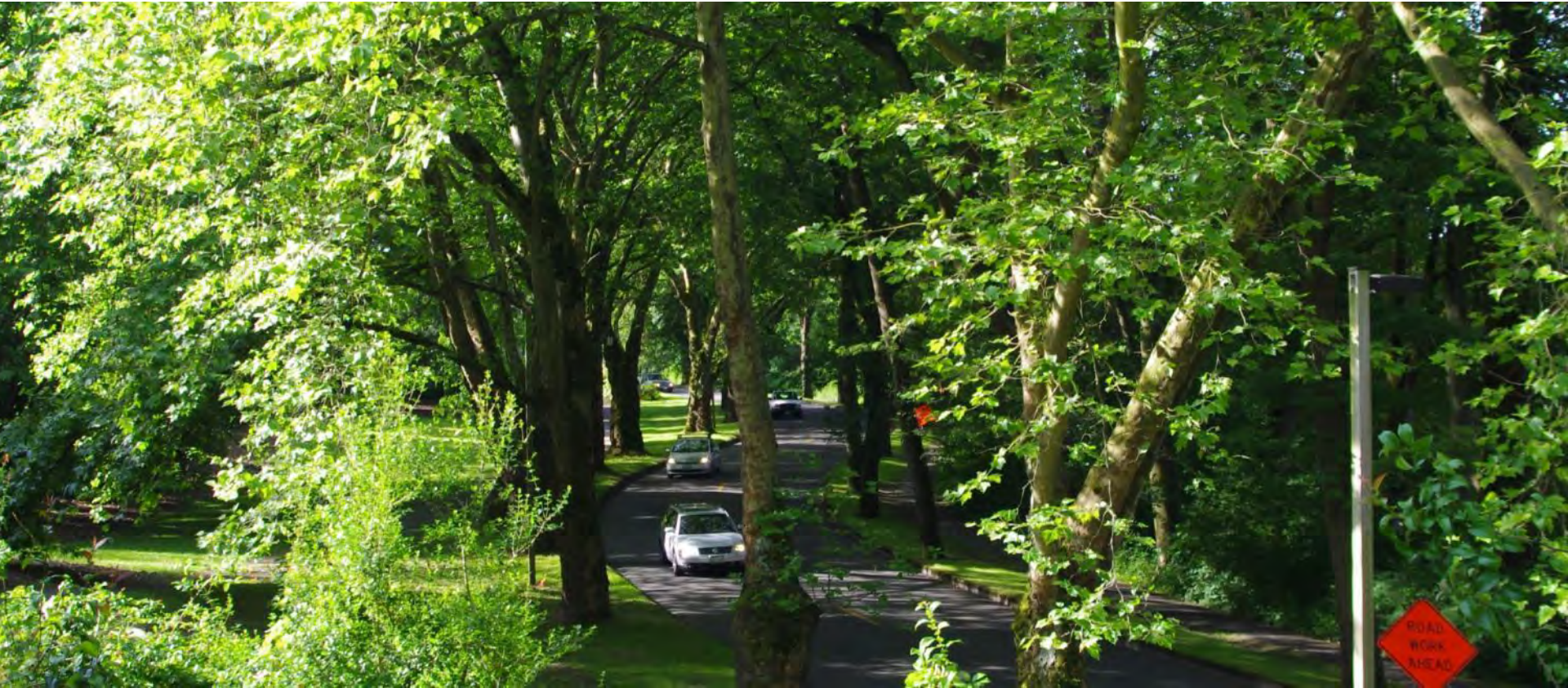


Washington Park Arboretum



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

Public Meeting Input

Public Comments	Planning & Design Response
"Will you use pervious/rough material for the trail as a natural traffic calming device to passively slow speeds?"	The Multi-Use Trail surface will be a special mix of coarse asphalt for traffic calming and traction.
"I am very concerned about bike commuters on the trail." "Bike/pedestrian conflict will ensue and pedestrians won't use it."	Toole Design Group, specializing in bicycle/pedestrian planning and design, was hired as part of the design team to analyze the corridor and recommend traffic calming measures.
"Why are we not using Arboretum Drive for biking?"	A connection to Arboretum Drive is included as part of a counter-clockwise loop through the Arboretum providing better access to a diversity of users and to new areas.
"Multi-use trails can be very dangerous for pedestrians because of speeding bicycles."	We interviewed members of local bicycle clubs and bicycle commuters who articulated their preferred route will remain Lk Washington Blvd or the Lk Washington Loop through Montlake.
"Can you design better access to neighborhood." "Is it possible to connect Wilcox Bridge to bring neighborhood in?"	Neighborhood connections to the Multi-Use Trail will be provided and enhanced at five major access points.

Site Overview

North Entry

Arboretum Loop trail



Renewing Washington Park Arboretum Master Plan – December 2000

Multi-use Trail

-A safer route for recreational bike users



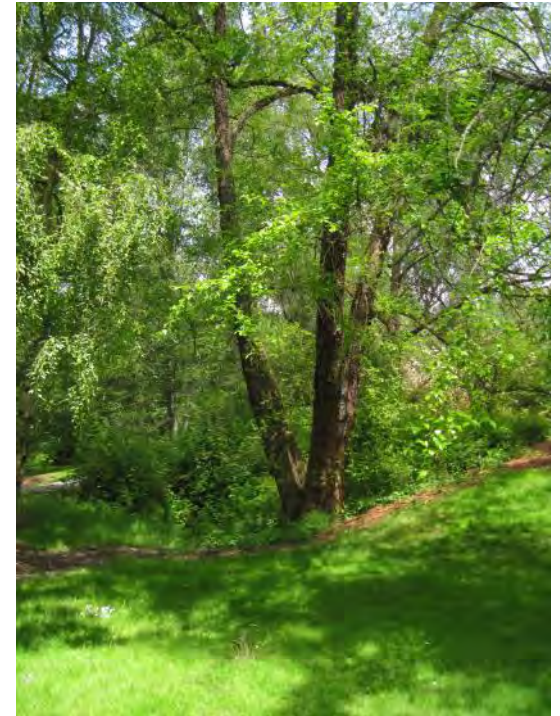
Arboretum Master Plan Goals

- 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



Arboretum Master Plan Goals

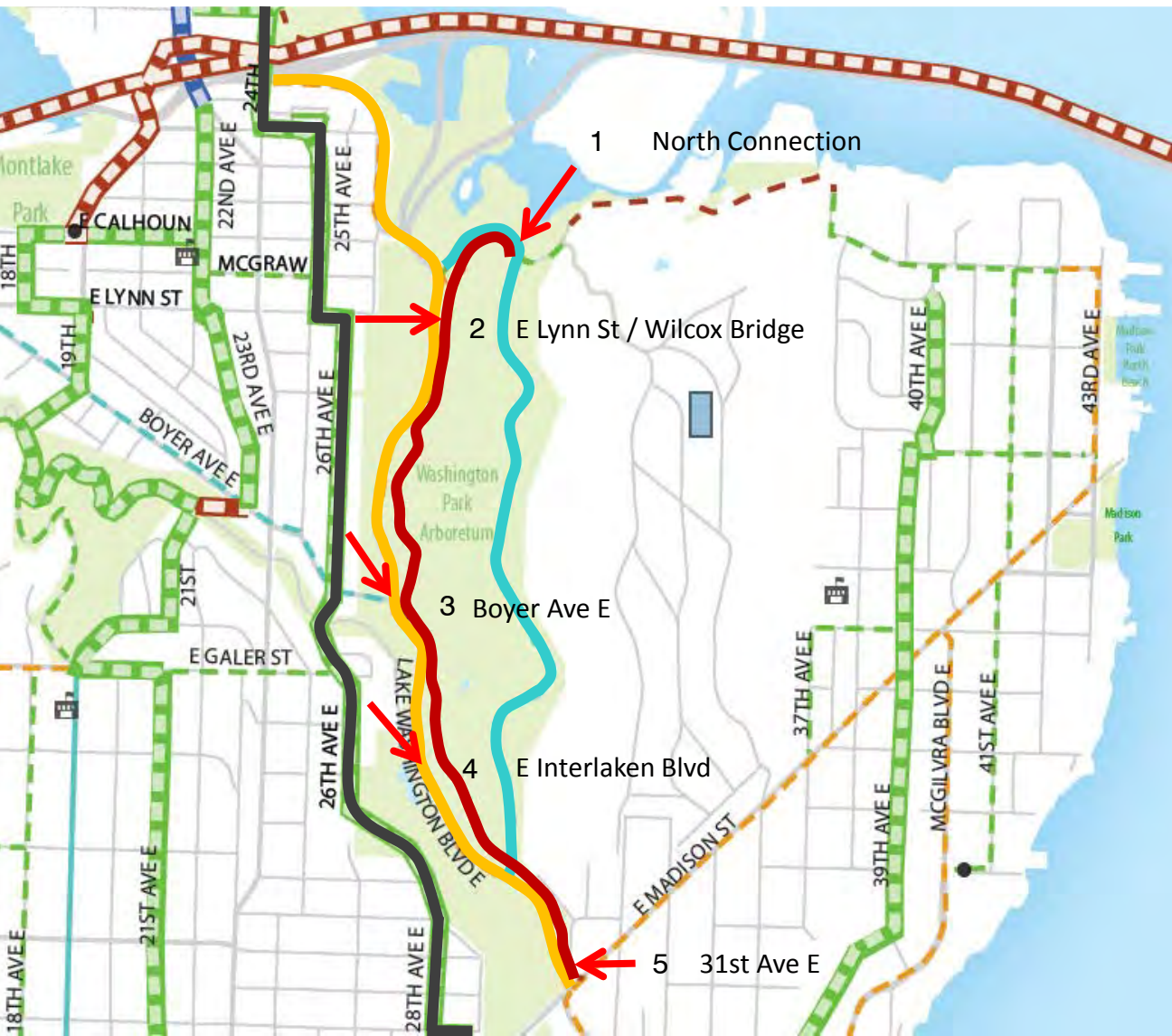
- Improve connections east and west of Lake Washington Boulevard
- Increase habitat diversity – Restore the natural function of Arboretum Creek
- Promote an increase in un-structured recreation building of education, display and conservation
- Reduce crime and the magnitude of potentially unsafe locations





8

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 |

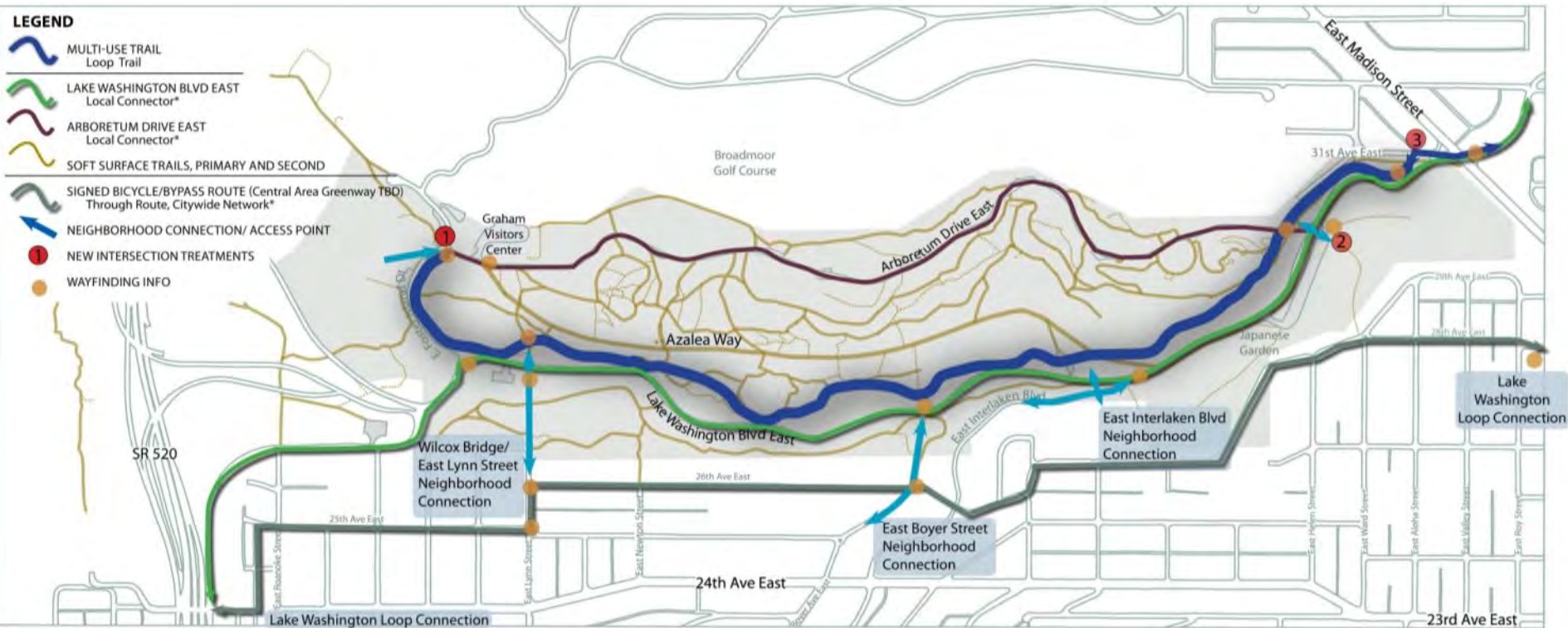
Local Connectors

- | 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



* Reflects 2013 Bicycle Master Plan Connections

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



Reducing User Conflicts

Right Route for the Ride – Understanding Audience and Ride Purpose

- Signed by-pass route
- Lake Washington Boulevard
- Arboretum Drive East



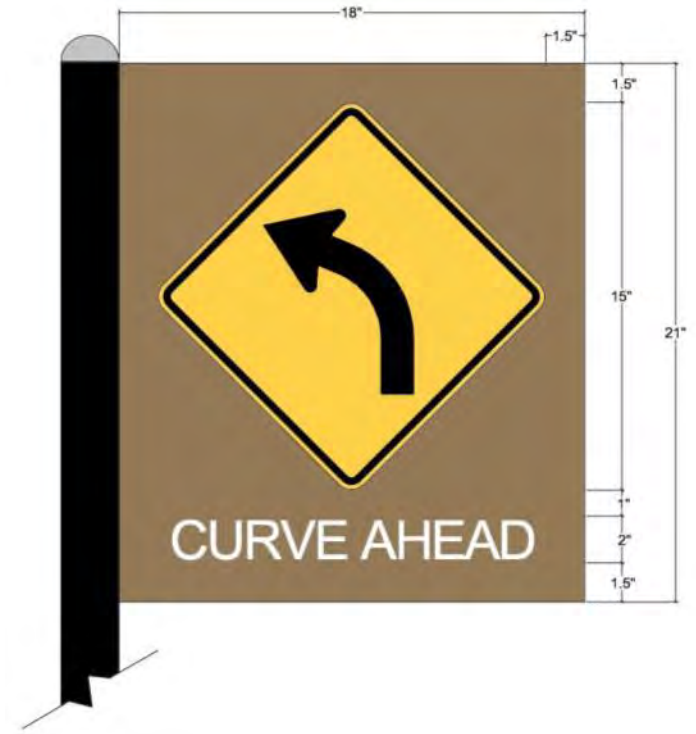
Reducing User Conflicts

Good Design Invites Right Use

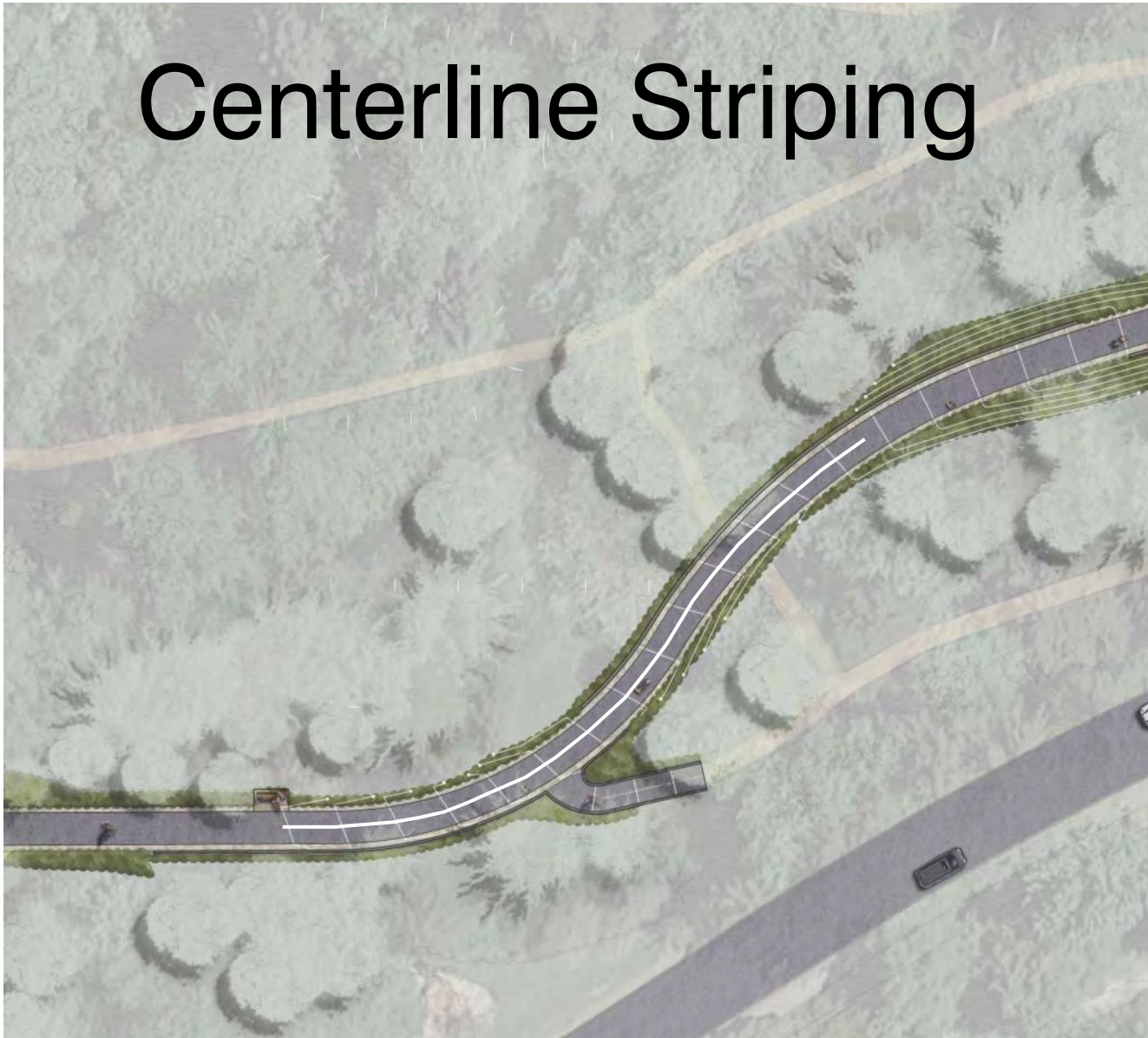
- Wayfinding, warning and Regulatory signing
- Curving alignment
- Sense of enclosure with vegetation
- Bridges and narrowed trail sections
- Rolling terrain



Trail Regulatory Signage



Centerline Striping



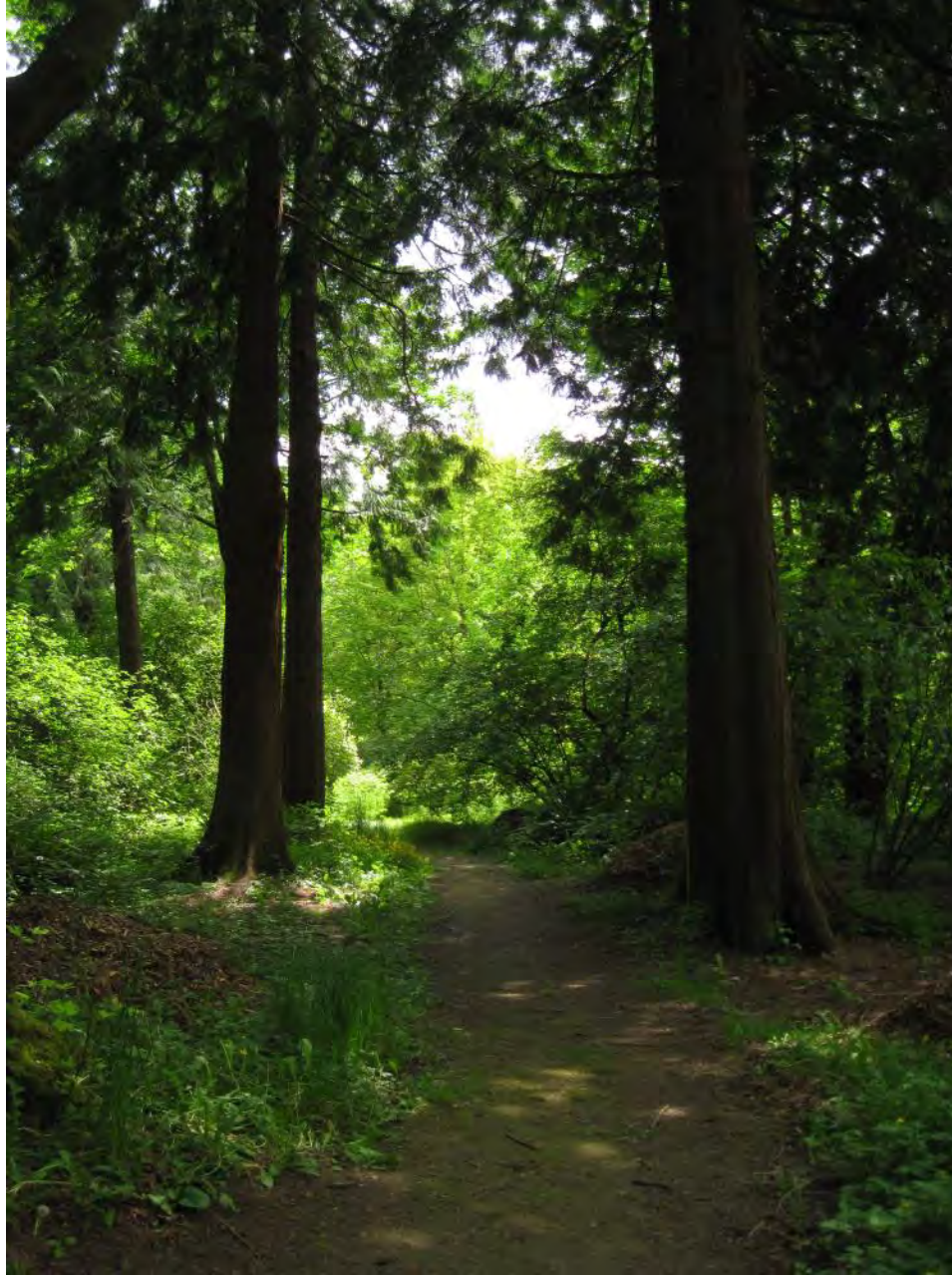
Arboretum Loop Trail

E. Madison Street



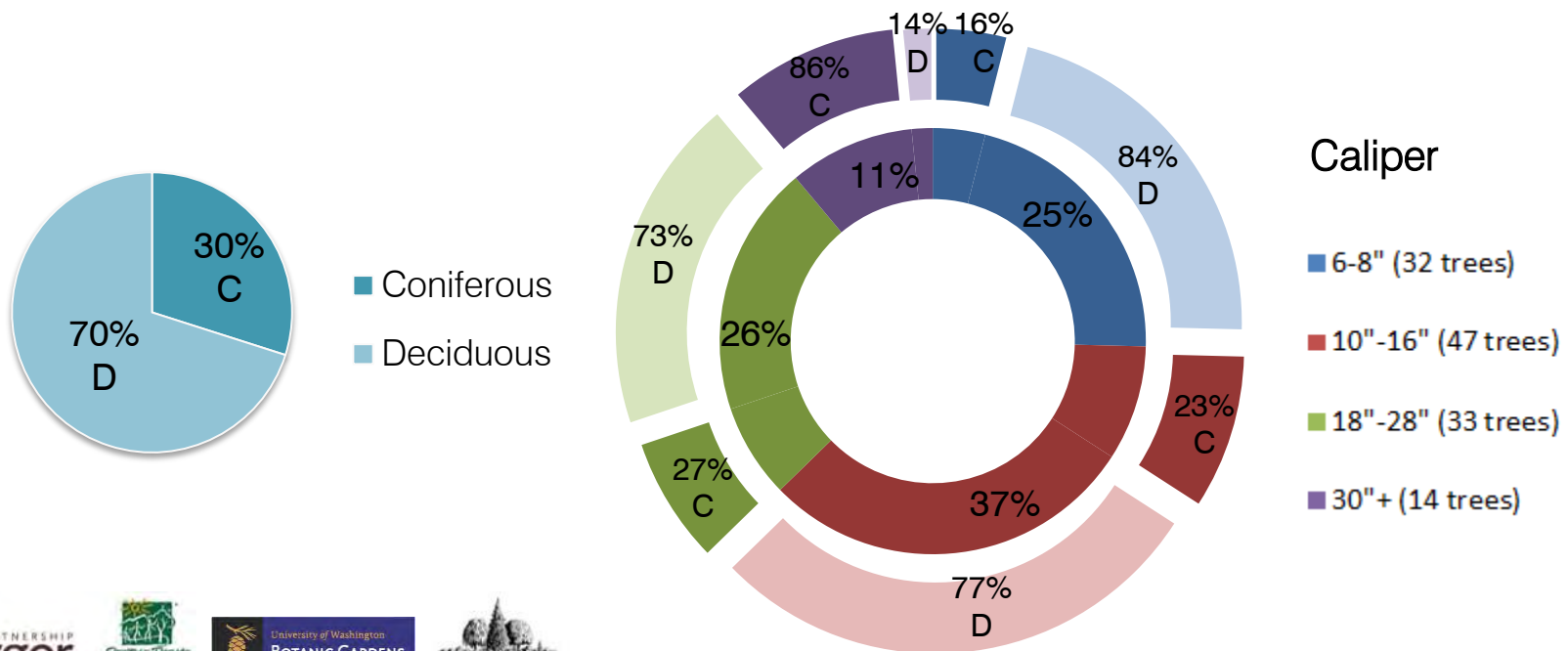
Trail Alignment and Tree Preservation





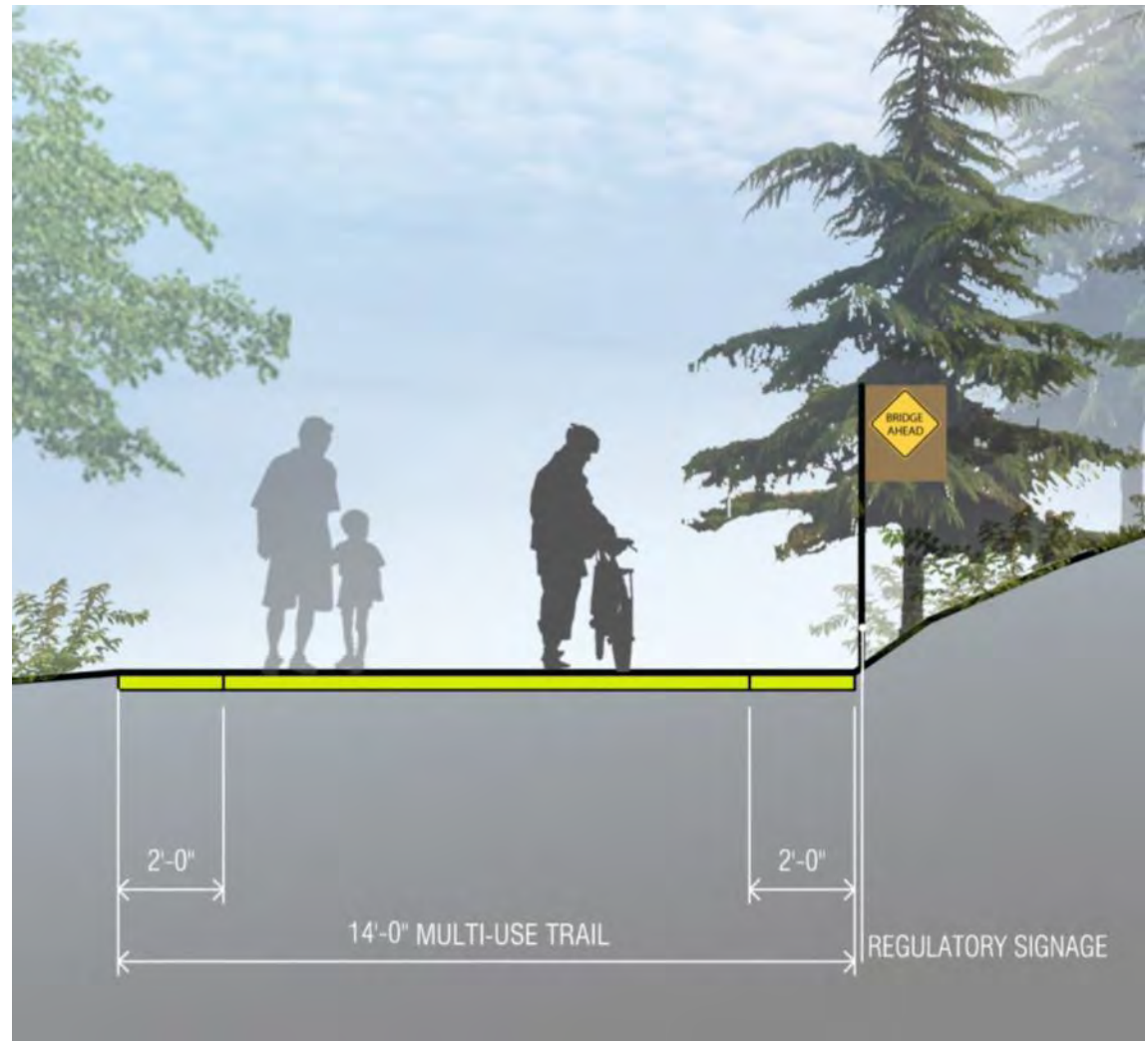
Tree Replacement

- 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

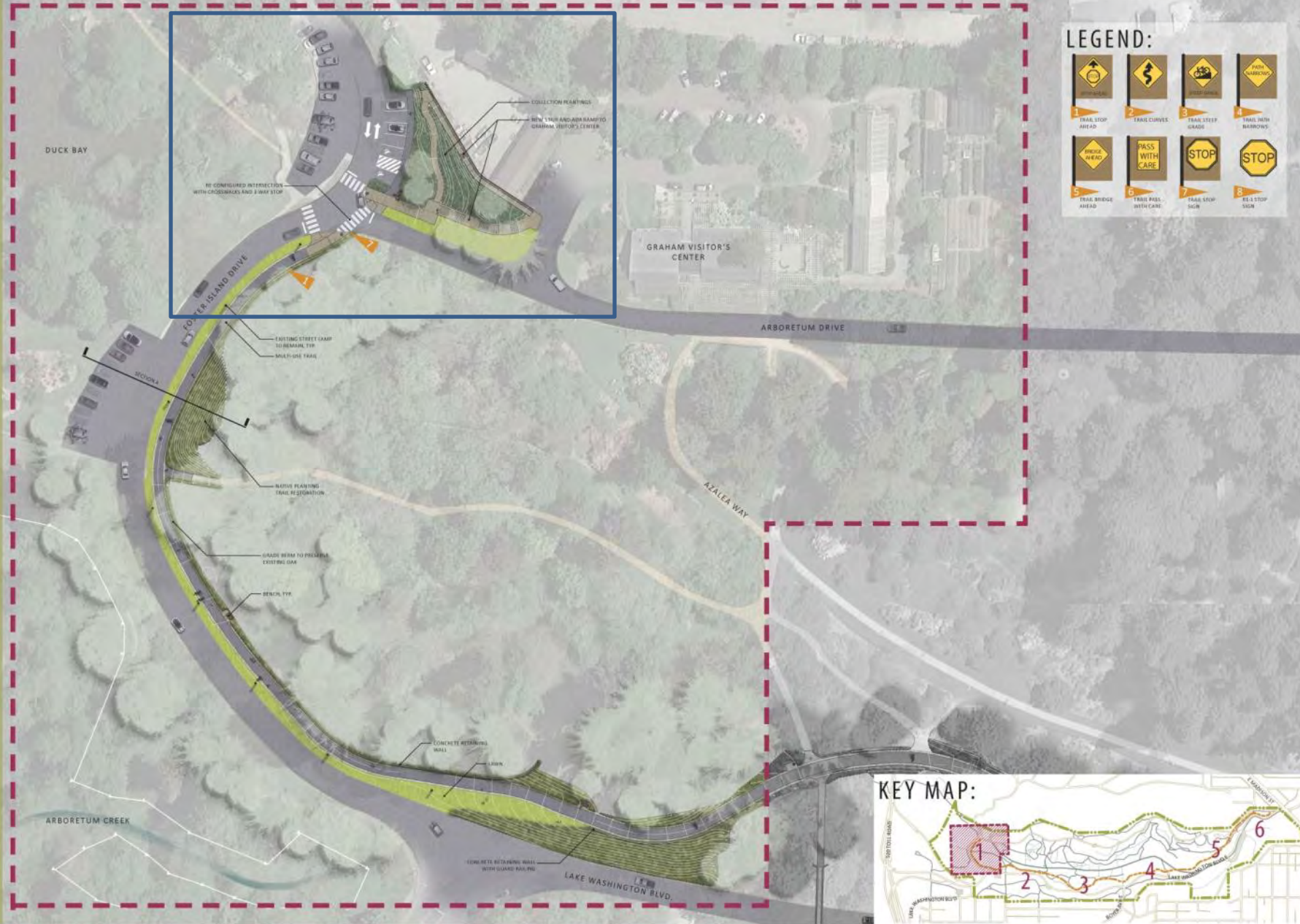
- Trail pavement – Asphalt.
- Shoulder – Crushed rock.
- Trail Restoration – Native plantings.



Site Furniture



GRAHAM VISITOR'S CENTER







berger PARTNERSHIP









LEGEND:

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







Restore Native Matrix











THE FLATS



KEY MAP:



The Heart





COLLECTION PLANTINGS

CREEK DAYLIGHTING

HAWTHORN BRIDGE

TRASH RECEPTACLE, TYP.

SECTION F

BIKE RACK

LAKE WASHINGTON BLVD.



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





LEGEND:



1 TRAIL STOP AHEAD



2 TRAIL CURVES



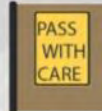
3 TRAIL STEEP GRADE



4 TRAIL PATH NARROWS



5 TRAIL BRIDGE AHEAD



6 TRAIL PASS WITH CARE

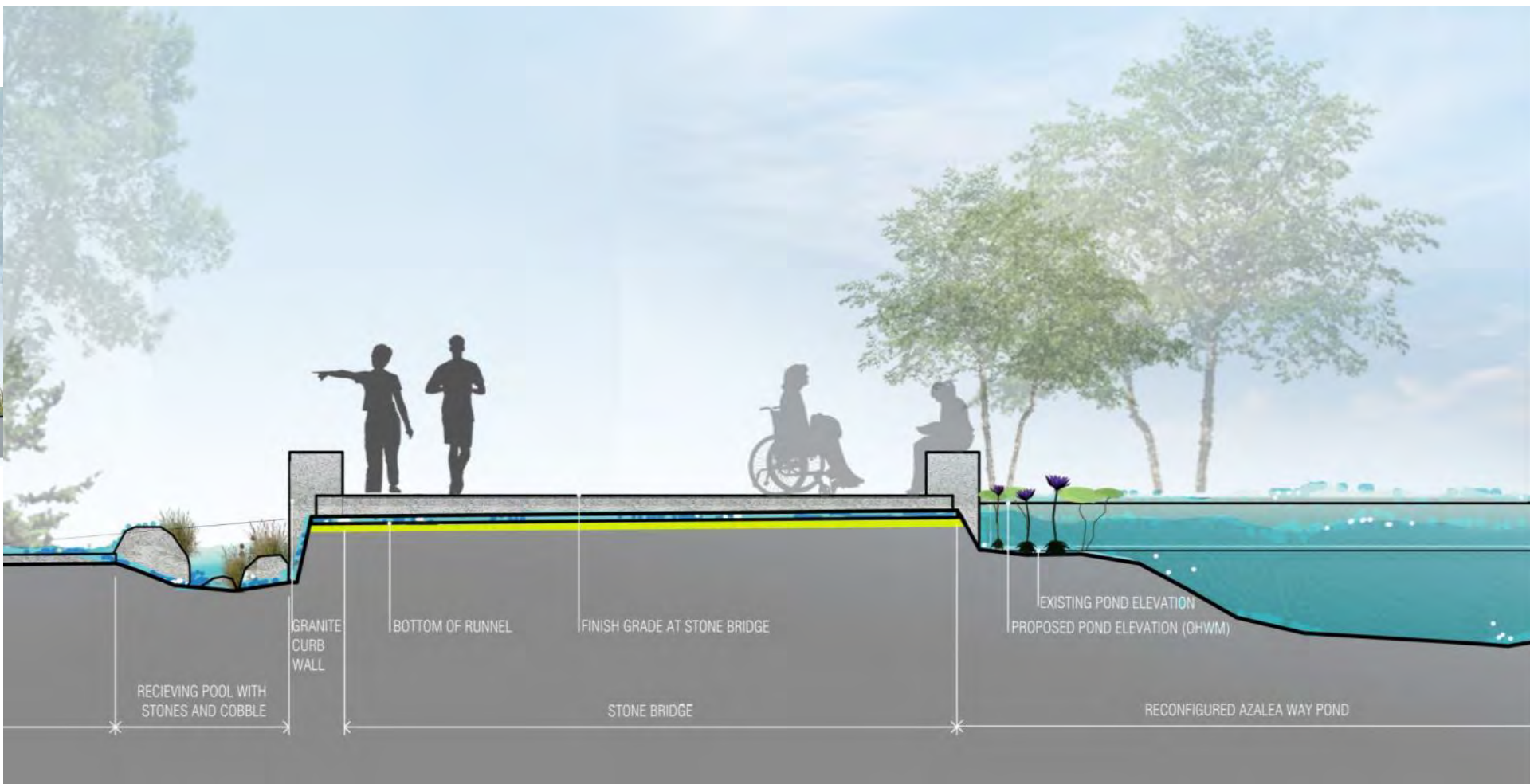


7 TRAIL STOP SIGN



8 RT-1 STOP SIGN





LEGEND:



1 TRAIL STOP AHEAD



2 TRAIL CURVES



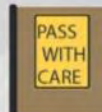
3 TRAIL STEEP GRADE



4 TRAIL PATH NARROWS



5 TRAIL BRIDGE AHEAD



6 TRAIL PASS WITH CARE



7 TRAIL STOP SIGN



8 RT-1 STOP SIGN







PACIFIC CONNECTIONS



LEGEND:



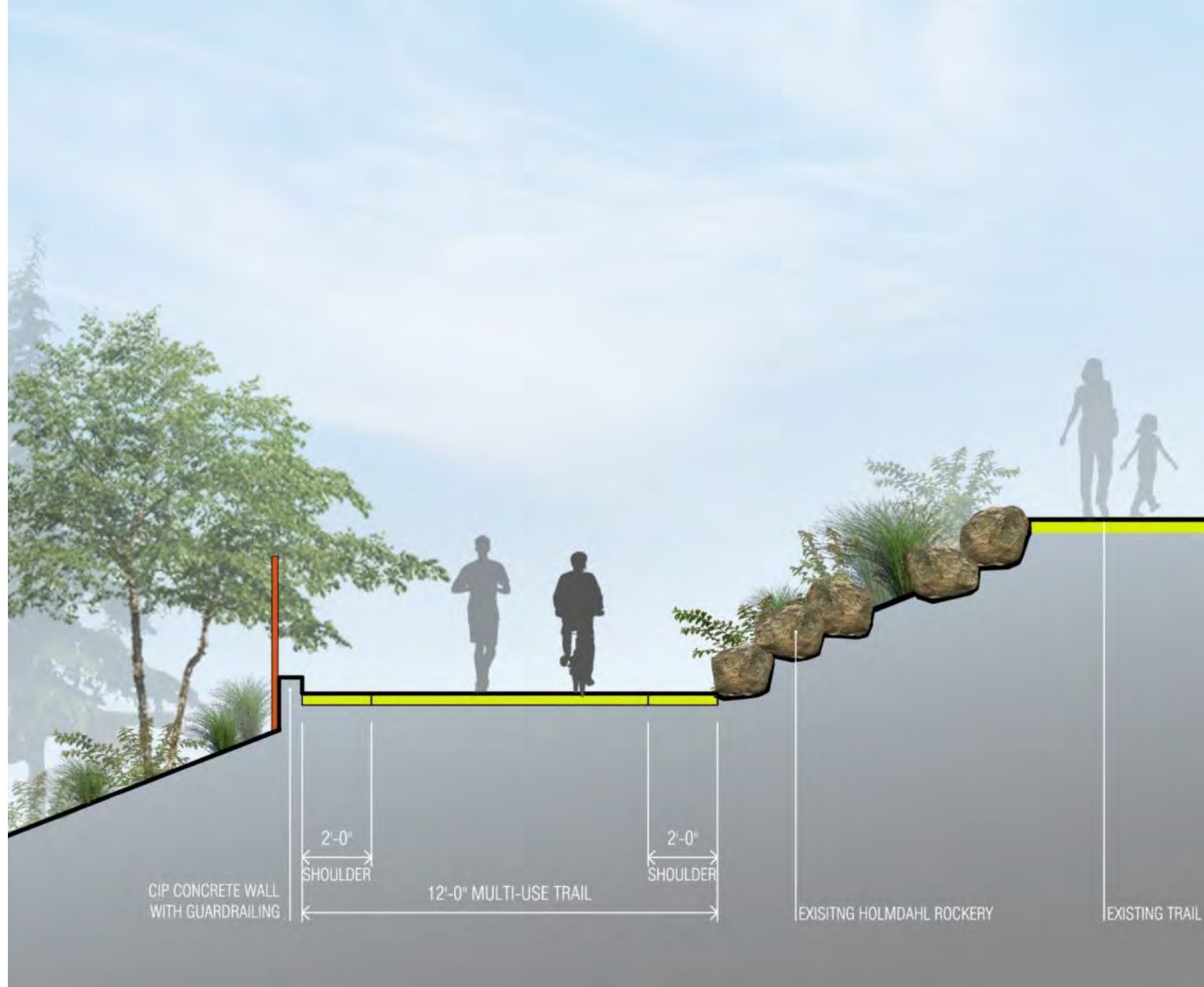
KEY MAP:

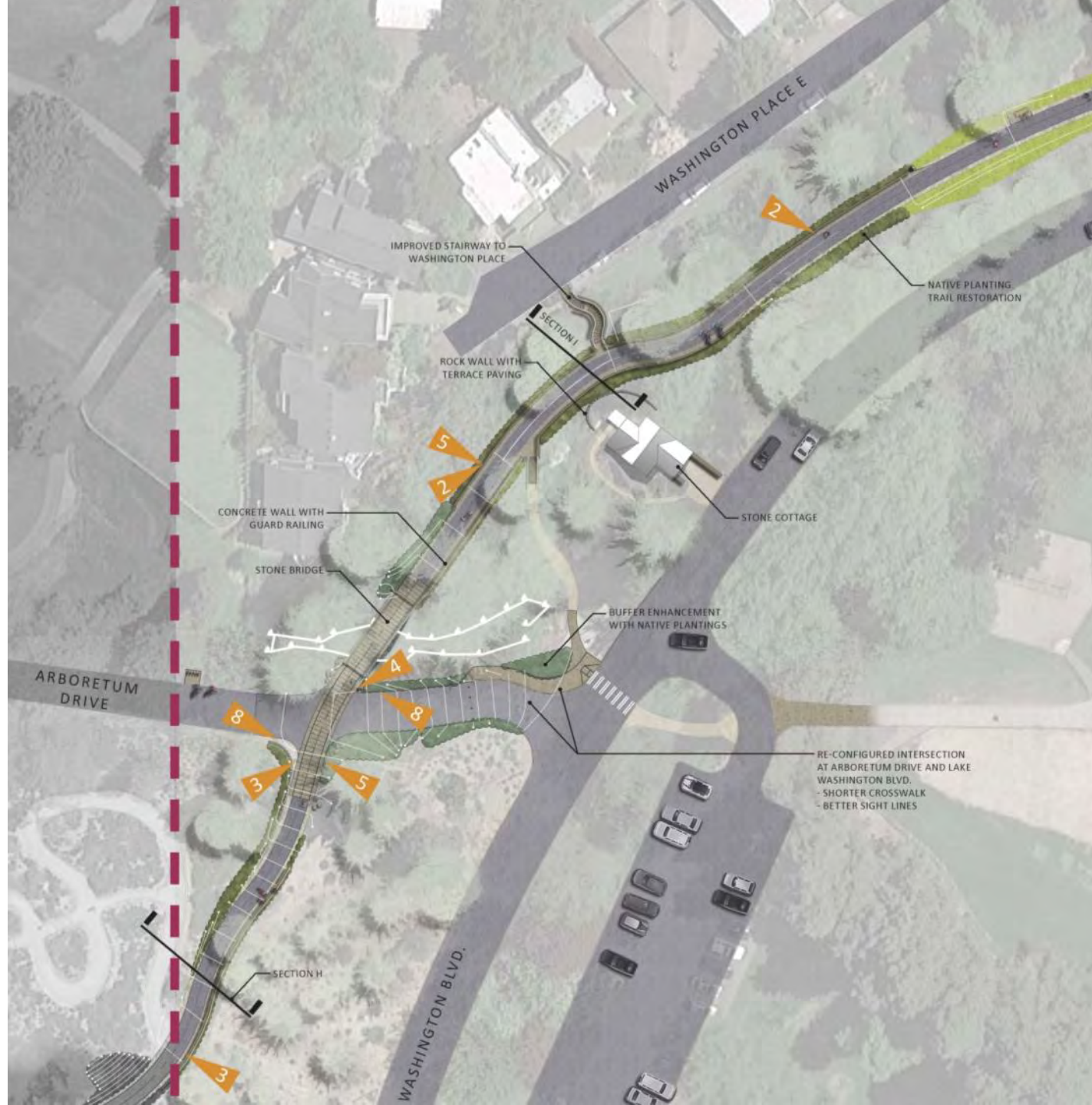




STONE COTTAGE ENTRY



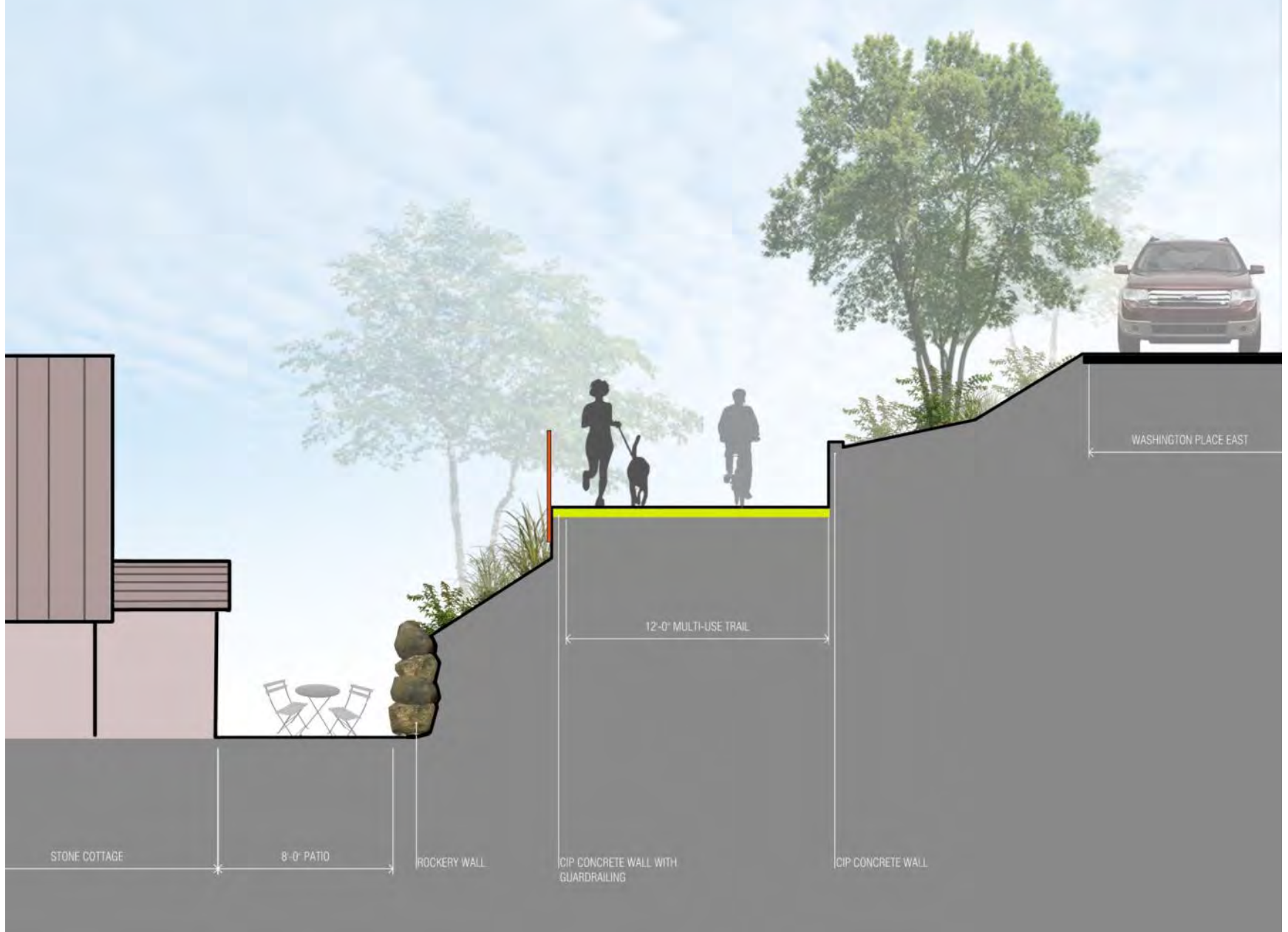




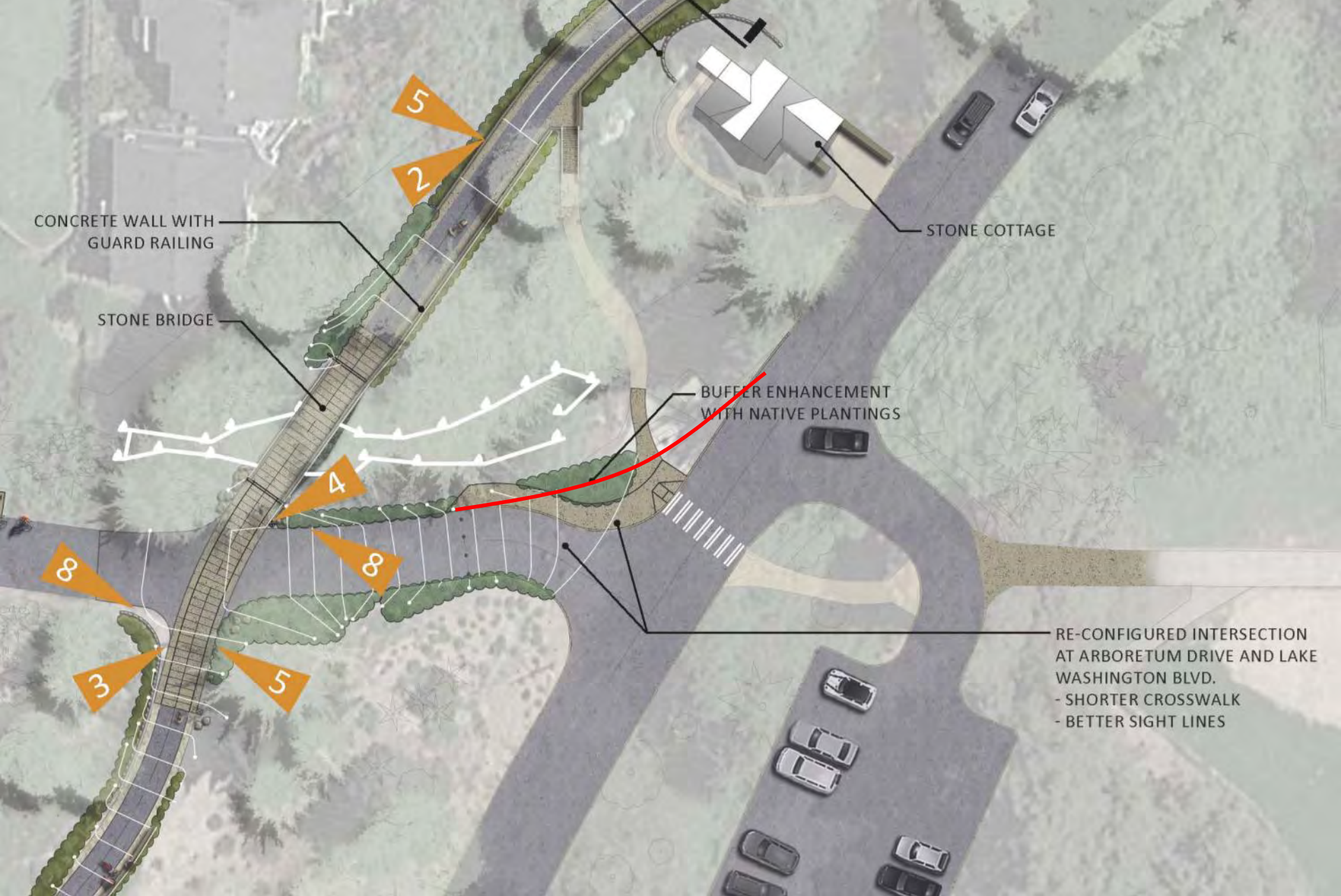












CONCRETE WALL WITH
GUARD RAILING

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.



31st Ave E. & E. Madison St.



Arboretum Loop Trail

E. Madison Street



Thank you!

