Potomac Yard Metrorail Station Design

Potomac Yard Metrorail
Implementation Work Group
November 16, 2015

Agenda

I. Introductions

II. Review of Previous Meeting & Feedback

III. Station Enclosure Forms

IV. Potomac Greens Park Concepts

V. Small Group Discussion

VI. Group Exercise

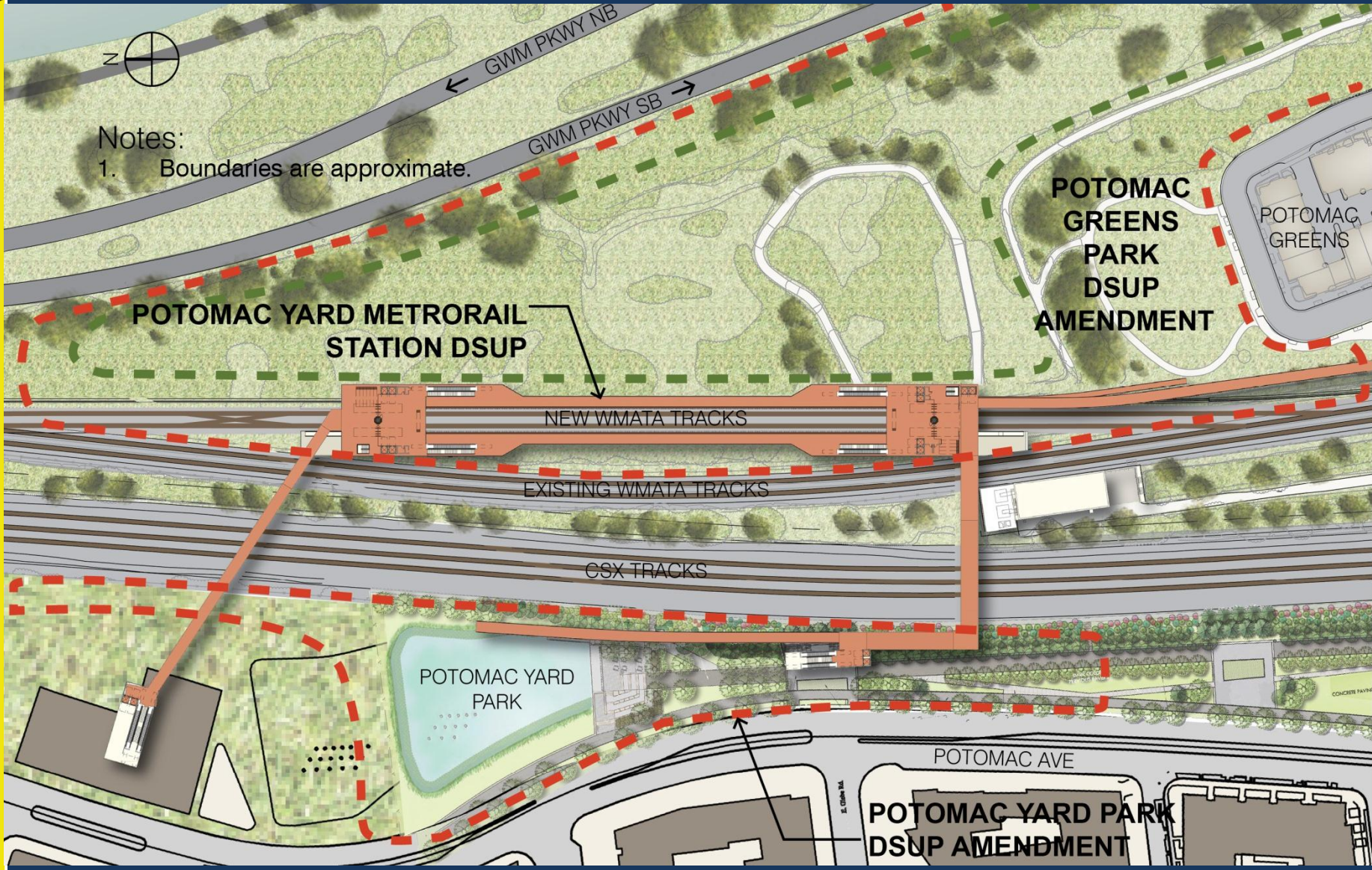
VII. Next Steps

VIII. Comments/Questions

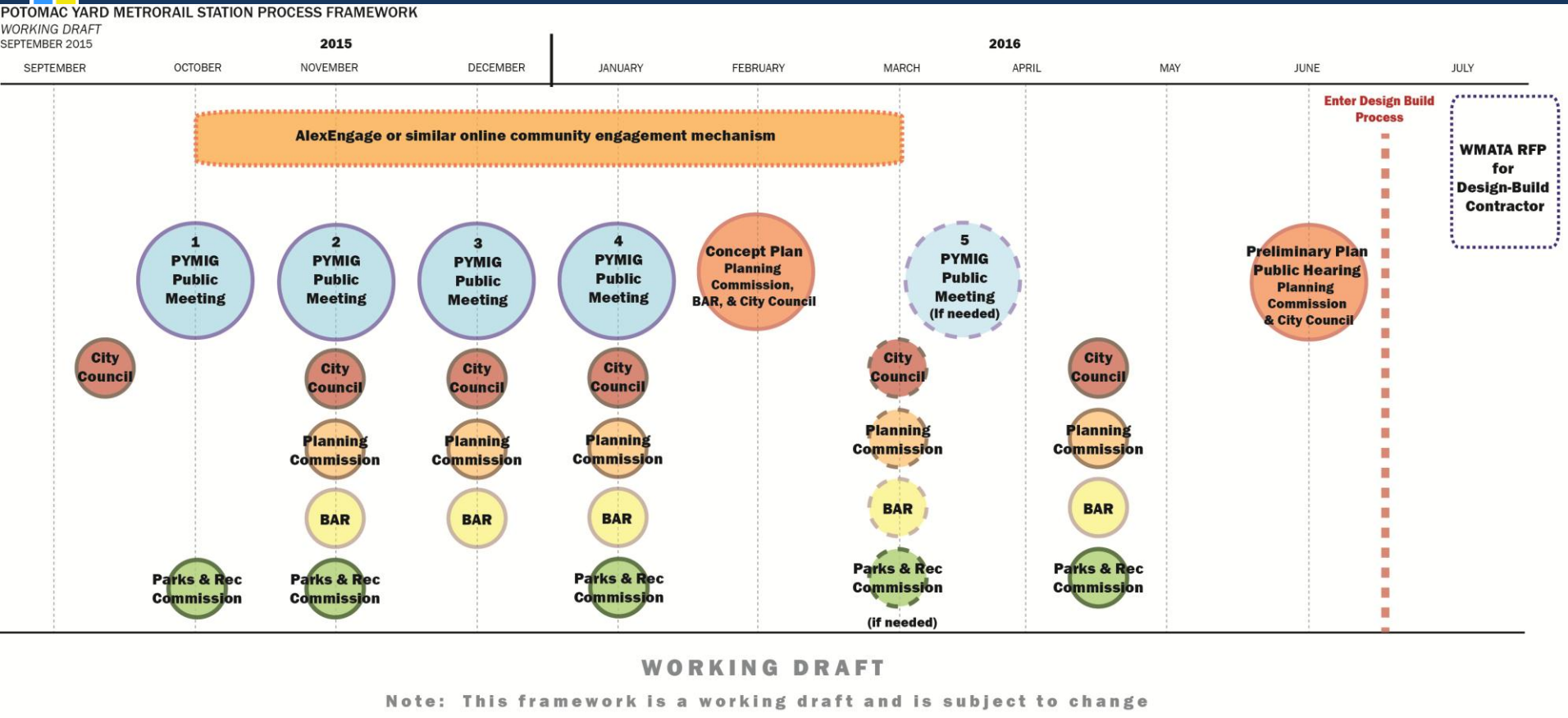
IX. Adjourn

REVIEW OF PREVIOUS MEETING & FEEDBACK RECEIVED

City Approvals



PROCESS


POTOMAC YARD METRORAIL STATION PROCESS FRAMEWORK
WORKING DRAFT
SEPTEMBER 2015
2015
2016
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AlexEngage or similar online community engagement mechanism
Enter Design Build Process
WMATA RFP for Design-Build Contractor
1 PYMIG Public Meeting
2 PYMIG Public Meeting
3 PYMIG Public Meeting
4 PYMIG Public Meeting
Concept Plan Planning Commission, BAR, & City Council
5 PYMIG Public Meeting (If needed)
Preliminary Plan Public Hearing Planning Commission & City Council
City Council
Planning Commission
BAR
Parks & Rec Commission
(if needed)
WORKING DRAFT
Note: This framework is a working draft and is subject to change

Design Principles

APPEARANCE

The station design and materials will be high quality, enduring, cohesive, and reflect the function of the station

The materials will be appropriate to the use and scale of the station

CONTEXT

The station design and configuration will balance the characteristics of the various settings – the adjoining parks, parkway, residential and mixed-use neighborhoods

ENVIRONMENT

The station and infrastructure will be designed to enhance its immediate environment of wetland, woodland, and open space

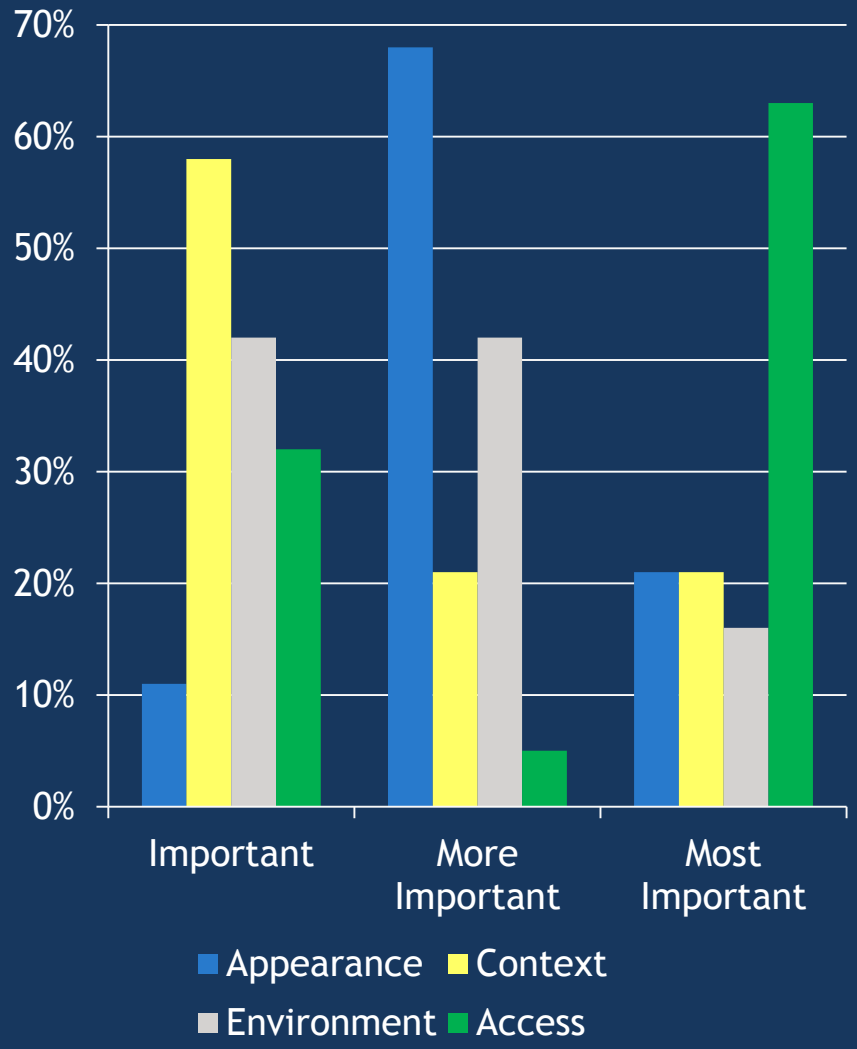
The station system design will make use of materials and strategies that are environmentally sensitive

ACCESS

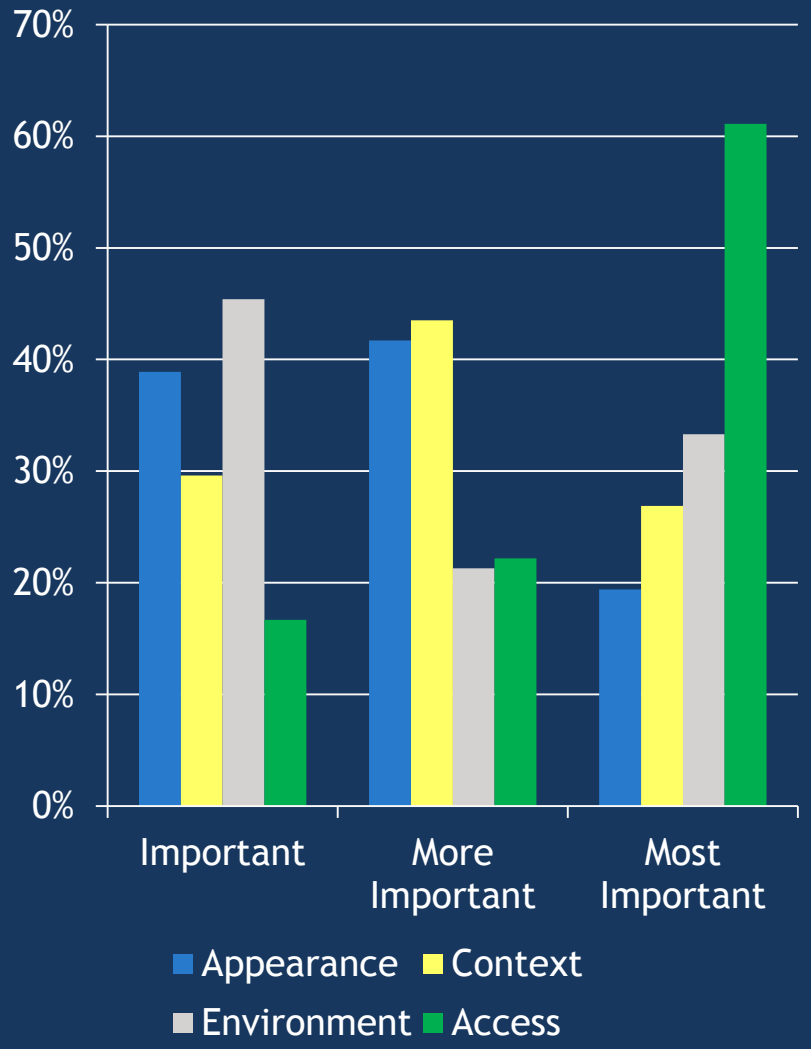
The station and its elements will make the transit experience pleasant and efficient

What We Heard – Design Principles

PYMIG

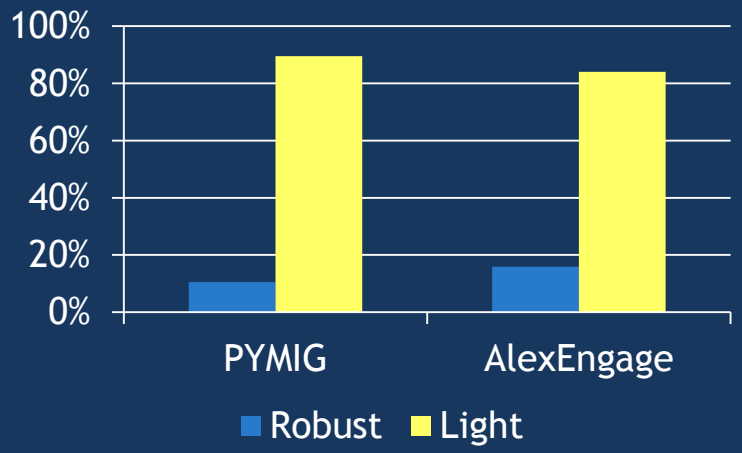


AlexEngage

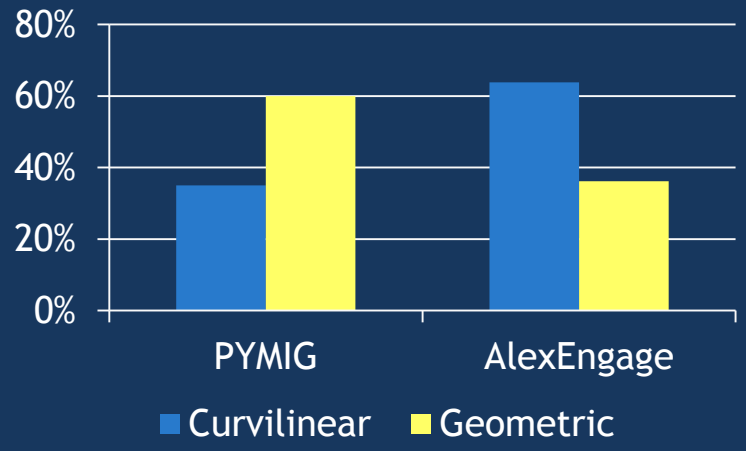


What We Heard - Design Strategies

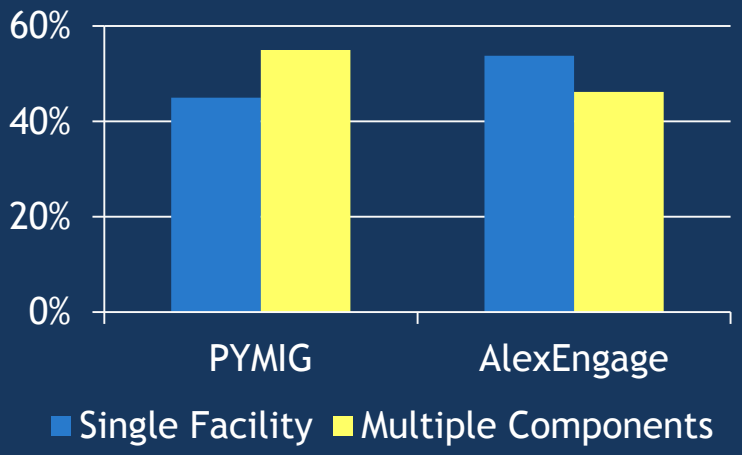
Robust vs Light

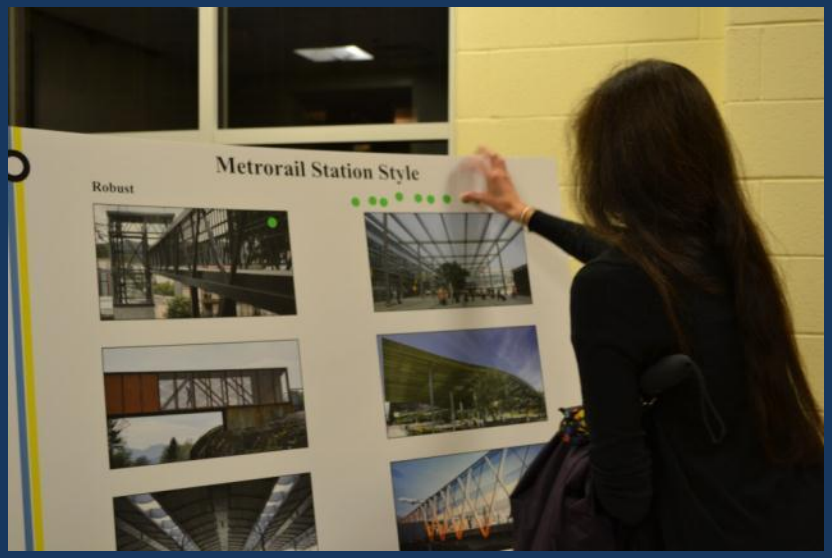


Curvilinear vs Geometric



Single vs Multiple





What We Heard – Potomac Greens Park

A 40.9%

B 31.8%

C 62.1%

D 47.0%

E 53.0%

F 34.8%

G 57.6%

H 27.3%

I 57.6%

J 60.6%

K 27.3%

L 27.3%

VISUAL LANDSCAPE ASSESSMENT AND DESIGN STRATEGIES (2014)

VISUAL LANDSCAPE ASSESSMENT AND DESIGN STRATEGIES (2014)

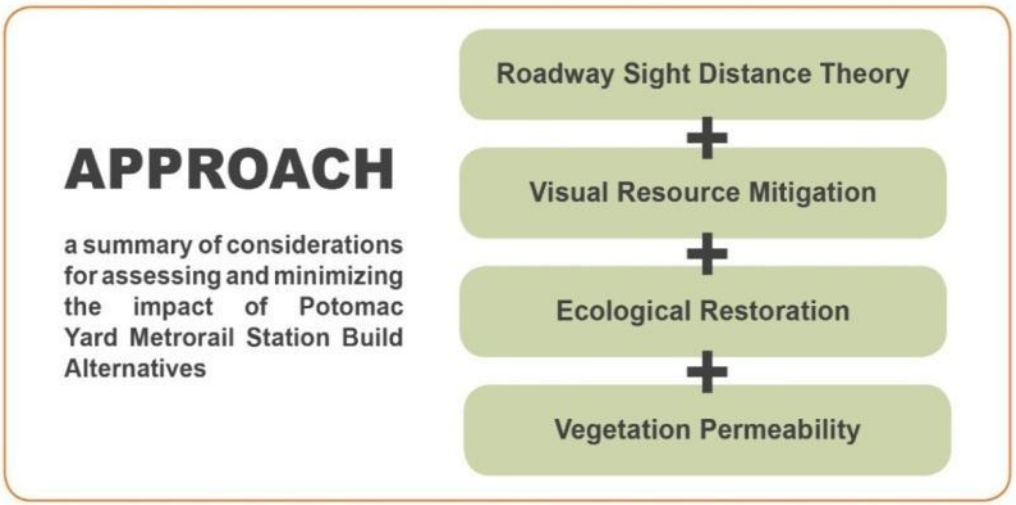


Figure 15. Overall Approach

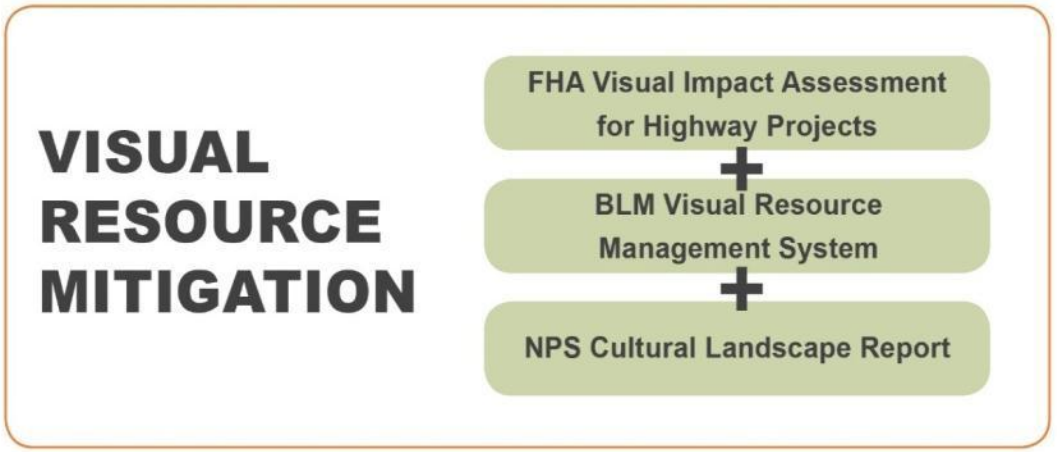


Figure 20. Summary of Visual Mitigation Approach

Figure 41. Overall Approach + Strategies

VISUAL LANDSCAPE ASSESSMENT AND DESIGN STRATEGIES (2014)

CONCEPTS

ALTERNATIVE B- RECOMMENDED PLANTING: ENLARGEMENT

DESIGN CONCEPTS + VIEWS

LEGEND

- Park / Open Space (existing vegetation
- USACE and NPS Identified Wetlands (existing vegetation)
- Landscape Assessment Identified Upland Vegetation
- Alternative B LOD
- Alternative B Station
- Parcel Boundaries
- CSX Tracks
- Metrorail Tracks
- Canopy Trees- avg. 20 yr growth depicted
- Evergreen Trees- avg. 20yr growth depicted
- Understory Trees- avg. 20yr growth depicted
- Cultural Landscape Shrubs- avg. 20yr growth depicted
- Restoration Wetland Herbaceous Perennials + Shrubs
- Cultural Landscape Report Herbaceous Perennials
- Upland Herbaceous Perennials + Shrubs

ORANGE AREA INCLUDES HISTORIC PLANTING ON NPS LAND

ALTERNATIVE B - RECOMMENDED PLANTING LIST

COMMUNITY TYPES

Wetlands- Emergent (WE)
Wetlands-Forested (WF)
Slopes (S)
Disturbed (D)
Uplands (U)
Cultural Landscape Report (CLR)

*For full plant list, see Appendix

TREES	
Acer rubrum	WF, S, U,CLR
Alnus serrulata	WF
Amelanchier canadensis	WF
Carpinus caroliniana	WF, U
Chamaecyparis thyoides	WF
Chionanthus virginicus	CLR
Ilex opaca	WF,CLR
Liquidambar styraciflua	WF, U,CLR
Magnolia virginiana	WF
Nyssa sylvatica	WF, S,CLR
Pinus taeda	WF
Pinus virginiana	CLR
Prunus serotina	CLR
Ulmus americana [disease resistant cultivars]	WF, U,CLR
SHRUBS	
Cephalanthus occidentalis	WE,CLR
Clethra alnifolia	WE,S,CLR
Cornus sericea	WE,CLR
Hamamelis virginiana	CLR
Hibiscus moscheutos	WE
Hydrangea arborescens	S
Ilex verticillata	WE,U, CLR
Rhus glabra	CLR
Rhus typhina	CLR
Rosa palustris	WE
Rosa virginiana	CLR
Sambucus racemosa	S,CLR
Viburnum dentatum	WE,U,CLR
HERBS	
Aster divaricatus	S
Carex albursina	U
Carex comosa	WE
Carex jamesii	U
Dryopteris marginalis	S
Eleocharis palustris	WE
Helenium autumnale	WE
Hibiscus moscheutos	WE
Impatiens capensis	WF, WE
Impatiens pallida	U, S
Iris versicolor	WF
Leersia oryzoides	WE
Nuphar luteum	WF
Osmunda cinnamomea	WF
Osmunda regalis	WF
Parthenocissus quinquefolia	WF
Peltandra virginica	WF, WE
Phlox divaricata	U
Pilea pumila	U,S
Polygonum arifolium	WF
Polygonum hydropiperoides	WE
Polygonum punctatum	WE
Polygonum sagittatum	WE
Polystichum acrostichoides	S
Pontederia cordata	WE
Rosa palustris	U, WE
Rudbeckia laciniata	U
Saururus cernuus	WF
Scirpus spp. (pungens, fluviatilis, validus)	WE
Scirpus validus	WE
Solidago flexicaulis	S
Thalictrum dioicum	S
Zizania aquatica	WE

Note: Concepts were developed by the City of Alexandria to understand feasibility of visual mitigation; concepts have not been endorsed or adopted by the National Park Service

VISUAL LANDSCAPE ASSESSMENT AND DESIGN STRATEGIES (2014)

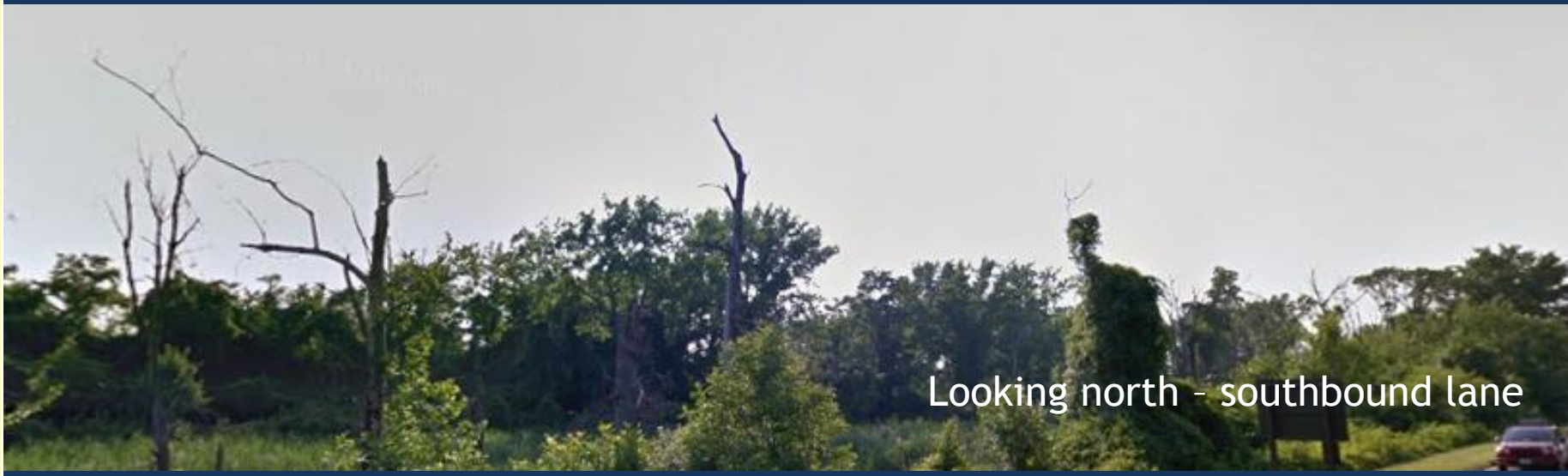
View 10 years after planting, summer

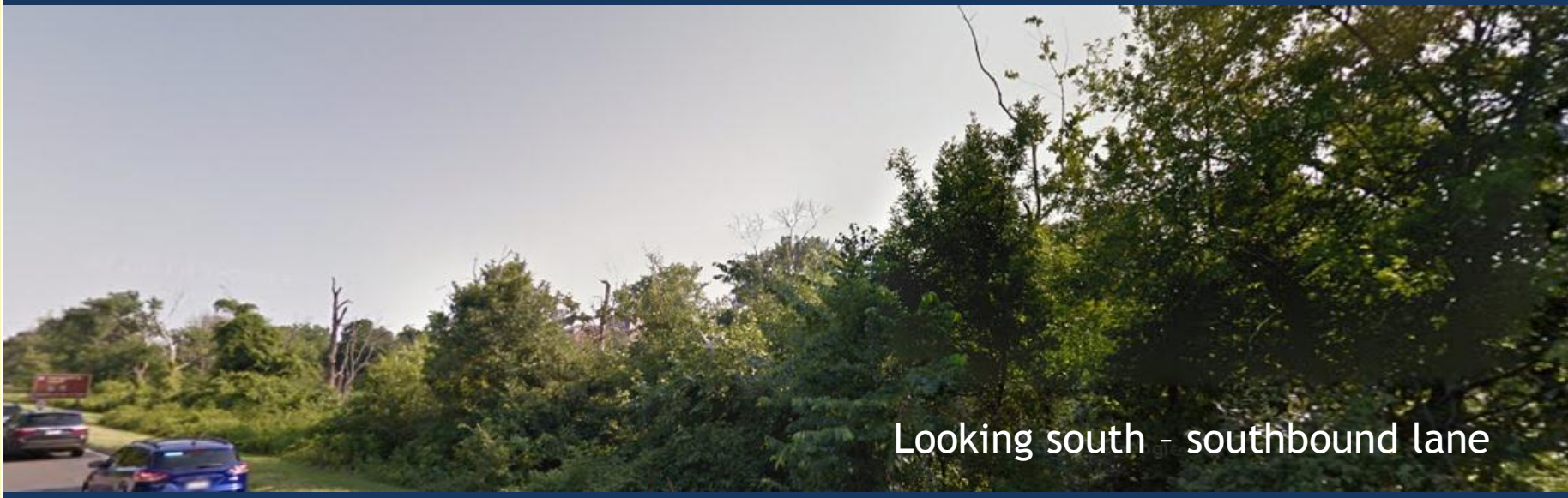
View 20 years after planting, winter

Note: Concepts were developed by the City of Alexandria to understand feasibility of visual mitigation; concepts have not been endorsed or adopted by the National Park Service

EXISTING CONTEXT

George Washington Memorial Parkway

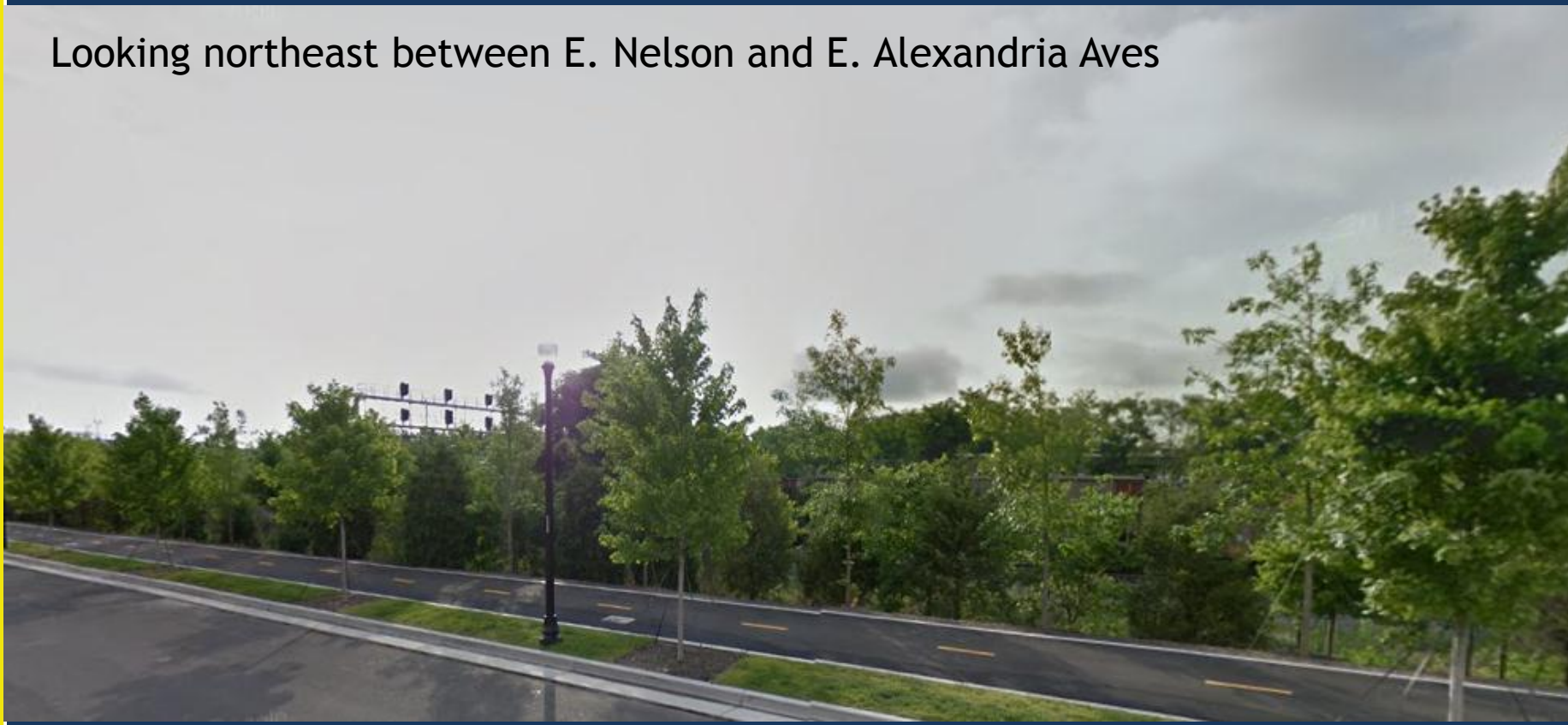




Potomac Avenue

Main Line Boulevard

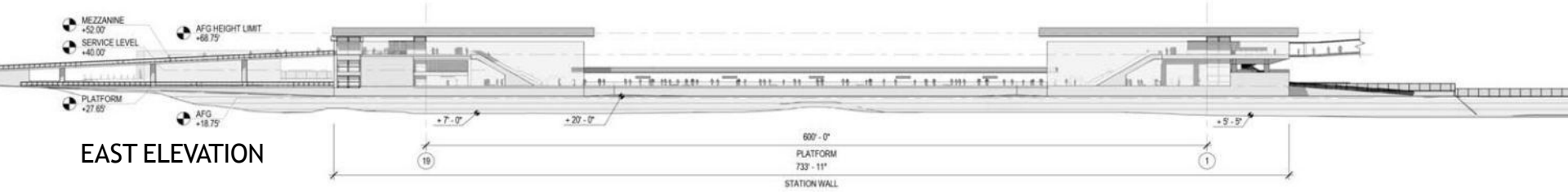
Looking northeast between E. Nelson and E. Alexandria Aves



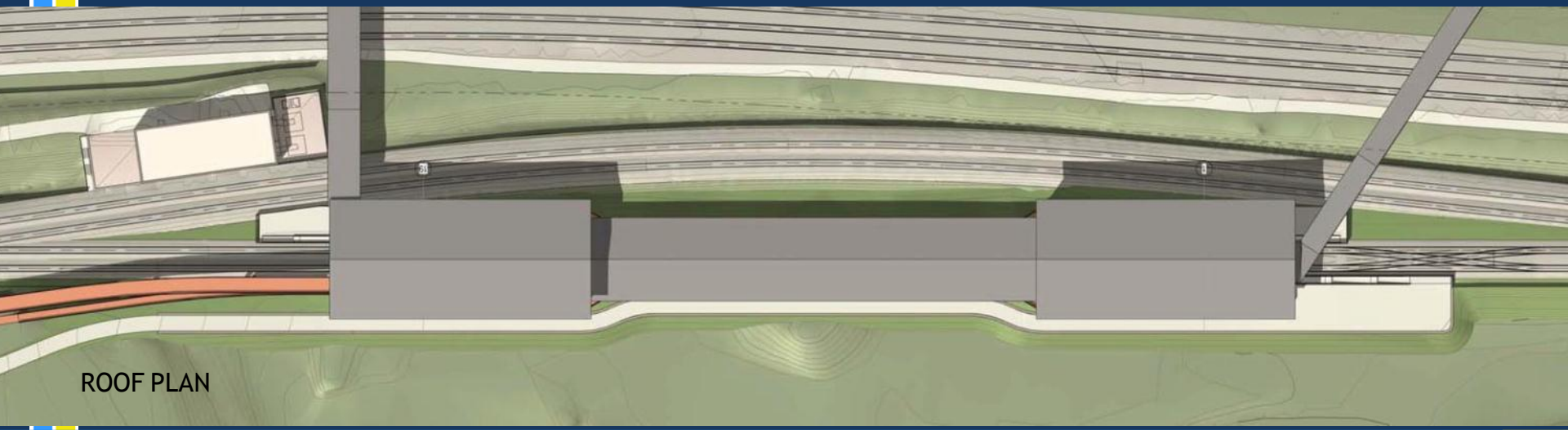
STATION ENCLOSURE FORMS

Split Form - Geometric

CONCEPTUAL SKETCH



EAST ELEVATION



ROOF PLAN

SPLIT FORM - GEOMETRIC

RENDERED VIEW LOOKING NORTHWEST

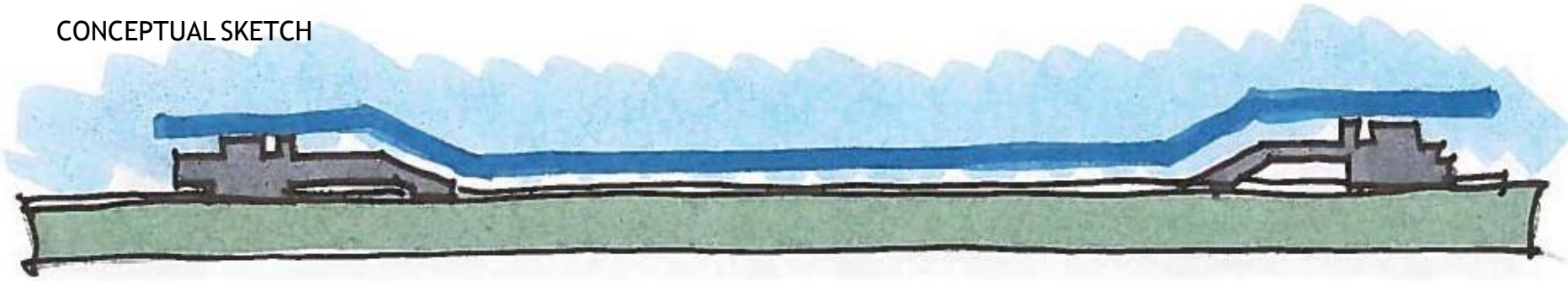
PROPOSED PLANTINGS (TREES, SHRUBS, GRASSES PROVIDED FOR WETLAND RESTORATION AND LANDSCAPE MITIGATION) HAVE BEEN OMITTED IN THEIR ENTIRETY TO SHOW STATION FORM

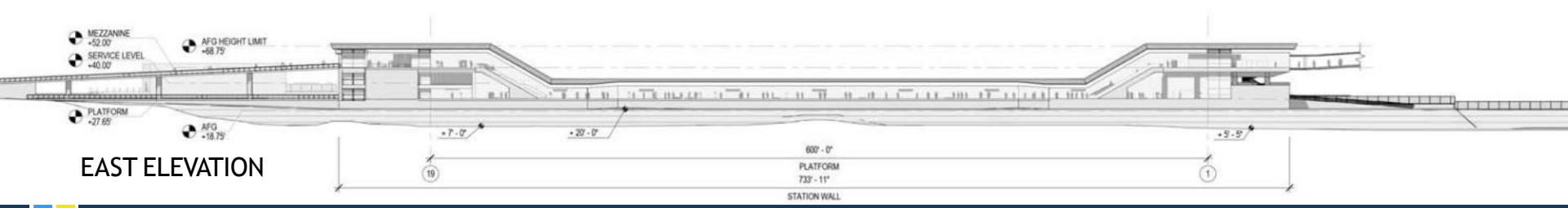
EXISTING VIEW FROM PARKWAY LOOKING NORTHWEST

POTENTIAL VIEW FROM SOUTHBOUND PARKWAY LOOKING SOUTHWEST – 10 YEARS GROWTH OF NEW PLANTS (SUMMER)

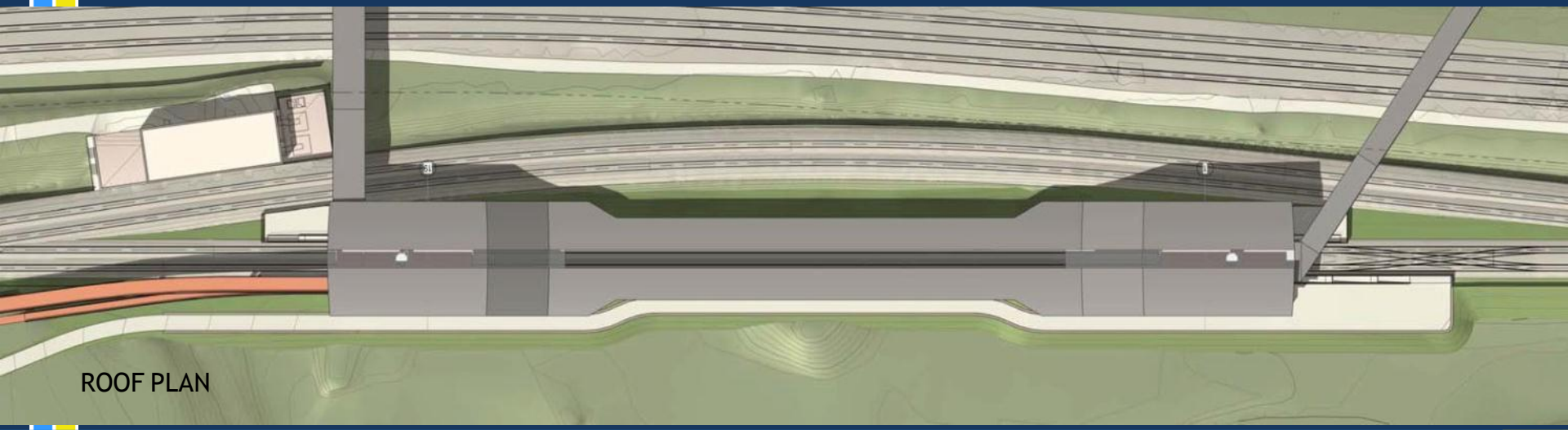
Single Form - Geometric

CONCEPTUAL SKETCH





EAST ELEVATION



ROOF PLAN

SINGLE FORM - GEOMETRIC

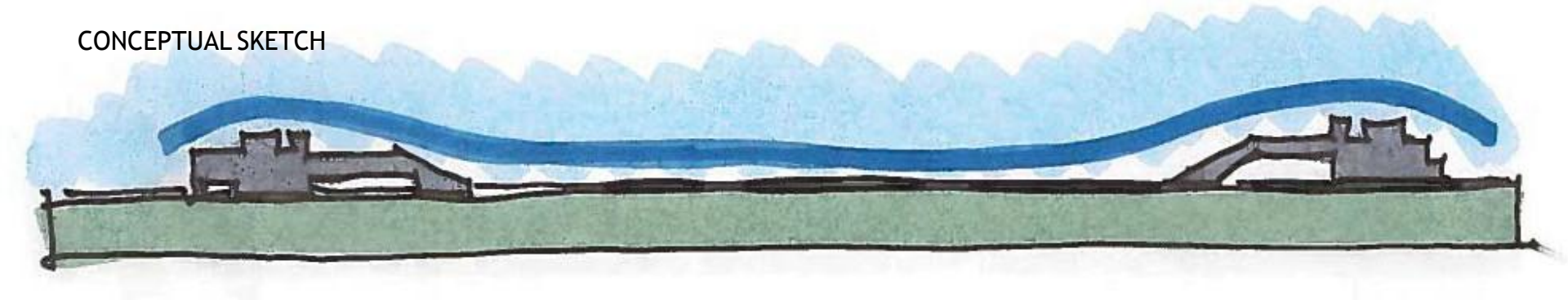
RENDERED VIEW LOOKING NORTHWEST

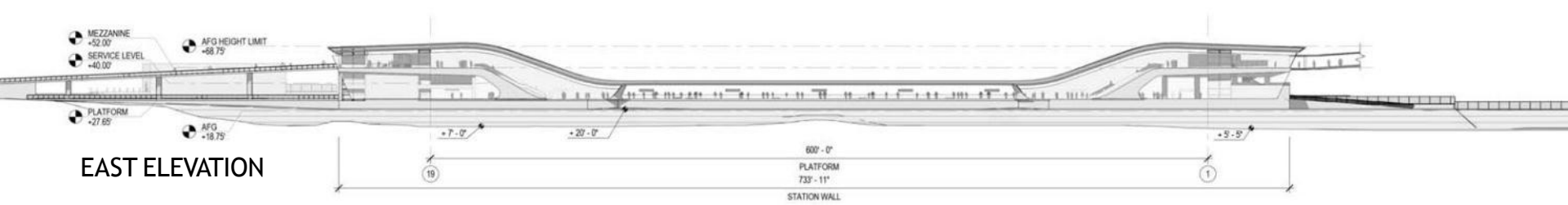
EXISTING VIEW FROM PARKWAY LOOKING NORTHWEST

POTENTIAL VIEW FROM SOUTHBOUND PARKWAY LOOKING SOUTHWEST – 10 YEARS GROWTH OF NEW PLANTS (SUMMER)

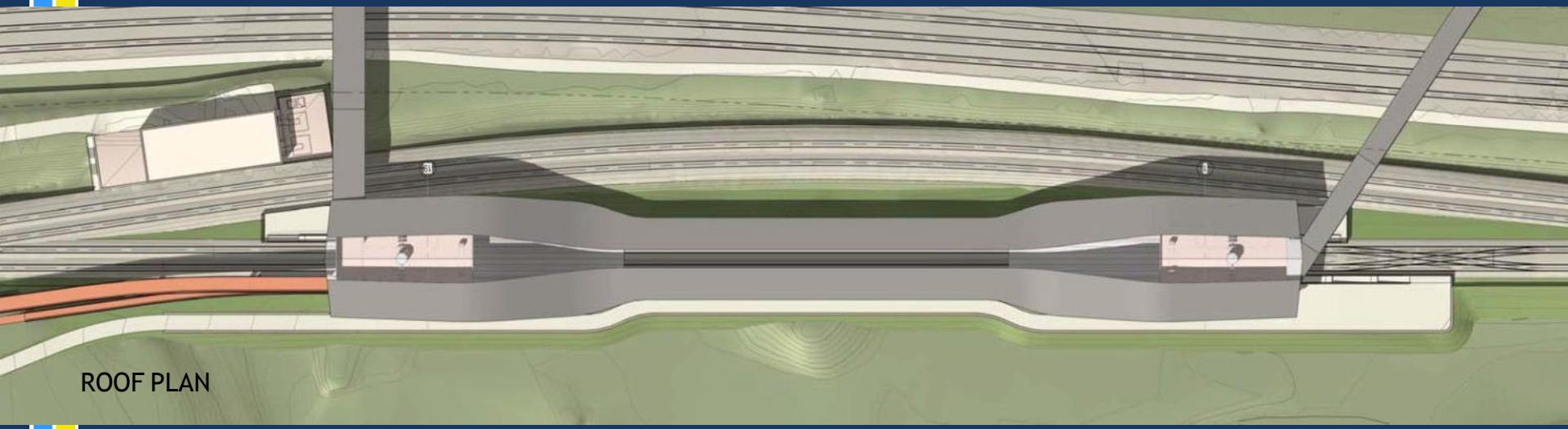
Single Form - Curvilinear

CONCEPTUAL SKETCH





EAST ELEVATION



ROOF PLAN

SINGLE FORM - CURVILINEAR

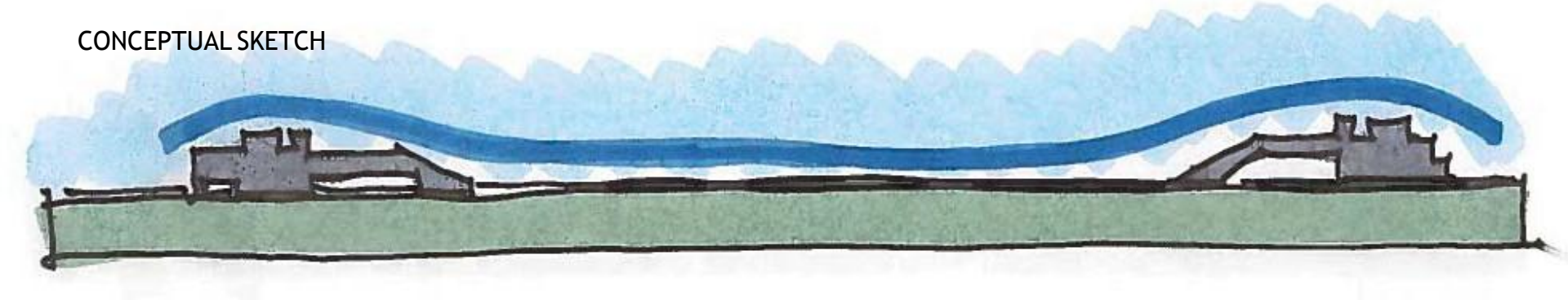
RENDERED VIEW LOOKING NORTHWEST

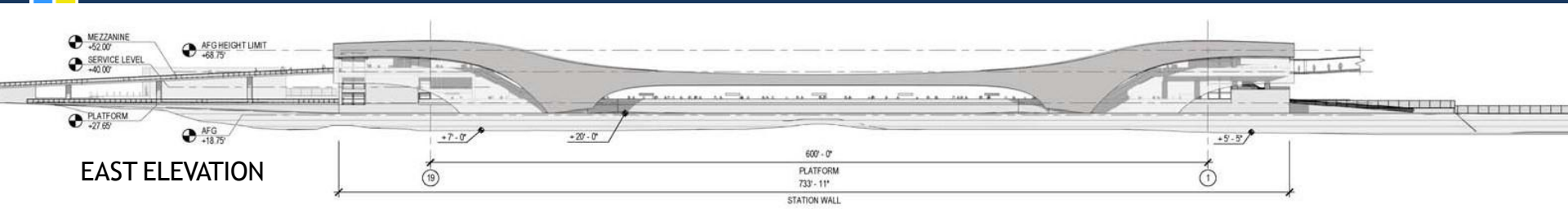
EXISTING VIEW FROM PARKWAY LOOKING NORTHWEST

POTENTIAL VIEW FROM SOUTHBOUND PARKWAY LOOKING SOUTHWEST – 10 YEARS GROWTH OF NEW PLANTS (SUMMER)

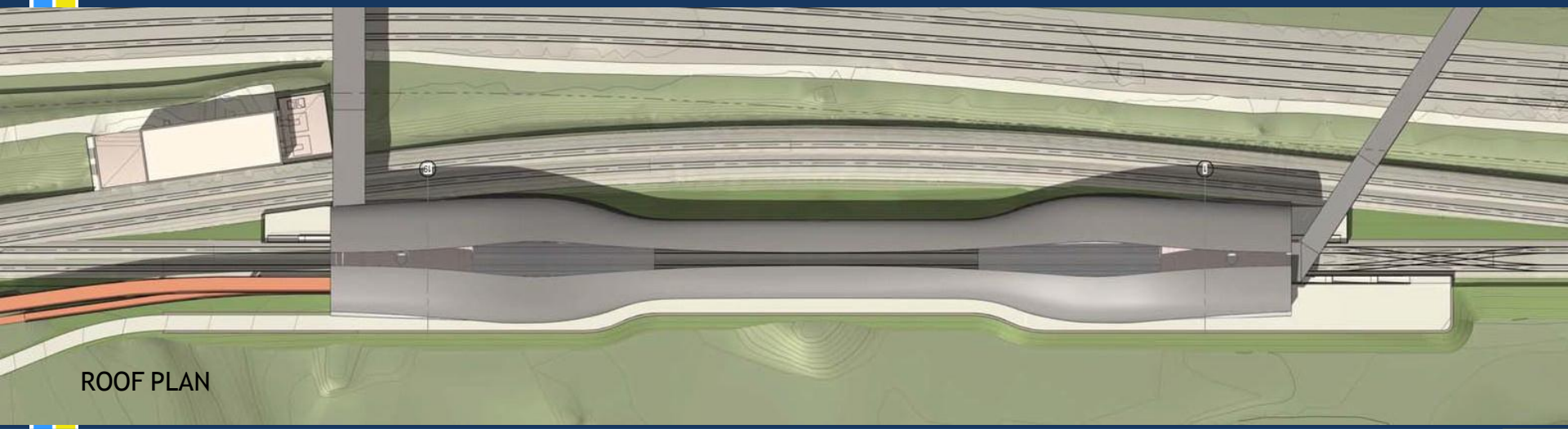
Single Form – Curvilinear (Alternate)

CONCEPTUAL SKETCH





EAST ELEVATION



ROOF PLAN

SINGLE FORM – CURVILINEAR (ALTERNATE)

RENDERED VIEW LOOKING NORTHWEST

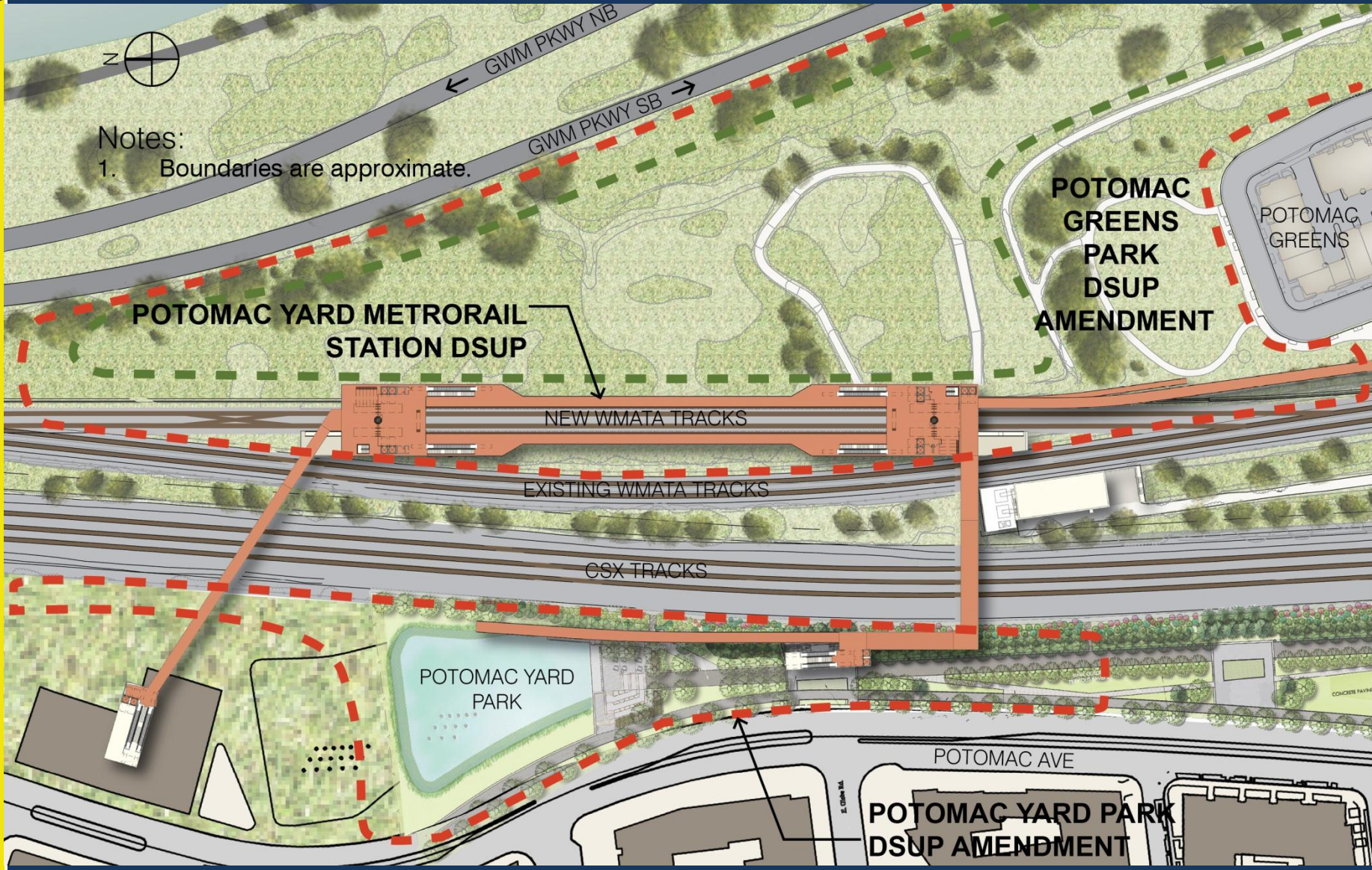
PROPOSED PLANTINGS (TREES, SHRUBS, GRASSES PROVIDED FOR WETLAND RESTORATION AND LANDSCAPE MITIGATION) HAVE BEEN OMITTED IN THEIR ENTIRETY TO SHOW STATION FORM

EXISTING VIEW FROM PARKWAY LOOKING NORTHWEST

POTENTIAL VIEW FROM SOUTHBOUND PARKWAY LOOKING SOUTHWEST – 10 YEARS GROWTH OF NEW PLANTS (SUMMER)

POTOMAC GREENS PARK CONCEPTS

City Approvals



Activity and Programming

Option 1

Option 2

Option 3

Most Passive ⟷ Least Passive

Least Programmed ⟷ Most Programmed

Program Elements & Layout

Option 1

Nature Play + Play Structure
Large, Flexible Open Space

Option 2

Picnic Grove + Tables
Shelter for Picnics
Play Mounds + Play Structure

Option 3

Shelter for Picnics + Performances
Playground for Different Ages
Picnic Table

SMALL GROUP DISCUSSION

GROUP EXERCISE

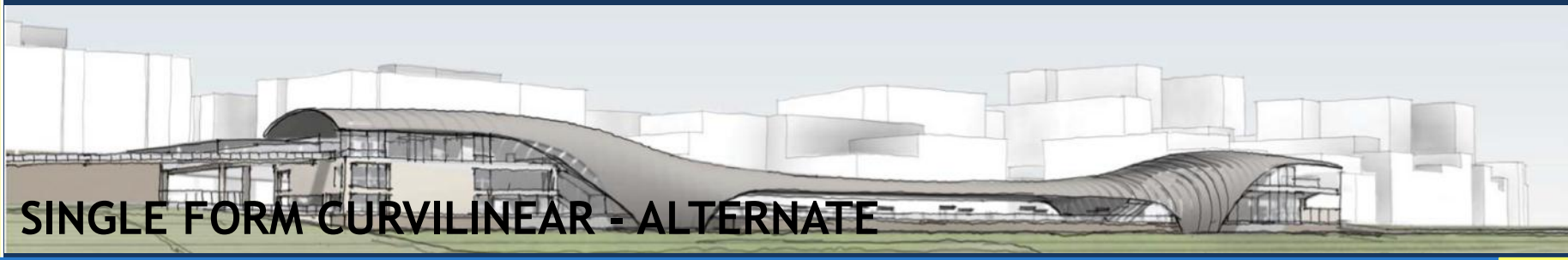
Station Enclosure Forms

PROPOSED PLANTINGS (TREES, SHRUBS, GRASSES PROVIDED FOR WETLAND RESTORATION AND LANDSCAPE MITIGATION) HAVE BEEN OMITTED IN THEIR ENTIRETY TO SHOW STATION FORM

SPLIT FORM GEOMETRIC

SINGLE FORM GEOMETRIC

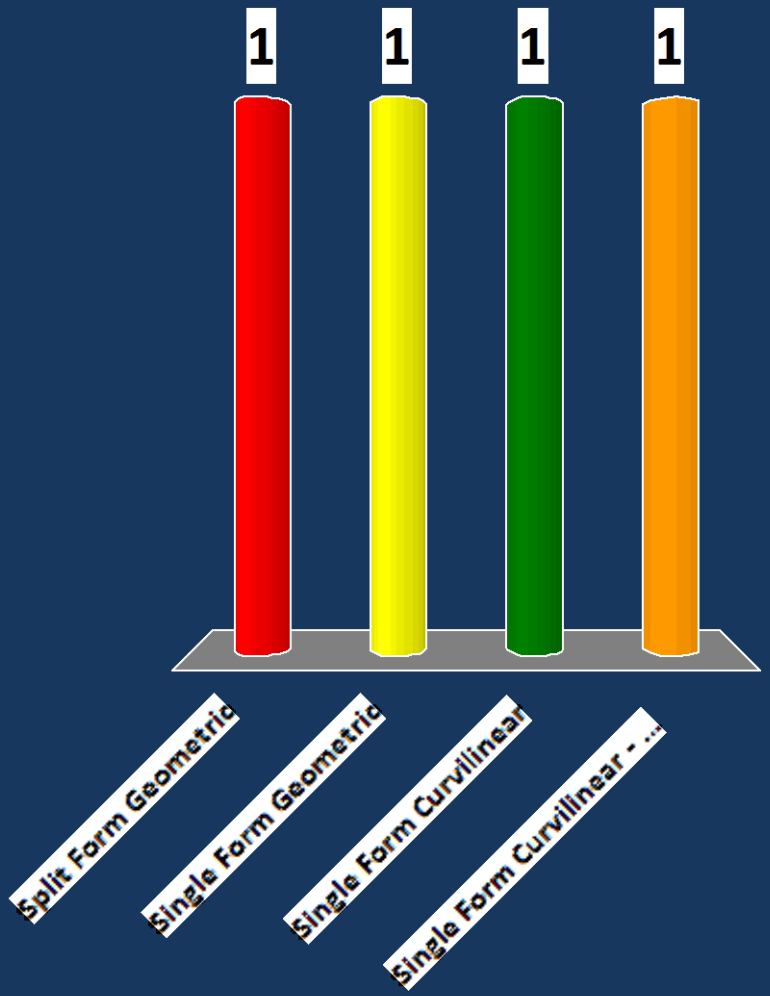
SINGLE FORM CURVILINEAR



SINGLE FORM CURVILINEAR - ALTERNATE

PLEASE RANK THE STATION ENCLOSURE FORMS IN ORDER OF PREFERENCE:

A. Split Form Geometric
B. Single Form Geometric
C. Single Form Curvilinear
D. Single Form Curvilinear - Alternate



Park Concepts

Option 1

Nature Play + Play Structure
Large, Flexible Open Space

Option 2

Picnic Grove + Tables
Shelter for Picnics
Play Mounds + Play Structure

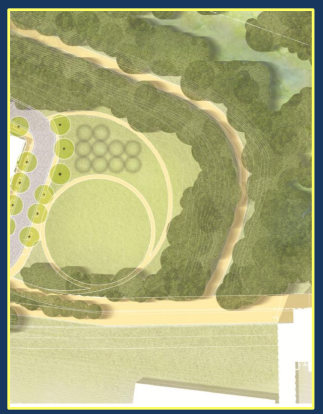
Option 3

Shelter for Picnics + Performances
Playground for Different Ages
Picnic Table

Please rank the park concepts in order of preference

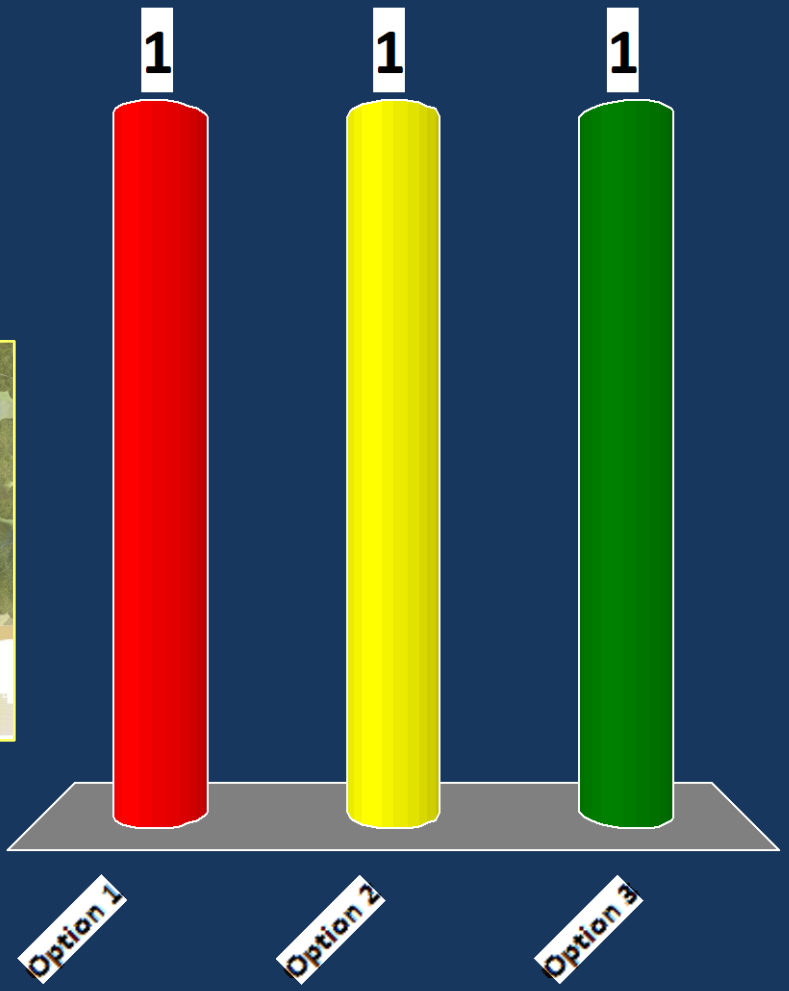
A. Option 1
B. Option 2
C. Option 3

Option 1



Option 2

Option 3



NEXT STEPS

Next Steps

- Develop design concept
- Develop park concept
- Update Boards and Commissions
- Update City Council
- Finalize EIS
- Next PYMIG Meeting: December 14

QUESTIONS?

For more information, visit:
www.alexandriava.gov/PotomacYard