Northgate Station Update
Light Rail Review Panel Briefing
May 16, 2013

King County

SOUNDTRANSIT

Northgate Station Update

- LRRP reviewed 60% design in Nov.
- Significant progress made with partner agency staff to advance Northgate Station design work
- UDF update
- TOD plans update
- I-5 bridge and cycle track update

Northgate – Prior ST Board Actions

- Northgate Link project was baselined in June 2012
- Key components of Board action for Northgate included:
  - endorsement of integrated access plan
  - approved Motion No. M2012-42 which requested access study and committed $10m contribution for I-5 pedestrian bridge and other ped and bike improvements (matched by City of Seattle)
  - parking mitigation plan to construct shared-use parking garage
    - replaces displaced park-and-ride and mall customer parking
    - allows KCM to develop surface lots into TOD sites

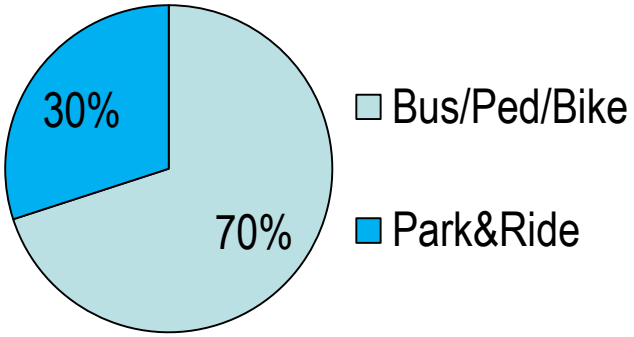
Northgate Station – Integrated Access Plan

Goal: improve access to Northgate Station by all modes

- Integrated access modes include:
  - Link rail system
  - pedestrian and bike access
  - Metro and ST bus service
  - future TOD project connections
  - passenger drop-off and pick-up zones
  - park-and-ride facilities

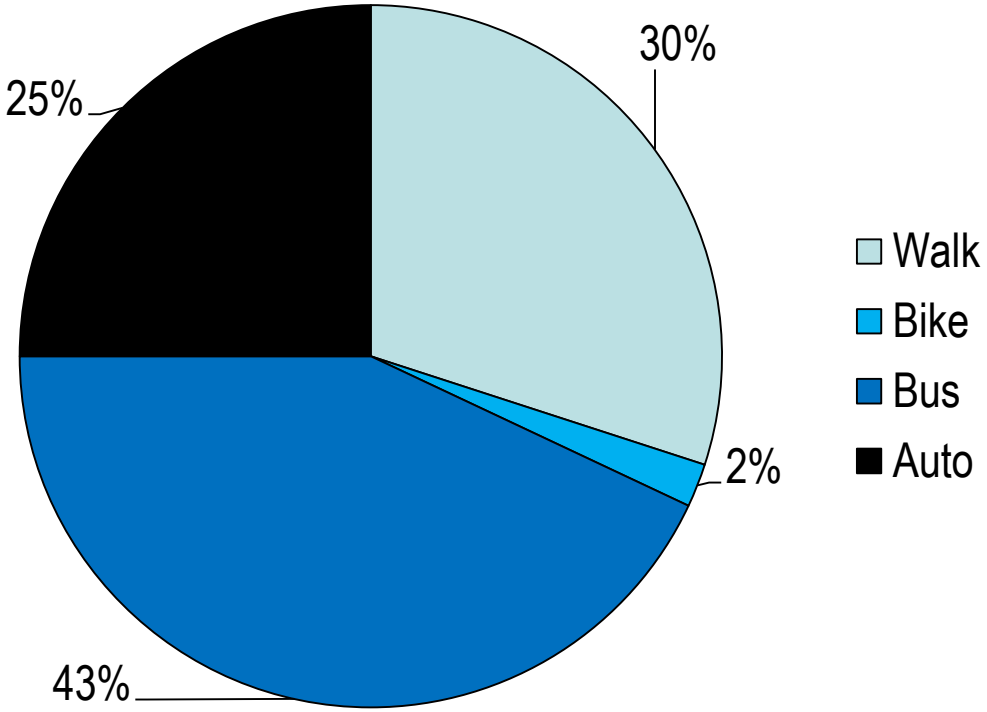
Large Ridership Growth at Northgate

2012 Access Modes



Based on 2012 KCM rider data analysis – **5,000 daily boardings** at Northgate Transit Center

2030 Access Modes

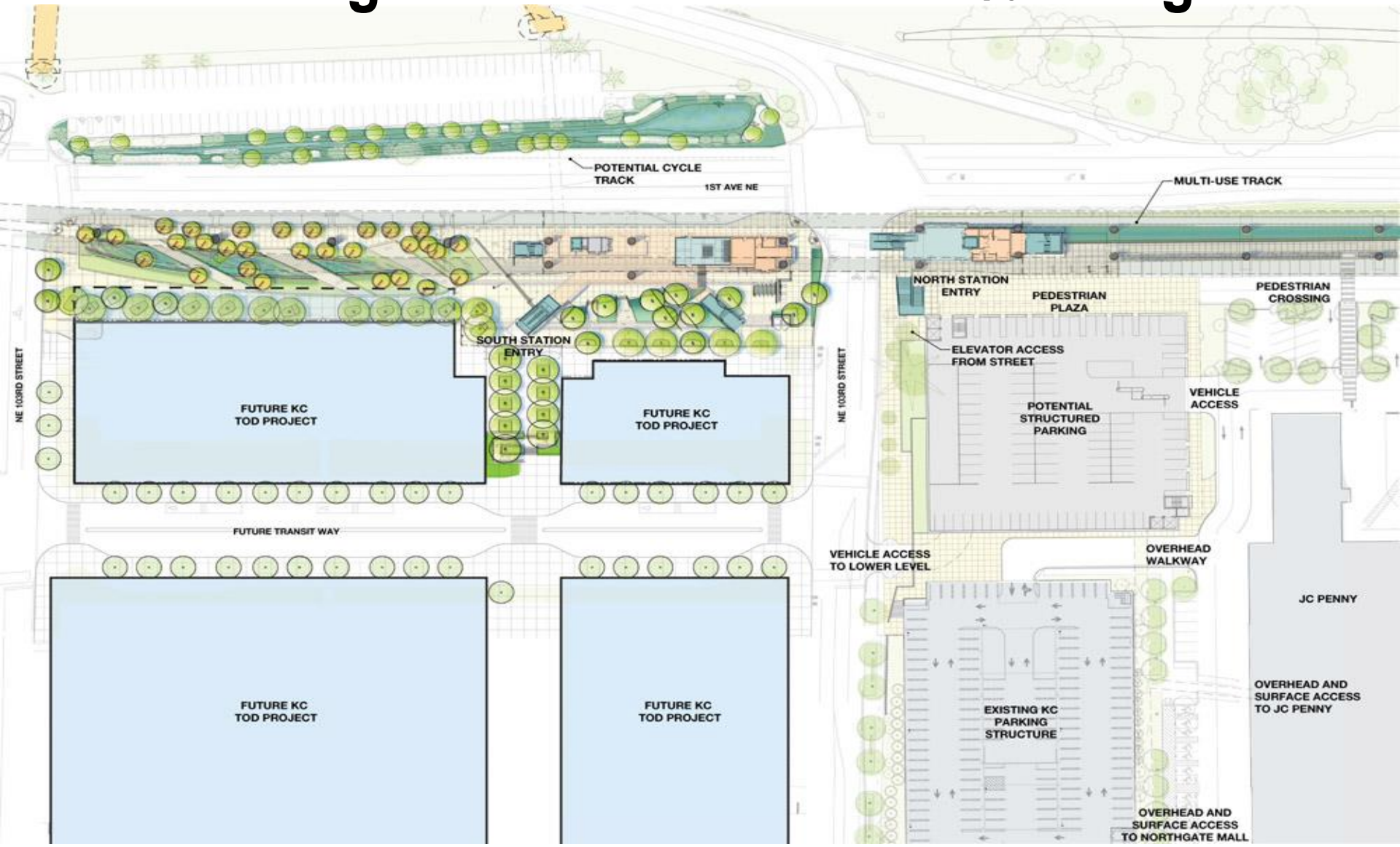


Based on 2030 ridership forecast of **15,000 daily boardings** at Northgate Station, PM peak period access data

Northgate Executive Steering Committee

- Committee of senior managers from KCM, City of Seattle, and ST formed in 2011 to offer guidance on Northgate issues:
  - ST station design and construction issues
  - KCM Transit Center redesign plans
  - HUD Sustainable Communities grant activities including urban design study and KCM TOD plans
- Goals of Committee:
  - fully integrated inter-modal transit facilities
  - timely implementation of TOD plans
  - maintain/achieve ridership goals during and after station and TOD development

Northgate Station - Initial 60% Design



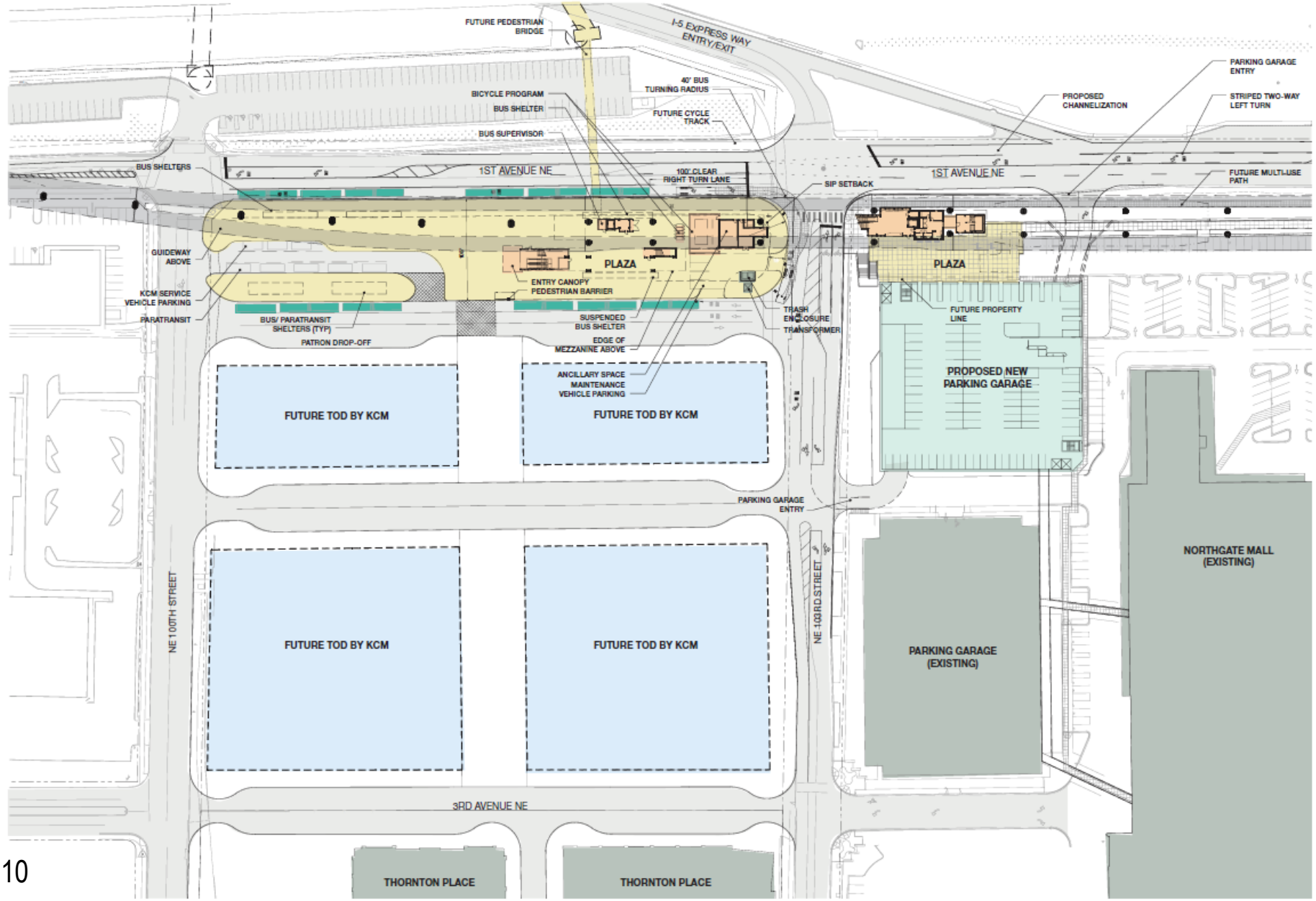
Northgate Station Design Update

- ST suspended design on Northgate Station to work through TOD site, transit operation and traffic issues with KCM, City and WSDOT staff
- Staff and consultants held design workshop on March 13th and other follow-on work sessions to resolve issues
- Steering Committee endorsed design and traffic solutions at April 1st meeting
- ST design team restarted work in preparation for May design review meetings

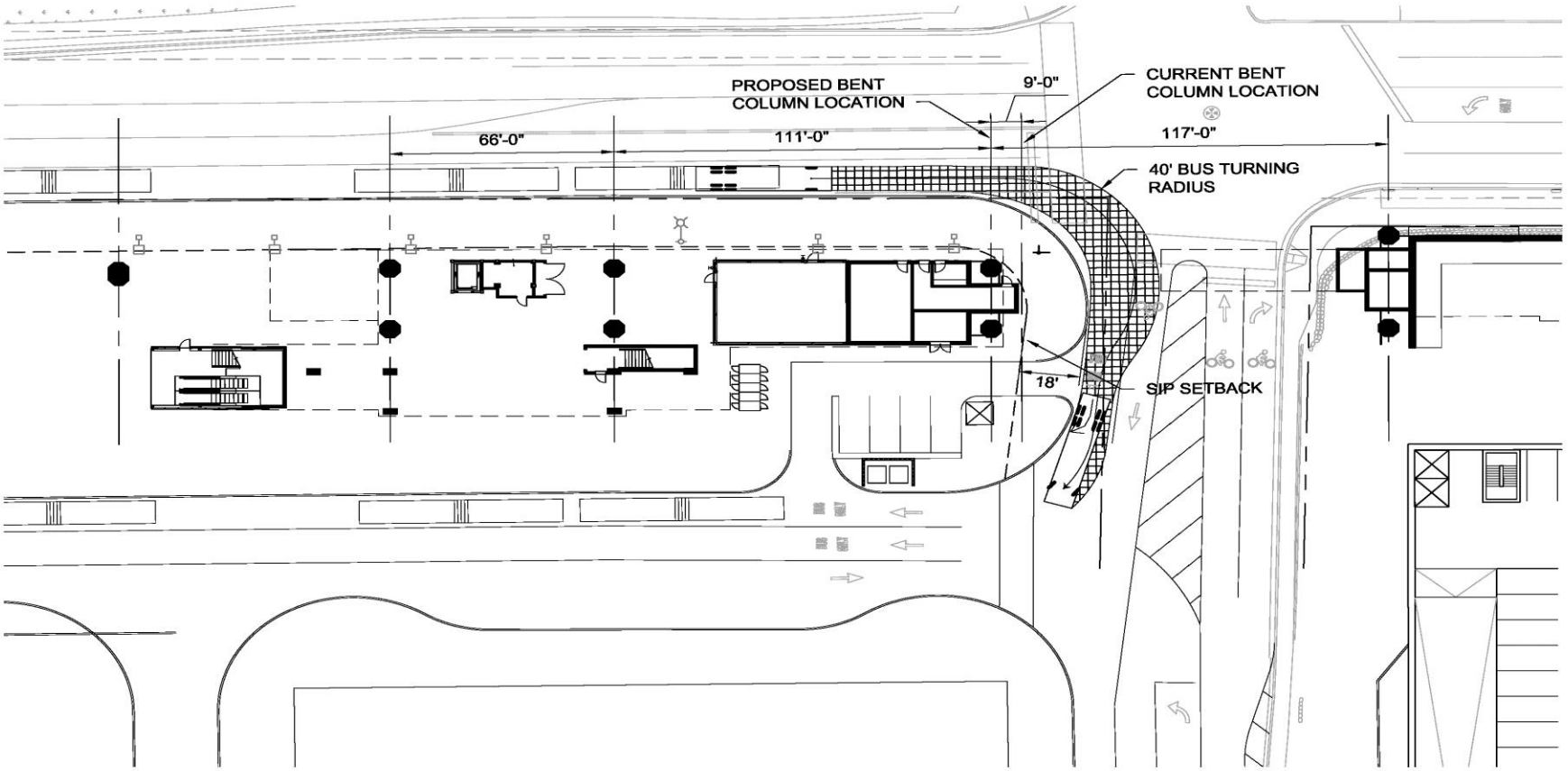
Issues Addressed

- Bus turning movements at north end of Transit Island
- 1st Avenue design and capacity
- Southbound transit street design and operation
- Access to joint use parking garage
- Work focus:
  - address pedestrian/bike safety concerns
  - improve intersection traffic operations to ensure more reliable bus operations

Northgate Station – New Concept



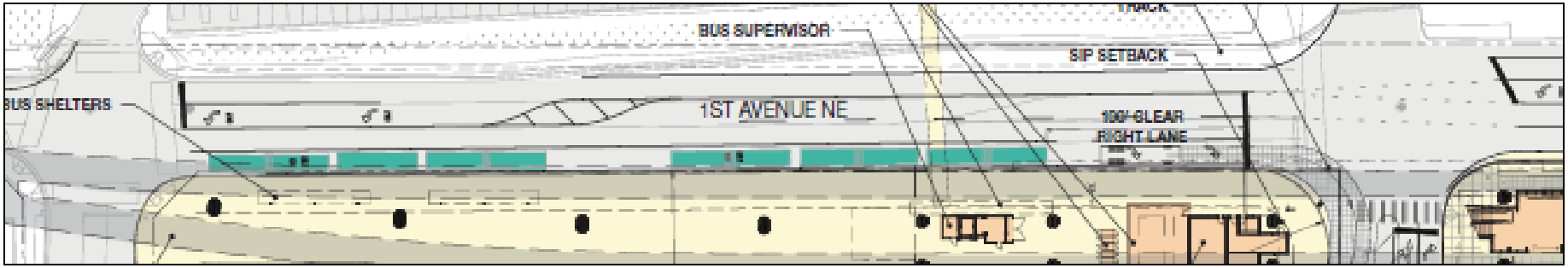
Transit Island North End Geometry



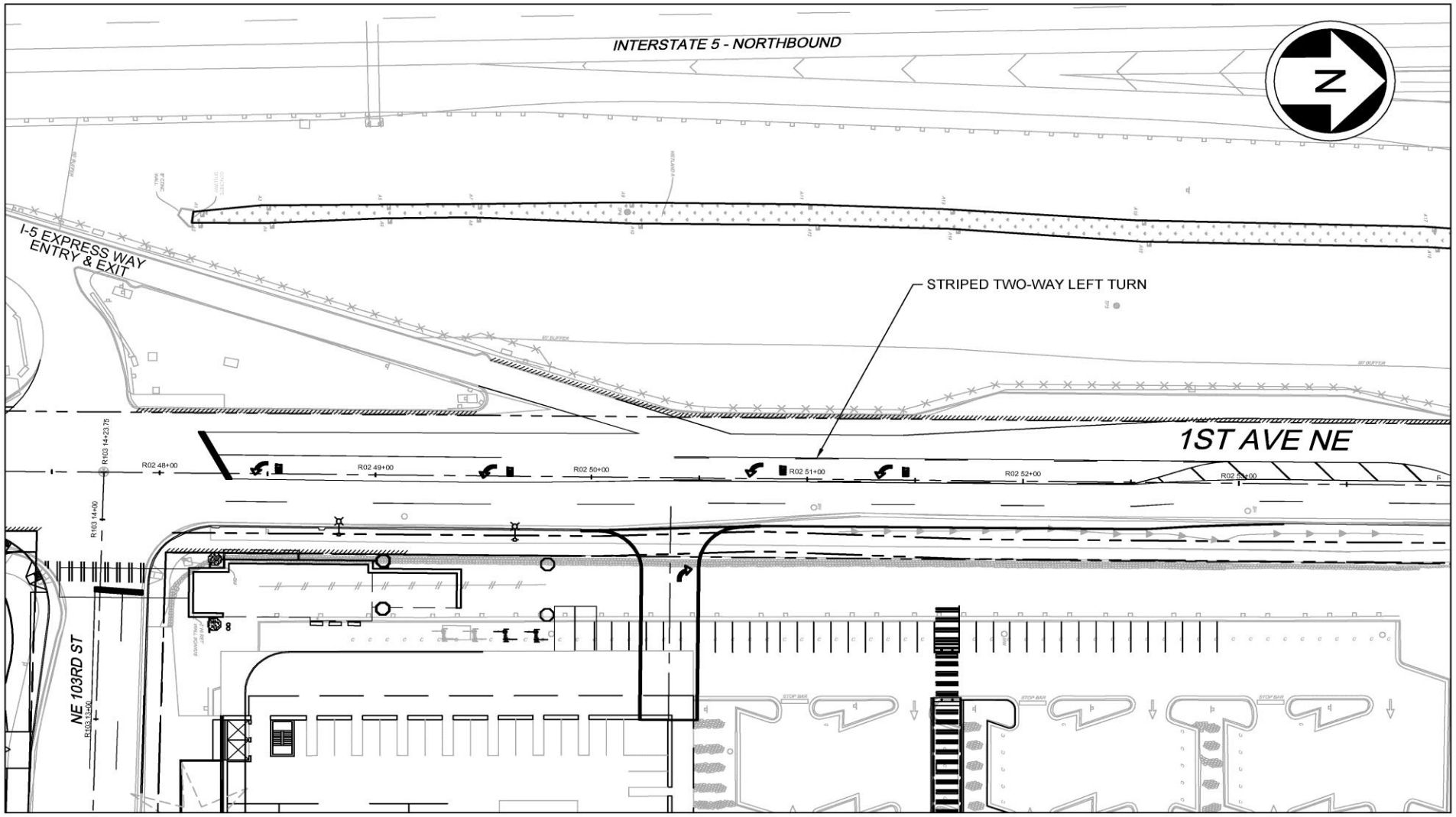
Northgate Link
March 25, 2013

1st Ave NE Channelization

- Congested roadway operations were modeled and refined
- Extended second northbound approach lane at NE 103rd
- Turn lanes and bus zones adjusted to enhance traffic flow
- Pedestrian and bike crossing volumes accommodated



Additional Garage Access



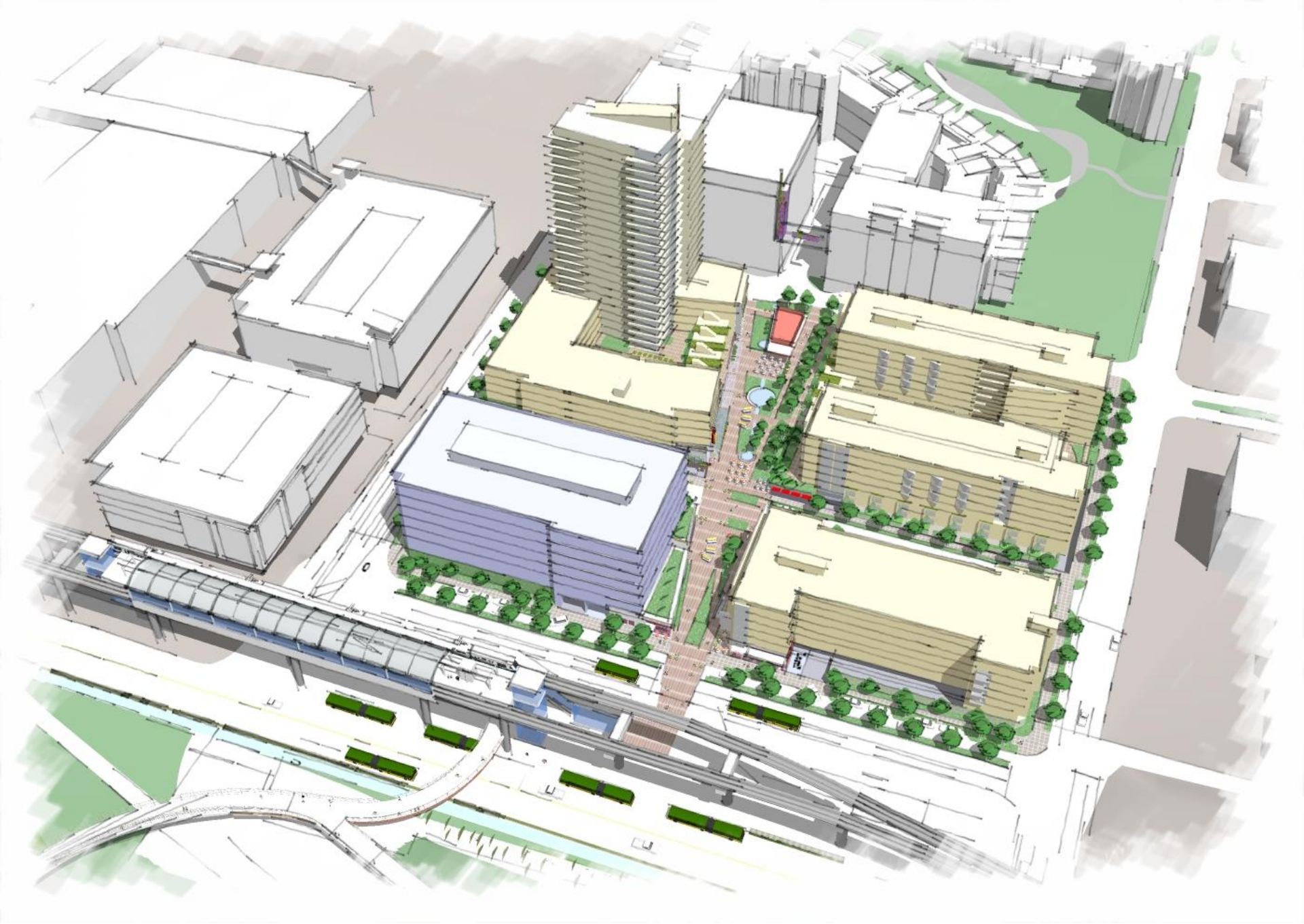
J:\160199P_NorthLinkFinalDesign\CADD\TRAF\MSC\N160 DRIVEWAY AT NORTHGATE.dwg Mar 27, 2013 – 12:29pm

Northgate Parking Garage Update

- Discussions continue with Simon Property Group (SPG), Northgate Mall owners
- Draft property appraisals completed; SPG review underway
  - staging area property lease and permanent easement acquisition
  - 40 year lease of 450 stalls in shared-use garage to be built by SPG
- ST also seeking short-term lease of surface parking at mall to meet WSDOT parking replacement requirements until new garage is available (145 stalls)

Urban Design Framework Update

- City is reviewing and editing preliminary draft of UDF
- Themes: circulation, public amenities, and future development concepts for Urban Center and TOD sites next to station
- Will continue working with King County, Sound Transit, Puget Sound Regional Council through end of 2013
- City's public outreach schedule for UDF anticipates:
  - June/July: meeting with community councils
  - July: open house on Draft UDF in Northgate
  - July-August: on-line survey



I-5 Bridge and Cycle Track Update

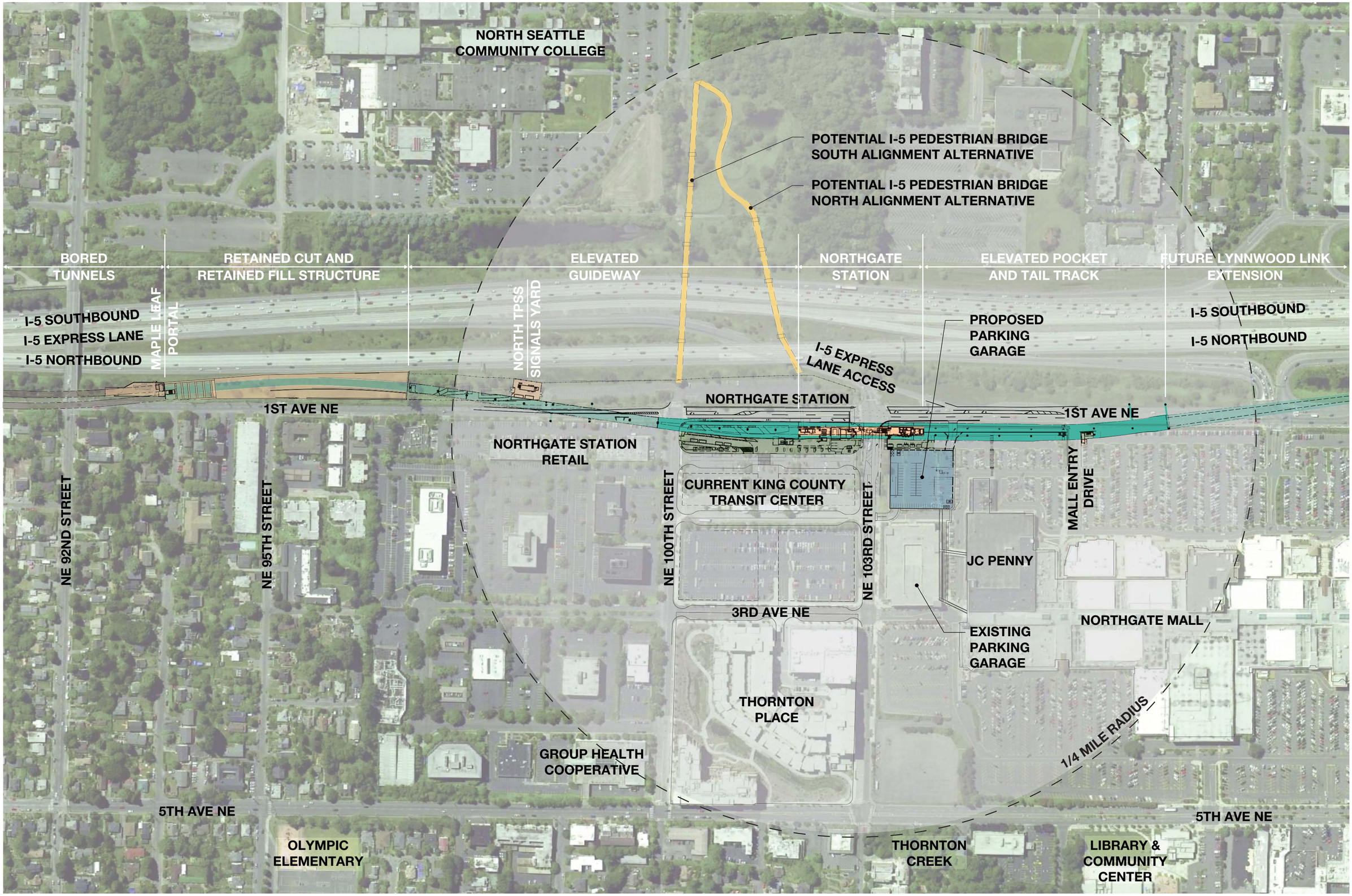
- SDOT lead for both proposed facilities
- Bridge and cycle track are consolidated in one project
- Consultant selection is ongoing
- Conceptual design and environmental clearance expected by year end

Northgate Station - Next Steps

- Northgate Station 60% design reviews underway
  - Light Rail Review Panel meeting today
  - public open house on May 23rd

    Olympic View School auditorium, 504 NE 95th St.

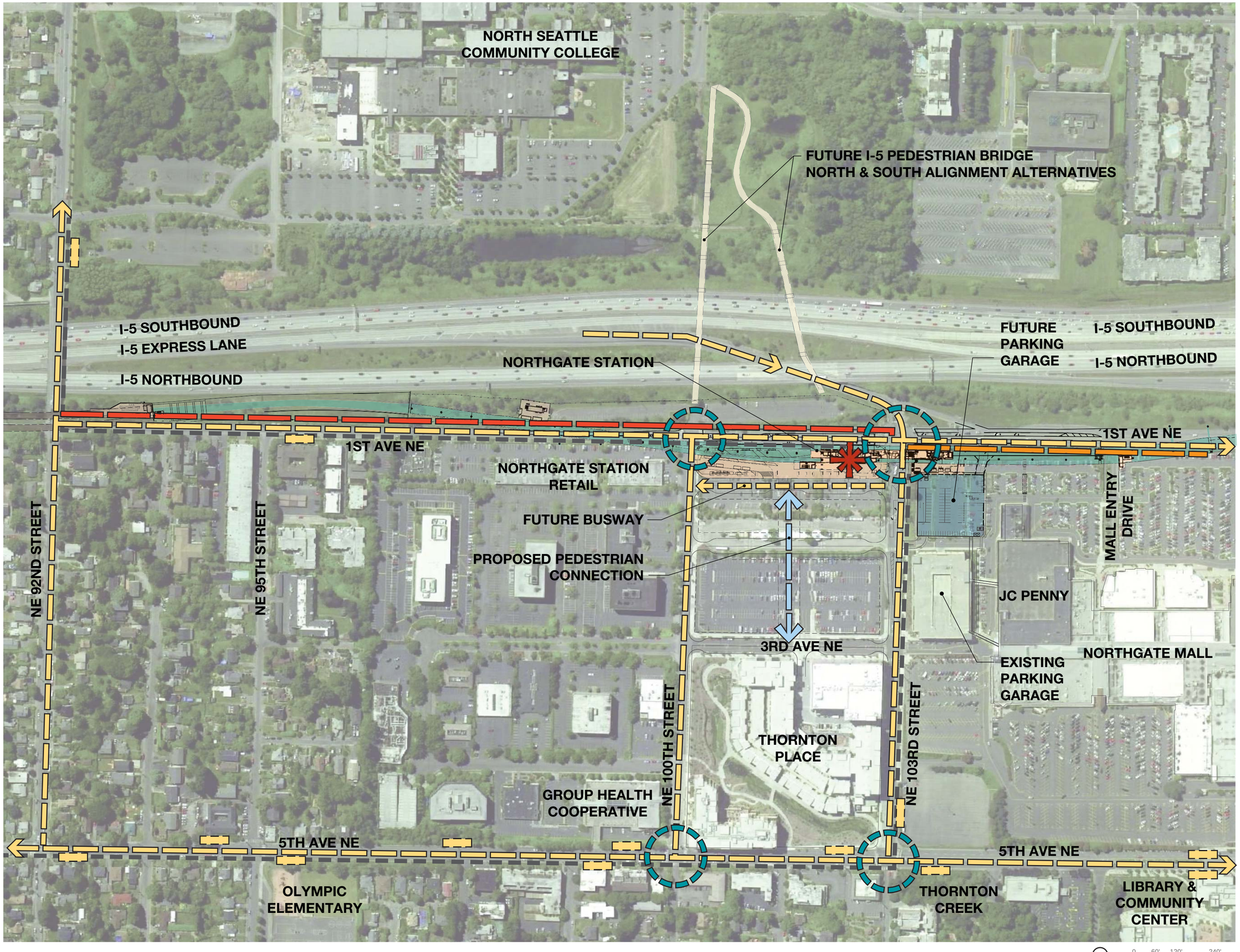
    6 – 8pm, presentation begins at 6:30pm
- ST currently briefing community councils and ped/bike groups on Northgate Station access study preliminary results
- City will conduct UDF meetings in June/July



SOUNDTRANSIT

Alignment Vicinity Plan

Northgate Station – 60% Refinement
EA-1A May 2013



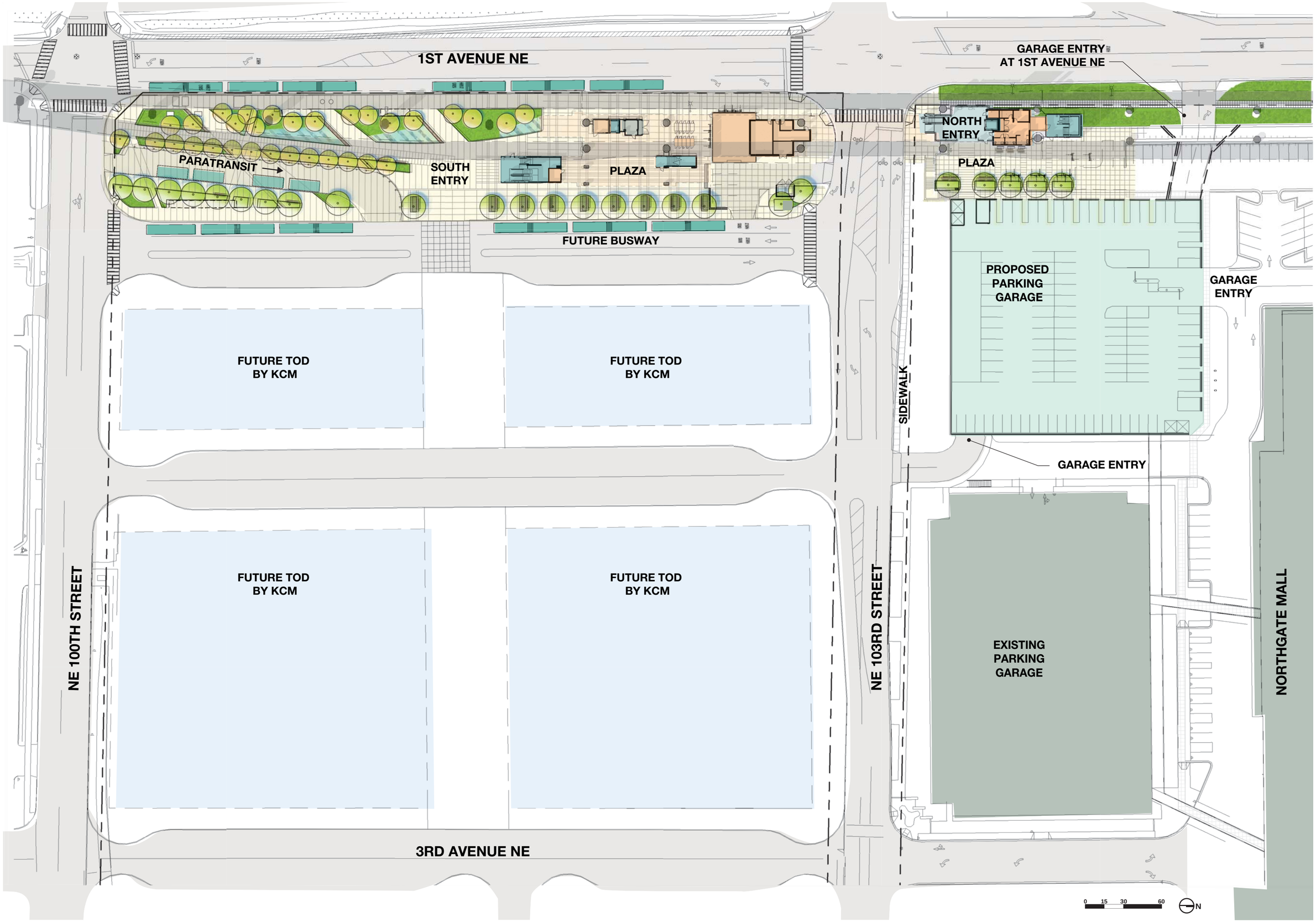
LEGEND

- Pedestrian Route
- Bus Route
- Bus Stop
- Major Intersection
- Station Plaza/Bike Facility
- Current City of Seattle Bike Routes
- Future Cycle Track by SDOT
- Future Multi-Use Path by SDOT
- Future I-5 Pedestrtian Bridge

SOUNDTRANSIT

Pedestrian Connections and Cycle Track

Northgate Station – 60% Refinement
EA-1B May 2013

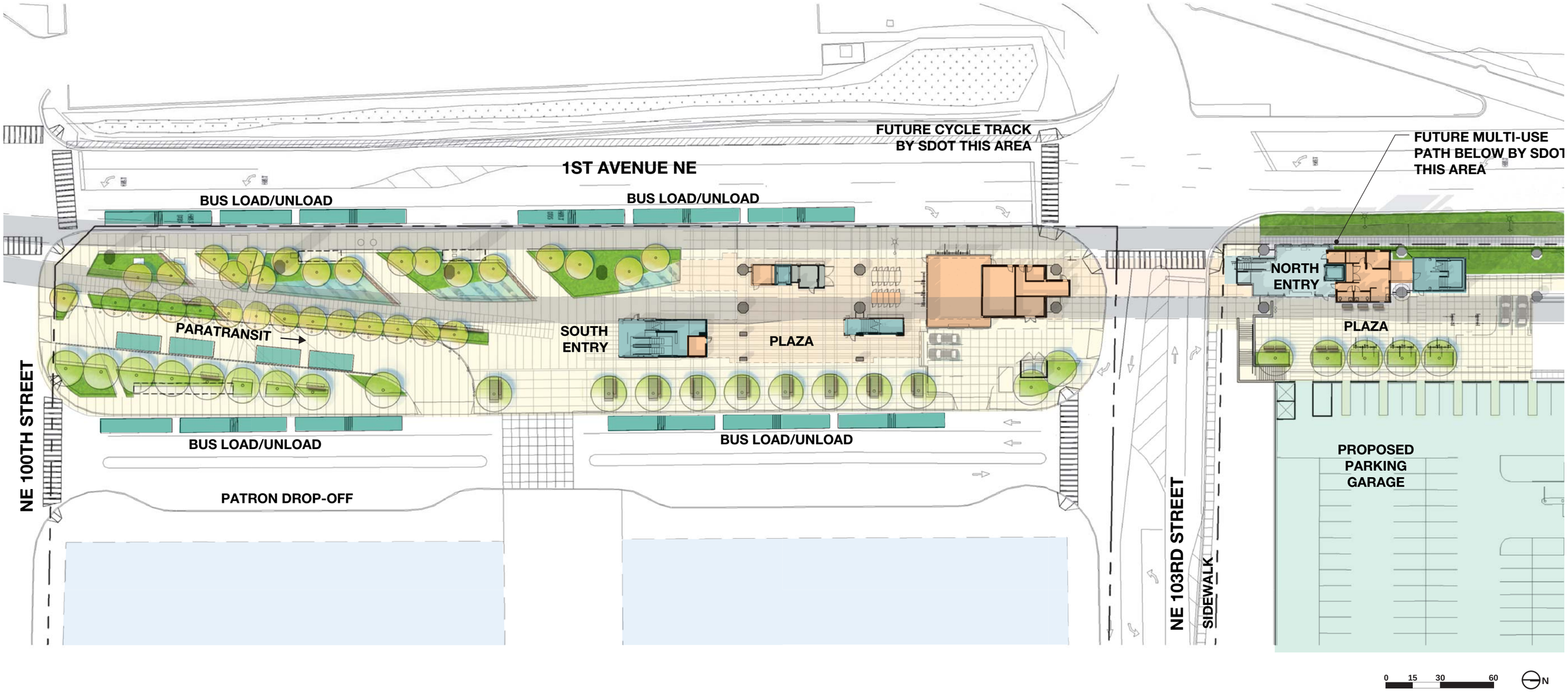


SOUNDTRANSIT

Overall Site Plan

Northgate Station – 60% Refinement

S-1 May 2013

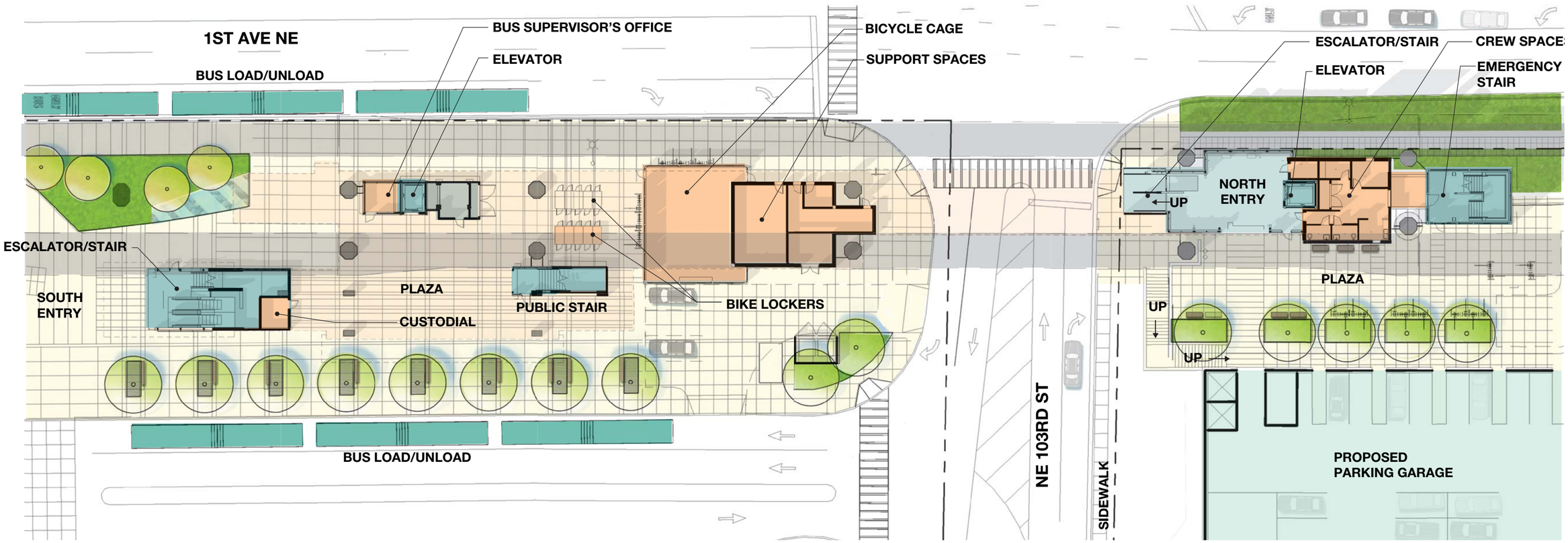


Station Site Plan

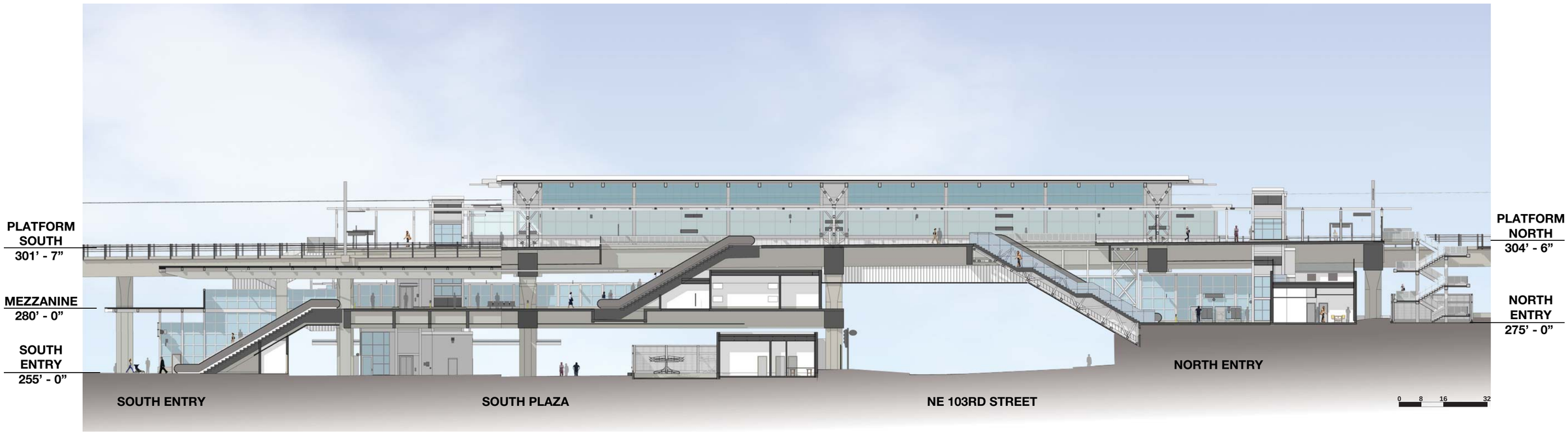
SoundTransit

Northgate Station – 60% Refinement

May 2013



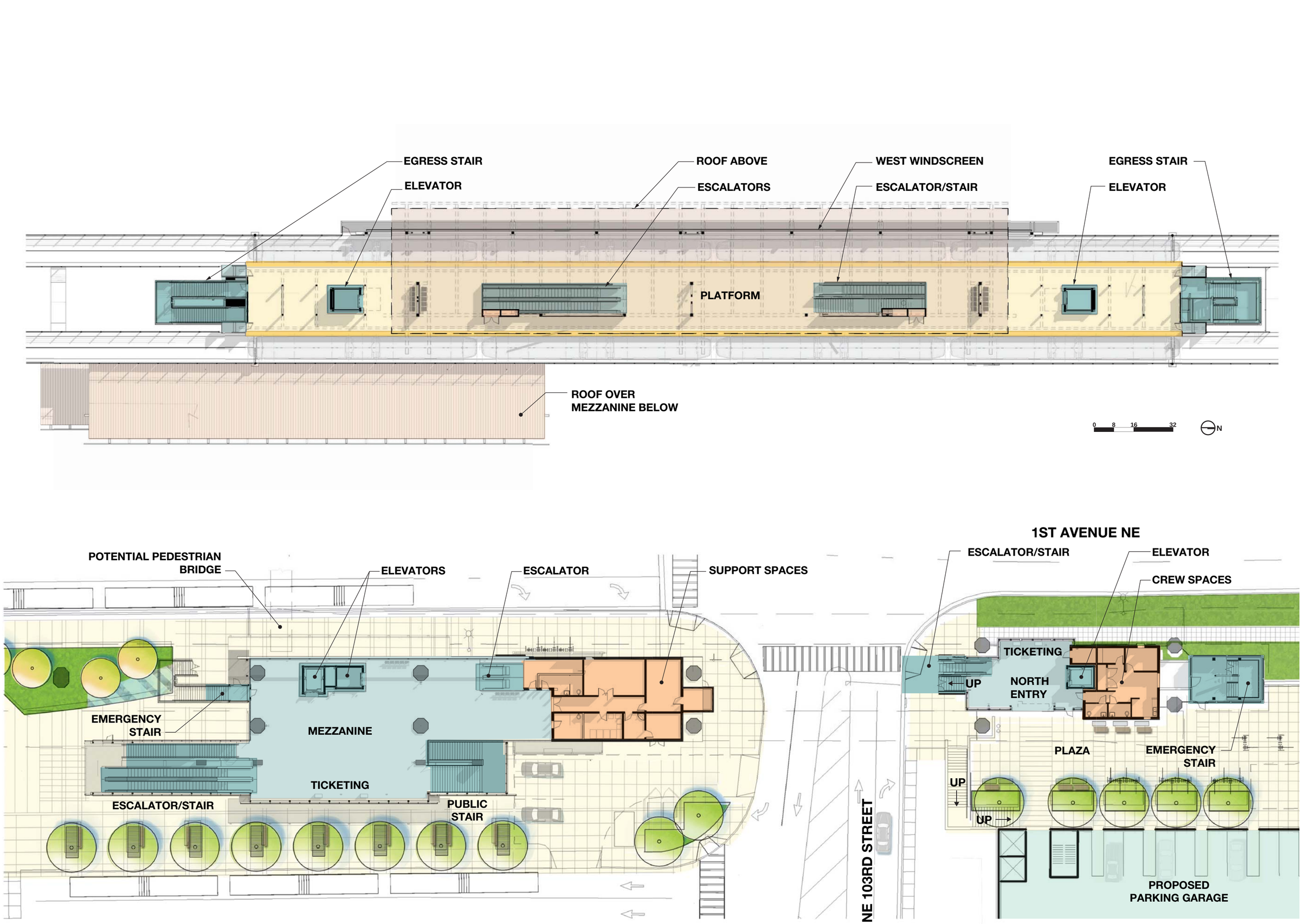
Surface Plan



Longitudinal Section

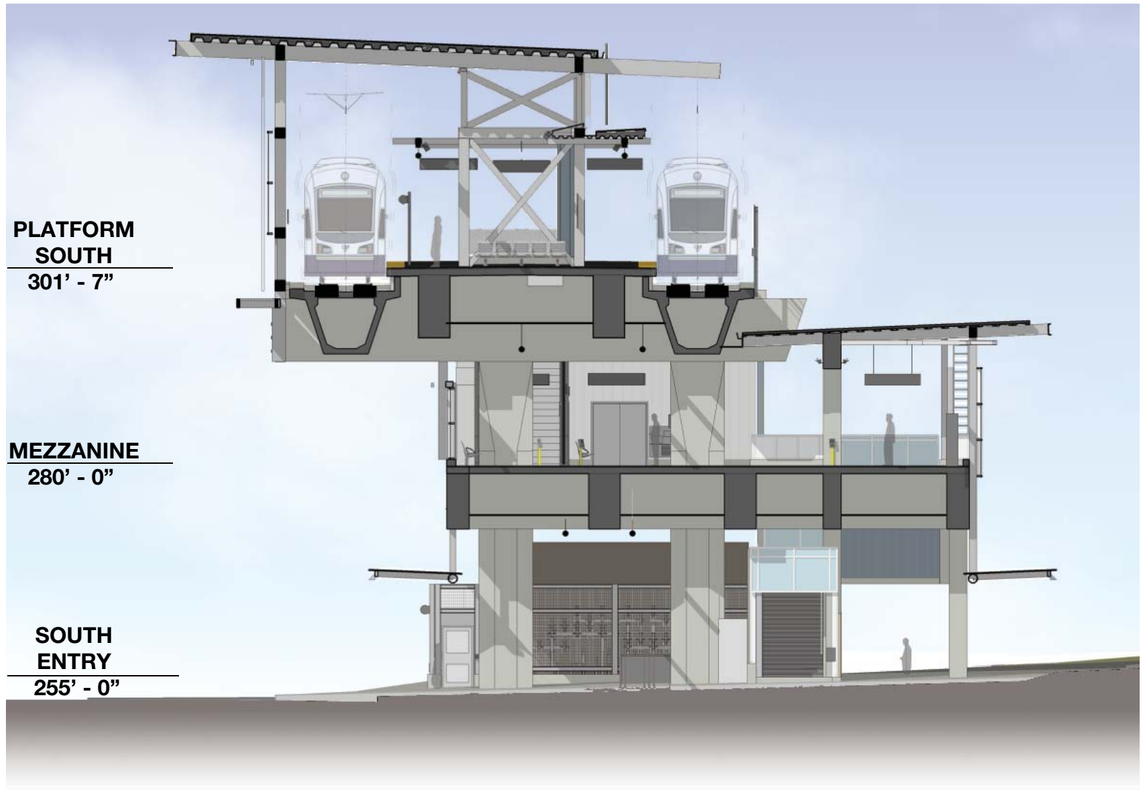
SoundTransit

Northgate Station – 60% Refinement

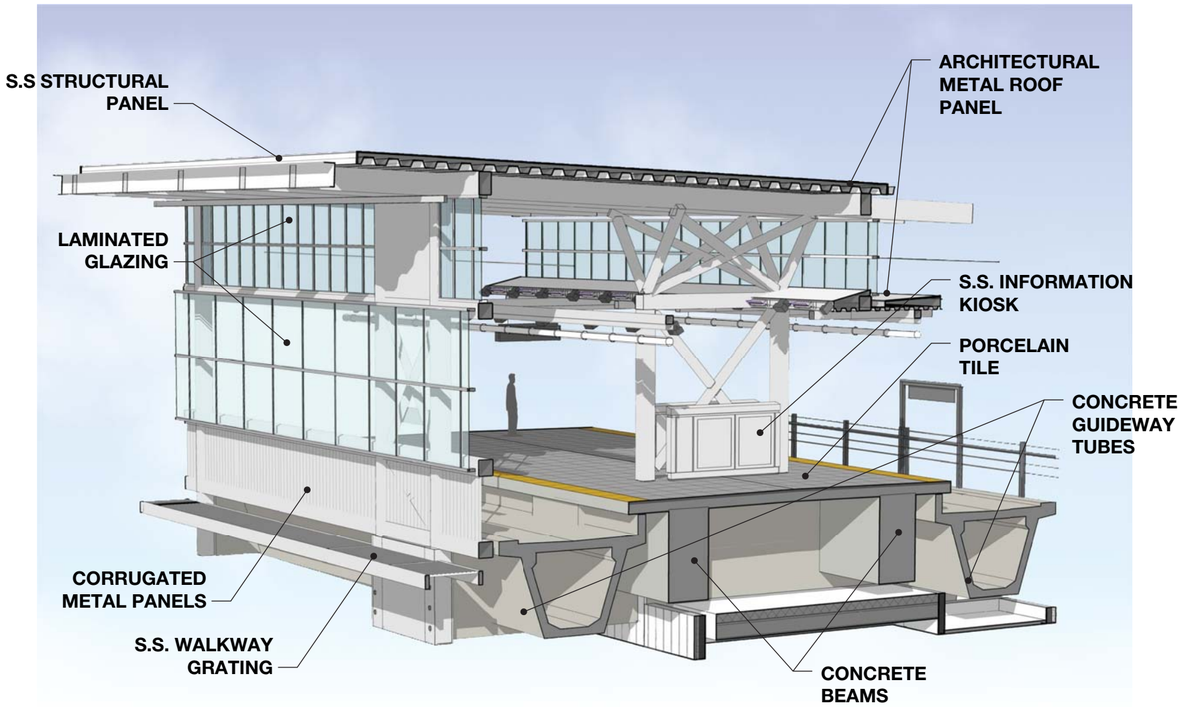


SOUNDTRANSIT

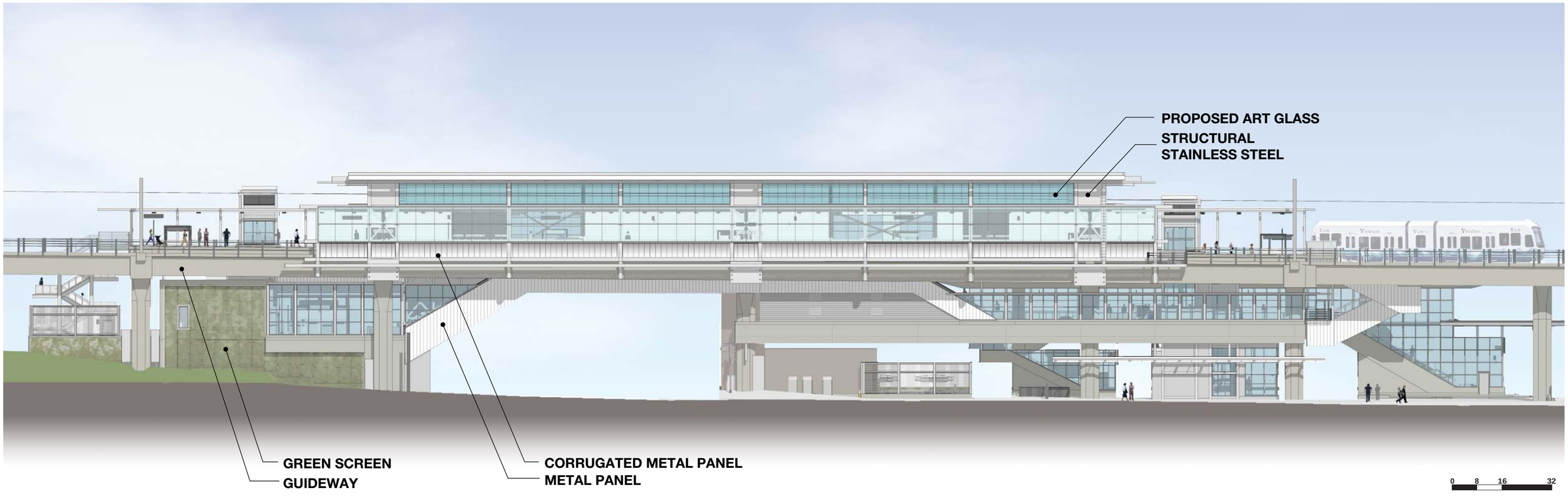
Mezzanine and Platform Plans



South Plaza Section

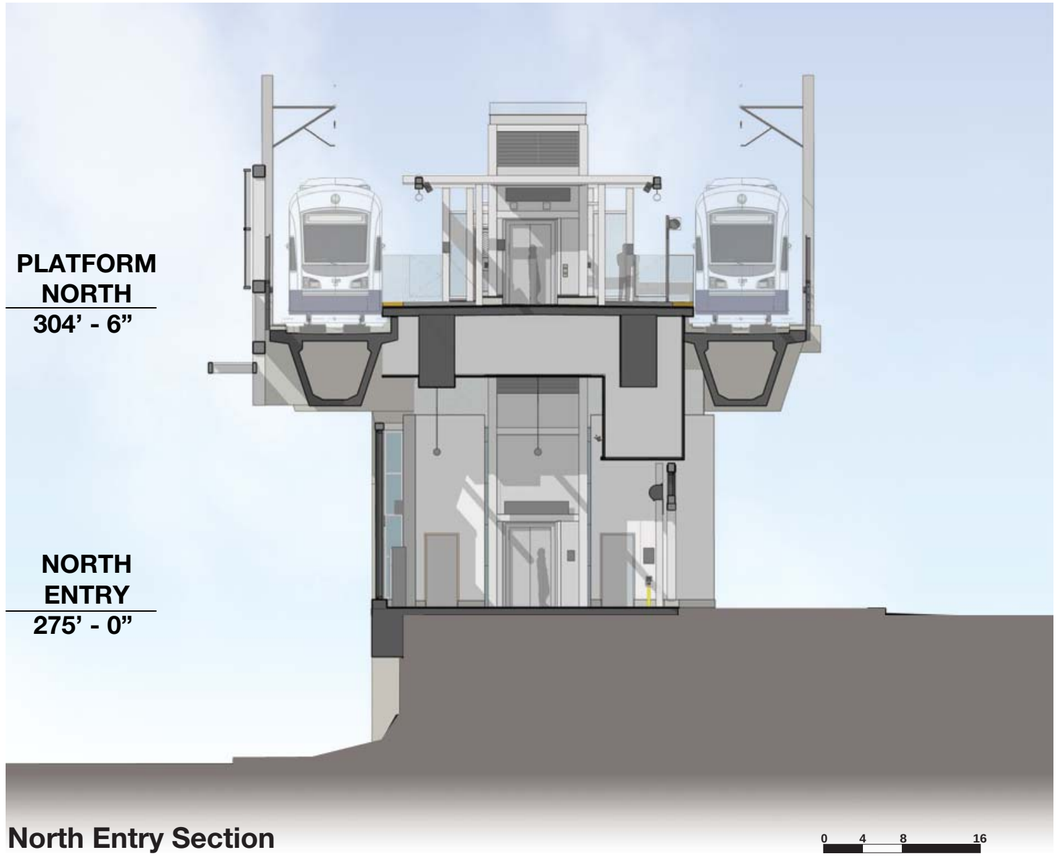


Platform looking Northeast

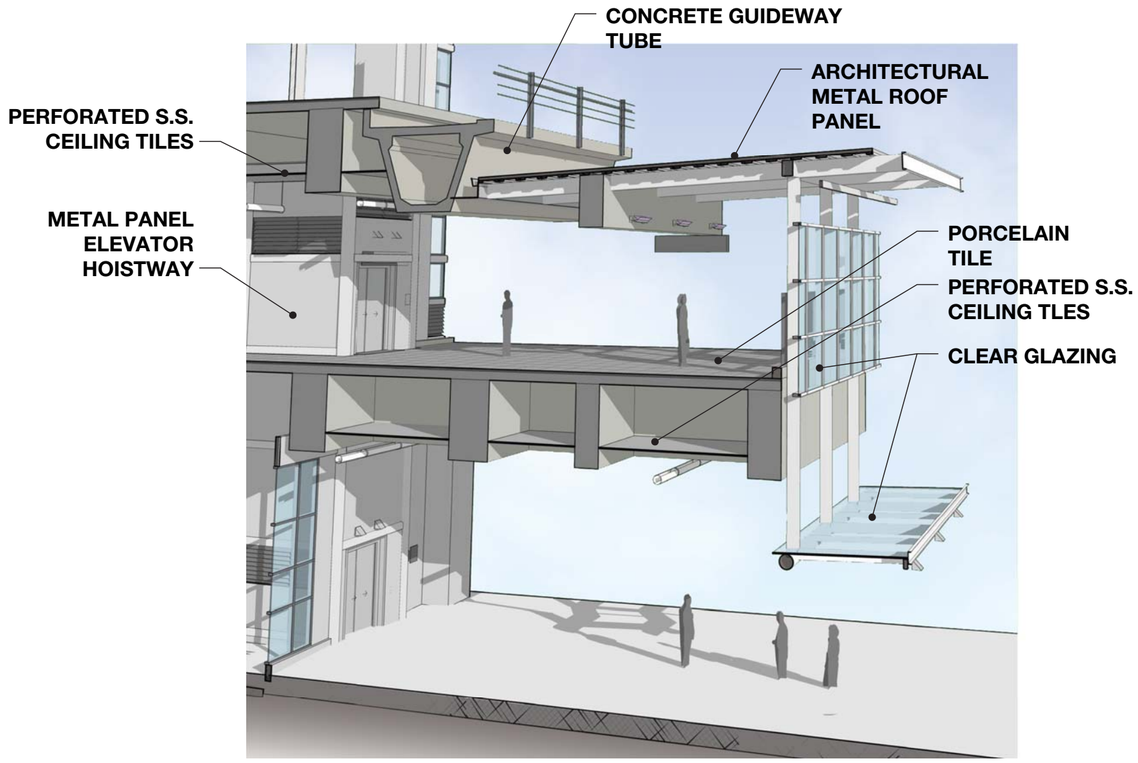


SOUNDTRANSIT

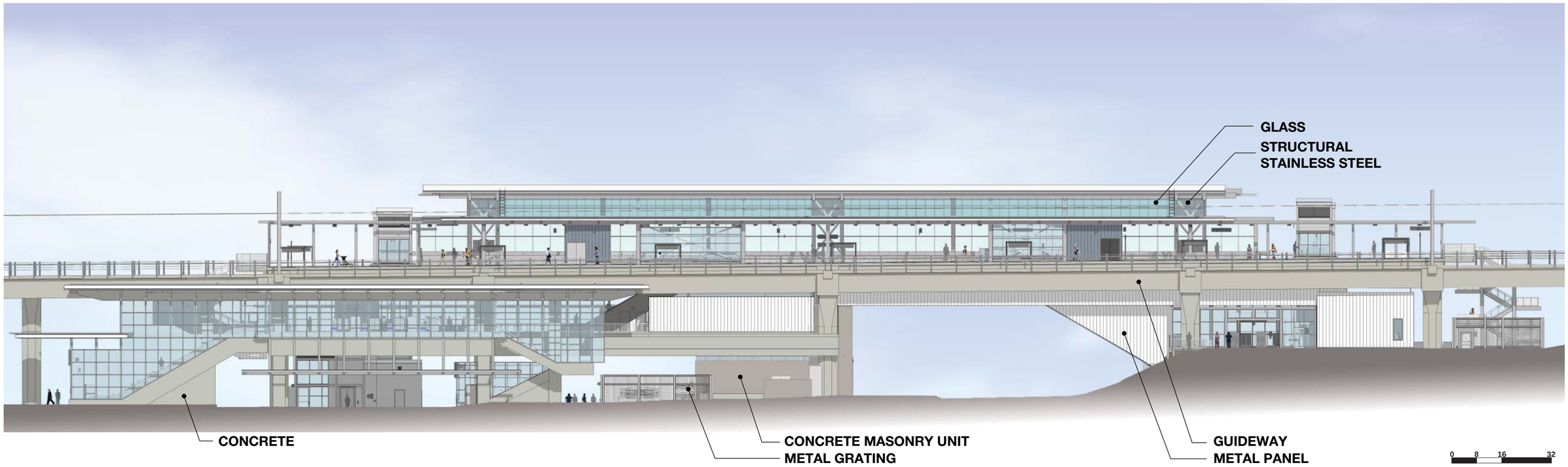
Cross Section and West Elevation



North Entry Section

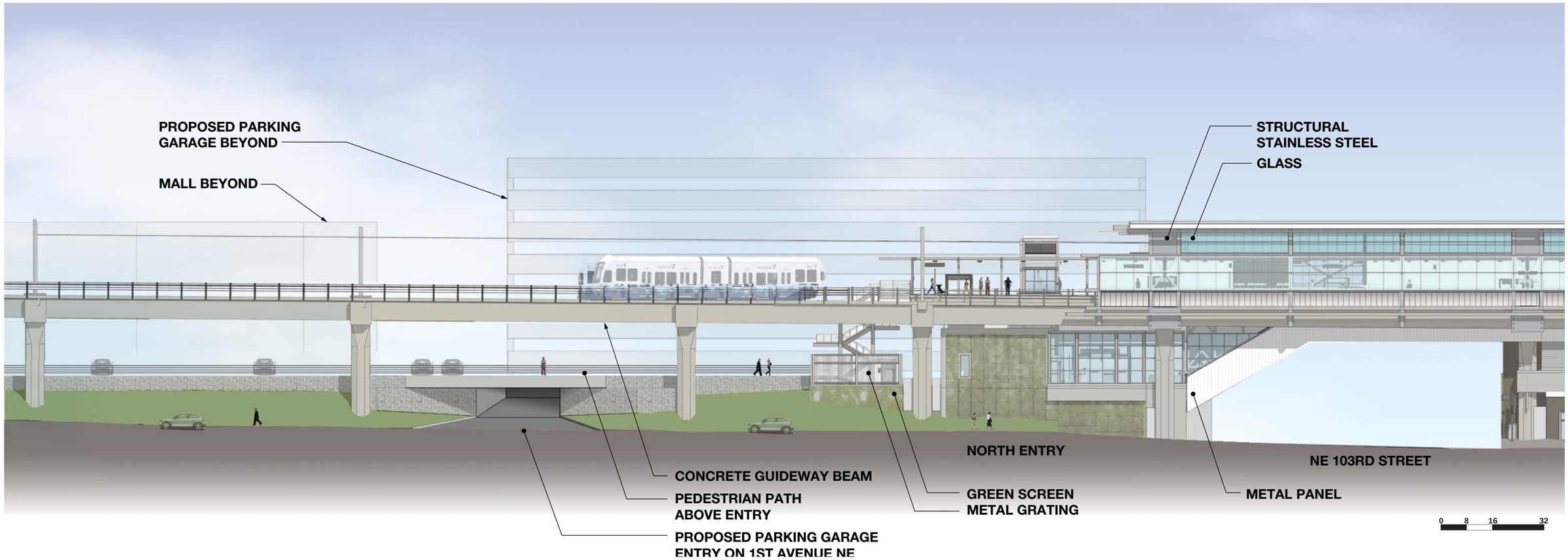


Entry Pavilion

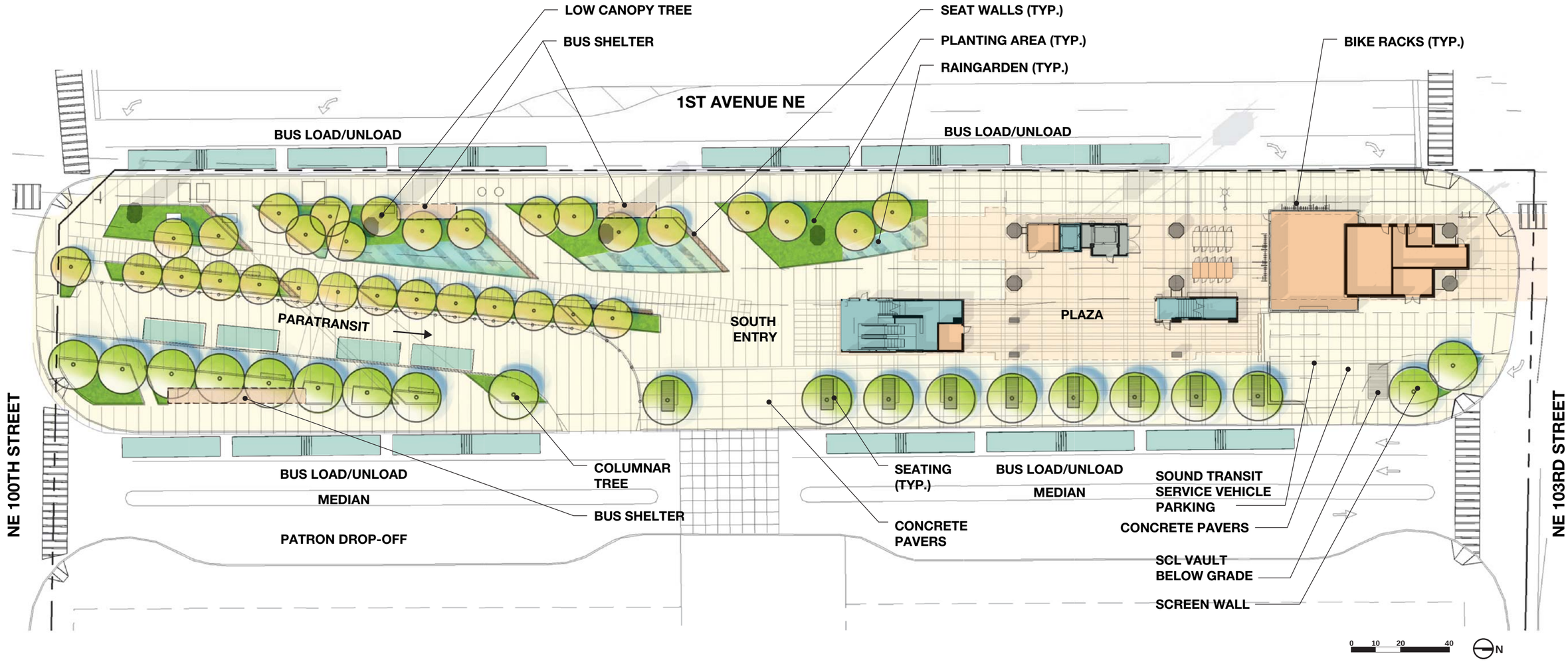


SOUNDTRANSIT

Cross Section and East Elevation

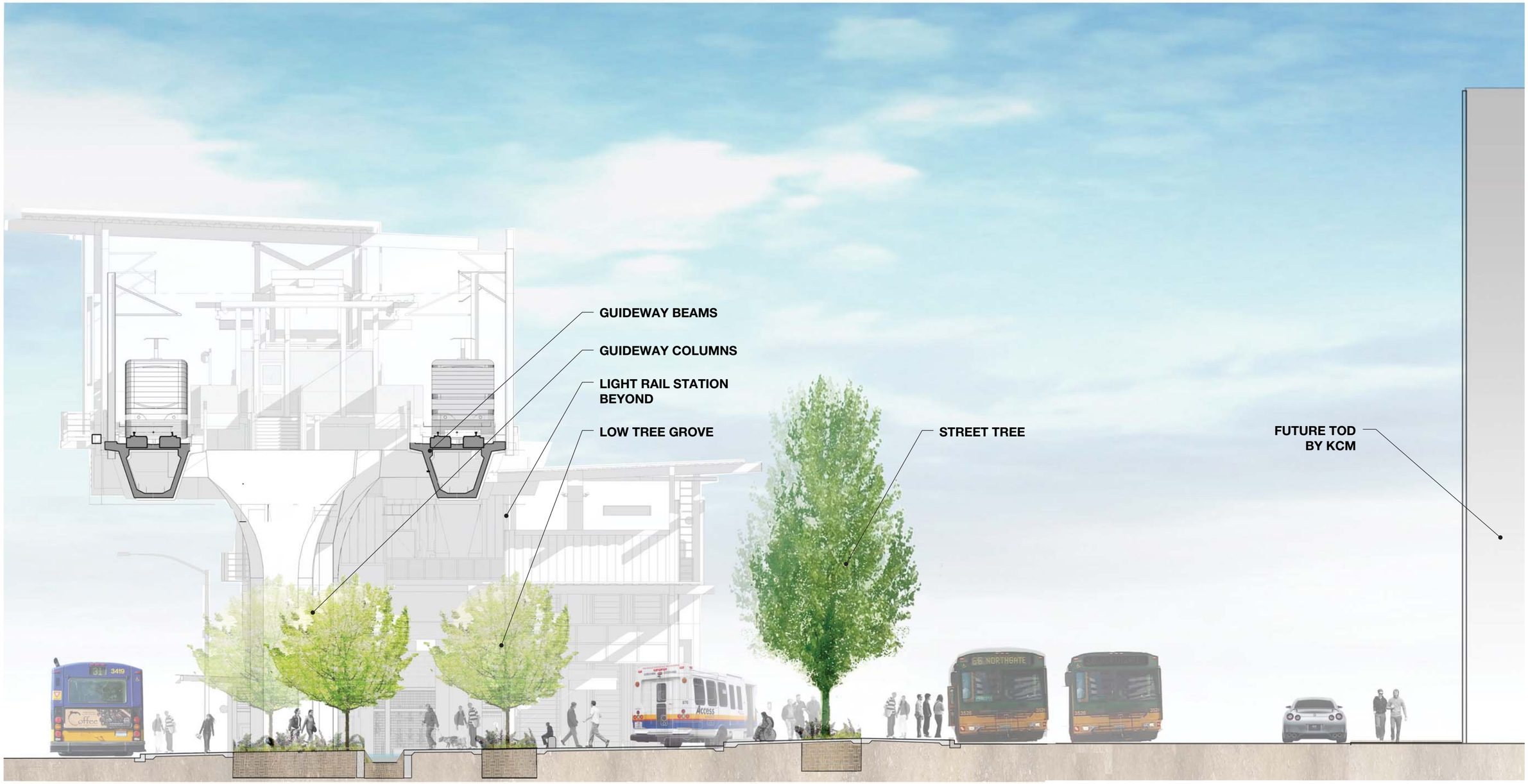


West Elevation – Proposed Parking Garage Entry



SOUNDTRANSIT

Site Plan - South Plaza

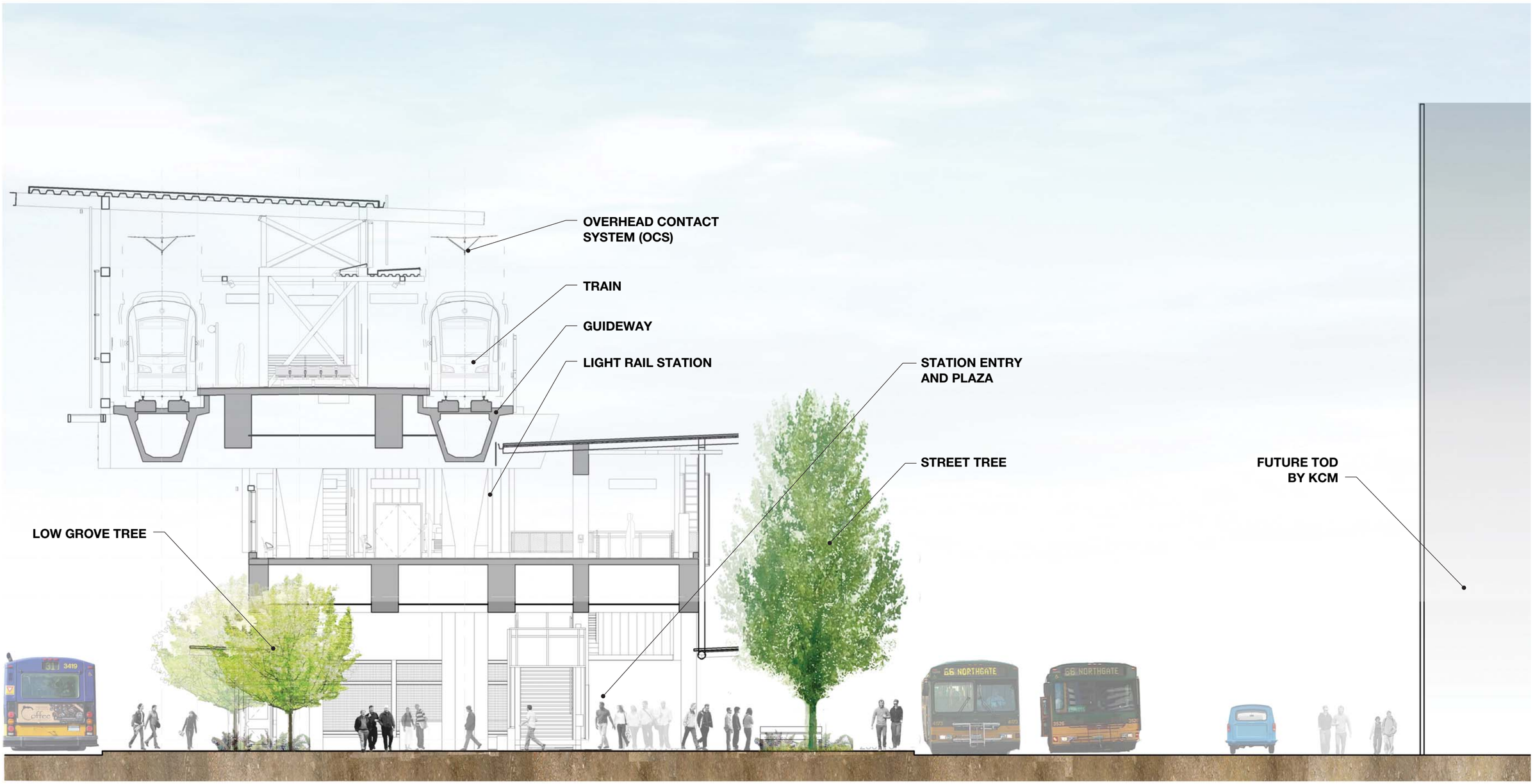


SOUNDTRANSIT

Cross Section - Paratransit Plaza

Northgate Station – 60% Refinement

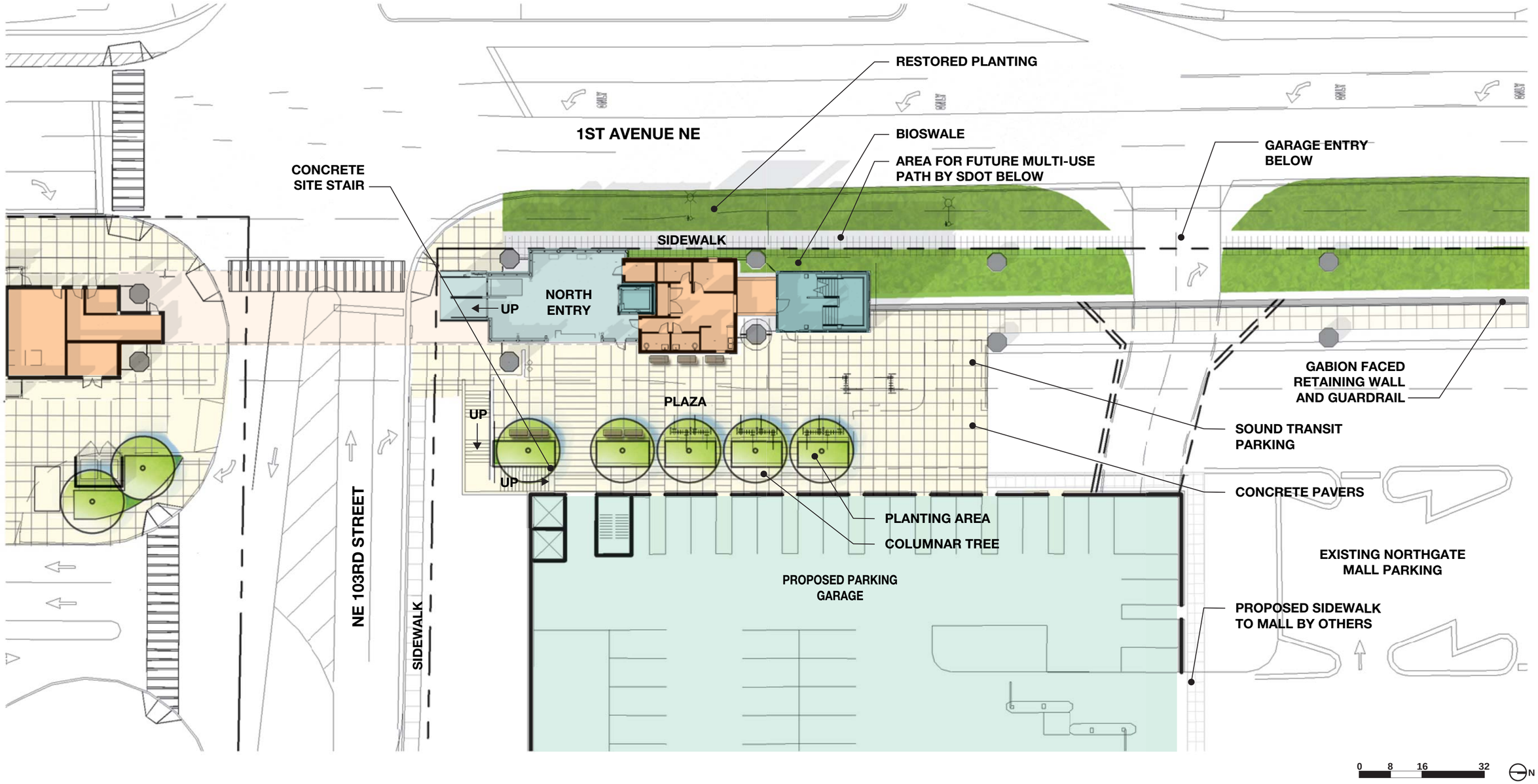
S-3 May 2013



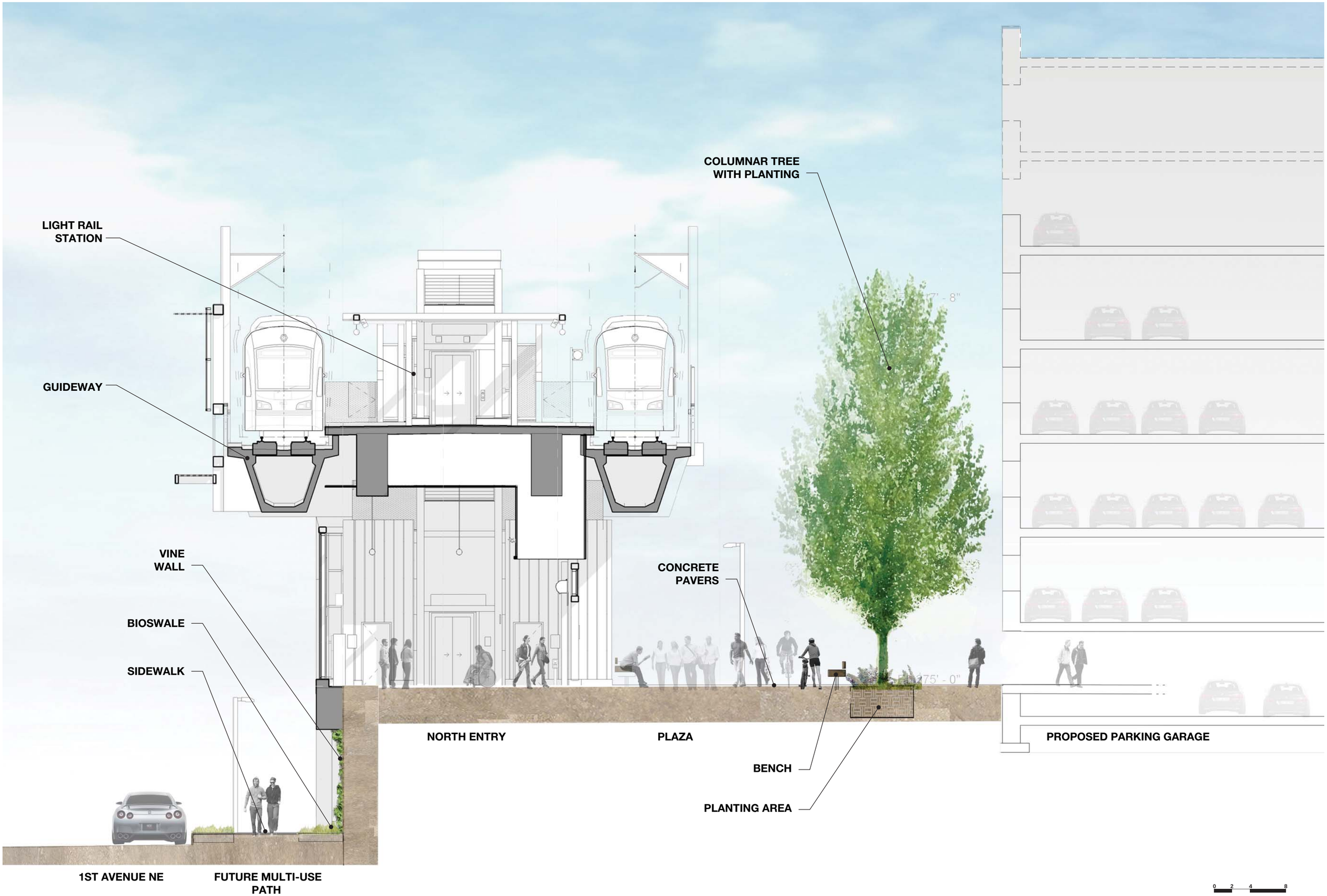
SOUNDTRANSIT

Station Section - South Entry

Northgate Station – 60% Refinement
S-4 May 2013

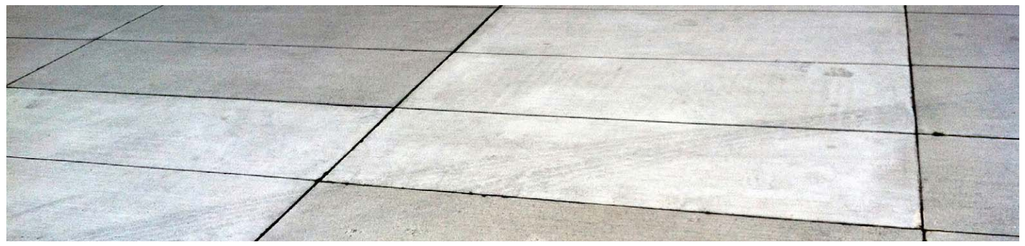


Site Plan - North Entry Plaza



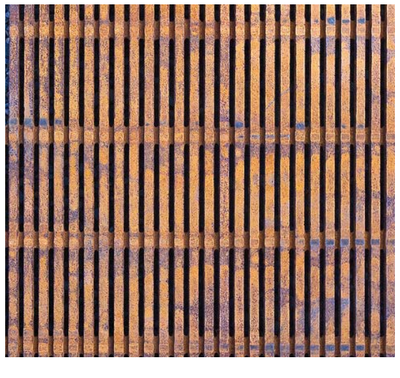
Cross Section - North Entry Plaza

Pavement + Steps



Furnishings

Walls + Planters



TREES

Princeton Sentry Ginkgo
Ginkgo biloba 'Princeton Sentry'

Katsura
Cercidiphyllum japonicum

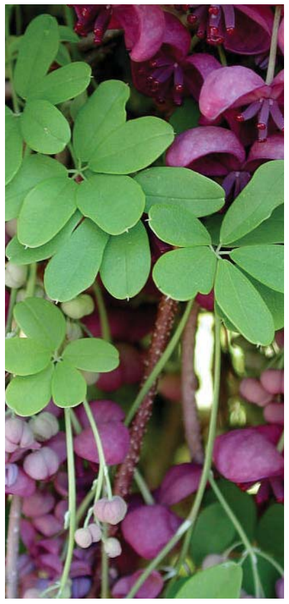
Ash
Fraxinus species

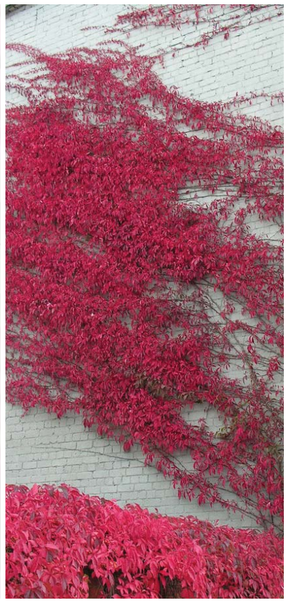
Japanese Hornbeam
Carpinus japonica

Serviceberry
Amelanchier grandiflora

Japanese Maple
Acer palmatum

VINES





Silvervein Creeper
Parthenocissus henryana

Five-Leaf Akebia
Akebia quinata

Virginia Creeper
Parthenocissus quinquefolia

FERNS

Deer Fern
Belchnum spicant

Sword Fern
Polystichum munitum

SHRUBS

Dwarf Red Twig Dogwood
Cornus sericea ‘kelseyi’

Everlow Yew
Taxus media ‘Everlow’

Box-Leaf Euonymus
Euonymus japonicus ‘microphyllus’

Low Oregon Grape
Mahonia nervosa

Dwarf Sweet Box
Sarcococca hookeriana var. humilis

Dwarf Burning Bush
Euonymus alatus ‘Little Moses’

Hebe
Hebe glaucophylla

GROUNDCOVER

Beesia
Beesia deltophylla

Western Wild Ginger
Asarum Caudatum

Lily Turf
Liriope muscari

Hybrid Epimedium
Epimedium perralchicum

GRASSES

Daggerleaf Rush
Juncus ensifolius

Soft Rush
Juncus effusus

Sedge
Carex

California Gray Rush
Juncus patens

Adagio Maiden Grass
Miscanthus sinensis ‘Adagio’

Japanese Sweet Flag
Acorus gramineus

BAMBOO

Dwarf Whitestripe Bamboo
Pleioblastus forunei

Vetchii Minor Bamboo
Sasa hayatae

Dwarf Fern-Leaf Bamboo
Pleioblastus distichus

Dwarf Greenstripe
Pleioblastus viridistrauatus

Pigmy Bamboo
Pleioblastus pygmeaus

SOUNDTRANSIT

Aerial looking Northwest

Northgate Station – 60% Refinement
SR-1 May 2013

SOUNDTRANSIT

Site looking Northeast

Northgate Station – 60% Refinement
SR-2 May 2013

SOUNDTRANSIT

Site looking Southeast

Northgate Station – 60% Refinement
SR-3 May 2013

SOUNDTRANSIT

Site looking Northwest at South Entry

SOUNDTRANSIT

Site looking Northwest at South Entry

Northgate Station – 60% Refinement
SR-4.1 May 2013

SOUNDTRANSIT

Approach looking Northeast

SOUNDTRANSIT

South Plaza looking Northwest

103rd Street Overpass looking Northwest

SOUNDTRANSIT

North Entry looking Southwest

Northgate Station – 60% Refinement
SR-5.3 May 2013

SOUNDTRANSIT

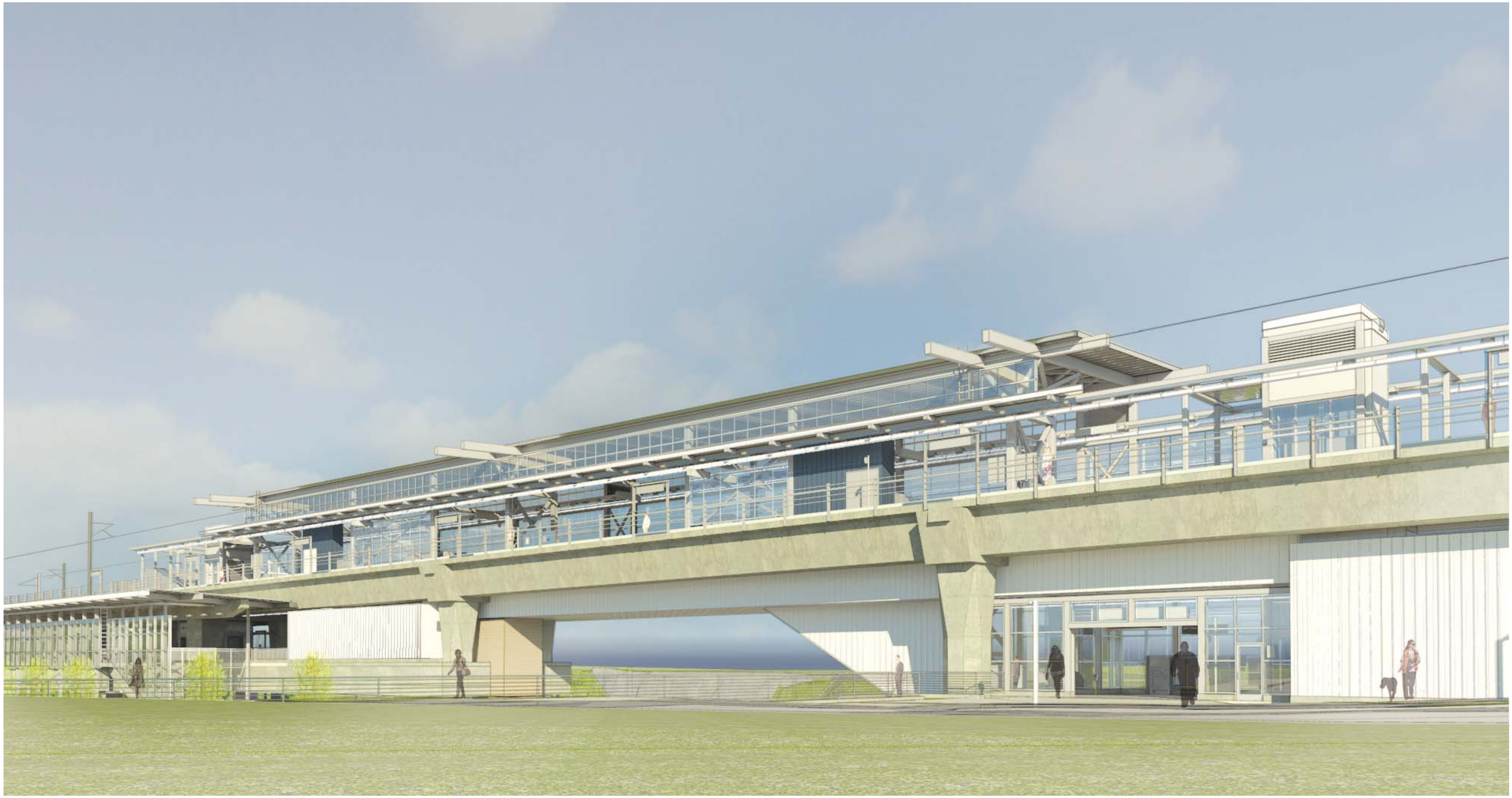
Mezzanine looking North

Northgate Station – 60% Refinement
SR-6 May 2013

SOUNDTRANSIT

Platform looking North

Northgate Station – 60% Refinement
SR-7 May 2013



SOUNDTRANSIT

Station looking Southwest

SOUNDTRANSIT

Platform looking North

Northgate Station – 60% Refinement
SR-8.1 May 2013

SOUNDTRANSIT

Platform looking North - Night View

Northgate Station – 60% Refinement
SR-9 May 2013

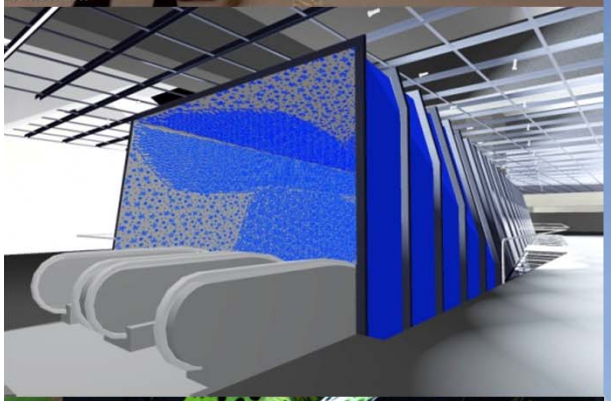
SOUNDTRANSIT

Night View looking Northeast

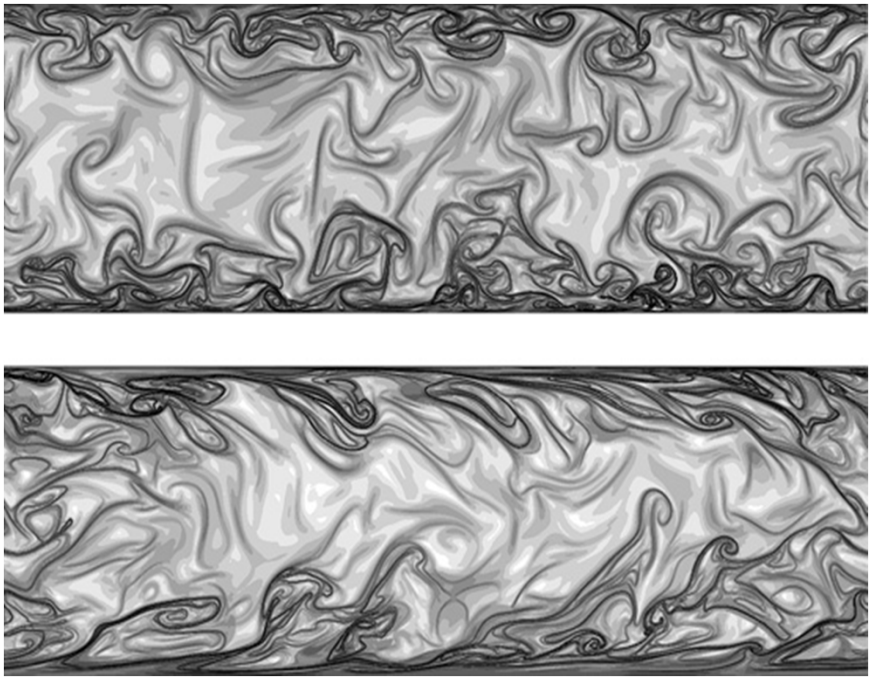
Northgate Station – 60% Refinement
SR-10 May 2013

ST*art* – Sound Transit Art Program

Creating a Sense of Place



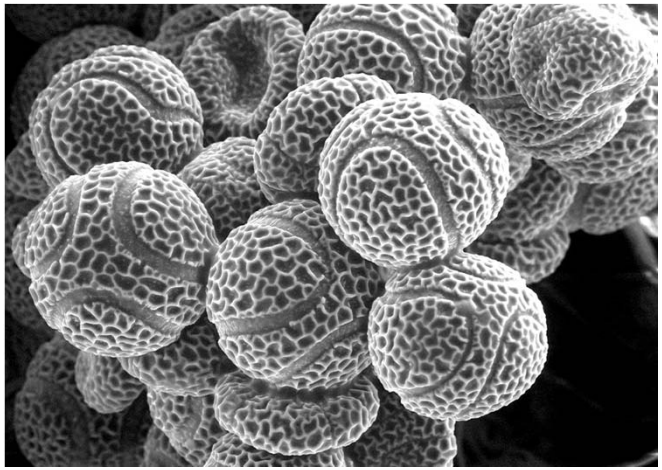
Northgate Station: Cris Bruch, plaza artist
in concept development



- People moving through the space, gathering and dispersing
- A central flow, with some eddies and backwaters

SOUNDTRANSIT
RIDE THE WAVE

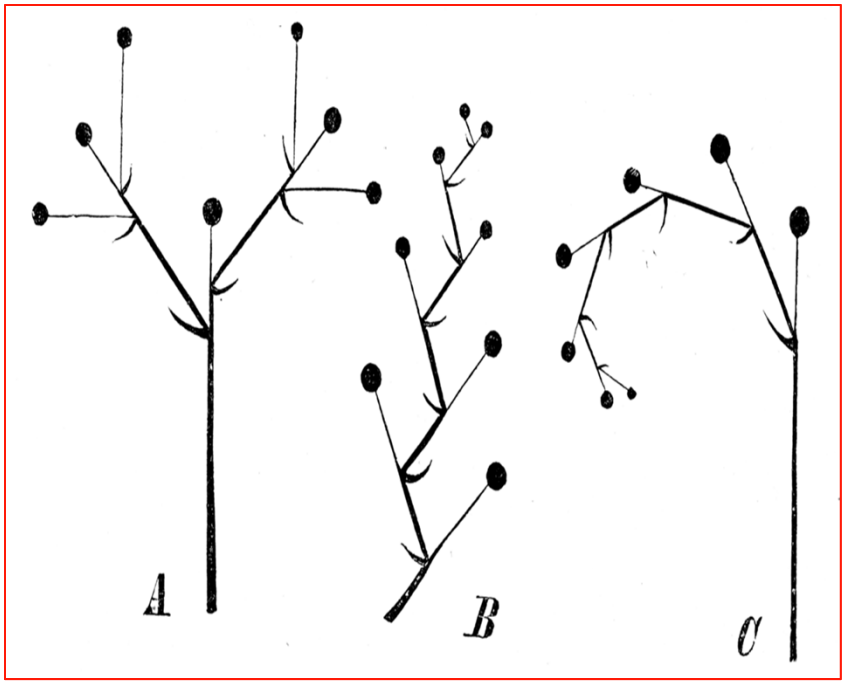
Northgate Station: Cris Bruch, plaza artist
in concept development



- Individuals forming groups, sharing space and boundaries, creating larger forms

SOUNDTRANSIT
RIDE THE WAVE

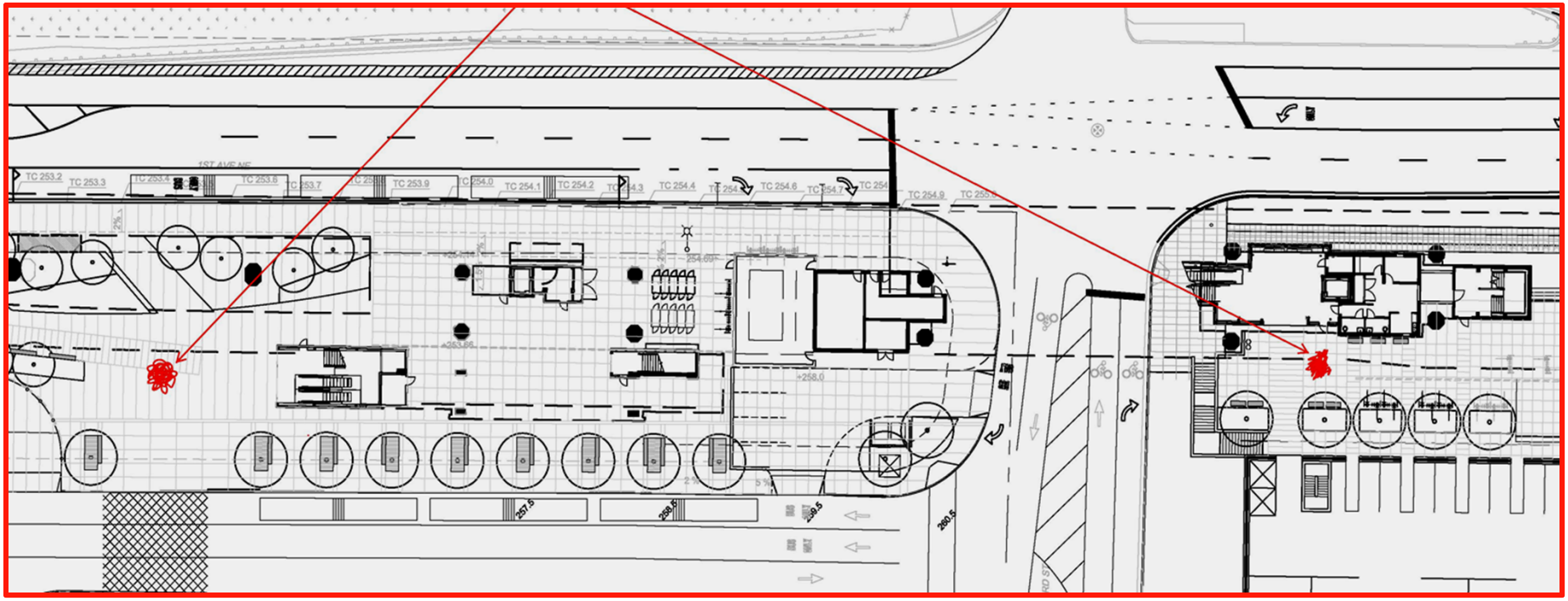
Northgate Station: Cris Bruch, plaza artist
in concept development



- Platform sculptures require a small footprint and may be integrated with structure of entrance canopies

SOUNDTRANSIT
RIDE THE WAVE

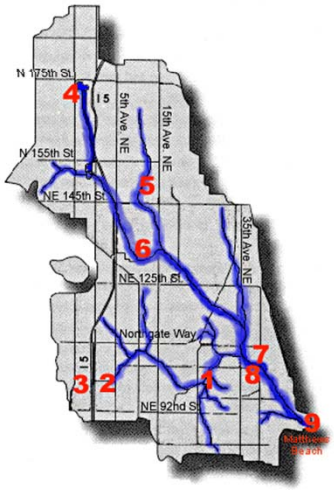
Northgate Station: Cris Bruch, plaza artist
in concept development

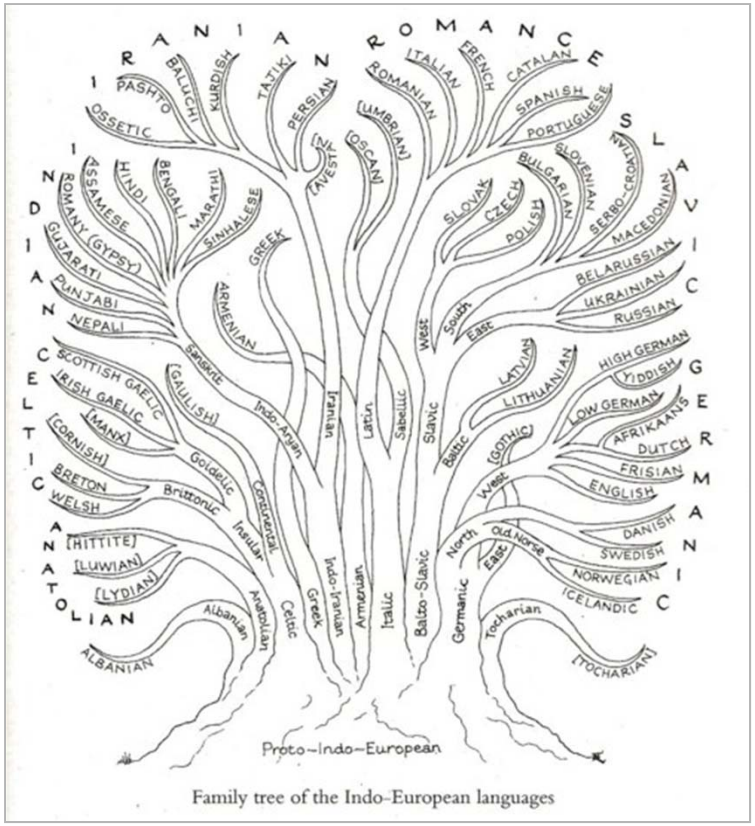


- Similar sculptures marking the main entrances, with smaller sculptures at locations on the platform and mezzanine

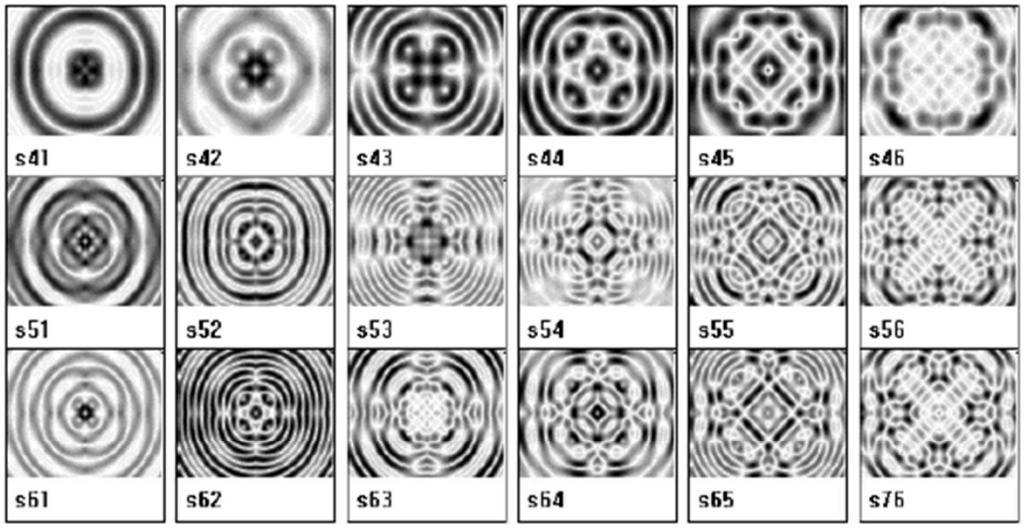
SOUNDTRANSIT
RIDE THE WAVE

Northgate Station: Mary Ann Peters, artist
in concept development





Family tree of the Indo-European languages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s42
s43
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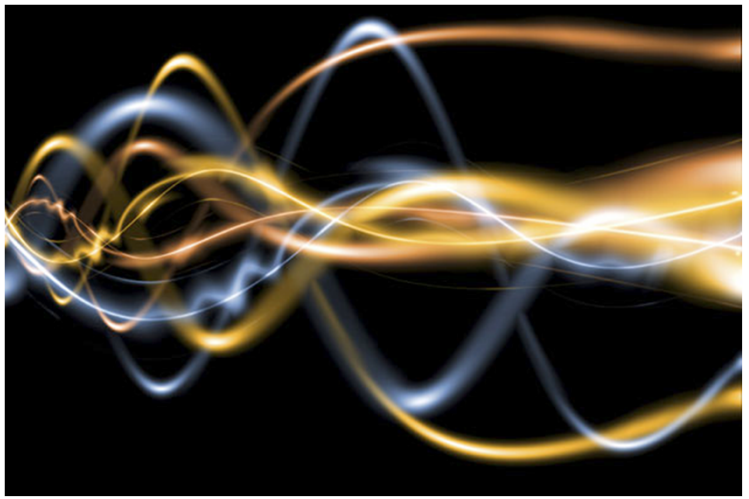
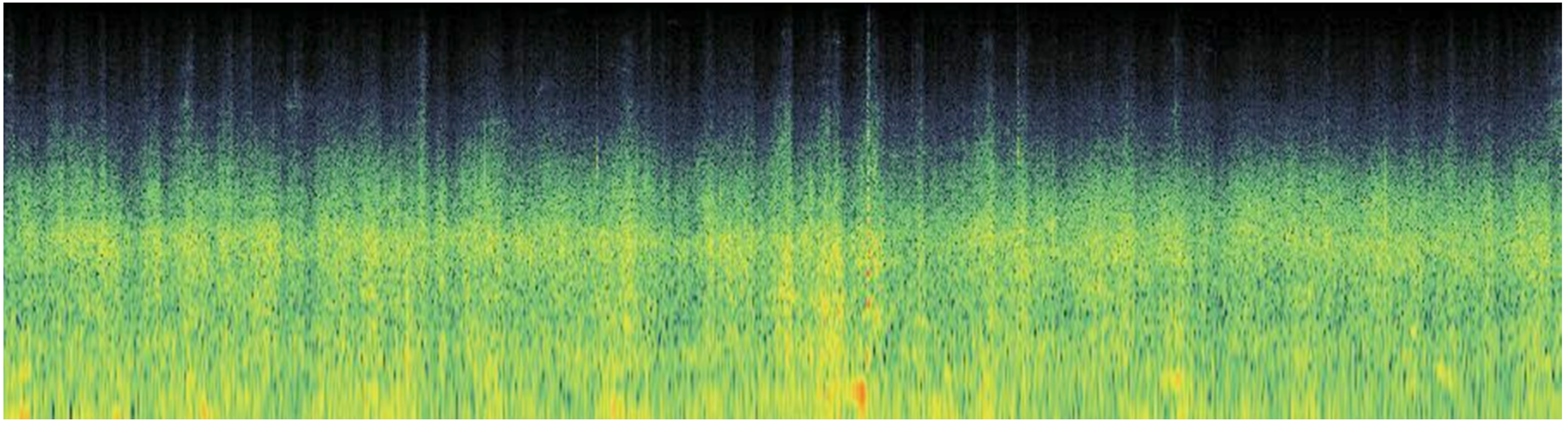
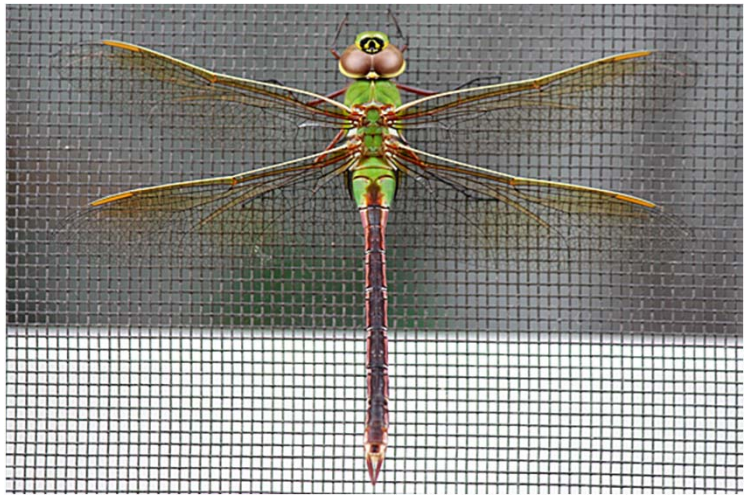
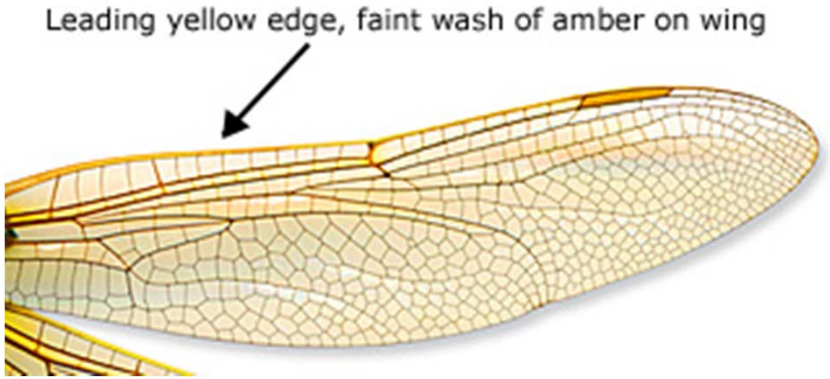
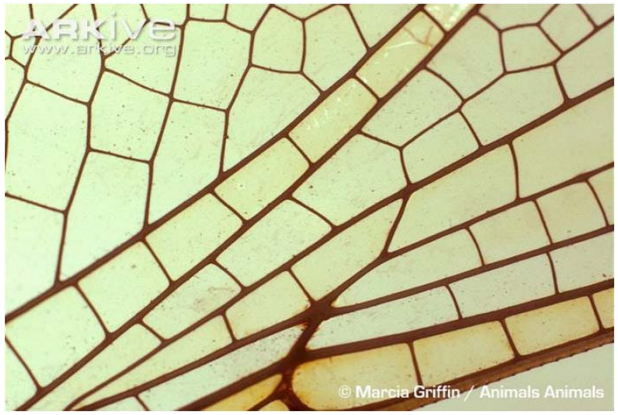
s76








Leading yellow edge, faint wash of amber on wing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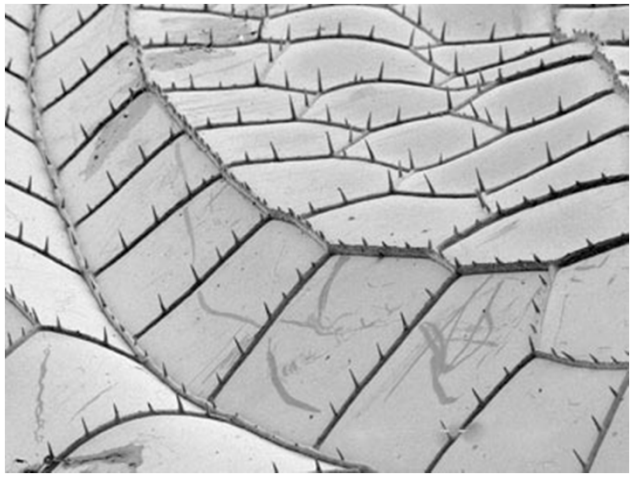

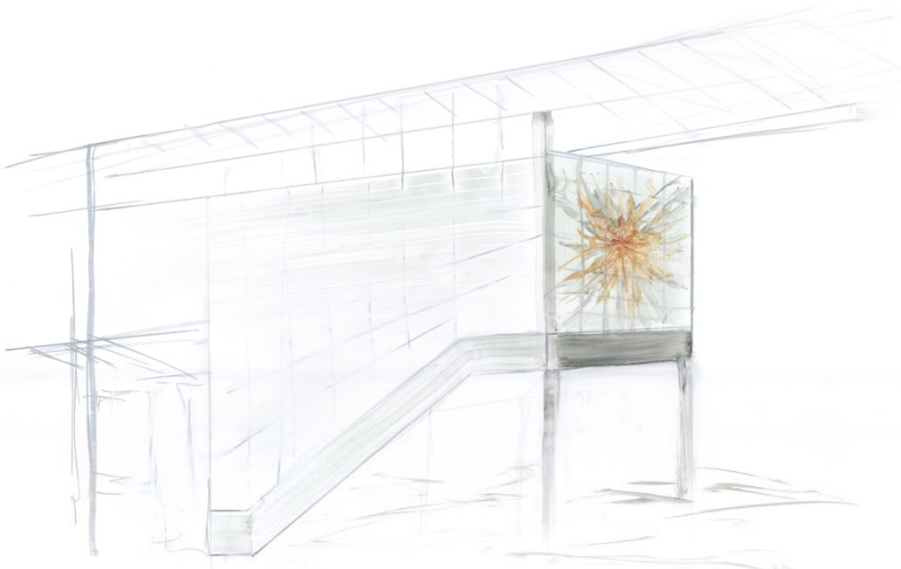

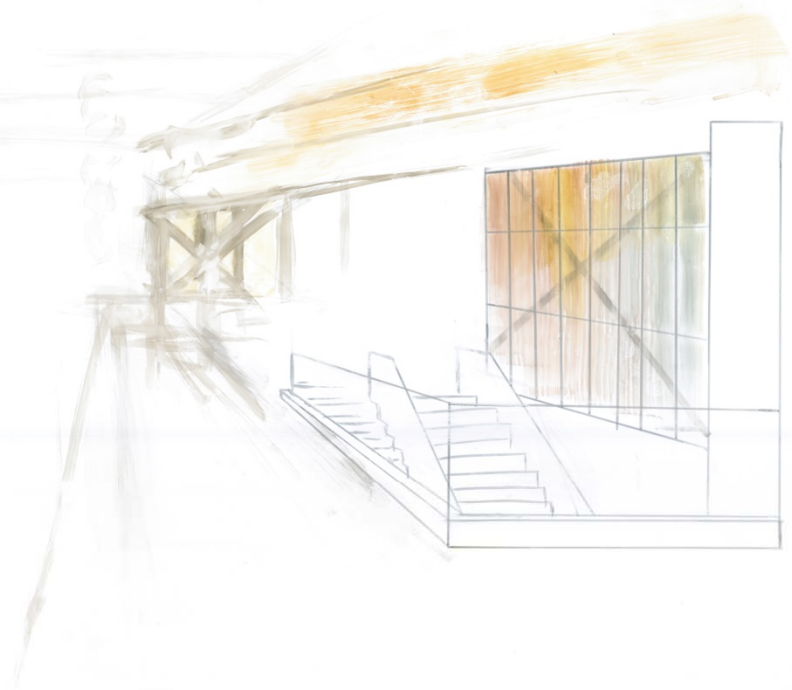

Northgate Station