

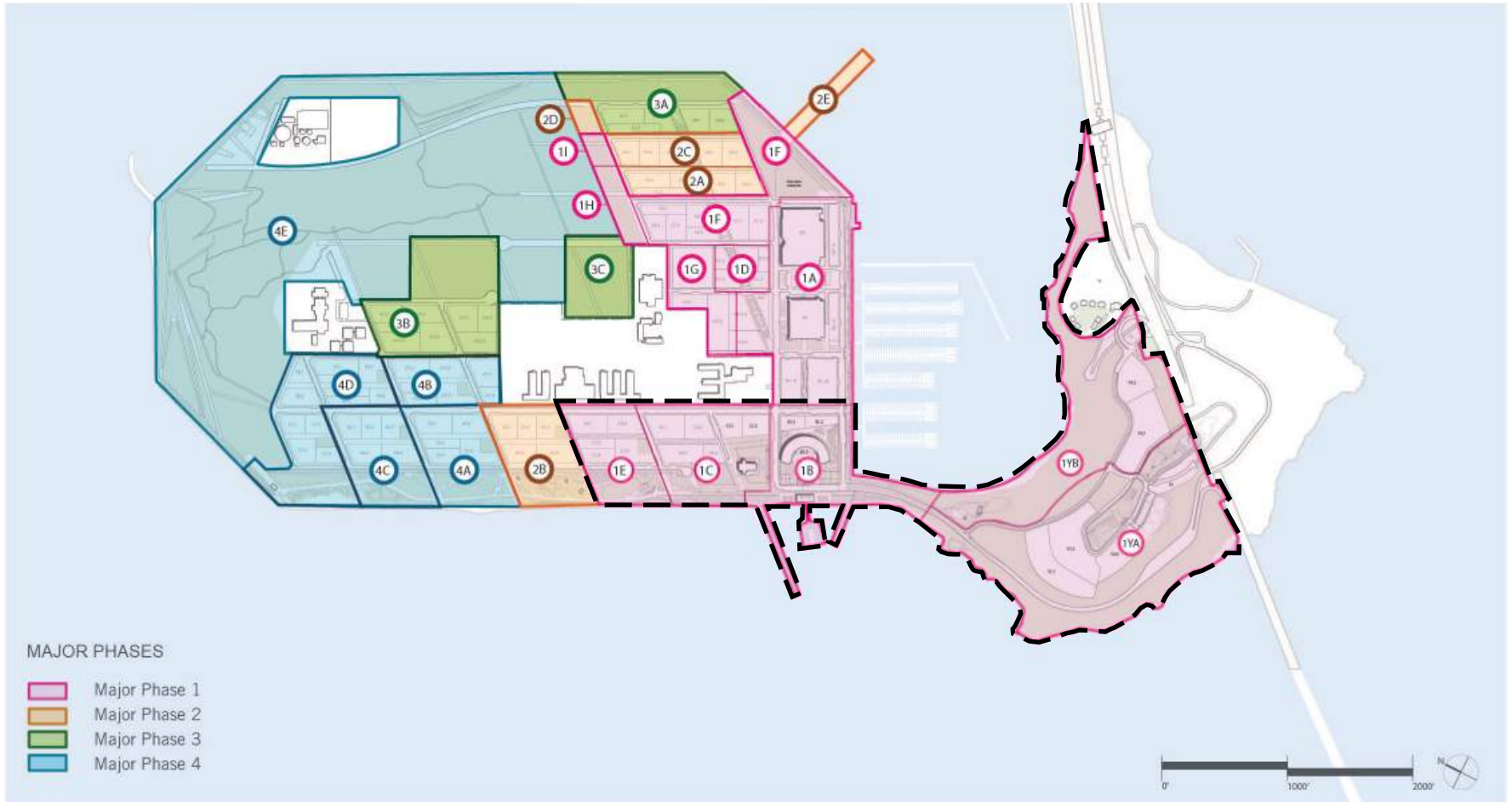
UTILITY ENCLOSURES

TREASURE ISLAND AND YERBA BUENA ISLAND

SAN FRANCISCO ARTS COMMISSION



TREASURE ISLAND PHASE 1



UTILITY ENCLOSURE/PUMP STATION LOCATIONS



● HIGHER PRIORITY FACILITY
⦿ FUTURE PHASE FACILITY

○ LOWER PRIORITY FACILITY

PUMP/LIFT STATION FUNCTION



GENERATOR



ODOR CONTROL



SWITCH BOARD AND TRANSFORMER



HATCHES (SSPS SURFACE)



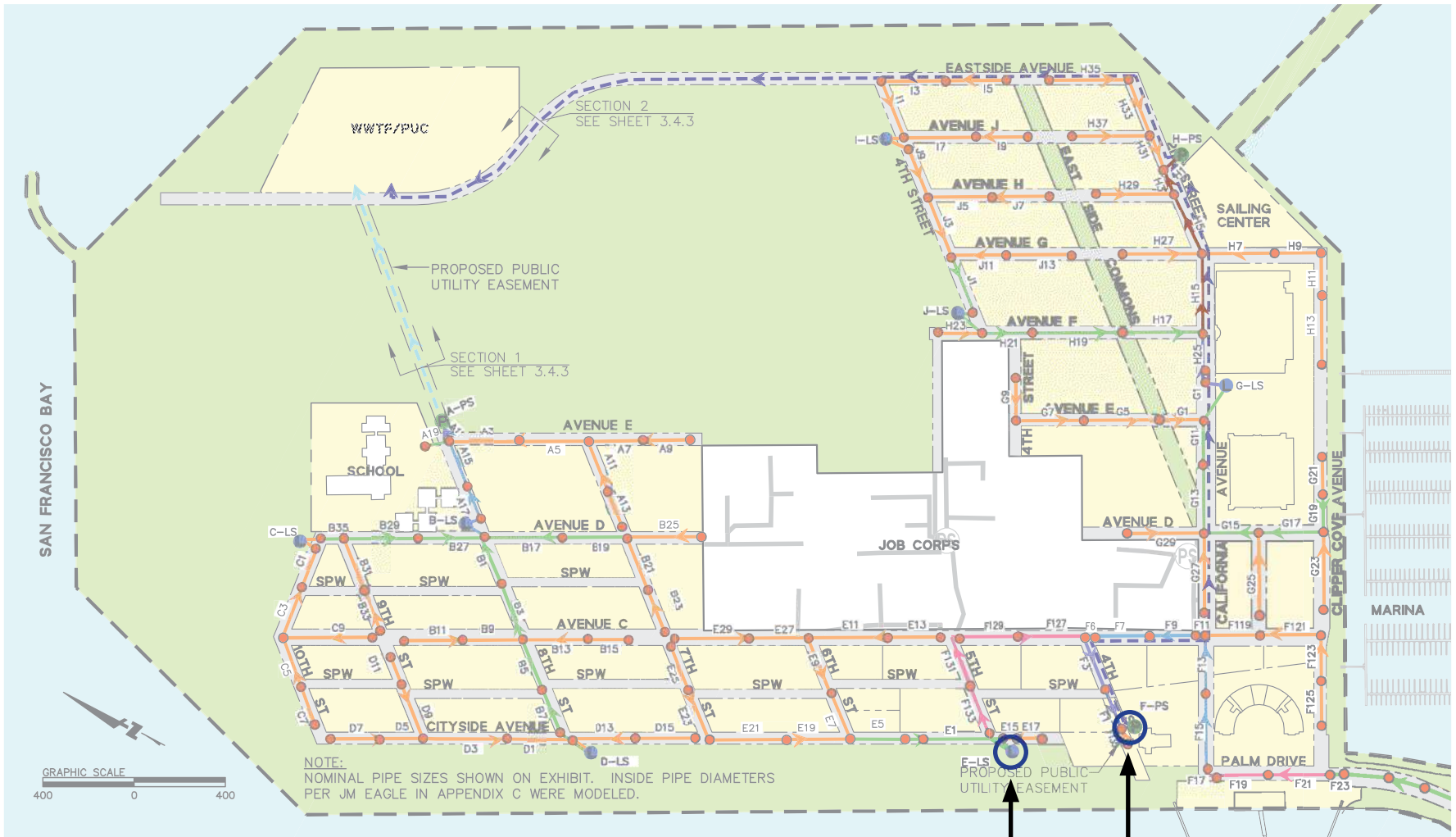
MOTOR CONTROL CENTER

-Required to route sanitary sewer to the waste water treatment plant on Treasure Island when the pipe runs are too long or the topography is not conducive to convey via gravity.

PUMP STATION LOCATION CONSTRAINTS

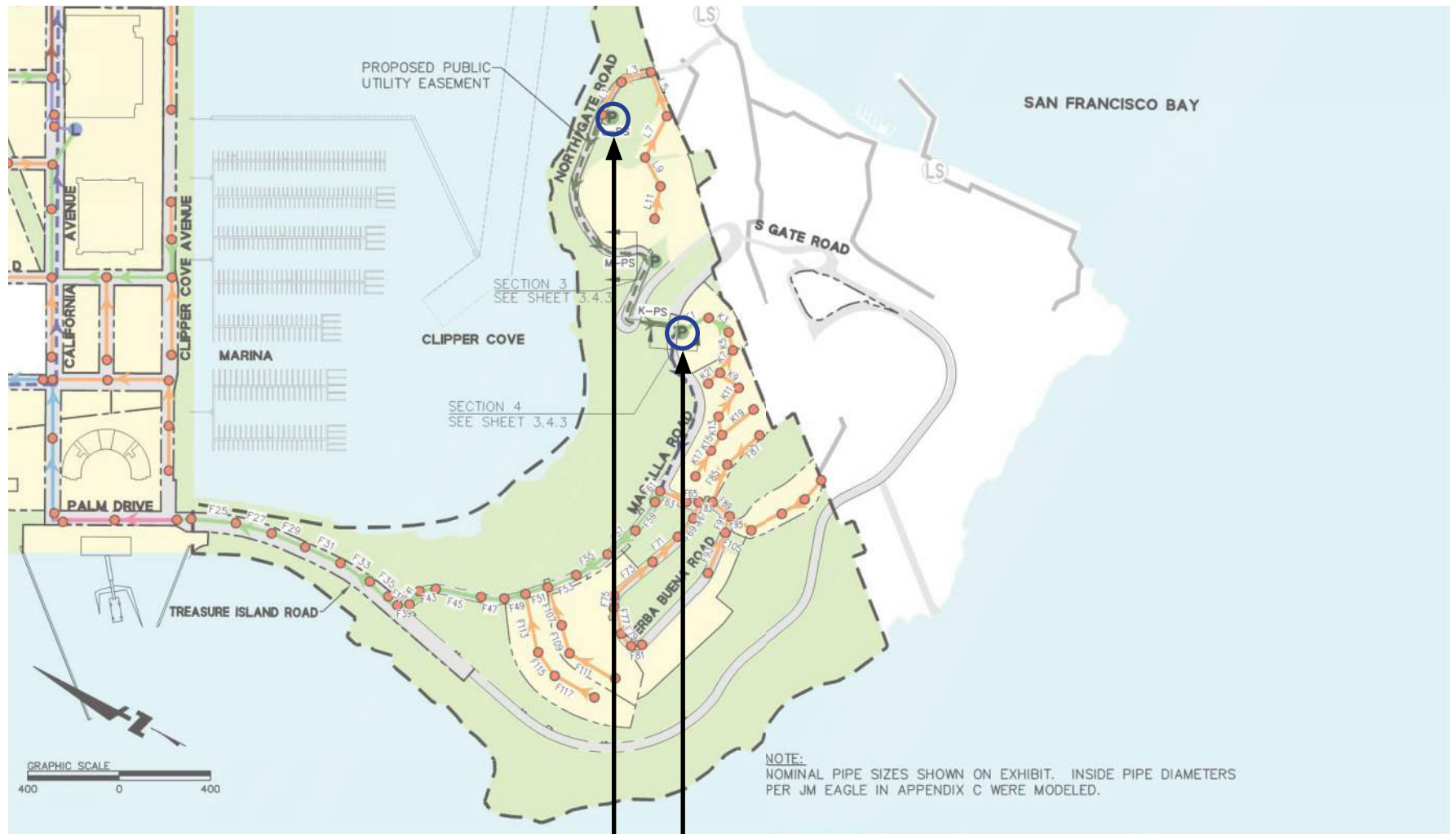
- Limited by depth of gravity sewer main.**
- Requires access from the right of way.**
- Requires public parcel.**
 - Locations determined in 2014-2015 and approved in the 2016 Master Utility Plans*
 - Mapped on the approved final map*
 - Easements on Trust Land were reserved from State Lands and accepted by the PUC.*
 - Documented in the permitted Street Improvement Plans (2016-2018)*
- Enclosure requirements determined in 2018**

TREASURE ISLAND SANITARY SEWER MASTER UTILITY PLAN (2016)



5TH STREET SANITARY SEWER LIFT STATION
4TH STREET SANITARY SEWER PUMP STATION

YERBA BUENA ISLAND SANITARY SEWER MASTER UTILITY PLAN (2016)



NORTHGATE SANITARY SEWER PUMP STATION
MACALLA RD SANITARY SEWER PUMP STATION

PUMP STATION DESIGN REQUIREMENTS

- Size set by the clear working space and vehicular requirements of the utilities.**
- Minimum of 10 feet tall.**
- Non-scalable (maximum 2” openings).**
- Strong, non-cuttable and durable in marine environment (no wood).**
- Nighttime lighting for security (motion detector) and nighttime maintenance to be mounted to enclosure.**
- Must not be accessible from adjacent trees.**
- NEW- No transparency requirements provided security cameras and door contacts are provided.**

PUMP STATION DESIGN INTENT

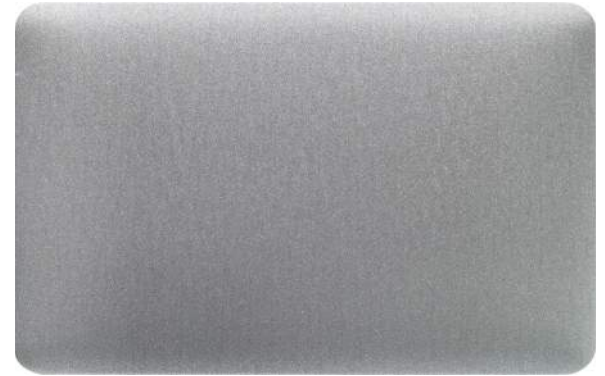
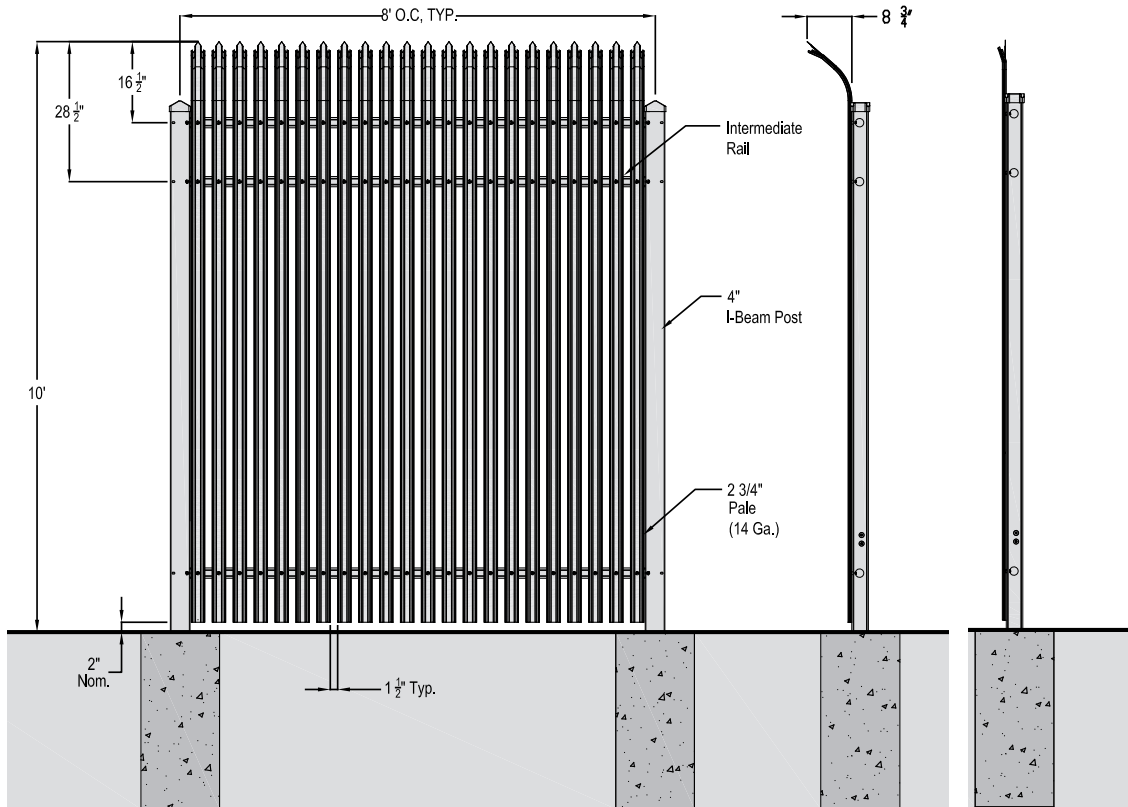
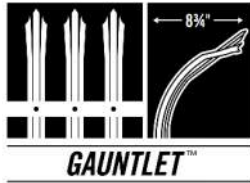
Screen the Equipment Within

Enclosures should Recede into the Landscape

Utilitize a Simple Material Palette with Clean Details

Create Simple Volumes that Don't Draw Attention to Themselves

AUGUST 2019: AMERISTAR IMPASSE ENCLOSURE PRESENTED



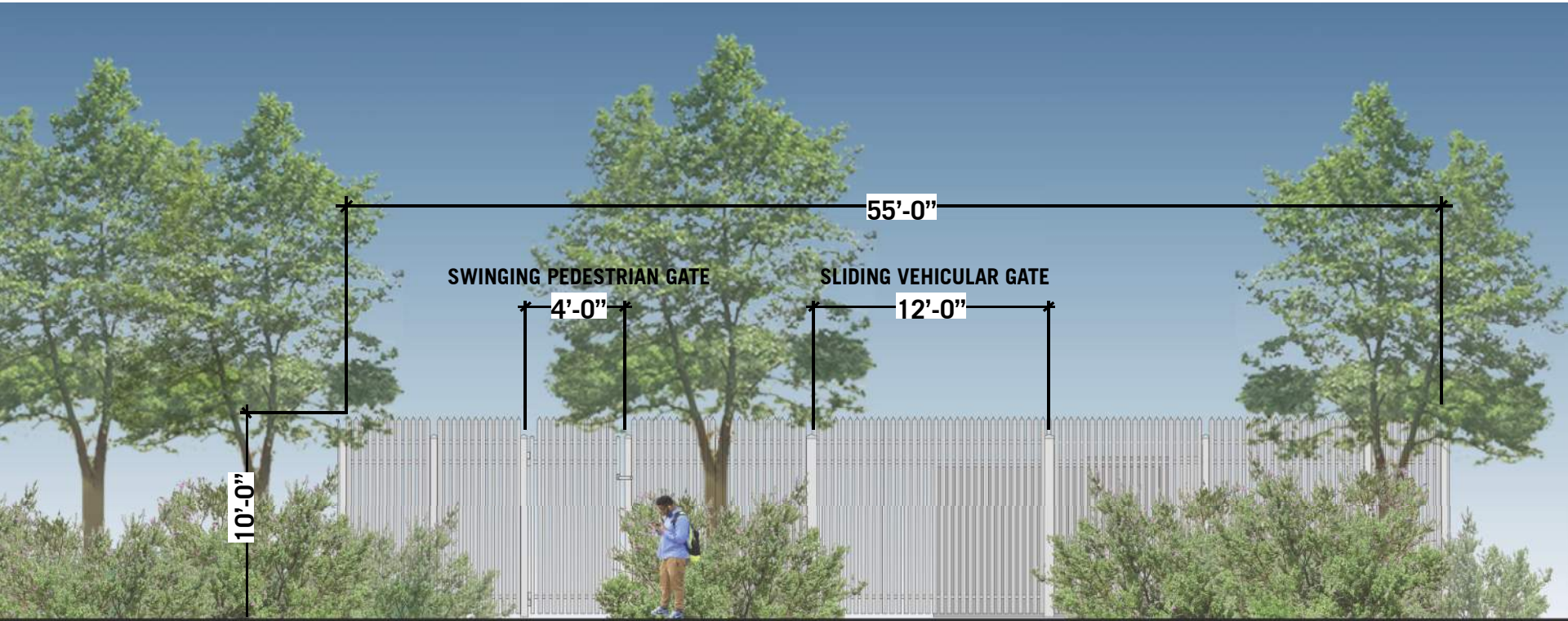
POWDERCOAT - MEDIUM GREY



GARDCO 101L POST MOUNTED LIGHT

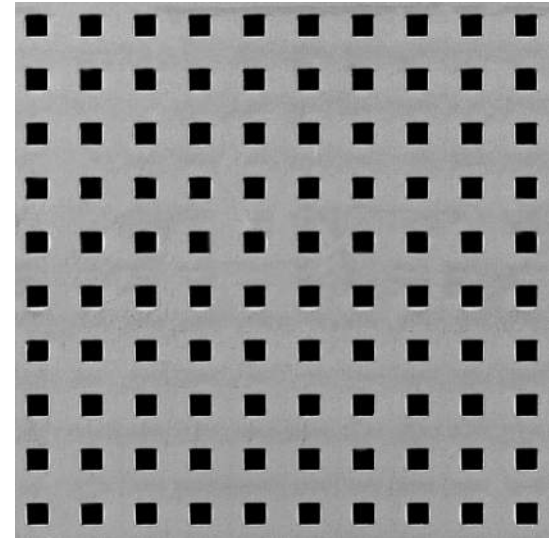
5TH STREET PUMP STATION CITYSIDE PARK

ELEVATION



AUGUST 2019: AMERISTAR IMPASSE ENCLOSURE PRESENTED

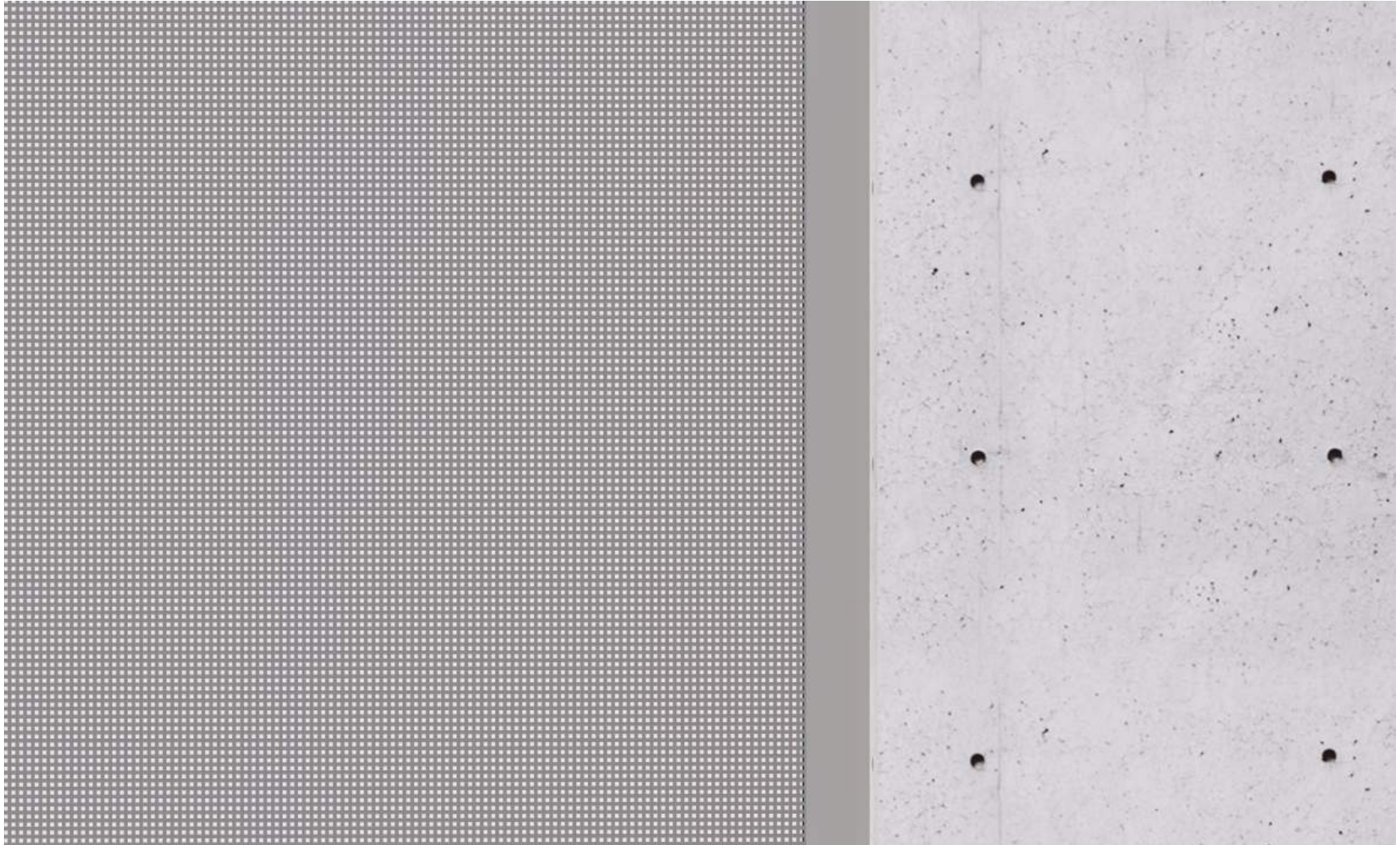
PROPOSED MATERIAL PALETTE



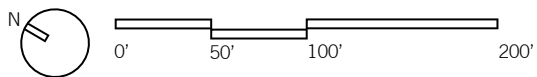
5TH STREET PUMP STATION CITYSIDE PARK

PROPOSED MATERIALS

1/4" PERFORATIONS AT 1/2" OC — 15% TRANSPARENCY



5TH STREET PUMP STATION CITYSIDE PARK



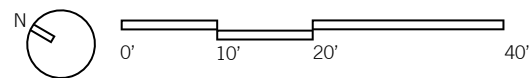
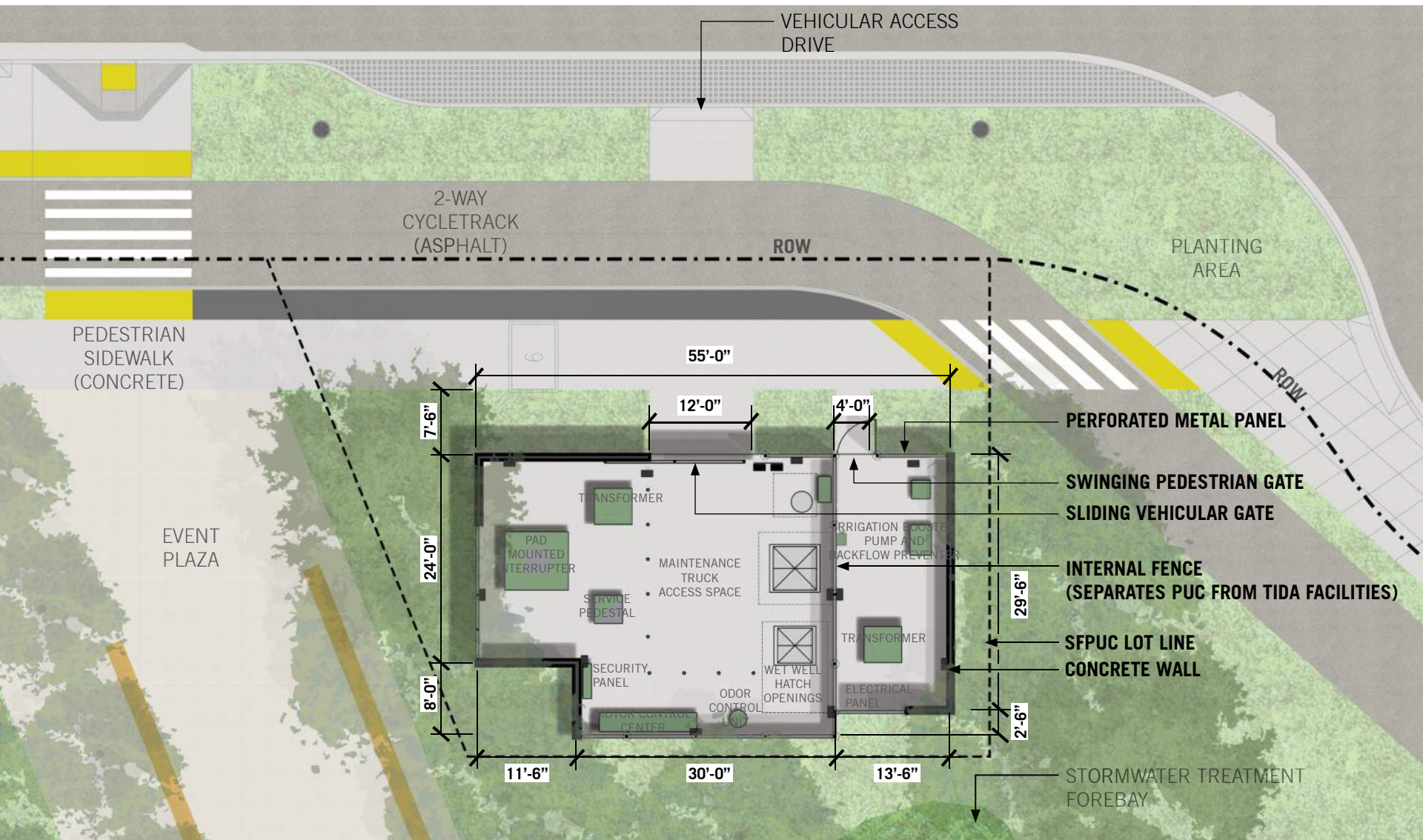
CITYSIDE PARK

CMG LANDSCAPE ARCHITECTURE



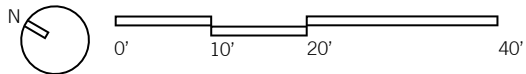
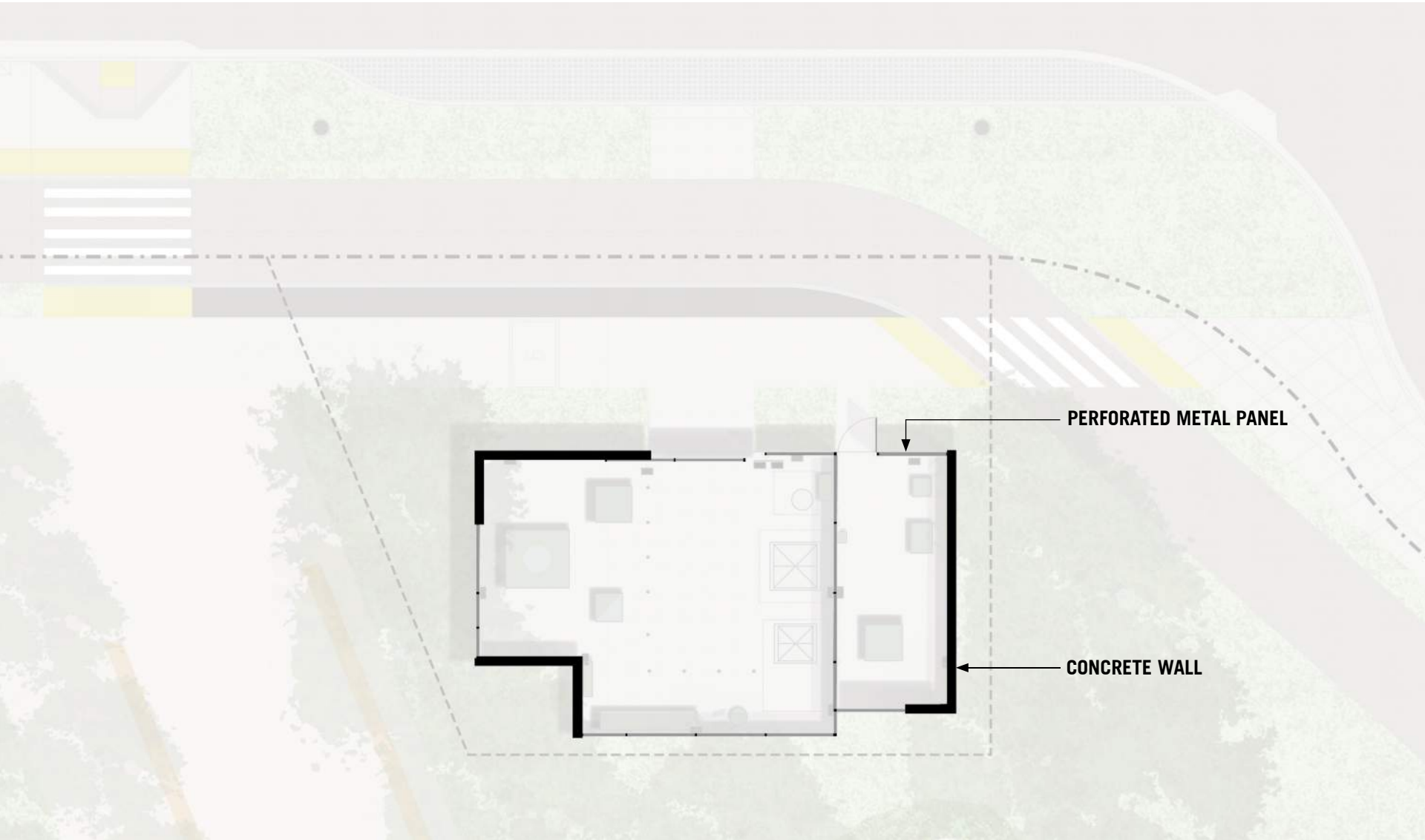
5TH STREET PUMP STATION CITYSIDE PARK

PLAN

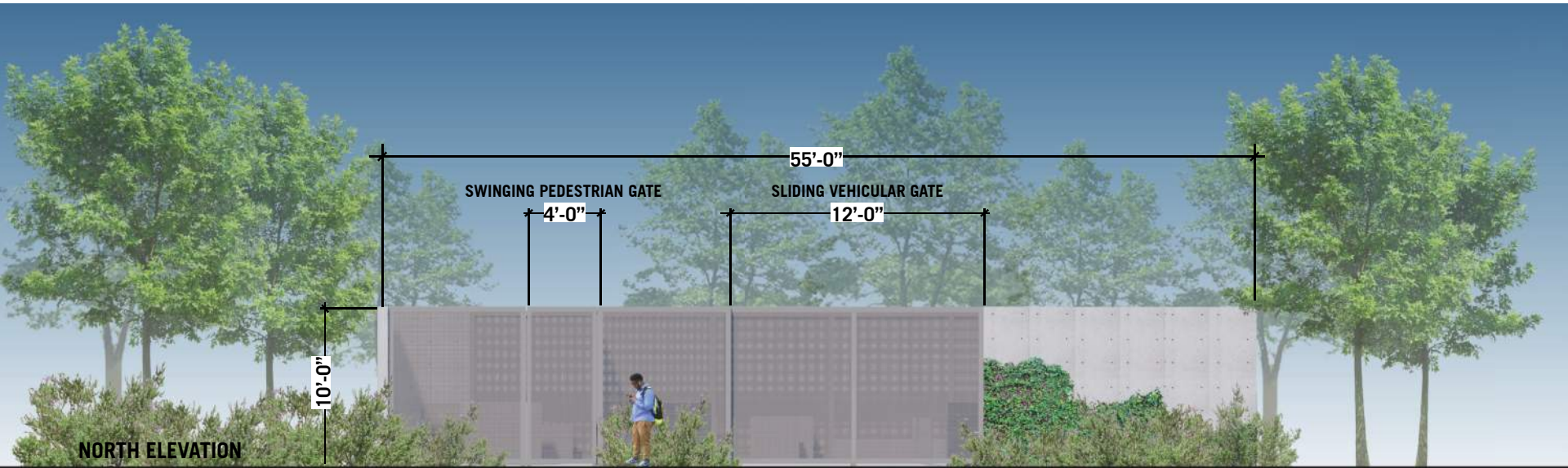


5TH STREET PUMP STATION CITYSIDE PARK

PLAN



5TH STREET PUMP STATION CITYSIDE PARK



5TH STREET PUMP STATION CITYSIDE PARK



EAST ELEVATION



WEST ELEVATION

5TH STREET PUMP STATION CITYSIDE PARK

VIEW FROM SIDEWALK



5TH STREET PUMP STATION CITYSIDE PARK

VIEW ACROSS CITYSIDE AVENUE



5TH STREET PUMP STATION CITYSIDE PARK

VIEW FROM PROMENADE



5TH STREET PUMP STATION CITYSIDE PARK

PLANTING PALETTE



Quercus agrifolia
Coast Live Oak



Ficus pumila
Creeping Fig



Baccharis pilularis 'Pigeon Point'
Dwarf Coyote Brush

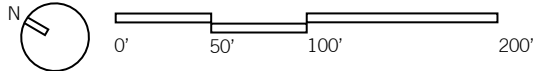
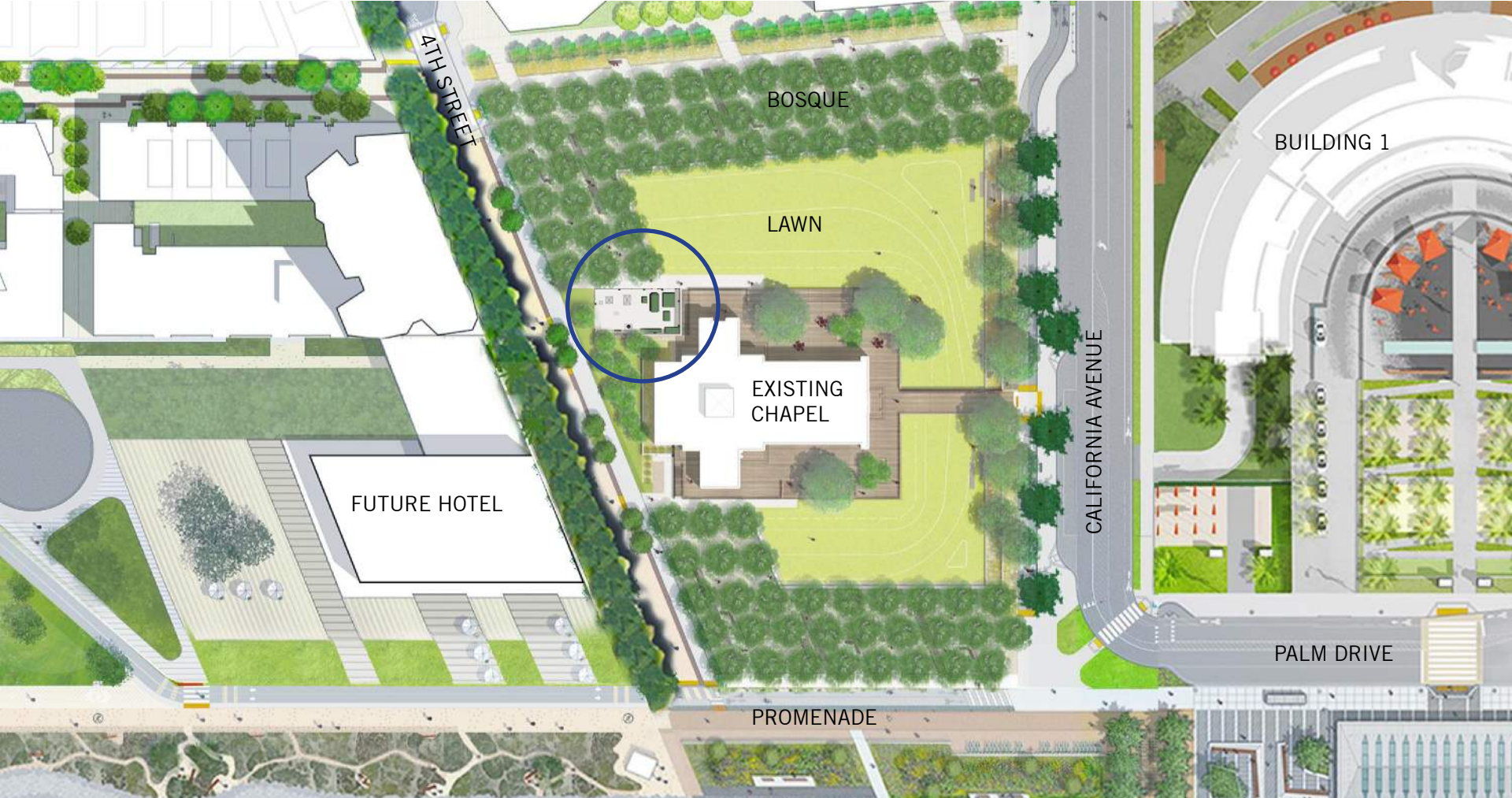


Lupinus albifrons
Silver Bush Lupine



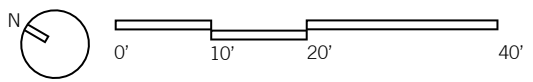
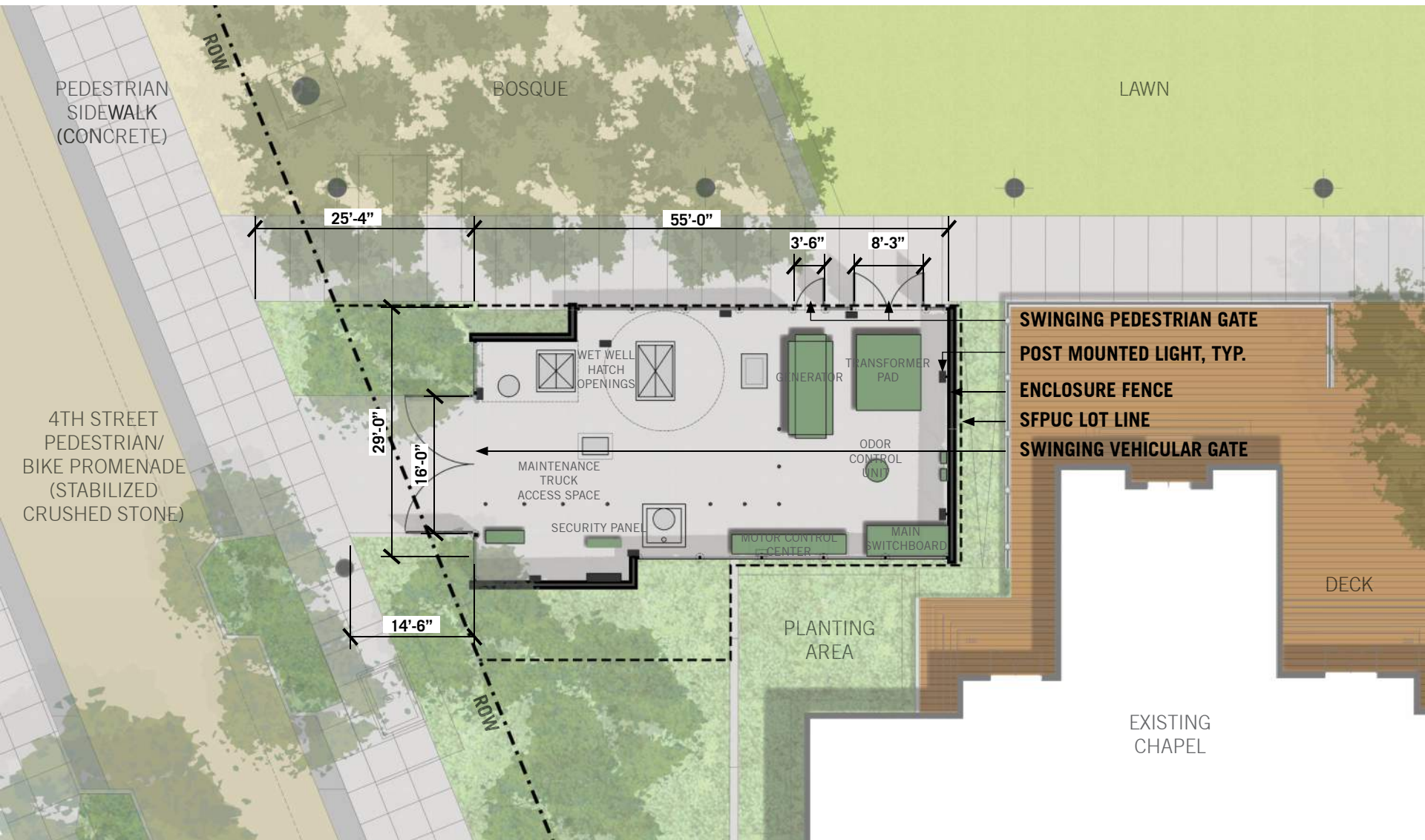
Diplacus aurantiacus
Sticky Monkey Flower

4TH STREET PUMP STATION CULTURAL PARK



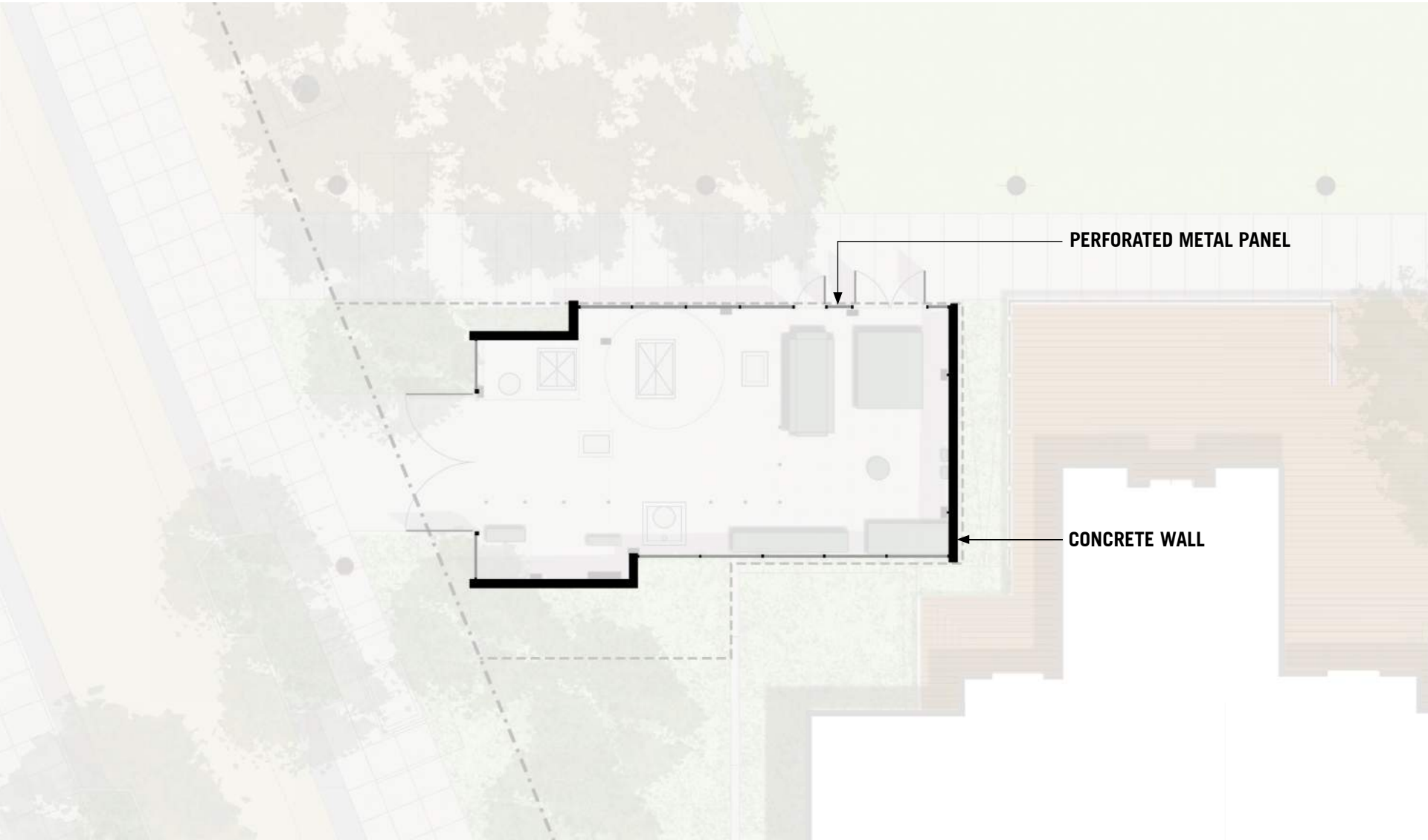
4TH STREET PUMP STATION CULTURAL PARK

PLAN



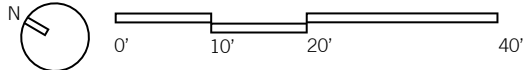
4TH STREET PUMP STATION CULTURAL PARK

PLAN

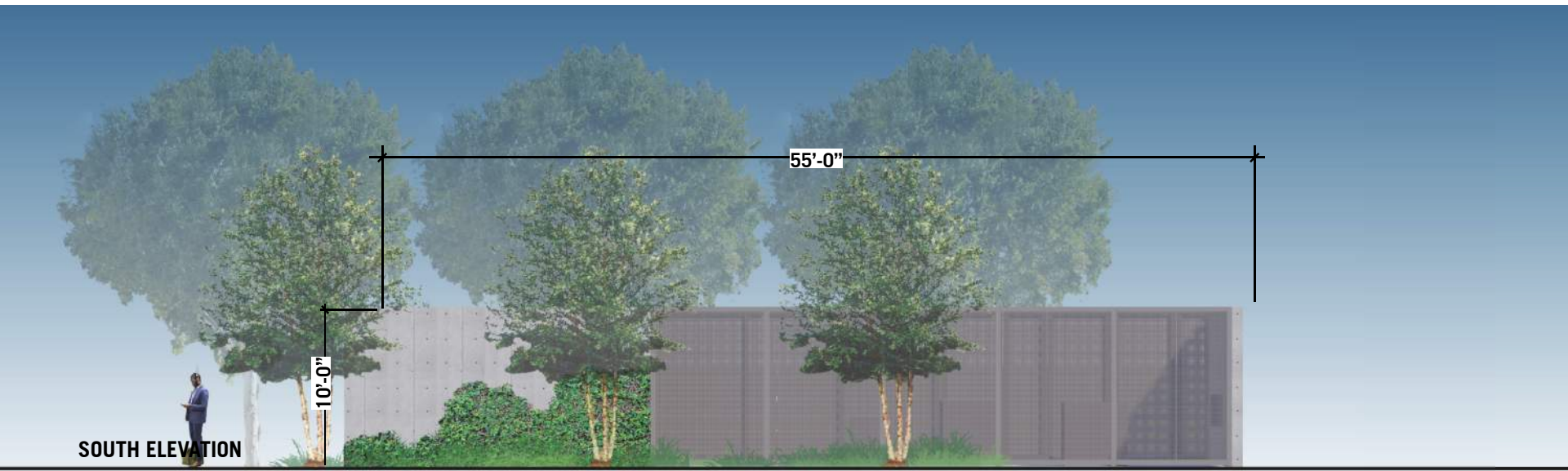
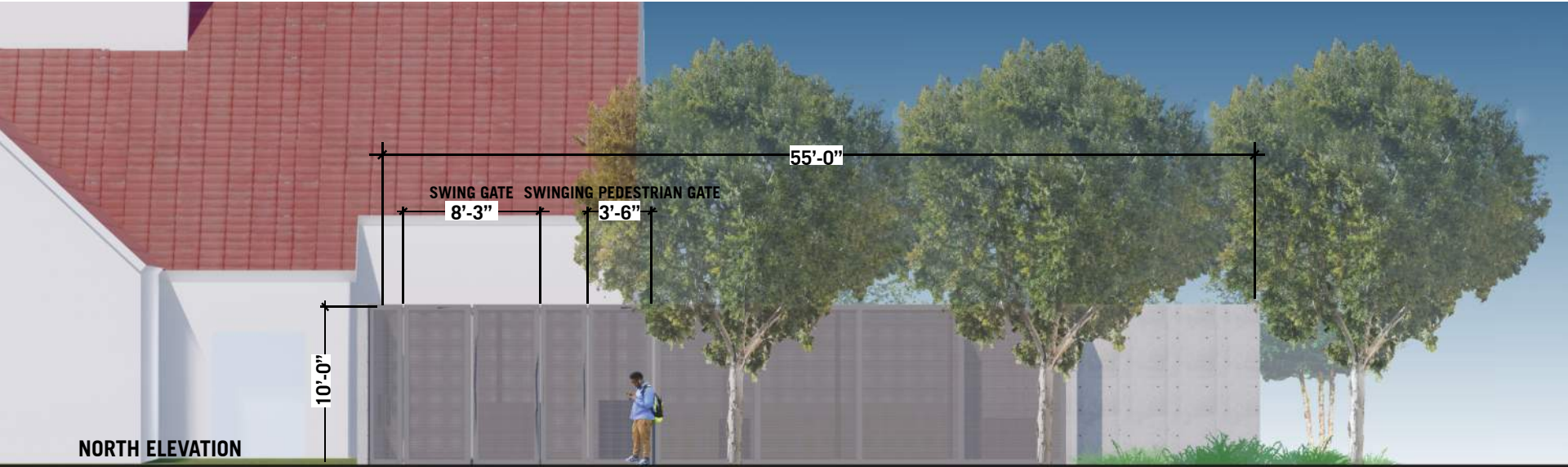


PERFORATED METAL PANEL

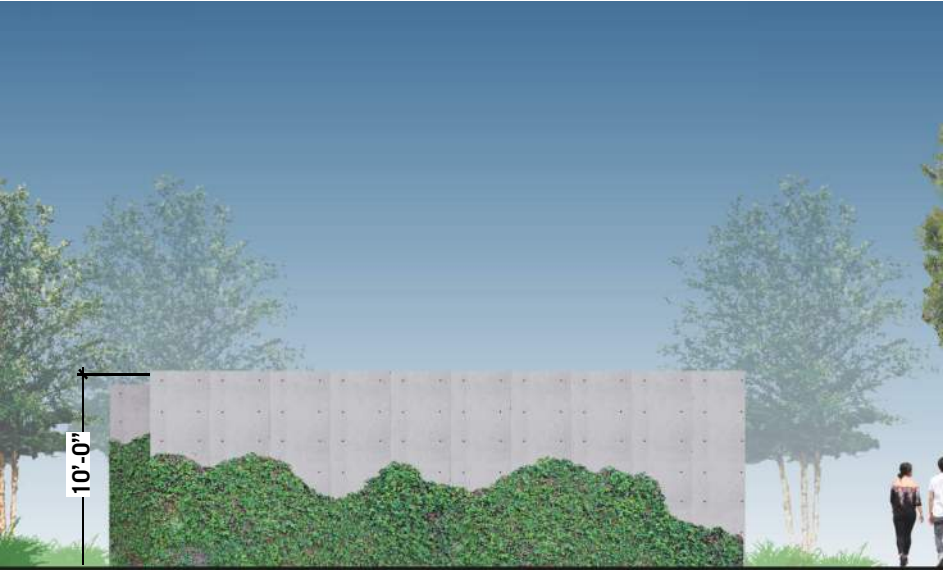
CONCRETE WALL



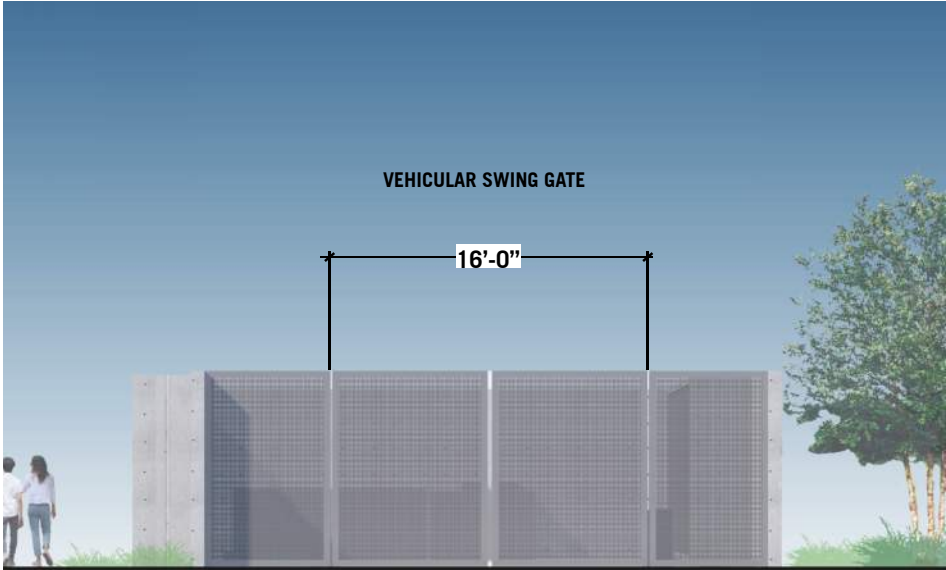
4TH STREET PUMP STATION CITYSIDE PARK



4TH STREET PUMP STATION CITYSIDE PARK



EAST ELEVATION



WEST ELEVATION

4TH STREET PUMP STATION CITYSIDE PARK

VIEW FROM 4TH STREET



4TH STREET PUMP STATION CITYSIDE PARK

VIEW FROM CULTURAL PARK



4TH STREET PUMP STATION CULTURAL PARK

PLANTING PALETTE



Betula nigra
River Birch



Ficus pumila
Creeping Fig

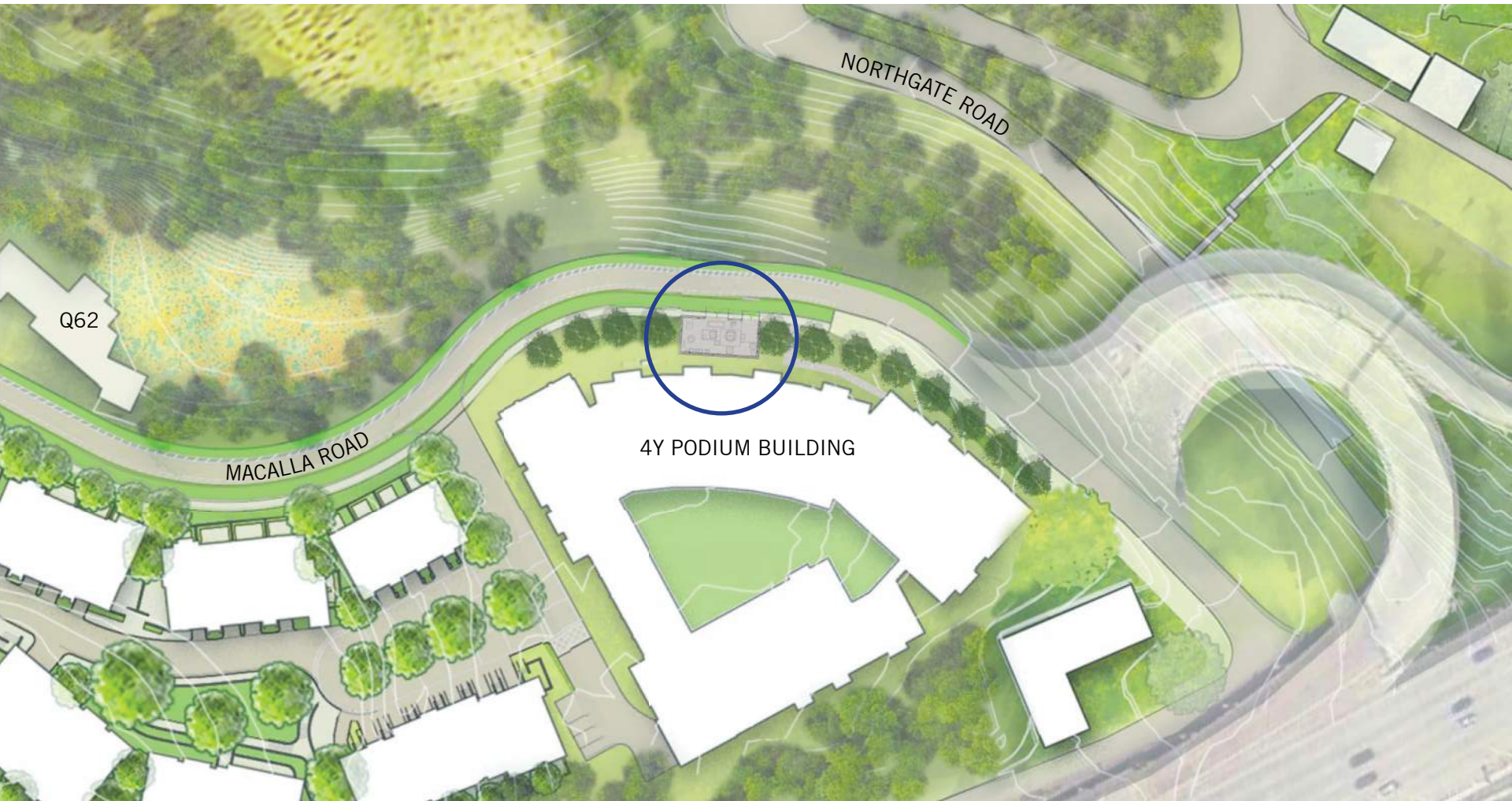


No Mow Fescue



Carissa macrocarpa
Natal Plum

MACALLA ROAD PUMP STATION

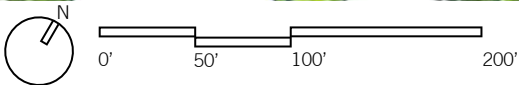


Q62

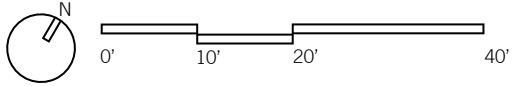
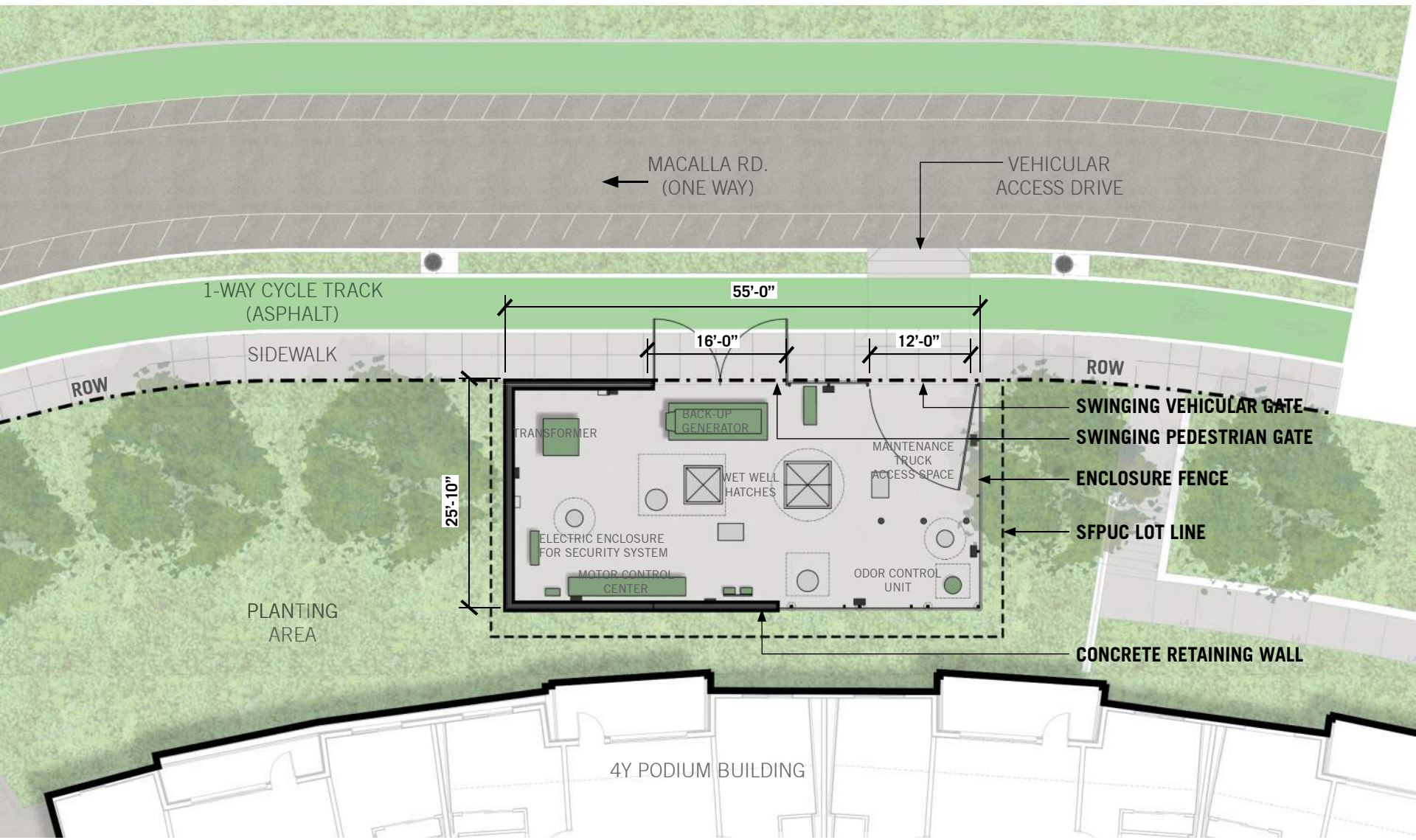
MACALLA ROAD

NORTHGATE ROAD

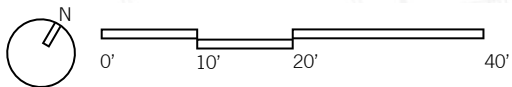
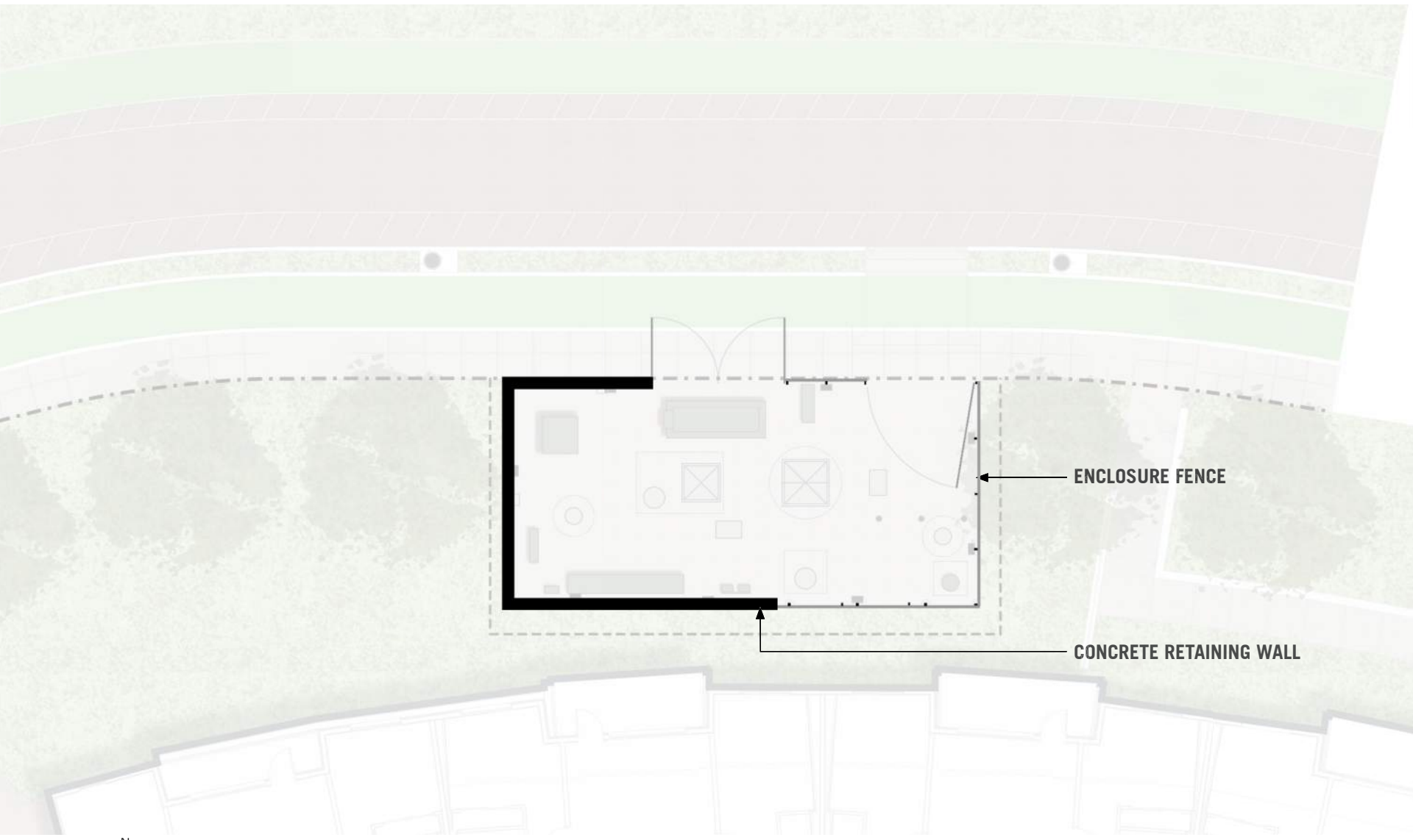
4Y PODIUM BUILDING



MACALLA ROAD PUMP STATION PLAN



MACALLA ROAD PUMP STATION PLAN

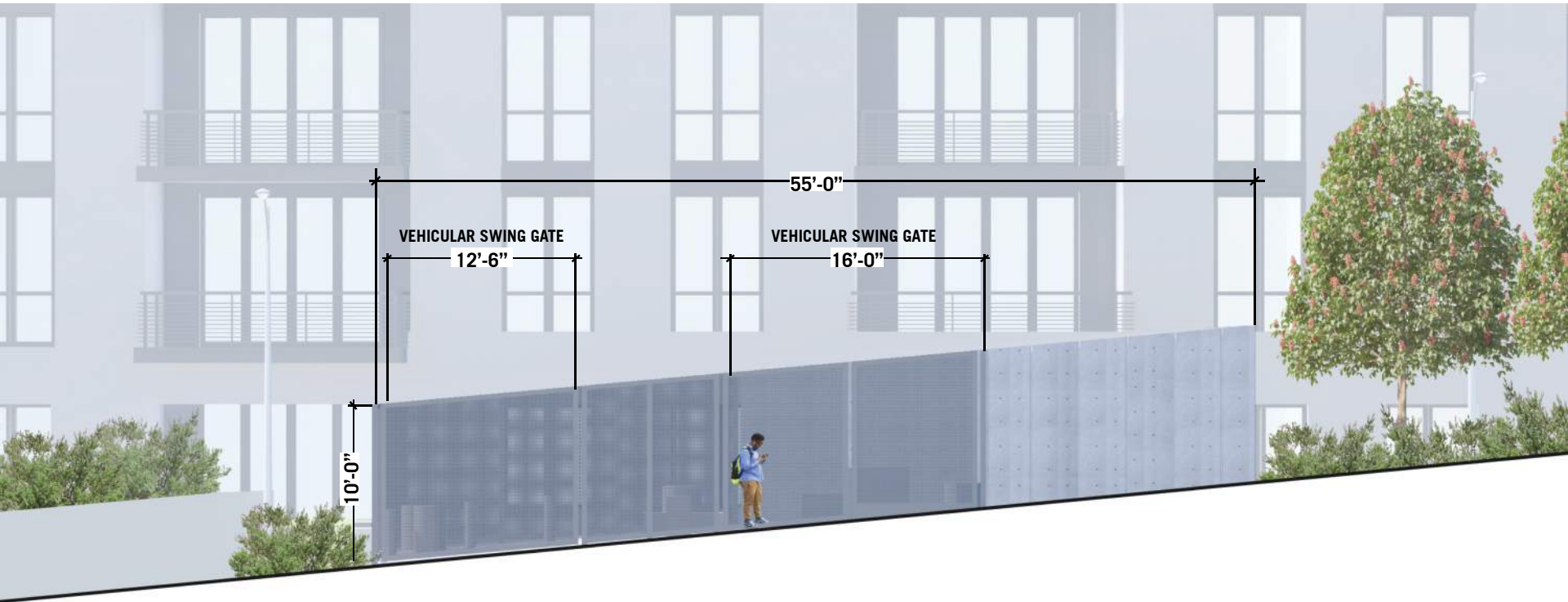


ENCLOSURE FENCE

CONCRETE RETAINING WALL

MACALLA ROAD PUMP STATION CITYSIDE PARK

PREFERRED OPTION: STANDARD COLOR CONCRETE WITH DARKER GRAY FENCING



NORTH ELEVATION

MACALLA ROAD PUMP STATION CITYSIDE PARK

VIEW FROM SIDEWALK



MACALLA ROAD PUMP STATION

PLANTING PALETTE



Aesculus x carnea 'briotii'
Briotii Red Horsechestnut



Ficus pumila
Creeping Fig

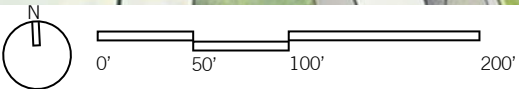


Myrica californica
Pacific Wax Myrtle



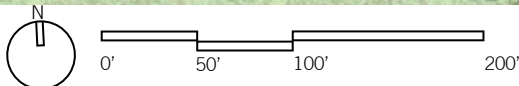
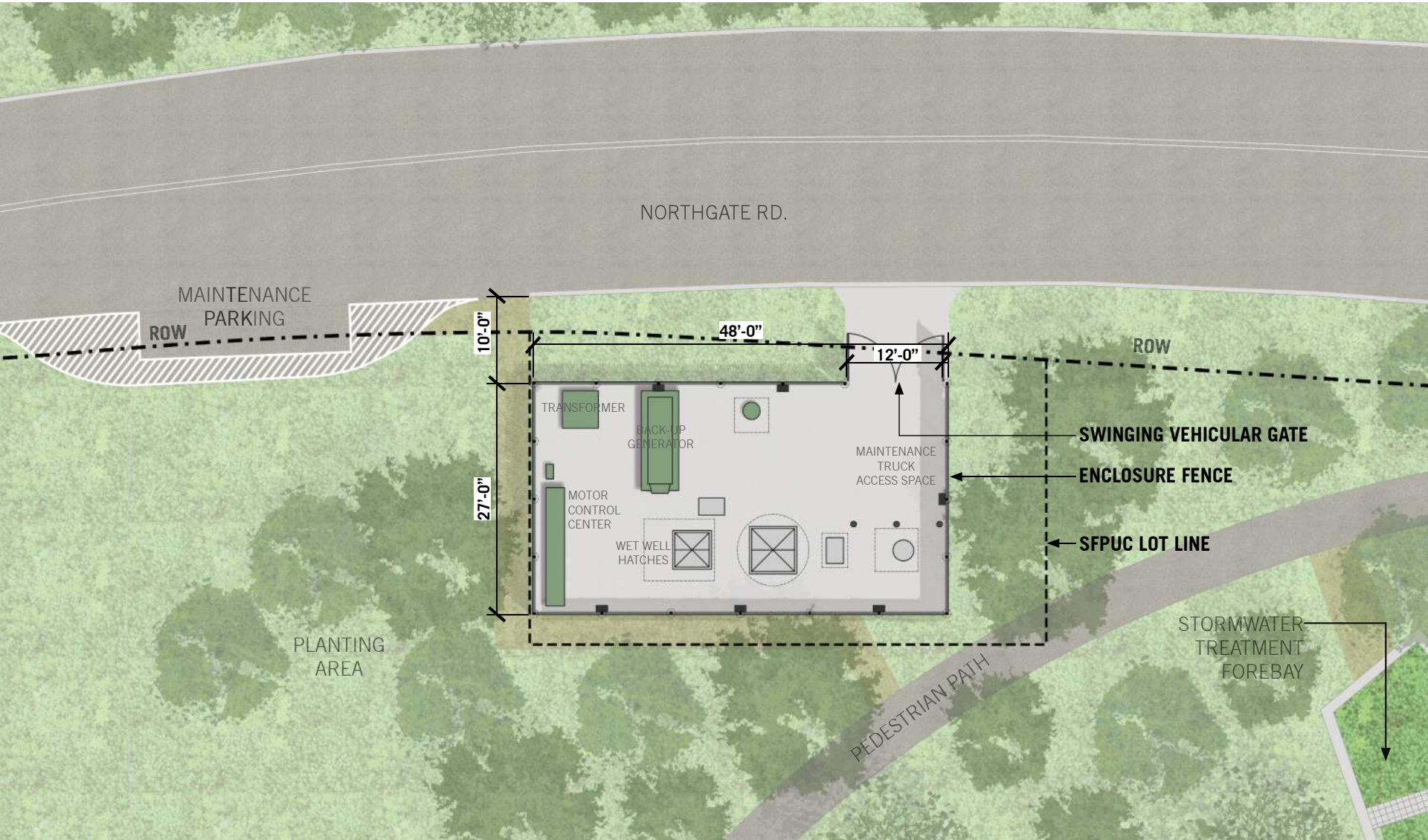
Ceanothus thyrsiflorus repens
Blueblossom

NORTH GATE PUMP STATION EAST STORMWATER GARDEN



NORTH GATE PUMP STATION EAST STORMWATER GARDEN

SITE PLAN

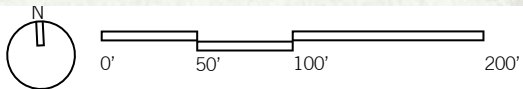


NORTH GATE PUMP STATION EAST STORMWATER GARDEN

SITE PLAN



ENCLOSURE FENCE



NORTH GATE PUMP STATION EAST STORMWATER GARDEN
PREFERRED OPTION: STANDARD COLOR CONCRETE WITH DARKER GRAY FENCING



NORTH ELEVATION

NORTH GATE PUMP STATION EAST STORMWATER GARDEN VIEW FROM GARDEN



NORTH GATE PUMP STATION

PLANTING PALETTE



Aesculus californica
California Buckeye



Heteromeles arbutifolia
Toyon



Frangula californica
Coffee Berry



Cercis occidentalis
Western Redbud



Corylus cornuta ssp. californica
Western Hazelnut



Diplacus aurantiacus
Sticky Monkey Flower

THANK YOU

