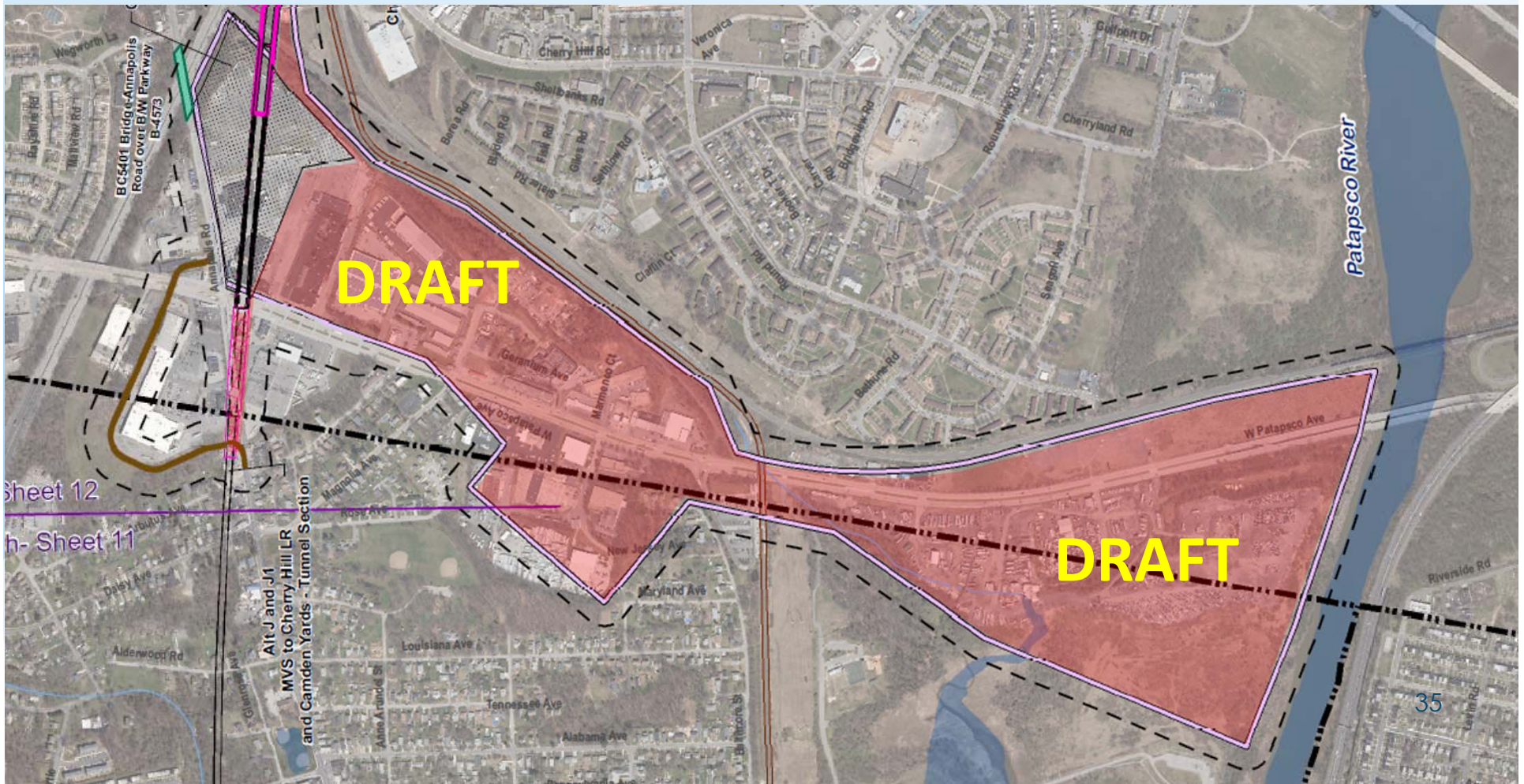
	Vent Plant
	TBM Launch

PROJECT UPDATES – MARYLAND



Cherry Hill Terminal Facility Under Consideration

- ▶ No known NRHP listed or eligible properties in APE

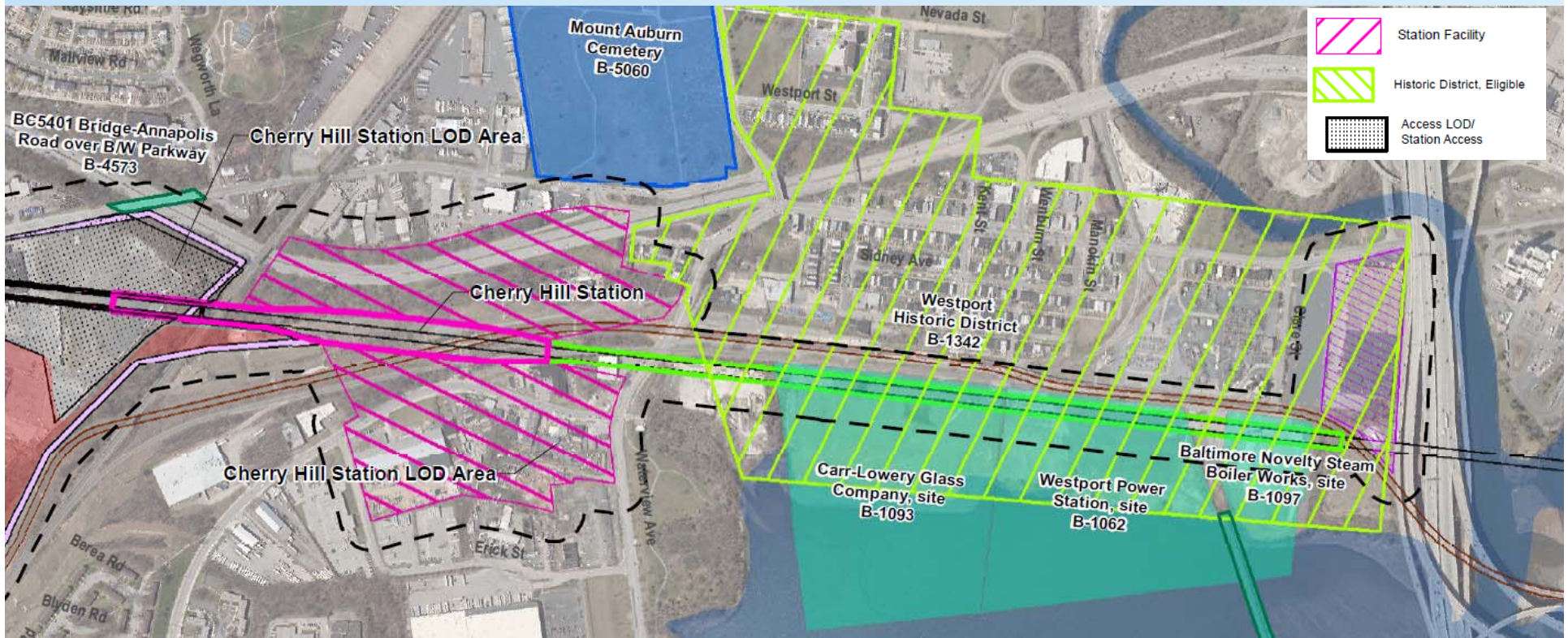


PROJECT UPDATES – MARYLAND



Replaced Westport and Covington Stations with **Cherry Hill Station and Tail Track**

- ▶ Six known NRHP listed or eligible properties in APE



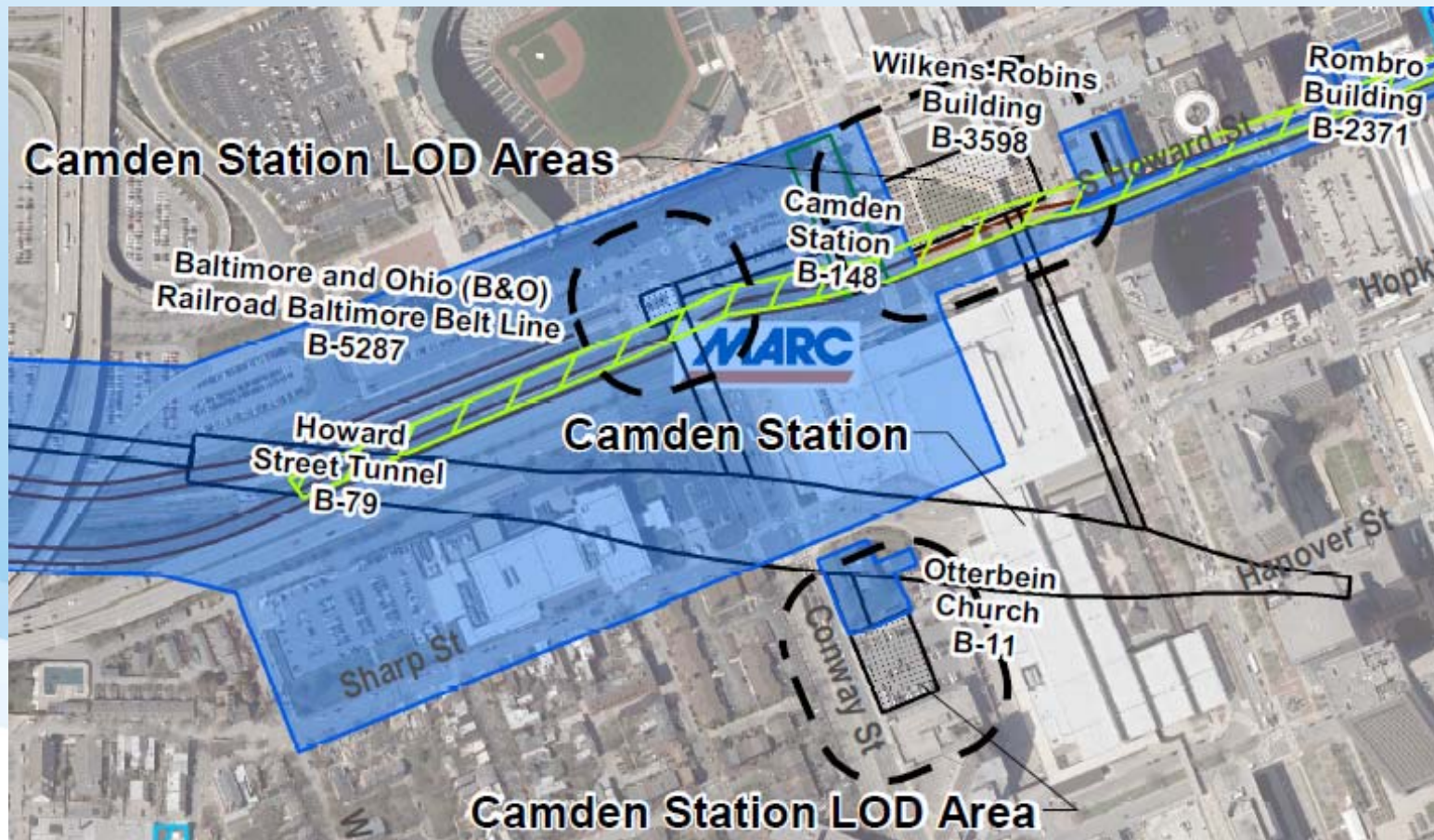
PROJECT UPDATES– MARYLAND



Camden Station, Three Proposed Entrances

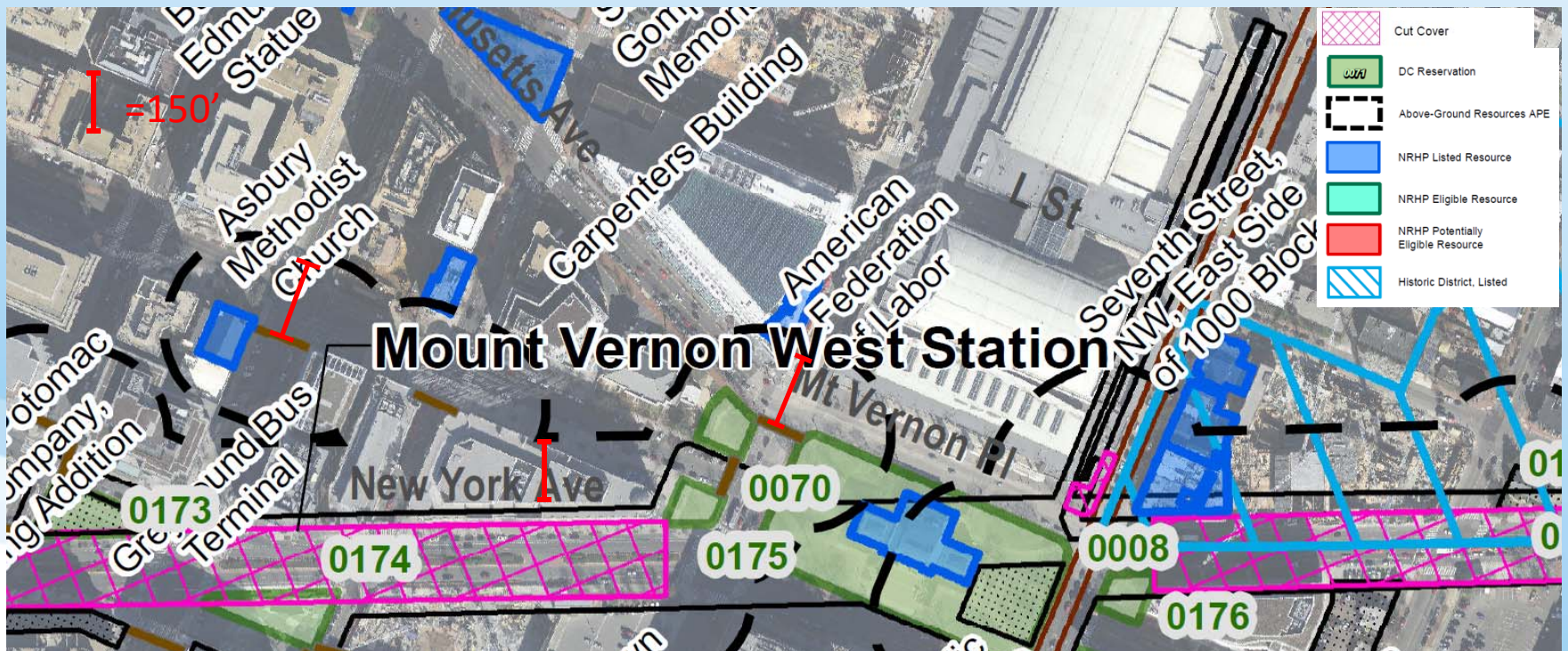
Five known NRHP listed or eligible above-ground properties in APE

Two archaeological sites in APE



AREA OF POTENTIAL EFFECTS

- ▶ Defining the Area of Potential Effects (APE) for **Historic Architectural Resources**:
150 feet buffer from edge of project area



AREA OF POTENTIAL EFFECTS



- ▶ Defining the Area of Potential Effects (APE) for **Archaeological** Resources:

Limits of Disturbance as defined by project



HISTORIC PROPERTIES IN APE



For the purposes of the DEIS, we are including previously identified historic properties and will identify new historic properties

- ▶ NRHP-listed: **17**
- ▶ NRHP-eligible: **11**
- ▶ Potentially NRHP-eligible: **3**

Treating DC Landmarks that have not been formally determined eligible to be “Potentially NRHP-eligible”

- Greyhound Bus Terminal
- Mount Vernon United Methodist Church
- Downtown Historic District Expansion

HISTORIC PROPERTIES IN DC (1 OF 2)



Property	Status
L'Enfant Plan (Reservations 008, 070, 071, 173, 174, 175, 176, 177, 177A, 178, 179, 180, plus vistas, streets, etc.)	DC Landmark; NRHP-listed (NRIS ID# 97000332)
Greyhound Bus Terminal	DC Landmark; Potentially NRHP-eligible
Asbury Methodist Church	DC Landmark; NRHP-listed (NRIS ID# 86003029)
Carpenters Building (United Brotherhood of Carpenters and Joiners- Local 132)	DC Landmark; NRHP-listed (NRIS ID# 03000945)
AFL Headquarters	DC Landmark: NRHP-listed; NHL (NRIS ID# 74002154)
Downtown Historic District Expansion	DC Landmark (pending), potentially NRHP-eligible
Mount Vernon Place U.M. Church	DC Landmark, potentially NRHP-eligible
Central Public Library (Carnegie Library)	DC Landmark, NRHP-listed

HISTORIC PROPERTIES IN DC (2 OF 2)



Property	Status
1005-1035 Seventh Street NW, and 649-651 New York Avenue NW	DC Landmark; NRHP-listed (NRIS ID# 84000861)
Mount Vernon Square Historic District	DC Landmark; NRHP-listed (NRIS ID# 99001071)
Yale Steam Laundry	DC Landmark; NRHP-listed (NRIS ID#3399000332)
Fletcher Chapel	DC Landmark; NRHP-listed (NRIS ID# 97000834)
Augusta and Louisa Apartment Buildings (The Augusta Apartment Building)	DC Landmark; NRHP-listed (NRIS ID# 94001032)
M Street High School (Perry School)	DC Landmark; NRHP-listed (NRIS ID# 86002924)

HISTORIC PROPERTIES IN MD (1 OF 2)



Property	Status
Martins Woods	NRHP-eligible (MIHP# PG: 72-68)
Baltimore-Washington Parkway	NRHP-listed (NRIS ID# 91000532)
Greenbelt Historic District	NHL, NRHP-listed (NRIS ID# 80004331)
Goddard Space Flight Center	NRHP-eligible (MIHP# PG 64-19)
Beltsville Agricultural Research Center (BARC)	NRHP-eligible (MIHP# PG:62-14)
DC Children's Center, Forest Haven District	NRHP-eligible (MIHP# AA-2364)
Bridge BC 5401	NRHP-eligible (MIHP# B-4573)
Mount Auburn Cemetery	NRHP-listed (NRIS ID# 01000456)
Westport Historic District	NRHP-eligible (MIHP# B-1342)


HISTORIC PROPERTIES IN MD (2 OF 2)



Property	Status
Carr-Lowrey Glass Company (Demolished)	NRHP-eligible (MIHP# B-1093)
Westport Power Station (Demolished)	NRHP-eligible (MIHP# B-134)
Baltimore Novelty Steam Boiler Works (Demolished)	NRHP-eligible (MIHP# B-1097)
Howard Street Tunnel and Power House	NRHP-listed (NRIS ID# 73002187) (MIHP# B-79)
Baltimore and Ohio (B&O) Railroad Baltimore Belt Line	NRHP-eligible (MIHP# B-148)
Camden Station	NRHP-eligible (MIHP# B-148)
Wilkins-Robins Building	NRHP-listed (NRIS ID# 80001792)
Otterbein Church	NRHP-listed (NRIS ID# 69000324)

ARCHAEOLOGICAL SITES IN APE



- ▶ NRHP-listed: **0**
- ▶ NRHP-eligible: **3**
- ▶ Determined Not NRHP-eligible: **2**
- ▶ Not Evaluated: **16**  **For the purposes of EIS, treated eligible until determined otherwise**

ARCHAEOLOGICAL SITES IN DC



Property	Description	Status
51NW141	19th century, domestic	NRHP-eligible
51NW121	19th and 20th century, domestic and commercial	NRHP-eligible
51NW244	Unknown	Not Eligible

ARCHAEOLOGICAL SITES IN MD (1 OF 2)



Property	Description	Status
18AN1218	19th-20th century truck farm	Not Evaluated
18AN1408	Ephemeral prehistoric lithic scatter	Not Evaluated
18AN1412	Late 19th-20th century standing farmstead and artifact scatter	Not Evaluated
18AN1518	Late 19th - mid 20th century dwelling	Not Evaluated
18AN208	18th-19th century plantation house site	Not Evaluated
18AN496	Middle and Late Woodland short-term resource procurement	Not Evaluated
18AN558	Late Archaic short-term resource procurement	Not Evaluated
18AN559	Prehistoric lithic scatter	Not Evaluated
18BA88	Prehistoric shell midden	Not Evaluated
18BC102	Late 18th-early 19th century possible house site, late 19th-early 20th century brick rowhouse site	Not NRHP-eligible

ARCHAEOLOGICAL SITES IN MD (2 OF 2)



Property	Description	Status
18BC25	Early to late 19th century outhouses/privies and well	Not Evaluated
18BC27	Early to late 19th century outhouses/privies and well	Not Evaluated
18PR1025	Early 19th century battlefield (War of 1812) and Mid 19th century (Civil War) military fortification, 18th mill	Not Evaluated
18PR381	Late 19th-20th century cemetery	Not Evaluated
18PR440	19th-early 20th century ruin	Not Evaluated
18PR83	Archaic short-term resource procurement	Not Evaluated
18PR84	Archaic short-term resource procurement	Not Evaluated

CULTURAL RESOURCE METHODOLOGY – NOW AND IN THE FUTURE



- ▶ FRA will utilize a phased approach throughout the cultural resource investigations
- ▶ FRA will comply with provisions of both NEPA and NHPA Section 106
- ▶ FRA will consult with MDSHPO, DCHPO, ACHP, NPS, USDA-ARS BARC, USFWS, and other consulting parties with an interest in the project and its effects on historic properties

Consulting Parties may review and comment on:

- ▶ Results of background research
- ▶ Definition of APE
- ▶ Identification of historic properties
- ▶ Assessment of effects on historic properties
- ▶ Measures to avoid, minimize, and mitigate adverse effects on historic architectural properties, archaeological properties, and traditional cultural properties (TCPs)

METHODOLOGY - RESEARCH



Background research will include:

- ▶ Known archaeological sites and areas with potential for sites
- ▶ Previous archaeological investigations
- ▶ NRHP listed and NRHP eligible properties
- ▶ Previously recorded (unevaluated) properties
- ▶ DC Landmarks (treated as potentially NRHP-eligible)
- ▶ Information to develop a historic context.

METHODOLOGY - IDENTIFICATION



Resource Identification will include:

- ▶ LOD for archaeological properties
- ▶ Areas with potential for direct or indirect effects on above-ground properties
- ▶ Field survey of 45-year-old and older (pre-1974) properties
- ▶ Identification and evaluation of new, potentially NRHP eligible built resources and archaeological sites based on field survey of federal lands, then state lands, then local lands, then private property
- ▶ Evaluation of surveyed properties for the NRHP according to NRHP Criteria (A, B, C, and D).

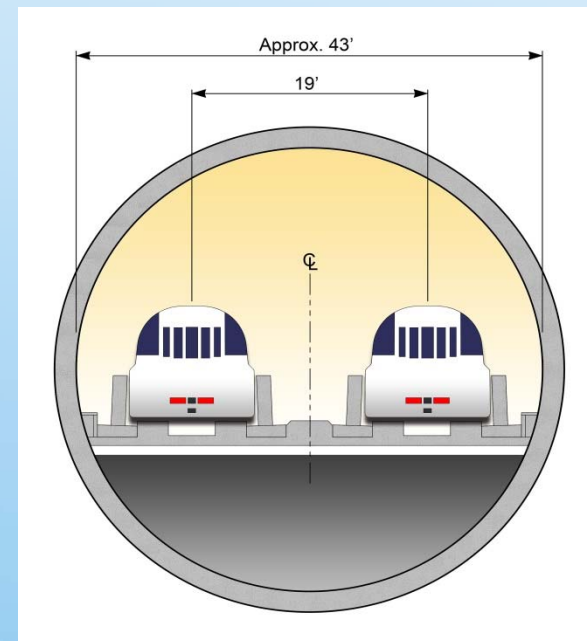
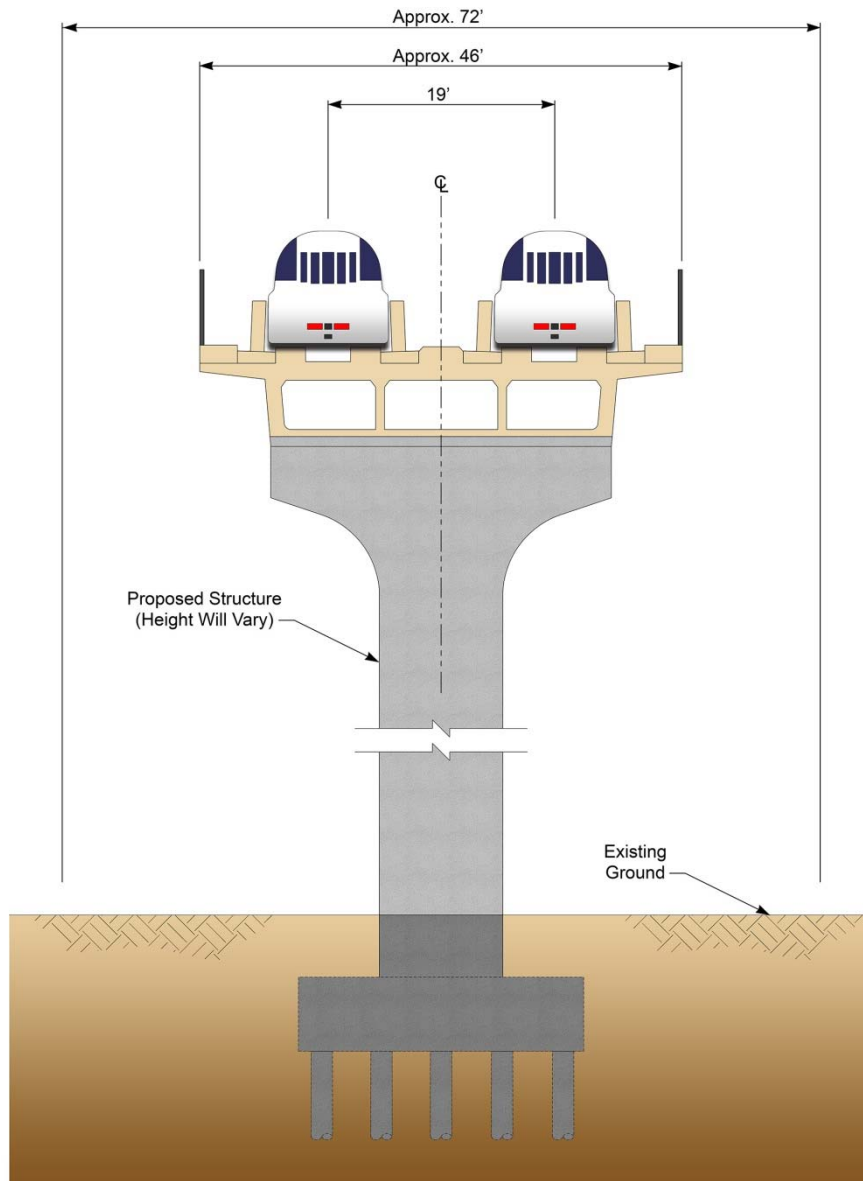
METHODOLOGY - ASSESSING EFFECTS



Adverse Effects may:

- ▶ Demolish, alter, or damage archaeological and architectural properties
- ▶ Introduce unwanted lighting and other visual effects
- ▶ Alter the NRHP status of affected properties;
- ▶ Be avoided or minimized, resulting in “No Adverse Effect” determination
- ▶ Adverse effects must be mitigated by measures agreed to by consulting parties

CONCEPTUAL DESIGNS – ASSESSING EFFECTS



CONCEPTUAL DESIGNS – ASSESSING EFFECTS



View from intersection of MLK Jr. Highway and Ardwick Ardmore Road.

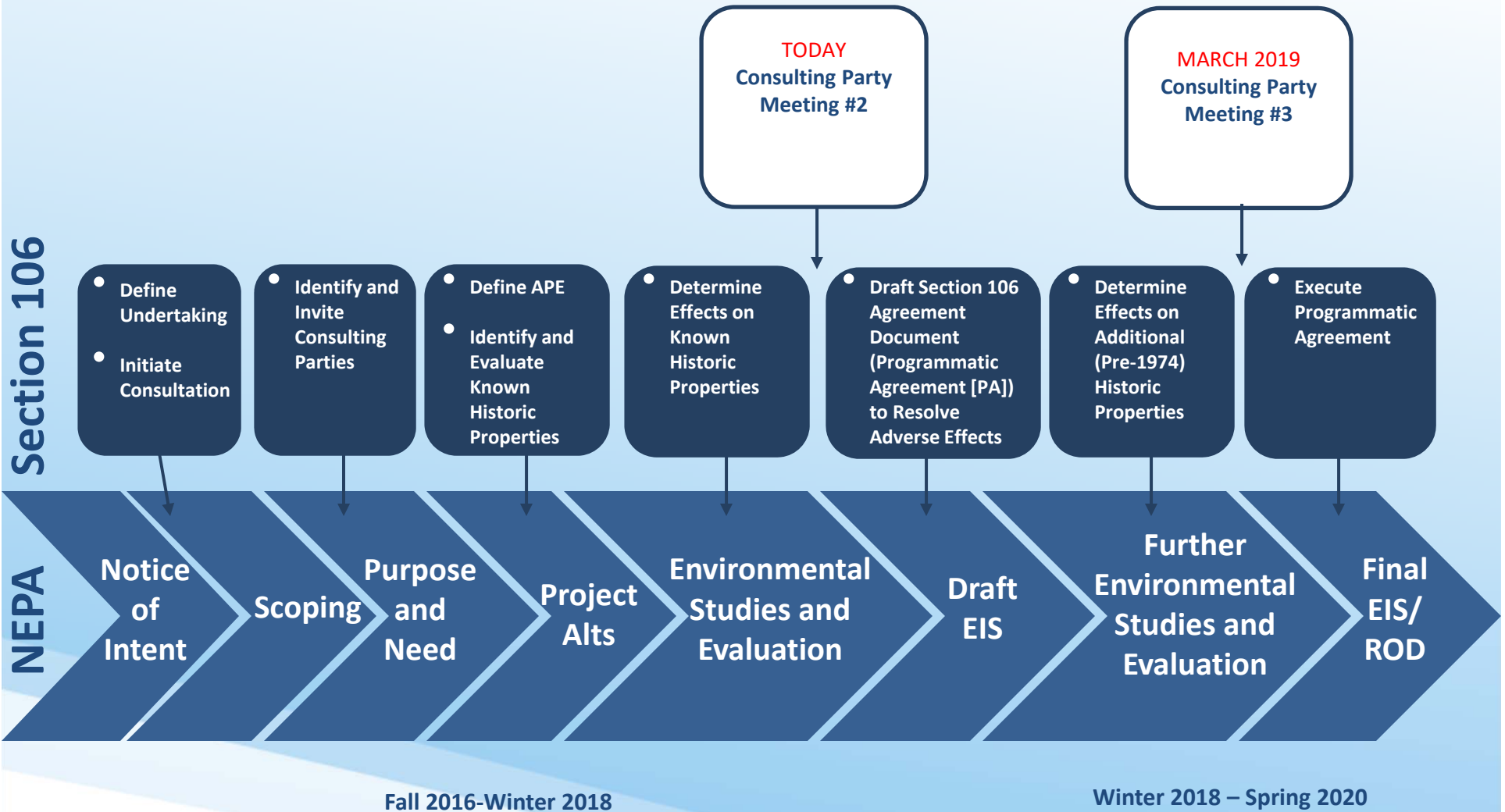


Louis Berger



di Domenico + Partners

SECTION 106 AND NEPA COORDINATION



PROPOSED FIELD SURVEY METHODOLOGY



Archaeology:

- ▶ Phase IA archaeological assessments for stations, RSDs, and any other facilities not accessible for traditional Phase I survey
- ▶ Have submitted Archaeological Resources Protection Act (ARPA) permits for Phase I survey along BW Parkway and at Patuxent Research Refuge
- ▶ Submittal of ARPA permit for USDA-ARS BARC contingent on start of discussion regarding curation. Other ARPA permits dependent on overall property access negotiations
- ▶ Need to discuss curation for any future work in Washington, D.C., and on any federal lands where the agency does not have a curation facility or agreement

PROPOSED FIELD SURVEY METHODOLOGY



- ▶ Will submit application(s) for Permit Under Maryland Archeological Historic Properties Act prior to initiation of Phase I survey on state lands
- ▶ Phase I archaeological survey for “greenfield” RSDs and other ancillary facilities will occur once planning and design advances further
- ▶ Item for discussion: Curation for any artifacts from Washington, D.C., and any federal lands where the agency does not have a curation facility or agreement with Maryland Archaeological Conservation Laboratory

PROGRAMMATIC AGREEMENT



- ▶ FRA has begun thinking about future development of a project-specific Programmatic Agreement (PA), in consultation with other signing parties
- ▶ The Maglev PA will provide project-wide consistency in consultation, identification, and evaluation of historic properties
- ▶ The Maglev PA allows for a phased approach

POTENTIAL MITIGATION



Mitigation Measures may include:

- ▶ Vegetative screening
- ▶ Photographic recordation to HABS/HAER/HALS standards
- ▶ Design guidelines
- ▶ Archaeological protection plans
- ▶ Public educational materials, including oral histories
- ▶ Interpretative signage
- ▶ NRHP and NHL nominations
- ▶ Historic contexts and narratives
- ▶ Geo-referencing historic maps and aerial photos
- ▶ Archaeological data recovery (Phase III)

SCHEDULING AND NEXT STEPS



Upcoming Milestones:

- ▶ Draft DEIS to Agencies: **To Be Determined**
- ▶ Draft Report to Consulting Parties and SHPOs: **To Be Determined**

Section 106 Activities:

- ▶ Technical Reports sent to SHPOs, Tribal Representatives
- ▶ Consulting Party Meeting 3: **March 2019**

Architectural History and Archaeology
Fieldwork: **Starting Fall 2018**

QUESTIONS AND COMMENTS



Thank You for Your Participation

- ▶ Comments and information on historic properties can be provided in multiple ways:
 - ▶ At this meeting
 - ▶ Website: bwmaglev.info
 - ▶ Email: info@BaltimoreWashingtonSCMaglevProject.com
 - ▶ Correspondence addressed to:

Brandon L. Bratcher
Environmental Protection Specialist
U.S. Department of Transportation
Email: brandon.bratcher@dot.gov
Office: (202) 493-0844

SCMAGLEV Project
c/o Suhair Al Khatib, Deputy Administrator &
Chief Planning, Program and Engineering Officer
Maryland Department of Transportation
Maryland Transit Administration
6 Saint Paul Street
Baltimore, MD 21202



MARYLAND TRANSIT
ADMINISTRATION