

NE 130th Street Infill Station

*Seattle Design Commission
30% Concept Design Review*

April 16, 2020

Agenda

- NE 130th Street Infill Station Overview
- Community Outreach
- Site Condition & Urban Analysis
- Design Concept
- Questions/Comments

Goals and Overview

Goals

- Station added as infill in 2016 ST3 voter package
- Provides access to light rail in growing community
- Provides access for all modes of transportation
- Enhance station identity with art and finishes
- Minimize impacts to Lynnwood Link Extension and its customers

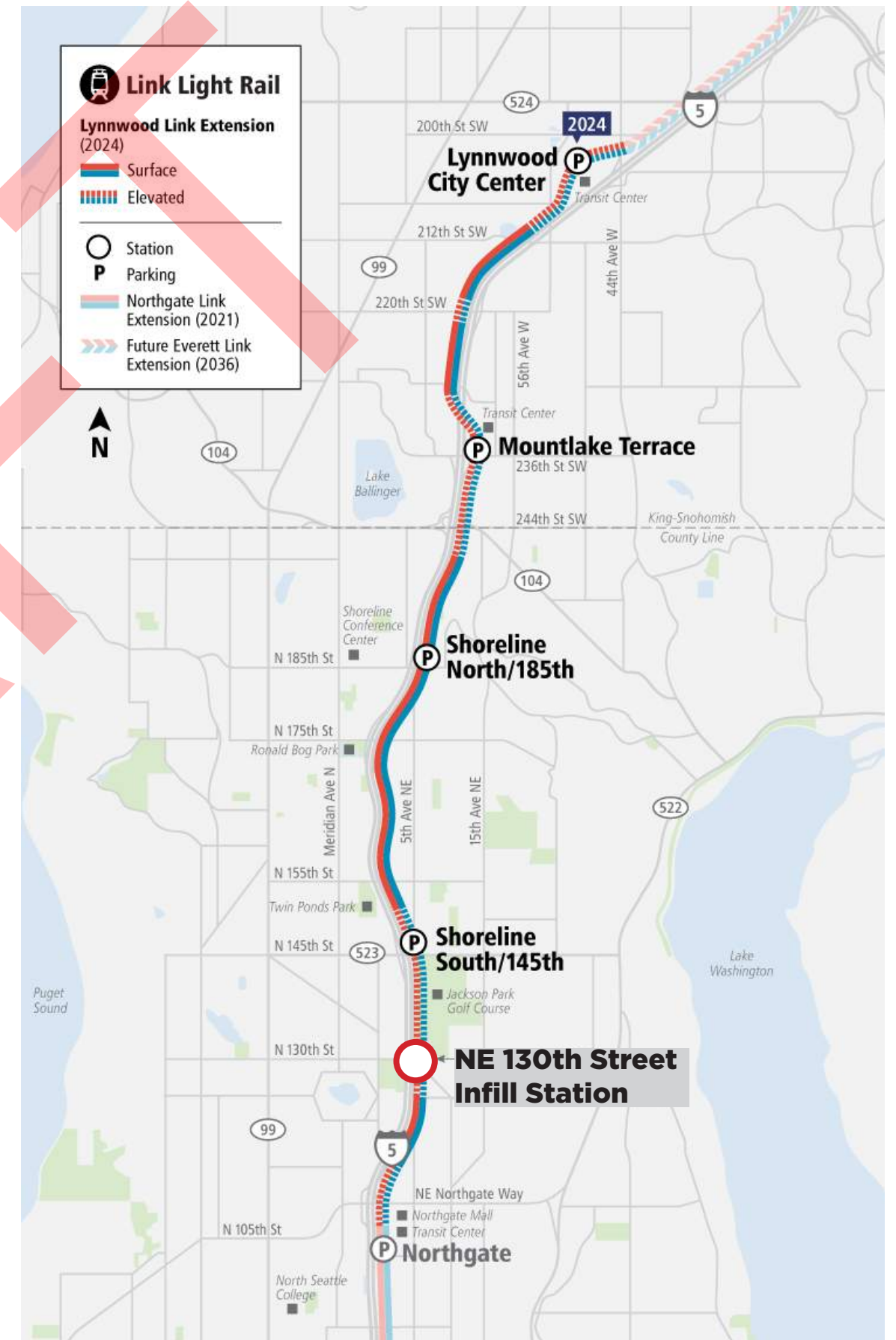
Overview

- Station located at 5th Ave NE and NE 130th St
- Elevated side-platform station
- Estimated 3,400 daily boardings
- Travel time: Westlake, 15 min; SeaTac/Airport, 53 min

Overview Continued

Infill Station

- Preferred alternative in LLE final EIS
- Infill station on Lynnwood Link Extension
- Timing in ST3 Plan - start 2024, open 2031
- \$144M project Estimate
- Challenges with building as infill
 - Sept. 2018 accelerated preliminary engineering
 - Feb. 2020 accelerated final design
 - *Board decision in Q2 2021 on construction and opening*



Challenges of Infill Construction

Over 60k daily riders affected, nearly 90% from Snohomish and North King subareas

- Potential system-wide delays could affect many more riders
- Service delays due to single-tracking
- Restricted construction window – nighttime construction and higher cost
- Repeated neighborhood impacts
- Mitigation expenses



Environmental

- NE 130th St Infill station alternative evaluated in LLE 2015 Final EIS
- Current design generally consistent with Final EIS
 - Added vehicle turn-around loop
 - Selected side platform station
- Station located in EIS-analyzed area; WSDOT and SDOT ROW
- Additional environmental review not needed

Partner Collaboration

- Collaborated on station design throughout 2019
 - 3 Design workshops
 - 3 Traffic Analysis workshops
 - 2 Value engineering sessions
-
- Station access points
 - Paratransit stop location
 - Bus stop locations
 - Street and access improvements
 - Traffic analyses



Community Outreach

- **Seattle/Shoreline Open House** – *Feb 26, 2019*
- **Seattle Station area planning workshop** – *Mar 13, 2019*
- **Seattle Station area planning workshop** – *Sept 28, 2019*
- **ST Board briefing** – *January 9, 2020*
- **ST System Expan. Committee** – *February 13, 2020*
- **ST Board Meeting** – *February 27, 2020*



“I would strongly urge you to vote for the speeded up NE 130th station plan!”

“Will pedestrians be able to access the station on foot?”

Community Outreach

Goal: Consult and inform general public

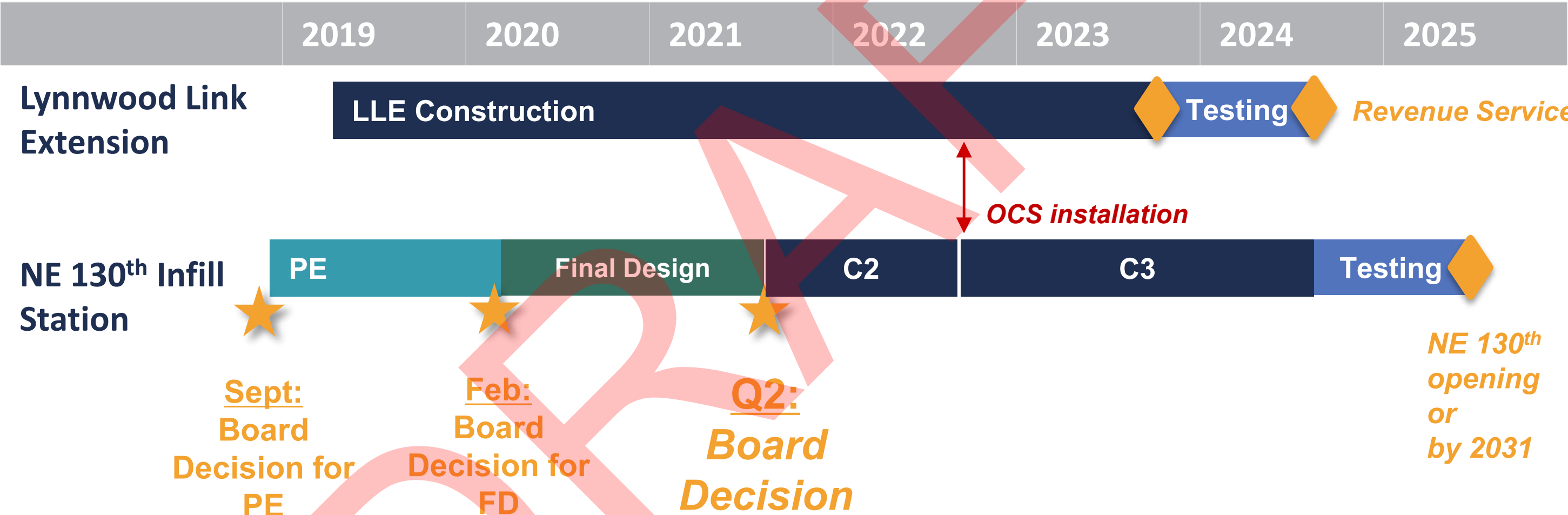
- Project updates via the LLE project listserv, over 9,000 subscribers
- Participate in City of Seattle Station Area Planning events
- Attend community fairs & events to distribute information & gather input
- Solicit feedback via online open houses, LLE Facebook, email, social media, post cards, and flyers
- Host open house for 60% and 90% design in Q3 and Q4*

Target audiences: Neighborhood groups; Bike and pedestrian community; residents adjacent to NE 130th station

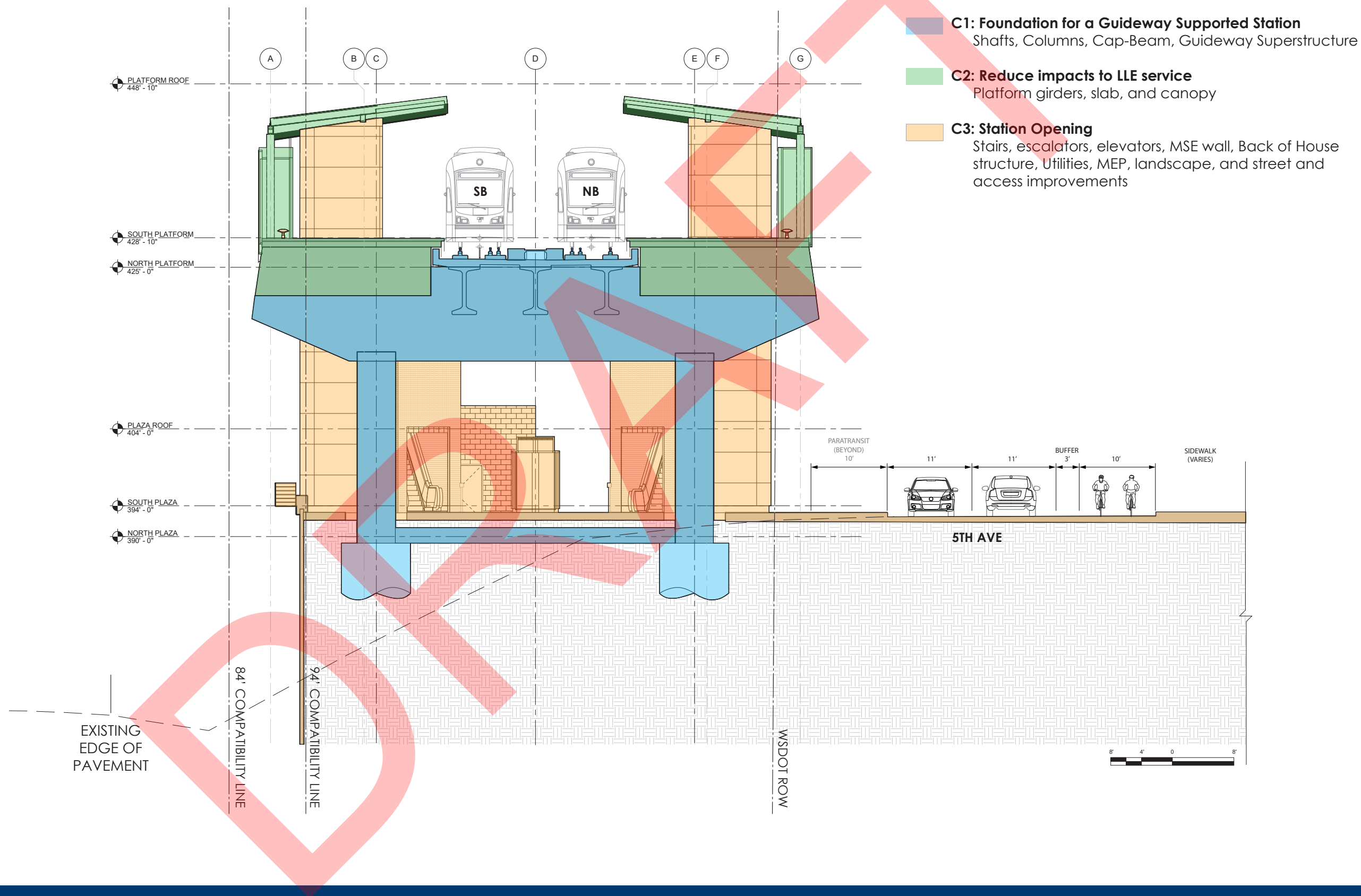
*May be canceled due to Covid-19

Project Schedule

- Objective is alignment of NE 130th with LLE schedule
- Q2 2021, Board to decide when station will open



Project Phasing



Zoning Information & Neighborhood Context

Neighborhood

- Single Family Residential SF-7200
- Multi-Family Residential NC1-55 (M)
- Mixed-Use: Residential / Commercial LR3 (M)

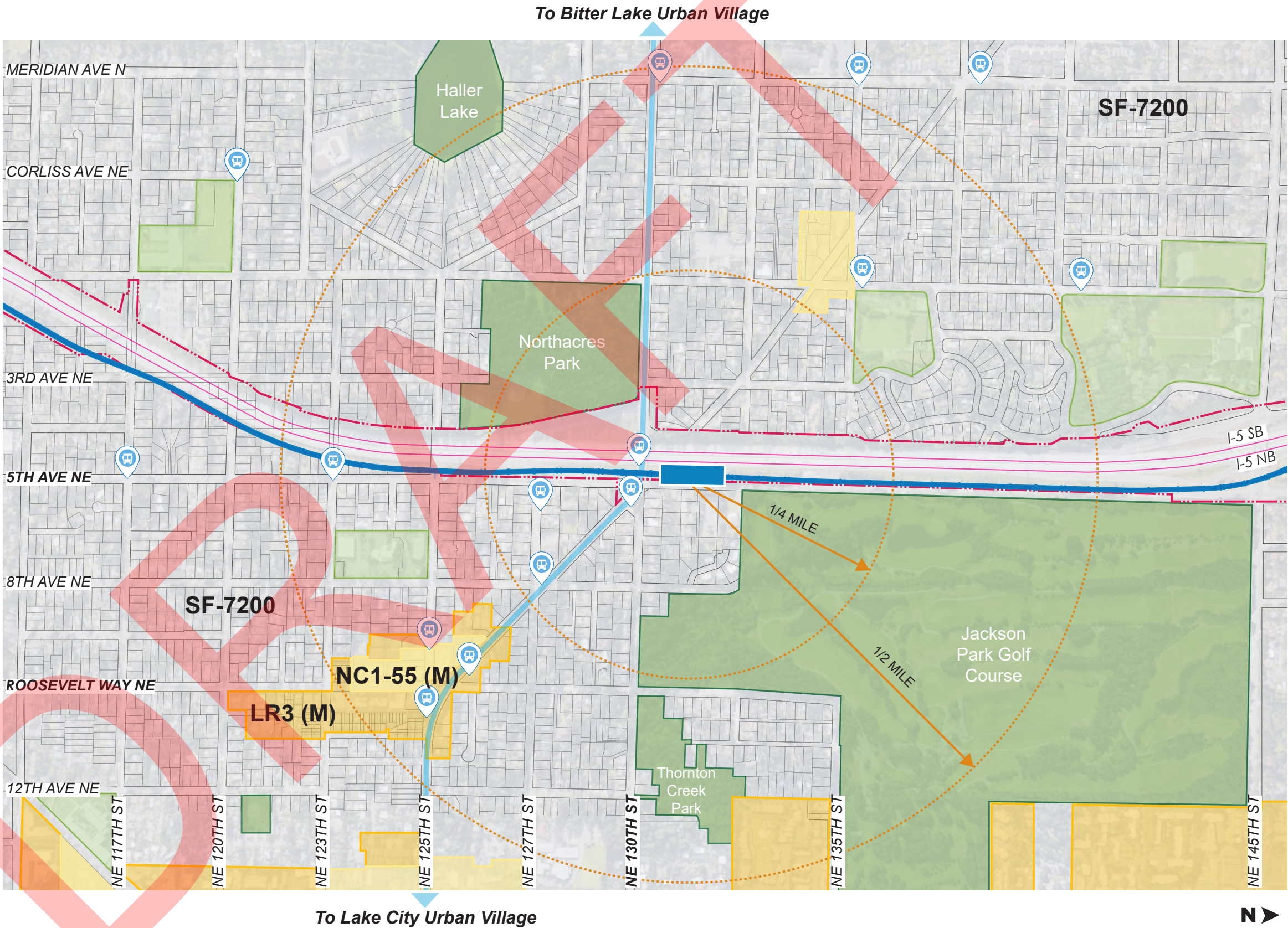
Location & Access

- WSDOT Right of Way
- Parallel to 1-5
- Lynnwood Link Light Rail
 - South Northgate Station
 - North 145th Station
- Route to Nearby Urban Villages
- Local Bus Routes
 - Relocation of bus stop 242 & 243 adjacent to station

Local Amenities

- K-12 Schools located with 1 mile radius
 - Ingraham High School
 - Lakeside School
 - Lakeside Middle School
 - Seattle Jewish Community School
 - Pinehurst K-8 School

- Parks and Recreation



Site Analysis / Existing Conditions



Interstate 5

Site parallel to 1-5
Adjacent to 1-5 NB off ramp
Adjacent to 1-5 SB on ramp
Existing NE 130th St bridge

Pedestrian Experience

Limited sidewalk network
NE 130th St & 5th Ave NE
intersection sole crosswalk
within 1/4 mile radius

Guideway

Lynnwood Link Guideway
currently under construction
with predetermined elevation

Grading

29' longitudinal grade difference
12' - 24' transverse grade
difference

Adjacent Uses

Single Family Residential
Jackson Park Trail
Jackson Park Golf Course
North Seattle Nazarene Church
5th Ave NE/NE 133rd St Park &
Ride



Existing Site Photos



1. South of NE 130th St & 5th Ave NE intersection



2. East of NE 130th St & 5th Ave NE intersection looking toward project site



3. Intersection of NE 131st Pl & 5th Ave NE adjacent to project site



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Existing Site Photos



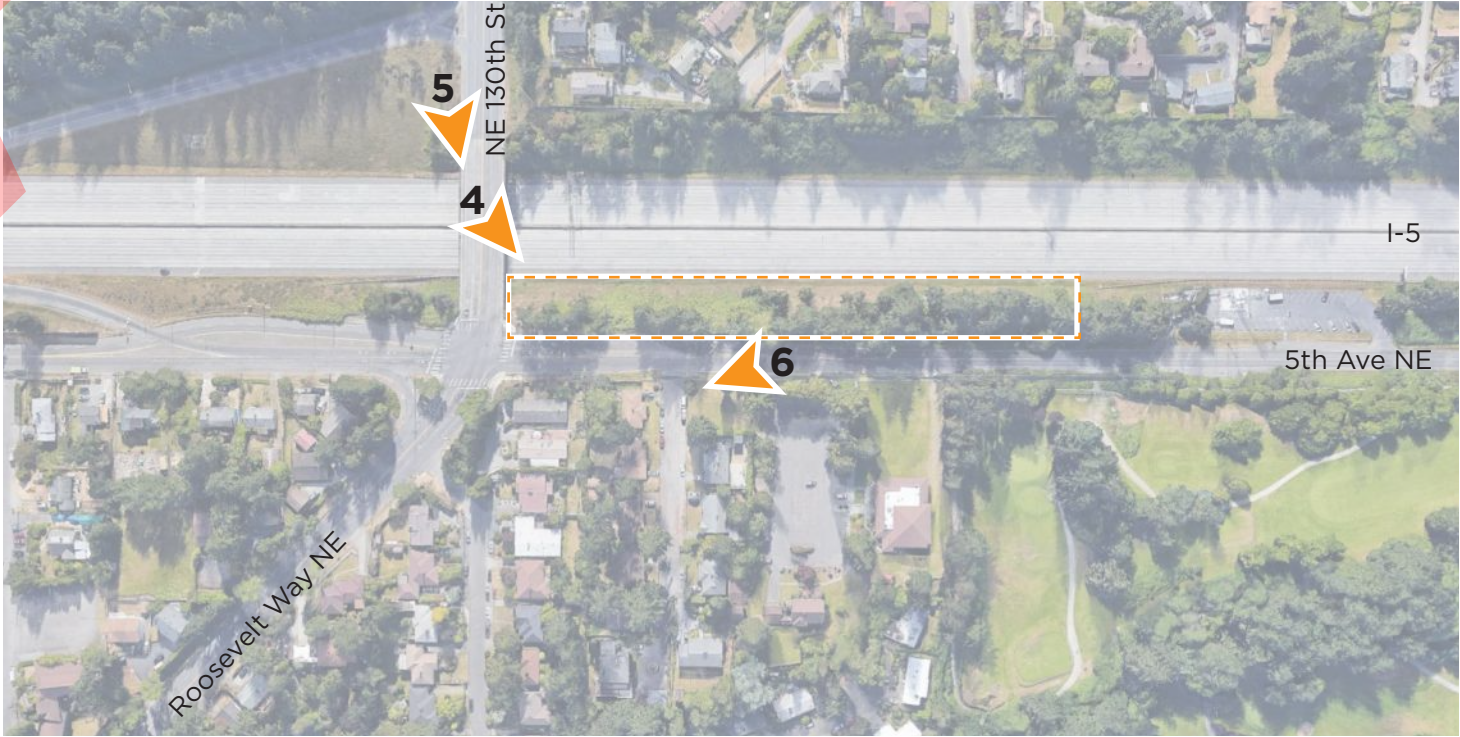
4. South site corner from NE 130th St Bridge



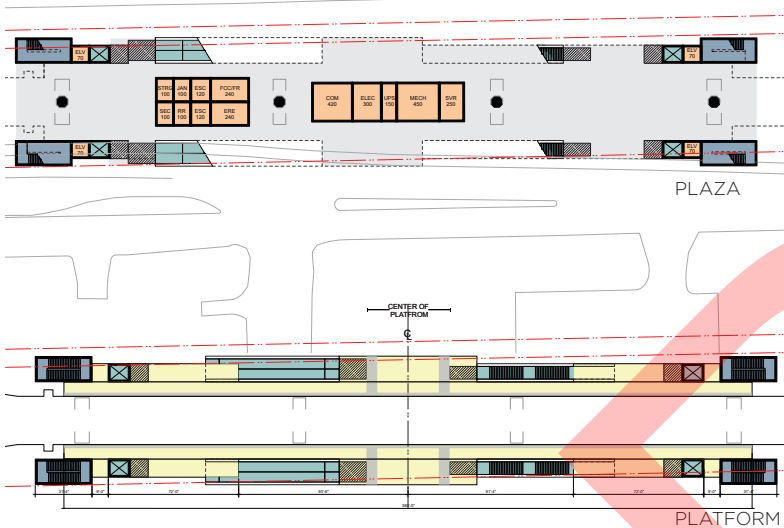
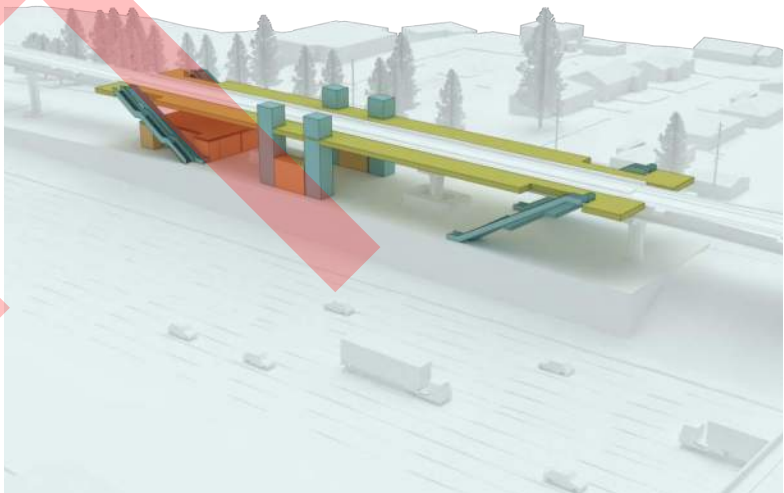
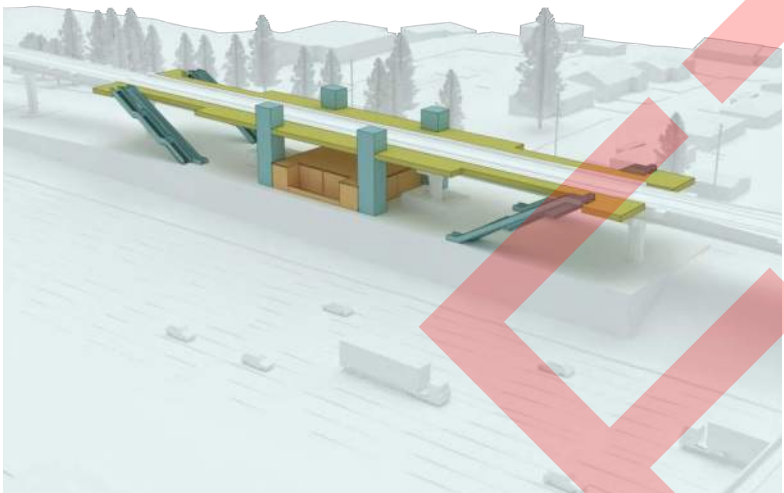
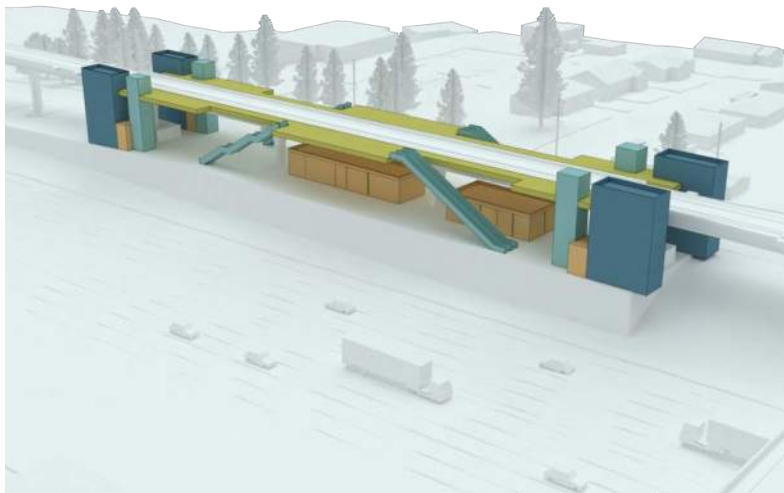
5. West of NE 130th St & 5th Ave NE intersection looking toward site



6. Single family residence near project site



Workshops & Early Design Options

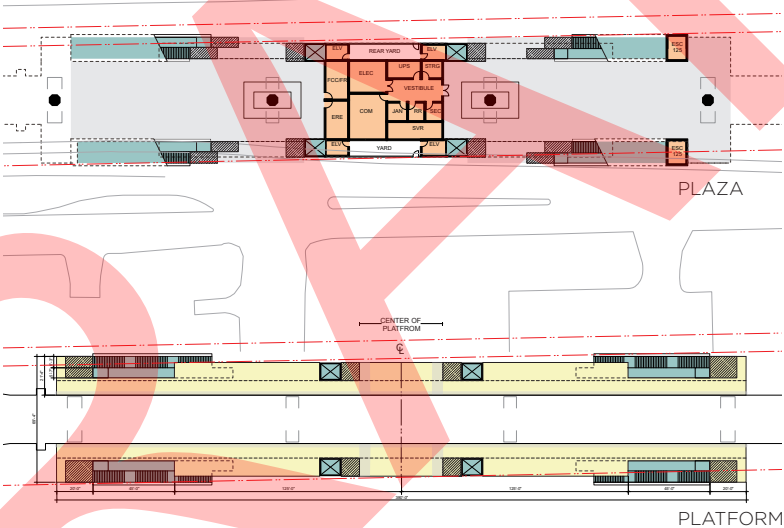


SCHEME A

2 BUILDINGS

SOUTH ENTRANCE
UP / ENTRANCE
ELEVATOR
EGRESS STAIR

NORTH ENTRANCE
PUBLIC STAIR
ELEVATOR
EGRESS STAIR

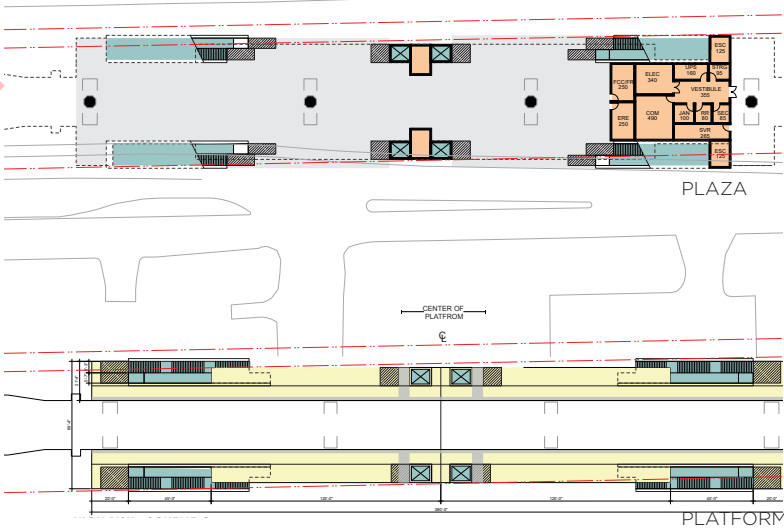


SCHEME B

1 BUILDINGS

SOUTH ENTRANCE
UP / ENTRANCE
ELEVATOR
PUBLIC / EGRESS STAIR

NORTH ENTRANCE
PUBLIC STAIR
ELEVATOR
EGRESS STAIR



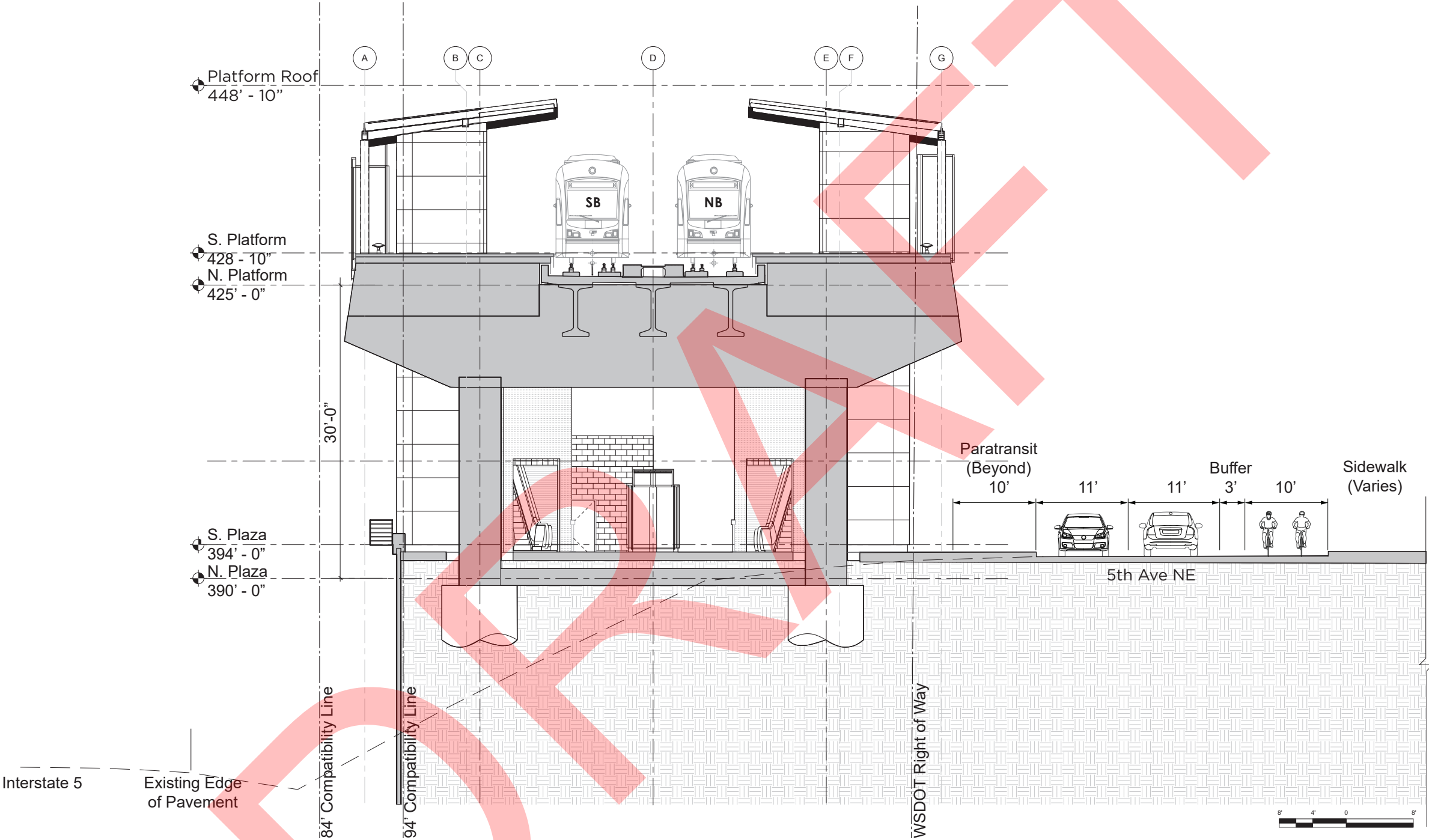
SCHEME C

1 BUILDING

CENTRAL ENTRANCE
UP ESCALATOR
PUBLIC / EGRESS STAIRS
ELEVATOR

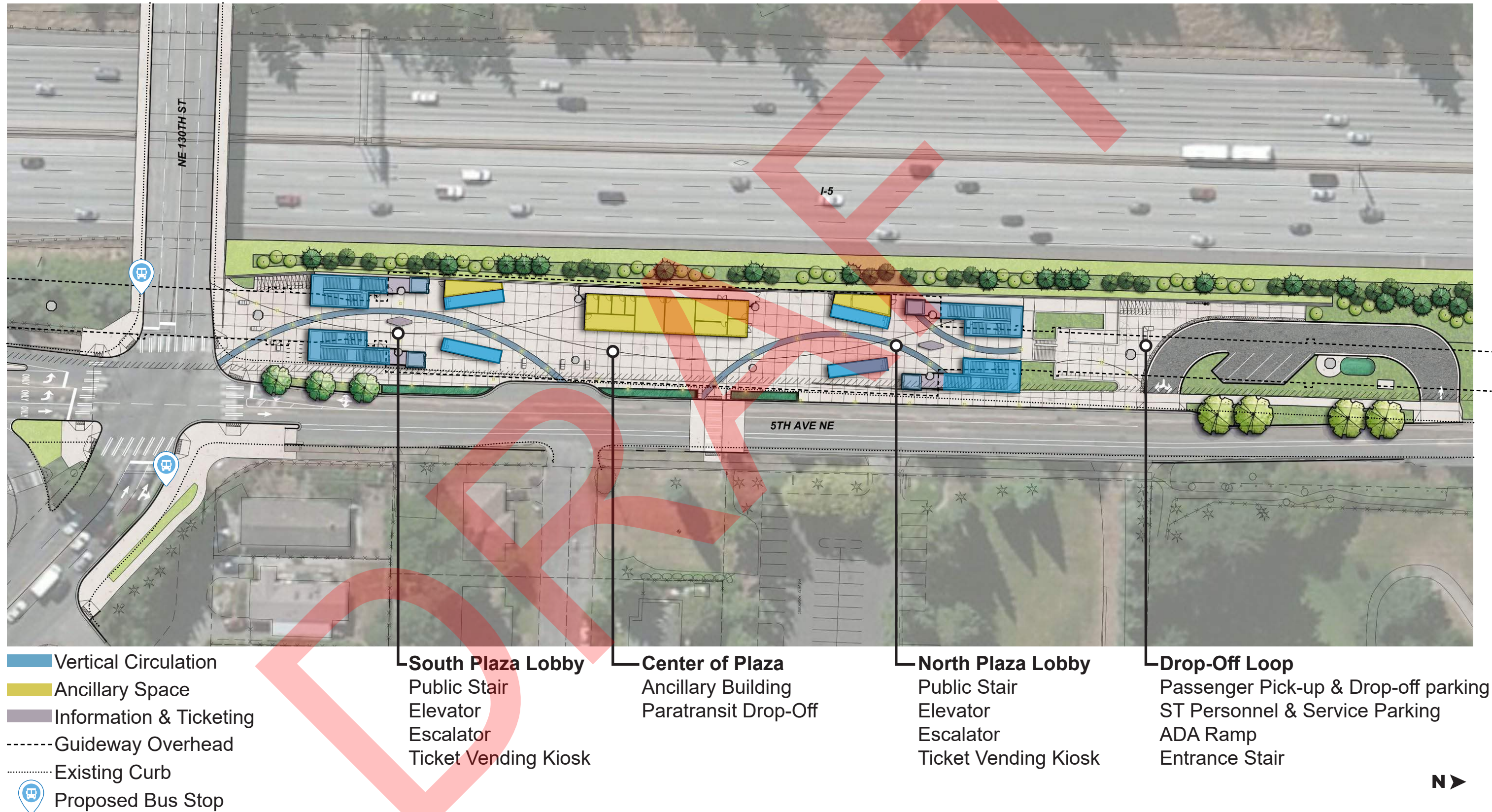


Workshop Summary & Constraints

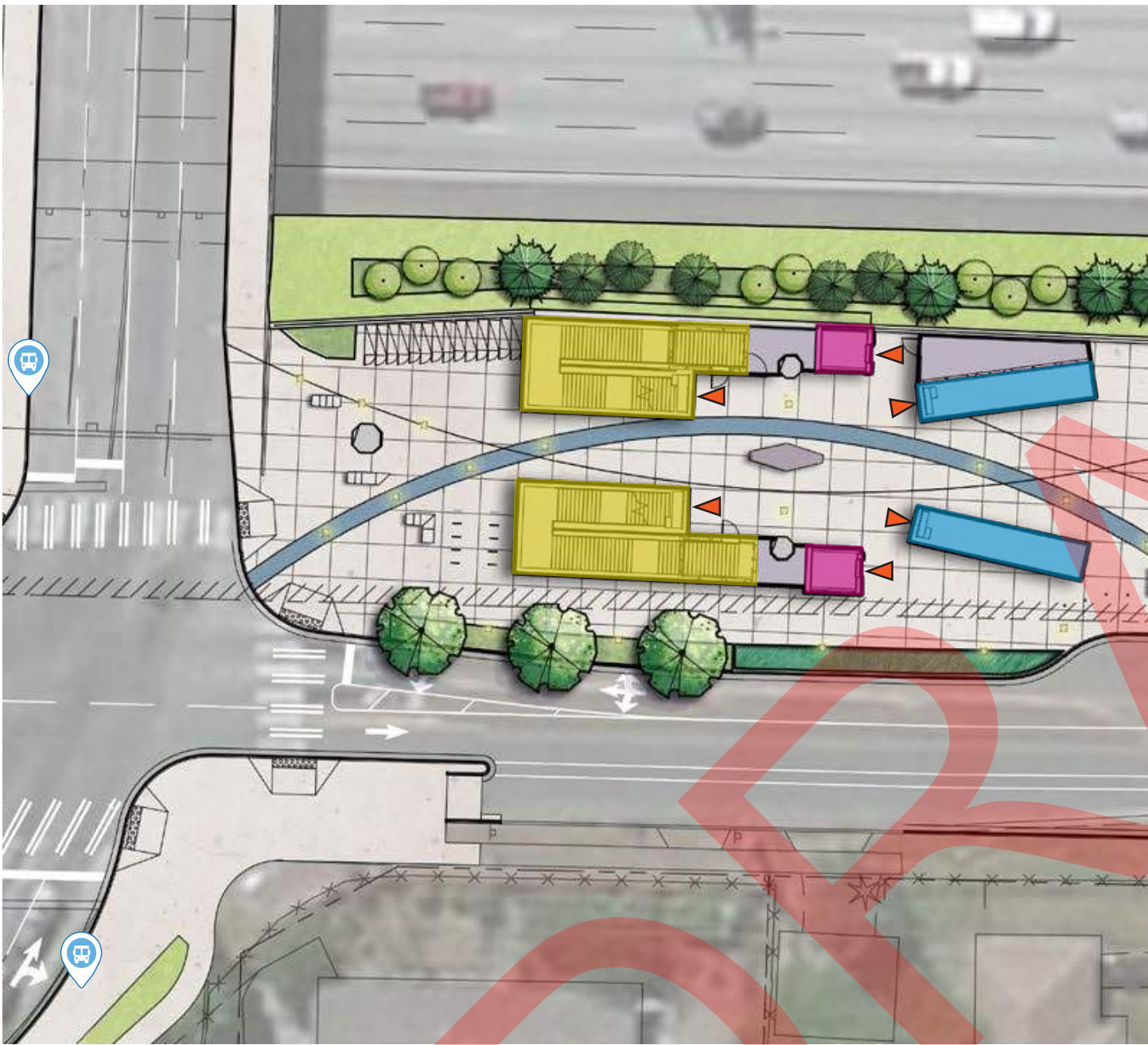


Design Concept

Station Components

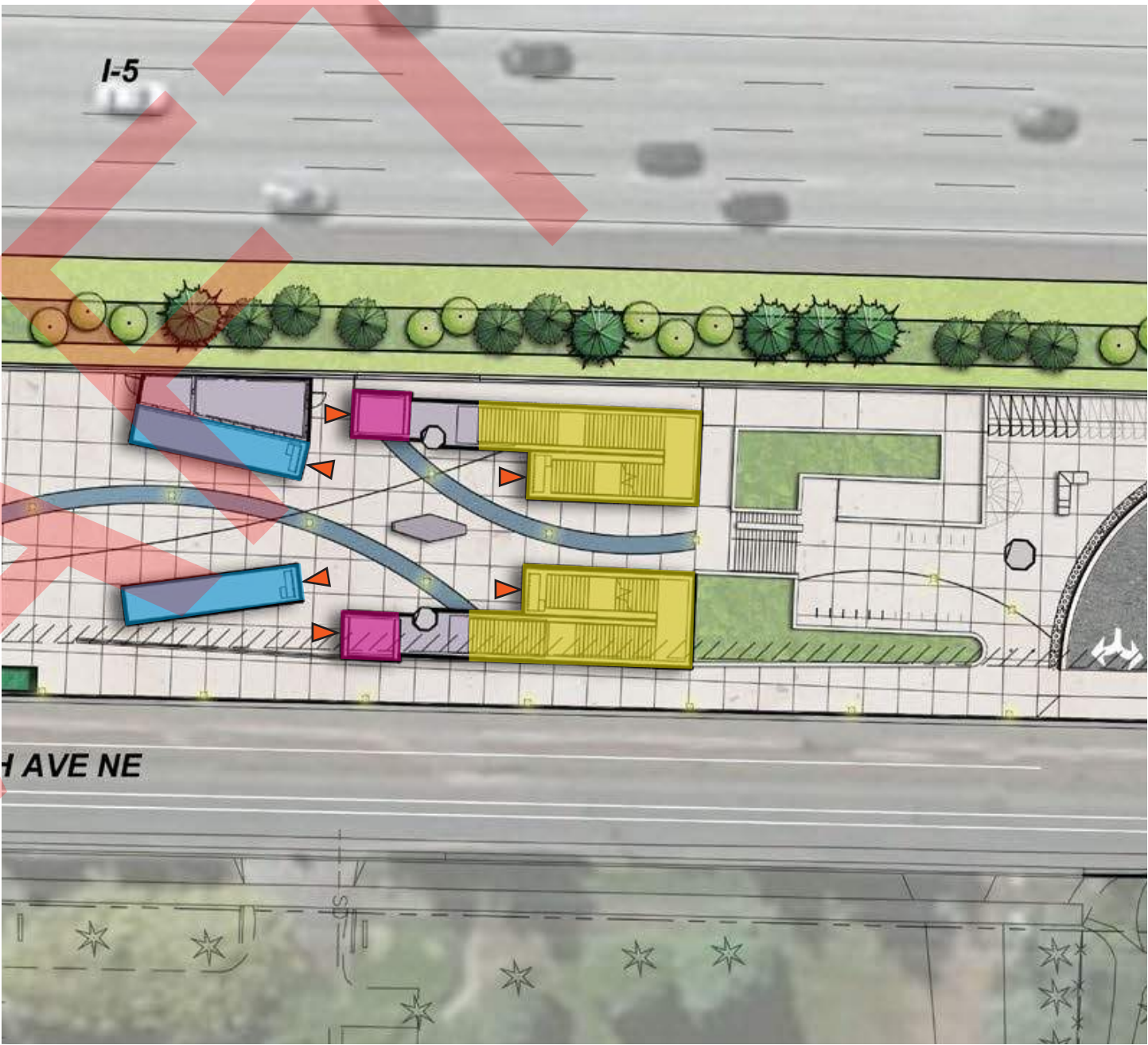


Enlarged Lobby Plans



- Stair
- Elevator
- Escalator
- Entrance
- Bus Stop

South Plaza Lobby



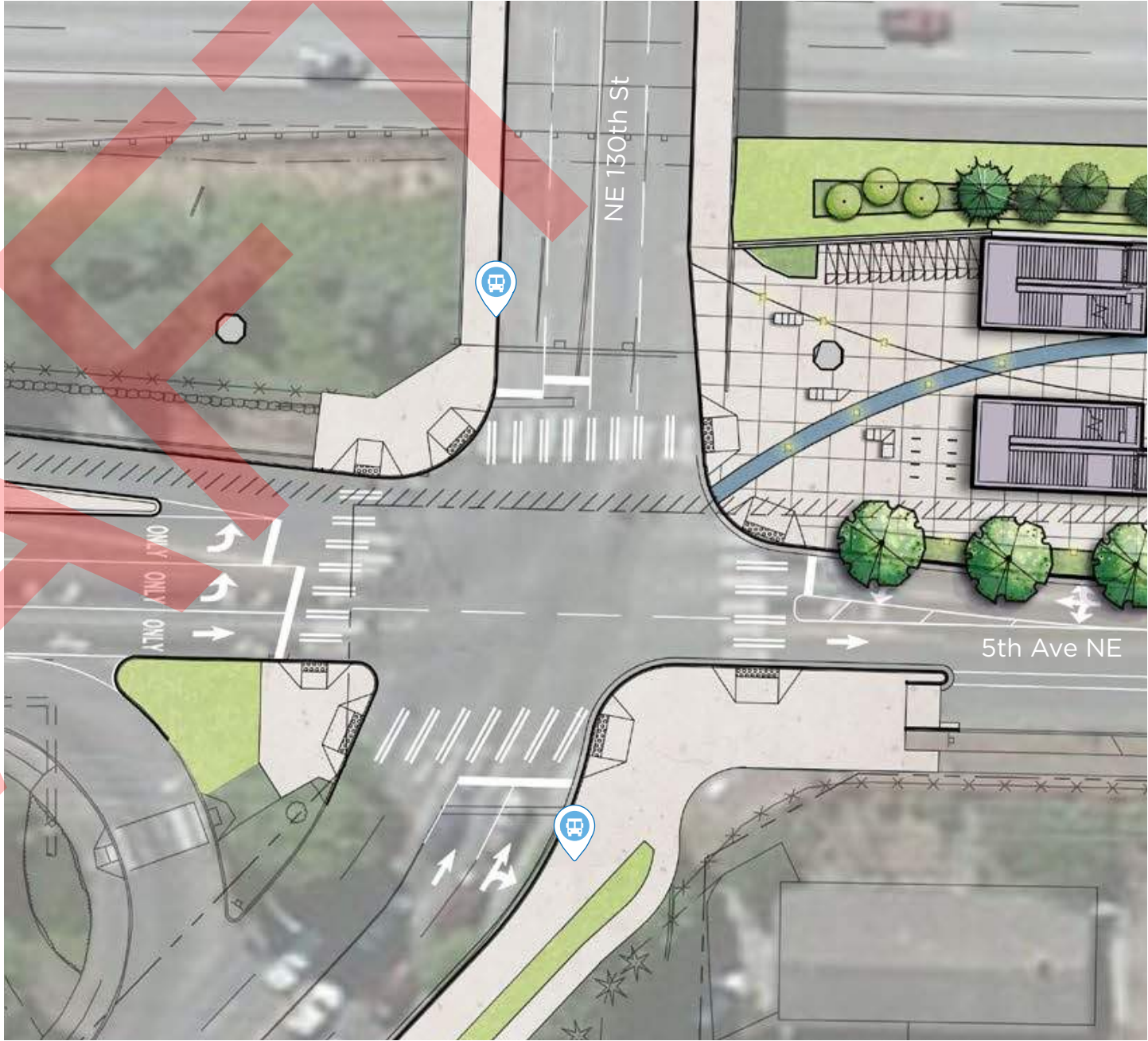
North Plaza Lobby



NE 130th & 5th Ave NE Intersection



Existing Channelization

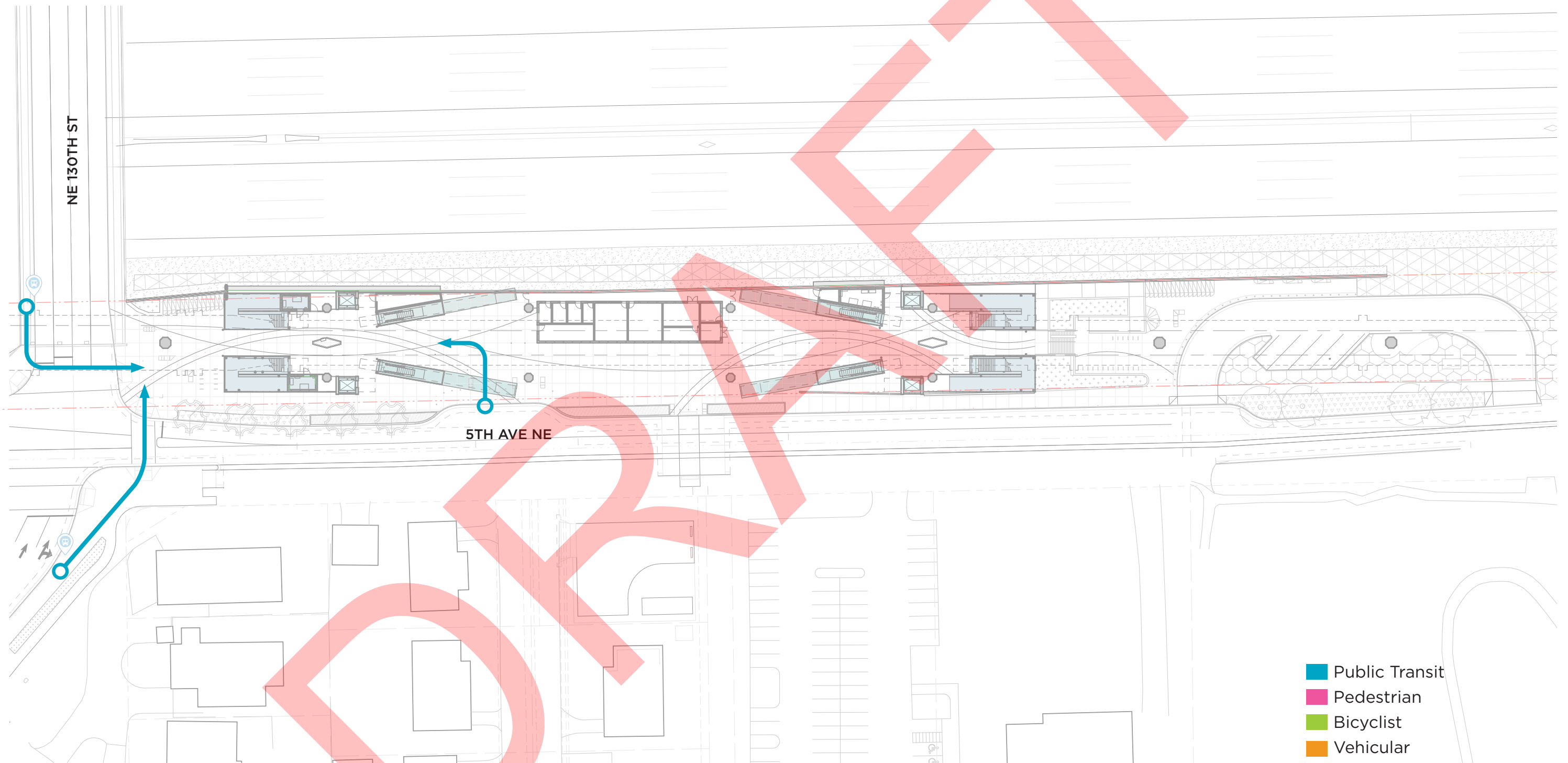


Proposed Channelization

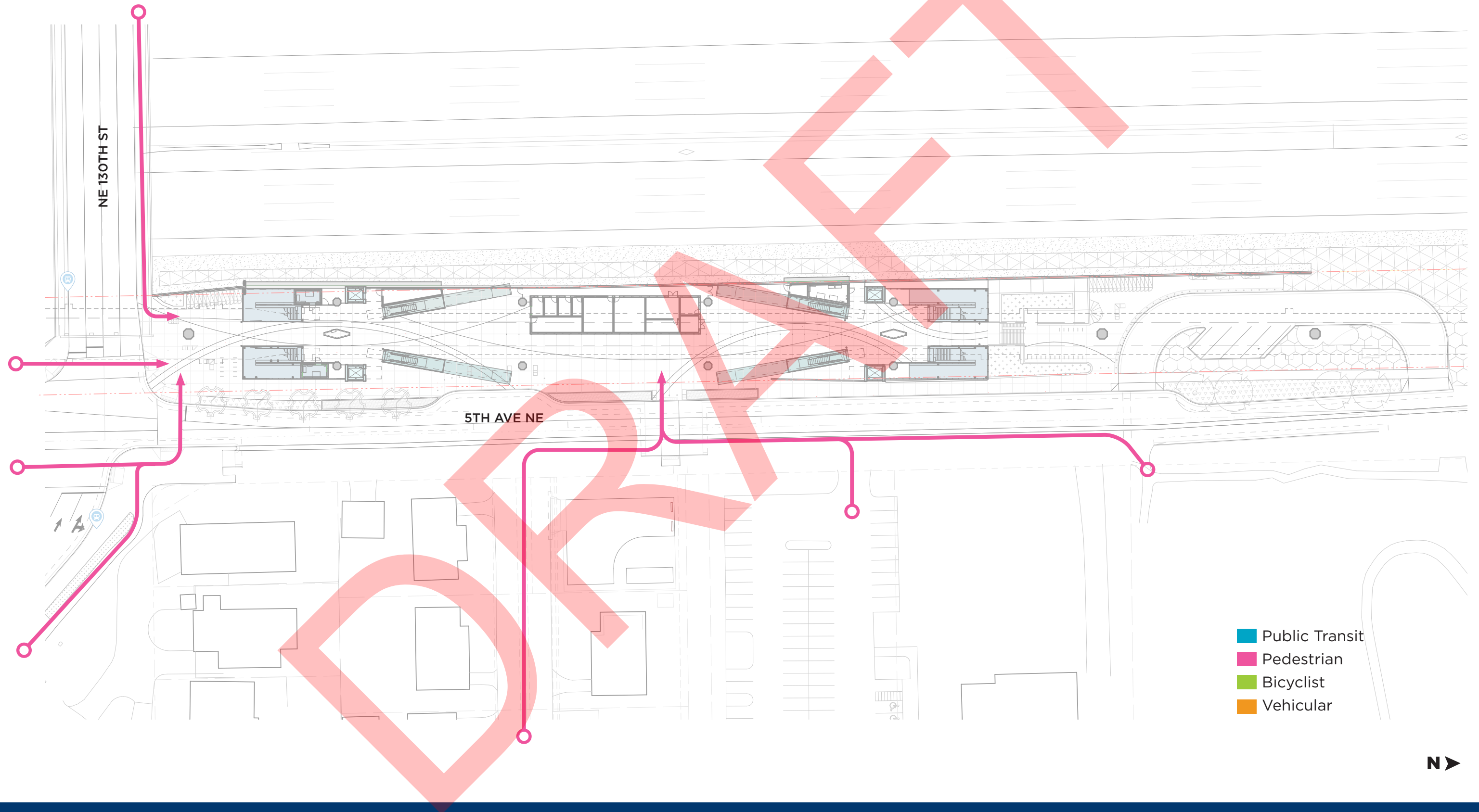
5th Ave NE to be one-way northbound after drop-off loop



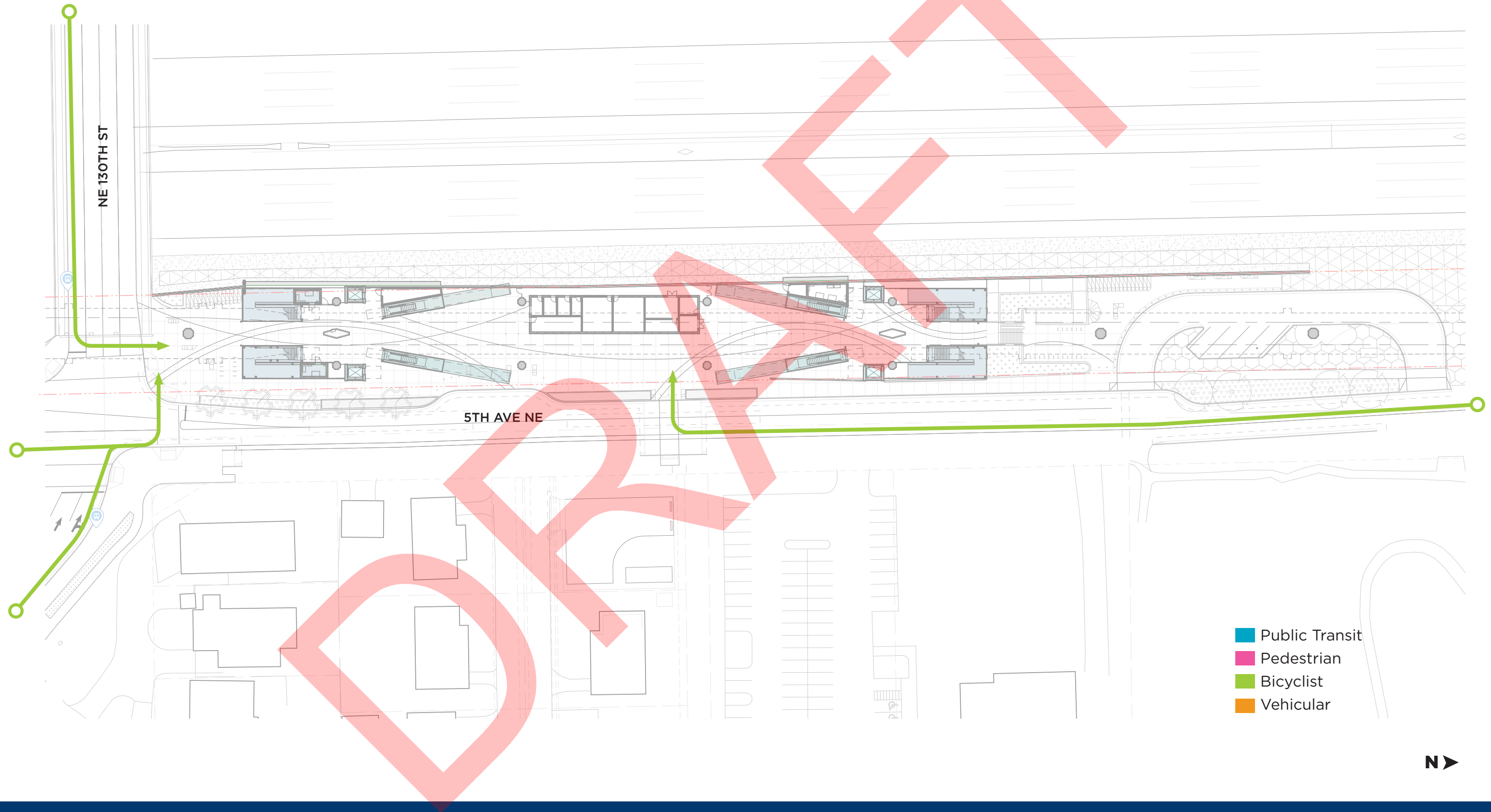
Site Access - Public Transit



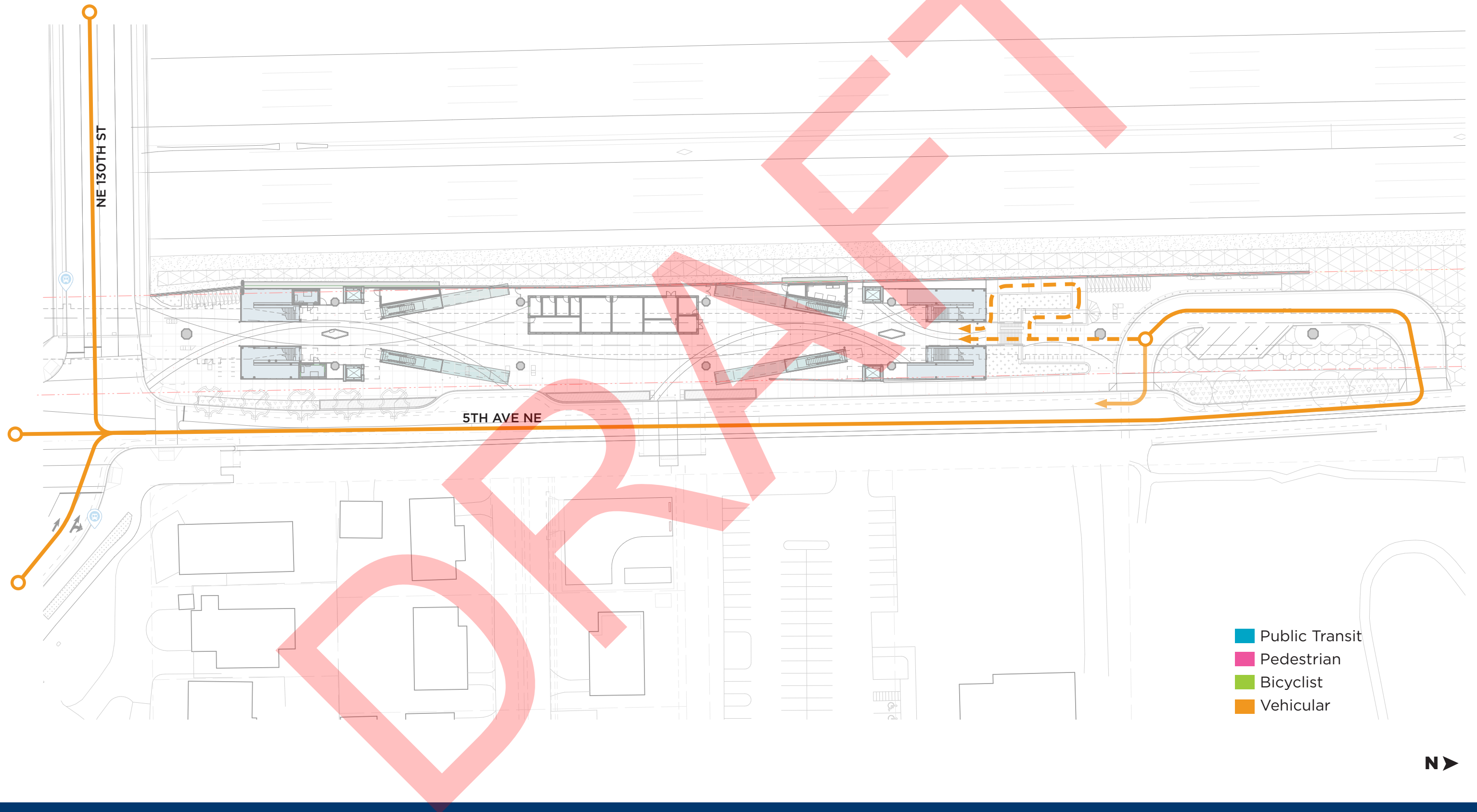
Site Access - Pedestrian



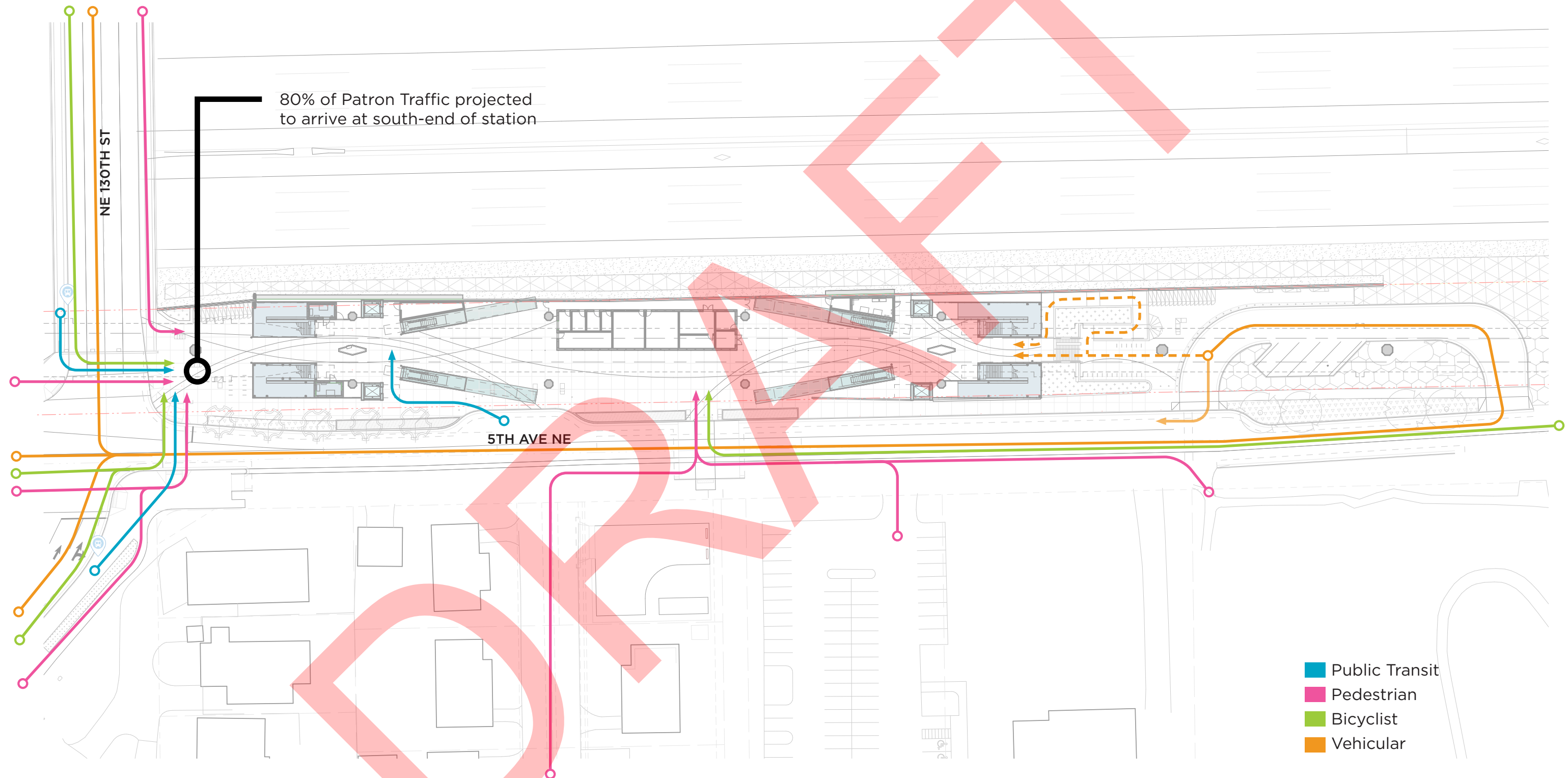
Site Access - Bicyclist



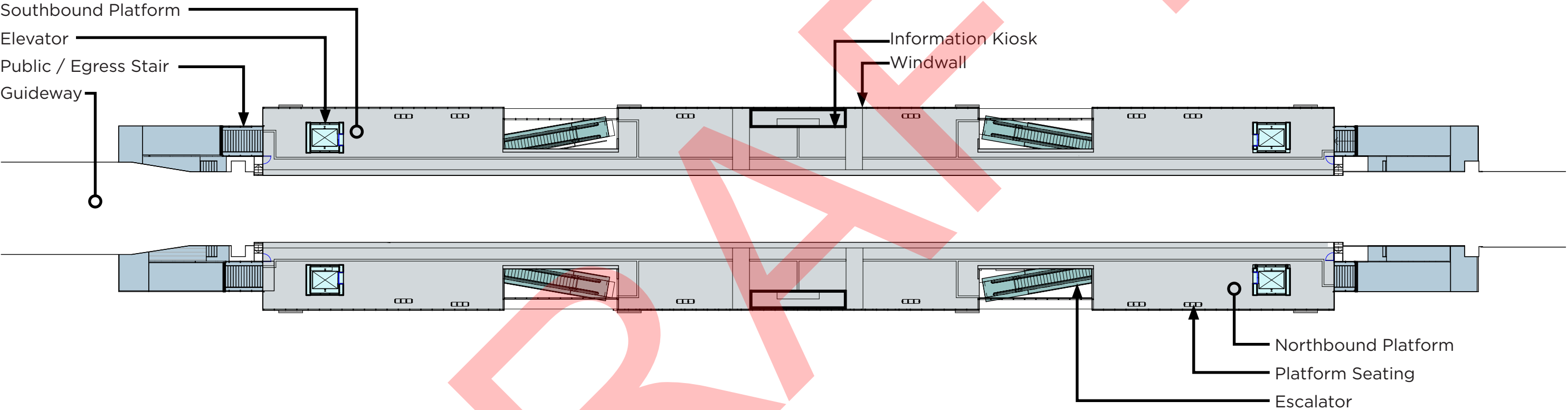
Site Access - Vehicular



Site Access

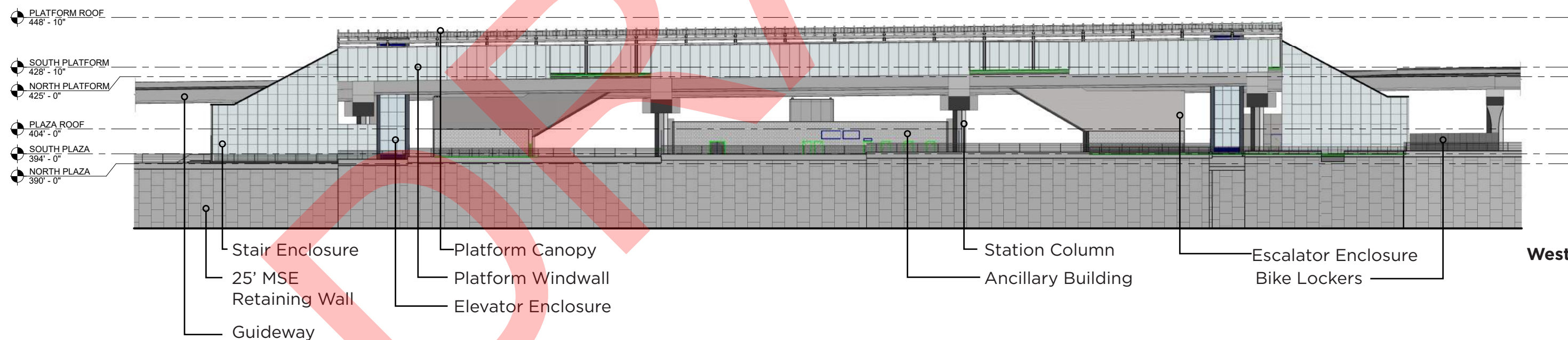
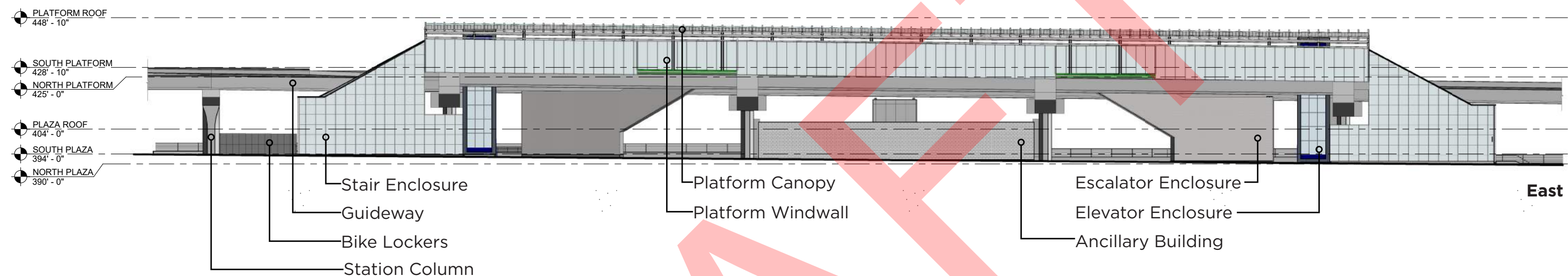


Platform Plan
















































































































































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Elevations



Sustainability

Targeting LEED
Transit Silver at
minimum

	LEED v4 for BD+C: Transit Project Checklist		
Y	?	N	
			Credit Integrative Process 1
0	0	0	Location and Transportation 18
			Credit Sensitive Land Protection 1
			Credit High Priority Site 2
			Credit Surrounding Density and Diverse Uses 6
			Credit Intermodal Connectivity and Placemaking 4
			Credit Bicycle Facilities 1
			Credit Reduced Parking Footprint 1
			Credit Green Vehicles 1
			Credit Disaster Preparedness Planning 1
			Credit Social Equity 1
0	0	0	Sustainable Sites 9
Y			Prereq Construction Activity Pollution Prevention Required
			Credit Site Assessment 1
			Credit Site Development - Protect or Restore Habitat 2
			Credit Rainwater Management 2
			Credit Heat Island Reduction 2
			Credit Light Pollution Reduction 1
			Credit Universal Accessibility 1
0	0	0	Water Efficiency 10
Y			Prereq Outdoor Water Use Reduction Required
Y			Prereq Indoor Water Use Reduction Required
Y			Prereq Building-Level Water Metering Required
			Credit Outdoor Water Use Reduction 1
			Credit Indoor Water Use Reduction 6
			Credit Cooling Tower Water Use 2
			Credit Water Metering 1
0	0	0	Energy and Atmosphere 33
Y			Prereq Fundamental Commissioning and Verification Required
Y			Prereq Minimum Energy Performance Required
Y			Prereq Energy Metering Required
Y			Prereq Fundamental Refrigerant Management Required
			Credit Enhanced Commissioning 5
			Credit Optimize Energy Performance 19
			Credit Advanced Energy Metering 1
			Credit Demand Response 2
			Credit Renewable Energy Production 3
			Credit Enhanced Refrigerant Management 1
			Credit Green Power and Carbon Offsets 2
0	0	0	Materials and Resources 13
Y			Prereq Storage and Collection of Recyclables Required
Y			Prereq Construction Demolition Waste and Excavation Management Planning Required
			Credit Station Life-Cycle Impact Reduction 4
			Credit Building Product Disclosure and Optimization - Environmental Product Declarations 2
			Credit Building Product Disclosure and Optimization - Sourcing of Raw Materials 2
			Credit Building Product Disclosure and Optimization - Material Ingredients 2
			Credit Durability in Material Selection, Design & Operation 1
			Credit Construction Demolition and Excavation Waste Management 2
0	0	0	Indoor Environmental Quality 16
Y			Prereq Minimum Indoor Air Quality Performance Required
Y			Prereq Environmental Tobacco Smoke Control Required
			Credit Enhanced Indoor Air Quality Strategies 3
			Credit Low-Emitting Materials 3
			Credit Construction Indoor Air Quality Management Plan 1
			Credit Indoor Air Quality Assessment 2
			Credit Thermal Comfort 1
			Credit Interior Lighting 1
			Credit Daylight 2
			Credit Quality Views 1
			Credit Acoustic Performance 2
0	0	0	Innovation 6
			Credit Innovation 5
			Credit LEED Accredited Professional 1
0	0	0	Regional Priority 4
			Credit Regional Priority: Specific Credit 1
			Credit Regional Priority: Specific Credit 1
			Credit Regional Priority: Specific Credit 1
			Credit Regional Priority: Specific Credit 1
0	0	0	TOTALS Possible Points: 110
Certified: 40 to 49 points, Silver: 50 to 59 points, Gold: 60 to 79 points, Platinum: 80 to 110			

View from 5th Avenue NE



Potential Artwork Location



Art mural at center of station facing 5th Ave NE

View from NE 130th Street Bridge



View from Plaza Lobby



Potential Artwork Location

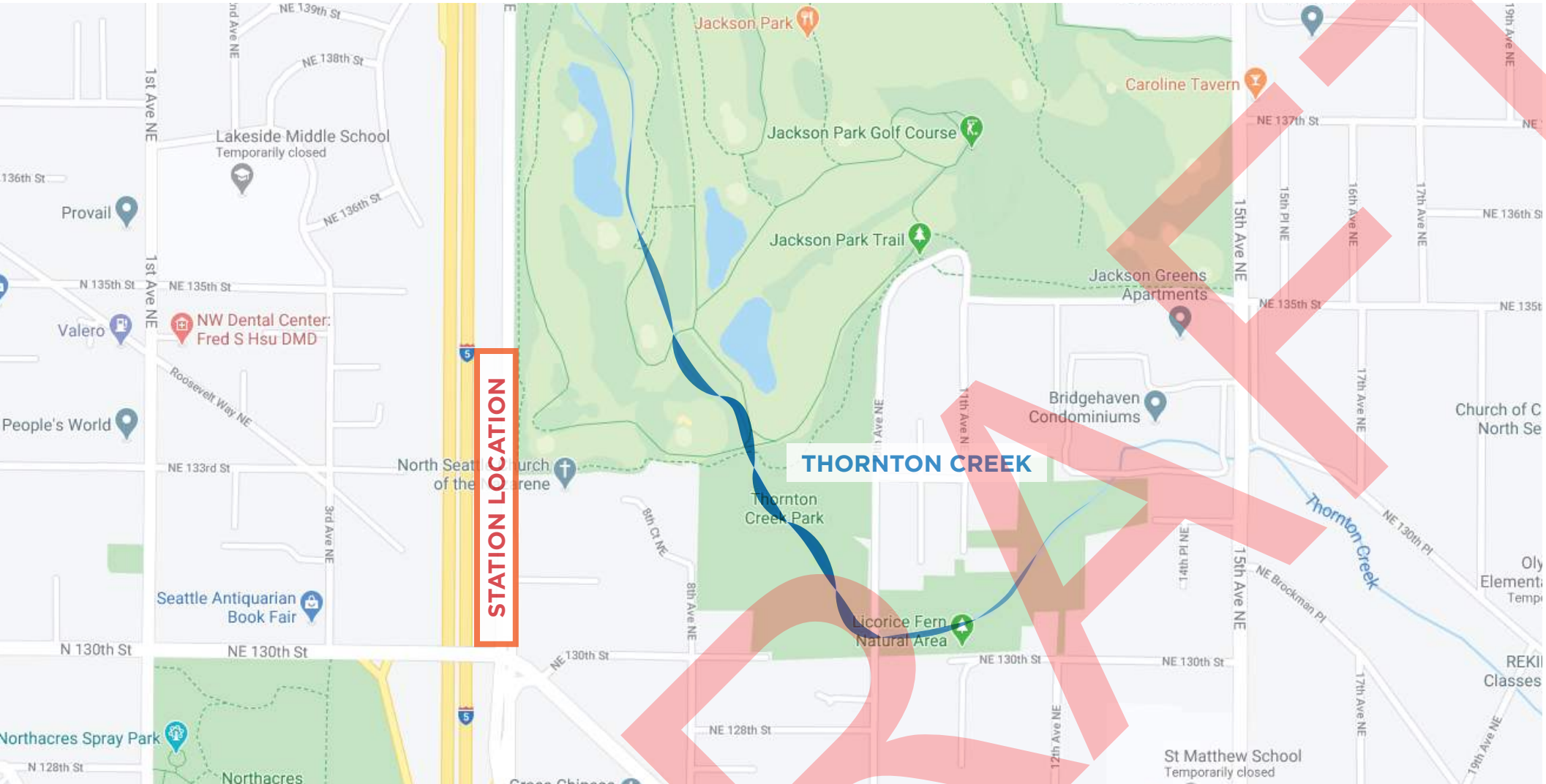


Suspended artwork located at both south & north lobbies (Potentially internally lit)

View From Southbound Platform



Inspired by Nature



Form inspiration

- Thornton Creek stream meandering
- Intersecting arc geometry

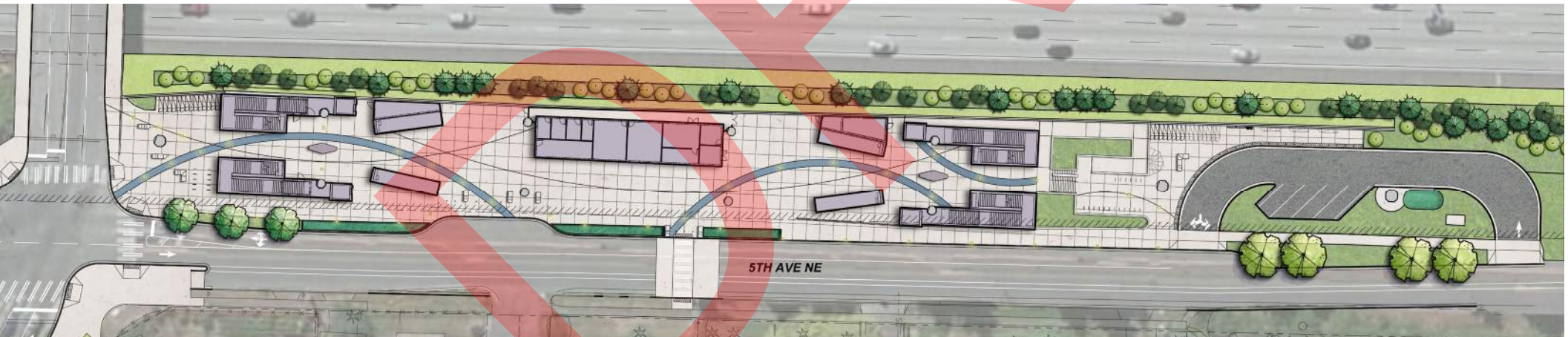
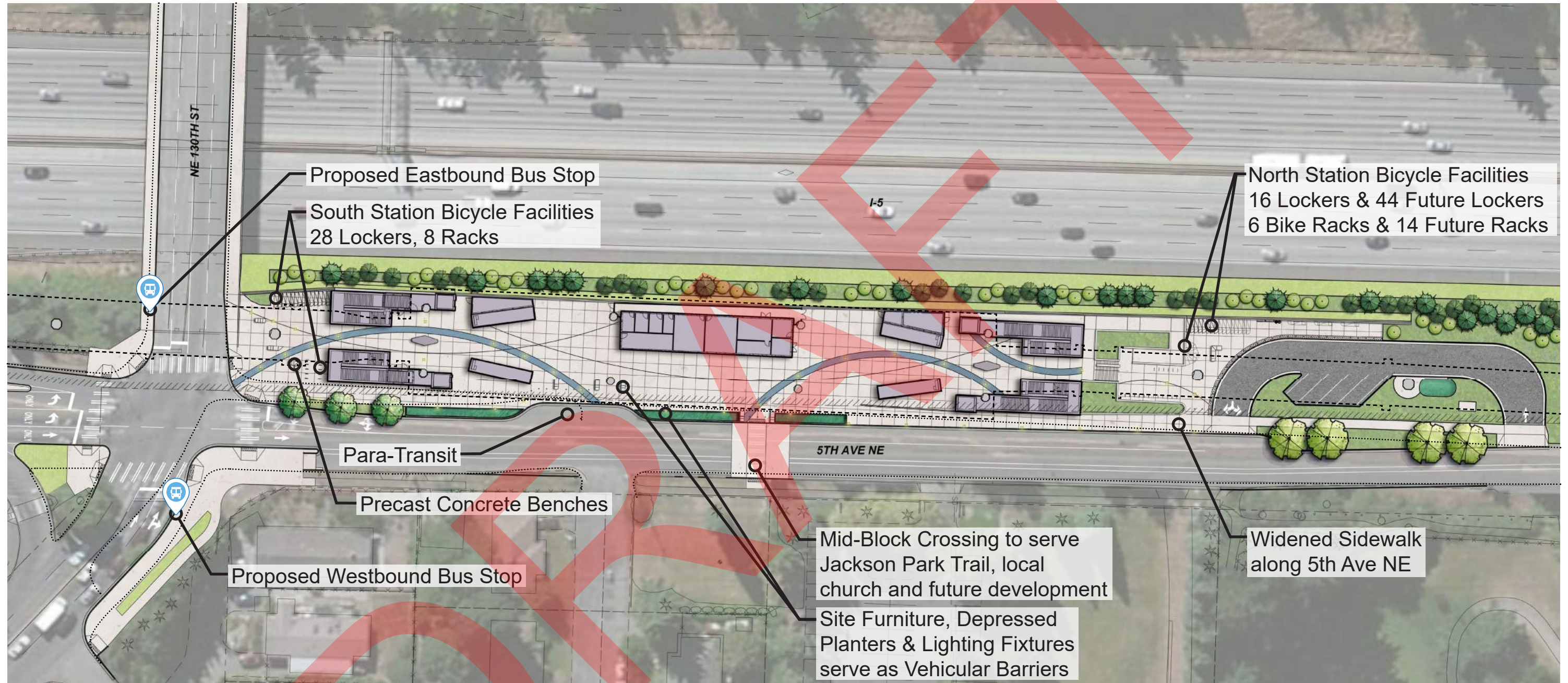


photo: thorntoncreekalliance.info

Site Improvements



----- Guideway Overhead
 Existing Curb



Site Palette

SEATING & SITE FURNITURE



PAVING & STEPS



LIGHTING

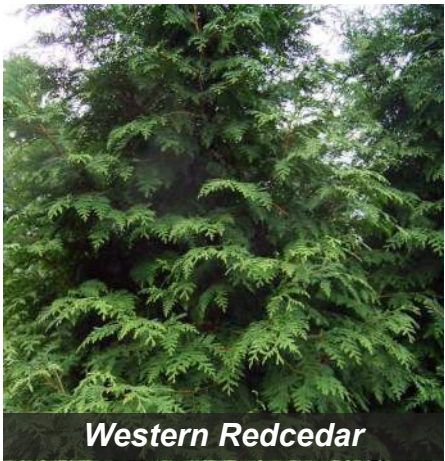


BICYCLE LOCKERS



Plant Palette

TREES



Western Redcedar



Vanderwolf Pine



Metro Gold Hedge Maple



Pacific Sunset Maple

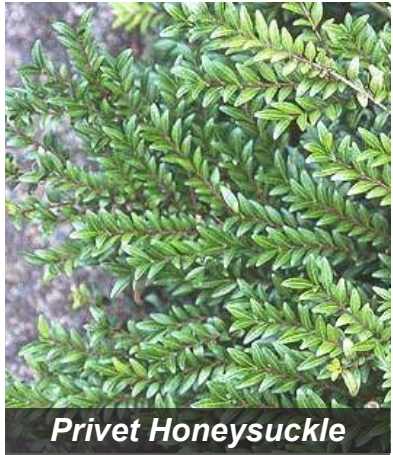


Bowhall Maple

STREETSCAPE



Sword Fern



Privet Honeysuckle



Epimedium

STATION PLAZA



Low Oregon Grape



Sword Fern



Snowberry



Salal



Inside-Out Flower

MIX B



Baldhip Rose



Red Twig Dogwood



Thimbleberry



Snowberry



Low Oregon Grape

5TH AVE



Soft Rush



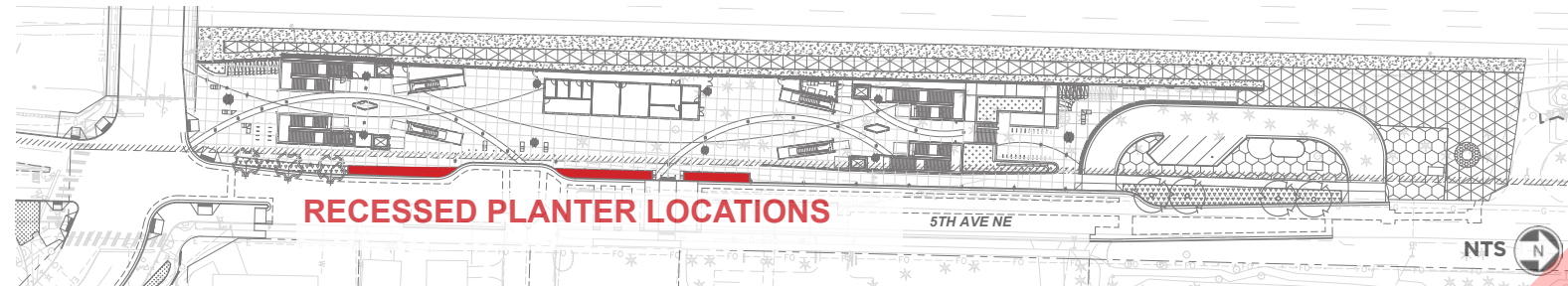
White Spirea



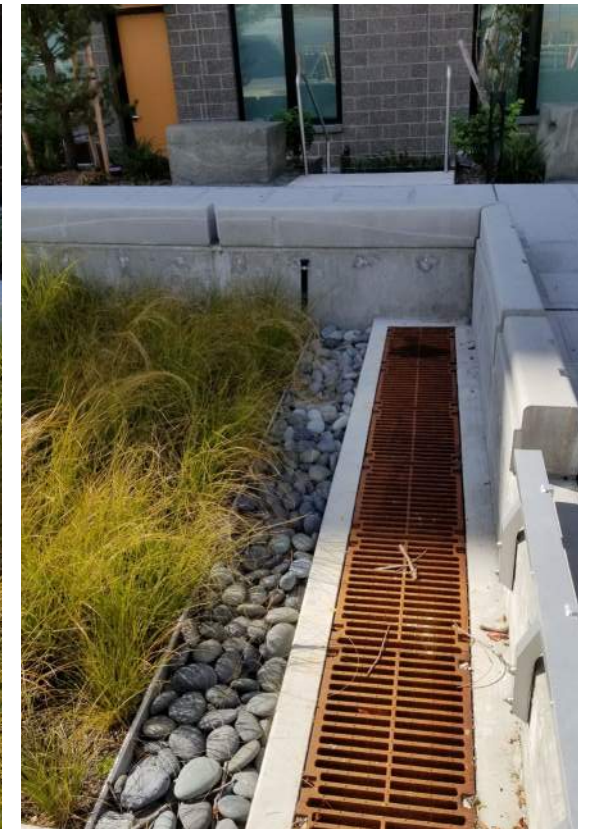
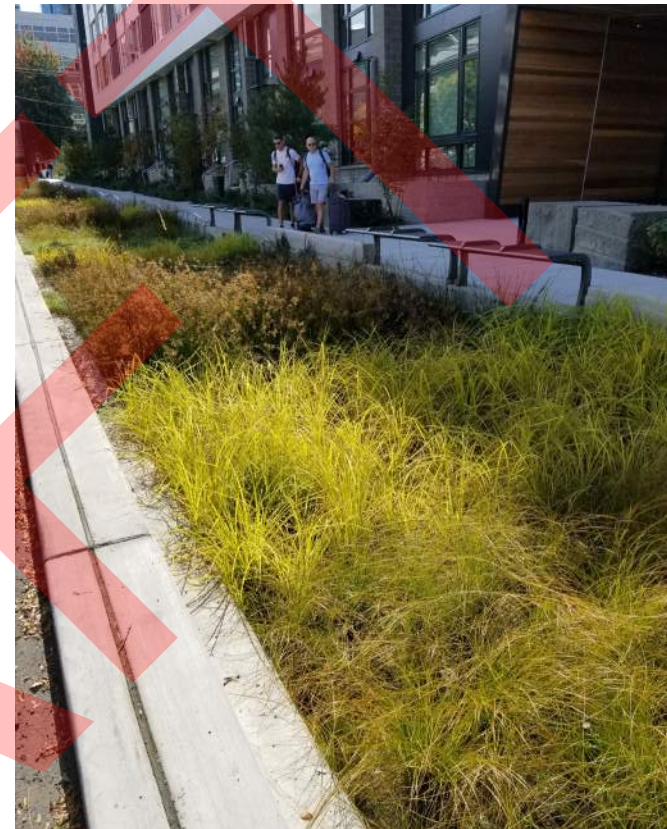
Sword Fern

Site Drainage

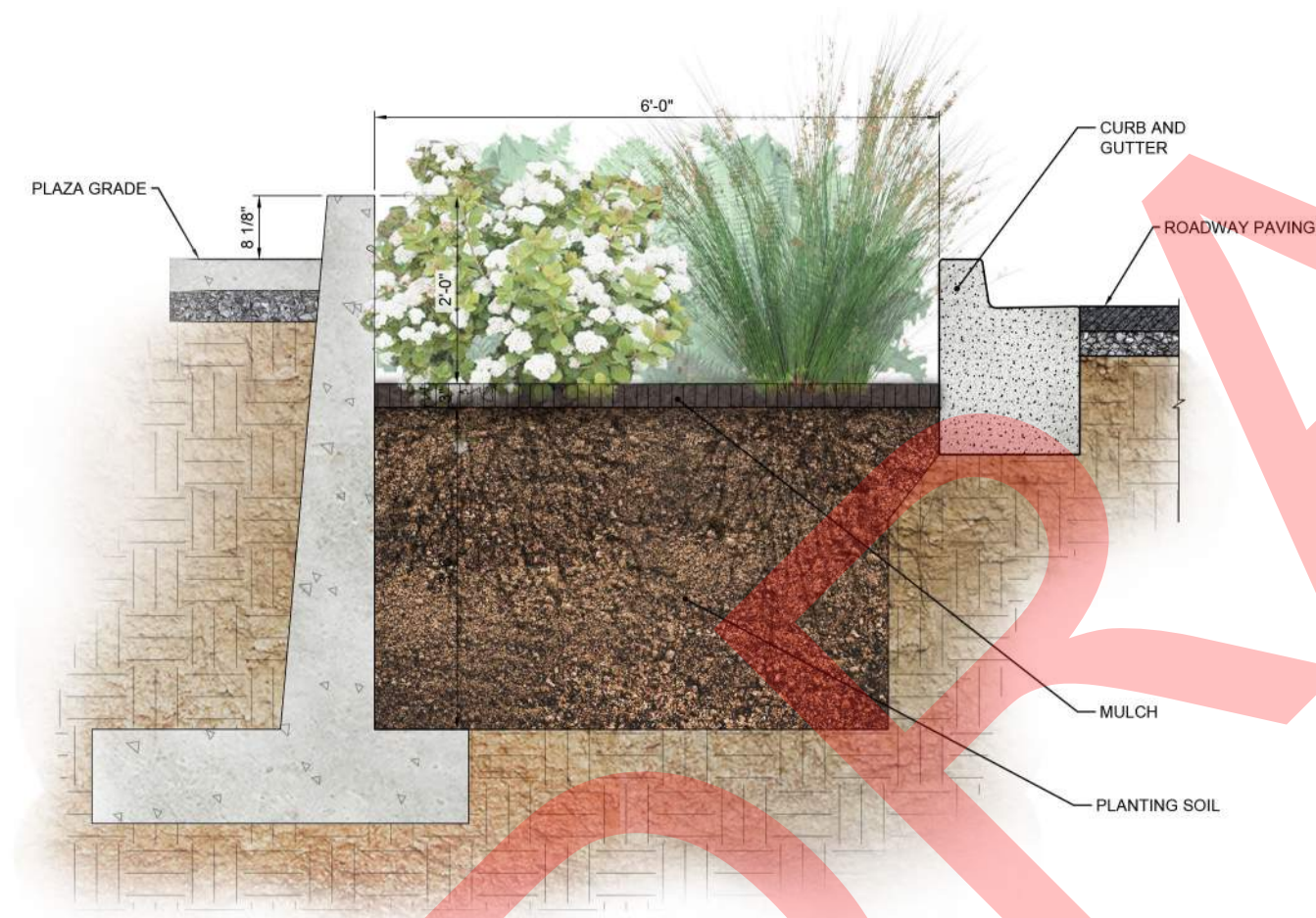
KEY PLAN



CHARACTER IMAGES



RECESSED PLANTER SECTION



Multi-functional planters

- Vehicular barrier
- Bioretention planting



Questions & Comments

Thank you.



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