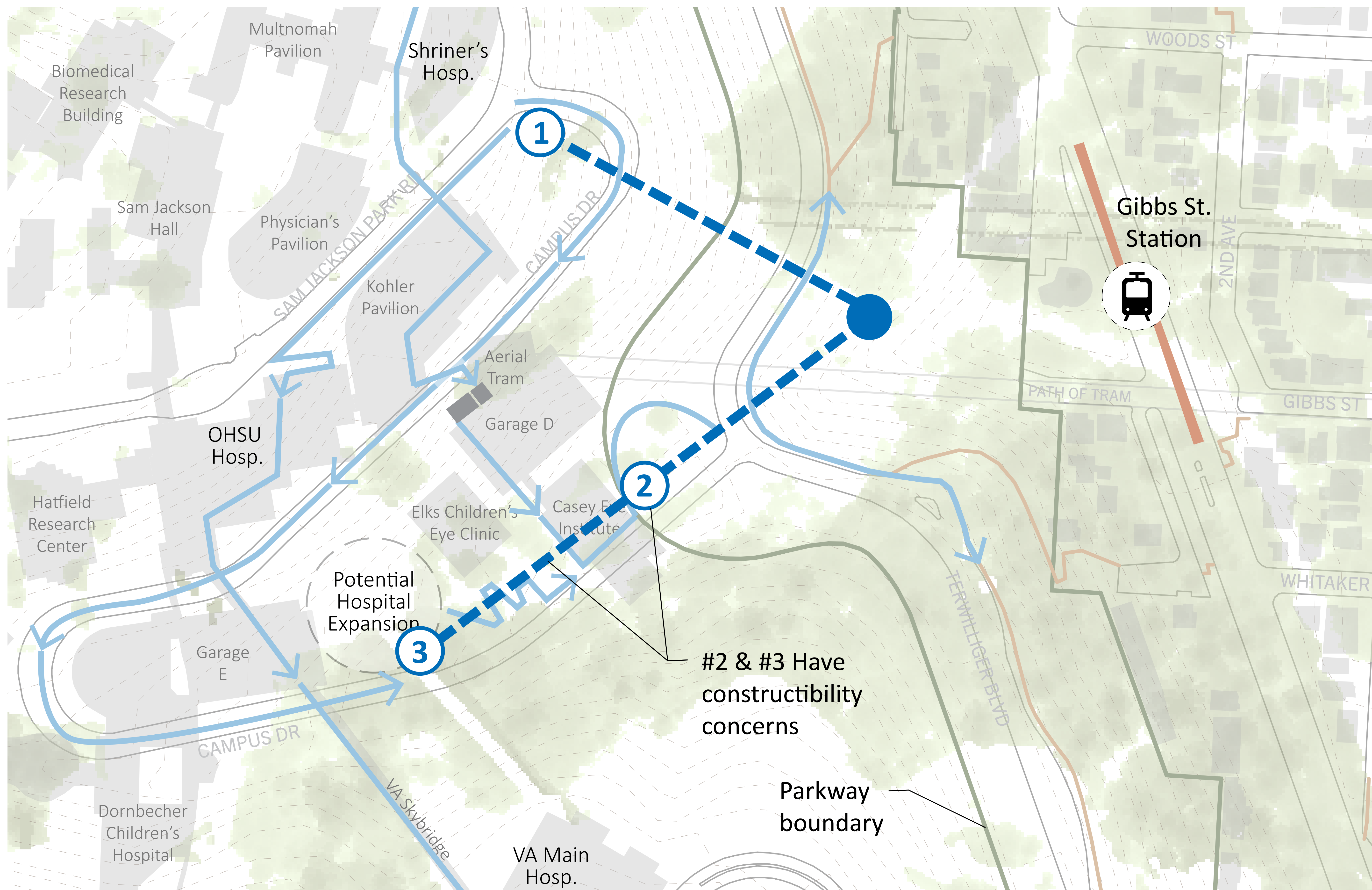


TUNNEL + ELEVATOR: OVERVIEW

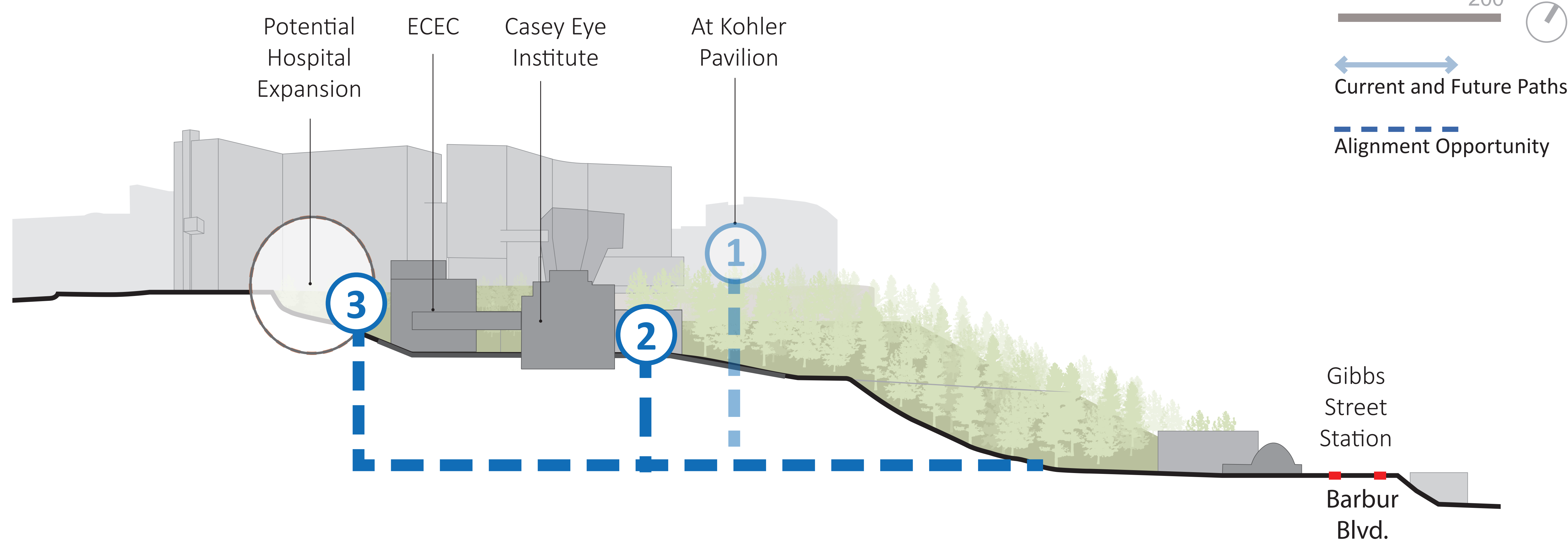
ALIGNMENT OPPORTUNITIES



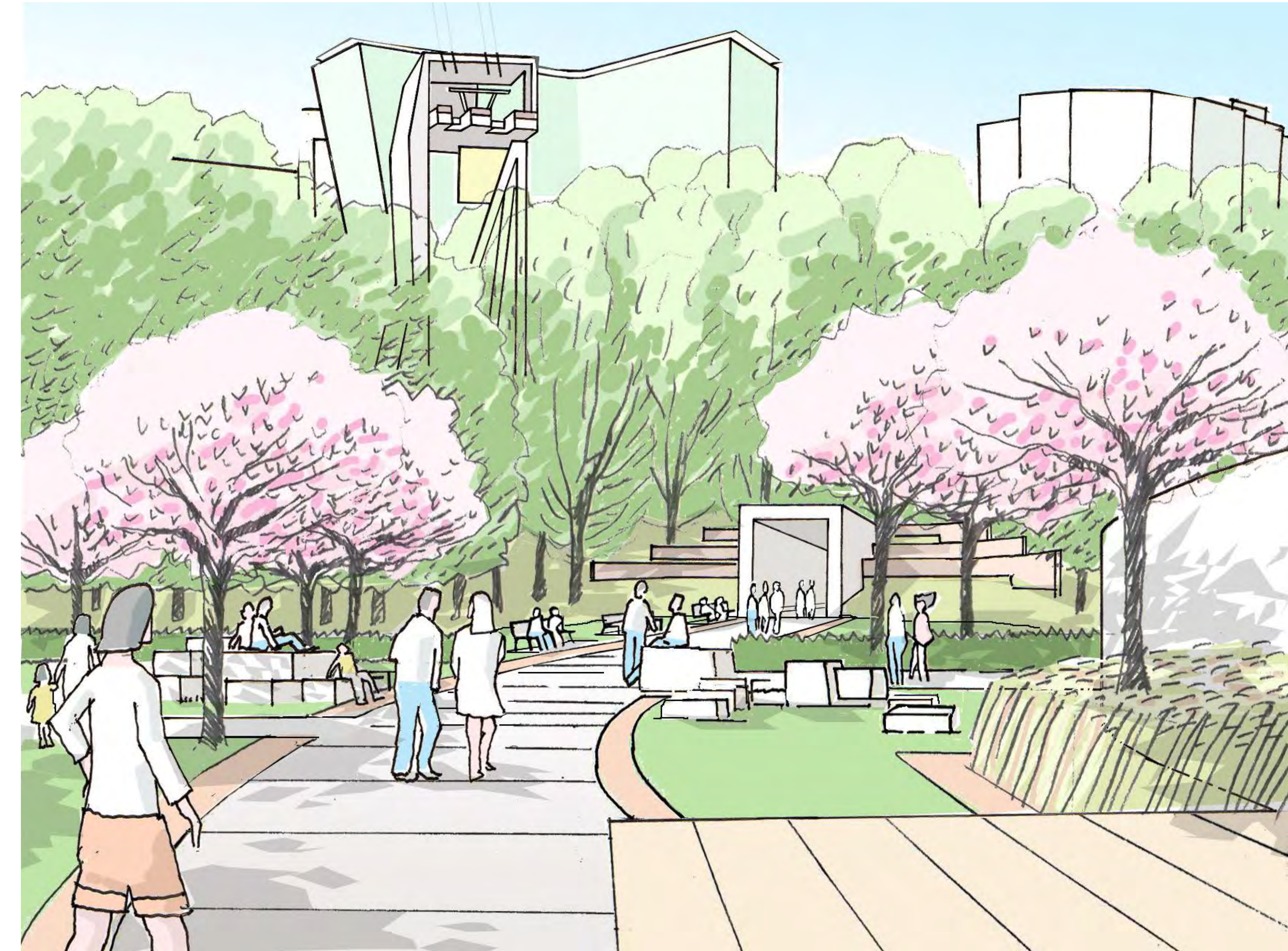
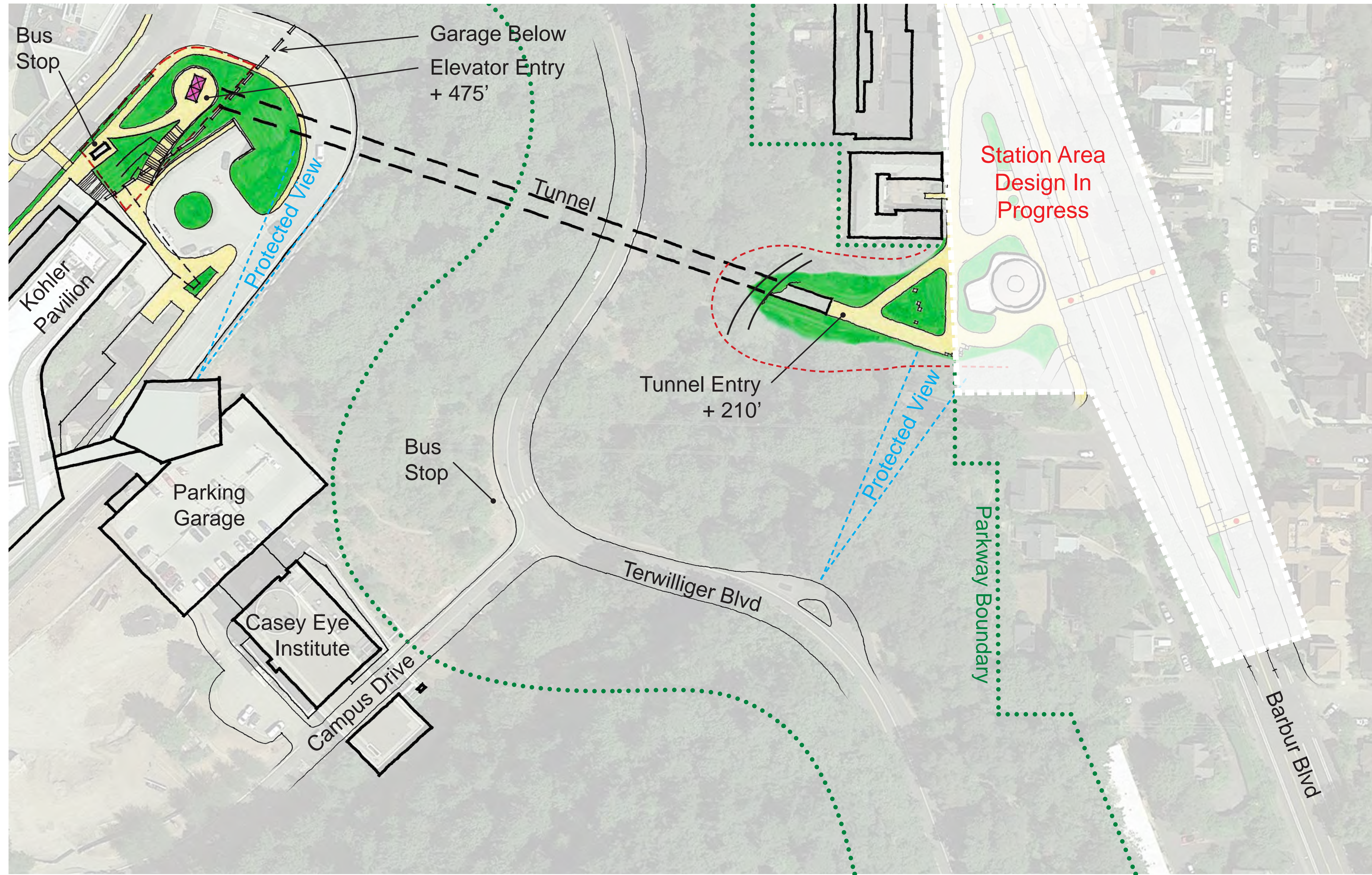
DESTINATION OPPORTUNITIES

- ① Kohler Pavilion
- ② Casey Eye Institute
- ③ Potential Hospital Expansion

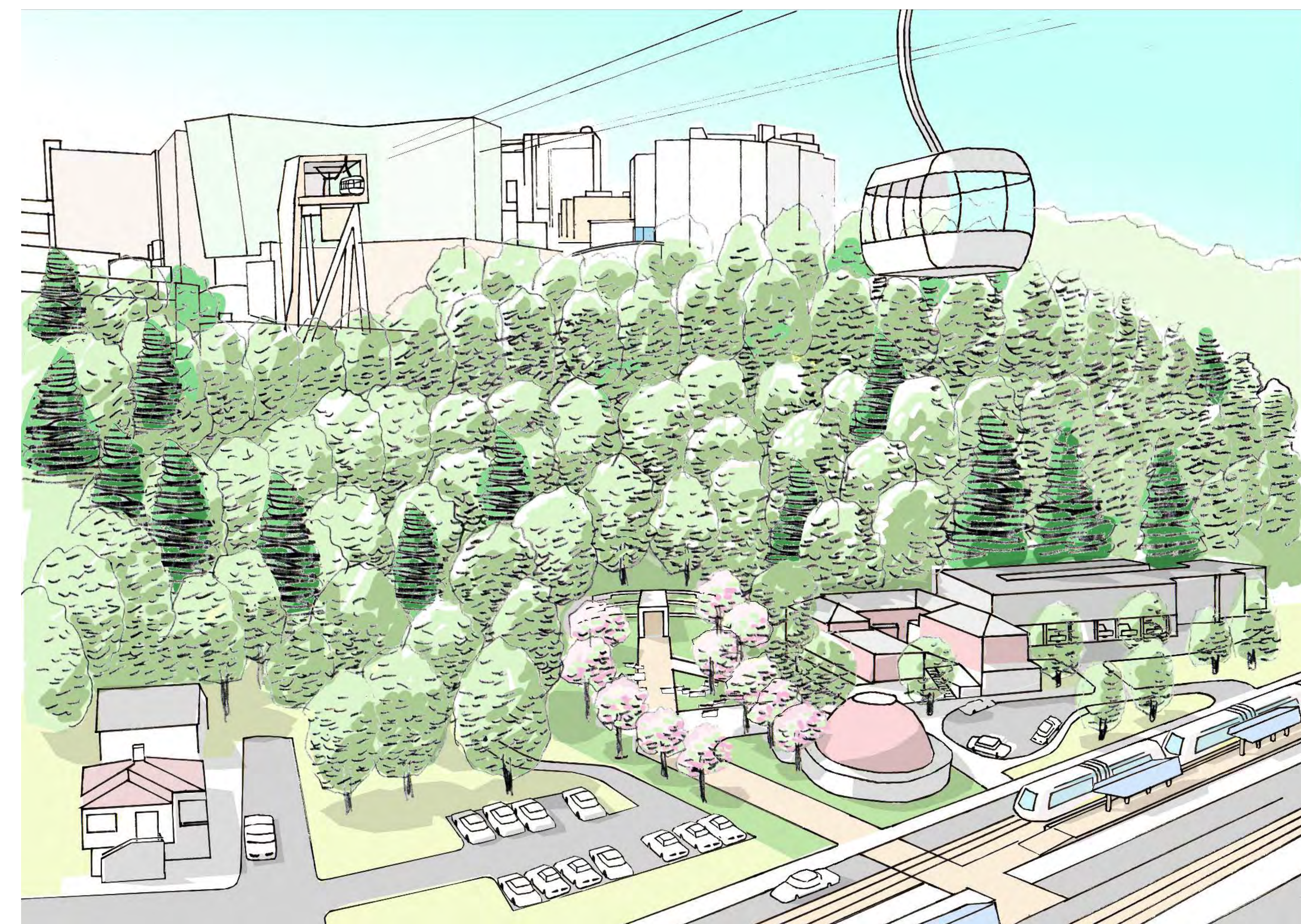
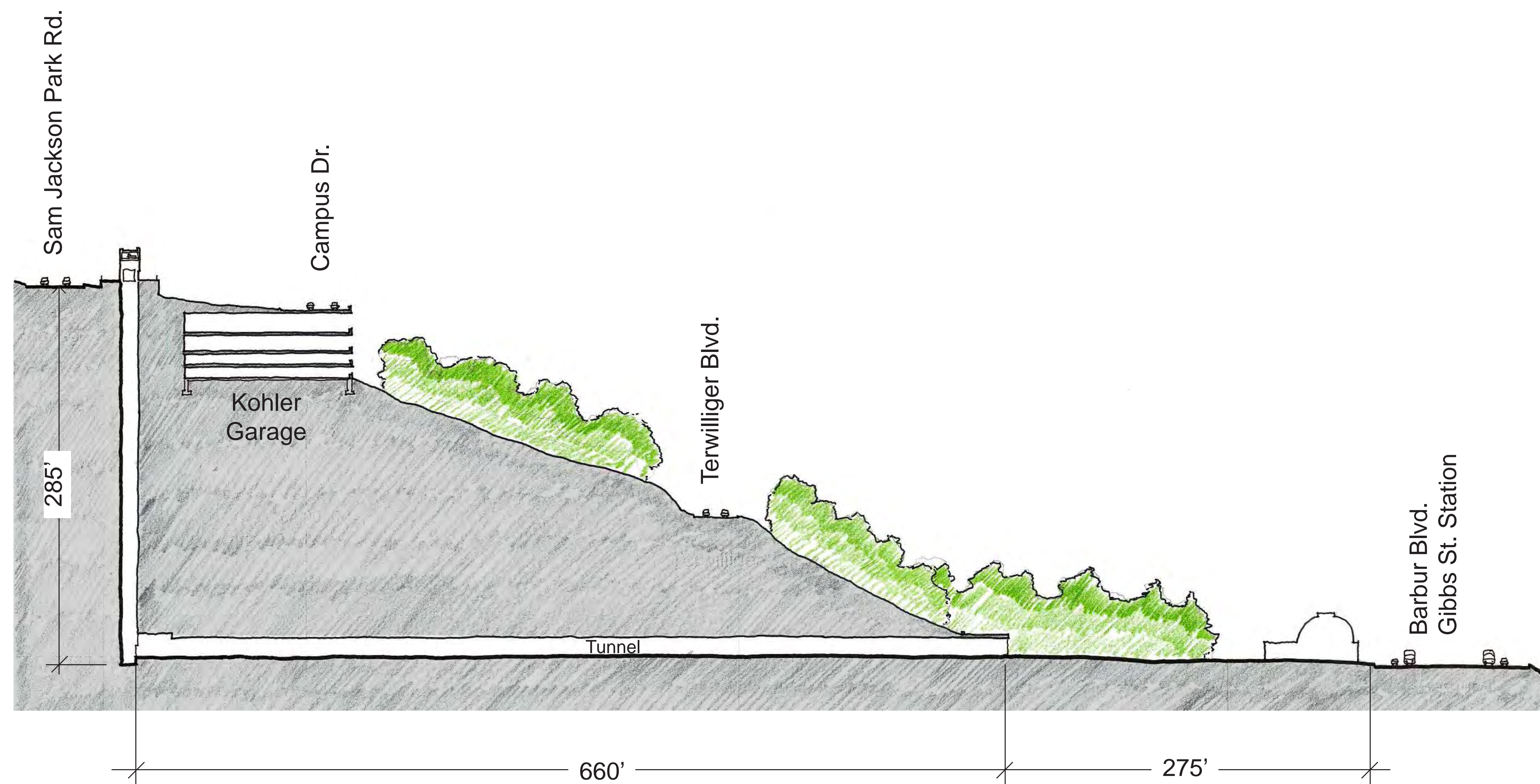
PRECEDENT IMAGES



TUNNEL + ELEVATOR: CONCEPTUAL EXAMPLE

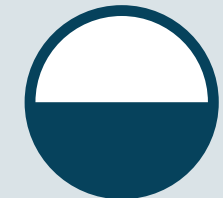
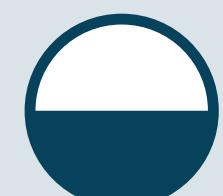
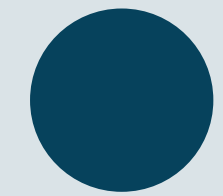
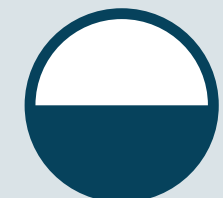
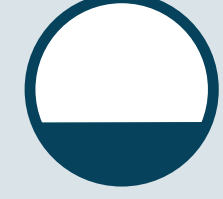
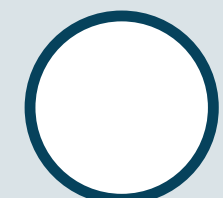
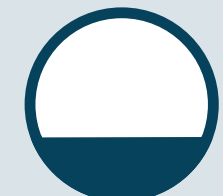


VIEW FROM BASE OF HILL, LOOKING WEST



AERIAL VIEW, LOOKING WEST

TUNNEL + ELEVATOR: EVALUATION

CATEGORY	GOALS “The Marquam Hill Connector should...”	DRAFT EVALUATION	NOTES
ACCESS	<ul style="list-style-type: none"> Provide connections between the light rail station and destinations on Marquam Hill Provide an efficient, convenient, equitable and comfortable connection for all types of users 		<ul style="list-style-type: none"> Weather protection is inherent Indirect access to OHSU lower campus, VA Hospital, & recreational destinations Long walk underground (675 ft/3.5 city blocks), moving walkway may be incorporated
SAFETY	<ul style="list-style-type: none"> Create a safe and secure connection for all users 		<ul style="list-style-type: none"> Minimizes conflicts among modes Users have low visibility from surrounding area Will require monitoring equipment and/or staff for security
CONTEXT	<ul style="list-style-type: none"> Best fit with, enhance, and improve the unique historic, scenic, recreational and design character of this area 		<ul style="list-style-type: none"> Minimizes visual impacts on surroundings Maintains use & identity of Terwilliger Parkway
ENVIRONMENTAL	<ul style="list-style-type: none"> Protect or enhance the area’s natural resources and sensitive habitat 		<ul style="list-style-type: none"> Construction footprint limited to portal & shaft construction areas Construction activities require monitoring for noise & vibration impacts to surroundings, debris hauling will impact adjacent roadways
OPERATIONAL	<ul style="list-style-type: none"> Provide a long-term, sustainable connection for current and future users 		<ul style="list-style-type: none"> No precedent for a pedestrian tunnel of this scale in Portland, operational issues require further study Complex to maintain, may include attendants, limited hours, and/or user fee
BUDGET/SCHEDULE	<ul style="list-style-type: none"> Be cost effective and timely within the Southwest Corridor Light Rail Project 		<ul style="list-style-type: none"> Approximate cost: \$55-125 million Difficult construction type, very high risk of cost & schedule overruns
EXPERIENCE	<ul style="list-style-type: none"> Create a signature connection that provides a high-quality user experience and inspires civic pride 		<ul style="list-style-type: none"> Challenging environment to make high quality pedestrian experience