North Link - Brooklyn Station 60% Design
Light Rail Review Panel Presentation

May 17, 2012

SOUNDTRANSIT
RIDE THE WAVE

North Link

(University District to Northgate)

- 4.3-mile light rail extension
- Stations at U-District (Brooklyn), Roosevelt and Northgate
- Completion: 2021
- 62,000 daily boardings added to system by 2030

SOUNDTRANSIT
RIDE THE WAVE

Brooklyn Station

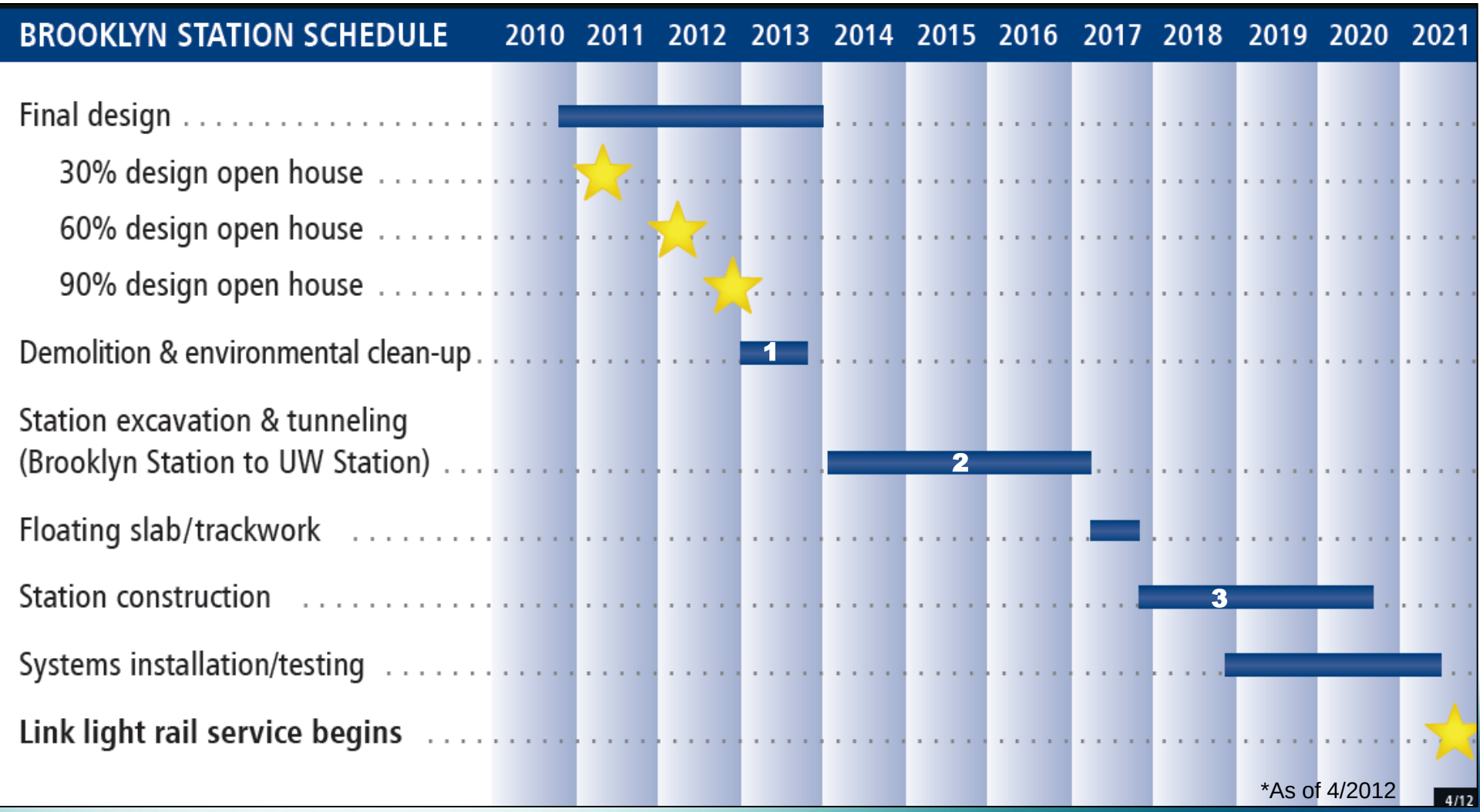
Key Features:

- Station platform, 75-85 ft. underground
  - Elevators, escalators and stairs
  - Bicycle parking
  - 12,000 daily boardings (2030)
- Constrained construction site
- Staging use of Brooklyn Avenue and NE 43rd followed by restoration to City Green Street principles
- Designed to accommodate future building above station
- LRRP reviewed 30% design on June 2nd

SOUNDTRANSIT
RIDE THE WAVE

Brooklyn Station Schedule

DRAFT



SOUNDTRANSIT
RIDE THE WAVE

ST Sustainability

- Design
  - Sustainability checklist tailored to transit
  - Standard materials and lighting fixtures
  - Native and adaptive plants and low water irrigation
  - Use recycled materials, concrete, steel, glass
  - Maximize daylight & Advanced lighting controls
  - Low Impact Drainage
  - Total cost of ownership evaluation:
    - LED lighting
    - Photovoltaics
    - Rainwater harvesting
    - Permeable pavement

ST Sustainability

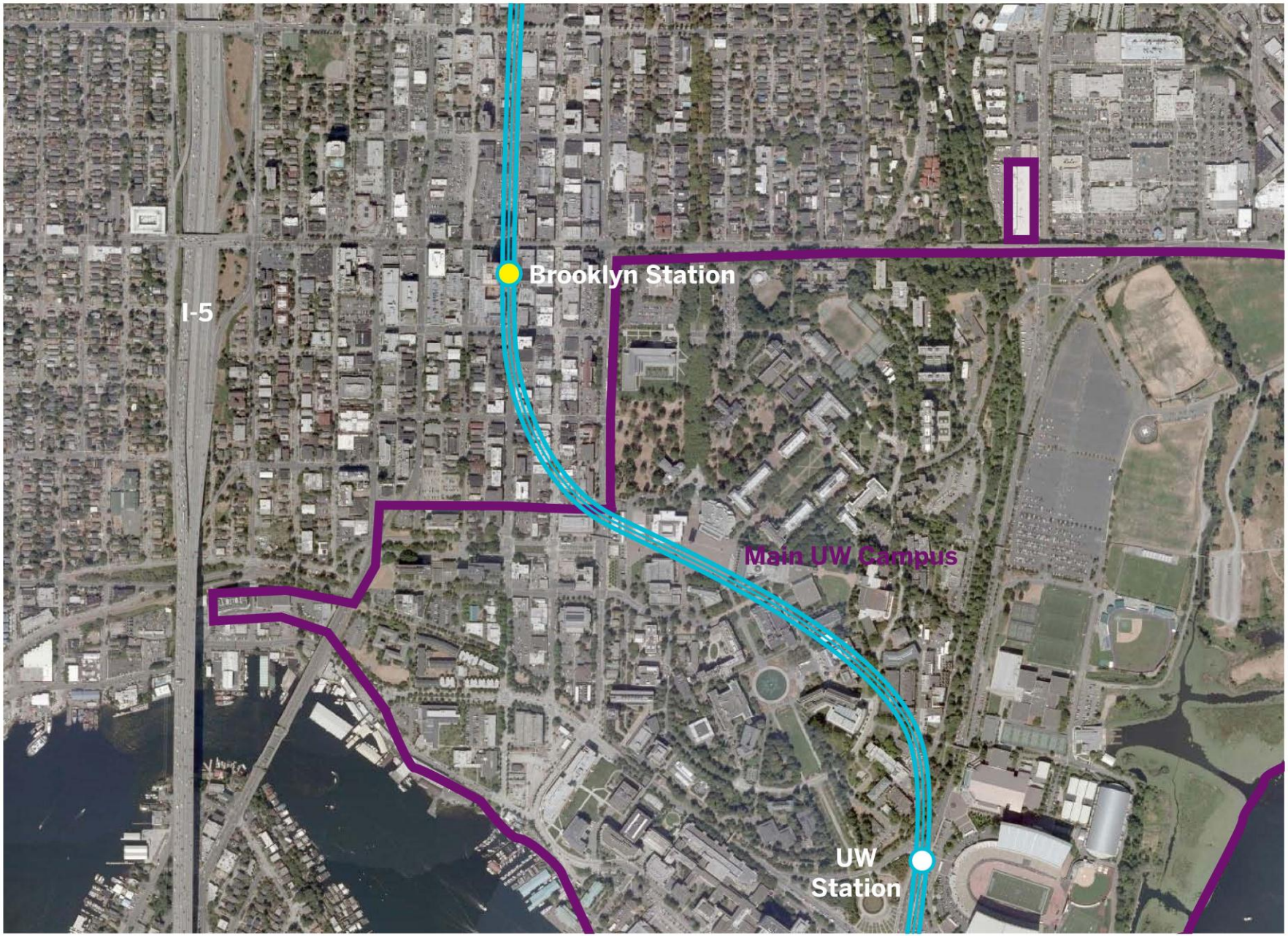
Construction

- Salvage materials, recycling, house moving prior to demolition
- Demolition and waste management requirements

ST Sustainability

Construction, continued

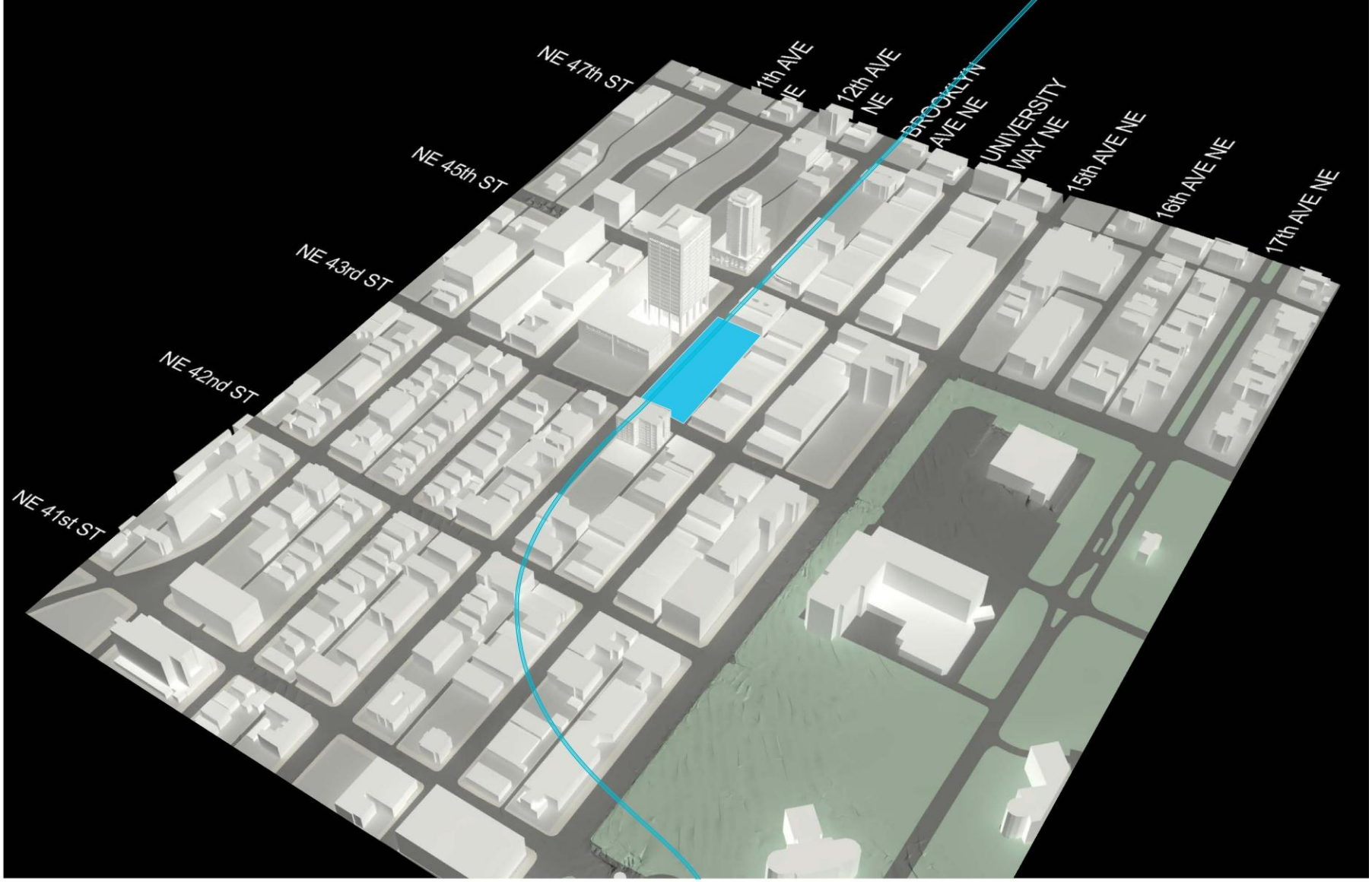
- Contractor incentives
  - No idle zones
  - Scrubbers on equipment
  - Electric or biodiesel equipment
  - Employee transit passes & carpooling
  - Employee storage & laundry on site
  - Construction debris recycling & oil recycling
- Build it right the first time



JACOBS ASSOCIATES

City Context

SOUNDTRANSIT



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District Context

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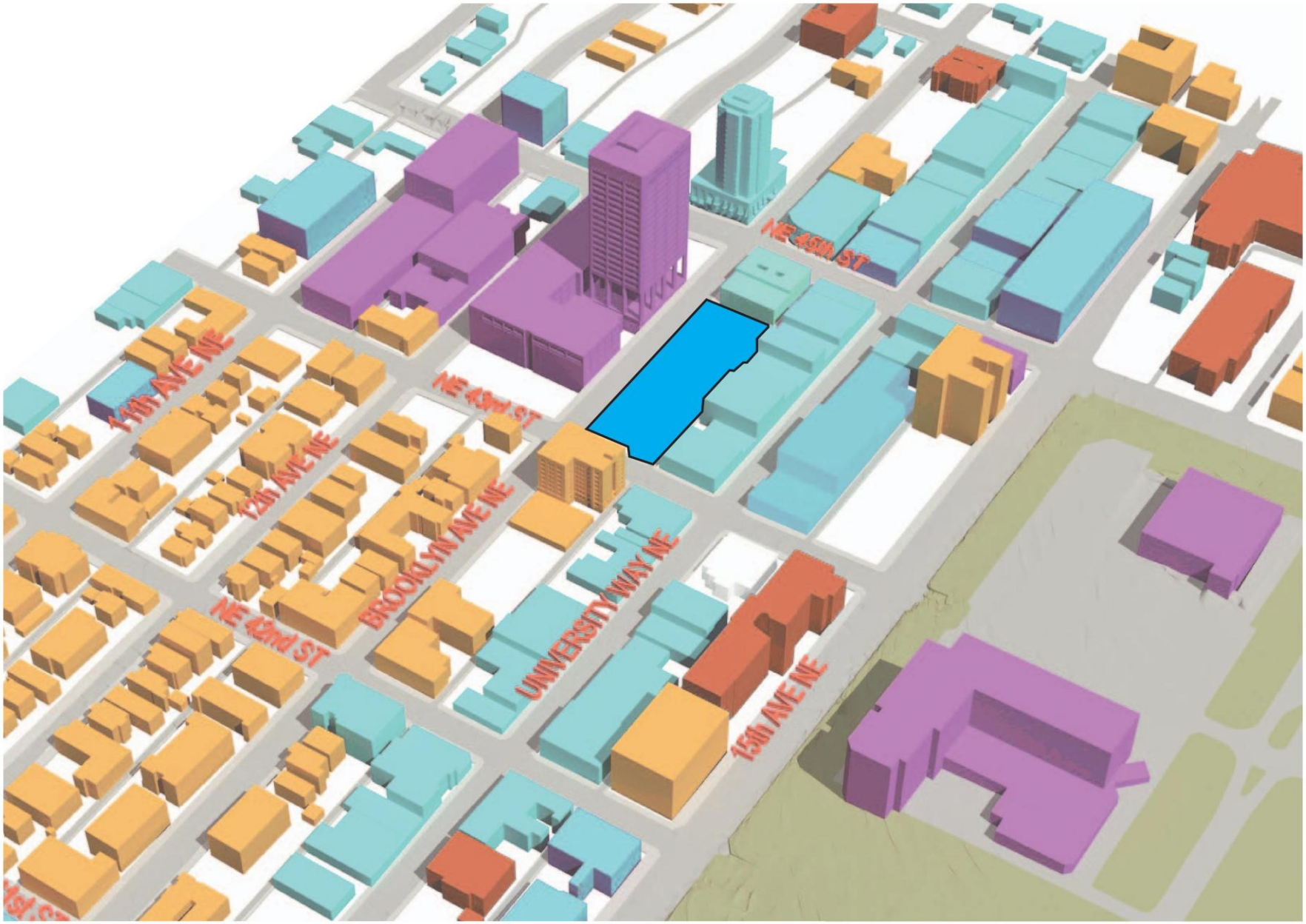

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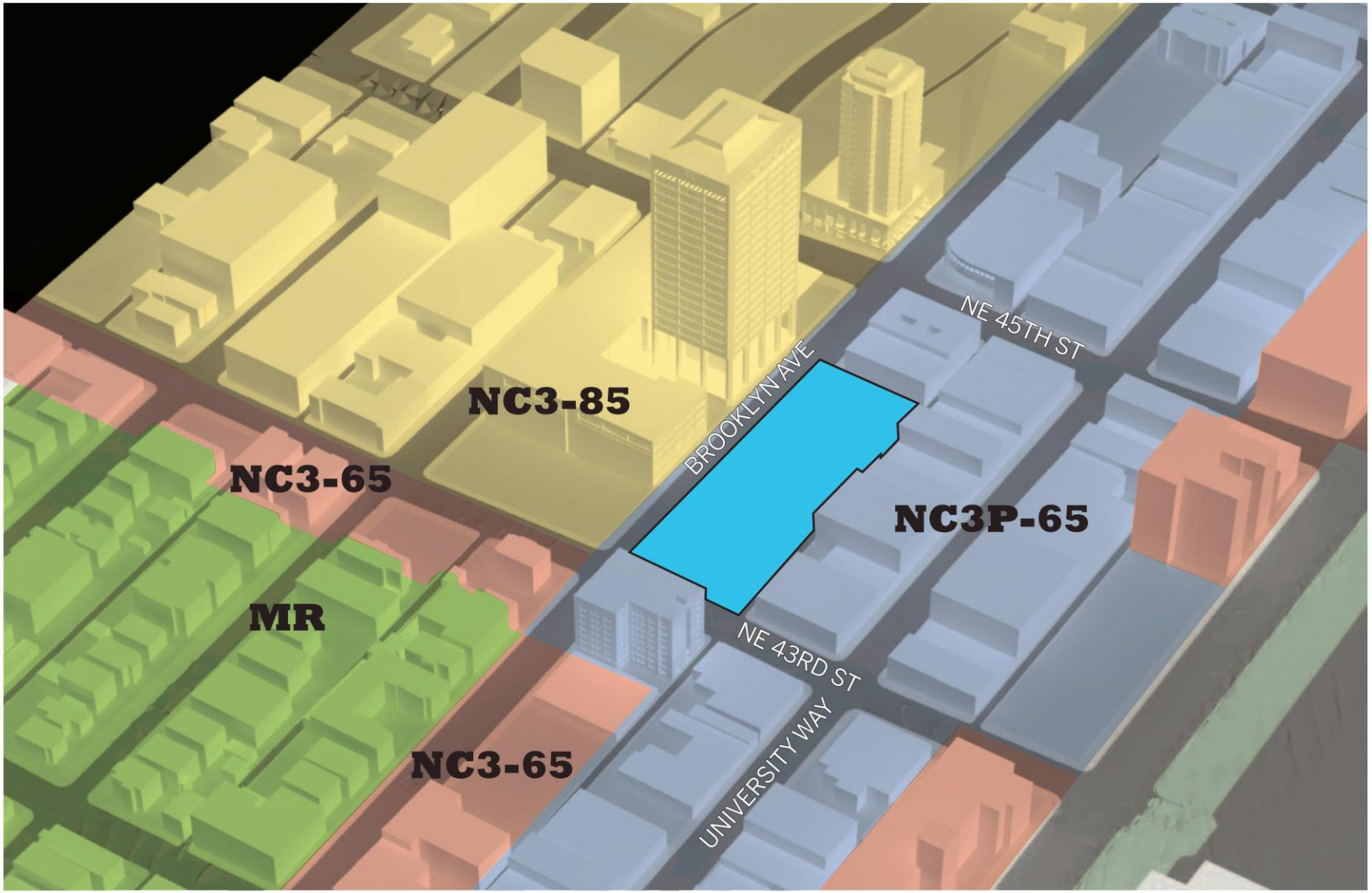
Building Use

SOUNDTRANSIT



NC3-85 :
NEIGHBORHOOD COMMERCIAL 3
85'-0" HEIGHT LIMIT

NC3-65:
NEIGHBORHOOD COMMERCIAL 3
65'-0" HEIGHT LIMIT

NC3P-65:
NEIGHBORHOOD COMMERCIAL 3
PEDESTRIAN ORIENTED
65'-0" HEIGHT LIMIT

MR:
NEIGHBORHOOD COMMERCIAL 3
60'-0" HEIGHT LIMIT

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Zoning Context

SOUNDTRANSIT

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Neptune Theatre From NE 45th St. & Brooklyn Ave.

SOUNDTRANSIT

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University Manor Apartments From Brooklyn Ave. and NE 43rd St.

SOUNDTRANSIT

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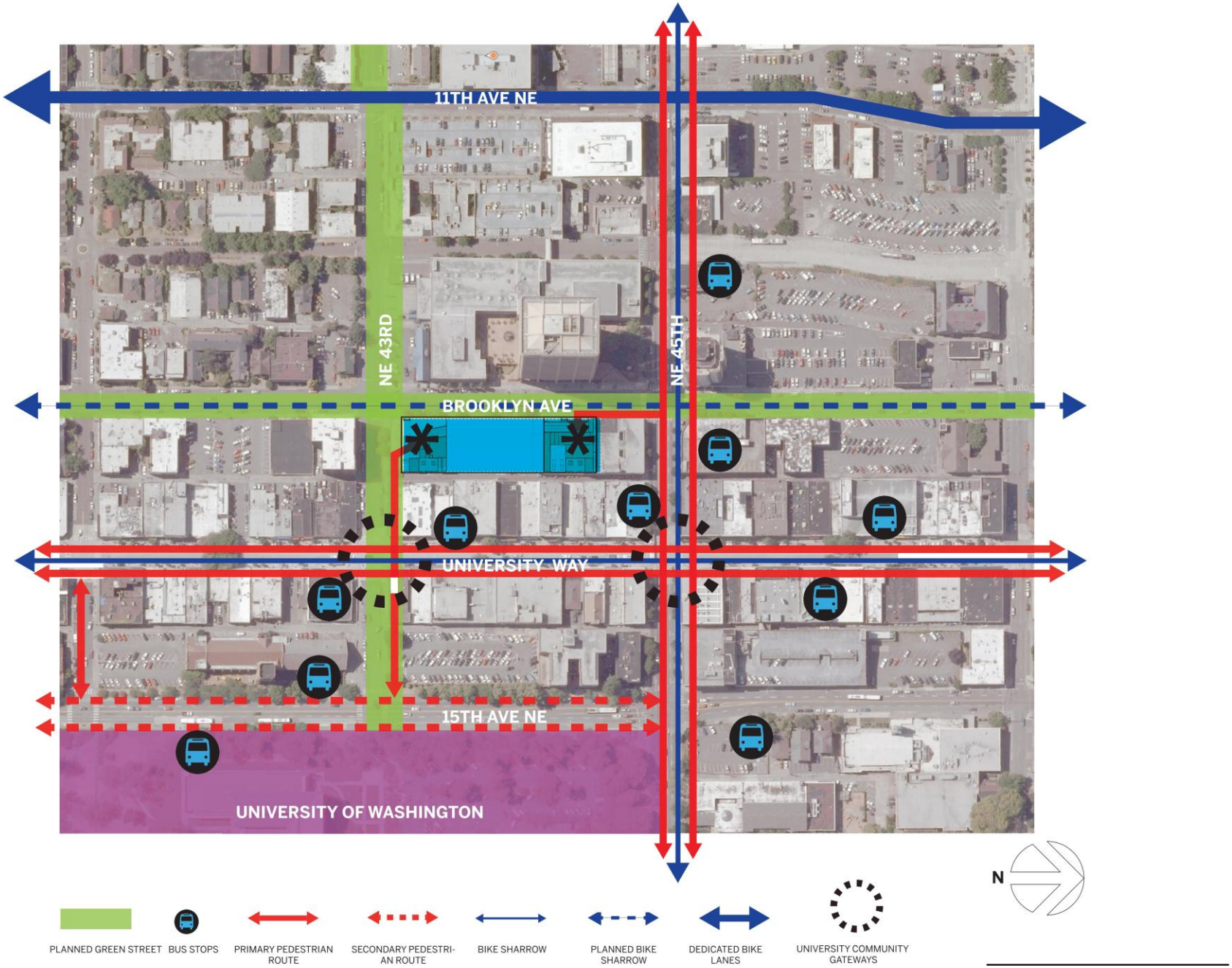
Future South Entry NE 43rd St. & Brooklyn Ave.

SOUNDTRANSIT



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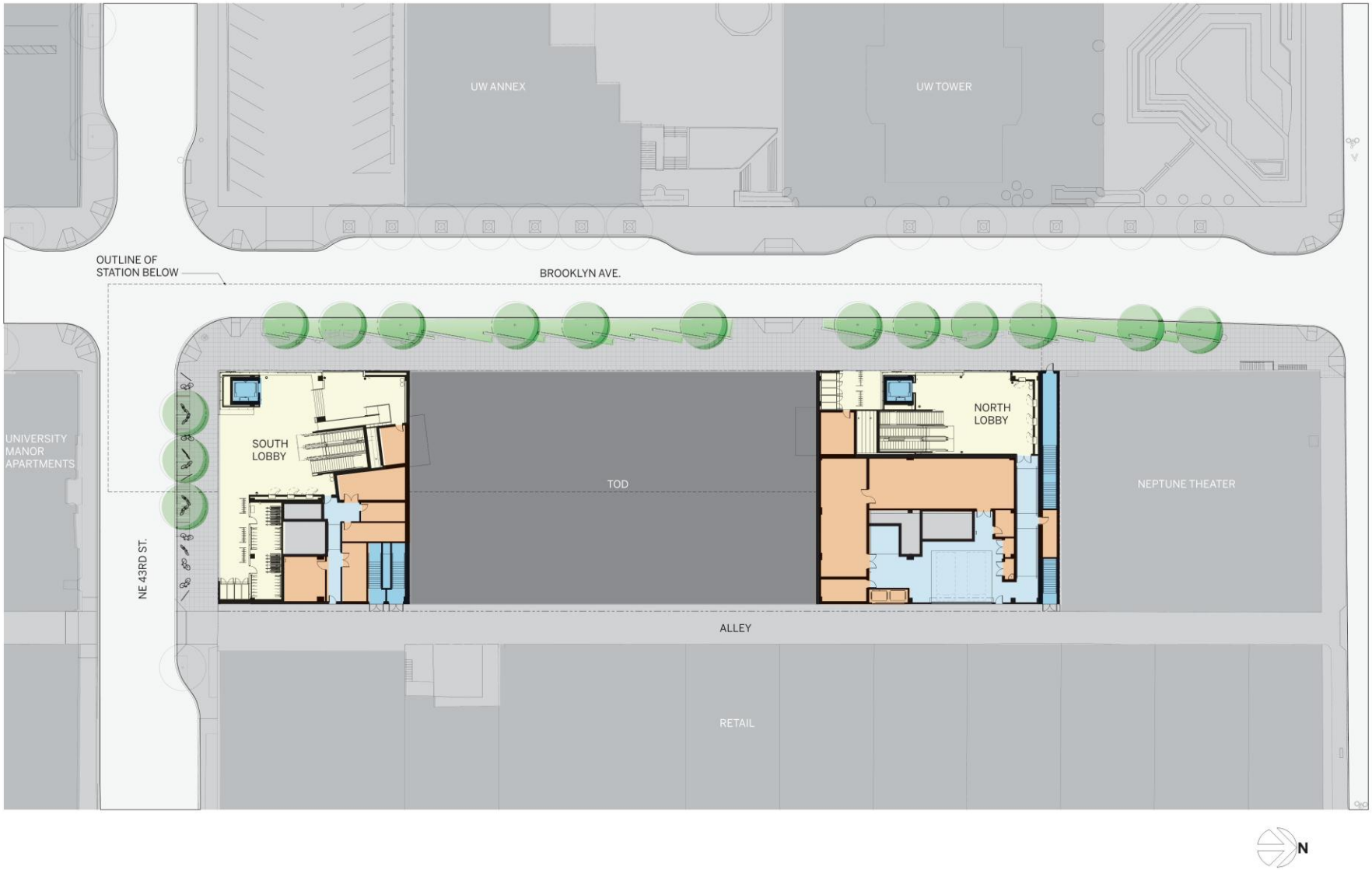
Transit & Pedestrian & Bicycle Connections

SOUNDTRANSIT



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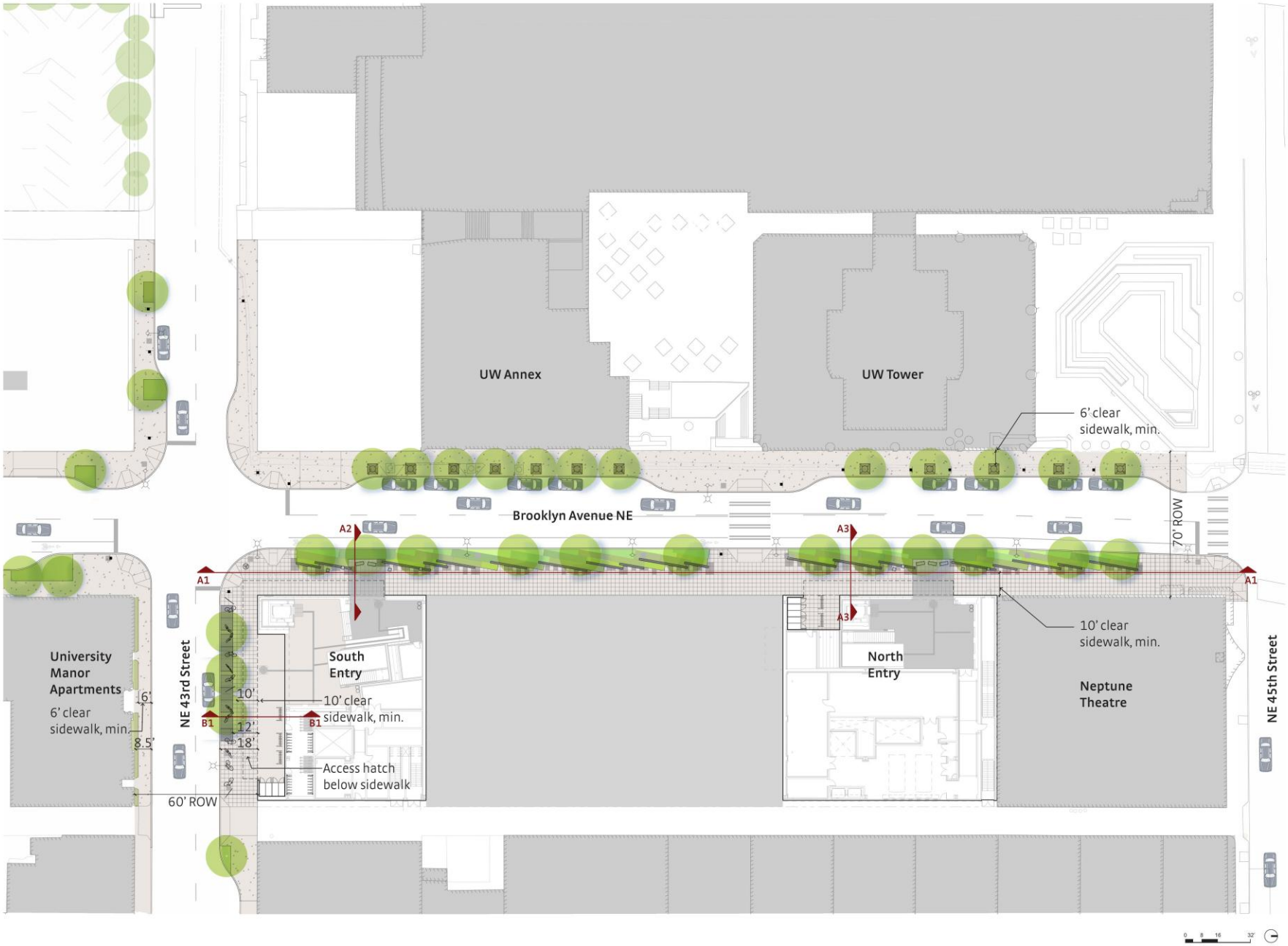
Site Plan

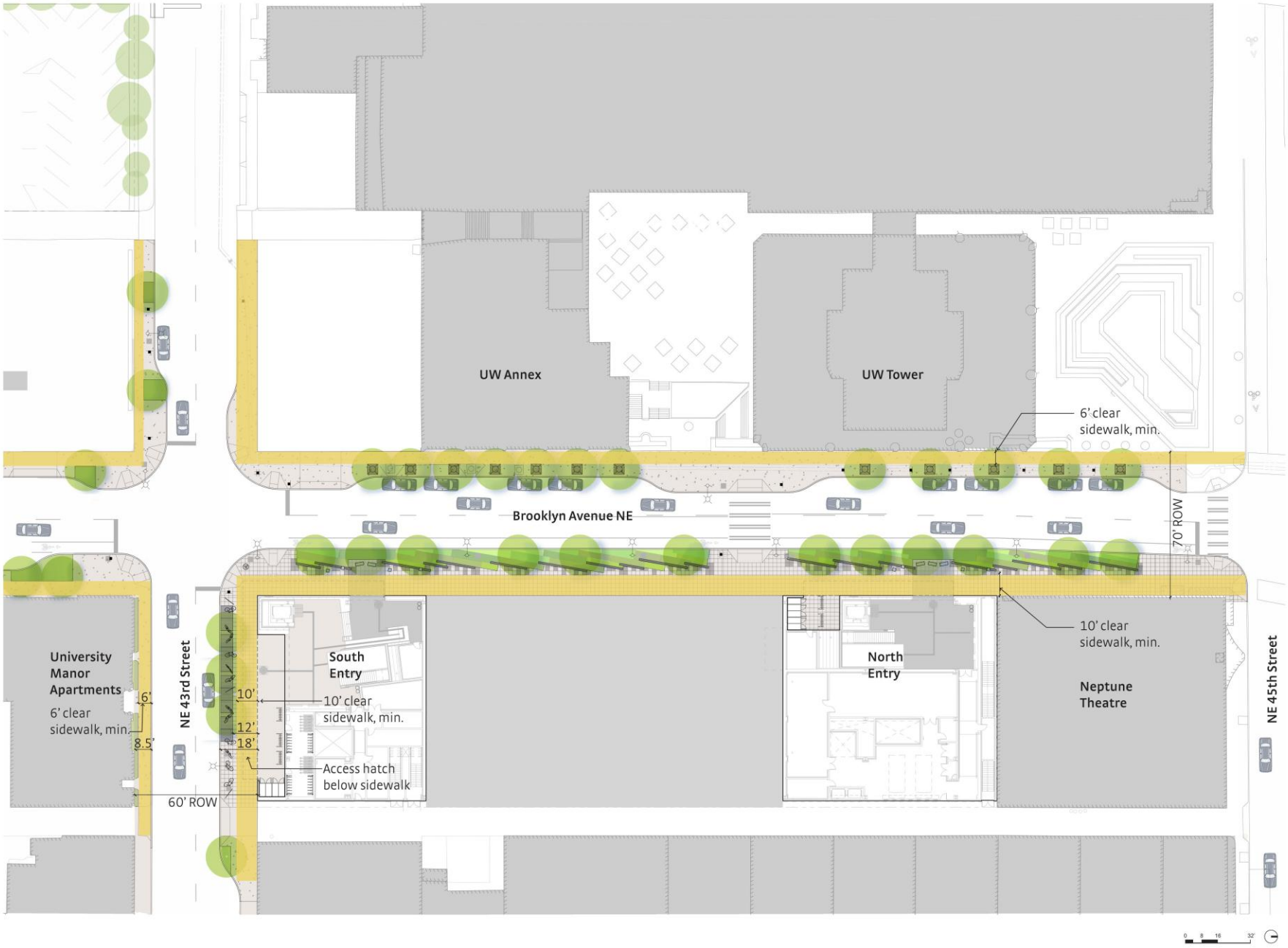
SOUNDTRANSIT



SWIFT COMPANY LLC
JACOBS ASSOCIATES

Site Plan

SOUNDTRANSIT



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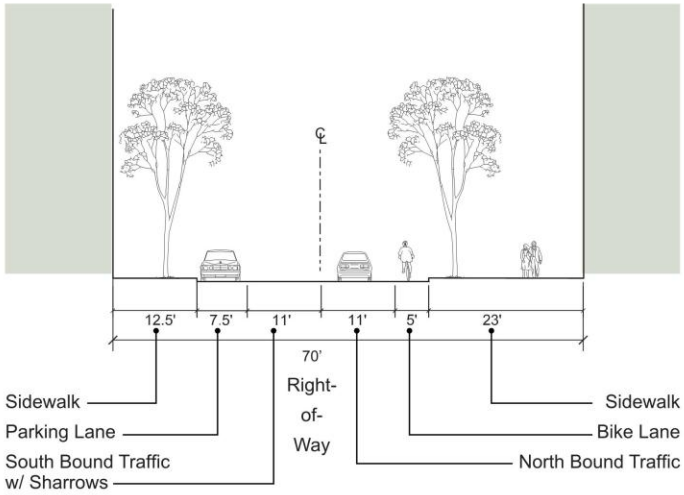
JACOBS ASSOCIATES

Pedestrian Through Zones

SOUNDTRANSIT



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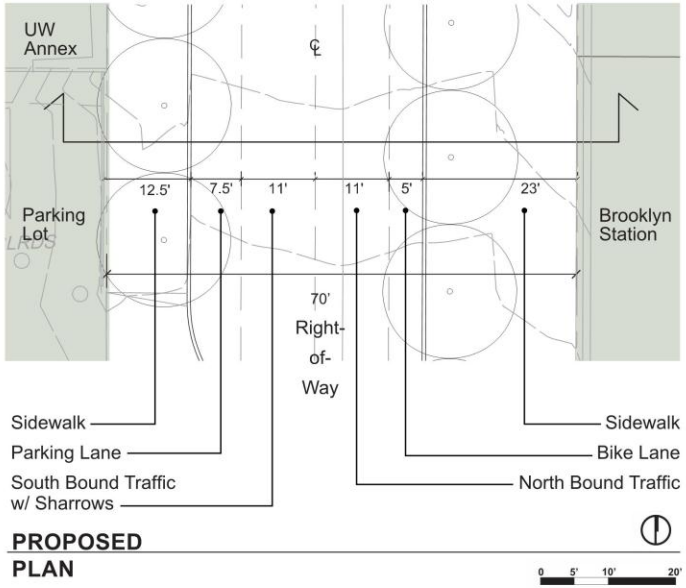

PROPOSED PLAN

SWIFT COMPANY LLC
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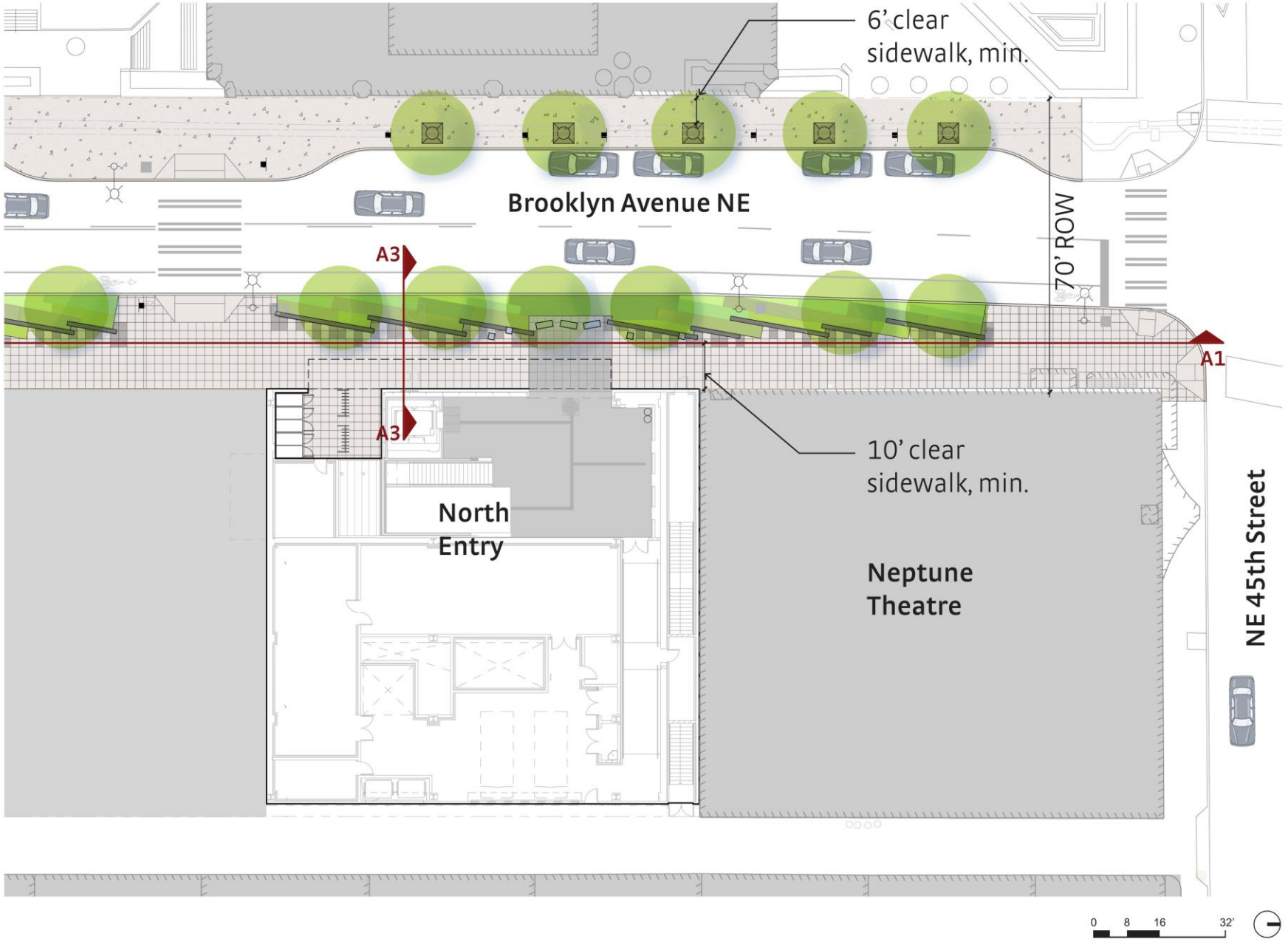
Brooklyn Roadway Cross Section

SOUNDTRANSIT



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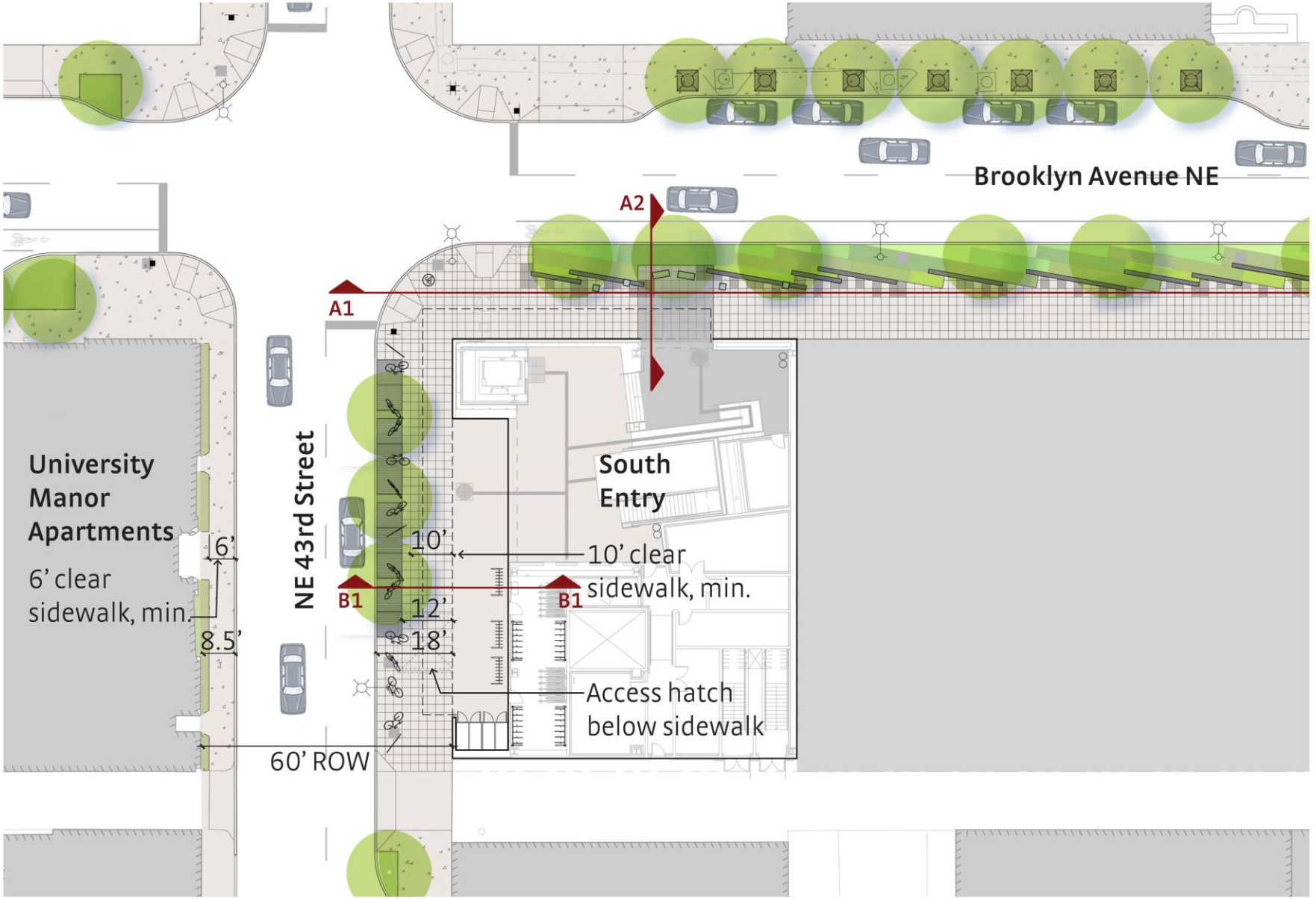
North Entry Plan

SOUNDTRANSIT



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South Entry Plan

SOUNDTRANSIT

Enlargement

Section A1-A1

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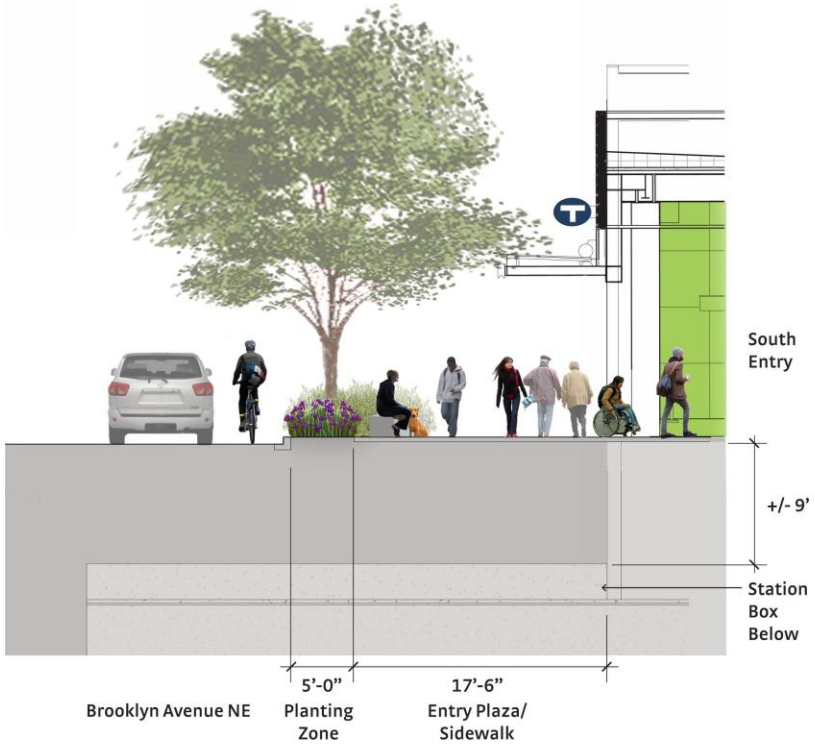
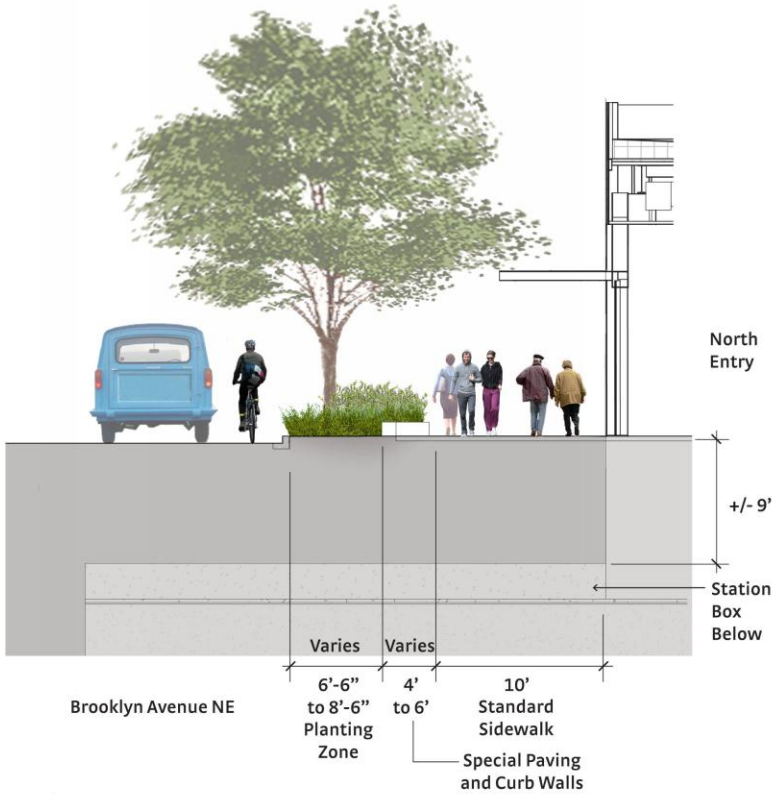
JACOBS ASSOCIATES

3-D Studies

SOUNDTRANSIT



Section A2-A2
@ South Entry
Looking North

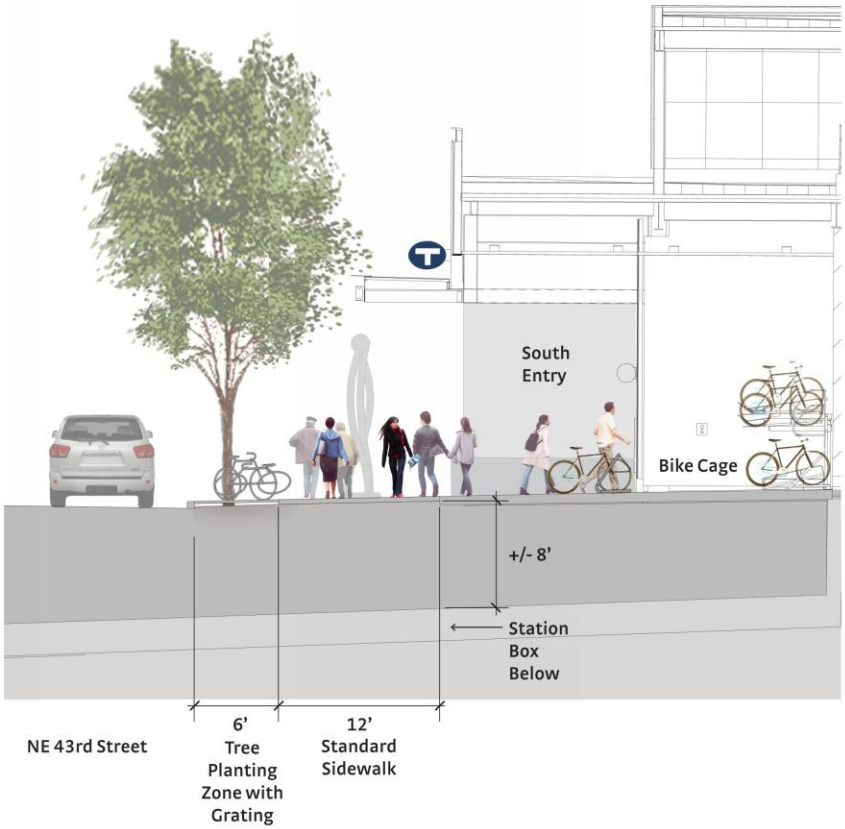


Section A3-A3
@ North Entry
Looking North

SWIFT COMPANY LLC
JACOBS ASSOCIATES

Site Sections

SOUNDTRANSIT



Section B1-B1
@ South Entry
Looking West

0 2 4 8'

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Site Sections

SOUNDTRANSIT

6th Between Denny + John

Gates Foundation on 5th

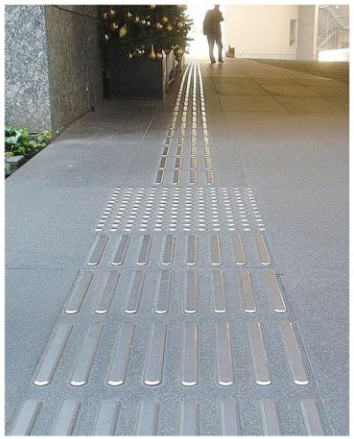
Maynard Avenue South

SWIFT COMPANY LLC
JACOBS ASSOCIATES

Seattle Streetscape Precendents

SOUNDTRANSIT

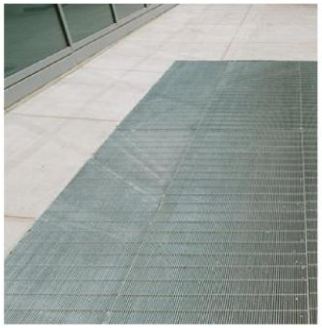
PAVING



LANDSCAPE CURB WALLS

SEATING

GRATES



MULTI-PURPOSE

SWIFT COMPANY LLC
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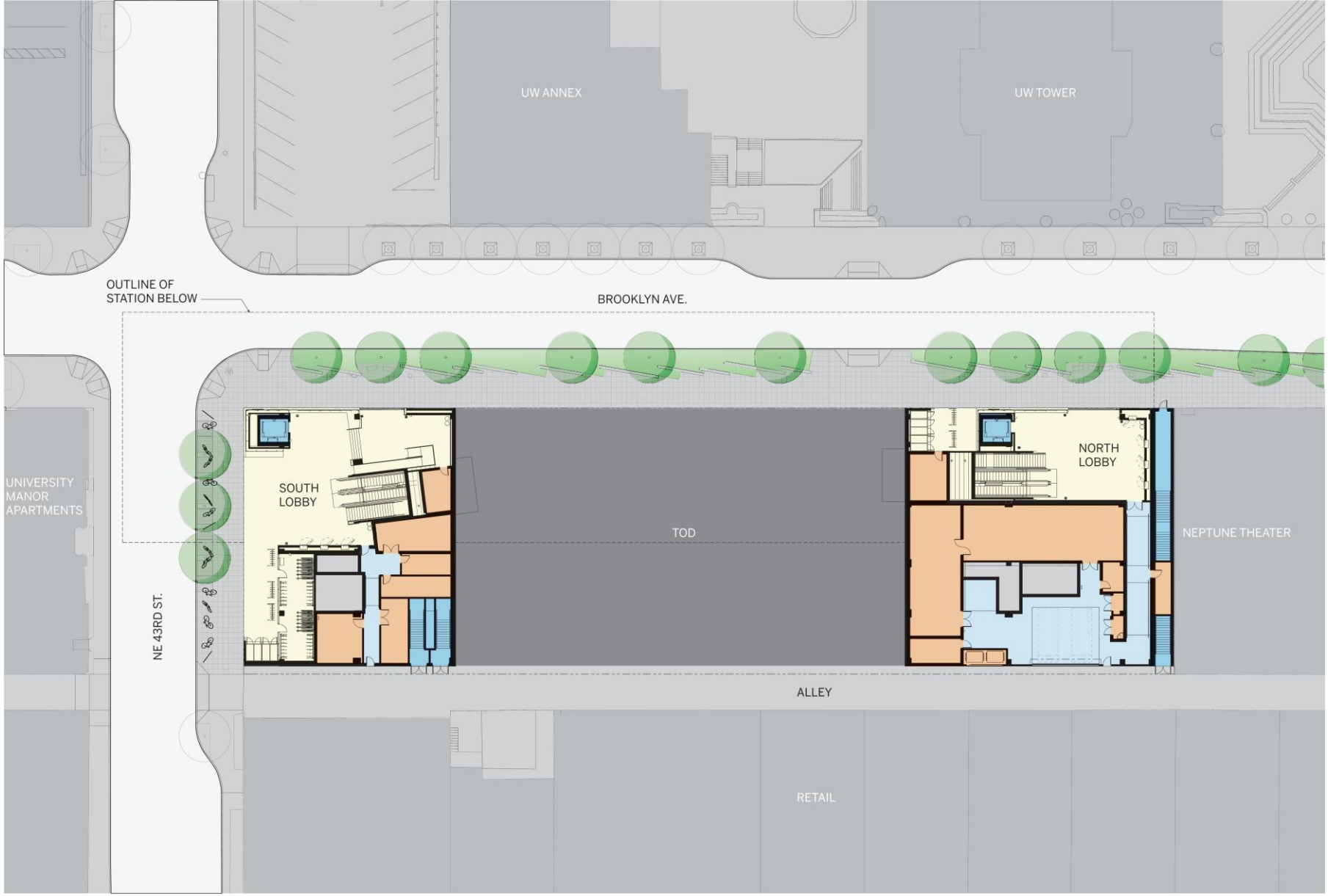
Trees and Plants

SOUNDTRANSIT



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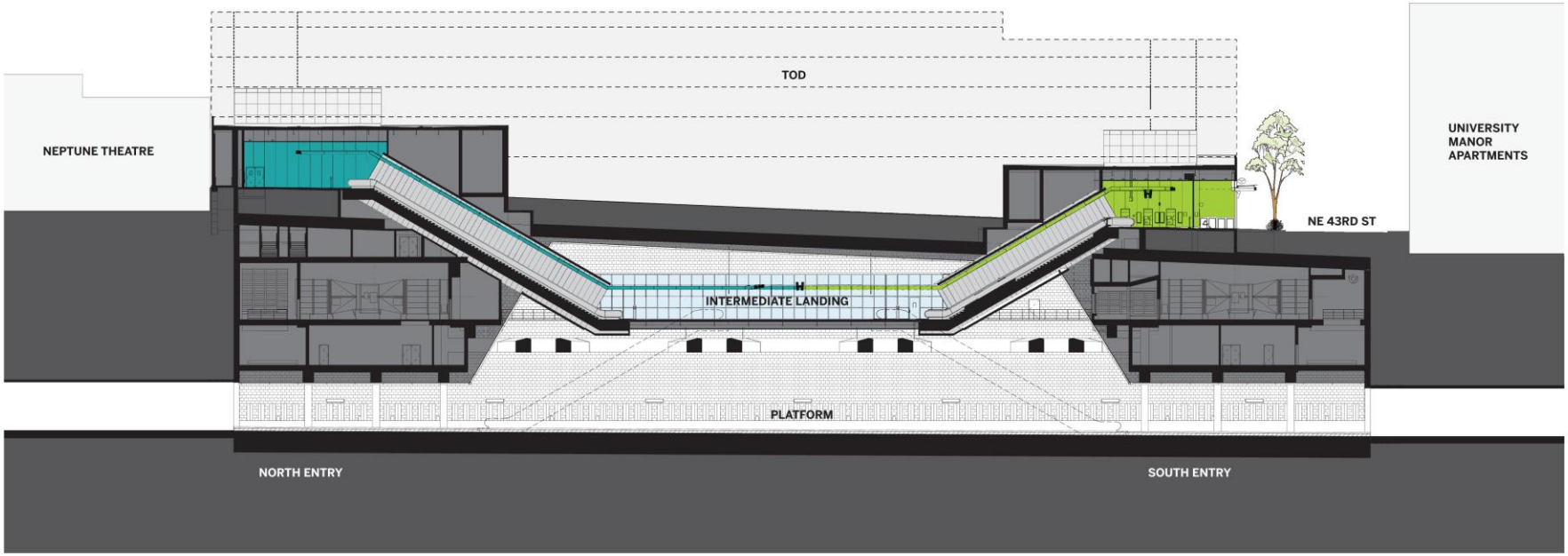
Grade Level

SOUNDTRANSIT



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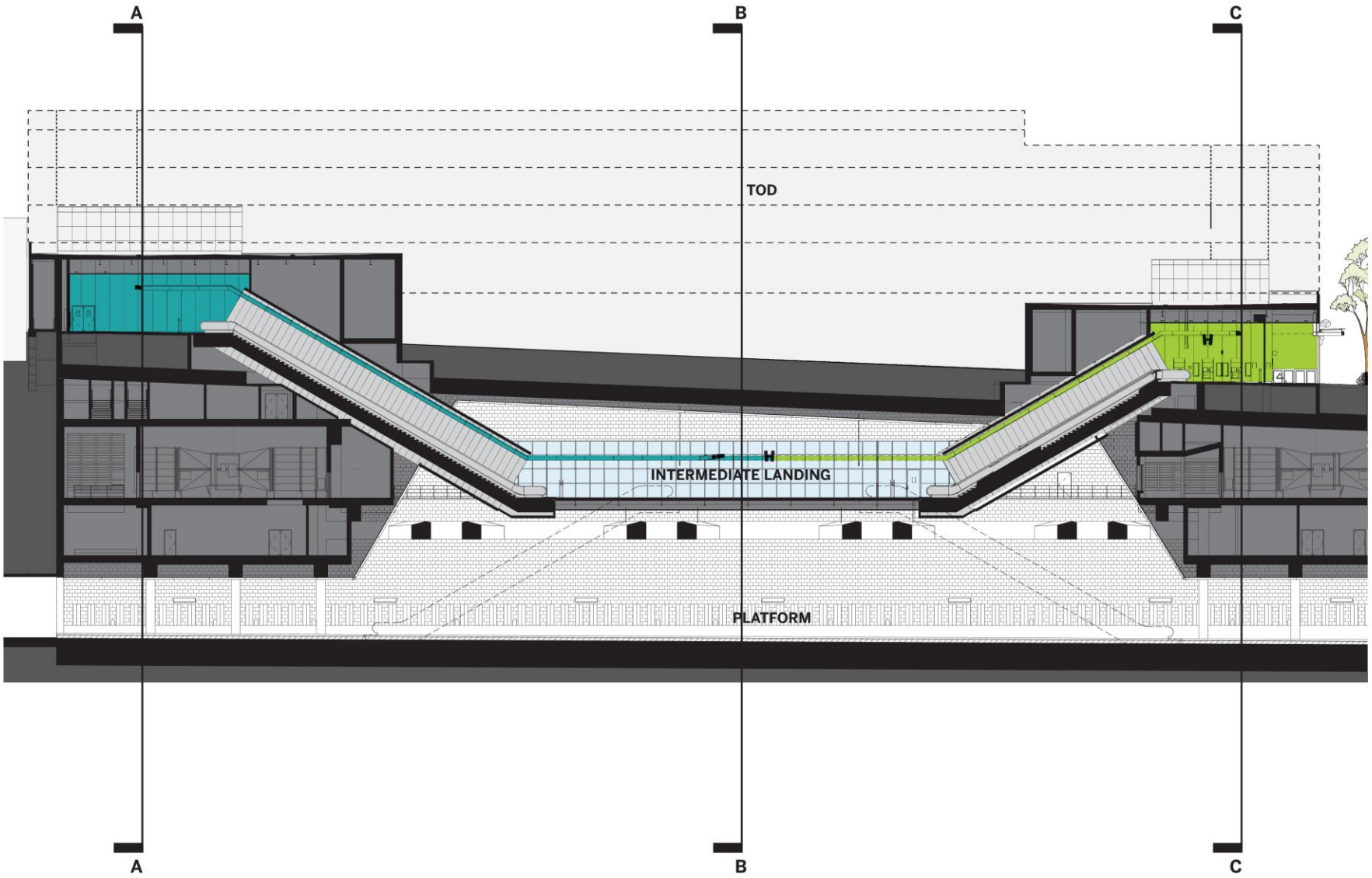
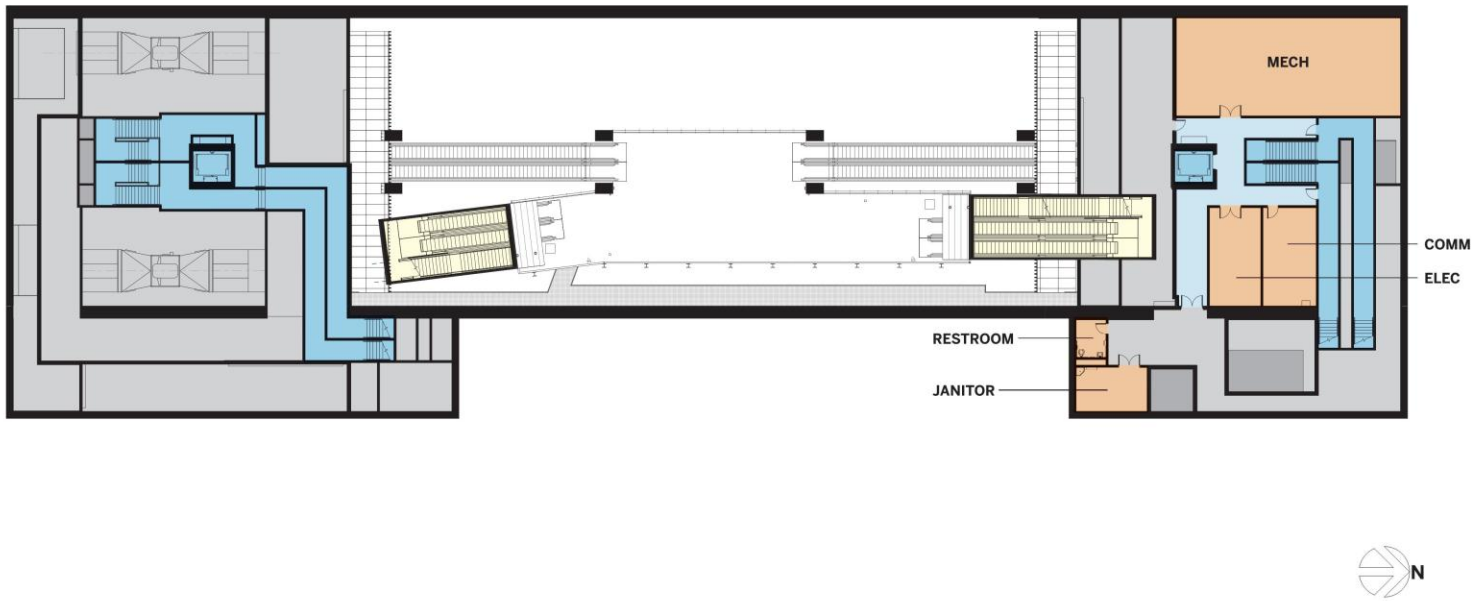
Longitudinal Section - Looking East

SOUNDTRANSIT



Longitudinal Section



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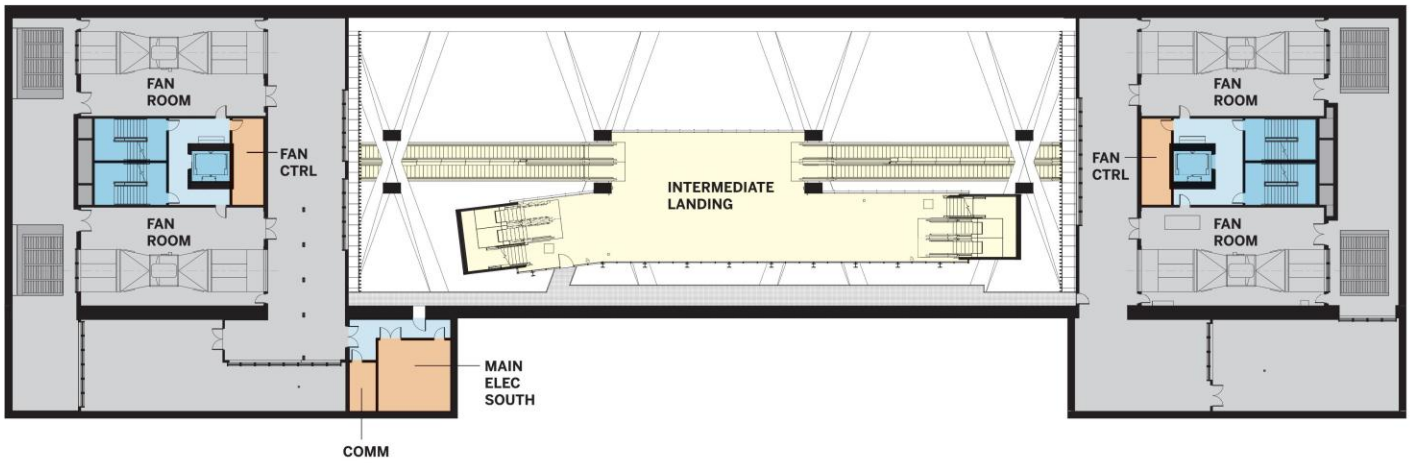
Basement Level 1

SOUNDTRANSIT



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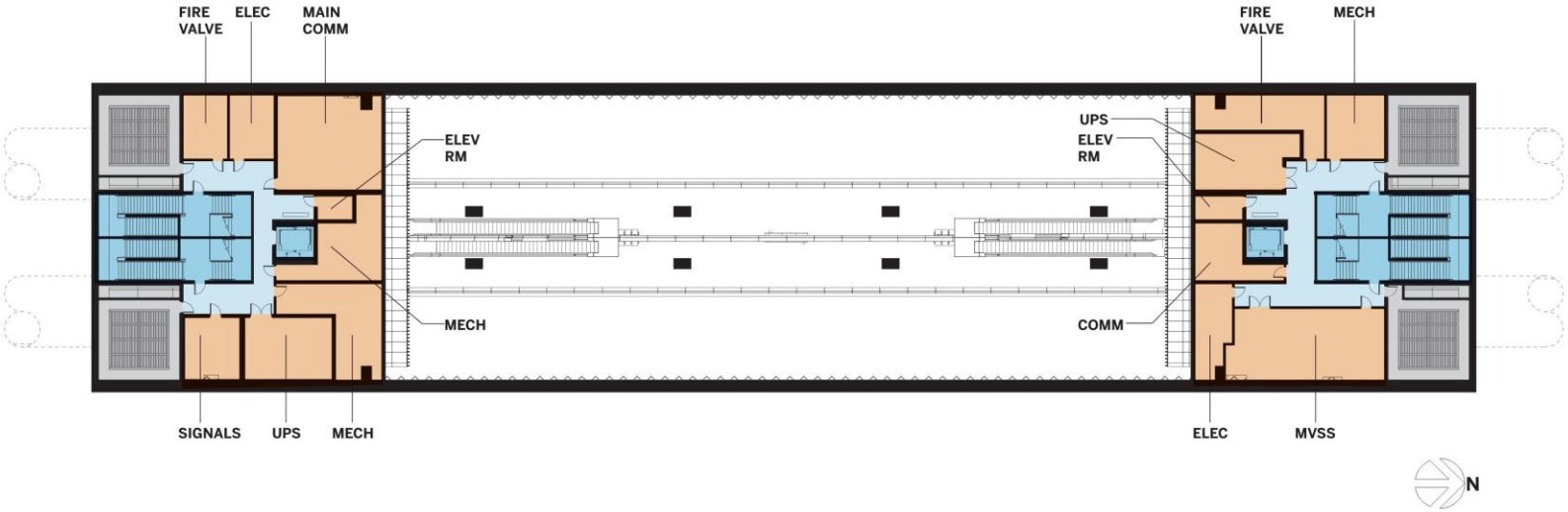
Basement Level 2

SOUNDTRANSIT



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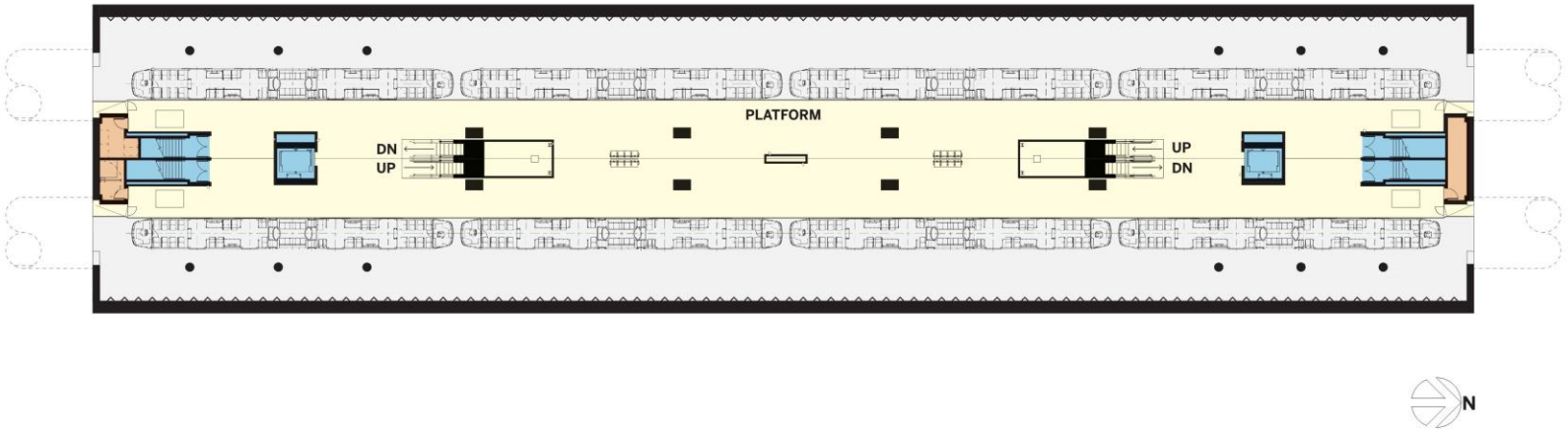
Basement Level 3

SOUNDTRANSIT



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Platform Level

SOUNDTRANSIT

Without Transit-Oriented Development

With Transit-Oriented Development

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West Elevation

SOUNDTRANSIT

Without Transit-Oriented Development

With Transit-Oriented Development

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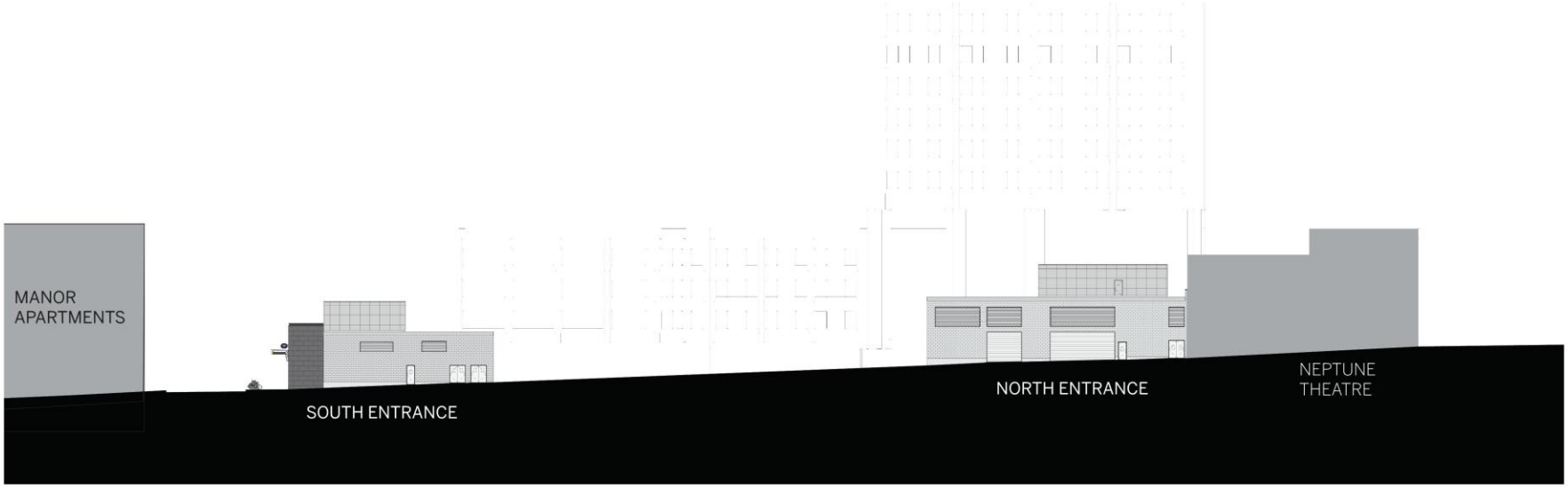
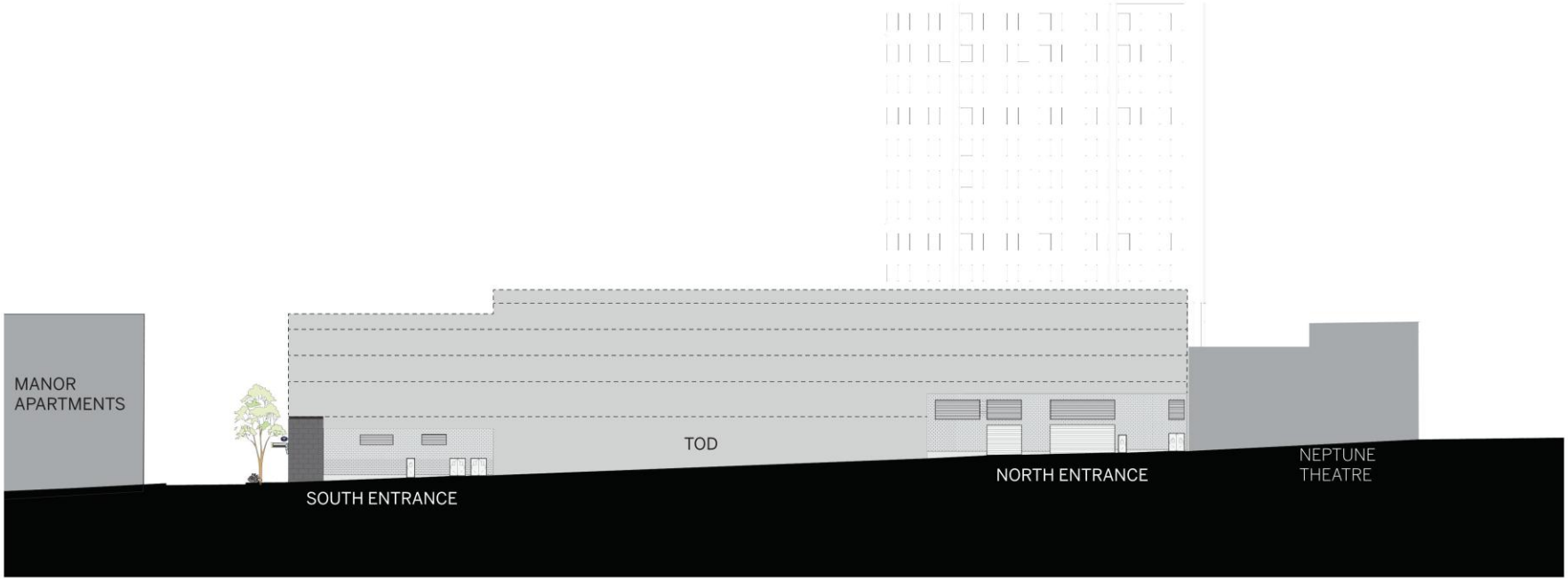
South Elevation

SOUNDTRANSIT



Without Transit-Oriented Development



With Transit-Oriented Development

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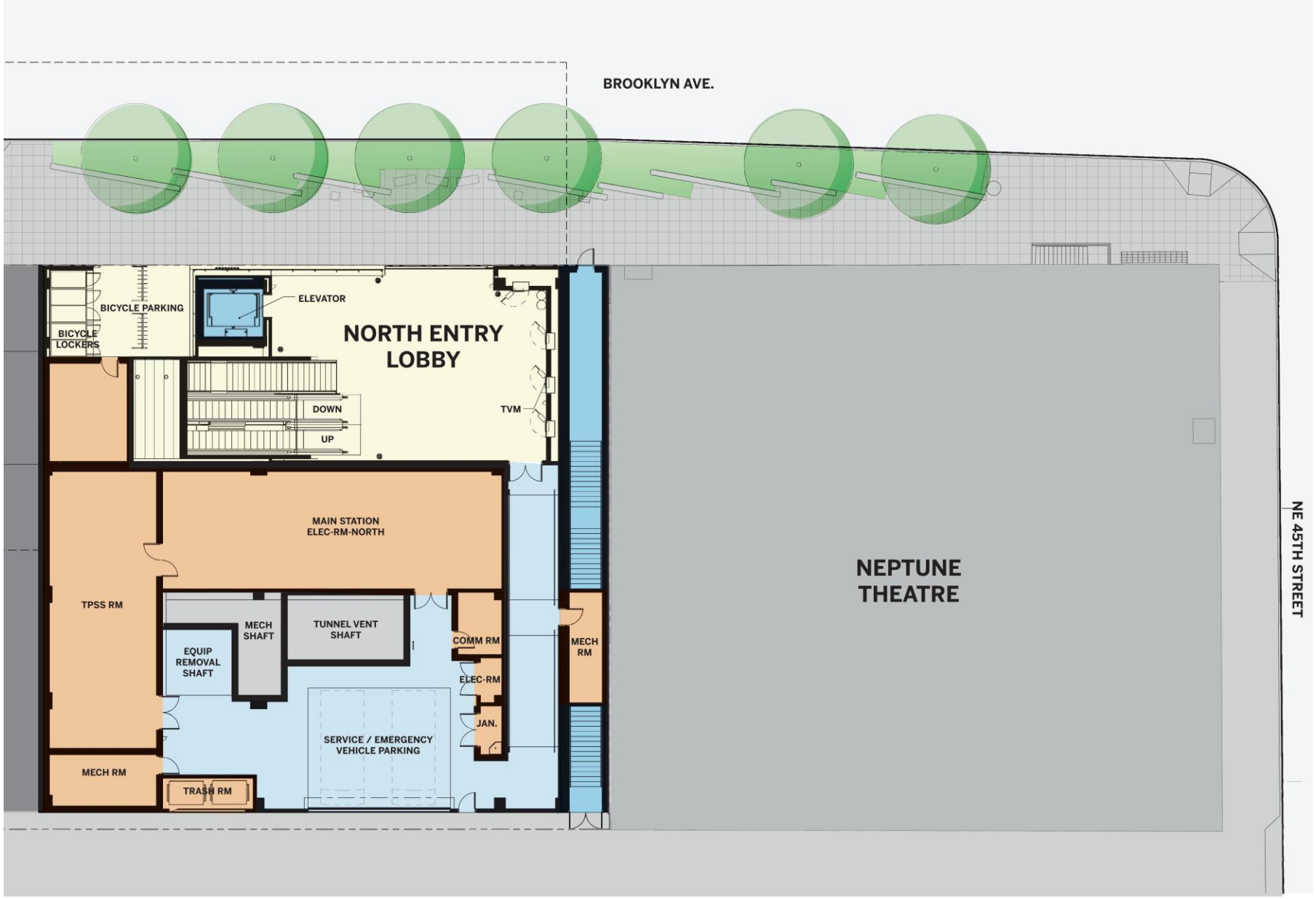
East Elevation

SOUNDTRANSIT



JACOBS ASSOCIATES

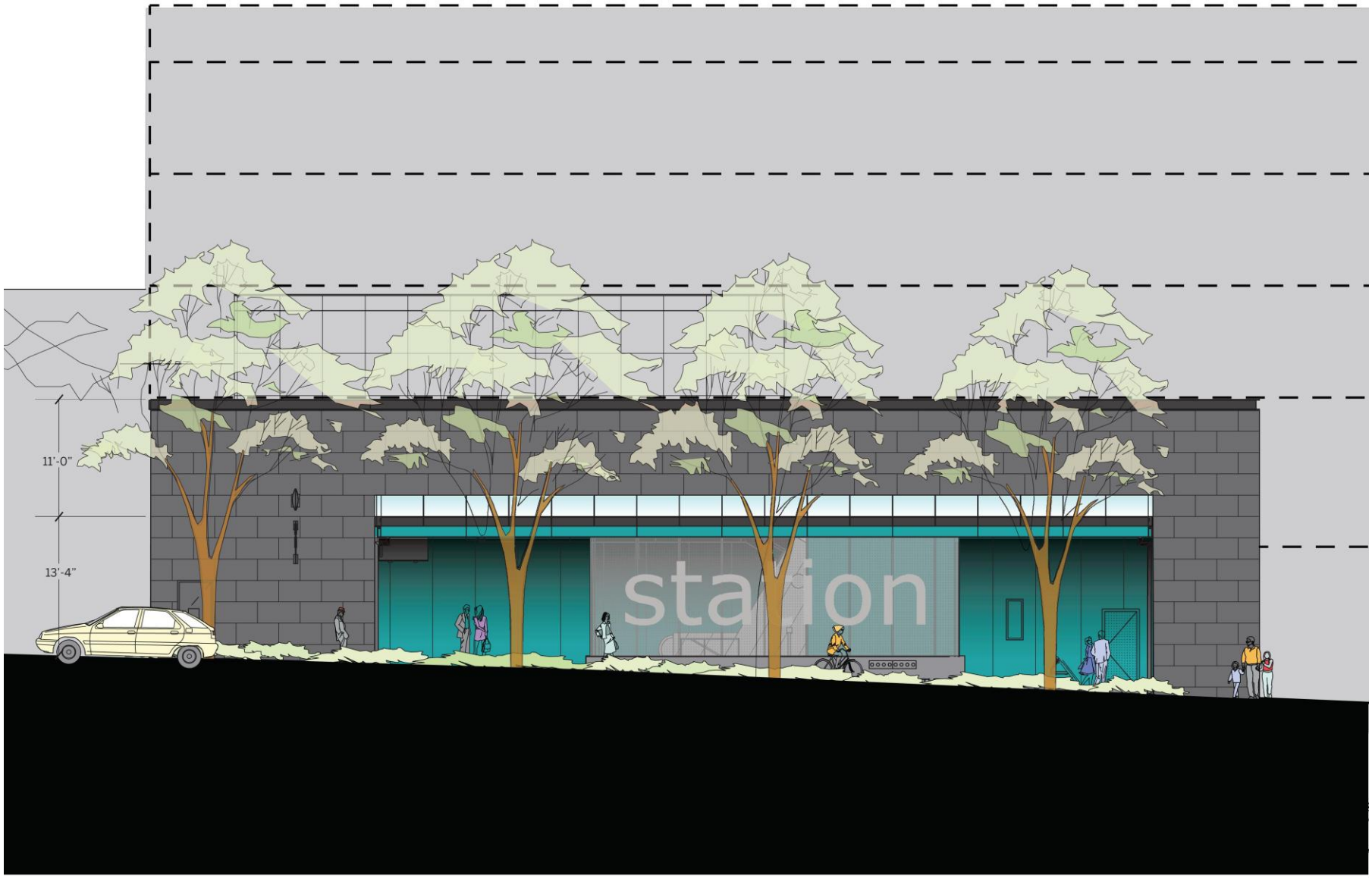
North Entrance Plan

SOUNDTRANSIT

JACOBS ASSOCIATES

North Entrance Study Model

SOUNDTRANSIT



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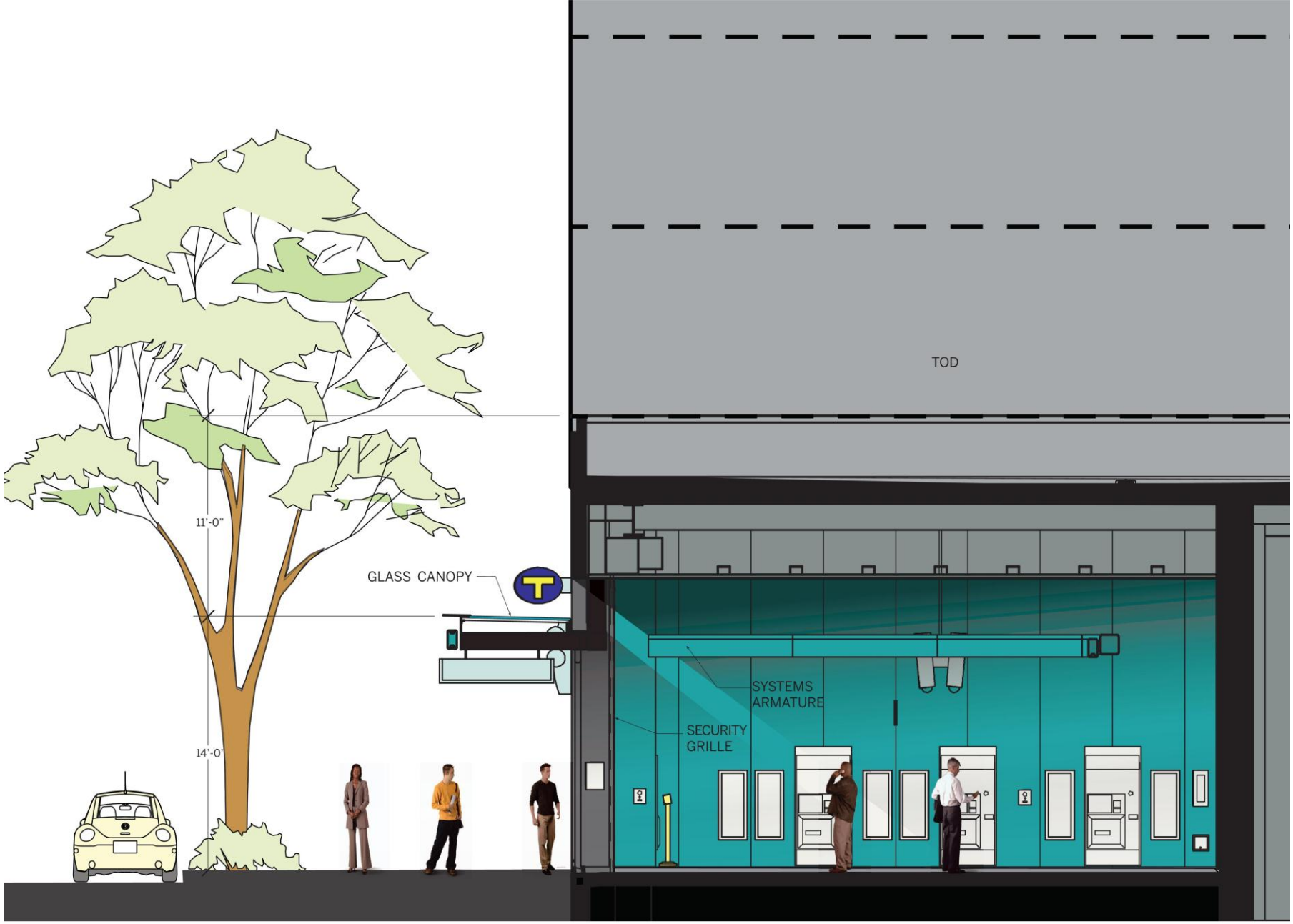
North Entrance - West Elevation

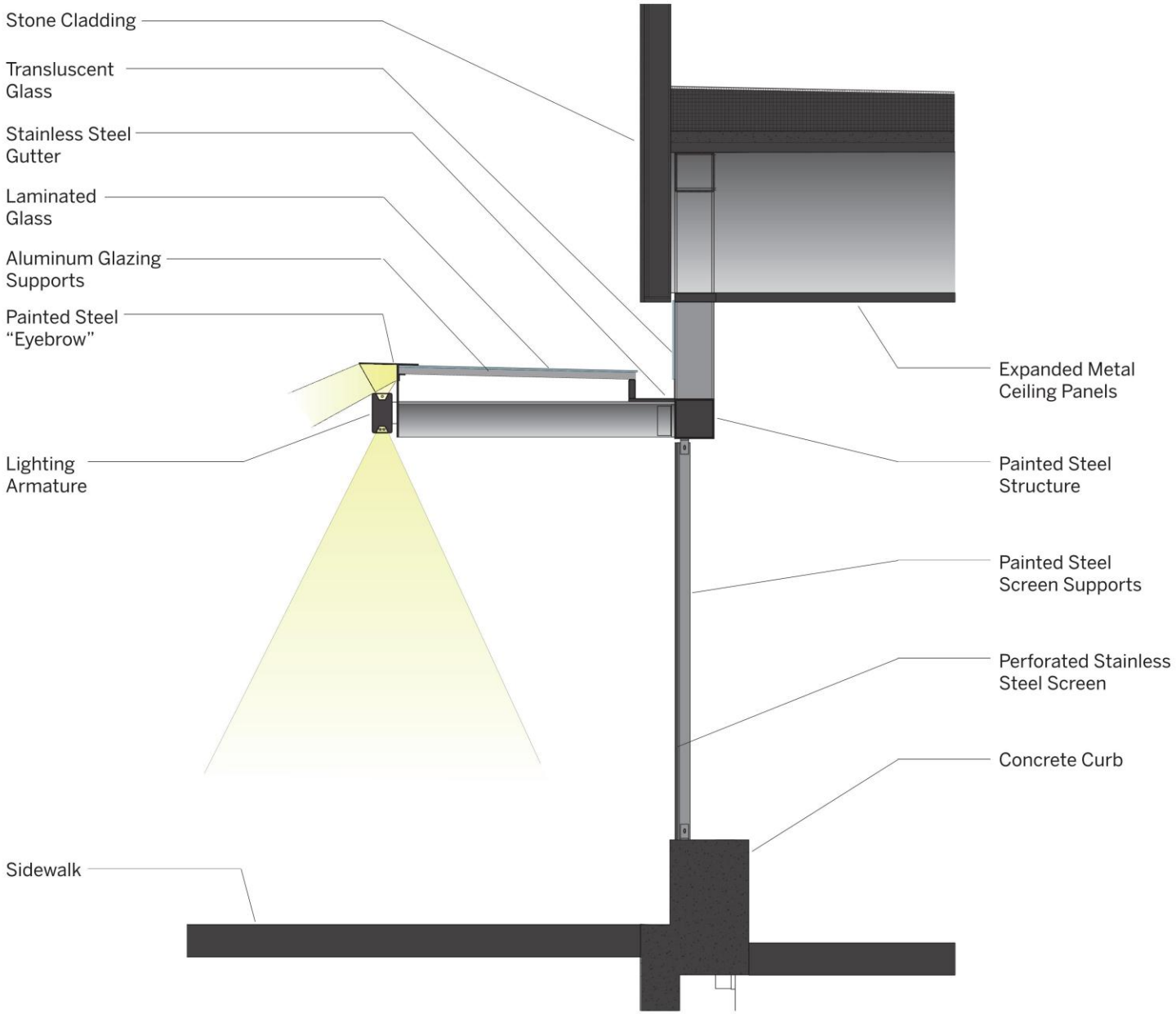
SOUNDTRANSIT



JACOBS ASSOCIATES

Enlarged Cross-Section A-A @ North Entrance

SOUNDTRANSIT



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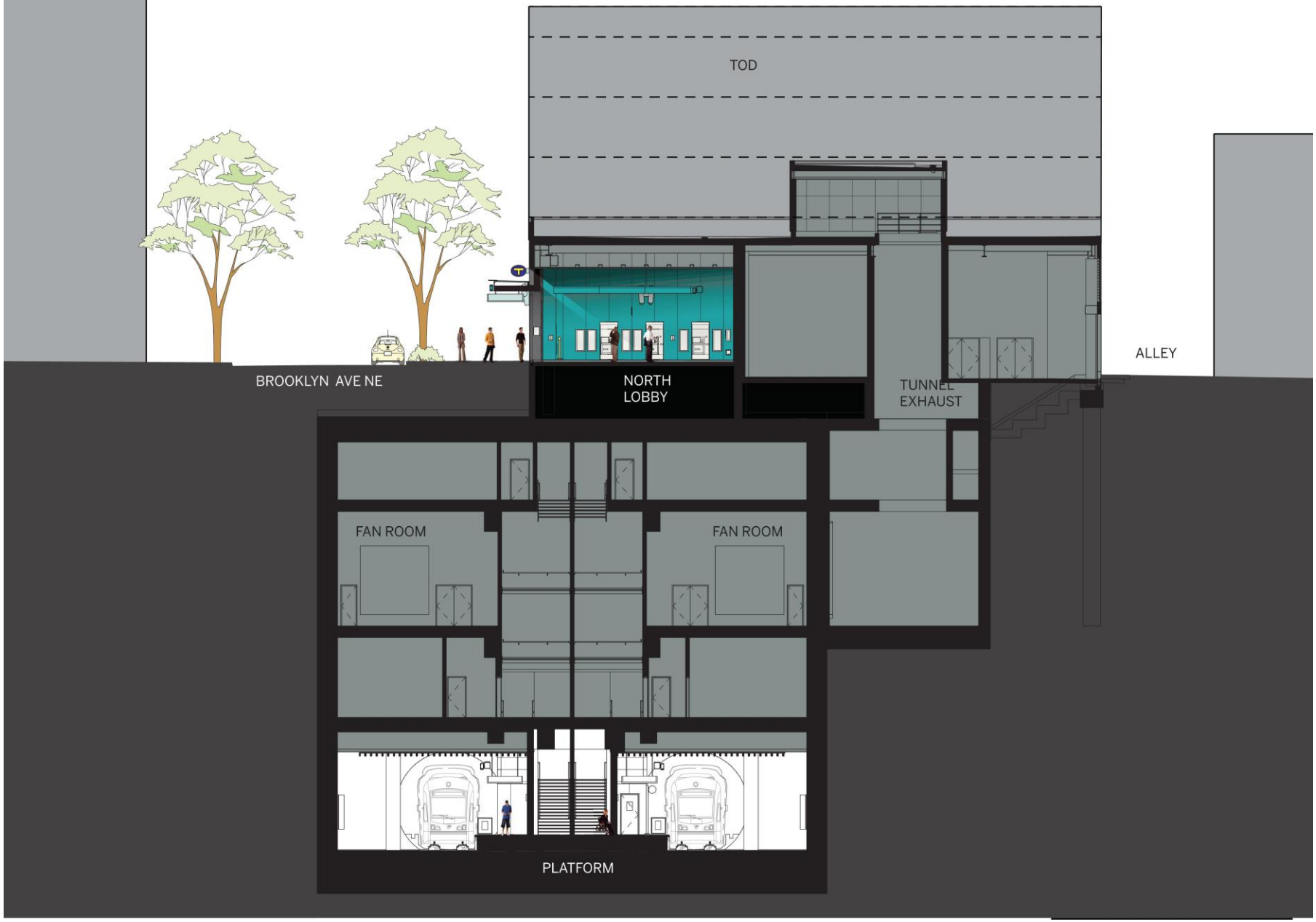
Canopy Section

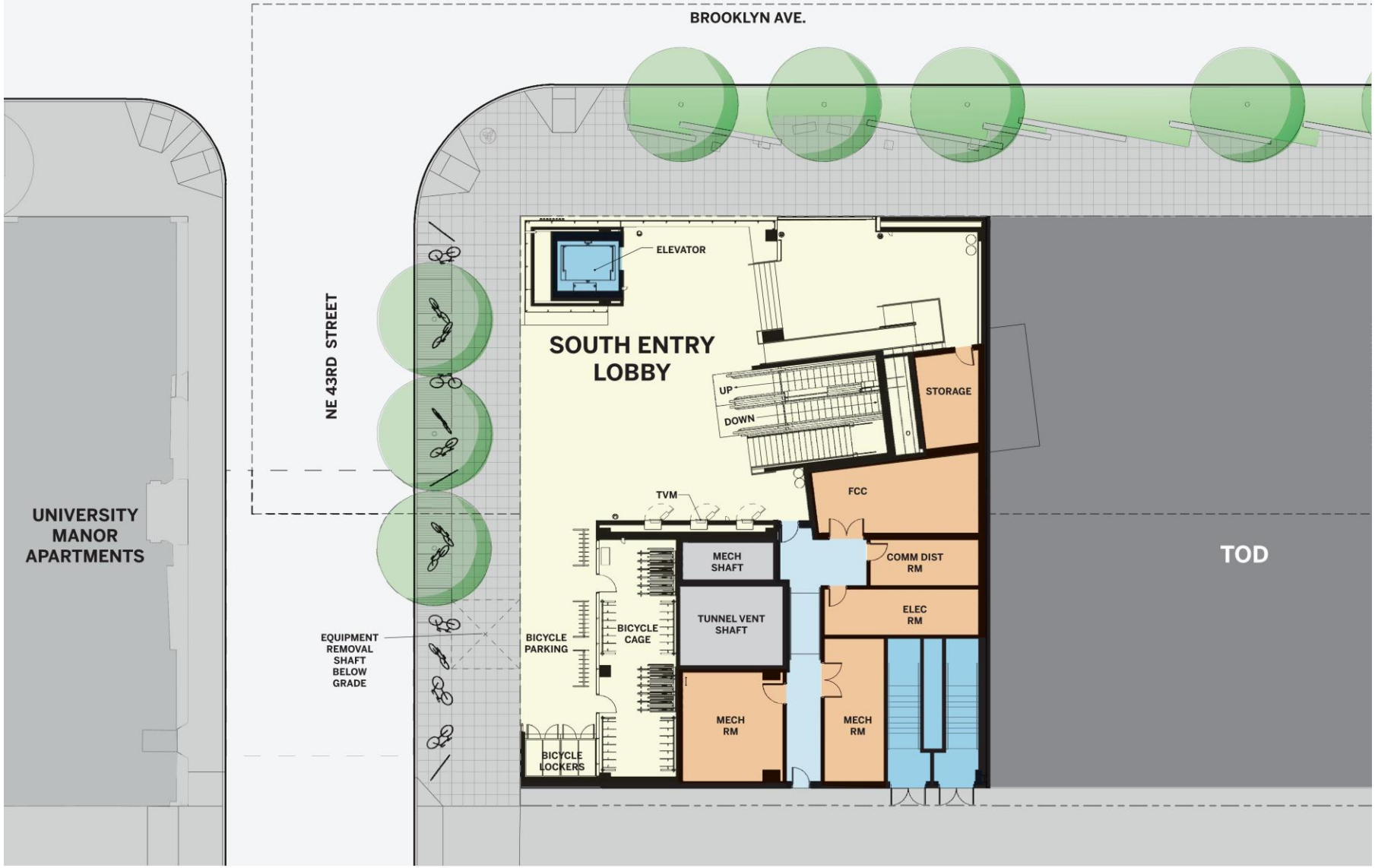
SOUNDTRANSIT



JACOBS ASSOCIATES

Cross-Section A-A @ North Entrance

SOUNDTRANSIT



JACOBS ASSOCIATES

South Entrance Plan

SOUNDTRANSIT

JACOBS ASSOCIATES

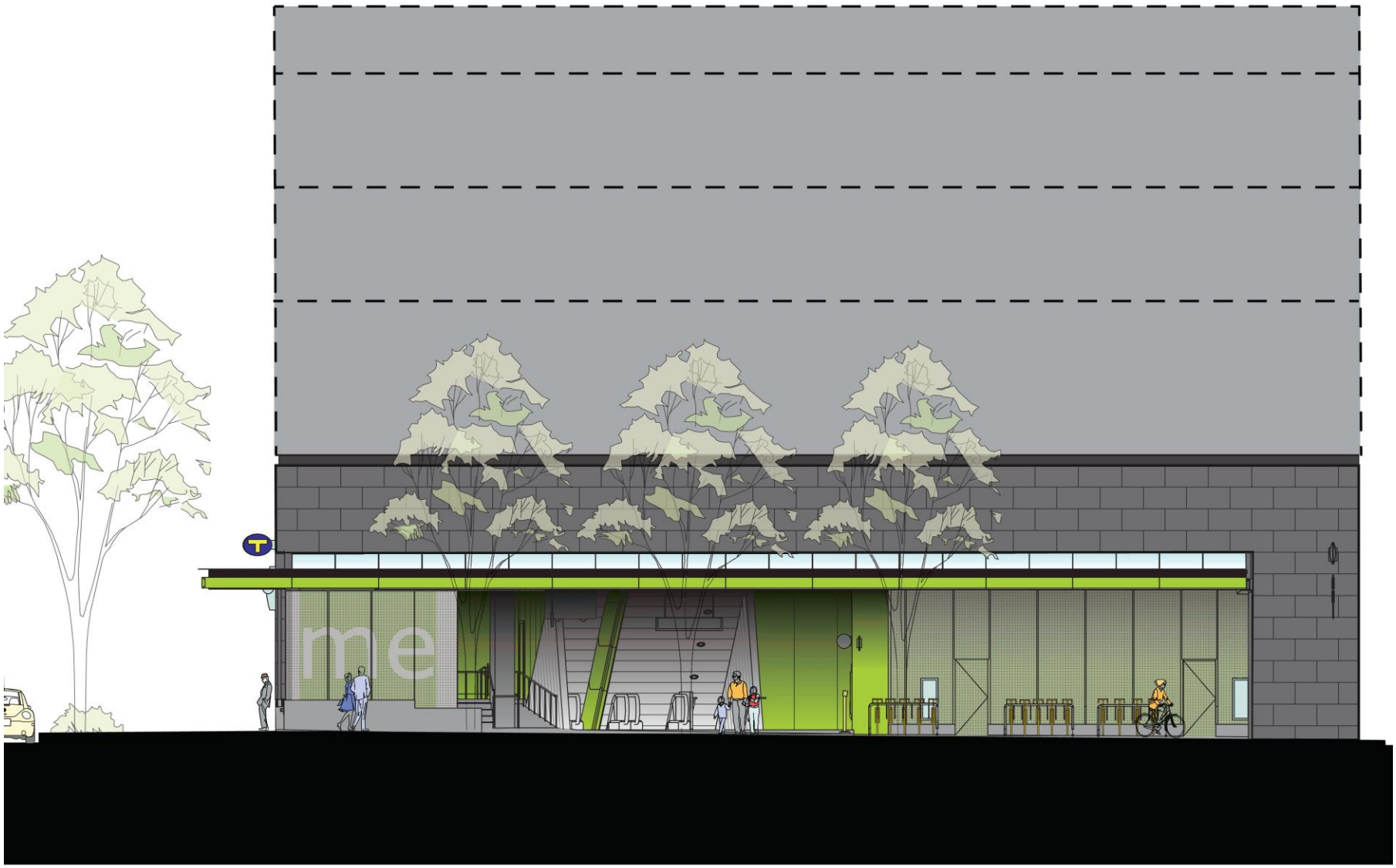
South Entrance Study Model

SOUNDTRANSIT

JACOBS ASSOCIATES

South Entrance - West Elevation

SOUNDTRANSIT



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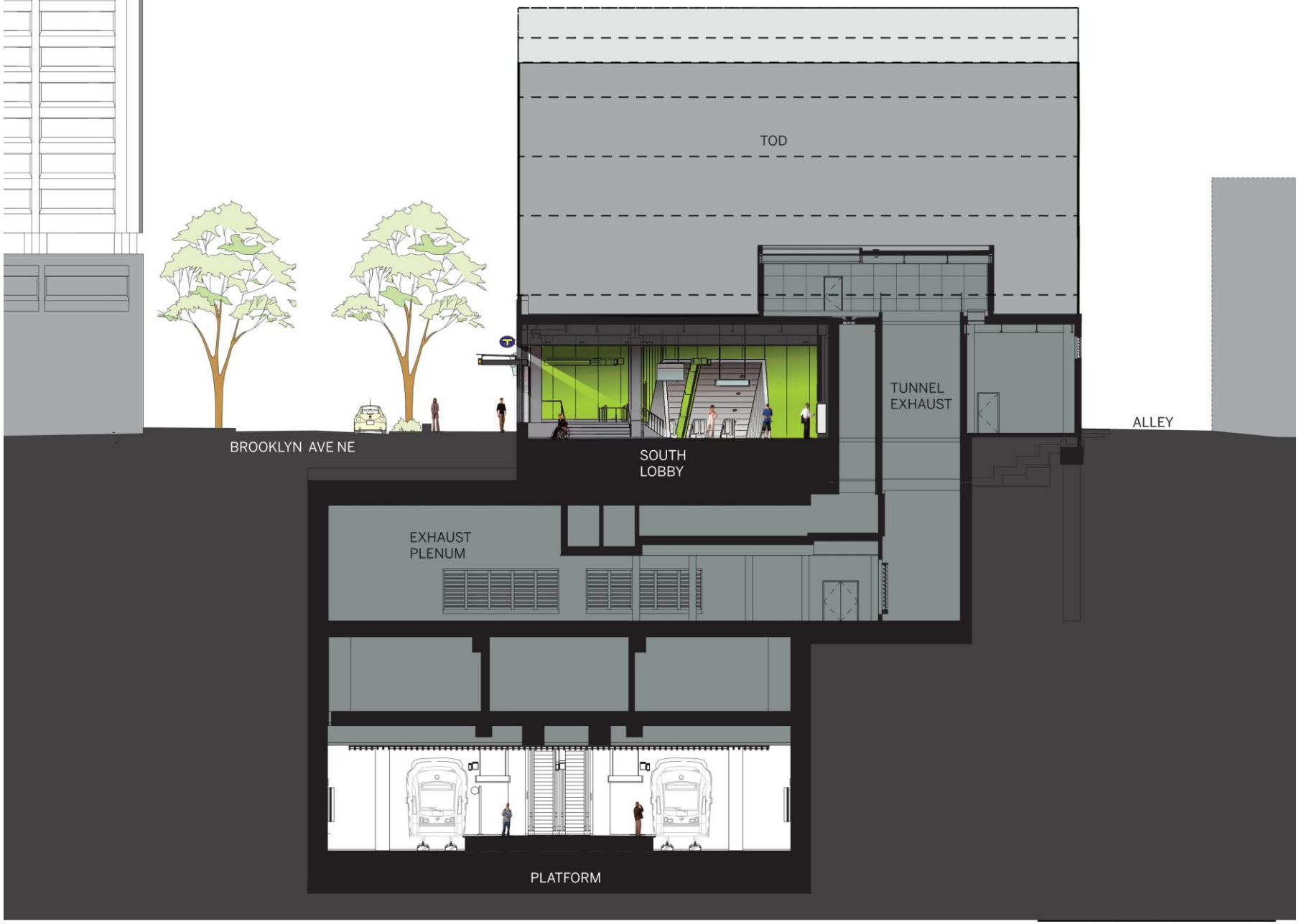
South Entrance - South Elevation

SOUNDTRANSIT

JACOBS ASSOCIATES

Enlarged Cross-Section C-C @ South Entrance

SOUNDTRANSIT



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Cross-Section C-C @ South Entrance

SOUNDTRANSIT

JACOBS ASSOCIATES

Cross-Section B-B @ Station Center

SOUNDTRANSIT

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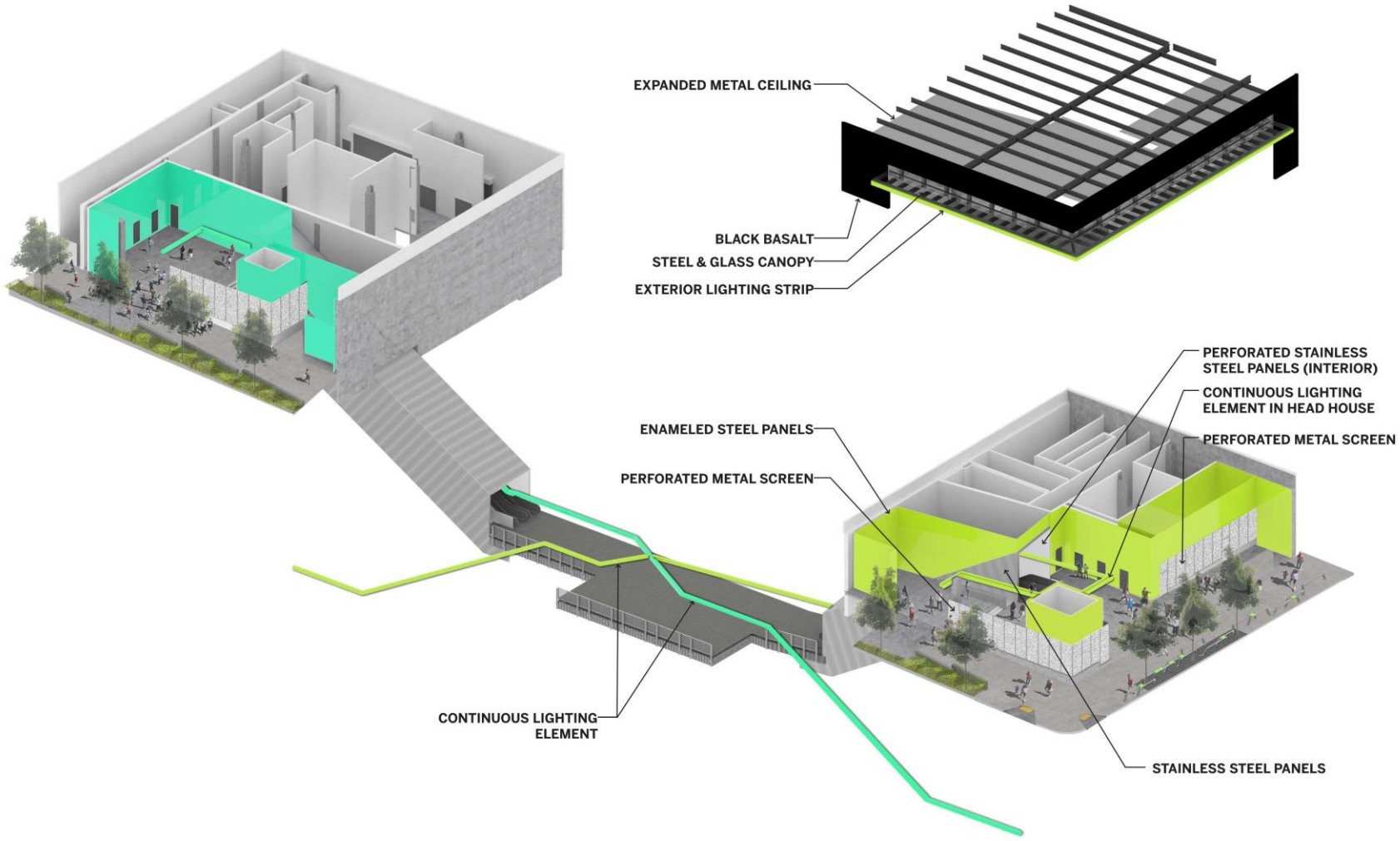
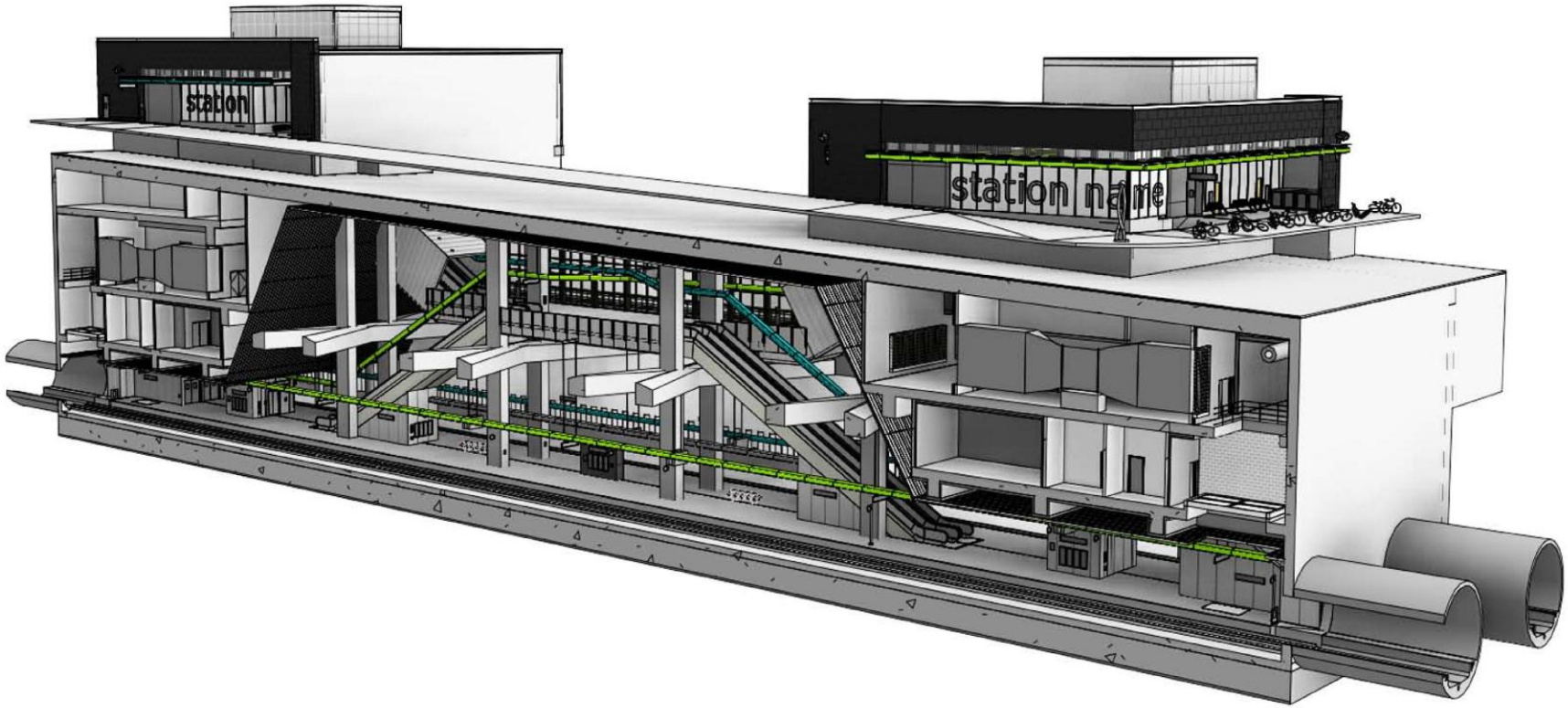
Section Through Intermediate Landing

SOUNDTRANSIT

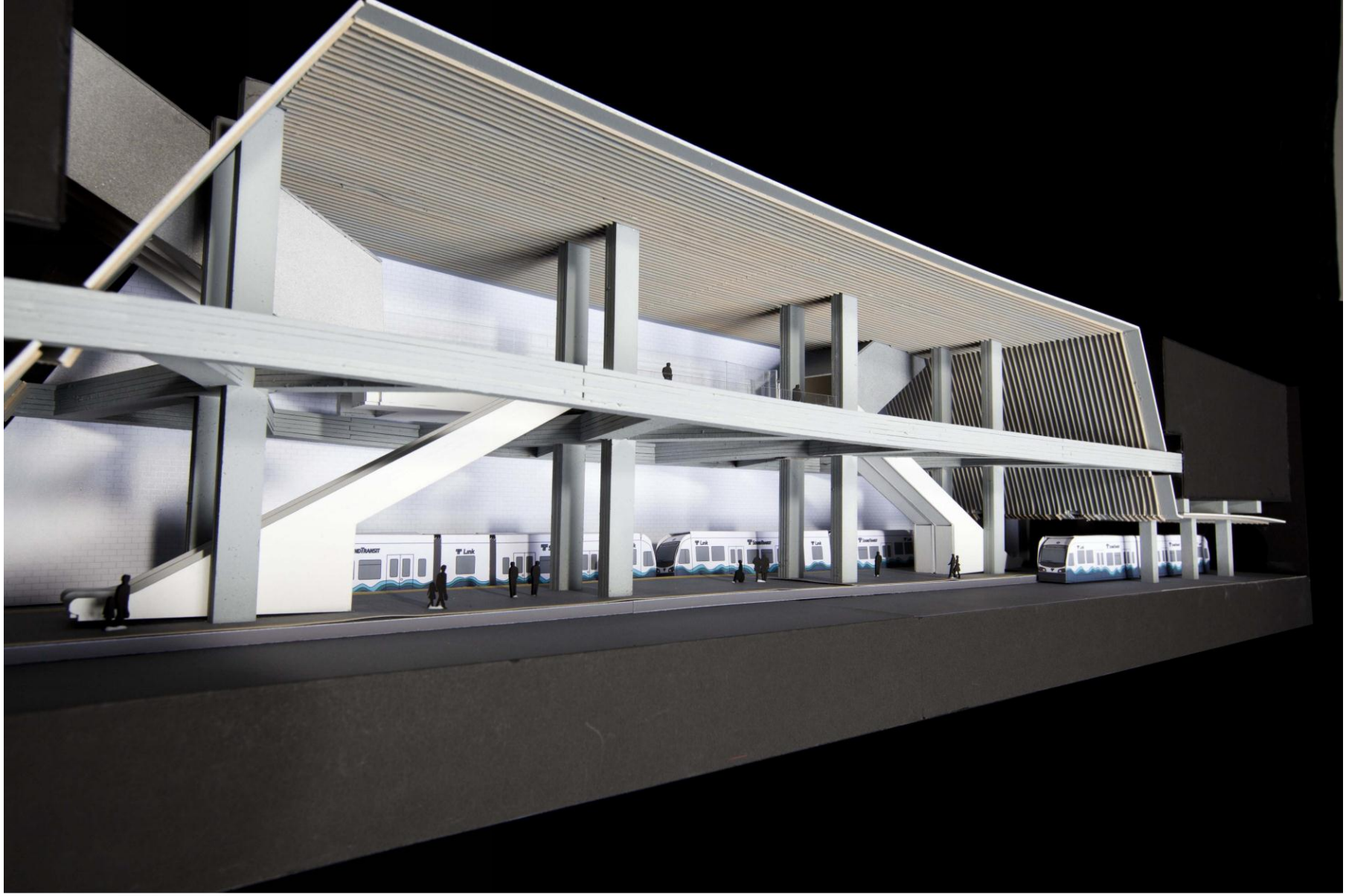


Material Concepts



JACOBS ASSOCIATES

SOUNDTRANSIT



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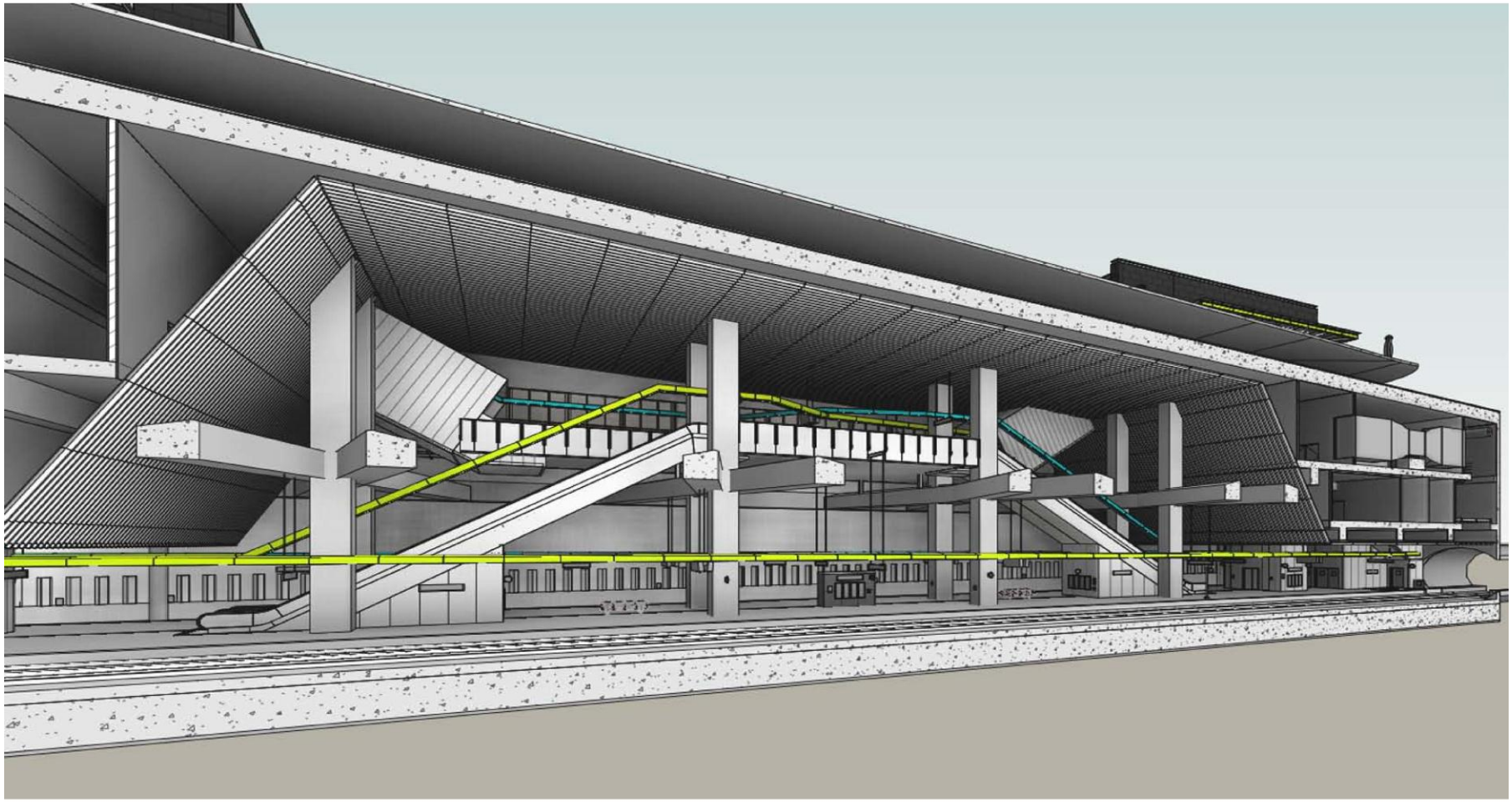
Study Model

SOUNDTRANSIT



JACOBS ASSOCIATES

Section Perspective

SOUNDTRANSIT

JACOBS ASSOCIATES

Intermediate Landing

SOUNDTRANSIT

JACOBS ASSOCIATES

Platform

SOUNDTRANSIT

JACOBS ASSOCIATES

Brooklyn Ave - South Entry

SOUNDTRANSIT

JACOBS ASSOCIATES

Brooklyn Ave NE + NE 43rd St

SOUNDTRANSIT

JACOBS ASSOCIATES

North Entrance

SOUNDTRANSIT

JACOBS ASSOCIATES

South Entrance

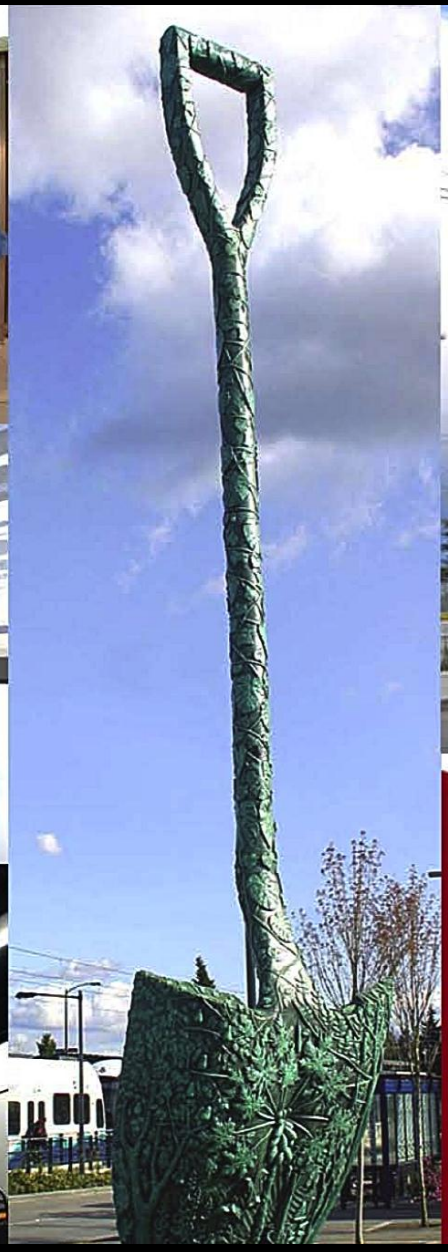
SOUNDTRANSIT

JACOBS ASSOCIATES

South Entrance

SOUNDTRANSIT

STart (Sound Transit art program)

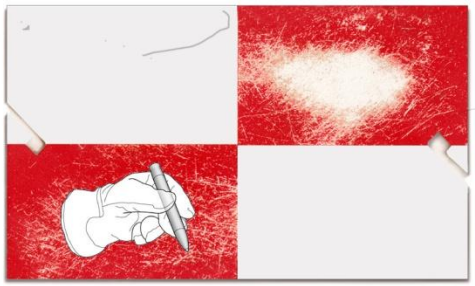


www.soundtransit.org/STart

Color

TRANSPARENCY

Lead Pencil Studio - slide #1

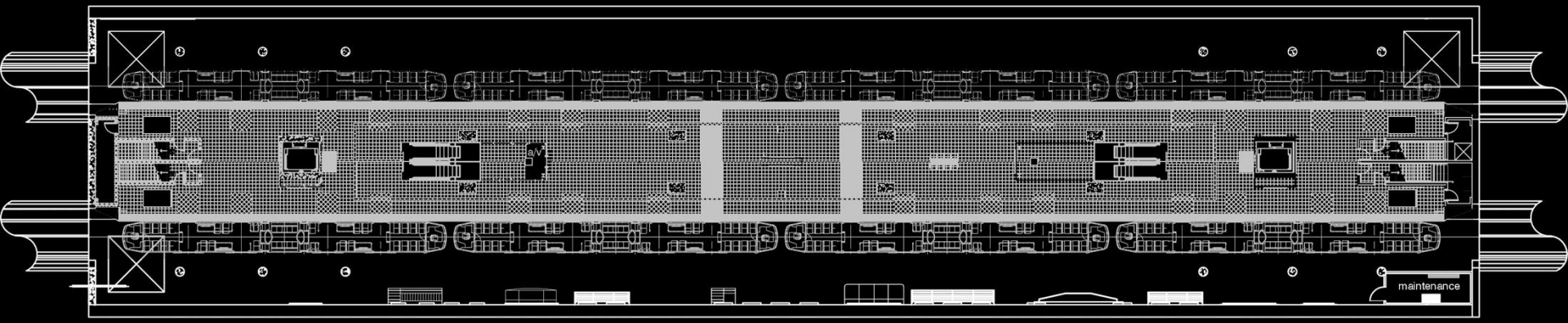


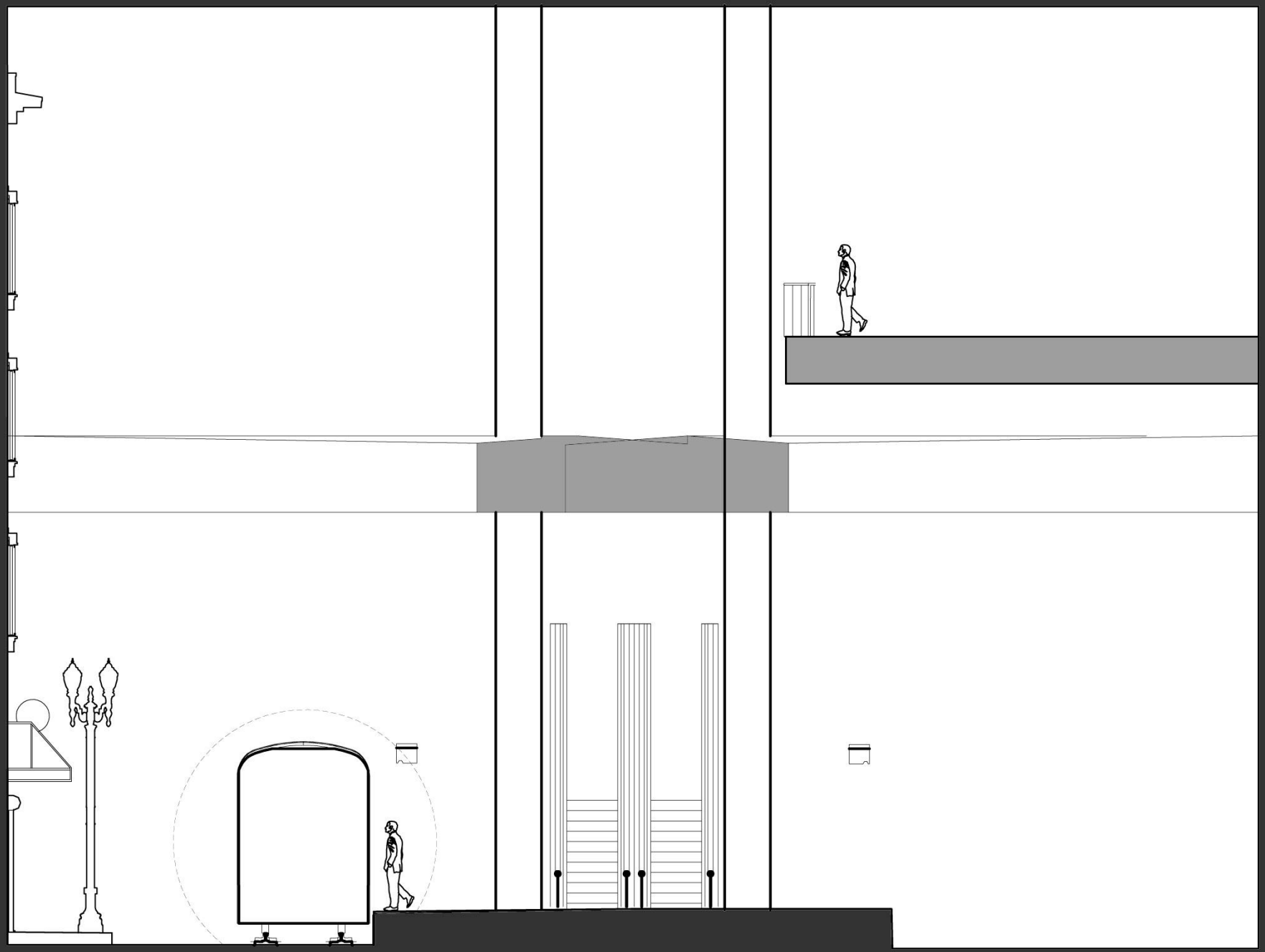
THIS SIDE UP

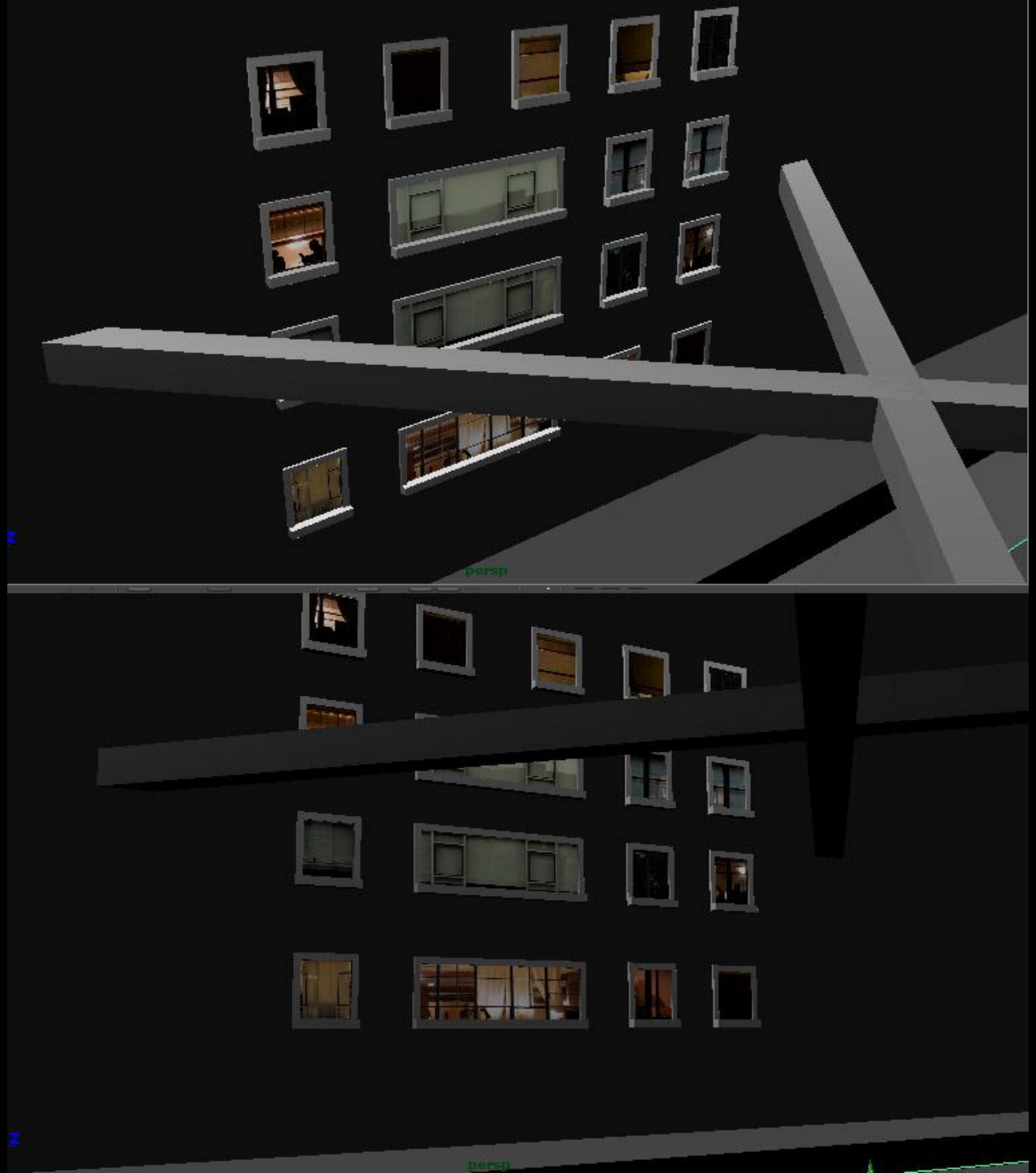
TOWARD SCREEN

OUTLET

WINDOWS THAT HAVE VIDEO
Windows that are backlit
OUTLET


a/v
maintenance

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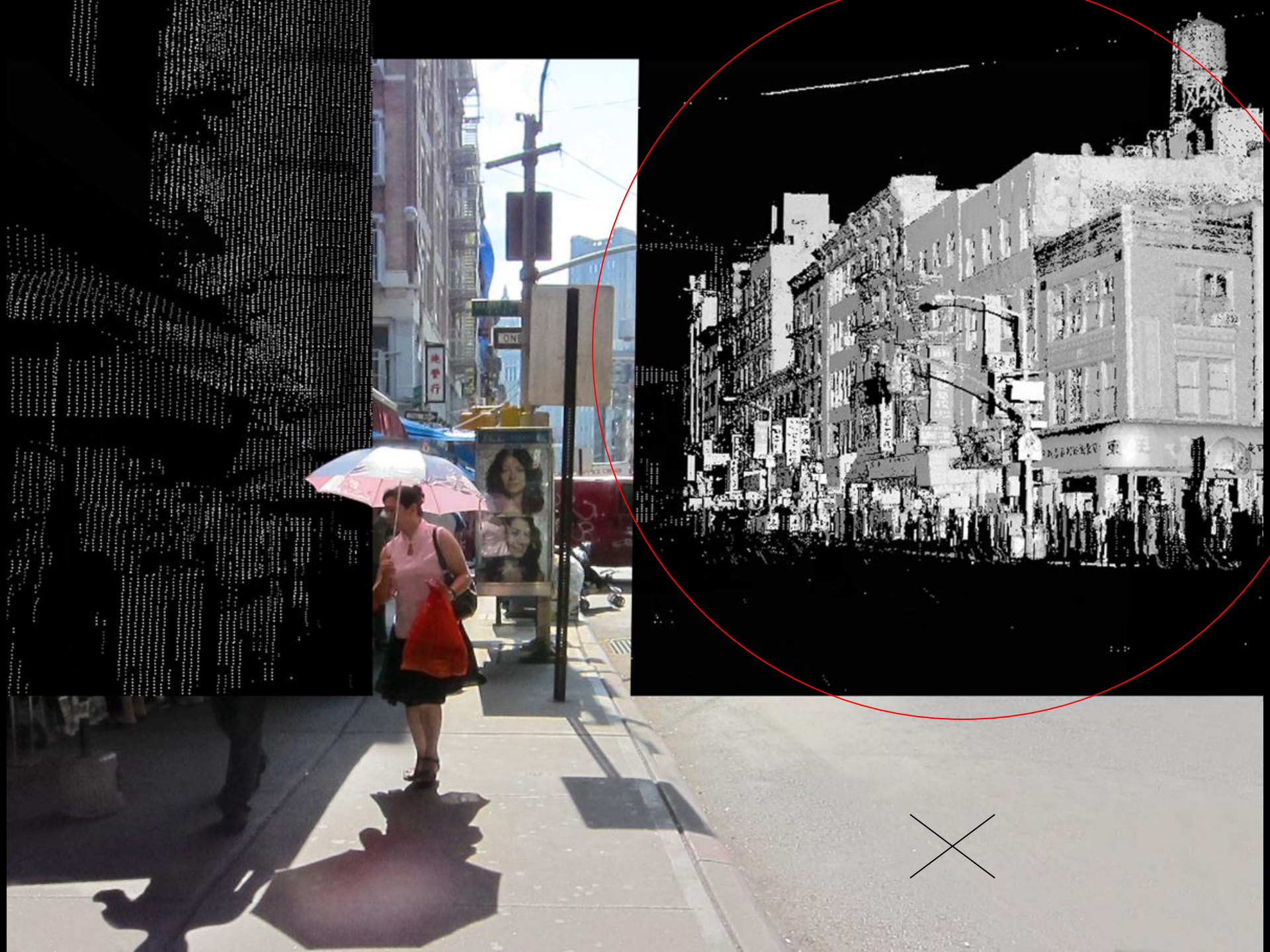
persp



60 DEG CONE OF VISION

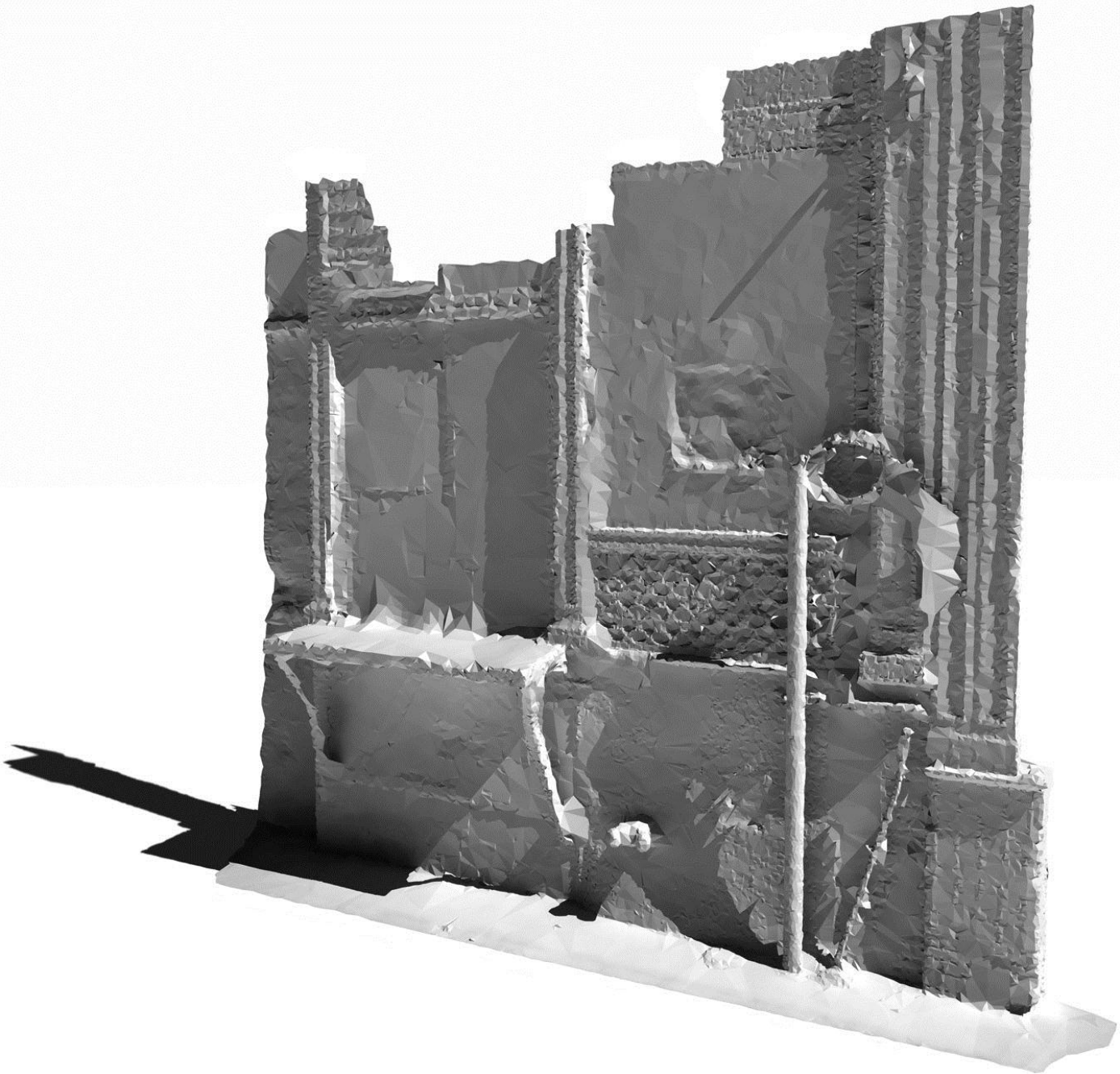
50% NON-ARCHITECTURE

40% NON-BUILDING

AVG 33% REMAINS

40% OF CITY

BELIEVE
TRUST YOUR INSTINCTS
BELVEDERE
Van Wagner
PARK
PARK
PARK
DONE DIFFERENT
ALL VEHICLES
WILL BE TOWED



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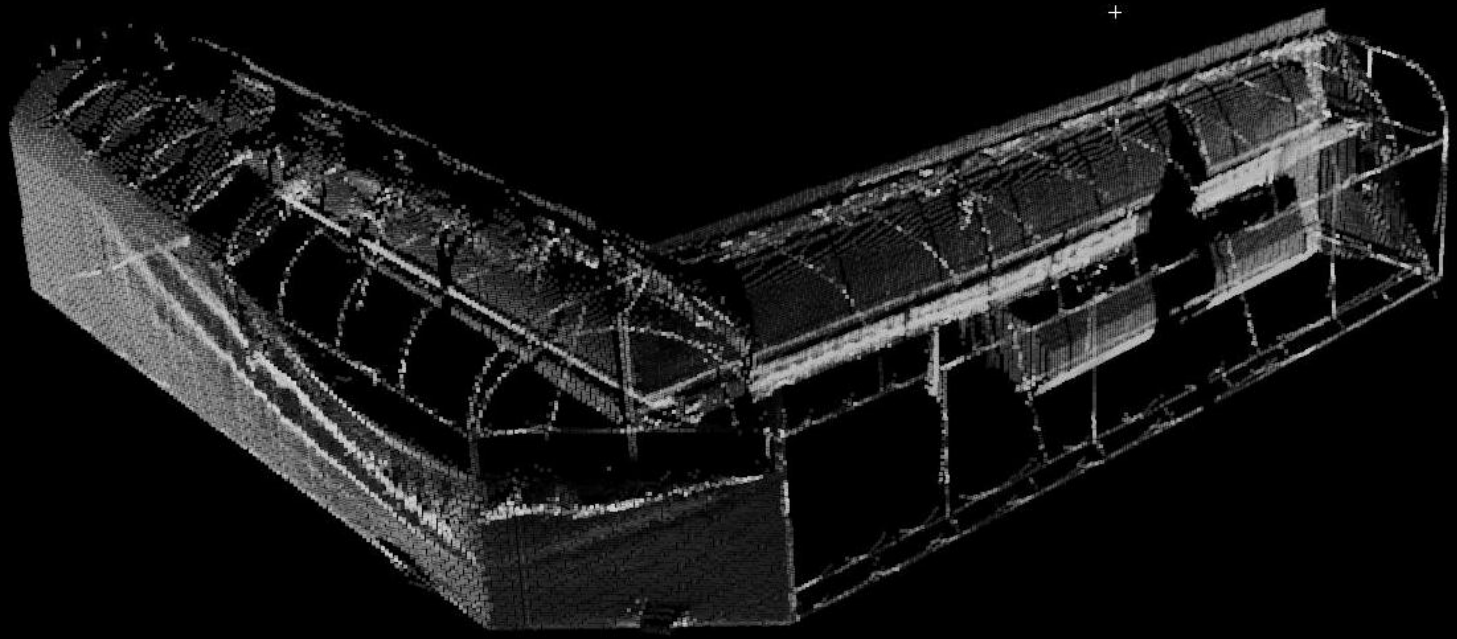

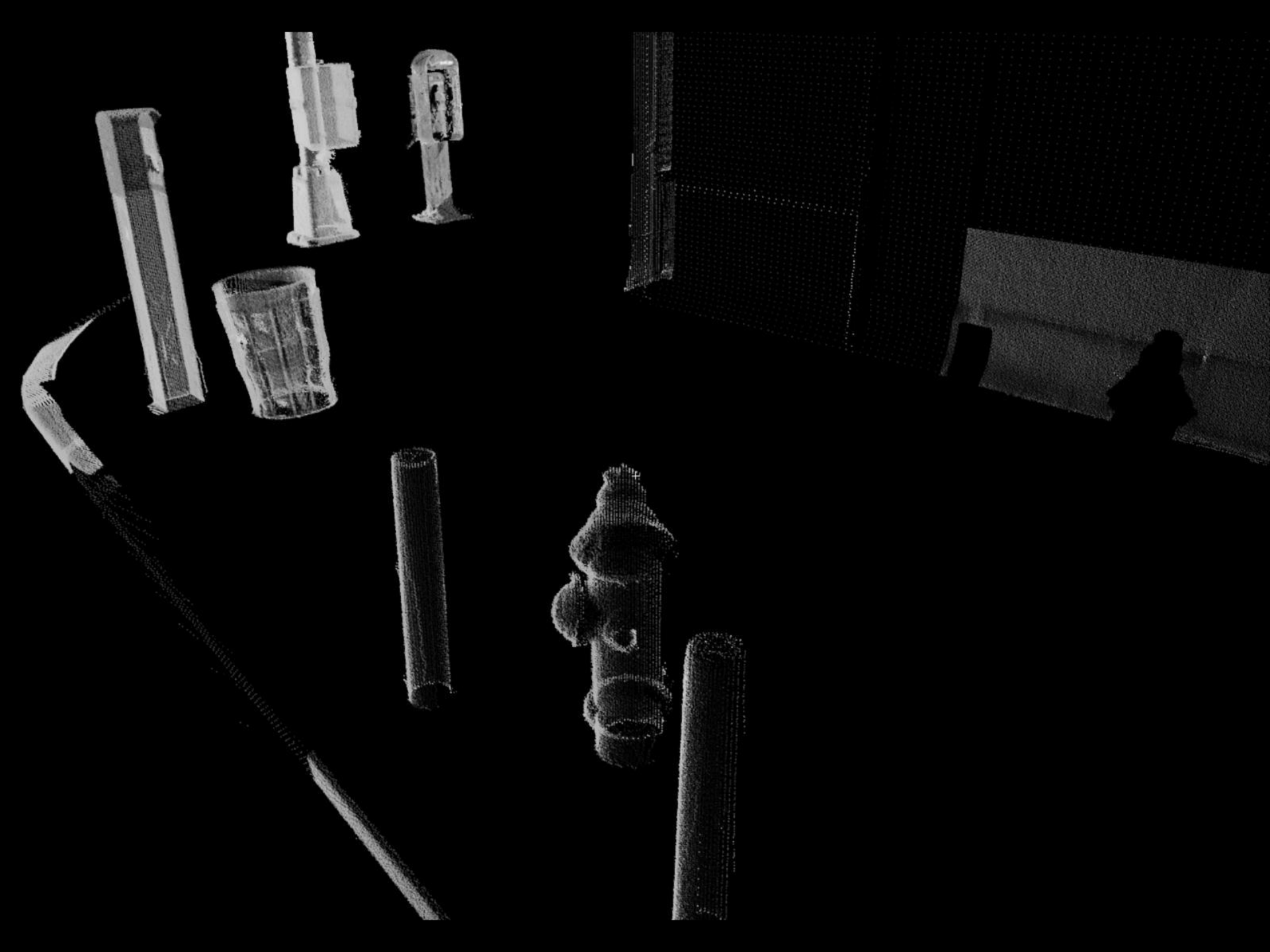

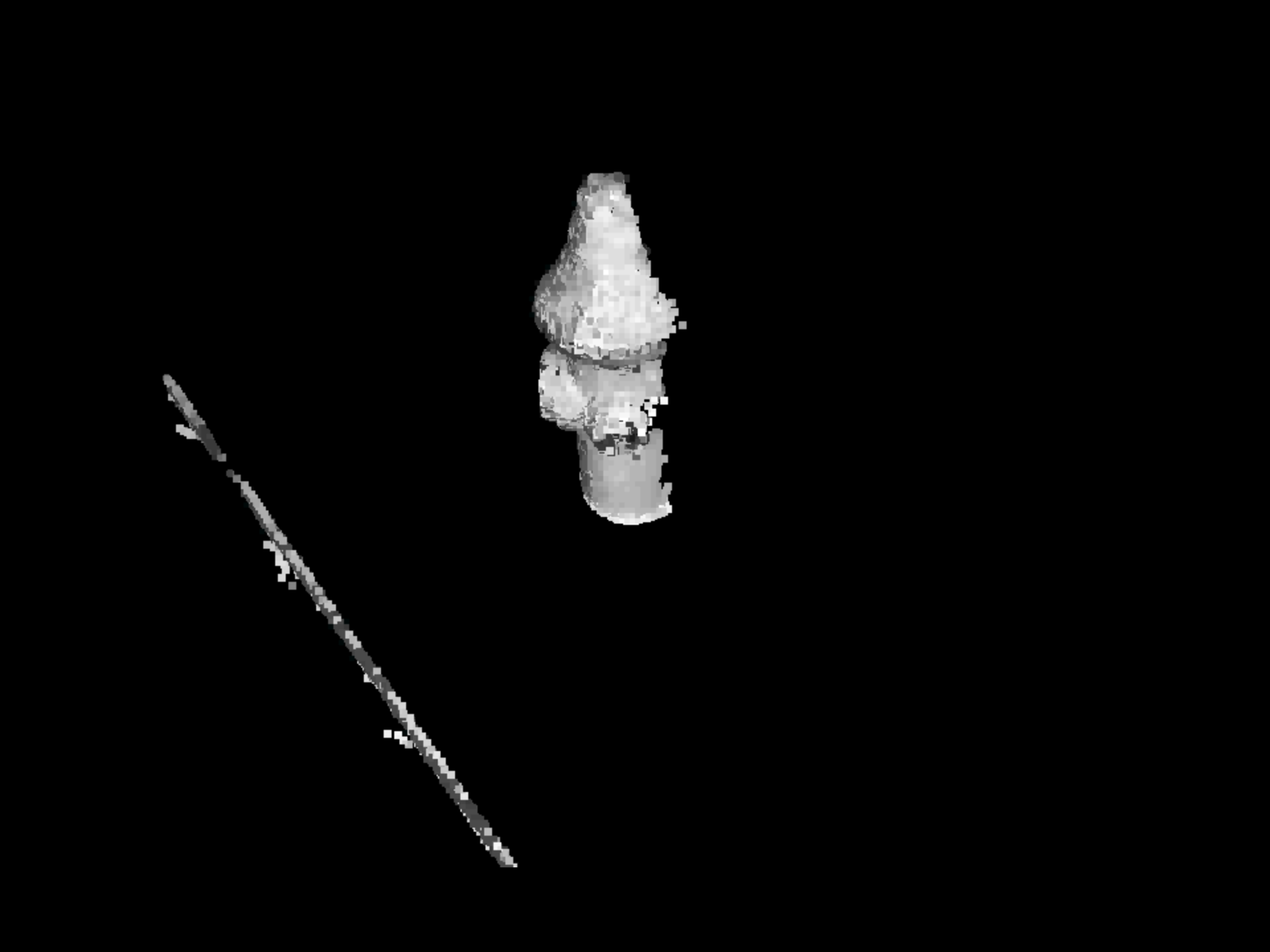

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