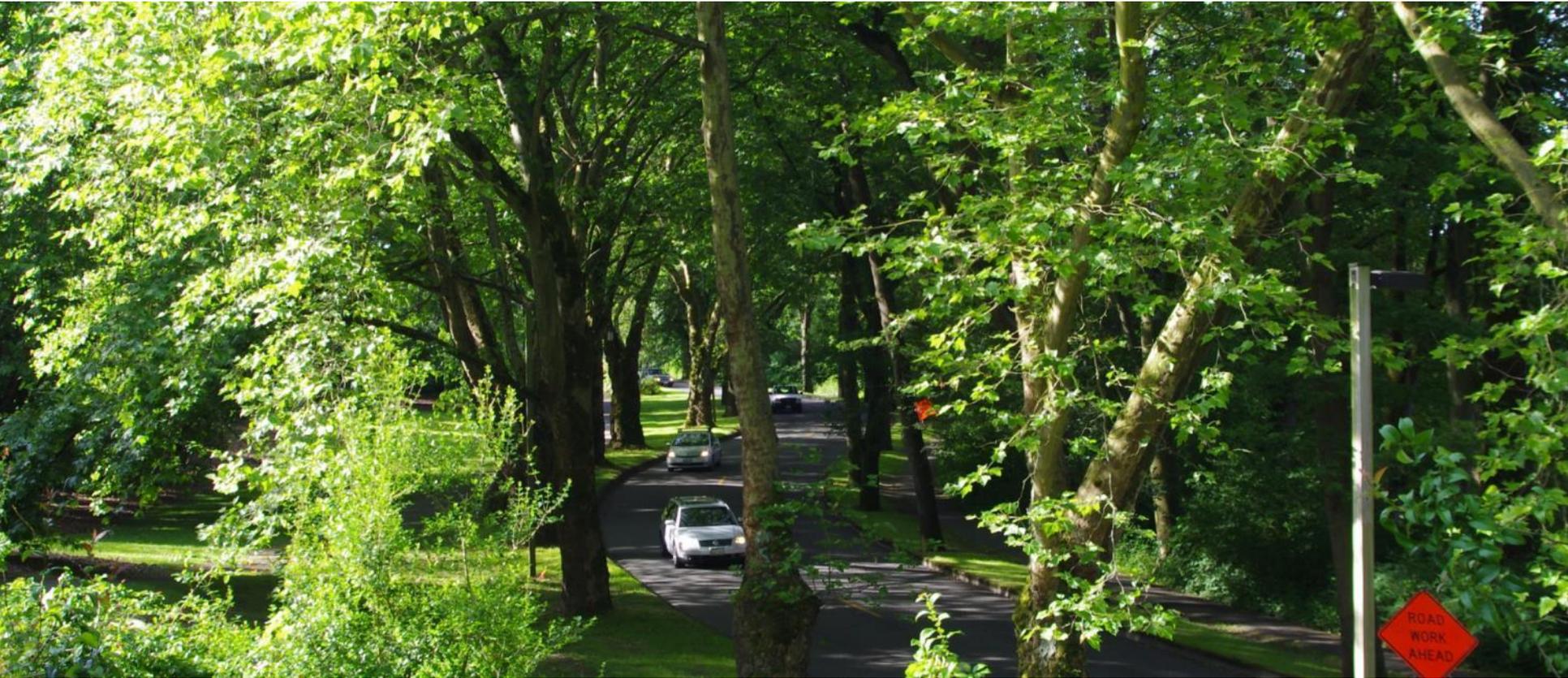


Washington Park Arboretum



Multi-use Trail

February 27, 2014

Public Information Campaign

Meetings	Date	Other Outreach: Websites
Friends of Seattle Olmsted Parks	6/6/2011	Seattle Parks and Recreation Arboretum Multi-Use Trail Project Information
ABGC Project Presentation	6/8/2011	University of Washington Botanic Gardens 520 Updates WSDOT: "SR 520 Bridge Replacement Program Updates"
Public Meeting #1: "Multi-Use Trail"	6/8/2011	WSDOT: "SR 520 Bridge Replacement Project Mitigation Presentation"
Blogs 2014		
Public Meeting #2: "Multi-Use Trail"	8/31/2011	Montlaker Neighborhood Blog: "New Multi-Use Trail Coming to the Arboretum"
Seattle Bicycle Advisory Board	4/4/2012	Montlake Community Club Blog: "Feb 27 Arboretum Multi-Use Trail Approaching Final Design"
Seattle Pedestrian Advisory Board	5/12/2012	Madison Park Blogger: "Arboretum Rehab Plan Revealed"
Seattle Design Commission	5/3/2012	Seattle Bike Blog: "State Will Fund New Arboretum Trail"
Fiends of Seattle Olmsted Parks	1/6/2014	Sustainable City Network: "Arboretum & WSDOT Reach \$7.8 Million Agreement"
Seattle Bicycle Advisory Board	1/8/2014	Seattle Parks and Recreation "Parkways" Blog (1/24)
Madison Community Council	2/3/2014	Seattle Parks and Recreation "Parkways" Blog (2/14)
Seattle Pedestrian Advisory Board	2/12/2014	
News Sources 2014		
		King 5 News: "Arboretum Trades Empty Ramps for New Trails"
Public Meeting #3: "Multi-Use Trail"	2/27/2014	Komo 4 News: "Arboretum Gets \$7.8 Million for New Trail, Improvements"
Montlake Community Council	3/4/2014	Seattle Times: "State to Tear Down Highway 520 'Ramps to Nowhere'"
ABGC Tour of Trail	3/12/2014	Curbed Seattle: "Washington Park Arboretum Getting \$7.8M Facelift"
Seattle Design Commission	3/20/2014	Madison Valley News: "Arboretum Multi-Use Trail Public Meeting"
		Capitol Hill Times: "Arboretum to Undergo Historical Expansion, Remove Bridges to Nowhere"
Press Releases 2014		
Committee and board meetings listed are open to the public		Arboretum and WSDOT Reach Ground Breaking \$7.8 Million Agreement

Site Overview



North Entry

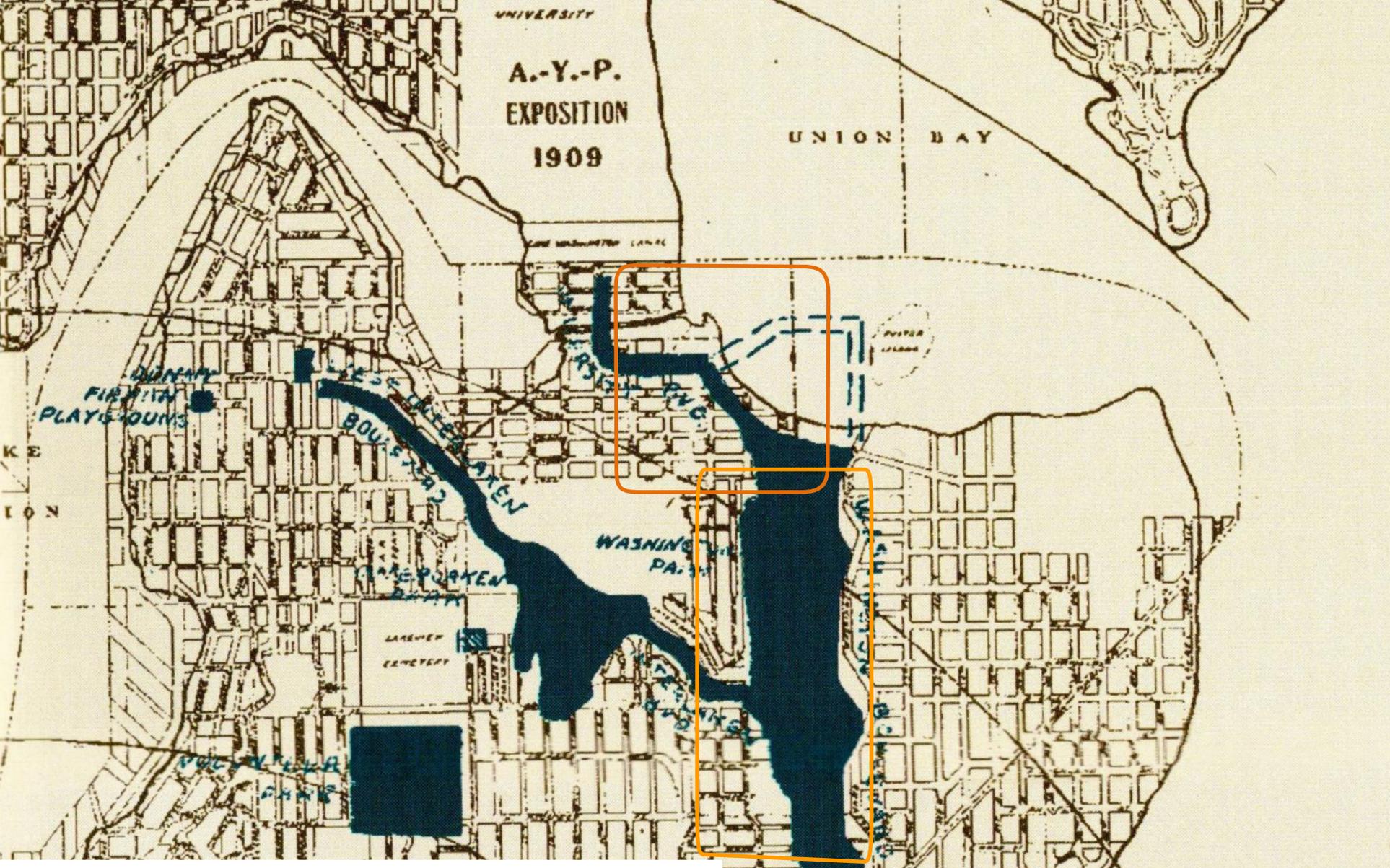
Arboretum Multi-use trail



Arboretum Master Plan Goals

- Increase awareness and visitors
- Enhance natural environment
- Arboretum Drive – safety for all users
- Improve surfacing – accessibility
- Improve appropriate recreational bicycle access through Washington Park Arboretum
- Improve pedestrian entrances
 - Improve connections east and west of Lake Washington Boulevard
 - Increase habitat diversity – Restore the natural function of Arboretum Creek
 - Promote an increase in un-structured recreation building of education, display and conservation
 - Reduce crime and the magnitude of potentially unsafe locations





Olmsted Boulevard System

Bicycle Through-Traffic Alternatives to Multi-Use Trail



Alternatives

- Lake Washington Blvd (Existing Sharrow)
- Lake Washington Loop (Existing Signed Route)
- Arboretum Drive (Existing "Shared street")
- Multi-Use Trail (Future Off Street)

Citywide Network

- | Existing | Recommended | |
|--------------------------------------|--|---------------------------------------|
| — | - - - | Off street |
| — | - - - | Cycle track (protected bicycle lanes) |
| — | - - - | Neighborhood greenway |

Local Connectors

- | Existing | Recommended | |
|---------------------------------------|---|---------------------------------------|
| — | - - - | Off street |
| — | - - - | Cycle track (protected bicycle lanes) |
| — | - - - | In street, minor separation |
| — | - - - | Neighborhood greenway |
| — | - - - | Shared street |

Pedestrian Master Plan Goals

- **Safety** – Reduce the number and severity of crashes involving pedestrians
- **Vibrancy** – Develop a pedestrian environment that sustains healthy communities and supports a vibrant economy
- **Equity** – Make Seattle a more walkable city for all through equity in public engagement, service delivery, accessibility, and capital investments
- **Health** – Raise awareness of the important role of walking in promoting health and preventing disease

Circulation Hierarchy

CIRCULATION HIERARCHY	ROUTE NAME	USER	Traffic Control and Messaging	Character/ Context
THROUGH or DIRECT ROUTES Citywide Network*	Signed Bicycle/Bypass Route (Central Area Greenway TBD)		Signed 25 mph, no centerline	Local street-wide, flat, straight
SCENIC LOOPS Local Connectors*	Lake Washington Boulevard		Signed 25 mph, speed humps, traffic control	Collector arterial roadway - wide, flat, with gentle curves
	Arboretum Drive		Closed to through traffic	Access roadway - narrower, rolling terrain, gentle curves
	Multi-Use Trail		Accessible paved path	Loop Trail - rolling terrain, curvy alignment, connected but not direct
	Azalea Way		None	Pastoral path - narrow, indirect, circuitous
	Soft-surface path		None	Pastoral path - very narrow, indirect, circuitous

*Reflects 2013 Bicycle Master Plan Designations

Reducing User Conflicts

Principles

Right route for the ride –

Understanding audience and ride purpose

- Good design invites right use
- Use defines behavior
- Signed by-pass route
- Lake Washington Boulevard
- Arboretum Drive East

Good Design Invites Right Use

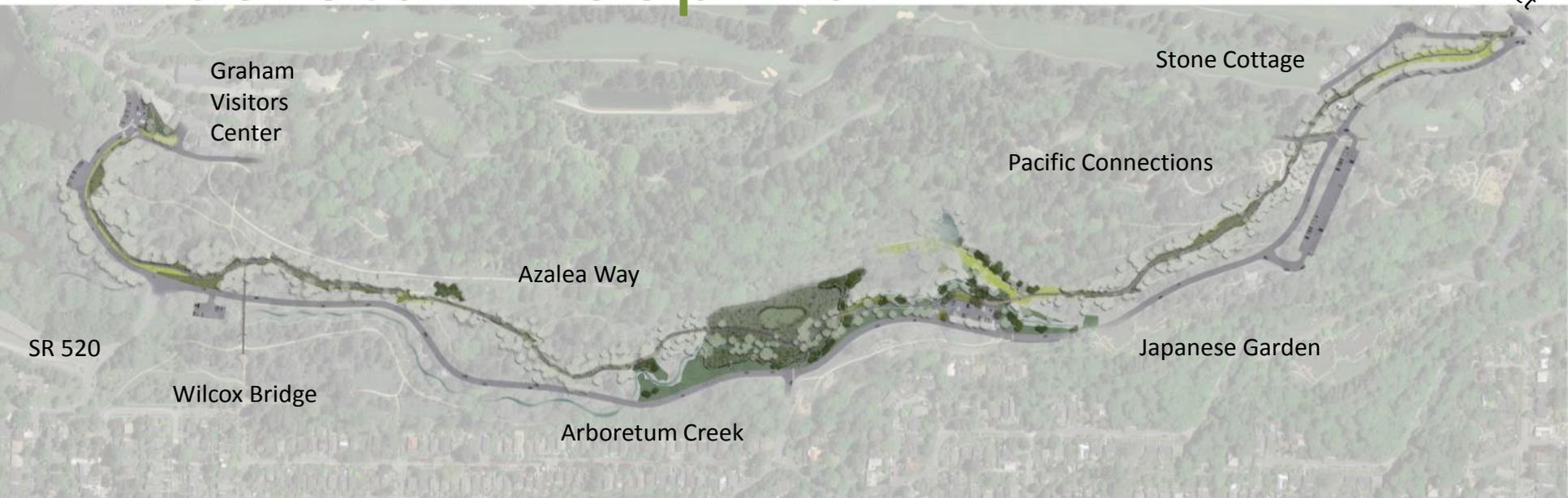
Wayfinding, warning and Regulatory signing

- Curving alignment
- Sense of enclosure with vegetation
- Bridges and narrowed trail sections
- Rolling terrain



Arboretum Loop Trail

E. Madison Street



Graham
Visitors
Center

Stone Cottage

Pacific Connections

Azalea Way

SR 520

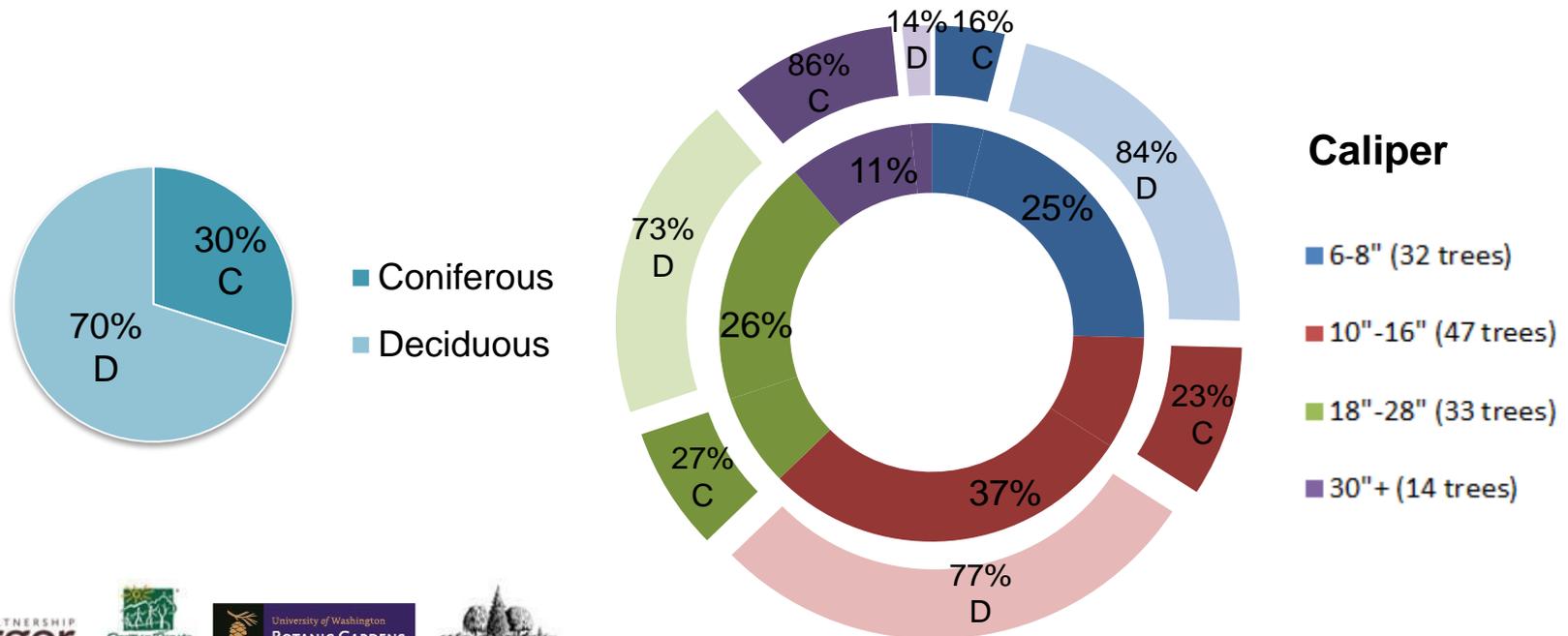
Wilcox Bridge

Japanese Garden

Arboretum Creek

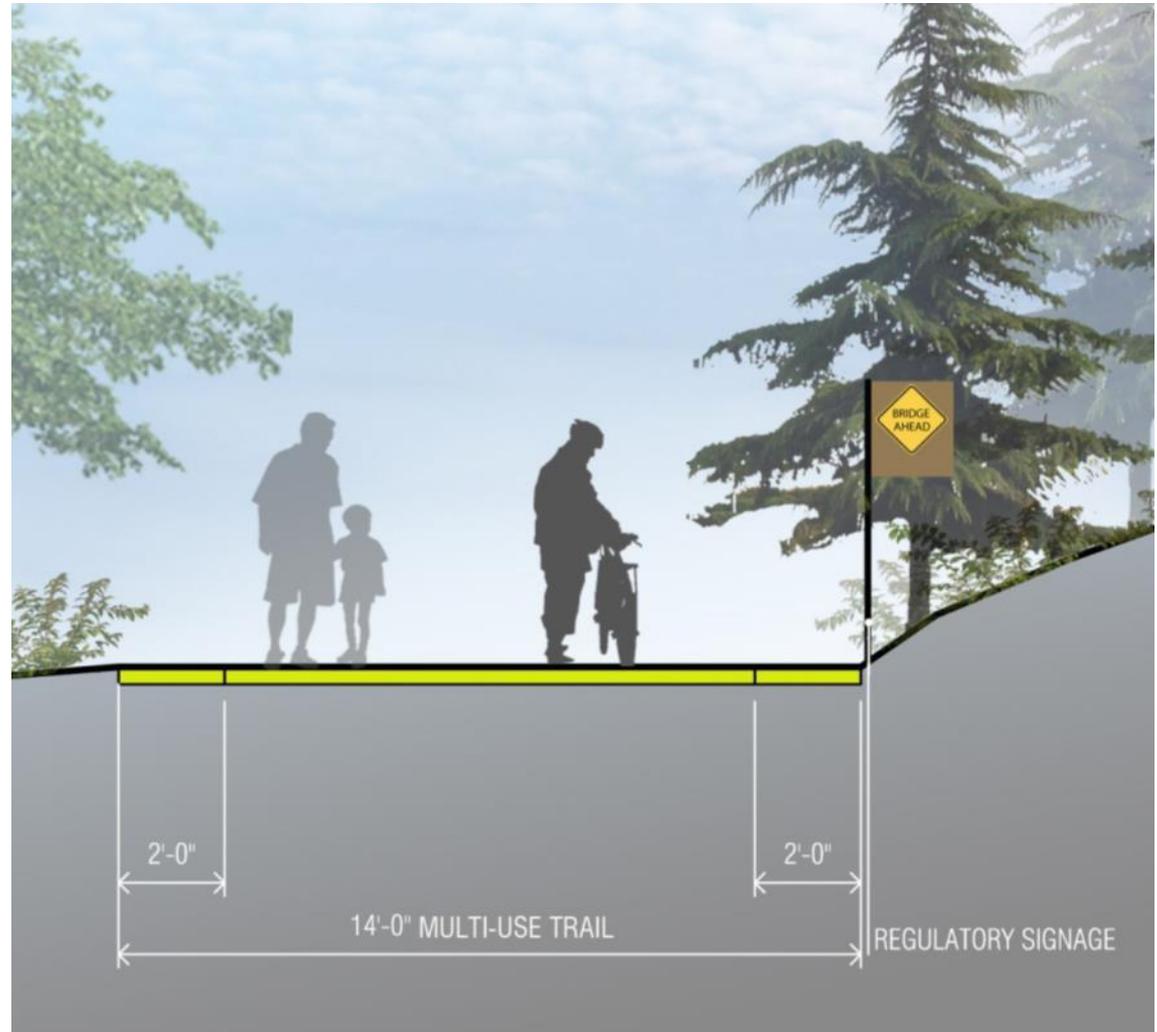
Tree Replacement

- Trail alignment adjusted to avoid many major trees
- 127 trees to be removed (all will be recycled on-site)
- 254 replacement trees to be planted in Arboretum
- Additional tree planting/restoration in southwest greenbelt



Typical Trail Cross Section

- Trail pavement – Asphalt.
- Shoulder – Crushed rock.
- Trail Restoration – Native plantings.



GRAHAM VISITOR'S CENTER



LEGEND:





RE-CONFIGURED INTERSECTION WITH CROSSWALKS AND 3-WAY STOP

COLLECTION PLANTINGS

NEW STAIR AND ADA RAMP TO GRAHAM VISITOR'S CENTER

GRAHAM VISITOR'S CENTER

FOSTER ISLAND DRIVE

EXISTING STREET LAMP TO REMAIN, TYP.
MULTI-USE TRAIL

SECTION A

WILCOX BRIDGE

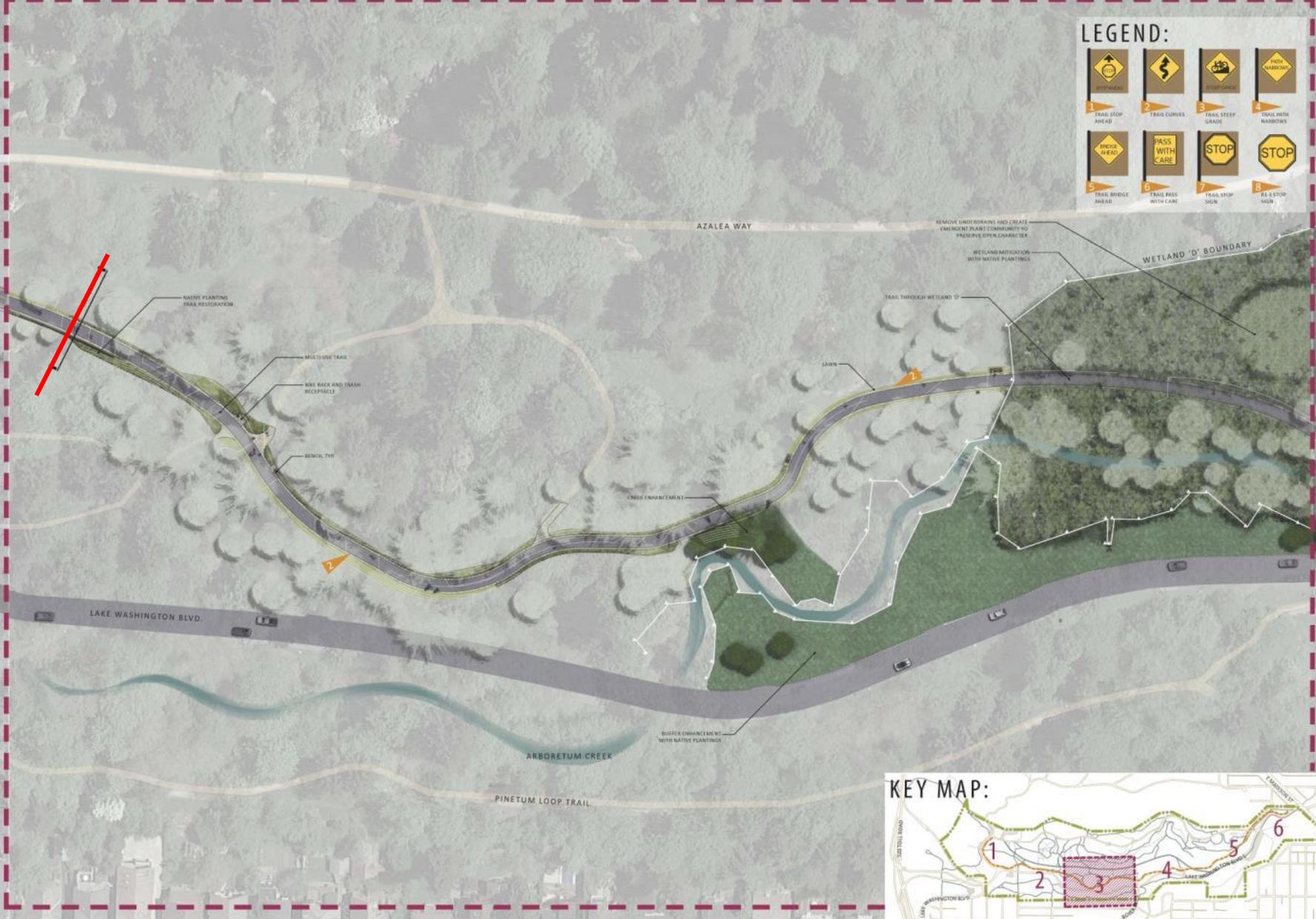




THE KNOLLS

LEGEND:

- | | | | |
|---|---|---|---|
|  |  |  |  |
| 1 TRAIL STOP AHEAD | 2 TRAIL CURVES | 3 TRAIL STEEP GRADE | 4 TRAIL NARROW |
|  |  |  |  |
| 5 TRAIL BRIDGE AHEAD | 6 TRAIL PASS WITH CARE | 7 TRAIL STOP SIGN | 8 TRAIL STOP SIGN |





Restore Native Matrix







LEGEND:

			
1	2	3	4
TRAIL STOP AHEAD	TRAIL CURVES	TRAIL STEEP GRADE	TRAIL PATH NARROWS
			
5	6	7	8
TRAIL BRIDGE AHEAD	TRAIL PASS WITH CARE	TRAIL STOP SIGN	R1-1 STOP SIGN



GRANITE STONE STEPS TO SEATING AREA

RE-CONFIGURED AZALEA WAY POND

EARTHEN STONE BRIDGE AND WEIR FEATURE

RE-CONFIGURED LAWN AND DRAINAGE IMPROVEMENTS

STONE SEATWALL

'C' BOUNDARY

SECTION D

SECTION E

COLLECTION PLANTINGS

CREEK DAYLIGHTING

HAWTHORN BRIDGE

TRASH RECEPTACLE, TYP.

SECTION F

WETLAND 'B' BOUNDARY

ARBORETUM CREEK

LAKE WASHINGTON BLVD.

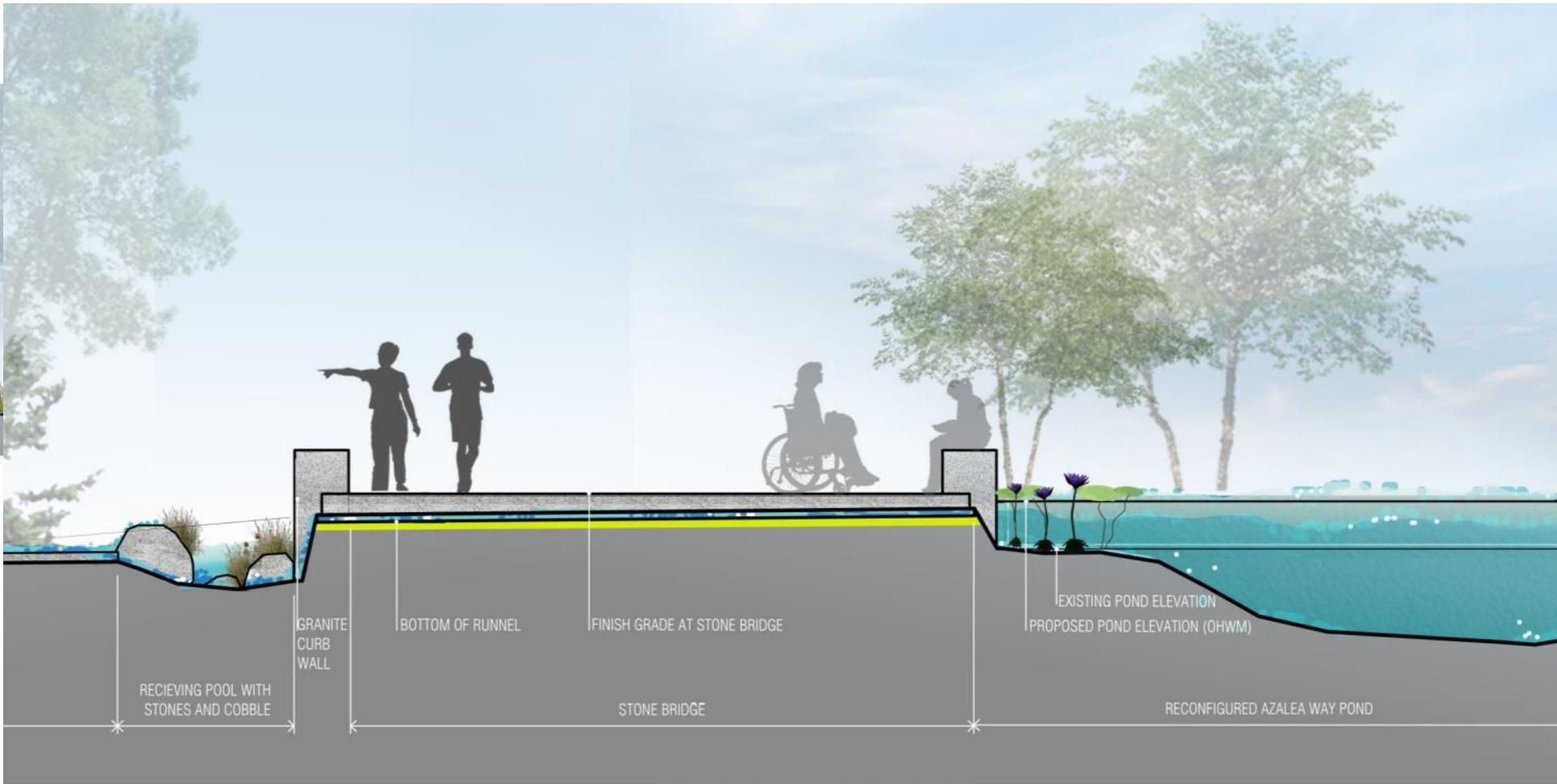
MULTI-USE TRAIL

RAINGARDEN PLANTING, TYP.

PAVED PARKING LOT WITH 39 STALLS AND REVISED ENTRY AND EXIT

BIKE RACK

M LOOP TRAIL



PACIFIC CONNECTIONS



LEGEND:

1 TRAIL STOP AHEAD	2 TRAIL CURVES	3 TRAIL STEEP SLOPE	4 TRAIL PATH NARROWING
5 TRAIL BRIDGE AHEAD	6 TRAIL PASS WITH CARE	7 TRAIL STOP SIGN	8 20' STOP SIGN

NATIVE PLANTING TRAIL RESTORATION

CONCRETE WALL WITH GUARD RAILING

BENCH TOP

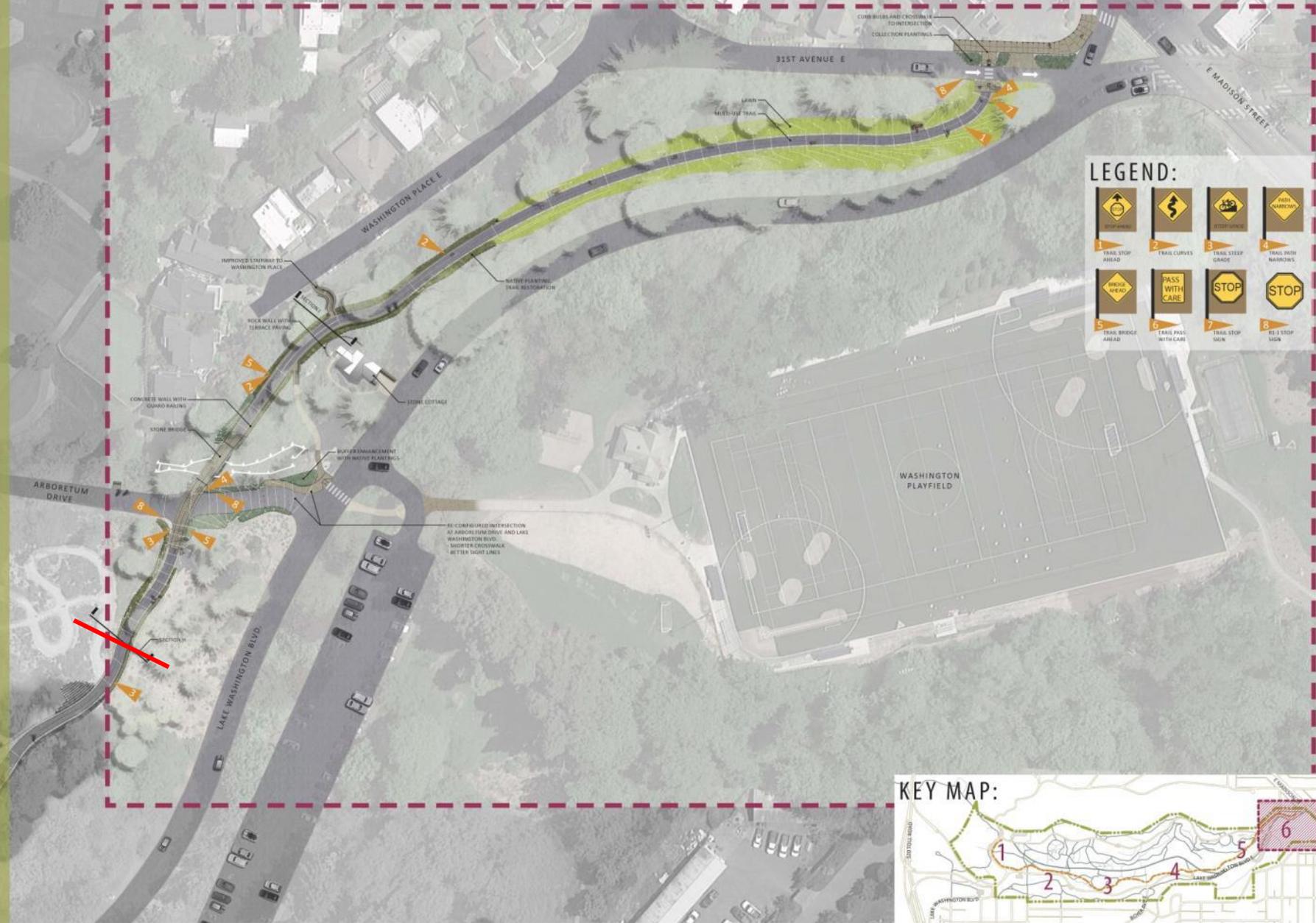
MULTI-USE TRAIL

BUFFER ENHANCEMENT WITH NATIVE PLANTINGS



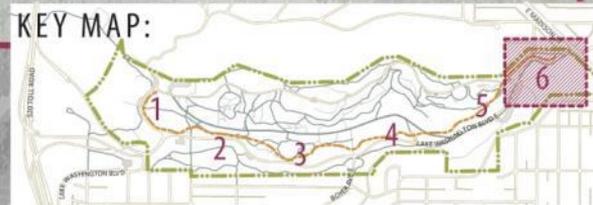


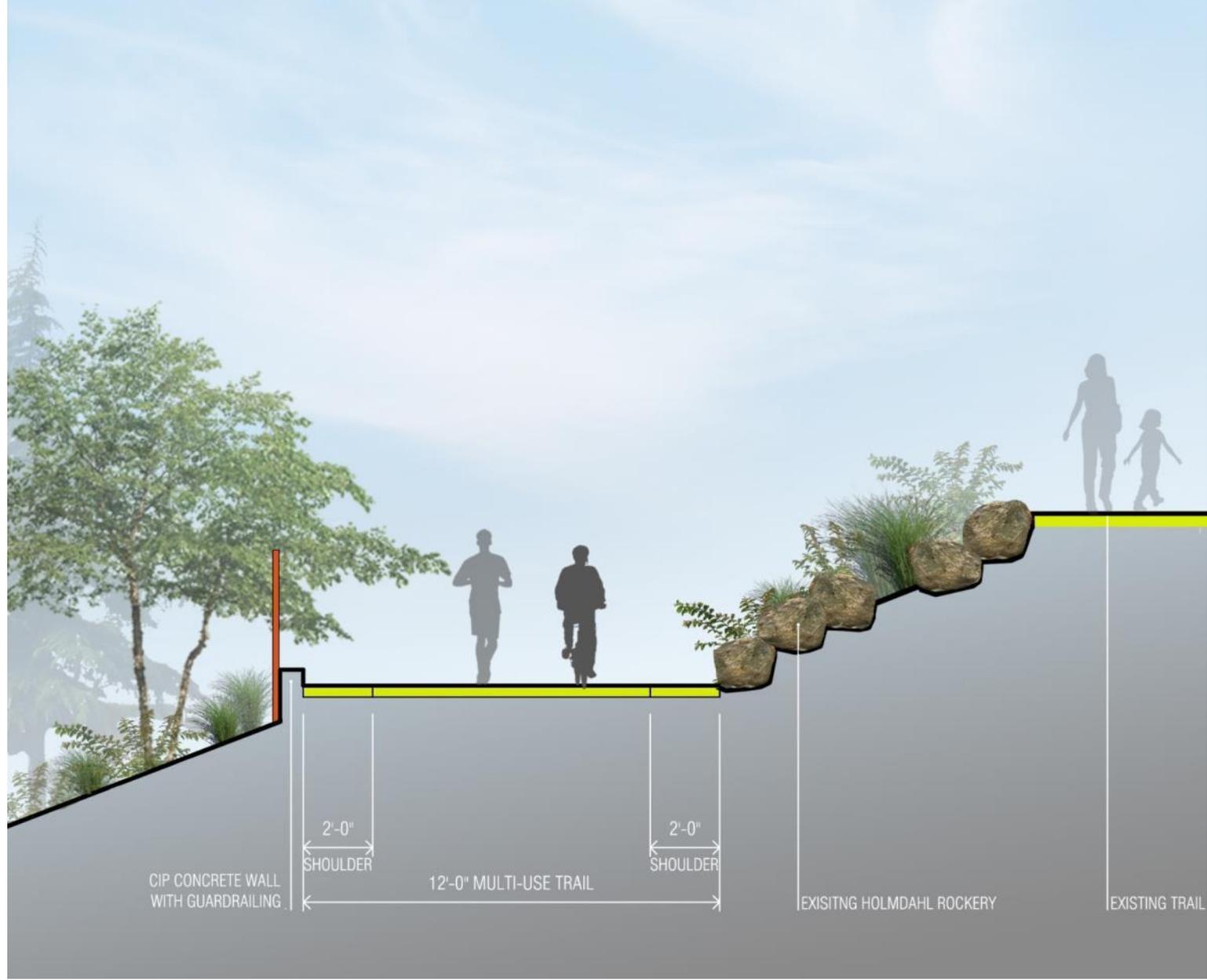
STONE COTTAGE ENTRY

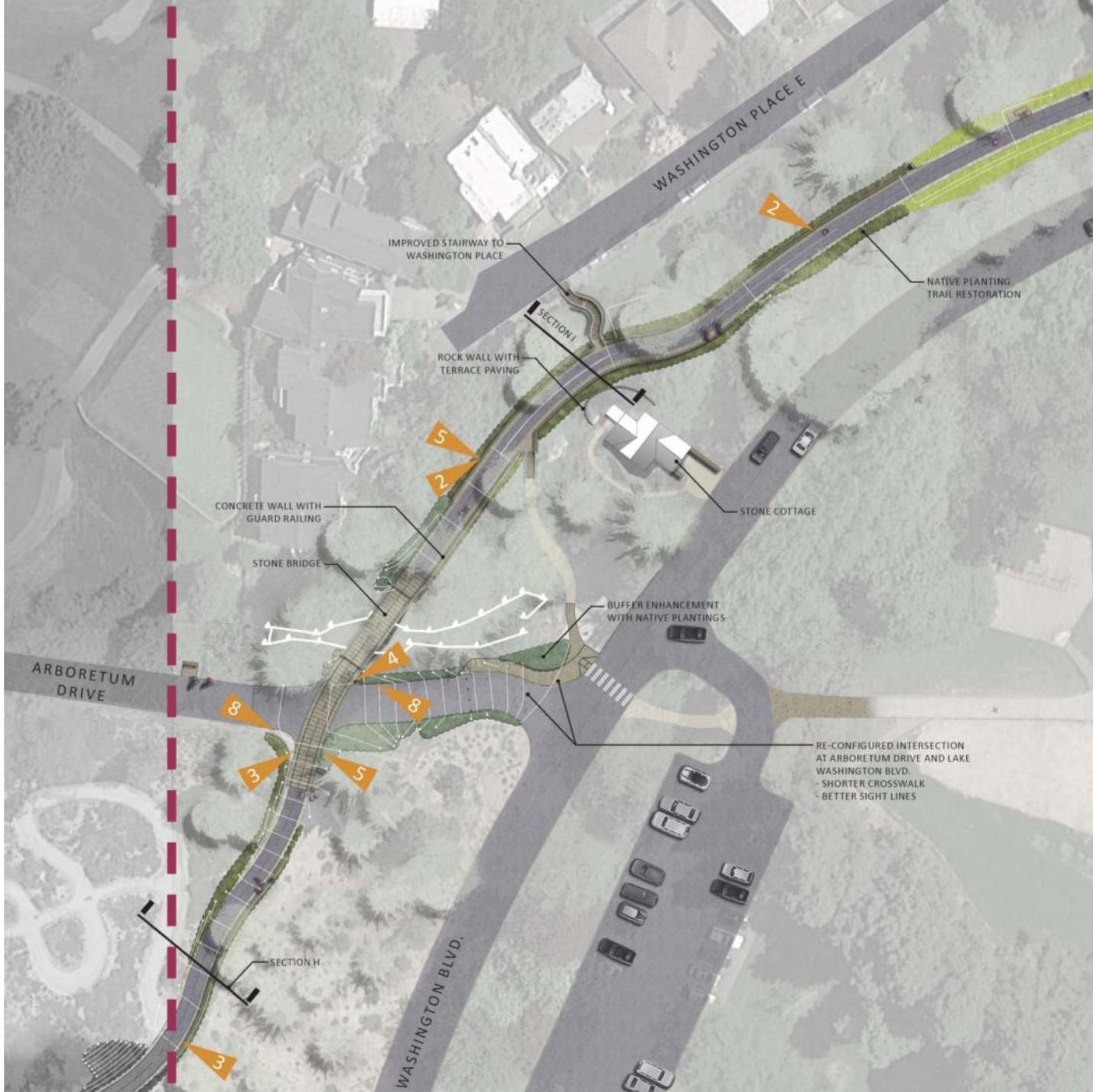


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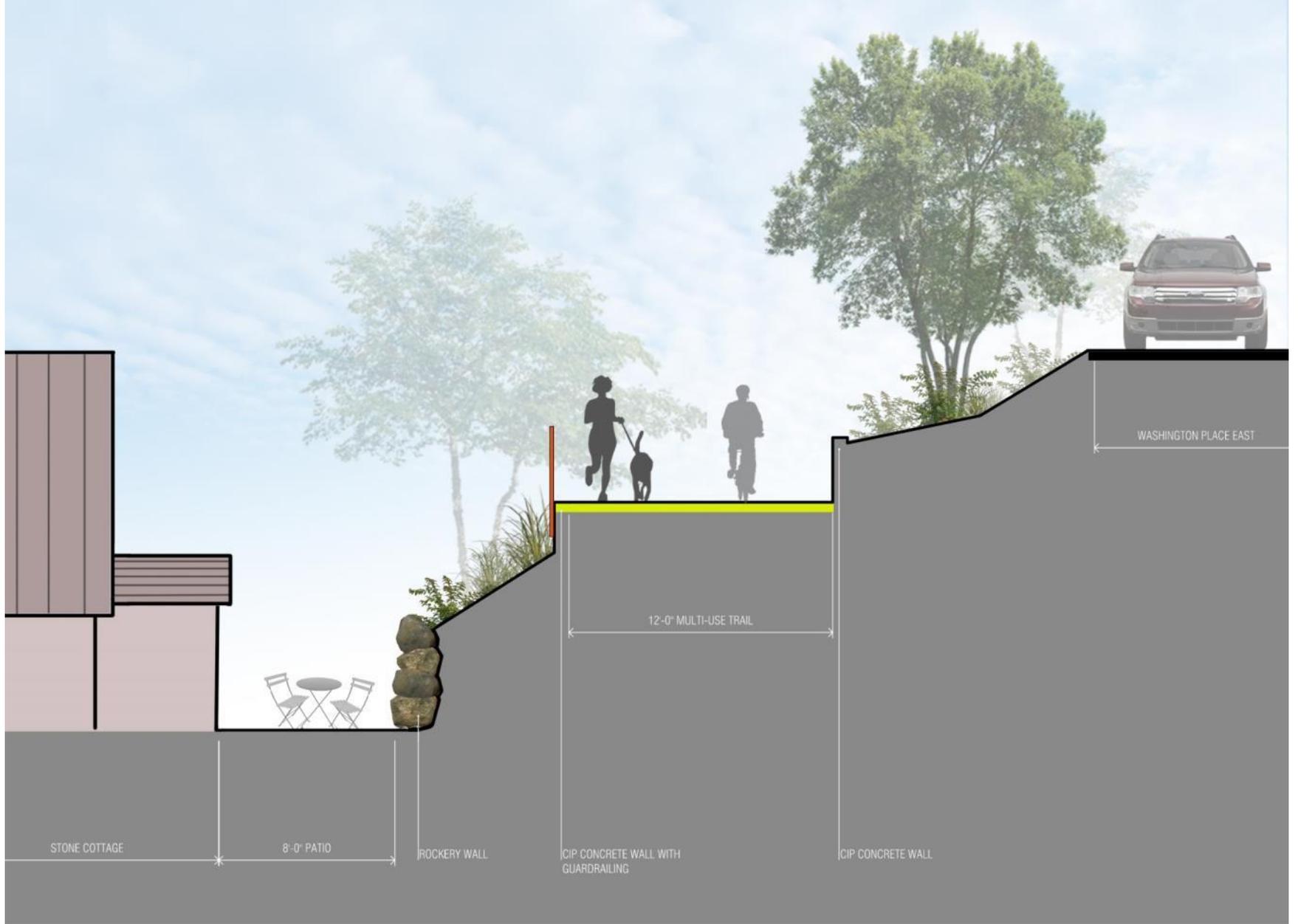
1 TRAIL STOP AHEAD	2 TRAIL CURVES	3 TRAIL STEEP GRADE	4 TRAIL PASS NARROWS
5 TRAIL BRIDGE AHEAD	6 TRAIL PASS WITH CARE	7 TRAIL STOP SIGN	8 RE-S STOP SIGN



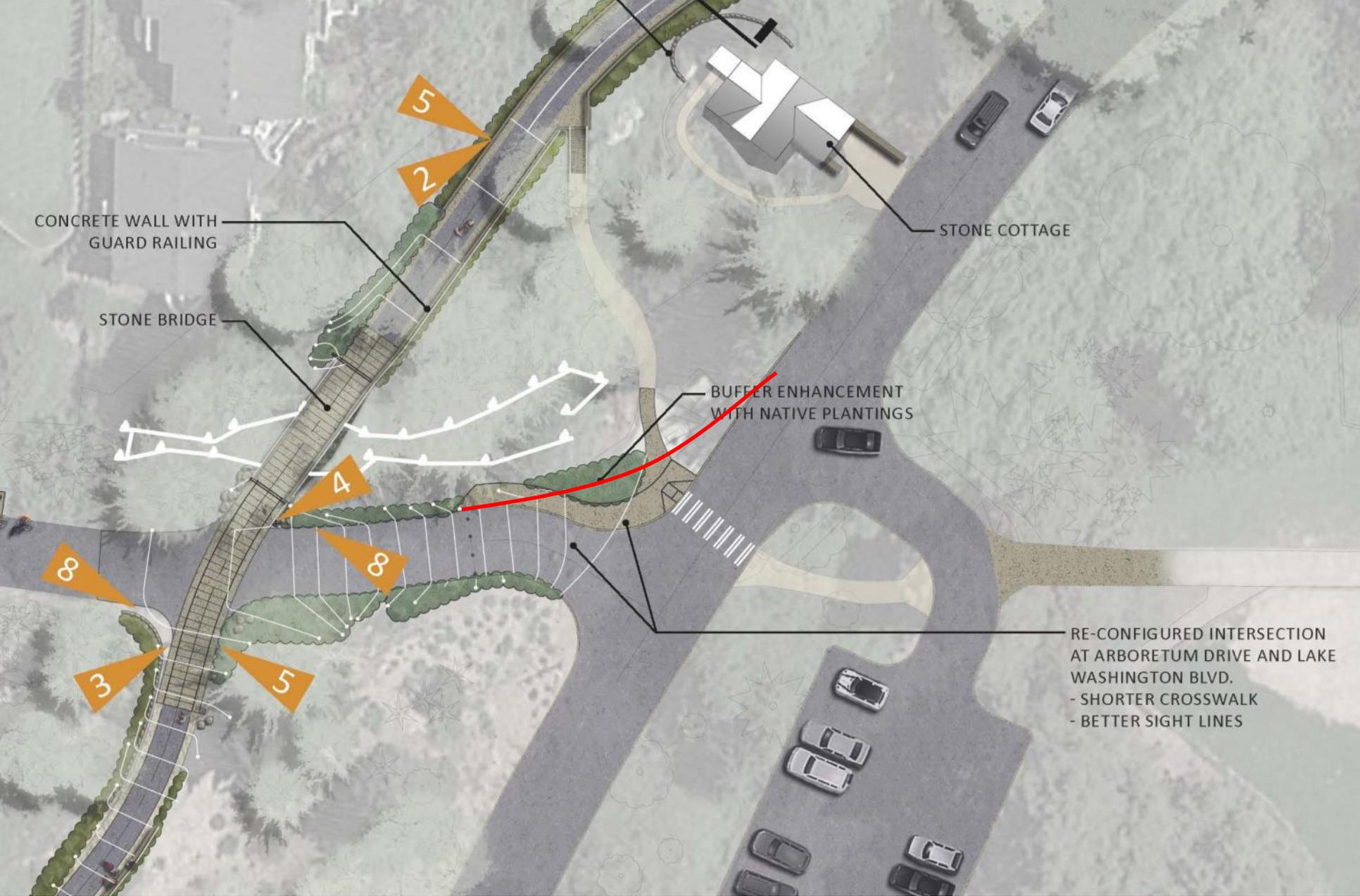












CONCRETE WALL WITH
GUARD RAILING

STONE BRIDGE

STONE COTTAGE

BUFFER ENHANCEMENT
WITH NATIVE PLANTINGS

RE-CONFIGURED INTERSECTION
AT ARBORETUM DRIVE AND LAKE
WASHINGTON BLVD.
- SHORTER CROSSWALK
- BETTER SIGHT LINES

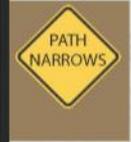
31st Ave E. & E. Madison St.



31st Ave E. & E. Madison St.



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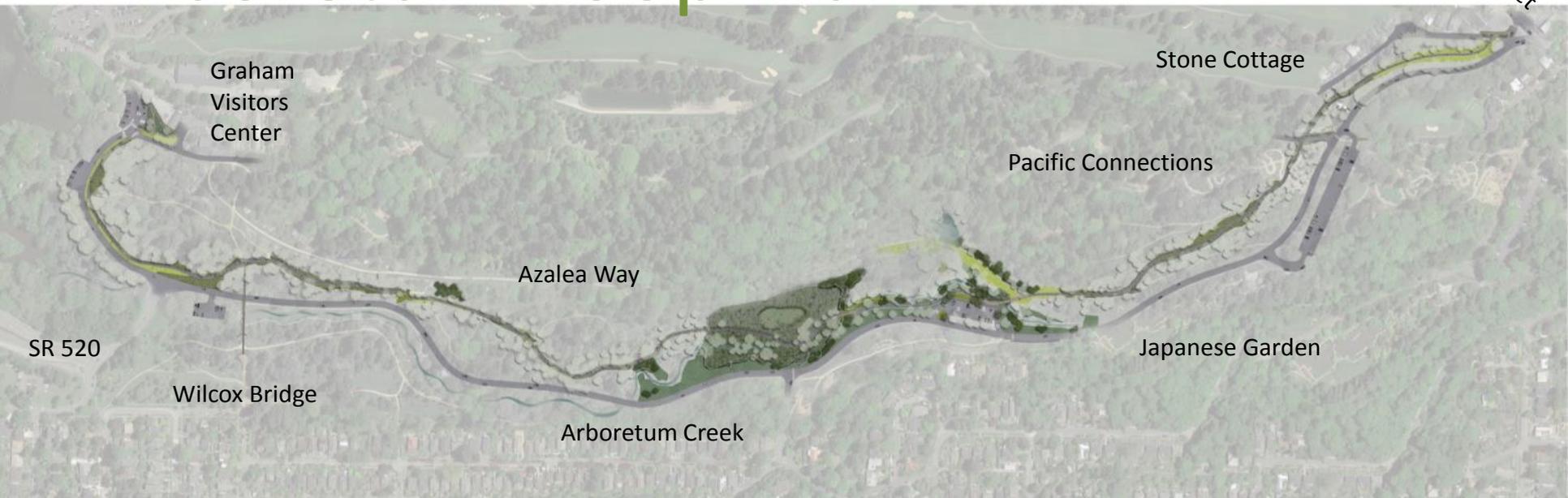
- | | | | |
|---|---|---|---|
|  |  |  |  |
| 1
TRAIL STOP AHEAD | 2
TRAIL CURVES | 3
TRAIL STEEP GRADE | 4
TRAIL PATH NARROWS |
|  |  |  |  |
| 5
TRAIL BRIDGE AHEAD | 6
TRAIL PASS WITH CARE | 7
TRAIL STOP SIGN | 8
R1-1 STOP SIGN |

31st Ave E. & E. Madison St.



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