

SR 520 Program 84th On-ramp update

March 10, 2014



Julie Meredith
SR 520 Program Director

Lynn Peterson
Secretary of Transportation

SR 520 84th Ave on-ramp update
Medina City Council
Medina City Hall
March 10, 2014

Dave Becher
SR 520 Floating Bridge and Landings Project,
Project Director

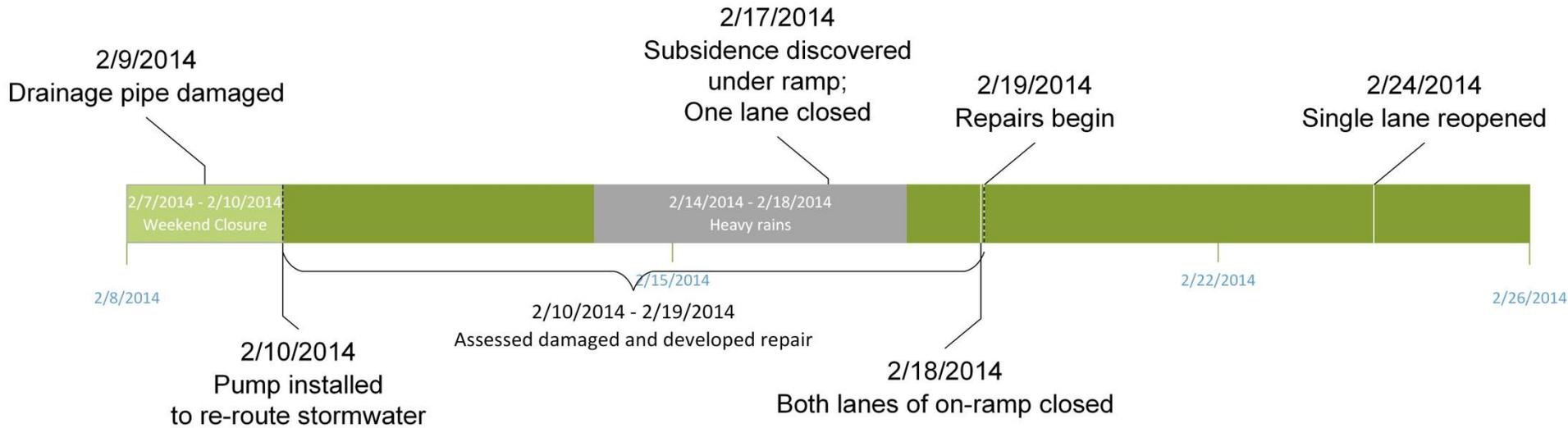
Presentation Agenda

- 84th Avenue Northeast on-ramp
- Viewpoint Trail update
- Look ahead and questions



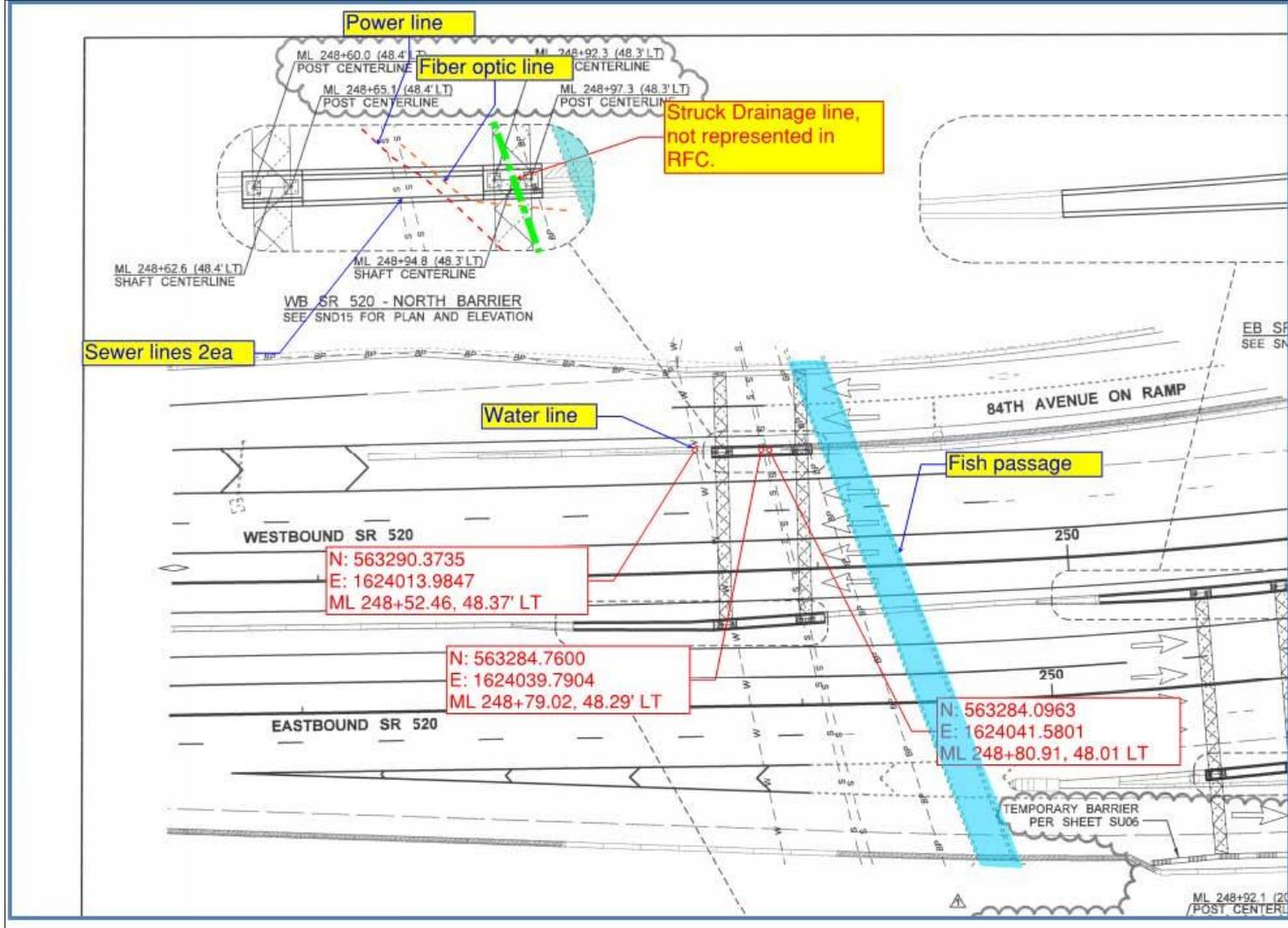
84th Avenue Northeast on-ramp emergency repair work

Overview



84th Avenue Northeast on-ramp emergency repair work

Location of repair



84th Avenue Northeast on-ramp emergency repair work

Feb. 9: Stormwater pipe damaged



View into casing at stormwater pipe location



Section of stormwater pipe retrieved during drilling

84th Avenue Northeast on-ramp emergency repair work

Feb. 10: Pump installed to re-route stormwater



Pump unit for rerouting stormwater



Hose conveying stormwater to separate drainage system

84th Avenue Northeast on-ramp emergency repair work

Feb. 17: Subsidence observed under ramp, left lane closed



Void under 84th Avenue NE on-ramp



Soil subsidence under on-ramp caused a barrier to shift

84th Avenue Northeast on-ramp emergency repair work

Feb. 18 - 19: On-ramp closed, repairs begin



Work area created to allow repairs and foundation installation; crews prepare for saw-cutting



Demolition of ramp pavement

84th Avenue Northeast on-ramp emergency repair work

Feb. 20: On-ramp closed, shoring installed



Crews use shovels to remove previously installed casing



Shoring box prior to installation



Shoring box installed; vacuum extraction

84th Avenue Northeast on-ramp emergency repair work

Feb. 21: On-ramp closed, pipe repairs



Damaged section of stormwater pipe



Cleaning remaining pipe and preparing area for installation of new pipe



New section of pipe awaiting installation

84th Avenue Northeast on-ramp emergency repair work- Feb. 22: On-ramp closed, foundation construction



*Concrete encasing new pipe section;
crews prepare for backfilling*



*Steel pipe installed for
foundation construction*



Backfill material is placed around the steel pipe

84th Avenue Northeast on-ramp emergency repair work

Feb. 23 - 24: On-ramp closed, foundation construction



Rebar cage for foundation construction



Installation of rebar cage for sign bridge foundation

84th Avenue Northeast on-ramp emergency repair work

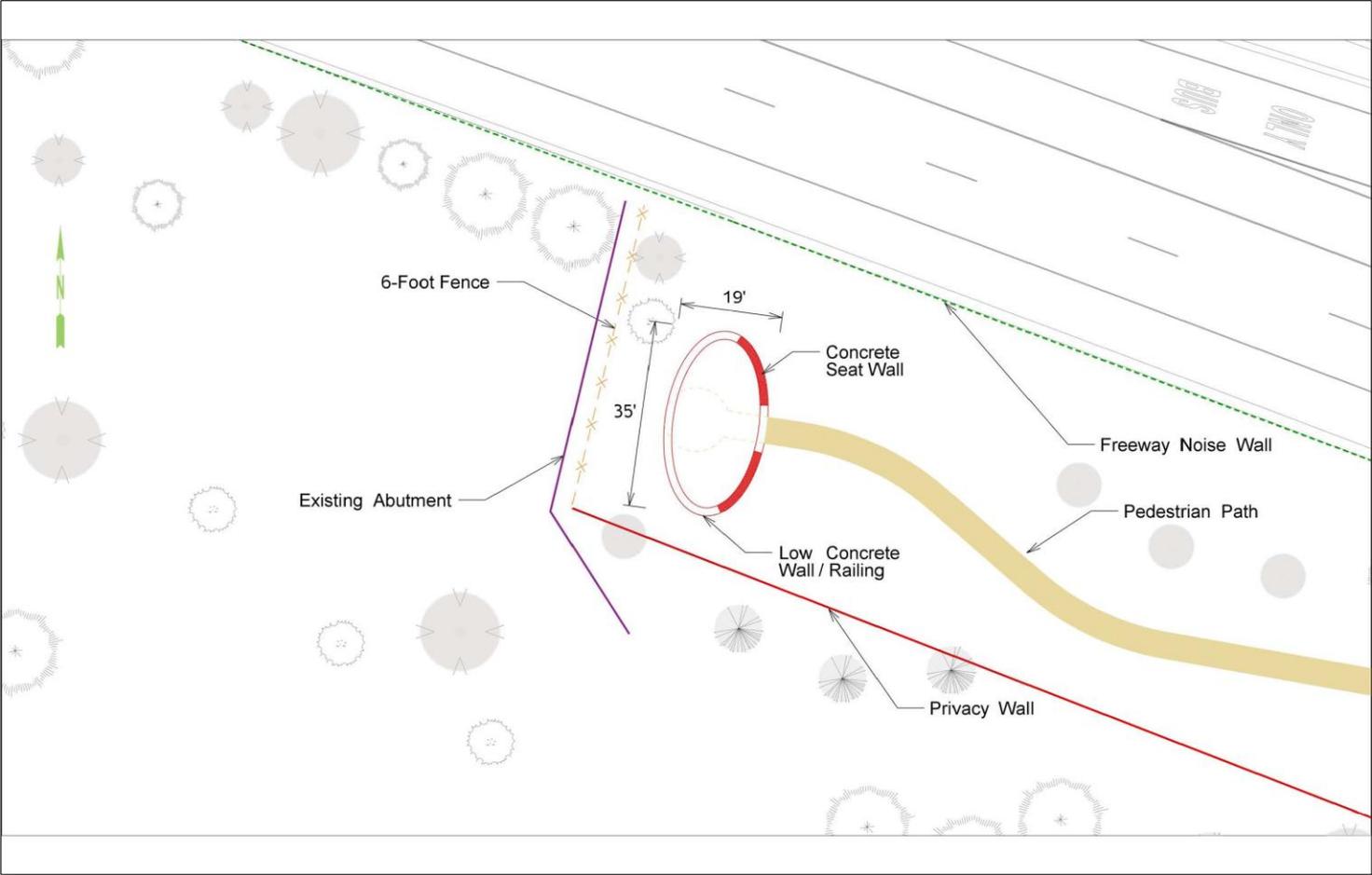
Current configuration



Both lanes are now open; final construction activities will take place during scheduled westbound SR 520 closures

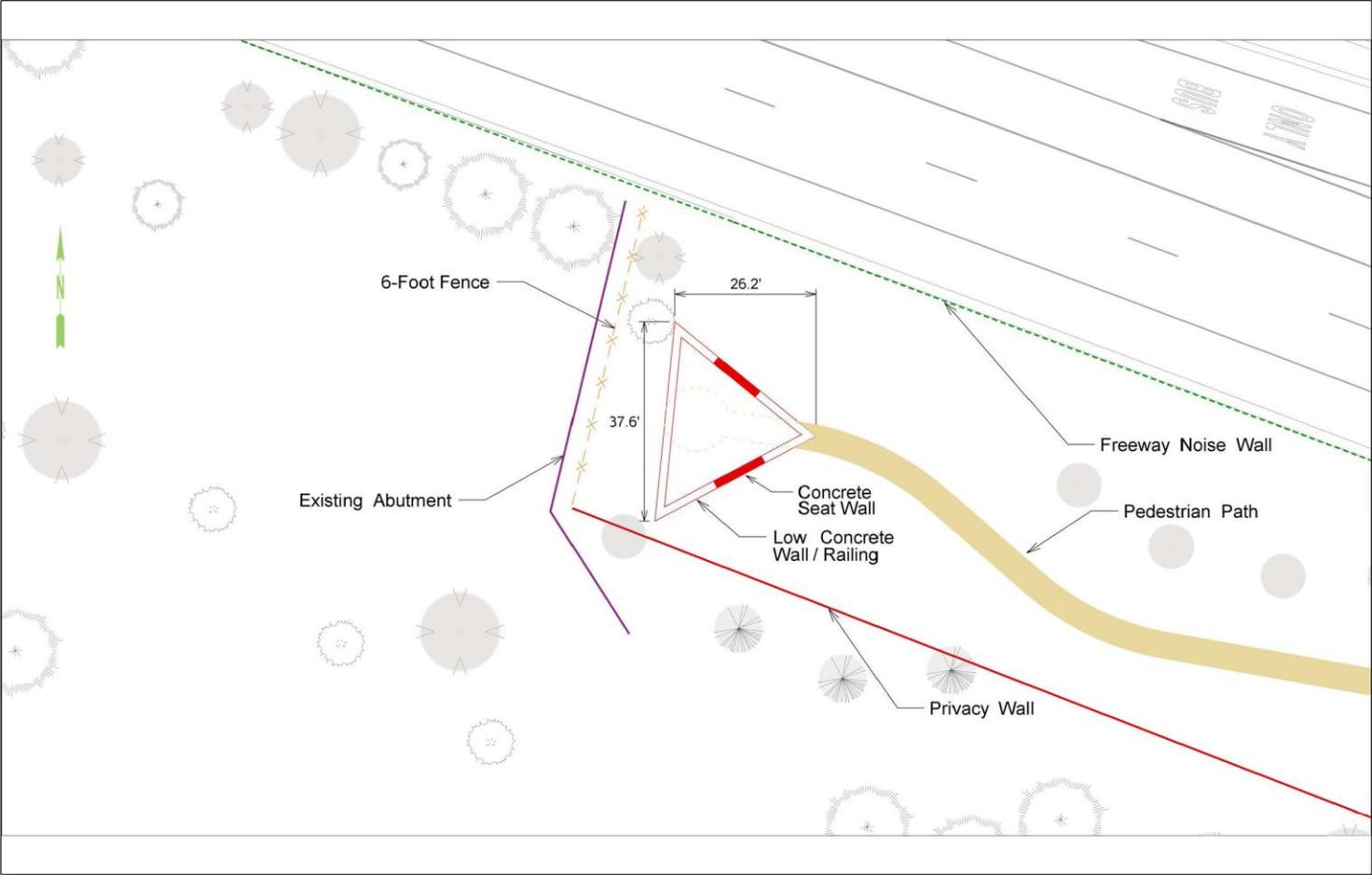
Viewpoint Trail

Oval option



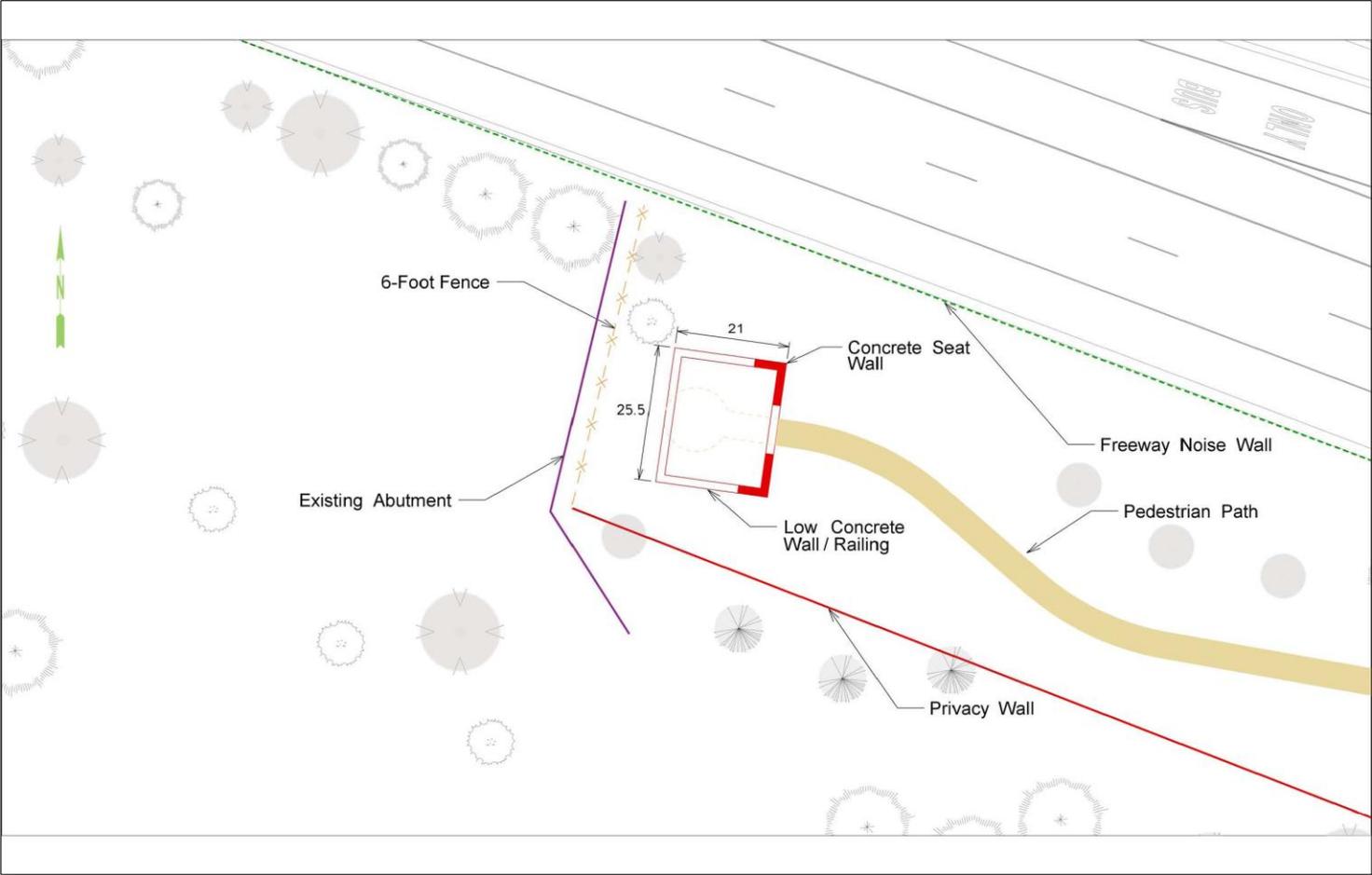
Viewpoint Trail

Triangle option



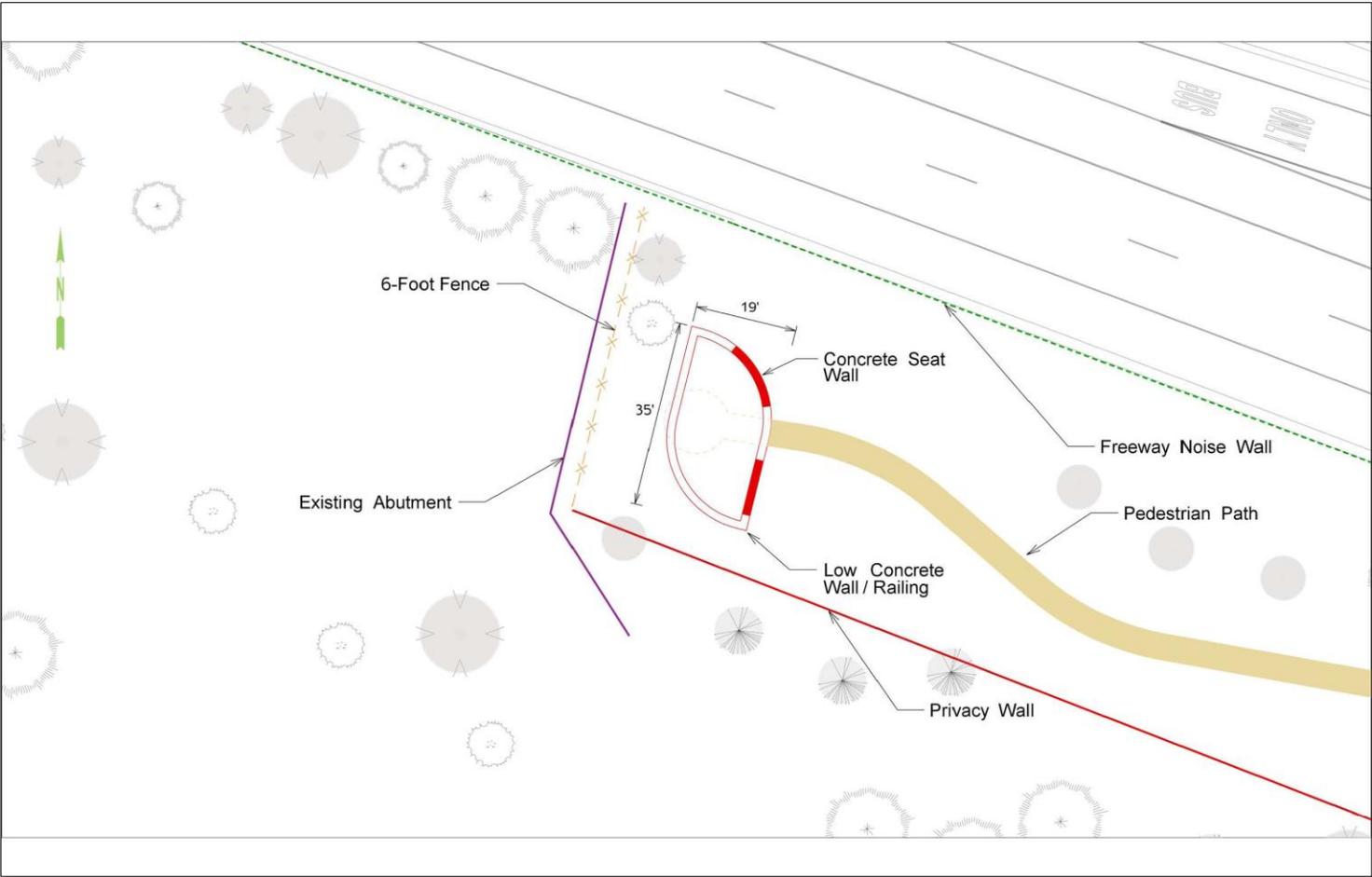
Viewpoint Trail

Square option



Viewpoint Trail

Ellipse option



Questions?

For more information and construction updates:

Visit our new SR 520 Orange Page:

www.wsdot.wa.gov/Projects/SR520Bridge/520orange/

Eastside project information:

www.wsdot.wa.gov/Projects/SR520Bridge/MedinaTo202/

Floating Bridge and Landings project information:

<http://www.wsdot.wa.gov/Projects/SR520Bridge/BridgeAndLandings/>

E-mail:

SR520Bridge@wsdot.wa.gov

24-hour Construction hotline:

206-708-4657



Back pocket slides

Eastside Pedestrian Overlook: Conceptual Design



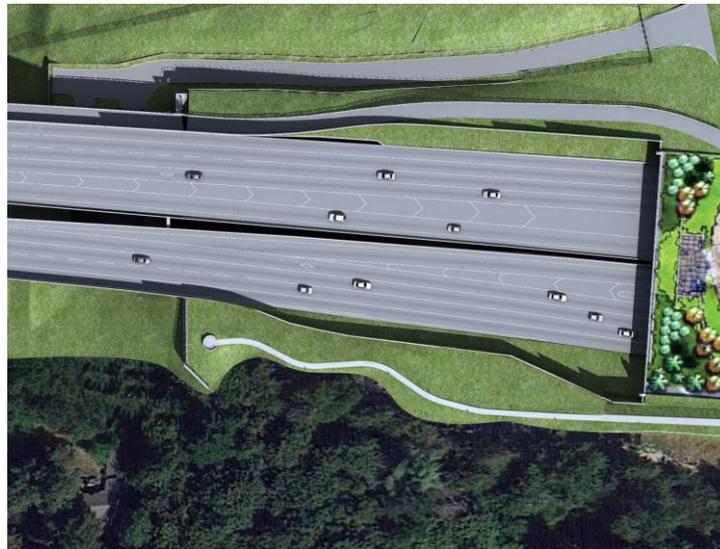
April 2011

Eastside Pedestrian Overlook: KGM's initial proposal



March 2012

Eastside Pedestrian Overlook: Refined design



July 2012

Eastside Pedestrian Overlook: Current design



Jan. 2013

Eastside Pedestrian Overlook: Current design



Jan. 2013