

SEATTLE DESIGN COMMISSION

WATERFRONT SEATTLE

# **MAIN CORRIDOR**

90% DESIGN

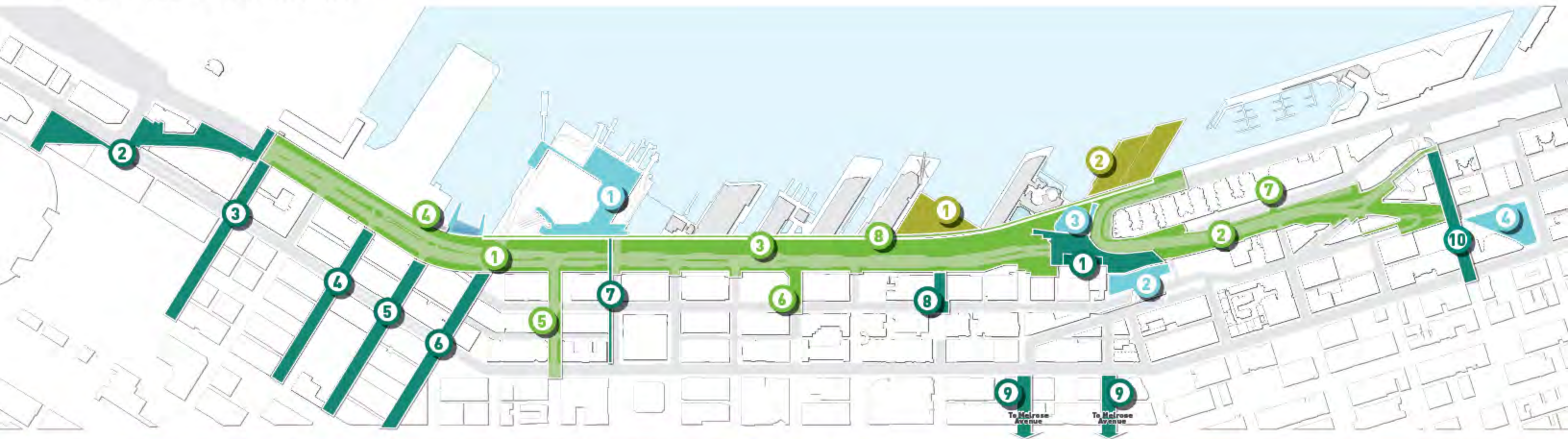
12/07/17 - **CONTINUOUS ELEMENTS**

12/08/17 - **PLACES**



# WATERFRONT SEATTLE

## OVERALL PROGRAM



### MAIN CORRIDOR

- 1 ALASKAN WAY (KING TO PIKE ST.)
- 2 ELLIOTT WAY (PIKE TO BELL ST.)
- 3 WATERFRONT PROMENADE
- 4 WASHINGTON STREET BOAT LANDING
- 5 COLUMBIA ST.
- 6 SENECA ST.
- 7 LENORA ST. BRIDGE RETROFIT
- 8 ELLIOTT BAY SEAWALL REPLACEMENT  
[SEATTLE DOT]

### EAST/WEST CONNECTIONS

- 1 OVERLOOK WALK
- 2 RAILROAD WAY
- 3 KING ST.
- 4 MAIN ST.
- 5 WASHINGTON ST.
- 6 YESLER WAY
- 7 MARION ST. BRIDGE REPLACEMENT
- 8 UNION ST.
- 9 PIKE AND PINE STS (PIKE PLACE TO MELROSE AVENUE)
- 10 BELL ST.

### PUBLIC PIERS

- 1 WATERFRONT PARK REBUILD
- 2 PIER 62/63 PHASE 1 REBUILD

### PARTNER PROJECTS

- 1 COLMAN DOCK TERMINAL REPLACEMENT (WA STATE FERRIES)
- 2 MARKETFRONT (PIKE PLACE MARKET)
- 3 OCEAN PAVILION (SEATTLE AQUARIUM SOCIETY)
- 4 PORTAL PARK (SEATTLE PARKS)



# WATERFRONT SEATTLE

## MAIN CORRIDOR



### MAIN CORRIDOR

- 1 ALASKAN WAY (KING TO PIKE ST.)
- 2 ELLIOTT WAY (PIKE TO BELL ST.)
- 3 WATERFRONT PROMENADE
- 4 WASHINGTON STREET BOAT LANDING
- 5 COLUMBIA ST.
- 6 SENECA ST.
- 7 LENORA ST. BRIDGE RETROFIT
- 8 ELLIOTT BAY SEAWALL REPLACEMENT  
(SEATTLE DOT)

# **MAIN CORRIDOR**

90% DESIGN

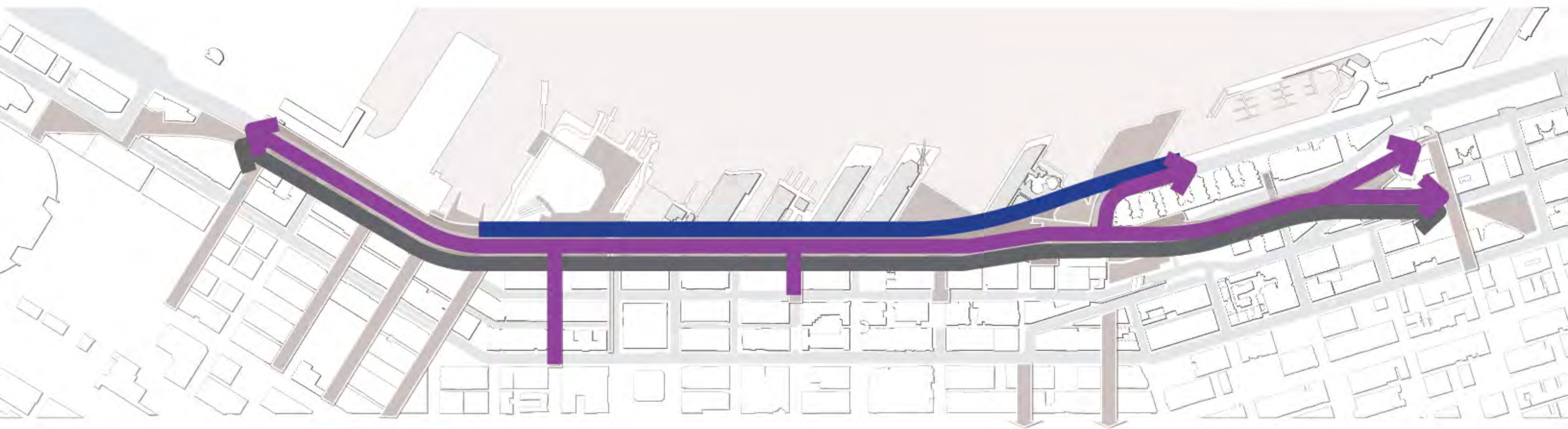
12/07/17 - **CONTINUOUS ELEMENTS**

12/08/17 - **PLACES**



# CONTINUOUS ELEMENTS

## INFRASTRUCTURE



### LEGEND

- ELLIOTT BAY SEA WALL
- UTILITIES
- ALASKAN WAY/ELLIOTT WAY

# CONTINUOUS ELEMENTS

## PUBLIC REALM



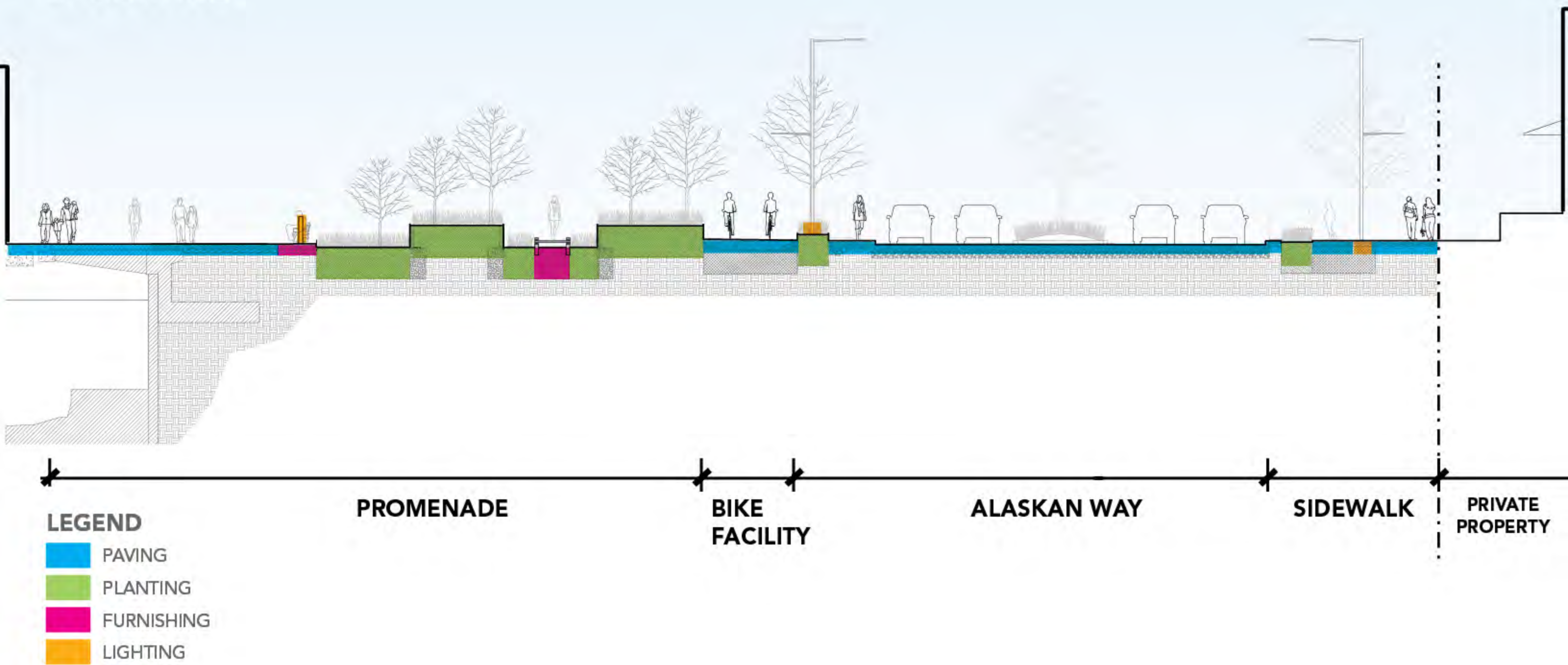
- LEGEND**
- PAVING
  - PLANTING
  - FURNISHING
  - LIGHTING



# CONTINUOUS ELEMENTS

## MAIN CORRIDOR

- 1. PAVING
- 2. PLANTING
- 3. FURNISHING
- 4. LIGHTING

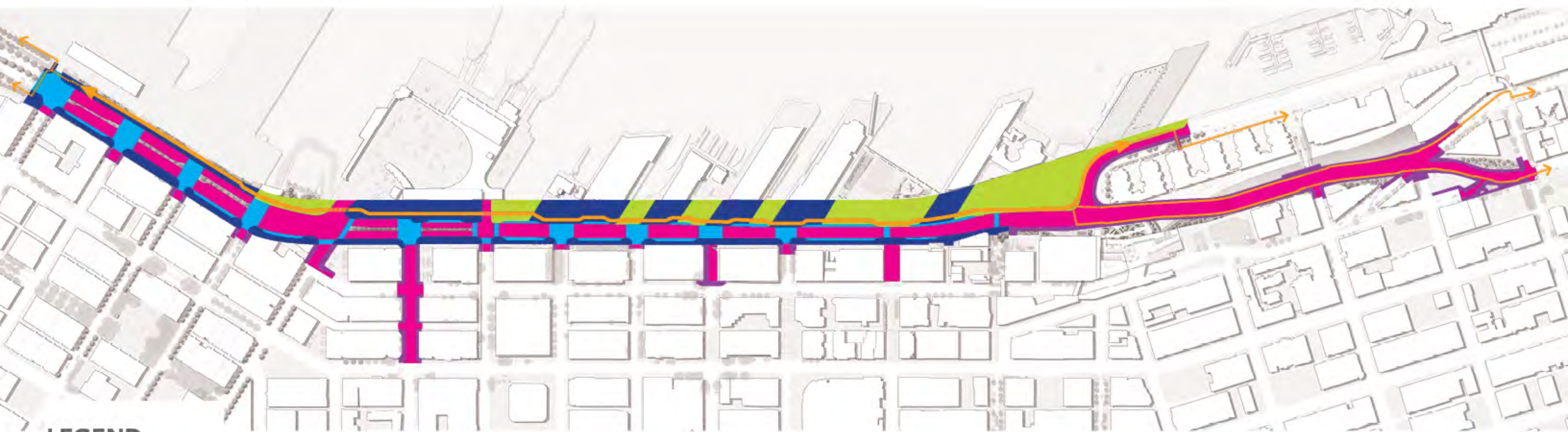


CONTINUOUS ELEMENTS

**PAVING**



# PAVING MATERIALS



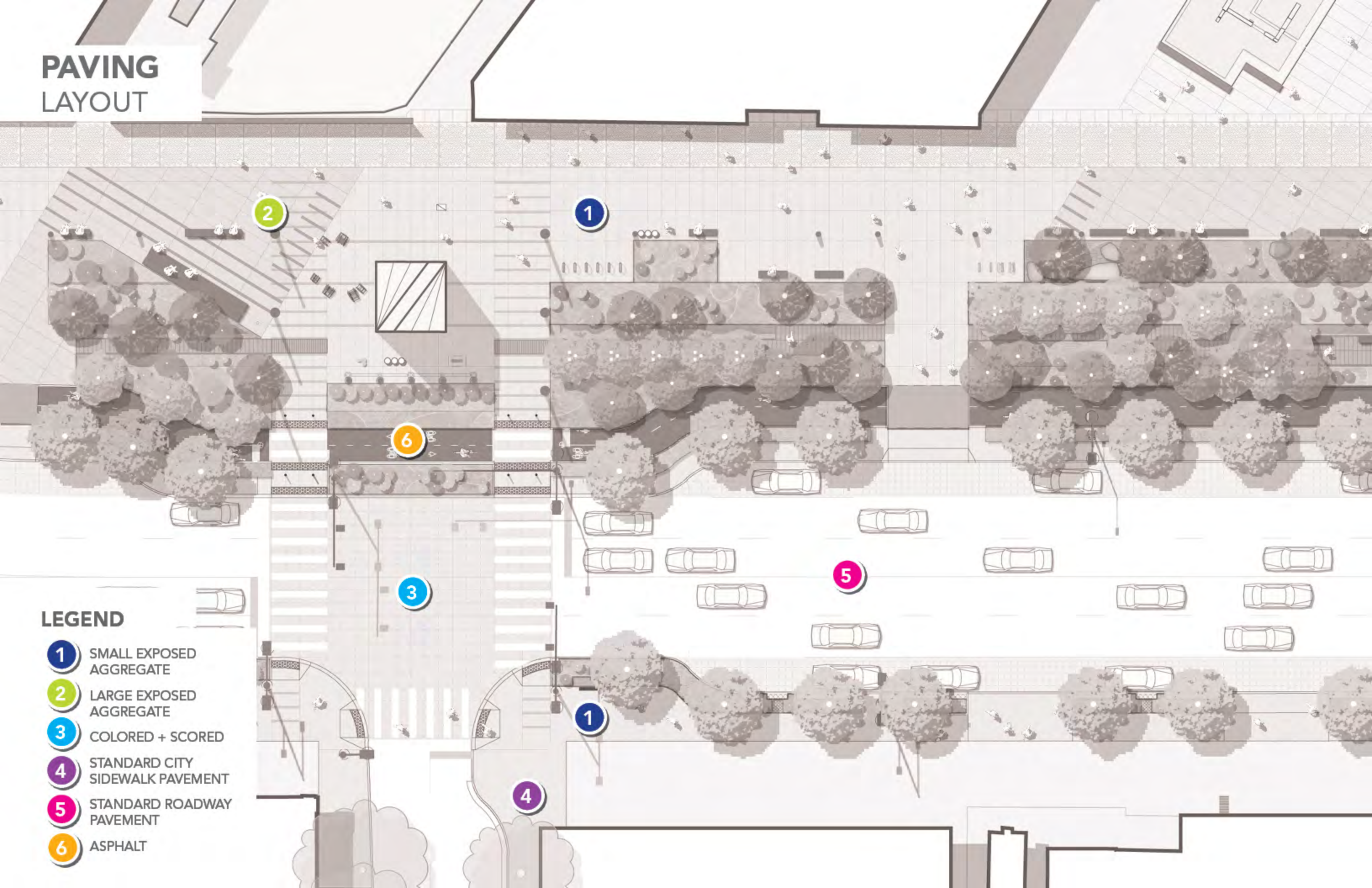
- LEGEND**
- SMALL EXPOSED AGGREGATE
  - LARGE EXPOSED AGGREGATE
  - COLORED + SCORED
  - STANDARD CITY SIDEWALK PAVEMENT
  - STANDARD ROADWAY PAVEMENT
  - ASPHALT



# PAVING LAYOUT

## LEGEND

- 1 SMALL EXPOSED AGGREGATE
- 2 LARGE EXPOSED AGGREGATE
- 3 COLORED + SCORED
- 4 STANDARD CITY SIDEWALK PAVEMENT
- 5 STANDARD ROADWAY PAVEMENT
- 6 ASPHALT





**PAVING**  
MATERIAL PALETTE





# PAVING

## EAST SIDEWALK

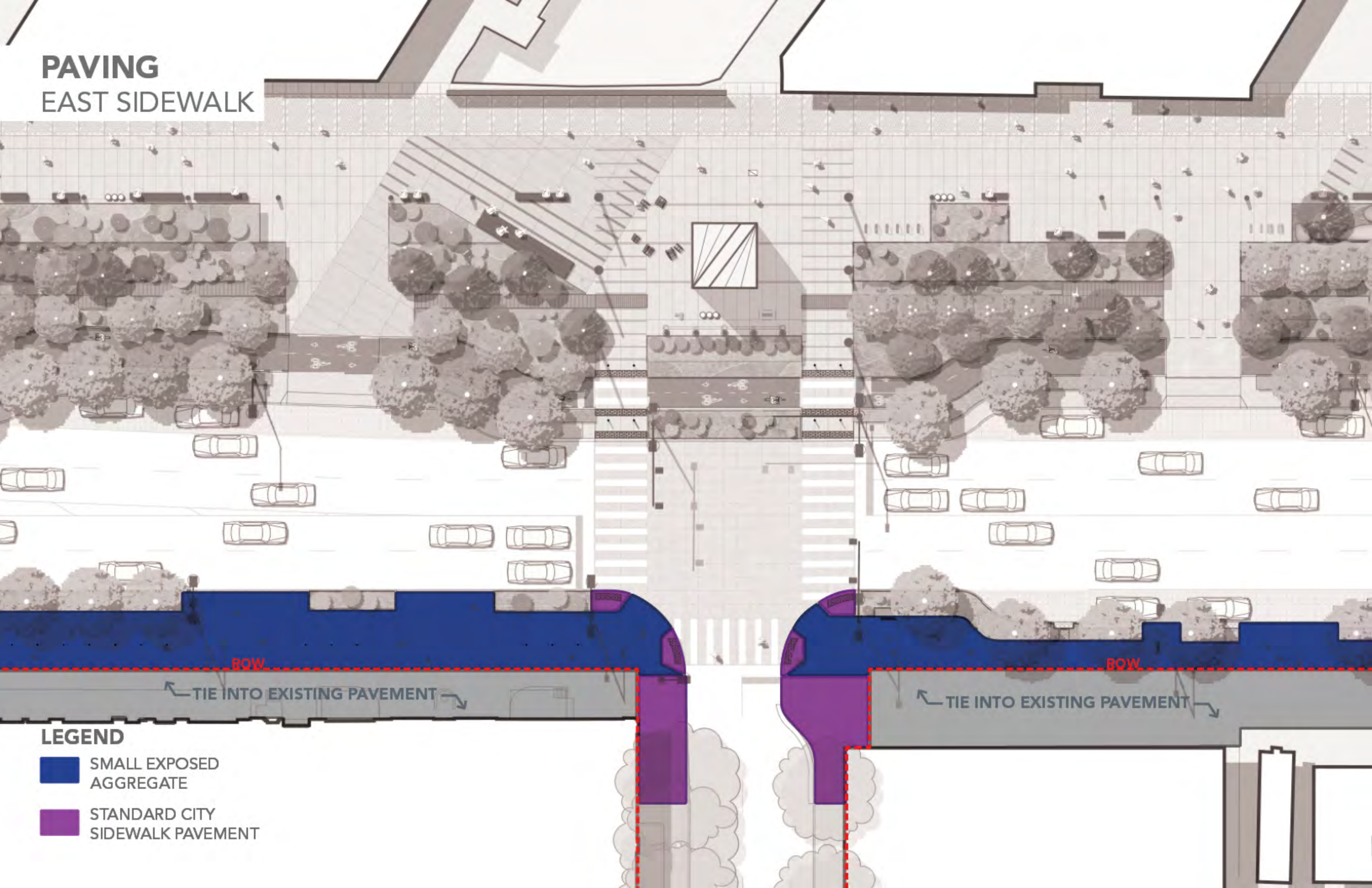


### LEGEND

-  SMALL EXPOSED AGGREGATE
-  STANDARD CITY SIDEWALK PAVEMENT



# PAVING EAST SIDEWALK

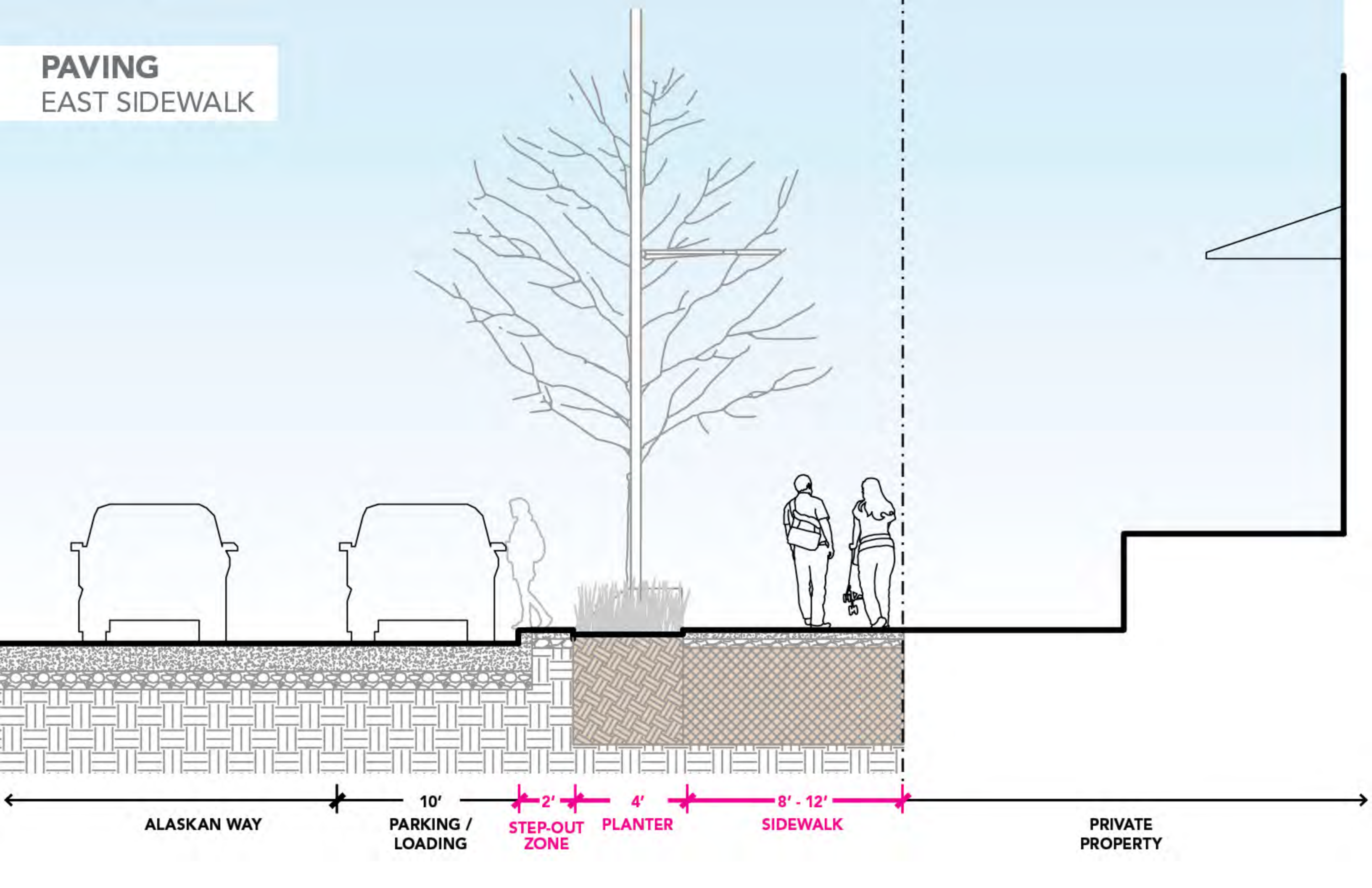


## LEGEND

- SMALL EXPOSED AGGREGATE
- STANDARD CITY SIDEWALK PAVEMENT



**PAVING**  
EAST SIDEWALK





# PAVING RIGHT OF WAY



ONE  
WAY  
→

< PUBLIC

ROW

PRIVATE >



PAVING  
RIGHT OF WAY



< PUBLIC

ROW

PRIVATE >



PAVING  
EAST SIDEWALK





## PAVING

### SMALL EXPOSED AGGREGATE



## SURFACE AGGREGATE




1/4" - 3/8" WASHED PEA GRAVEL  
(BUILDERS SAND & GRAVEL)

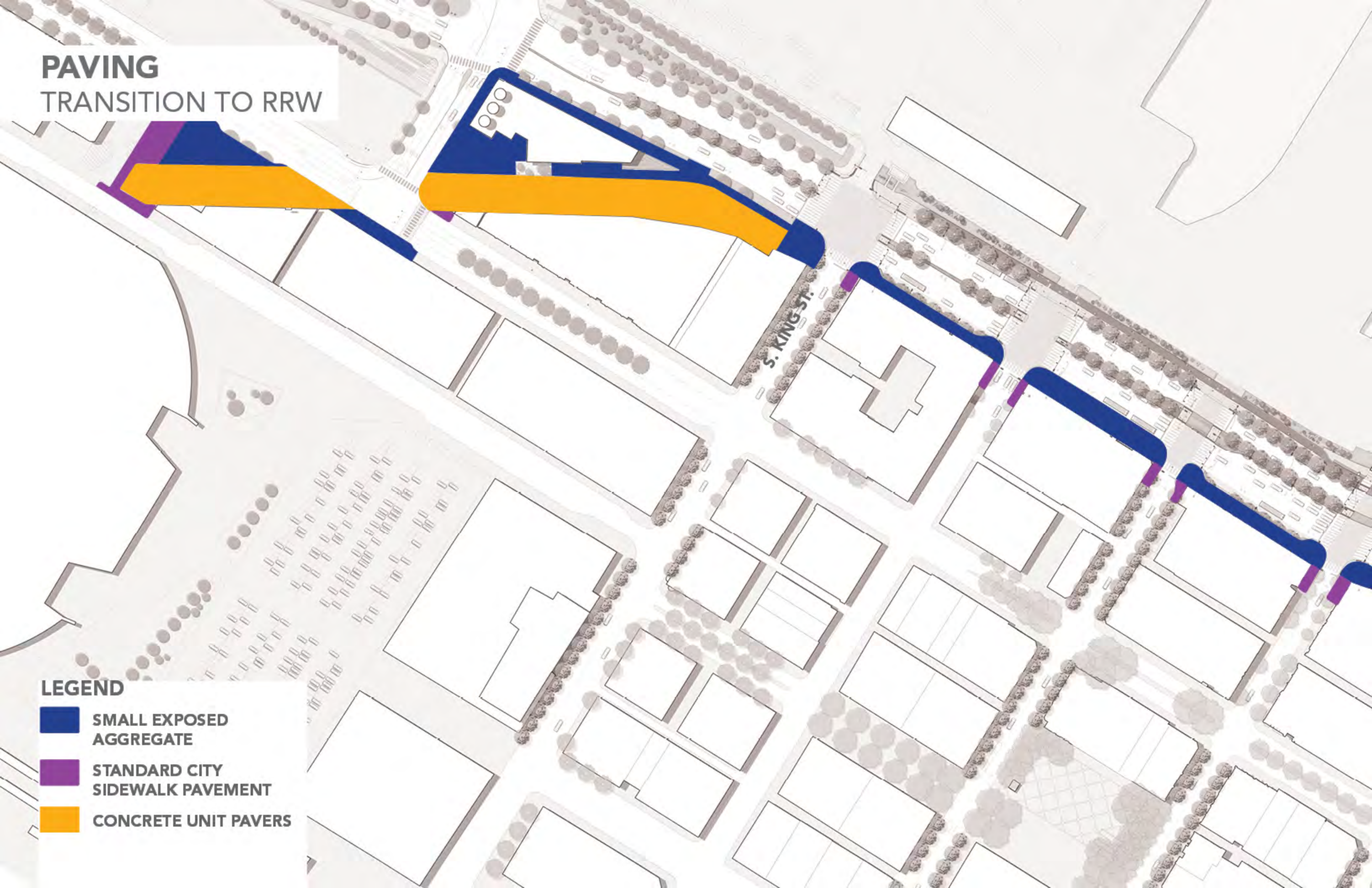
## CEMENT MIX

TYPE II + V  
DARKER COLORING (SIM. TO LAMP BLACK)



**PAVING**  
TRANSITION TO RRW

- LEGEND**
-  SMALL EXPOSED AGGREGATE
  -  STANDARD CITY SIDEWALK PAVEMENT
  -  CONCRETE UNIT PAVERS





**PAVING**  
TRANSITION TO RRW

- LEGEND**
-  SMALL EXPOSED AGGREGATE
  -  STANDARD CITY SIDEWALK PAVEMENT
  -  CONCRETE UNIT PAVERS





PAVING  
RRW MATERIALS



PAVER COLOR 1

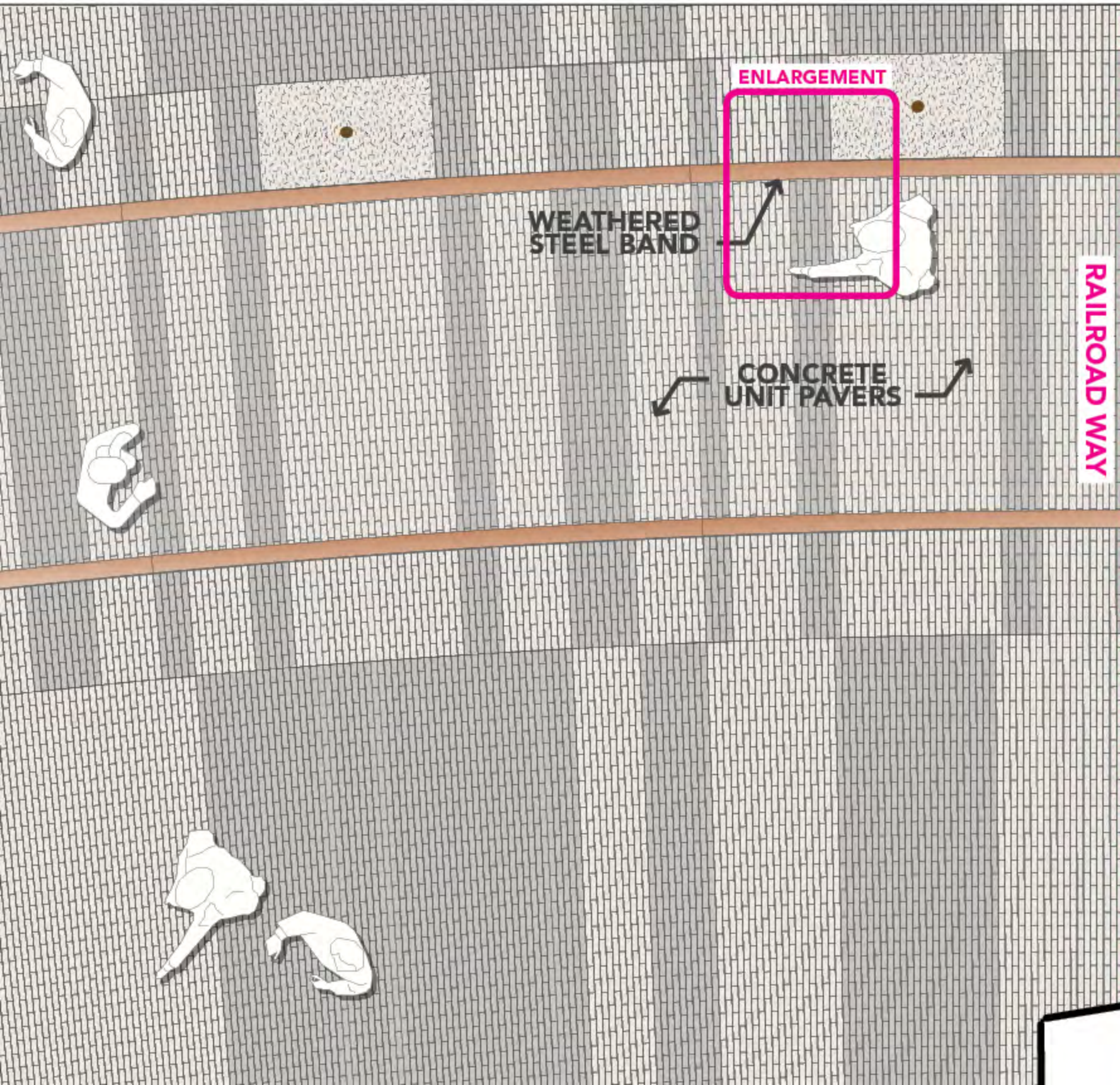
PAVER COLOR 2

METAL BAND

BONDED GRAVEL @ TREE PIT

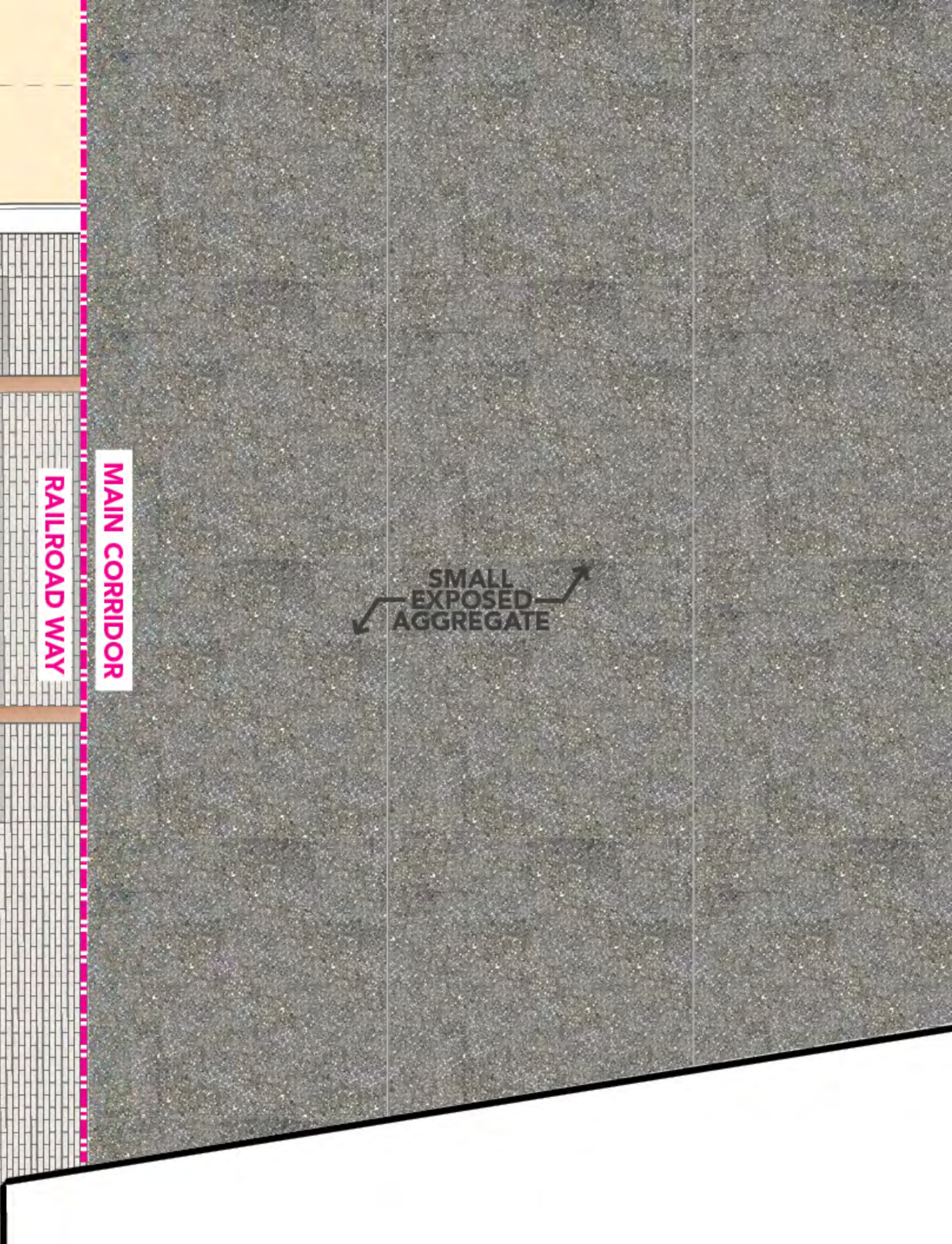


**PAVING**  
TRANSITION TO RRW



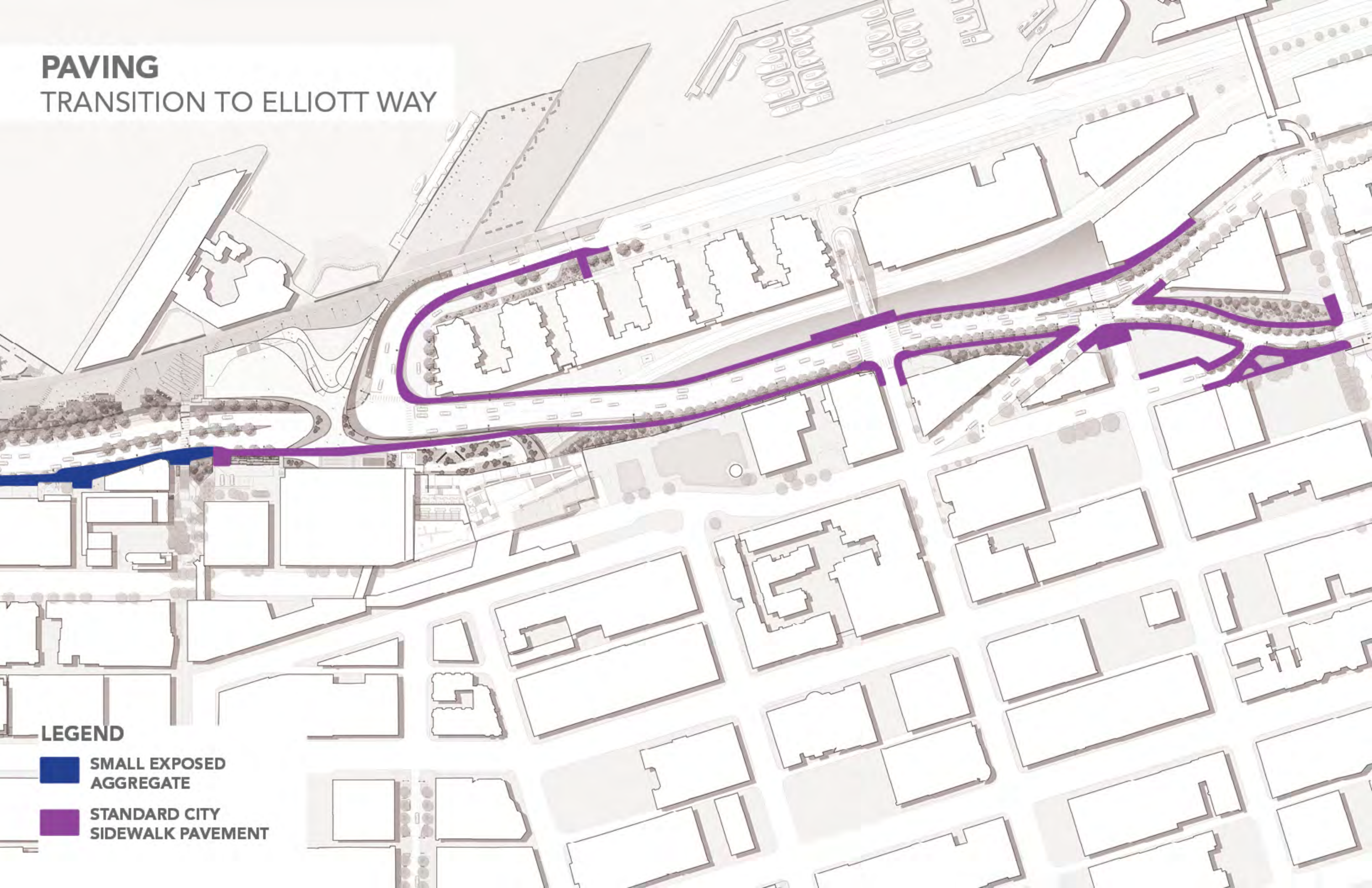
RAILROAD WAY

MAIN CORRIDOR





**PAVING**  
TRANSITION TO ELLIOTT WAY



**LEGEND**

-  **SMALL EXPOSED AGGREGATE**
-  **STANDARD CITY SIDEWALK PAVEMENT**



# PAVING

## TRANSITION TO ELLIOTT WAY

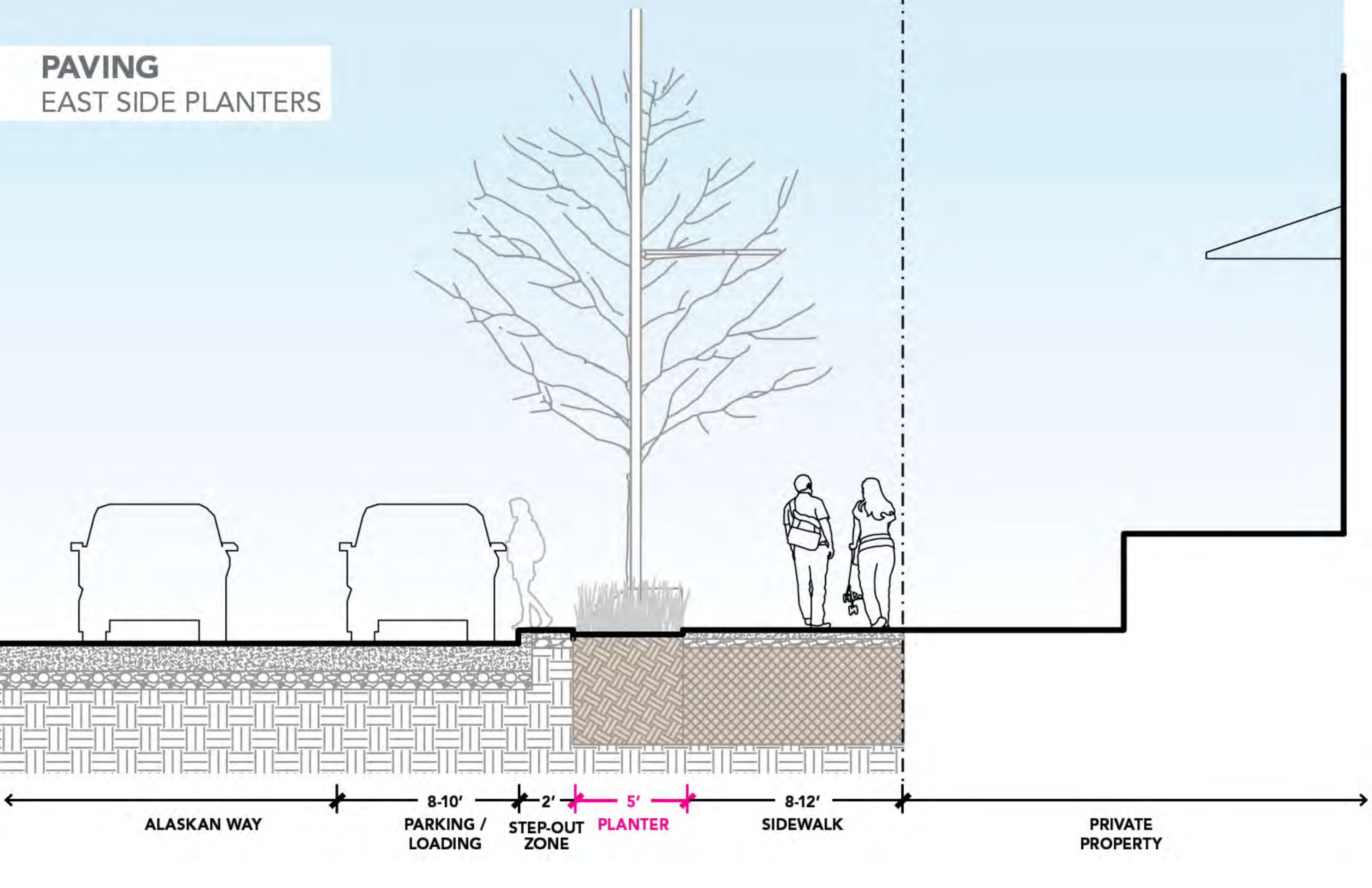


### LEGEND

-  SMALL EXPOSED AGGREGATE
-  STANDARD CITY SIDEWALK PAVEMENT

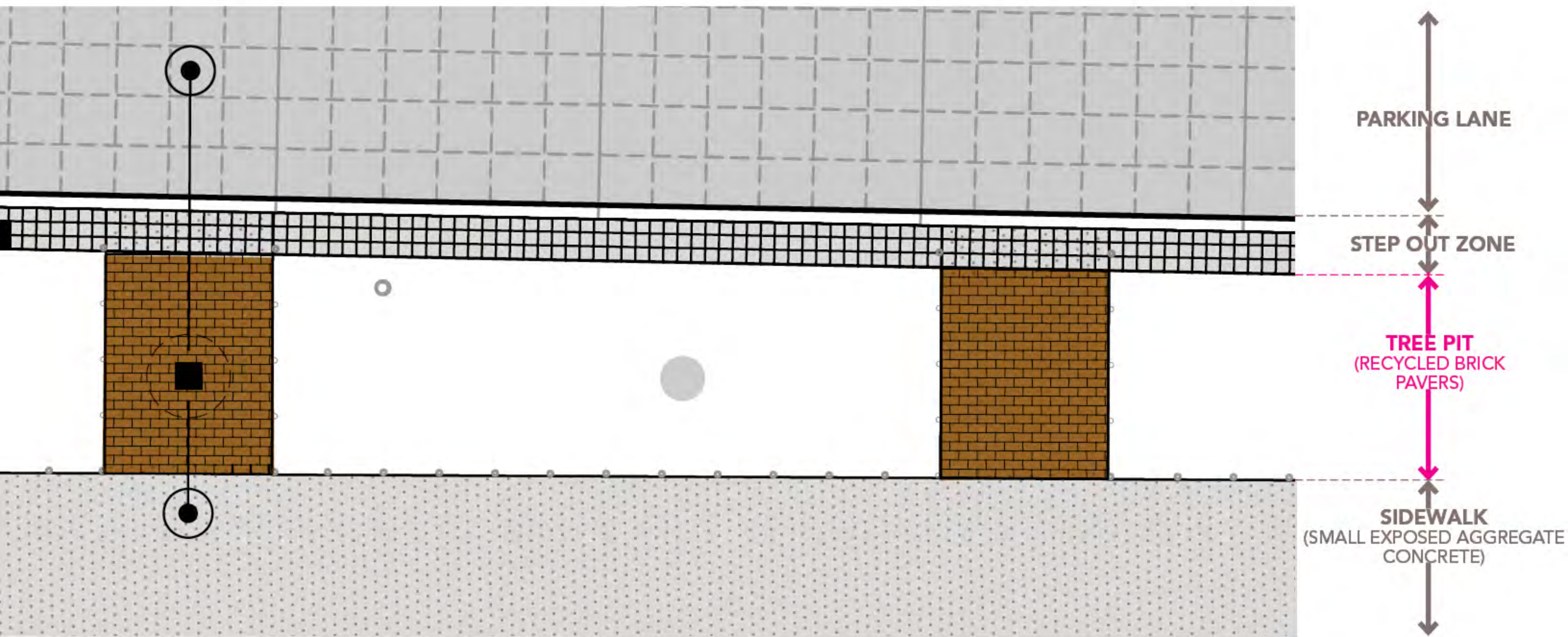


**PAVING**  
EAST SIDE PLANTERS





**PAVING**  
PIONEER SQUARE BRICKS CROSSING OVER TREE PITS





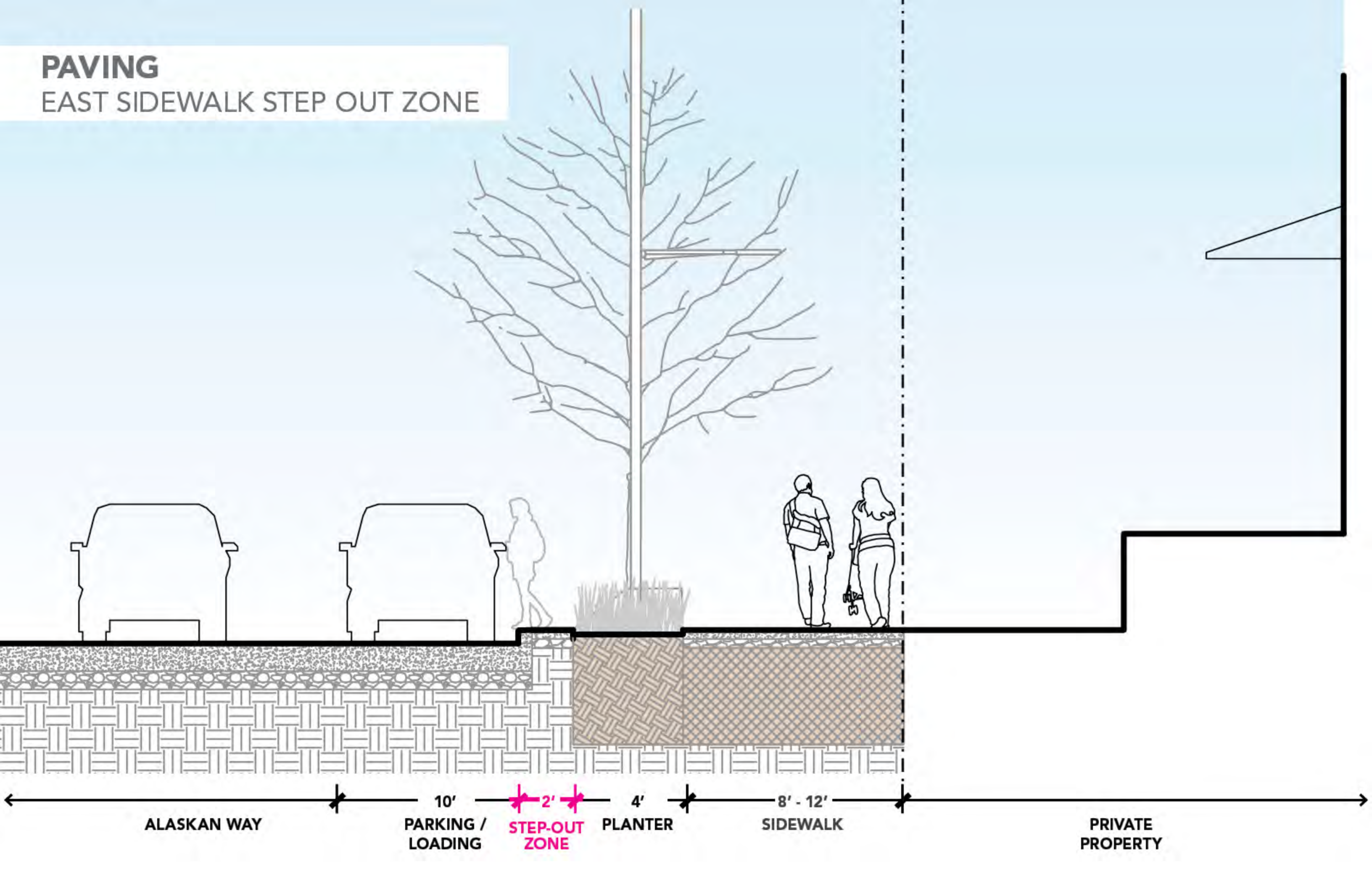
# PAVING RECYCLED BRICKS



7,000 BRICKS SALVAGED FROM  
4TH AVENUE PAVING PROJECT

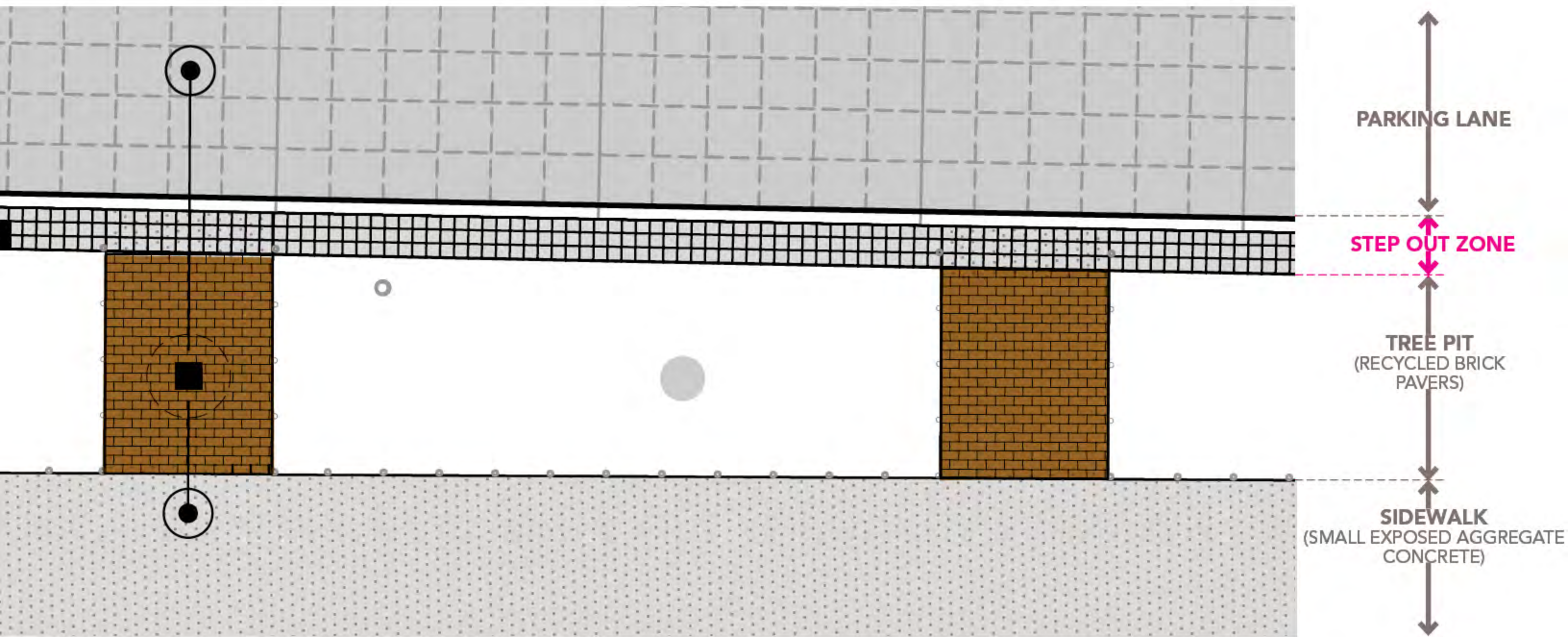


**PAVING**  
EAST SIDEWALK STEP OUT ZONE





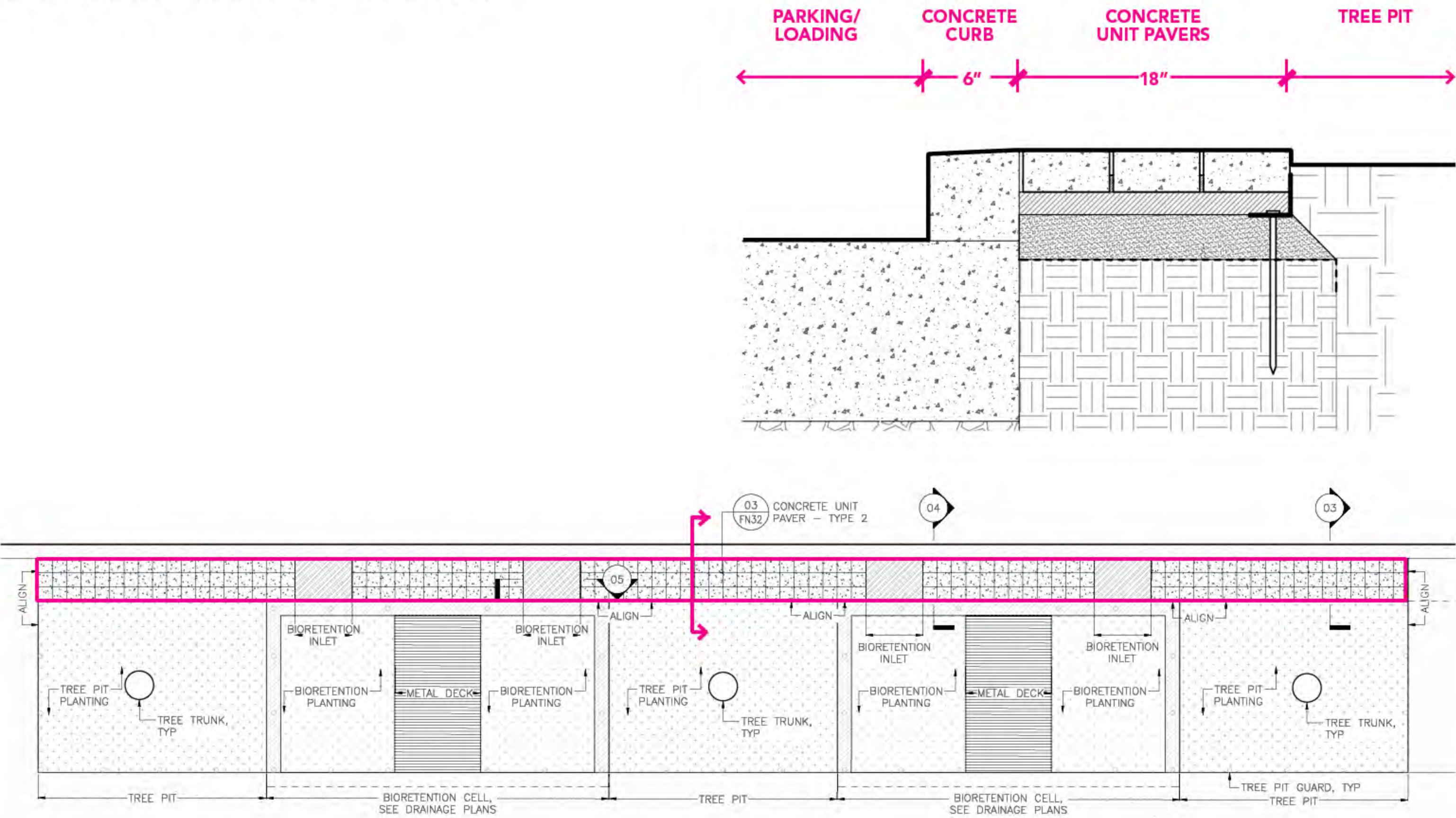
**PAVING**  
EAST SIDEWALK STEP OUT ZONE





# PAVING

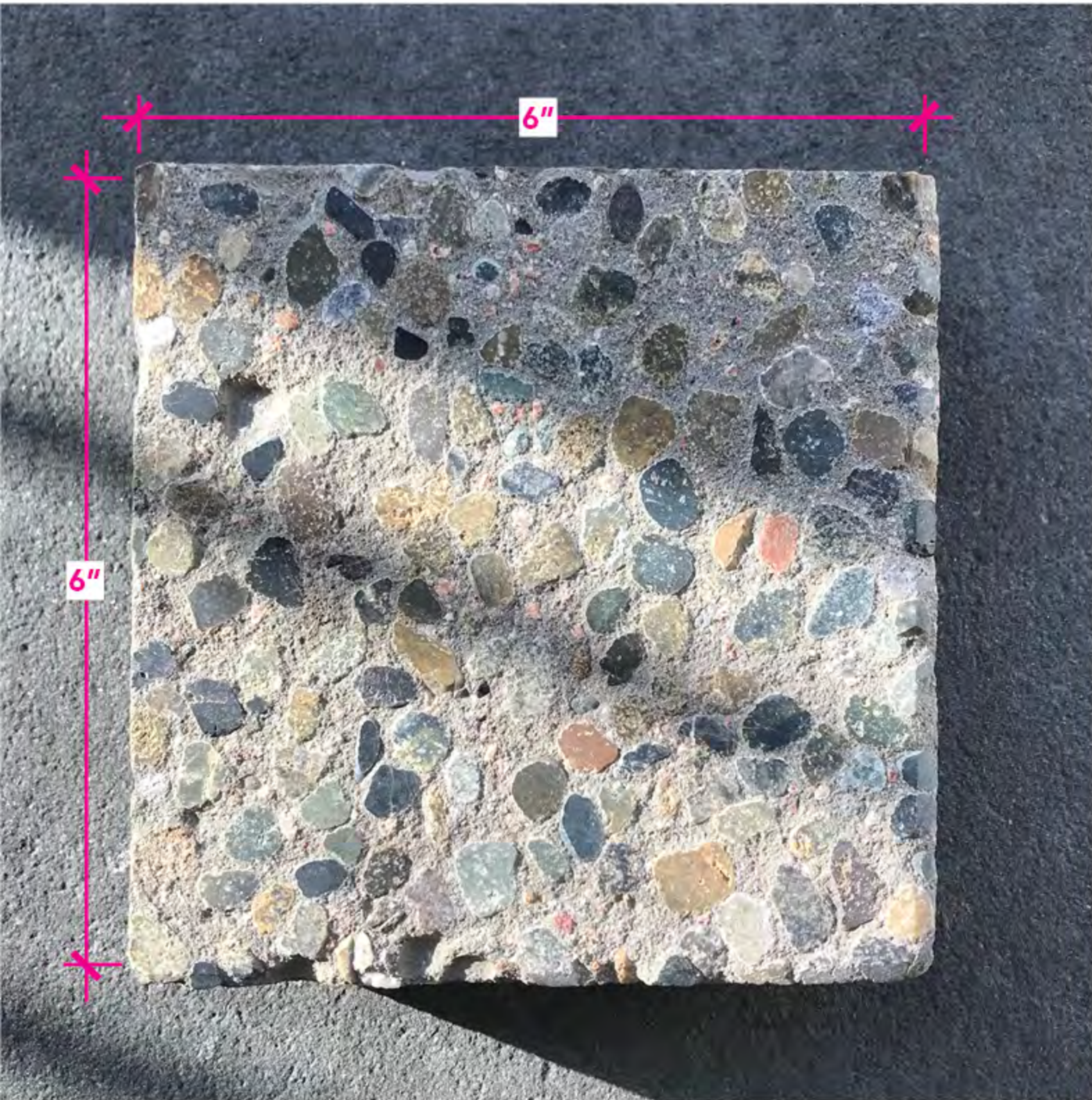
## EAST SIDEWALK STEP OUT ZONE





**PAVING**

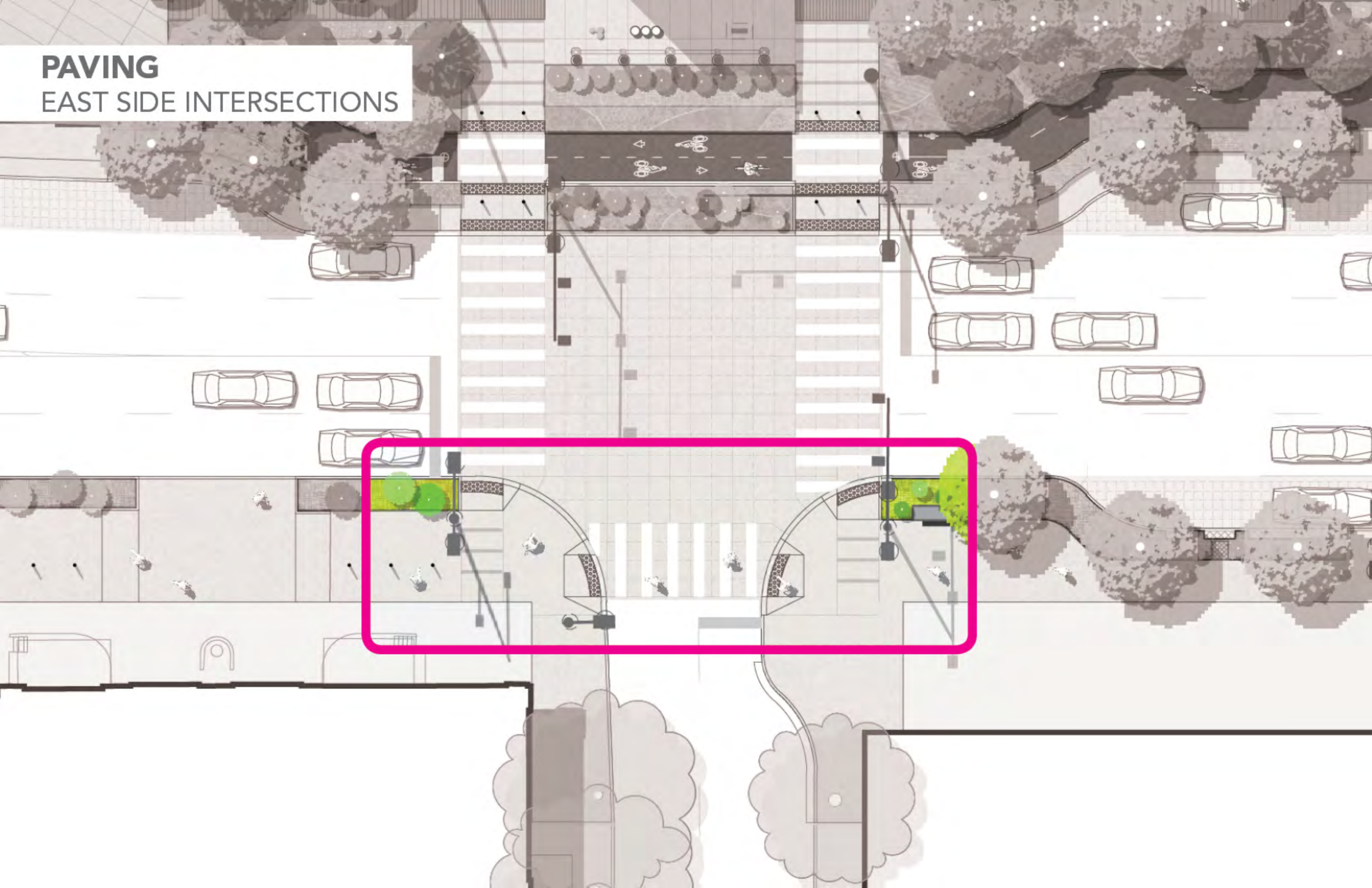
EAST SIDEWALK STEP OUT ZONE



PRE-CAST EXPOSED AGGREGATE CONCRETE UNIT PAVER

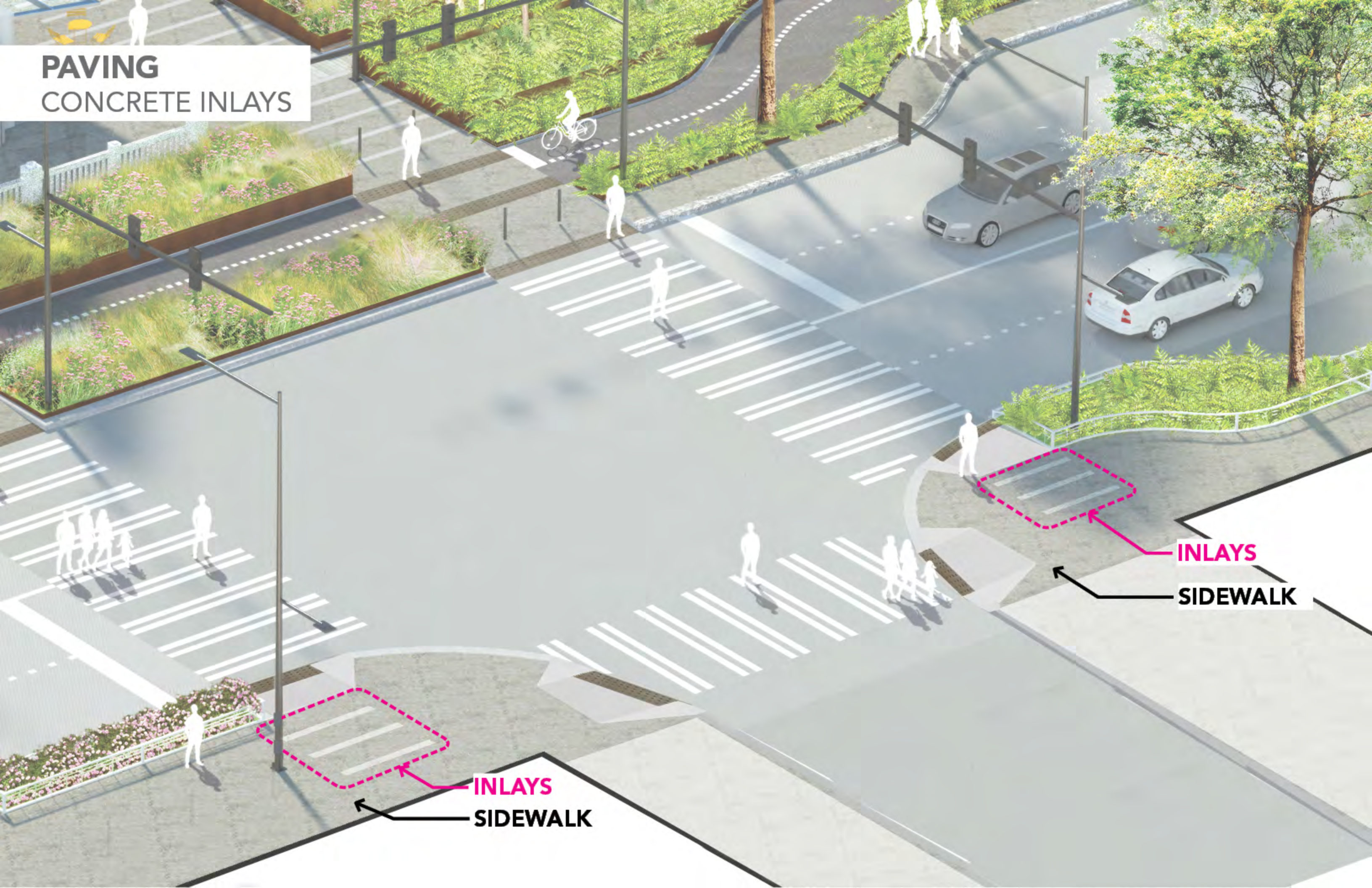


**PAVING**  
EAST SIDE INTERSECTIONS





**PAVING  
CONCRETE INLAYS**



**INLAYS**

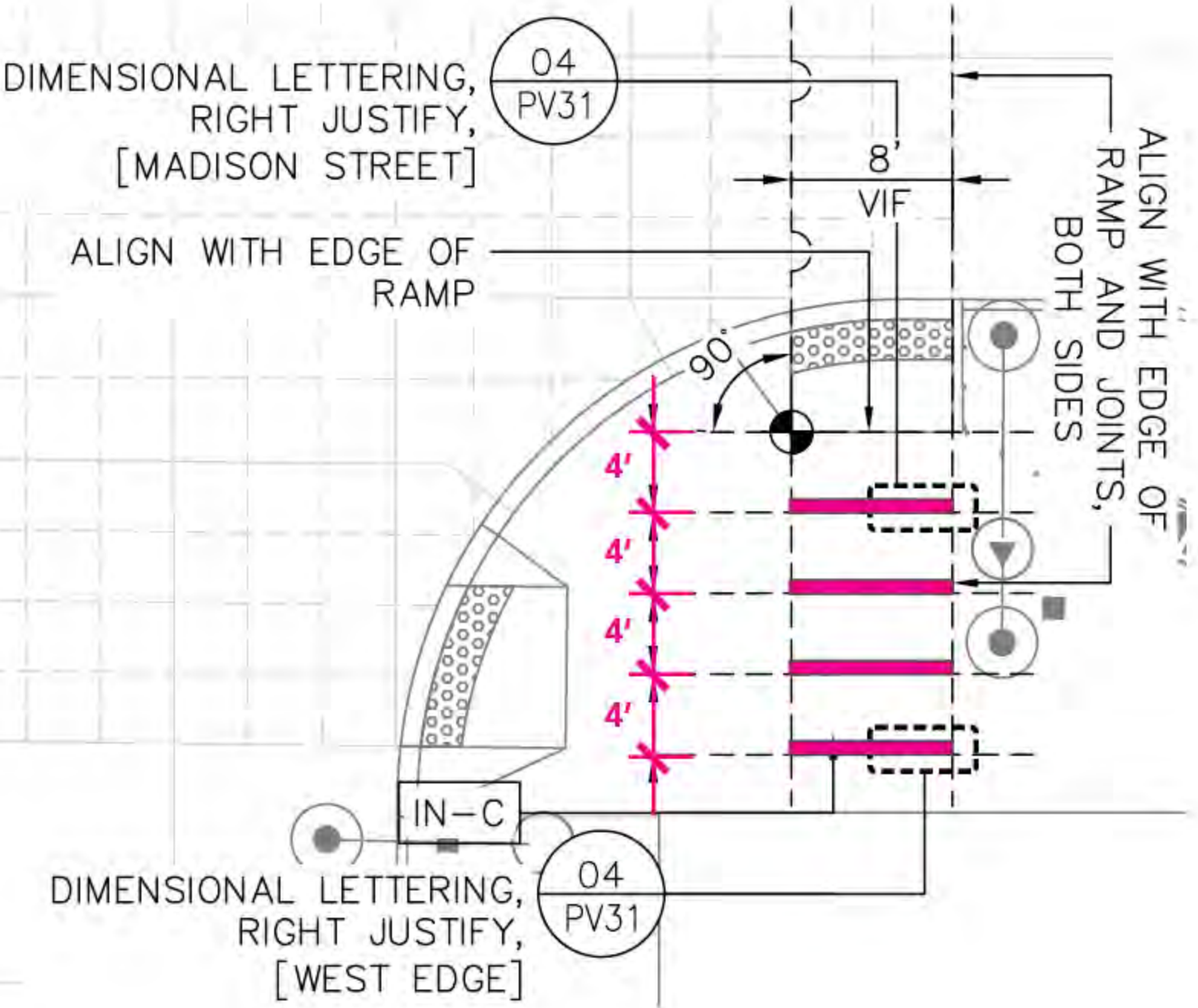
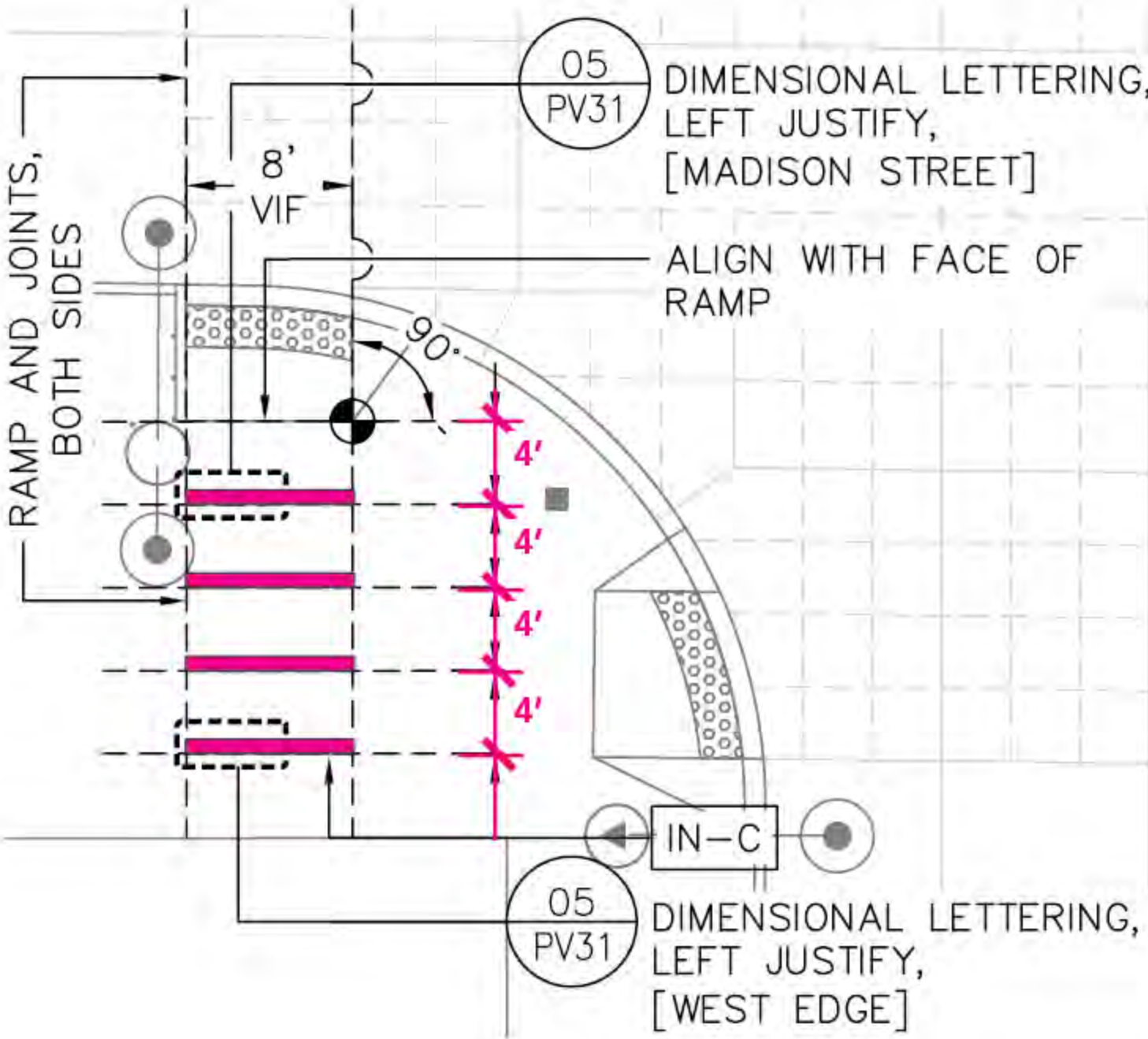
**SIDEWALK**

**INLAYS**

**SIDEWALK**



PAVING  
CONCRETE INLAYS





# PAVING CONCRETE INLAYS



HARD TROWELED FINISH

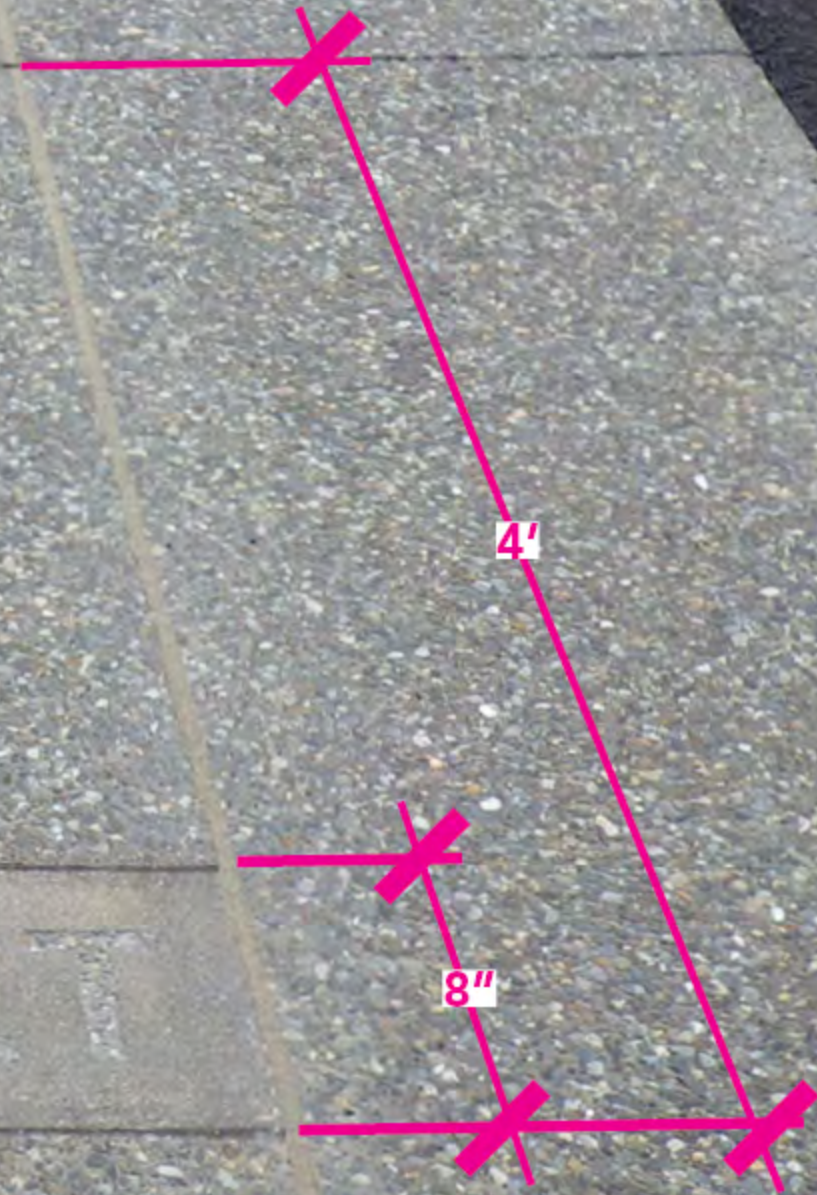
SMALL EXPOSED AGGREGATE



PAVING  
CONCRETE INLAYS



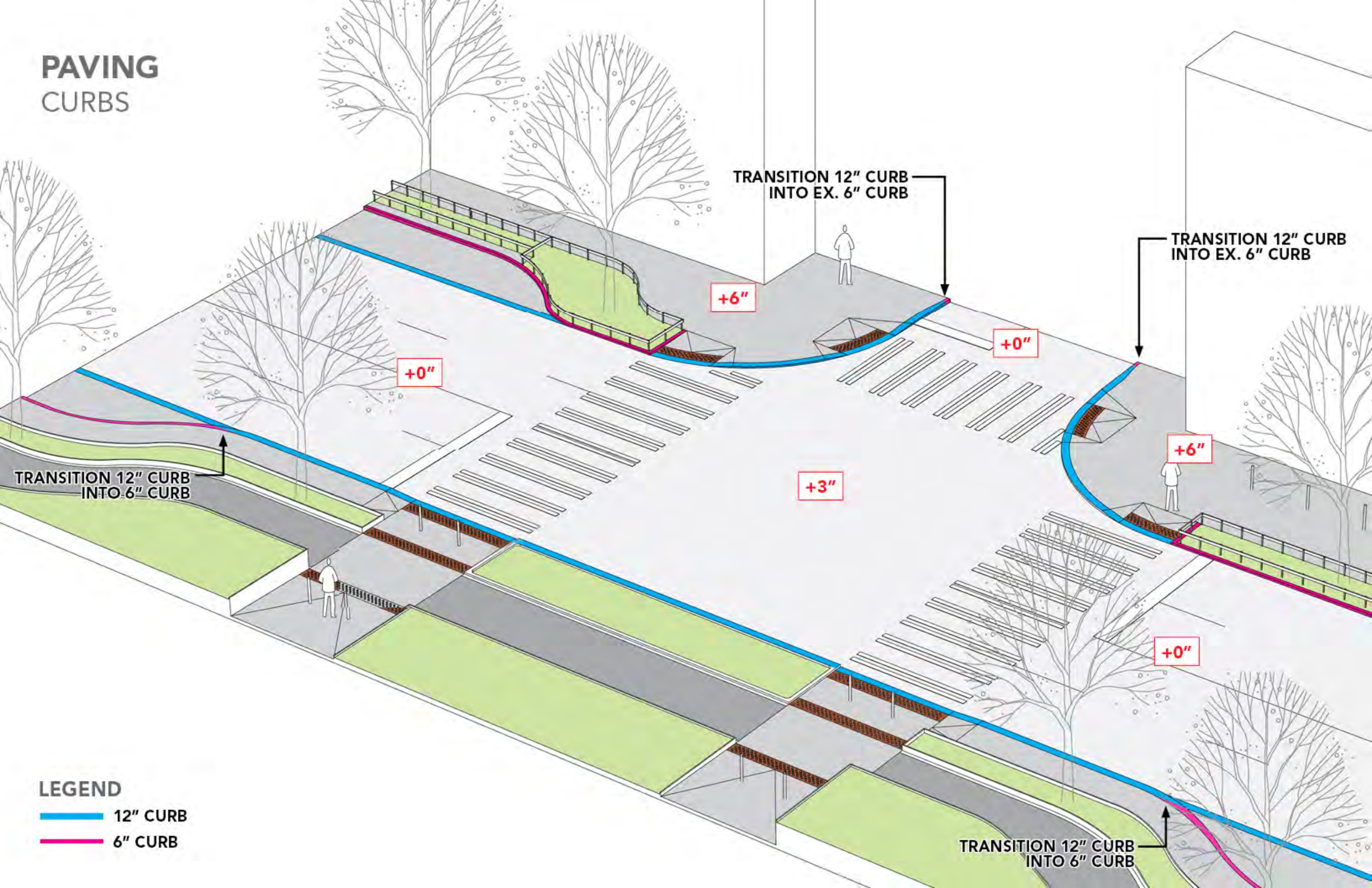
UNION STREET



05 / 25 / 2016 08 : 50



# PAVING CURBS



TRANSITION 12" CURB  
INTO EX. 6" CURB

TRANSITION 12" CURB  
INTO EX. 6" CURB

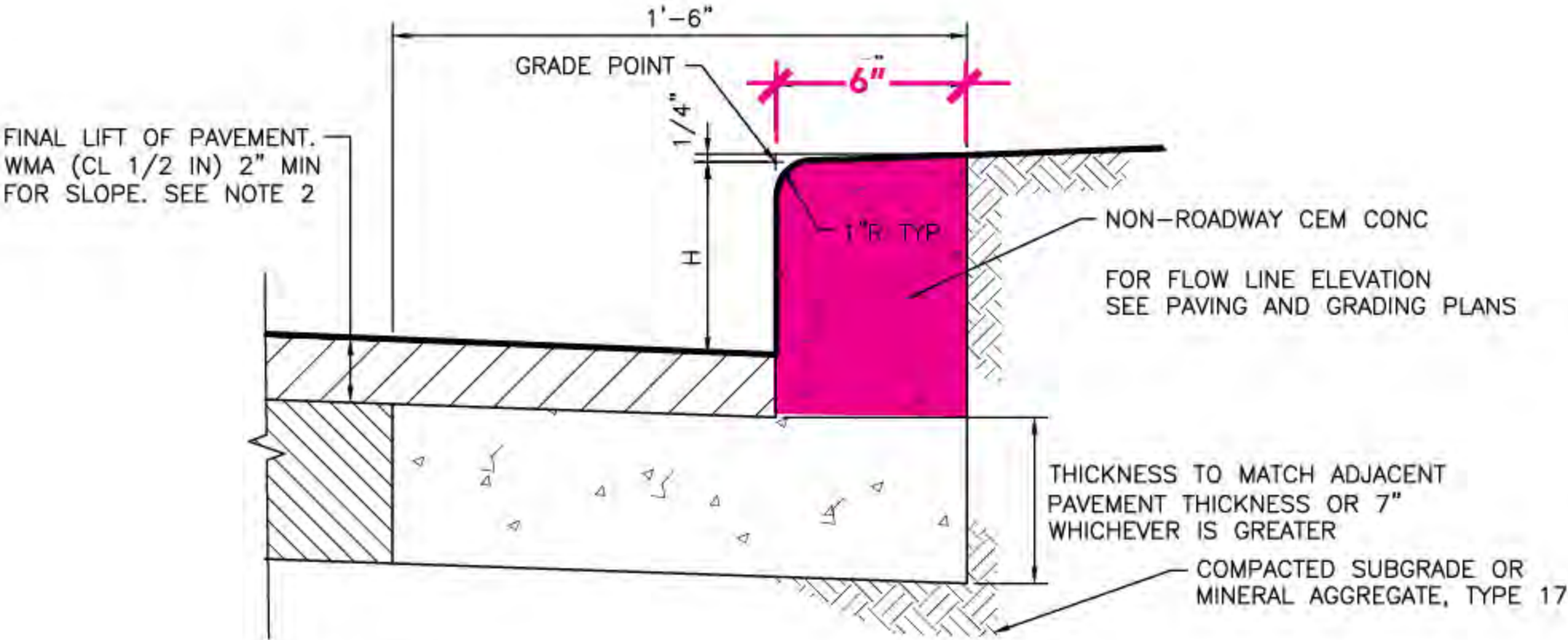
TRANSITION 12" CURB  
INTO 6" CURB

- LEGEND**
- 12" CURB
  - 6" CURB

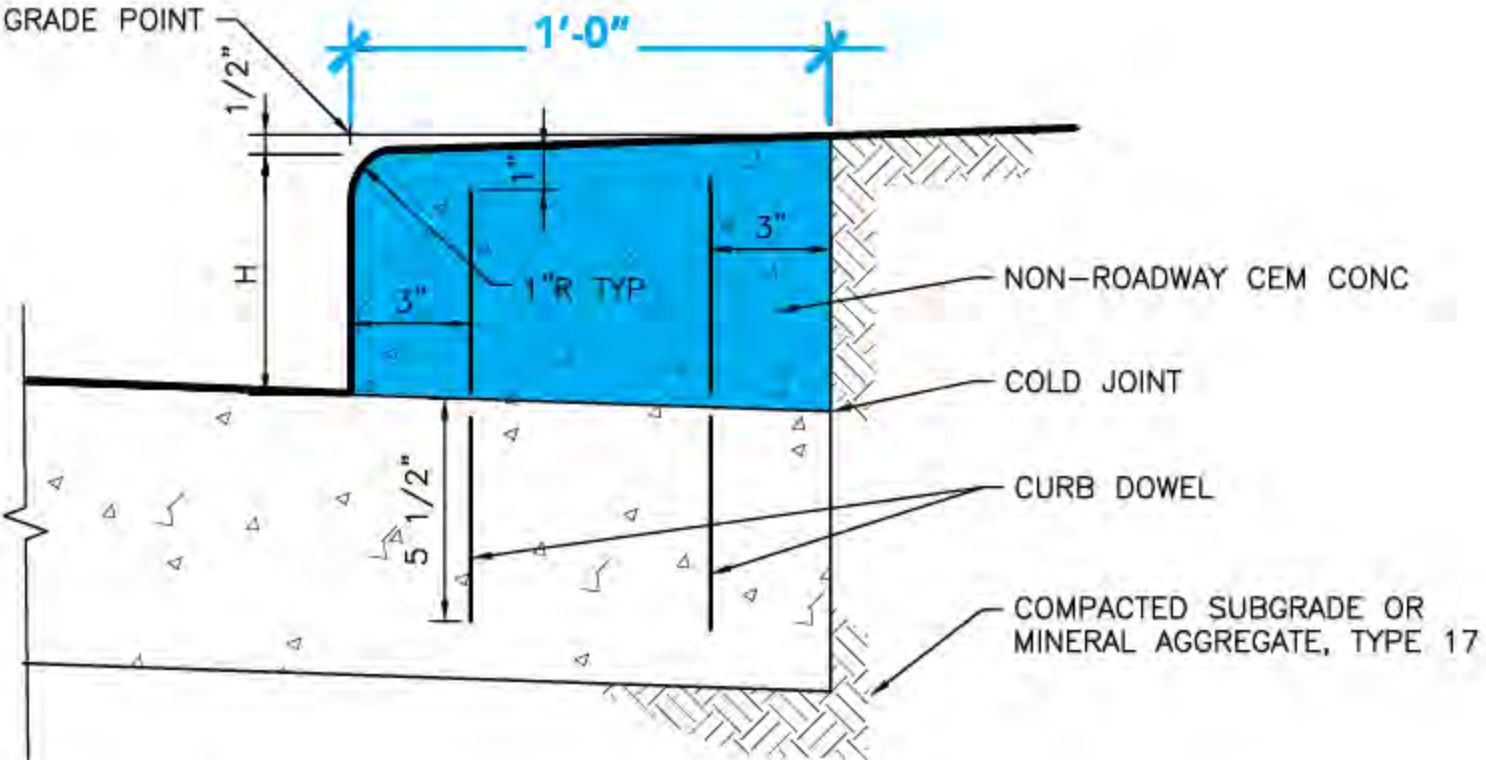
TRANSITION 12" CURB  
INTO 6" CURB



# PAVING CURBS



6" CURB

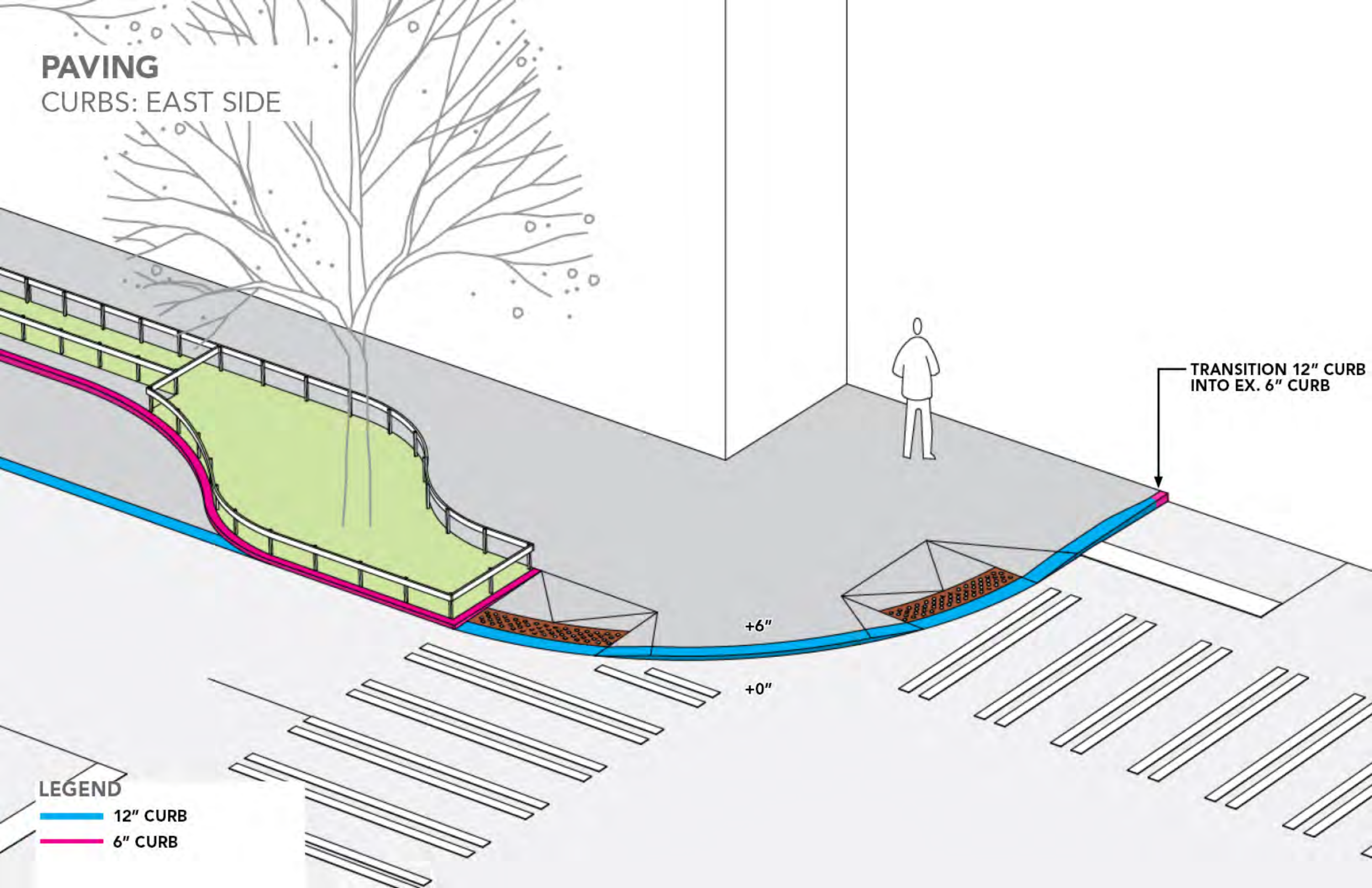


12" CURB

- LEGEND**
- 12" CURB
  - 6" CURB



**PAVING**  
CURBS: EAST SIDE



TRANSITION 12" CURB  
INTO EX. 6" CURB

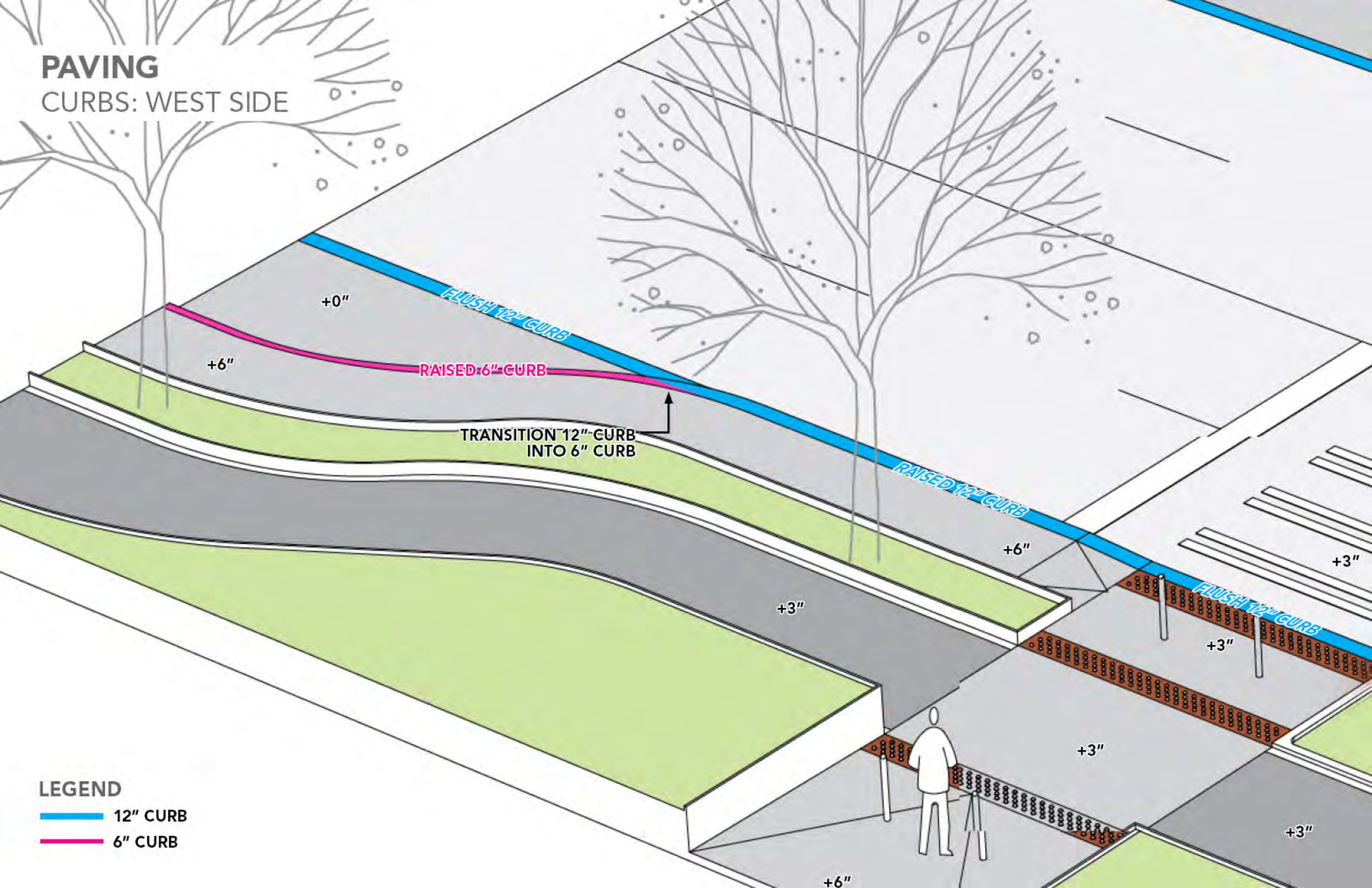
+6"

+0"

- LEGEND**
- 12" CURB
  - 6" CURB

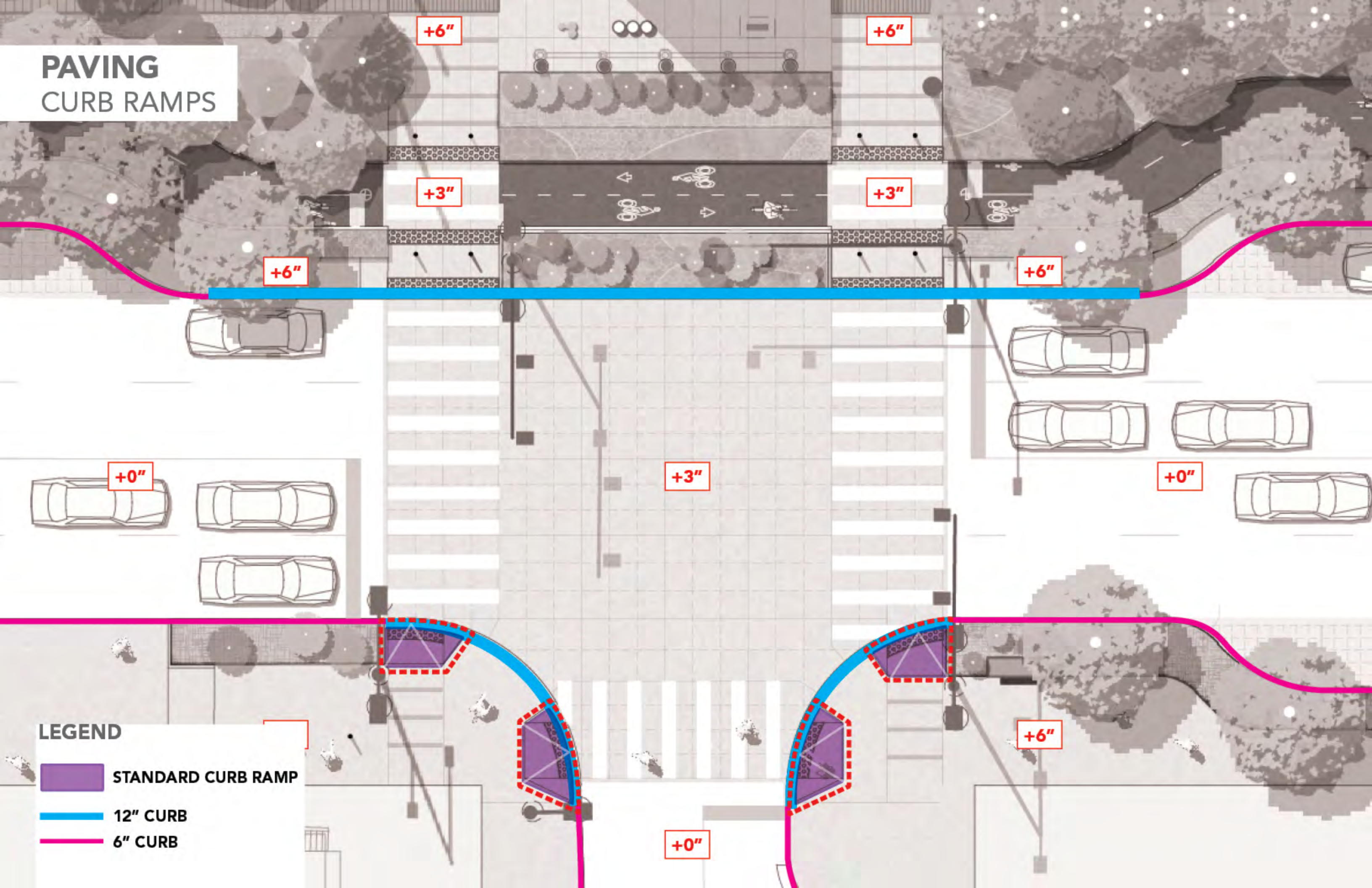


PAVING  
CURBS: WEST SIDE





# PAVING CURB RAMPS



LEGEND

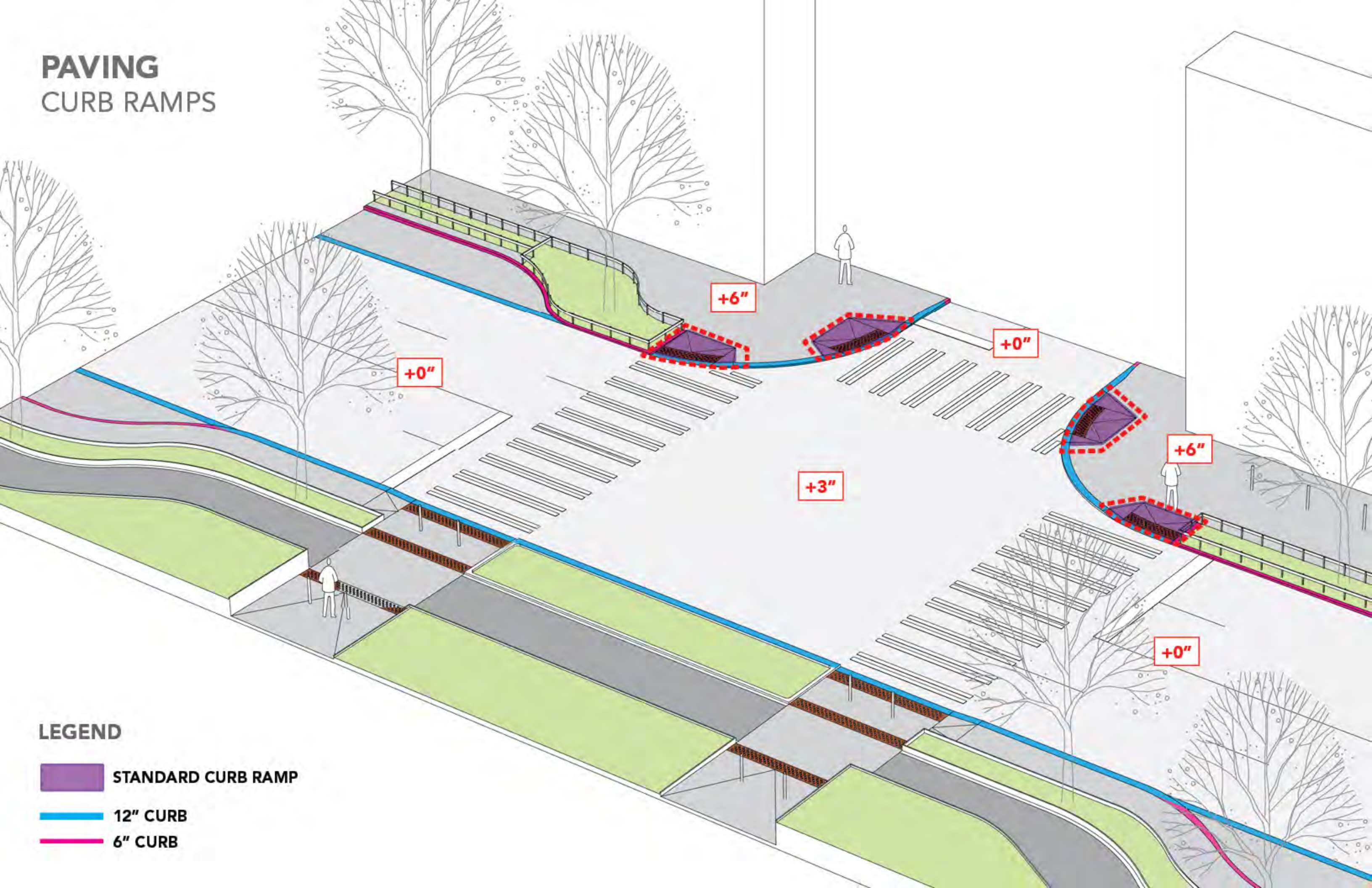
STANDARD CURB RAMP

12" CURB




6" CURB



# PAVING CURB RAMPS



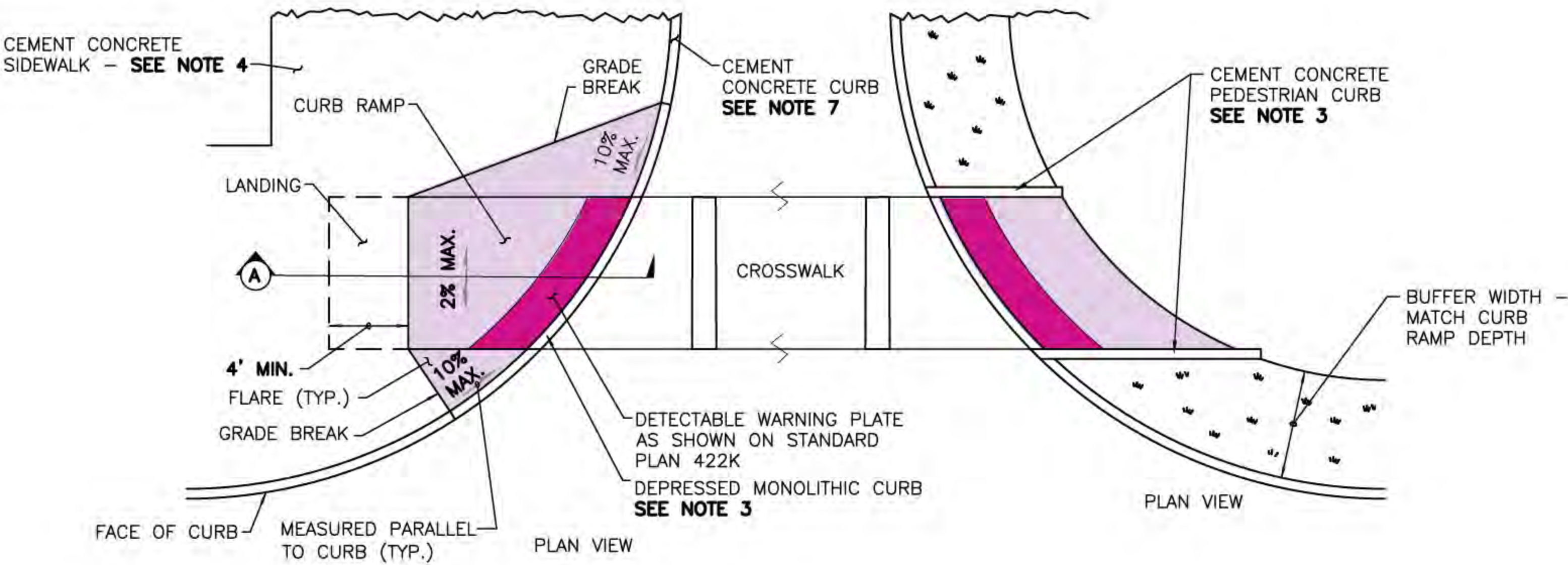
## LEGEND

-  STANDARD CURB RAMP
-  12" CURB
-  6" CURB



# PAVING

## INTERSECTIONS: DETECTABLE WARNING STRIP





# PAVING

## INTERSECTIONS: DETECTABLE WARNING STRIP





# PAVING

## INTERSECTIONS: DETECTABLE WARNING STRIP





# PAVING ROADWAY

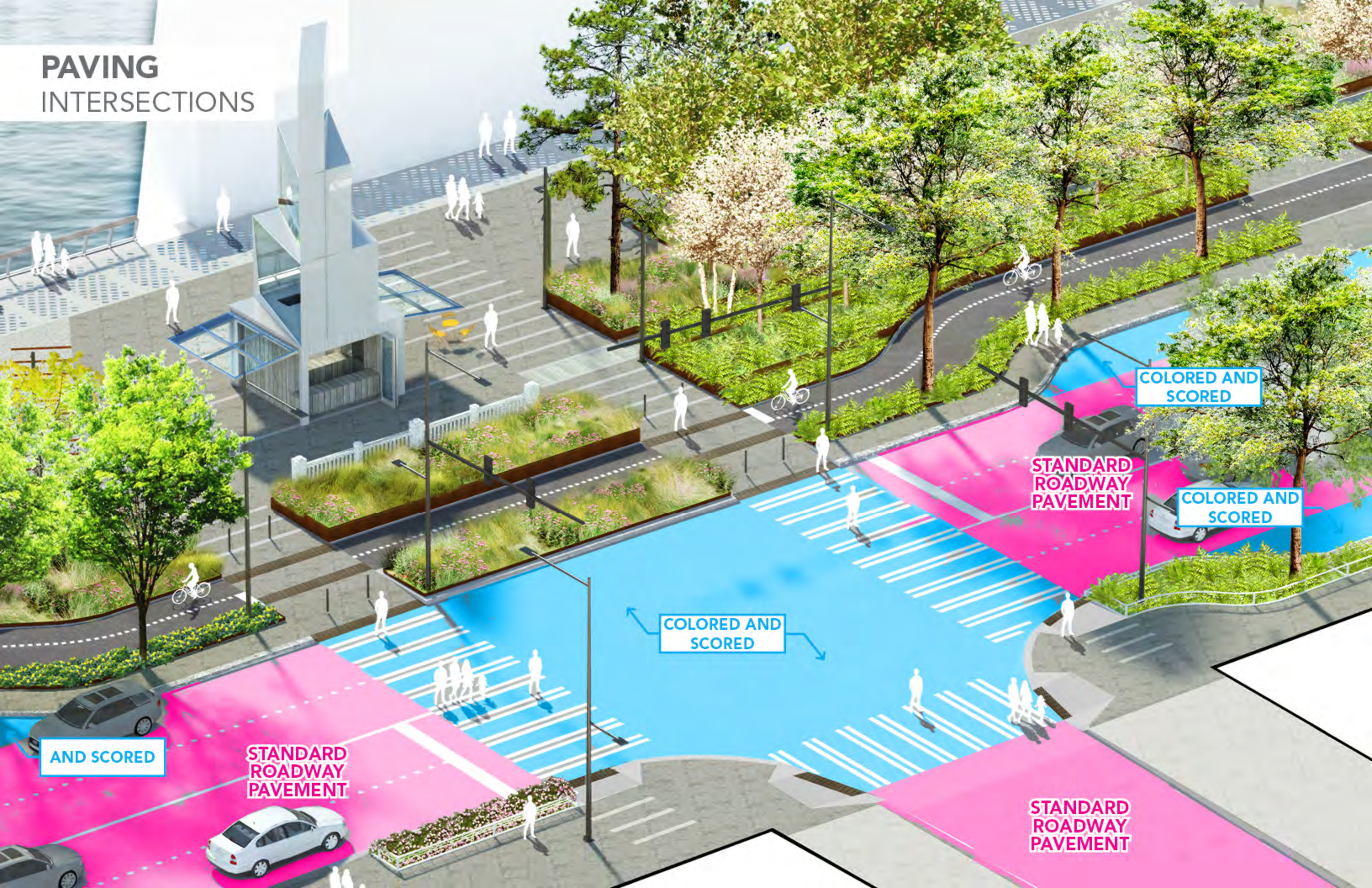


## LEGEND

-  COLORED + SCORED
-  STANDARD ROADWAY PAVEMENT



PAVING  
INTERSECTIONS



COLORED AND  
SCORED

STANDARD  
ROADWAY  
PAVEMENT

COLORED AND  
SCORED

COLORED AND  
SCORED

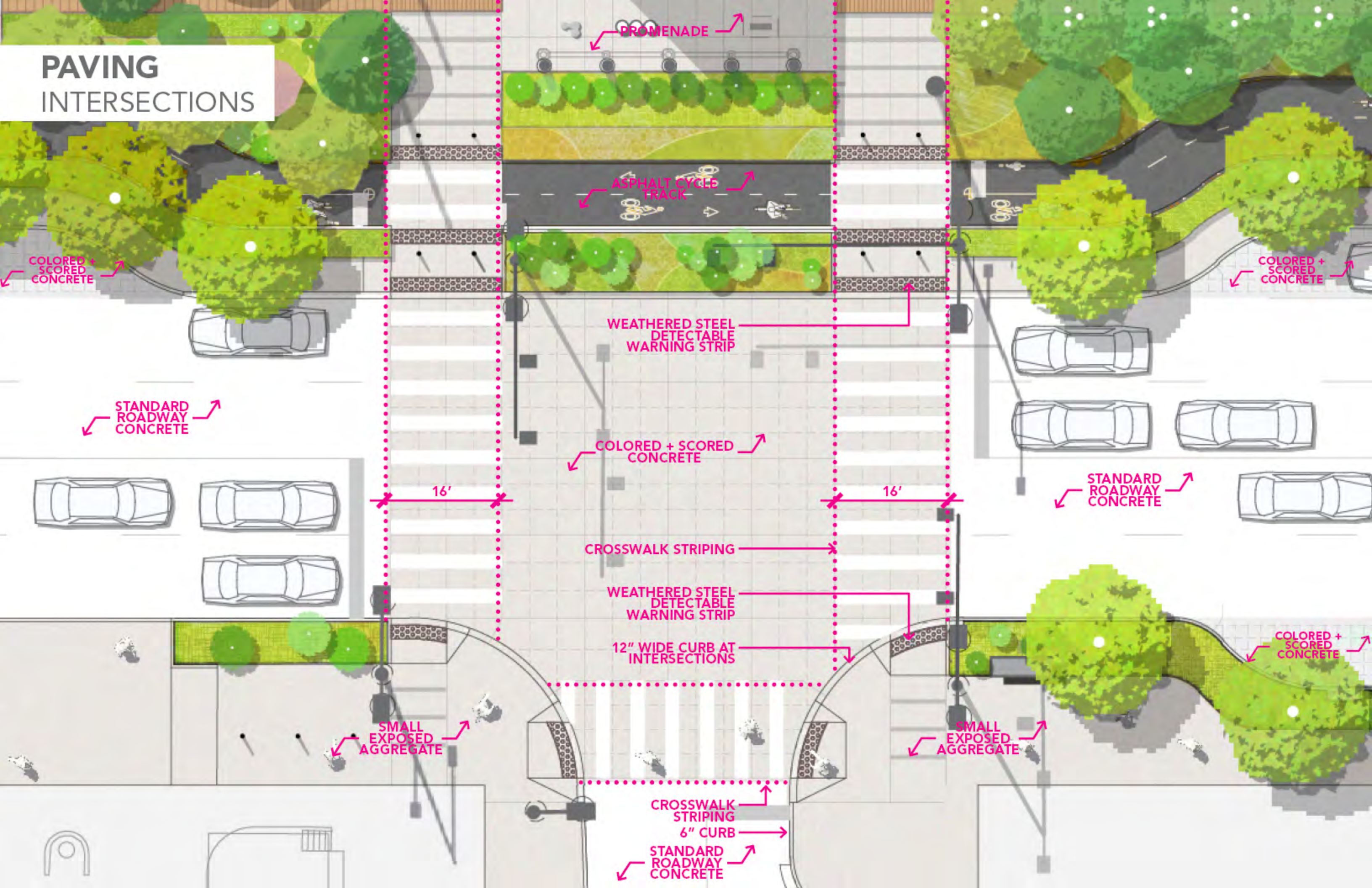
AND SCORED

STANDARD  
ROADWAY  
PAVEMENT

STANDARD  
ROADWAY  
PAVEMENT



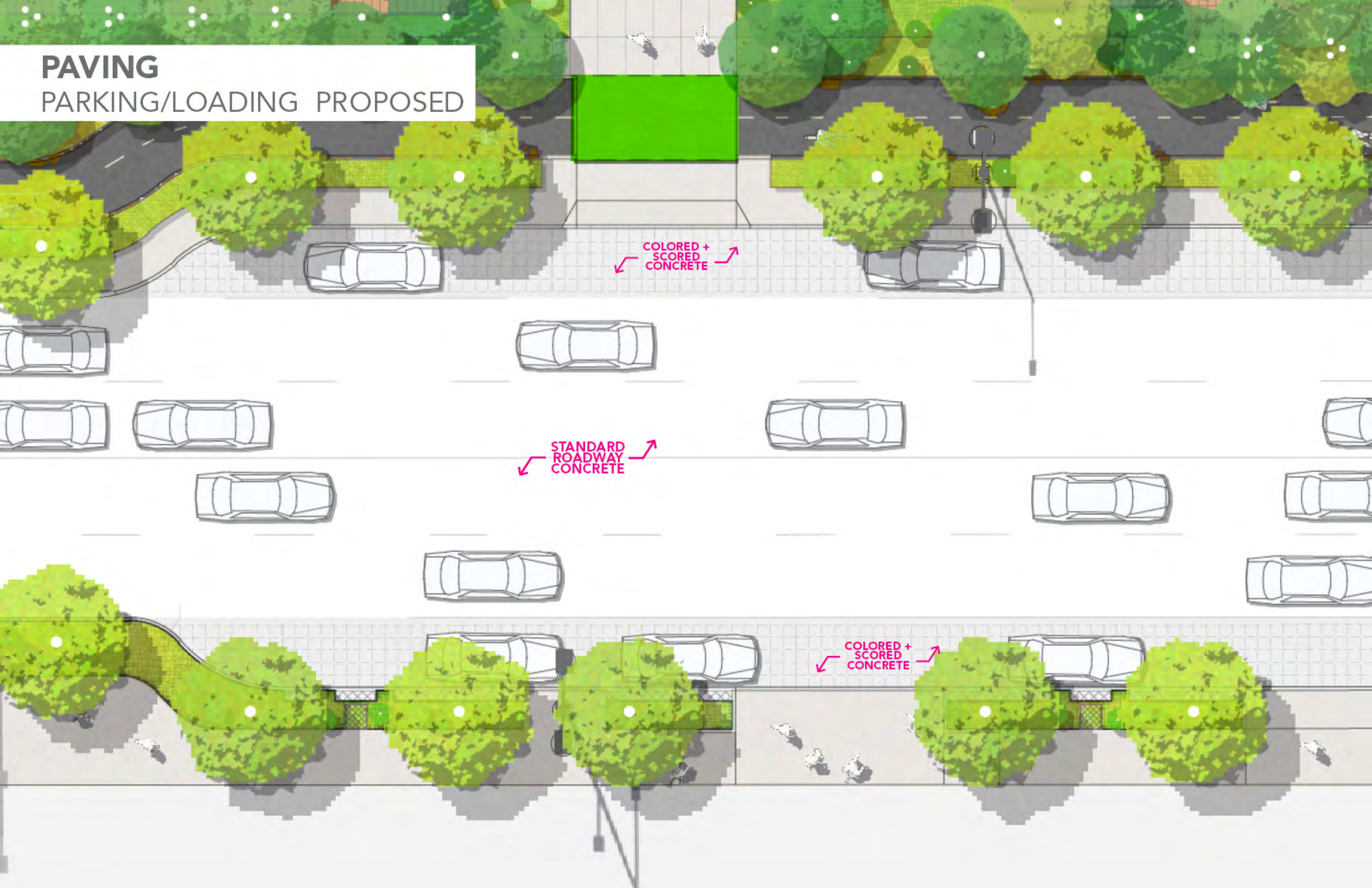
# PAVING INTERSECTIONS





# PAVING

PARKING/LOADING PROPOSED





**PAVING**  
PARKING/LOADING: MERCER





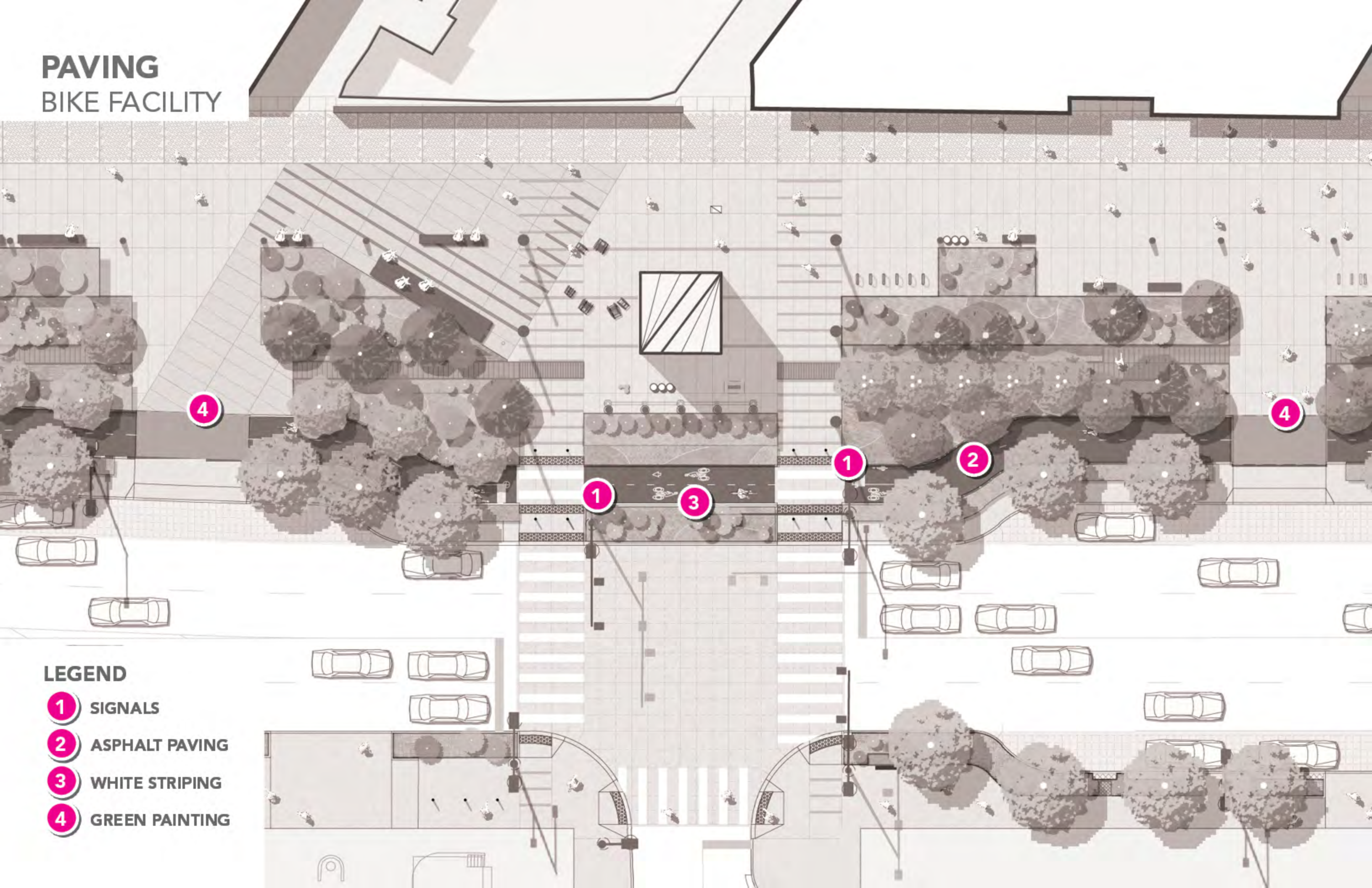
**PAVING**  
BIKE FACILITY



- LEGEND**
- █ WATERFRONT BIKE FACILITY
  - █ OTHER BIKE ROUTES



# PAVING BIKE FACILITY



## LEGEND

- 1** SIGNALS
- 2** ASPHALT PAVING
- 3** WHITE STRIPING
- 4** GREEN PAINTING



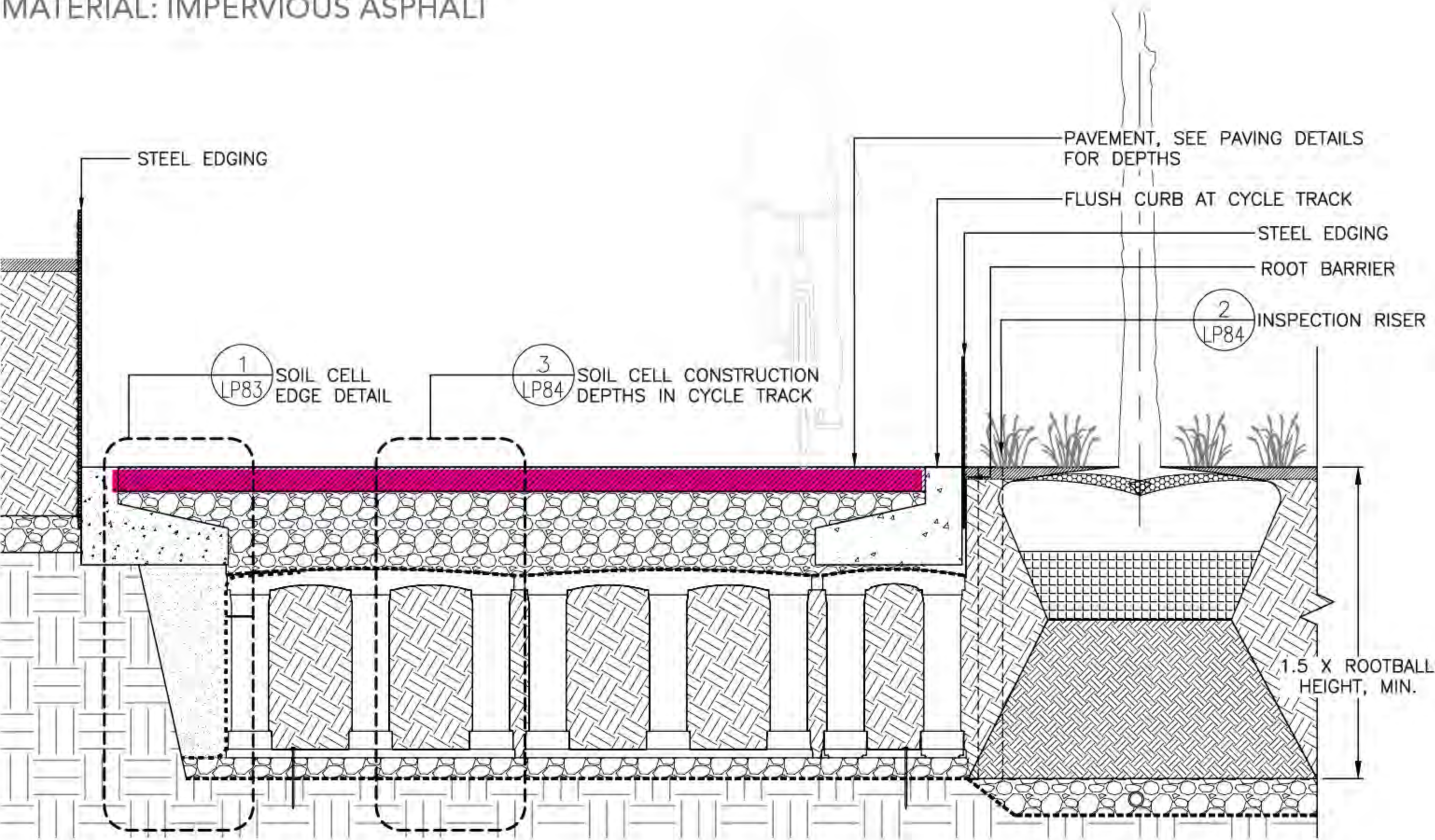
**PAVING**

MATERIAL: IMPERVIOUS ASPHALT



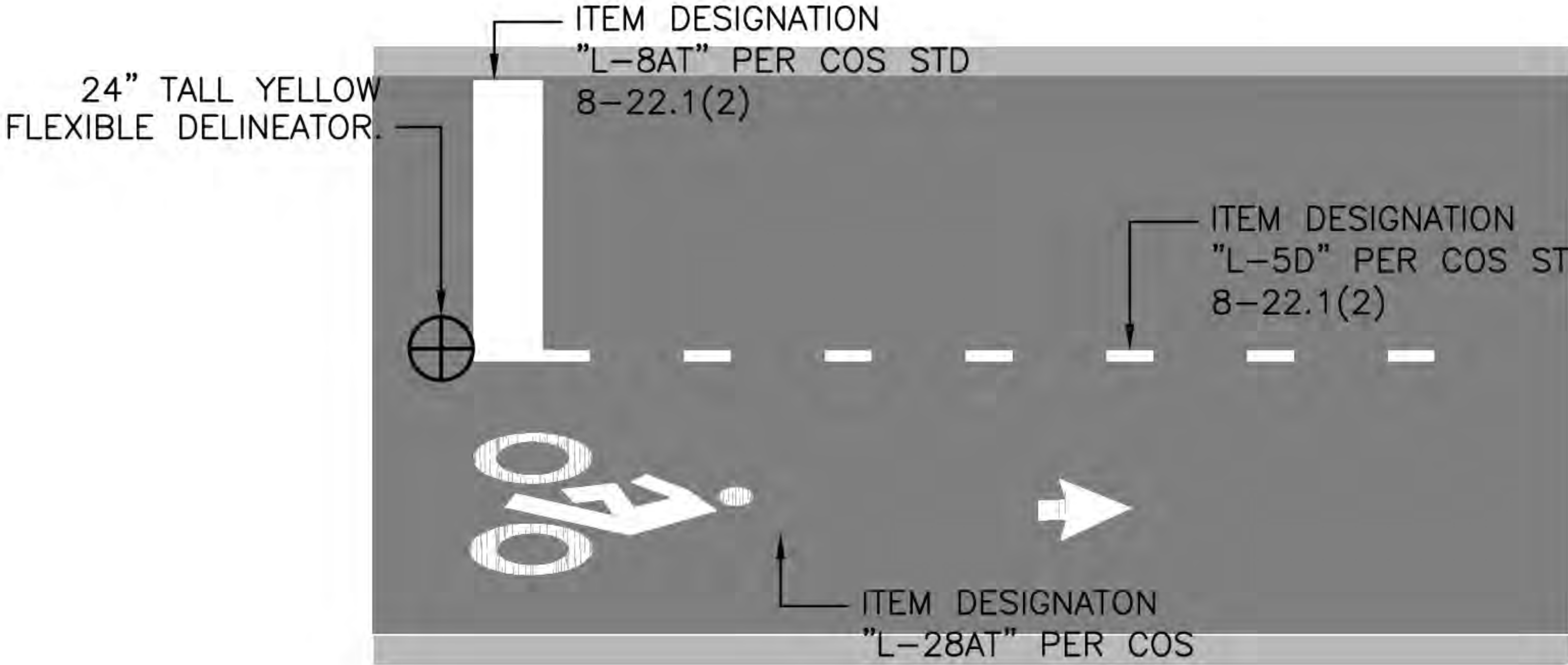


**PAVING**  
MATERIAL: IMPERVIOUS ASPHALT





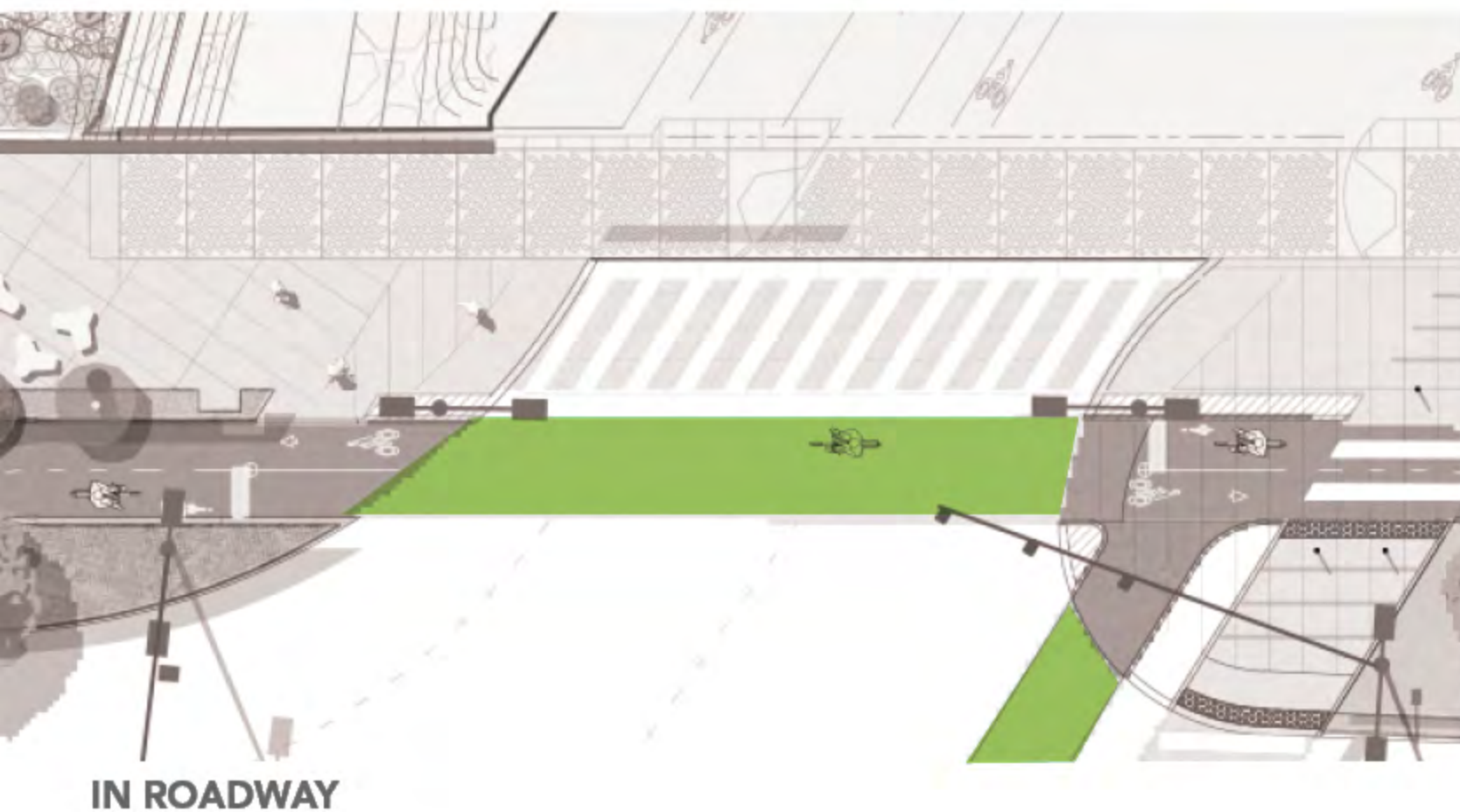
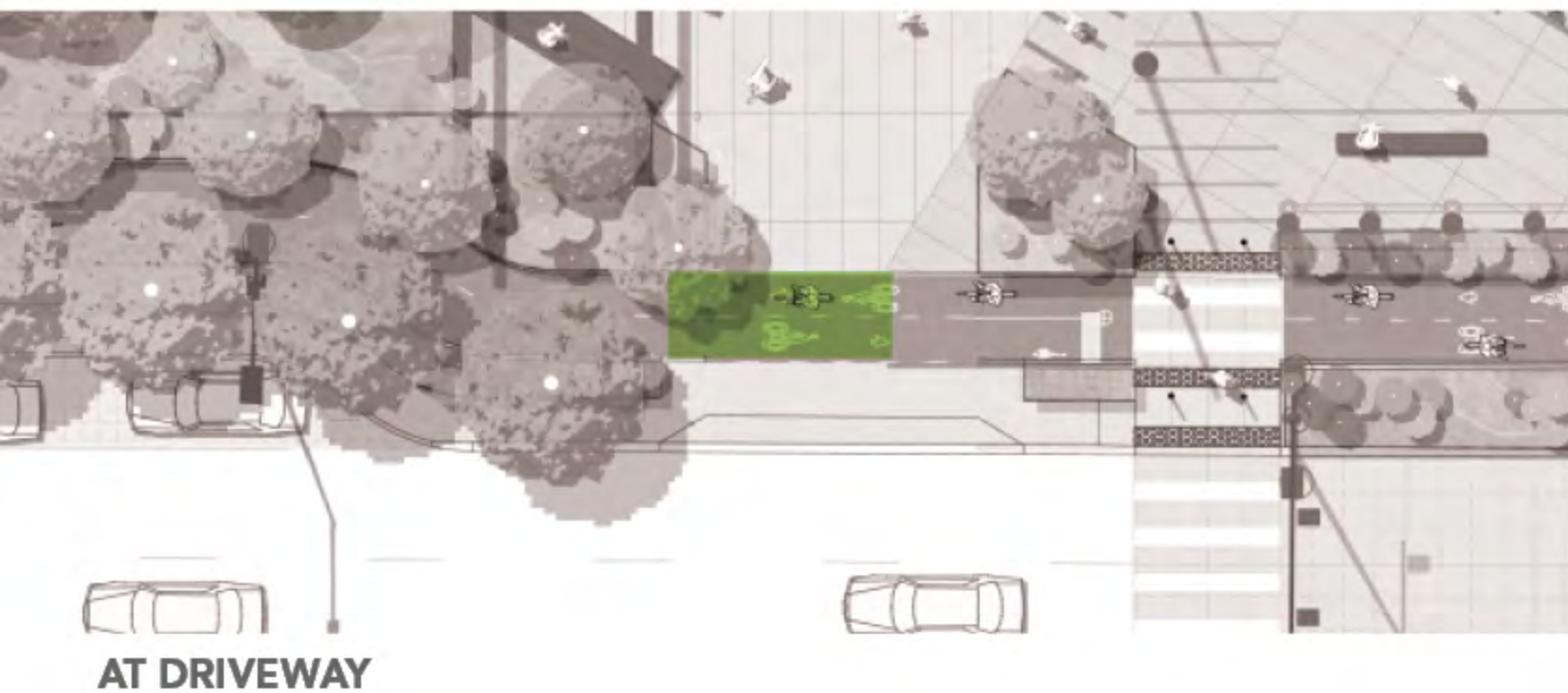
**PAVING**  
BIKE FACILITY STRIPING





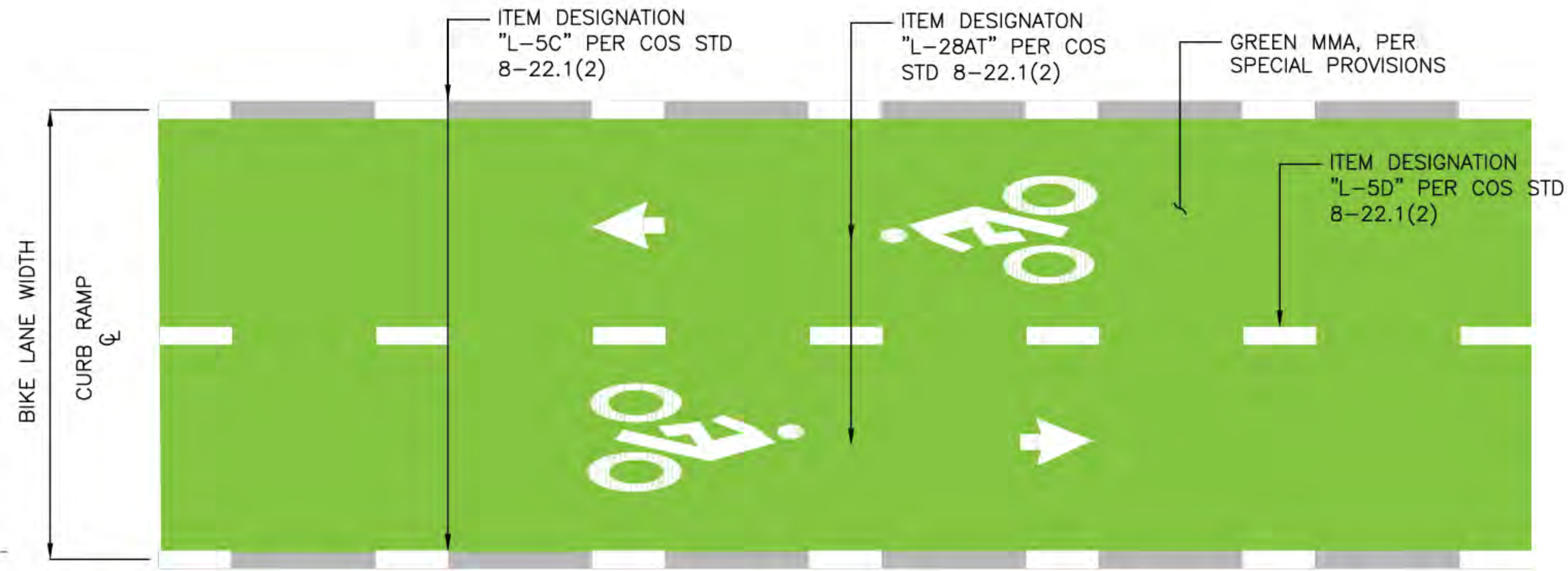
# PAVING

## BIKE FACILITY PAINTING





PAVING  
BIKE FACILITY PAINTING

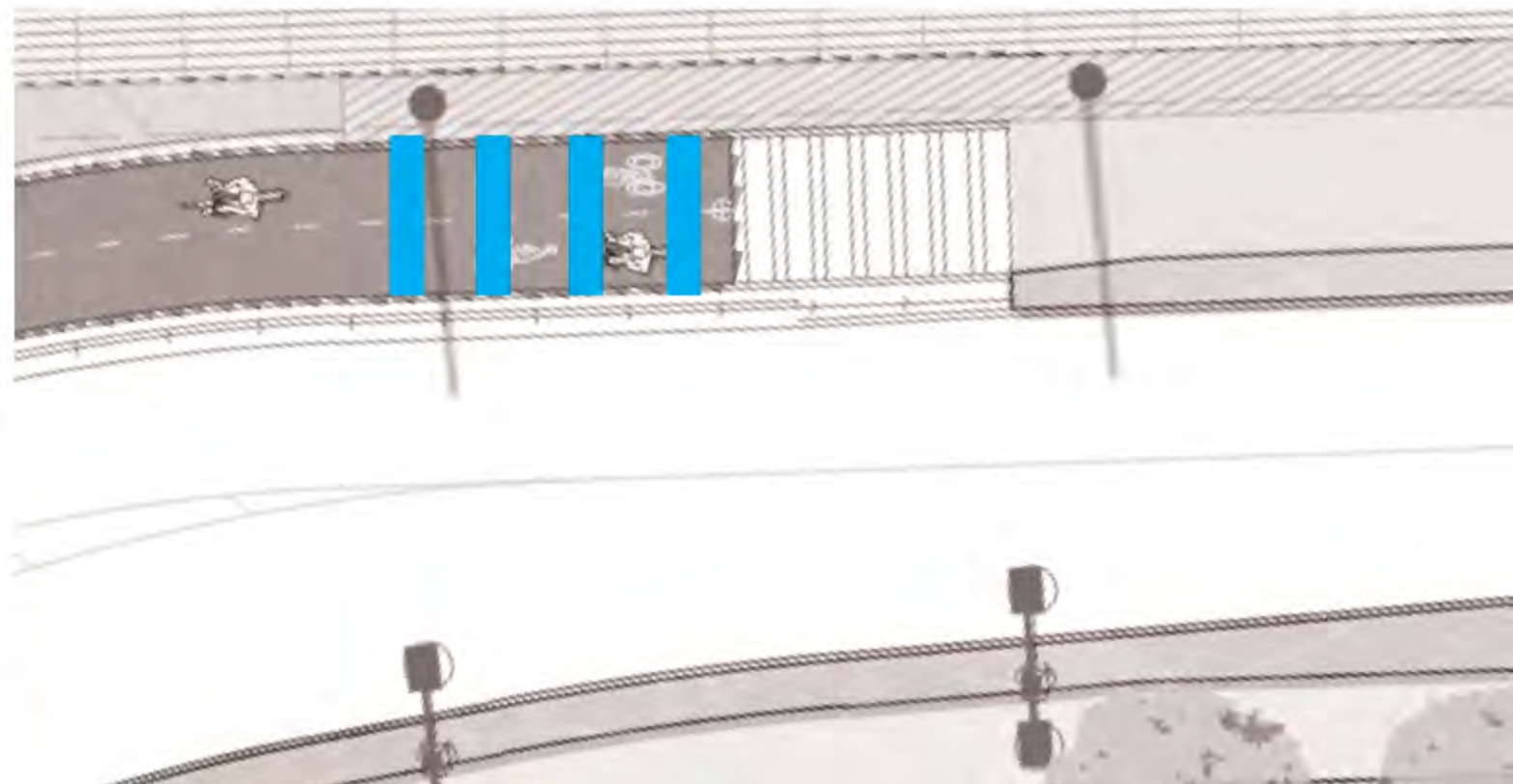
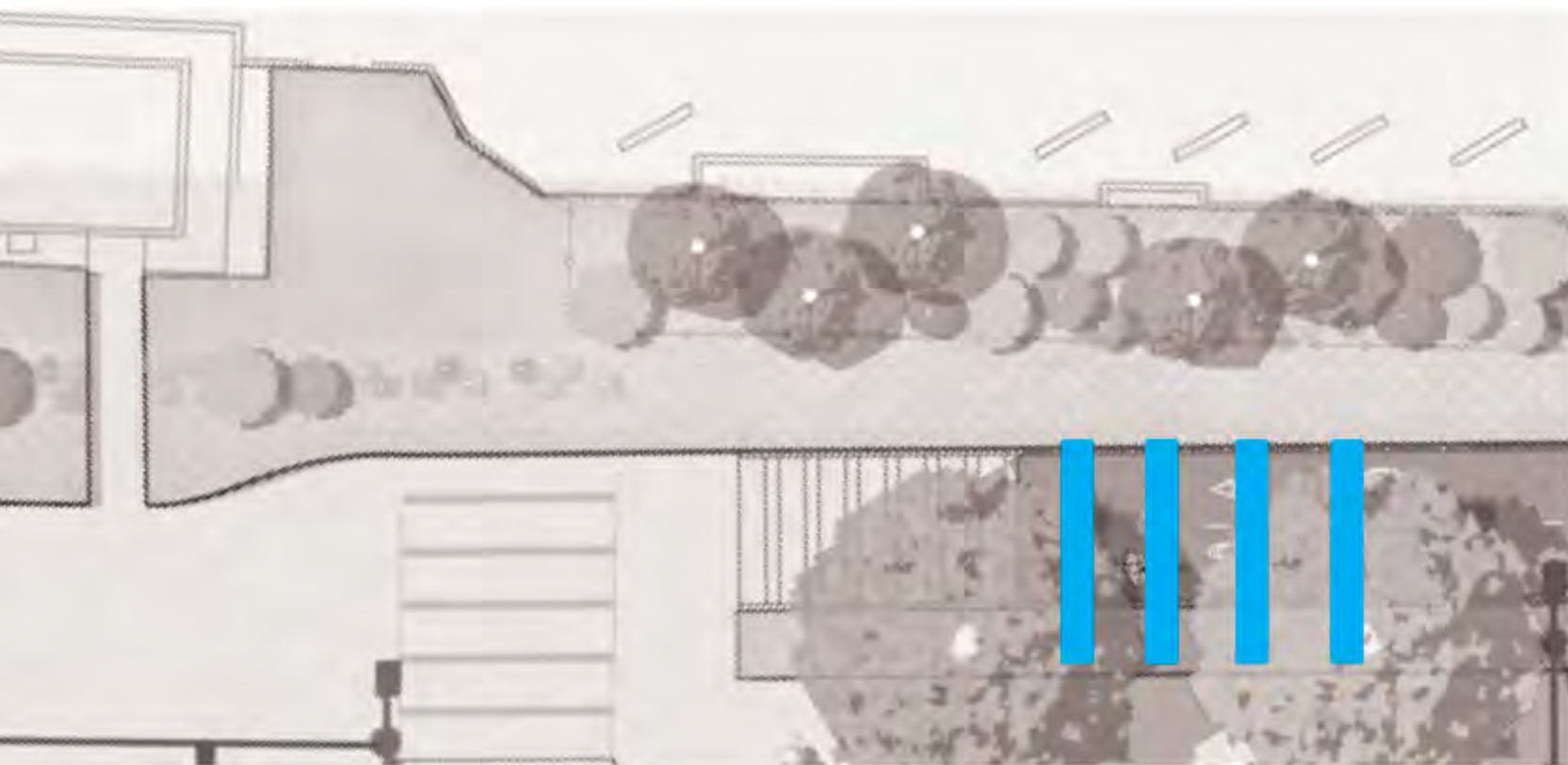
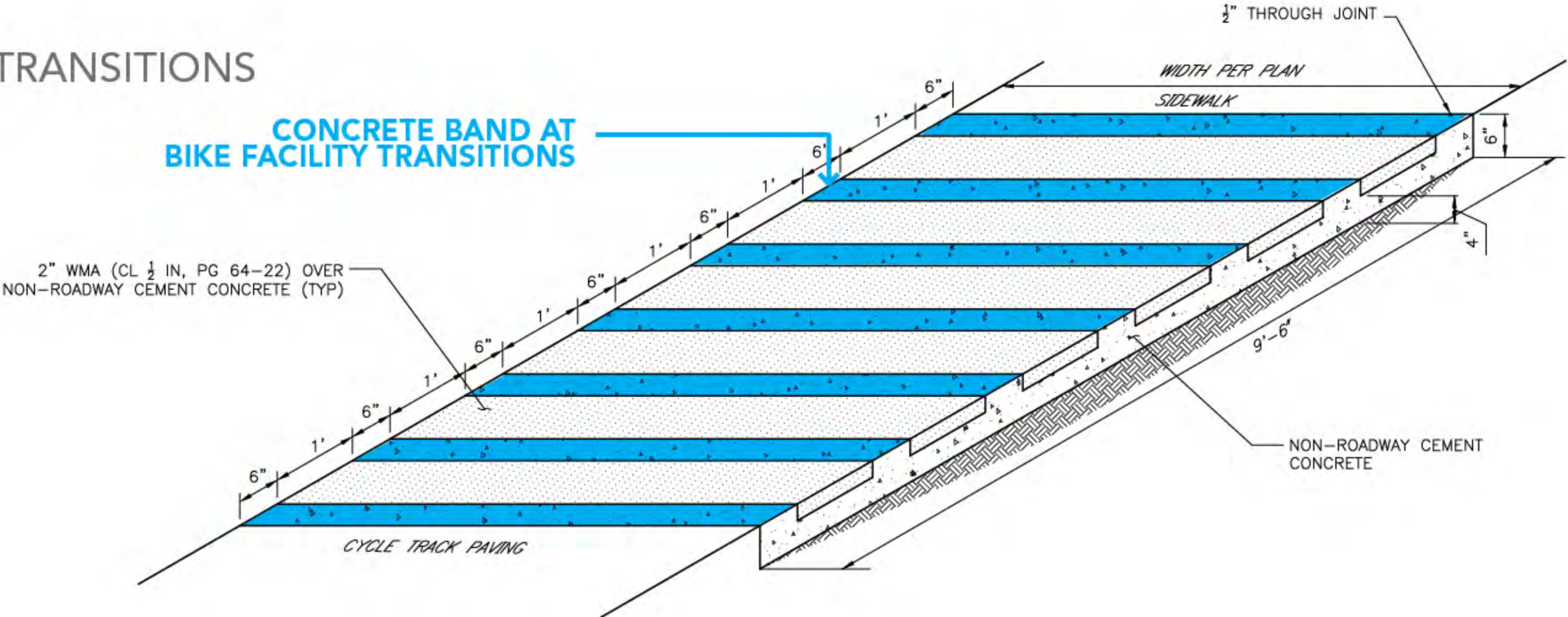


BIKE FACILITY GREEN COLOR AT VEHICULAR CROSSINGS



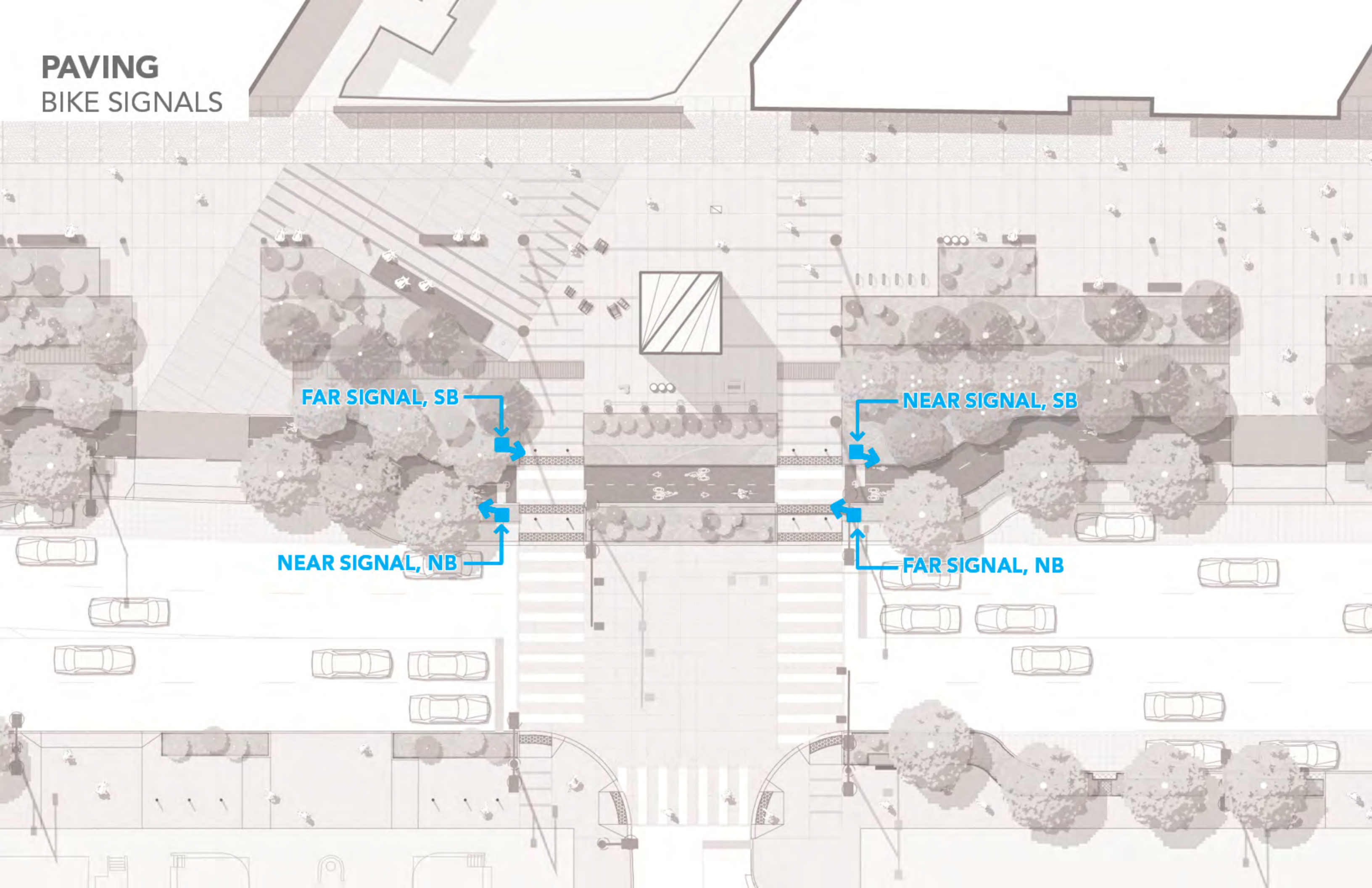
# PAVING

## BIKE FACILITY TRANSITIONS





**PAVING  
BIKE SIGNALS**



FAR SIGNAL, SB

NEAR SIGNAL, SB

NEAR SIGNAL, NB

FAR SIGNAL, NB



# PAVING BIKE FACILITY





# PAVING

## WEST SIDE + PROMENADE



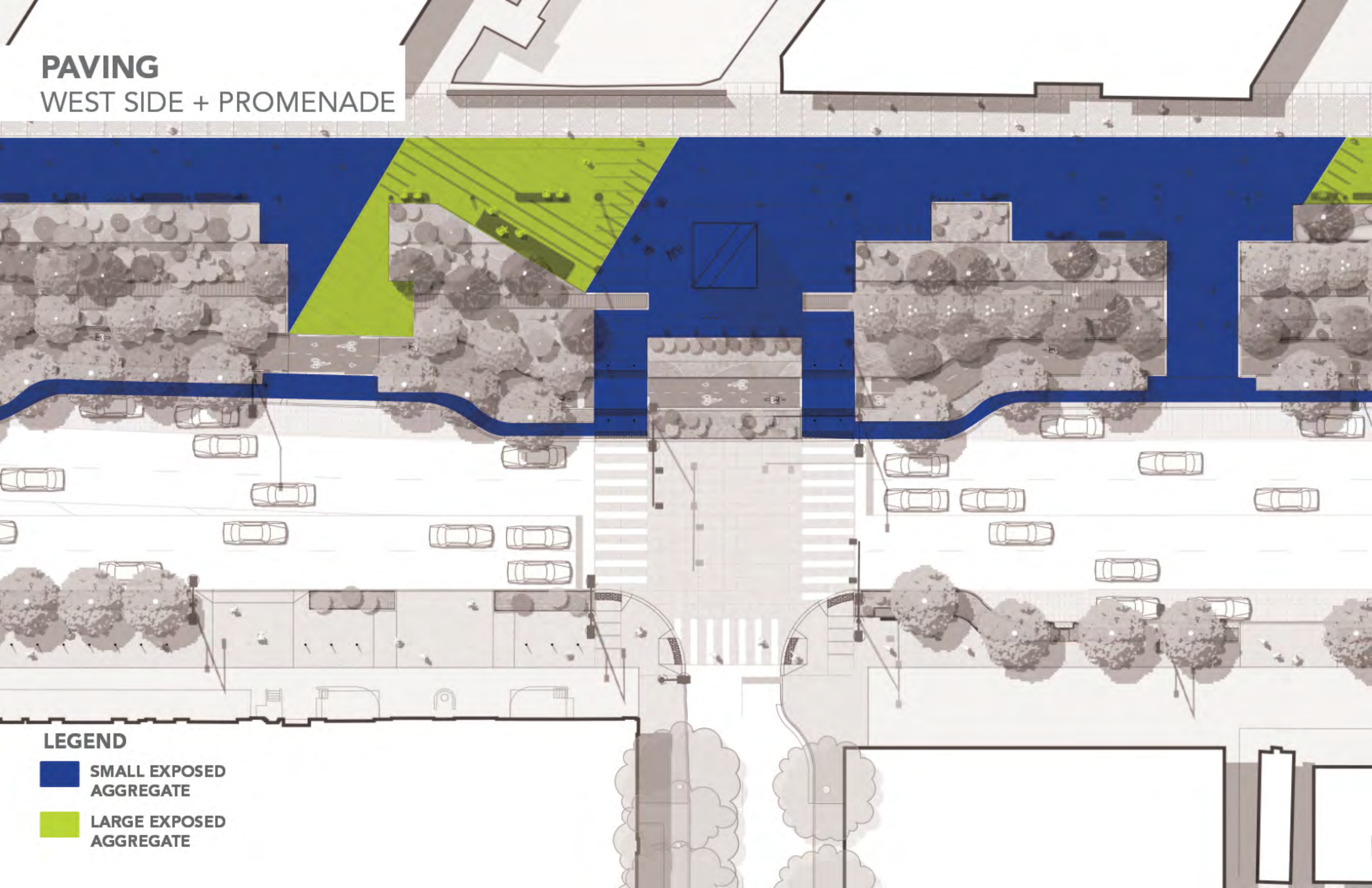
### LEGEND

- SMALL EXPOSED AGGREGATE
- LARGE EXPOSED AGGREGATE



# PAVING

## WEST SIDE + PROMENADE



### LEGEND

- SMALL EXPOSED AGGREGATE
- LARGE EXPOSED AGGREGATE



## PAVING

### EXPOSED AGGREGATE CONCRETE

## LARGE AGGREGATE

7/8" - 1 1/2" WASHED DRAIN ROCK  
(BUILDERS SAND & GRAVEL)

### CEMENT MIX

TYPE II + V

DARKER COLORING (SIM. TO LAMP BLACK)

## SMALL AGGREGATE

1/4" - 3/8" WASHED PEA GRAVEL  
(BUILDERS SAND & GRAVEL)

### CEMENT MIX

TYPE II + V

DARKER COLORING (SIM. TO LAMP BLACK)



# PAVING

## SMALL + LARGE AGGREGATE SAMPLES

WASHINGTON ROCK QUARRIES, INC.  
WASHED AGGREGATE



Concrete Aggregate 4 (401-3, 467-3)  
Size: 2"



Pea Gravel (800-3, 801-3)  
Size: 3/8", 1/2"



# PAVING INLAY DETAIL

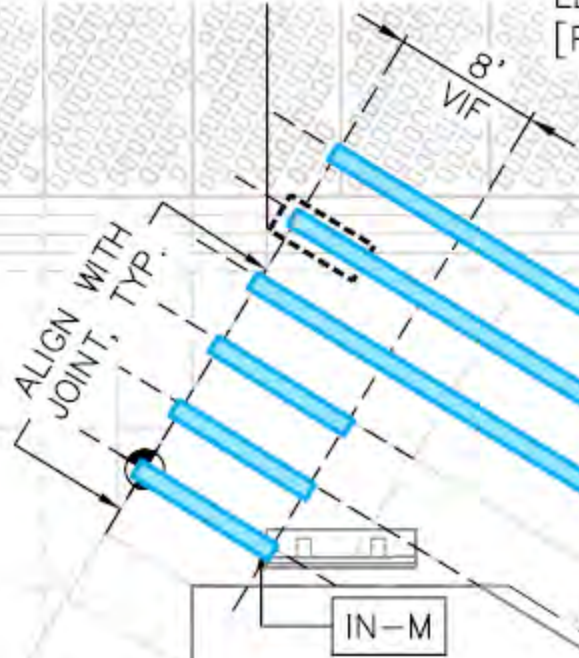
DIMENSIONAL  
LETTERING,  
LEFT JUSTIFY,  
[PIER 56]

DIMENSIONAL  
LETTERING,  
RIGHT JUSTIFY,  
[PIER 57]

DIMENSIONAL  
LETTERING,  
RIGHT JUSTIFY,  
[UNIVERSITY  
STREET]

DIMENSIONAL LETTERING,  
RIGHT JUSTIFY,  
[UNIVERSITY STREET]

ALIGN WITH JOINT, TYP



## LEGEND

 METAL INLAYS

 CONCRETE INLAYS

04  
PV31

05  
PV31

04  
PV31

05  
PV31

04  
PV31

DIMENSIONAL  
LETTERING,  
LEFT JUSTIFY,  
[HISTORIC PIERS]

DIMENSIONAL  
LETTERING,  
RIGHT JUSTIFY,  
[HISTORIC PIERS]

ALIGN WITH PLANTER  
EDGE AND JOINT,  
BOTH SIDES

ALIGN WITH PLANTER  
EDGE AND JOINT,  
BOTH SIDES

90°

EQ  
EQ 16'-11",  
VIF  
EQ  
EQ

EQ  
EQ 12',  
VIF  
EQ  
EQ 12',  
VIF  
EQ

4'-3"  
4'  
3'-9"  
EQ  
EQ 12',  
VIF  
EQ

EQ  
EQ 16'-11",  
VIF  
EQ  
EQ

EQ  
EQ 12',  
VIF  
EQ  
EQ 12',  
VIF  
EQ

3'-10"  
4'-8"  
3'-6"  
EQ  
EQ 12',  
VIF  
EQ



**PAVING**

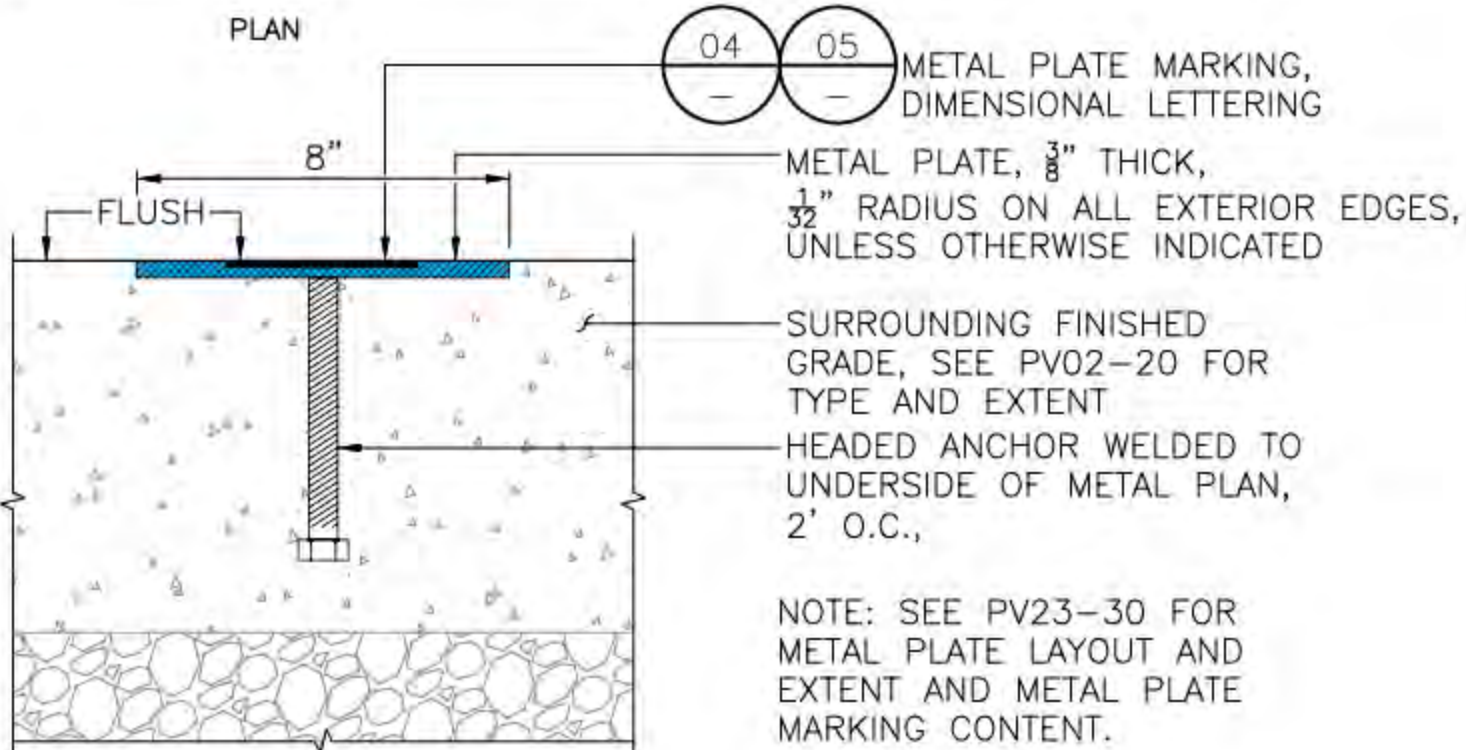
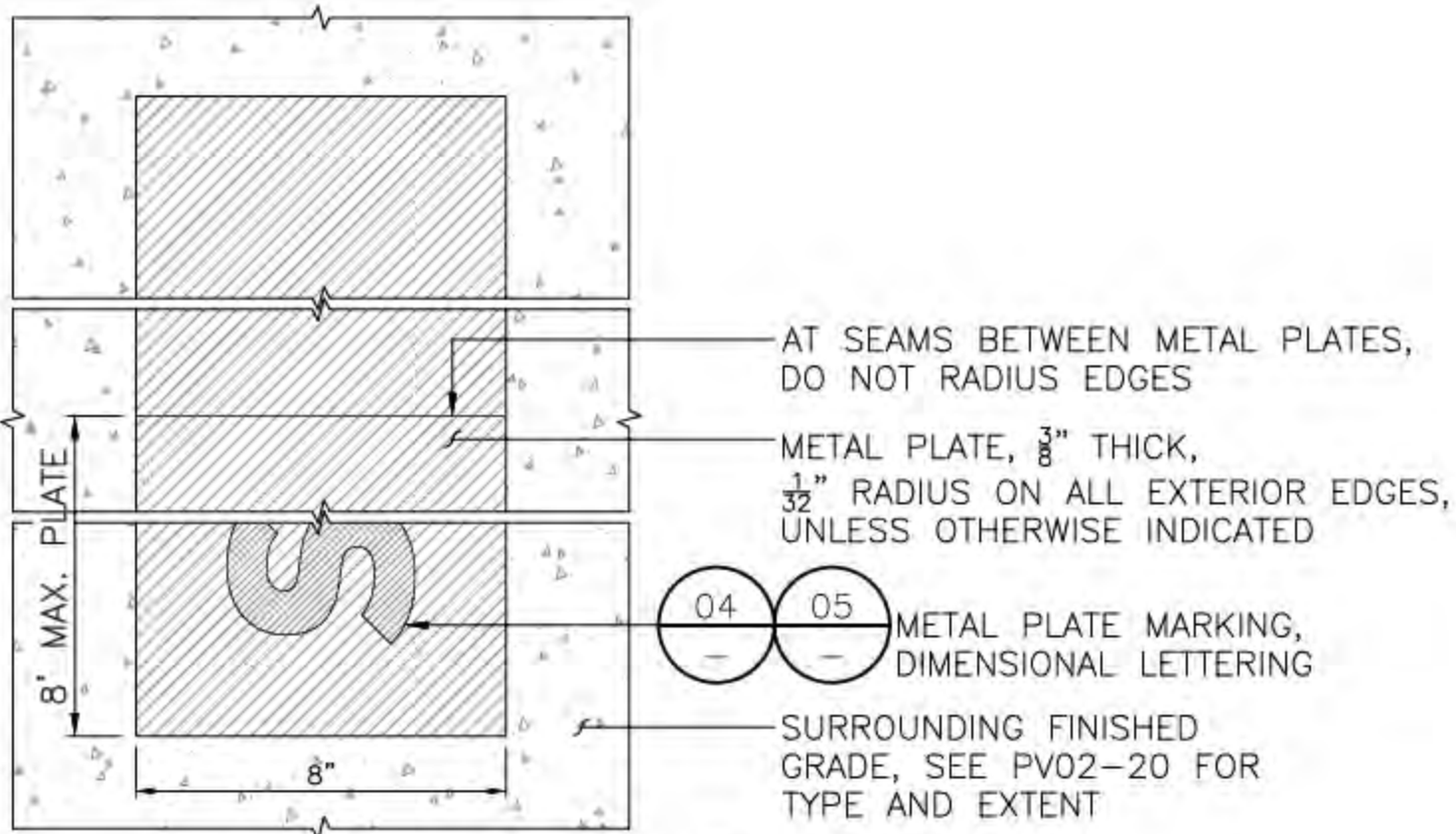
MOCK UP: LARGE AGGREGATE

UNION STREET

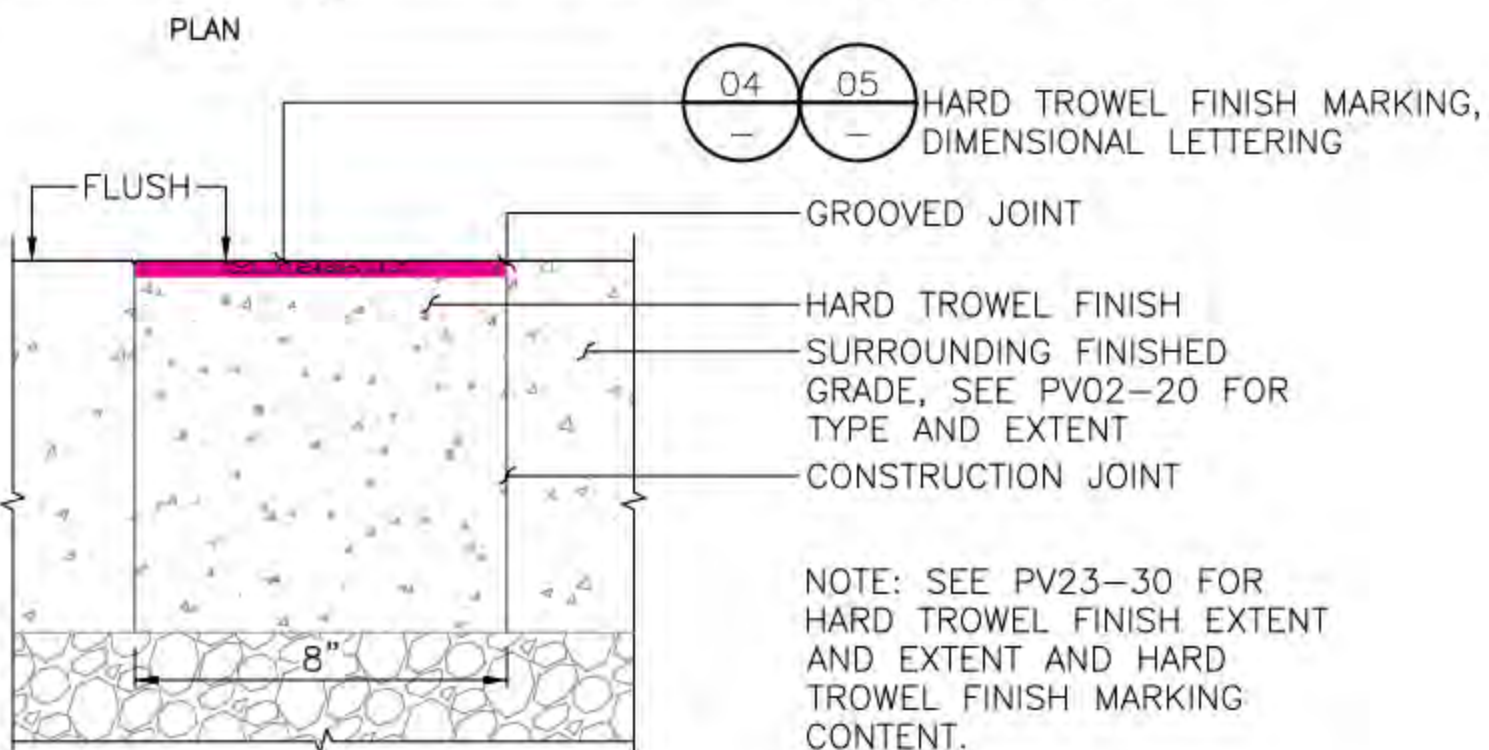
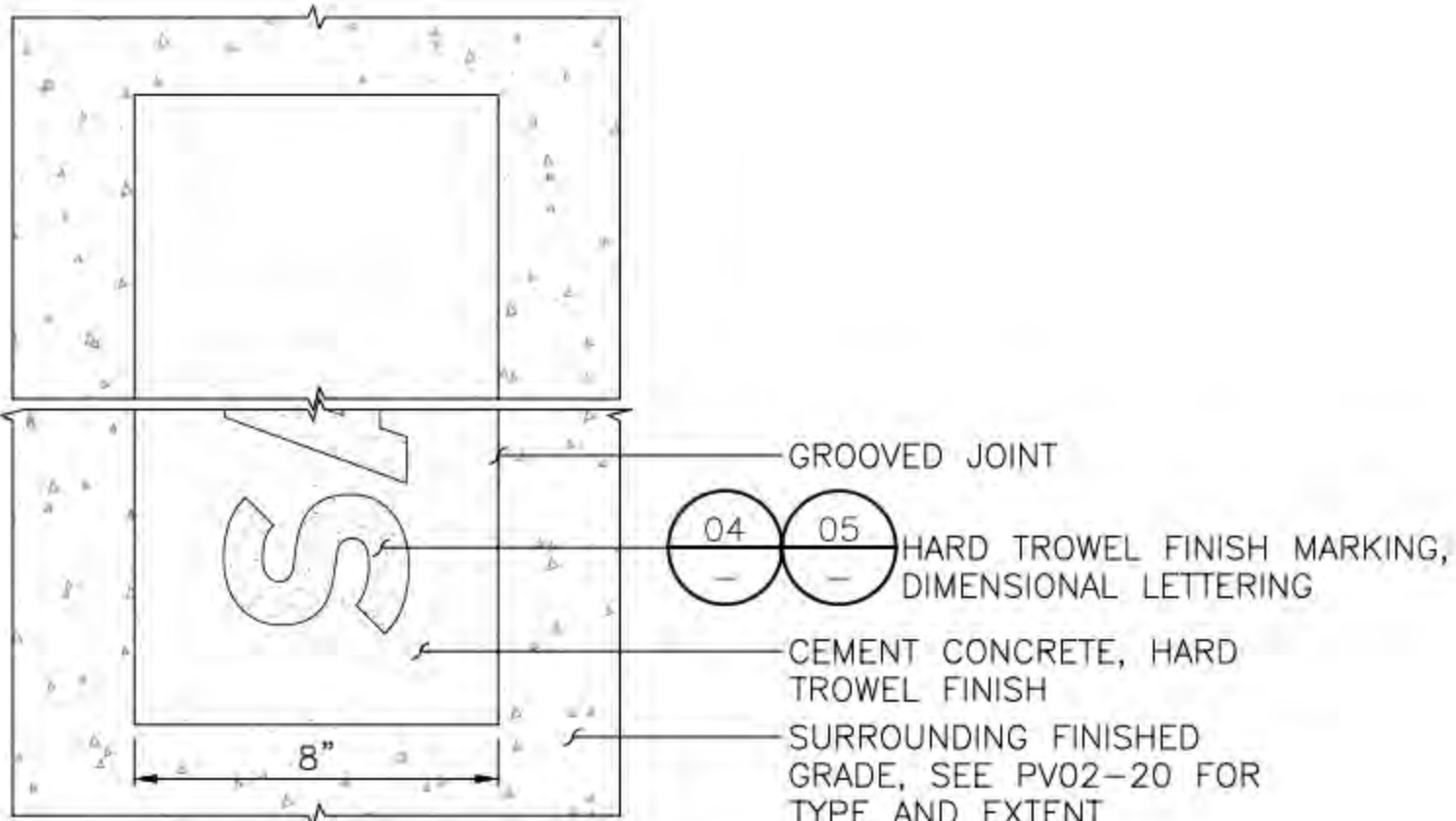
06/09/2016 13:09



# PAVING INLAY DETAIL



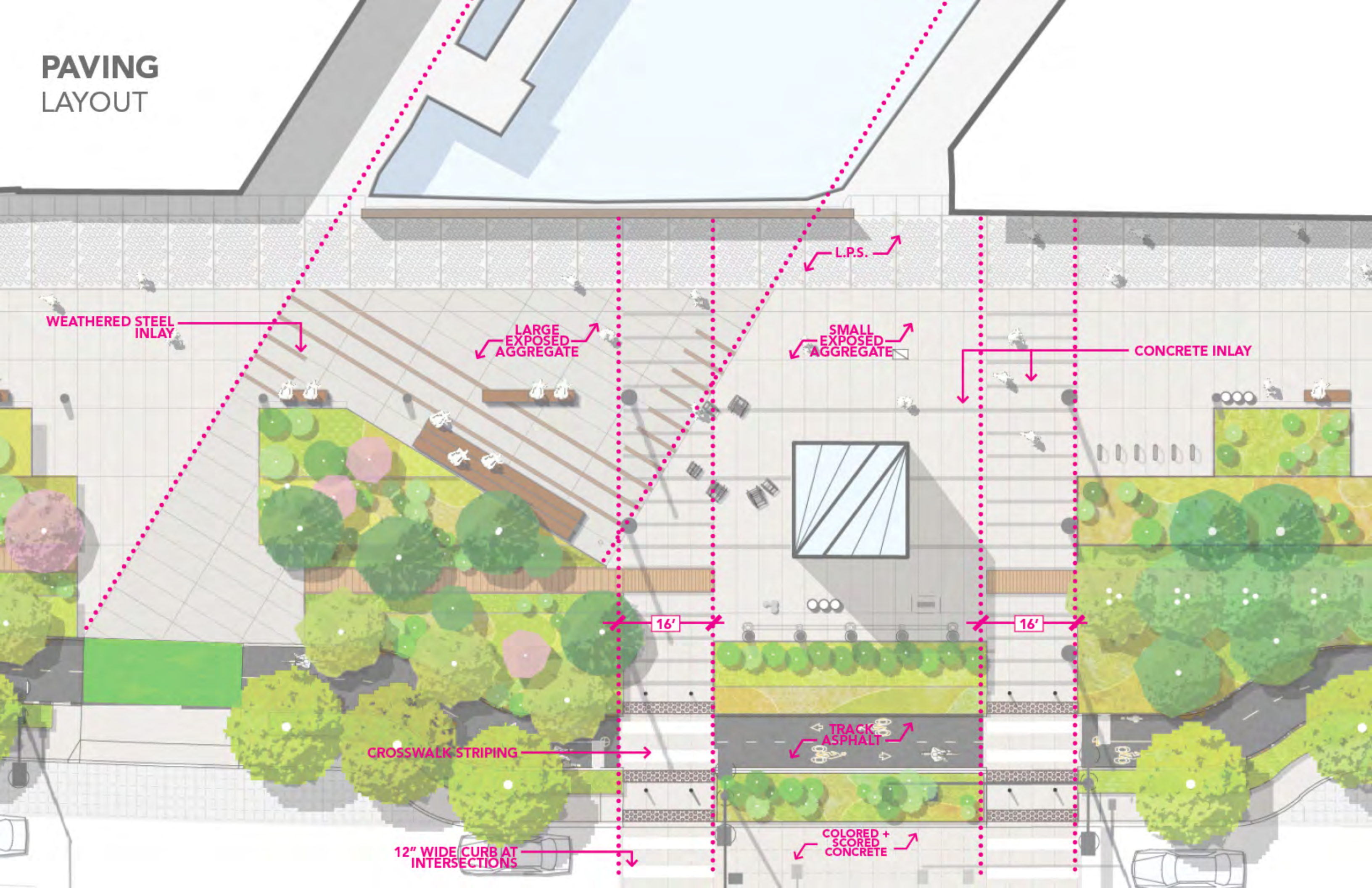
METAL INLAY



CONCRETE INLAY



PAVING  
LAYOUT



WEATHERED STEEL  
INLAY

LARGE  
EXPOSED  
AGGREGATE

SMALL  
EXPOSED  
AGGREGATE

CONCRETE INLAY

16'

16'

CROSSWALK STRIPING

12" WIDE CURB AT  
INTERSECTIONS

TRACK  
ASPHALT

COLOR +  
SCORED  
CONCRETE



# PAVING VIEW



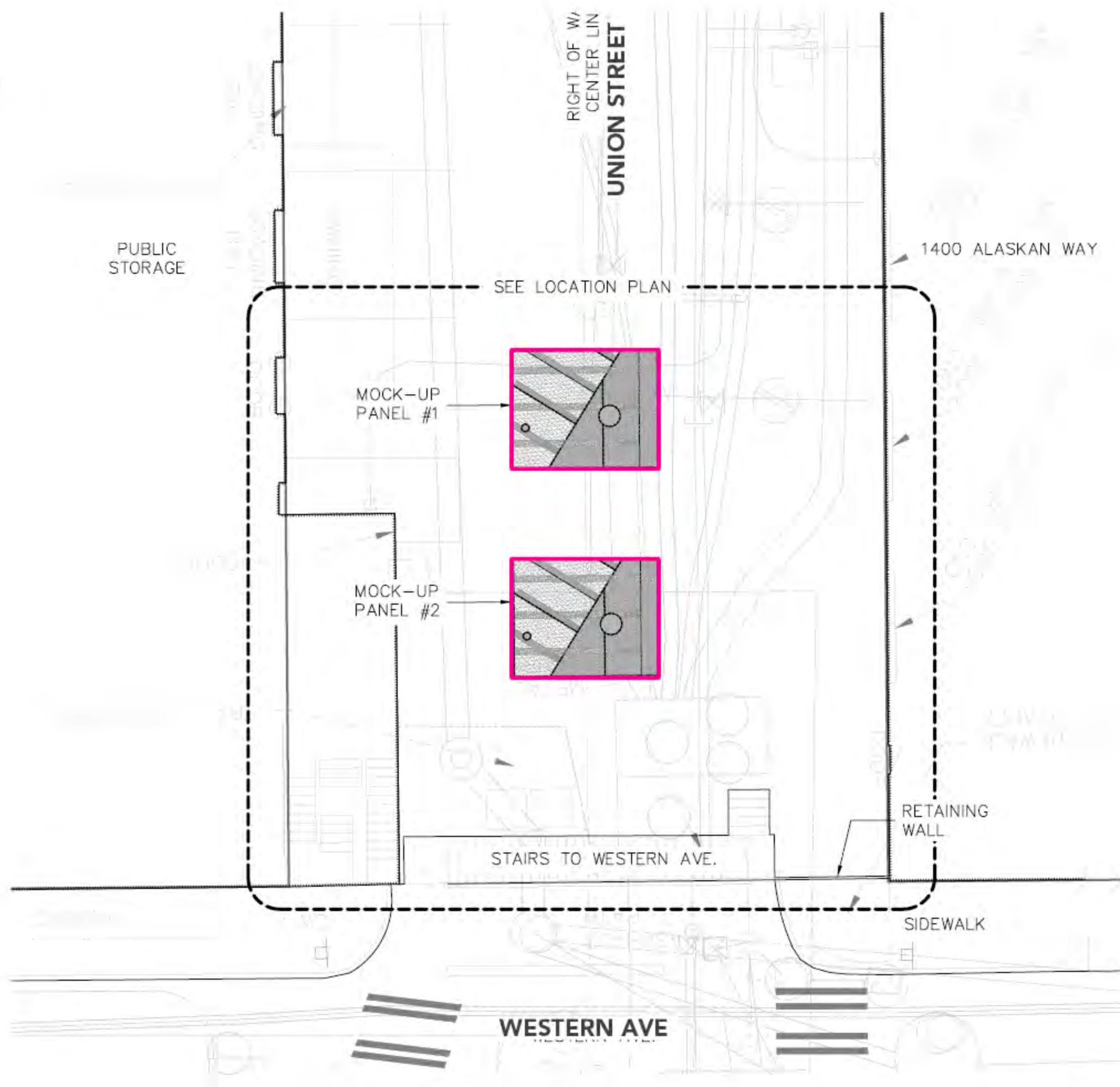


PAVING  
MOCK UP





PAVING  
MOCK UP UNION ST. LOCATION





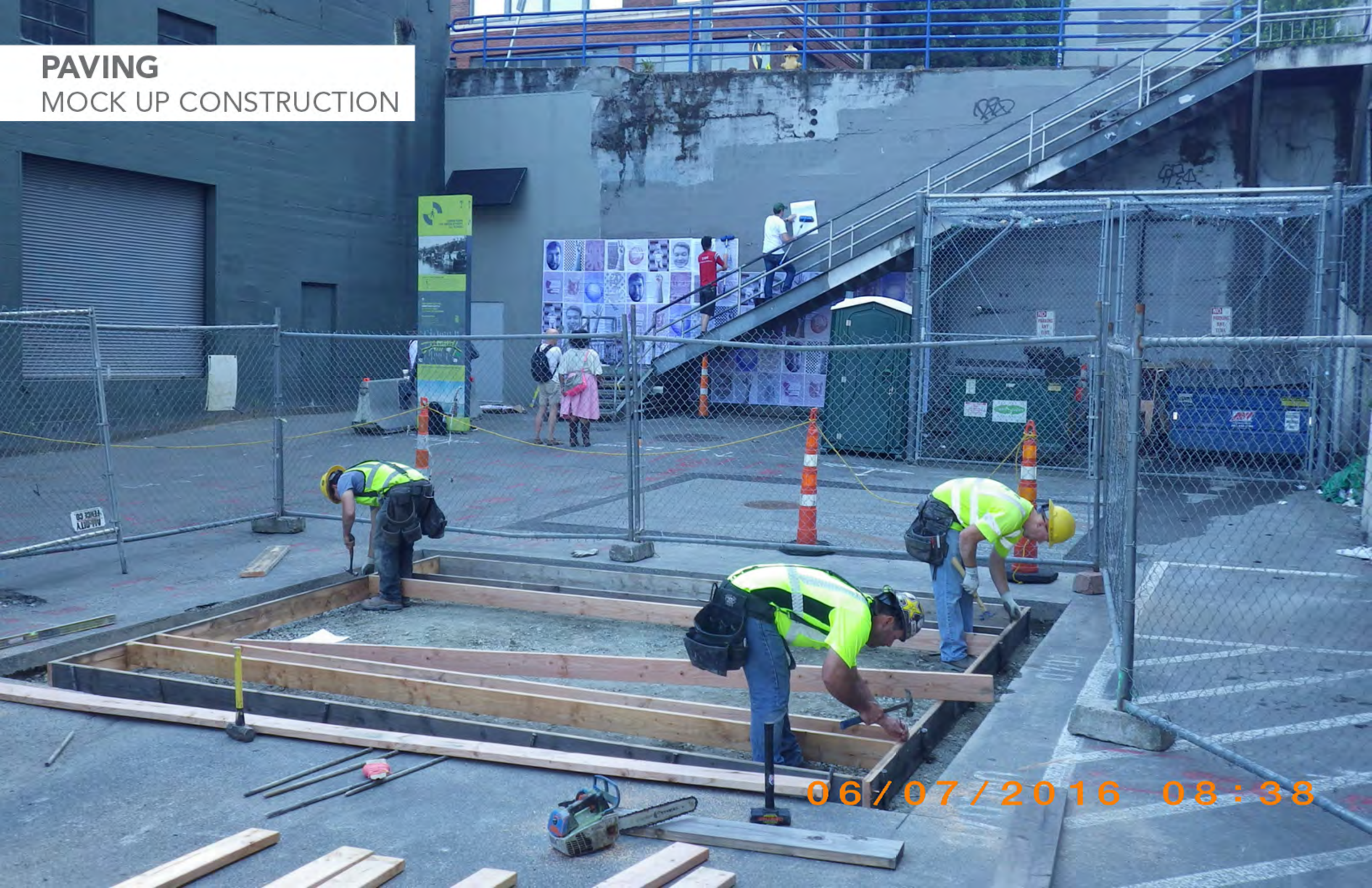
# PAVING

MOCK UP UNION ST. LOCATION





# PAVING MOCK UP CONSTRUCTION



06/07/2016 08:38



# PAVING MOCK UP CONSTRUCTION



06/07/2016 10:28



# PAVING MOCK UP CONSTRUCTION



06/07/2016 13:32



# PAVING MOCK UP CONSTRUCTION



06/08/2016 08:38



# PAVING MOCK UP CONSTRUCTION



06/08/2016 09:41



# PAVING MOCK UP CONSTRUCTION



06/08/2016 12:00



# PAVING MOCK UP CONSTRUCTION



06/09/2016 08:44



# PAVING MOCK UP CONSTRUCTION



06/09/2016 08:55



# PAVING MOCK UP CONSTRUCTION



06/09/2016 09:13



**PAVING**  
MOCK UP CONSTRUCTION



06/09/2016 11:14



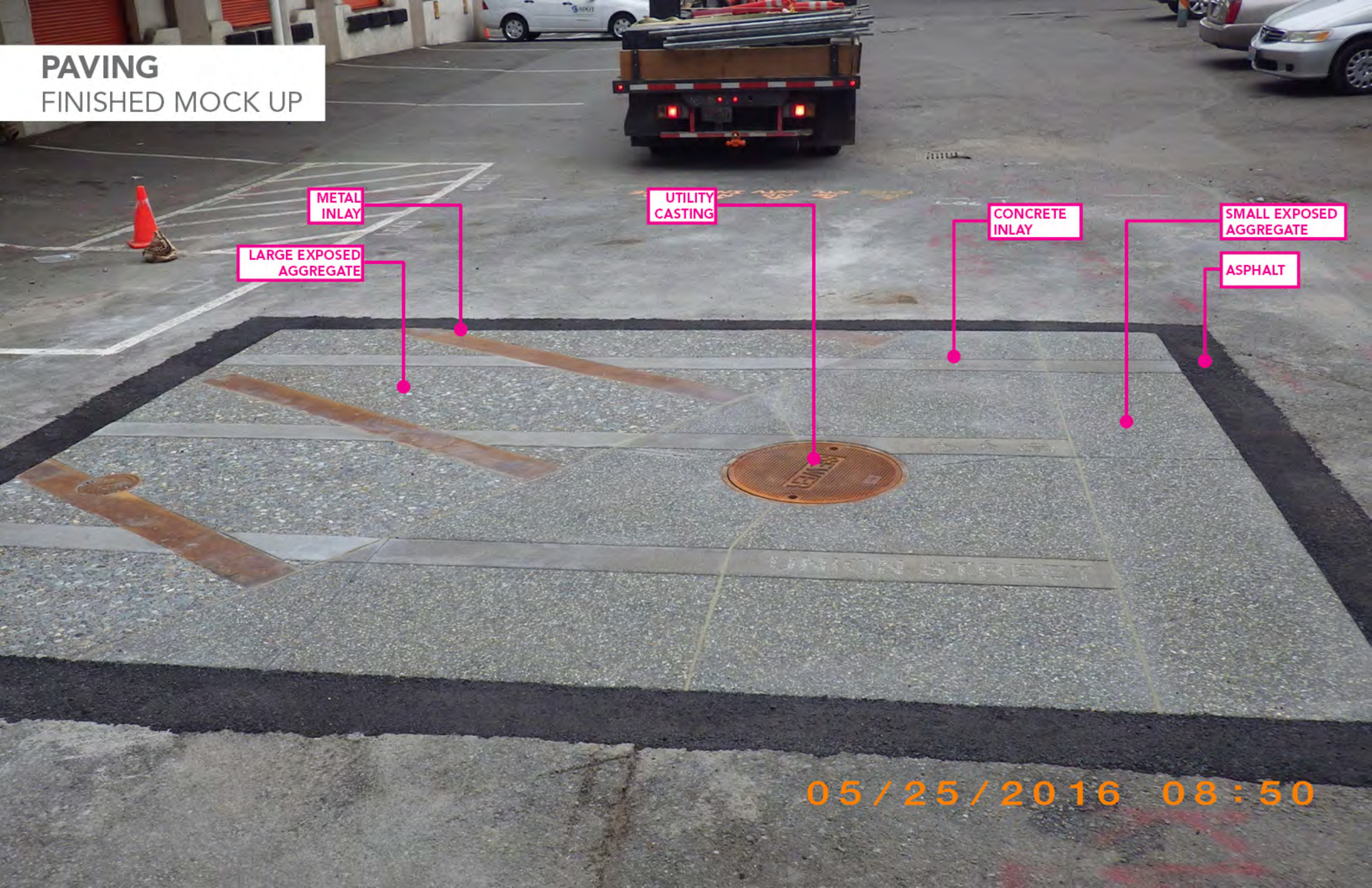
**PAVING**  
MOCK UP CONSTRUCTION



06/09/2016 12:19



# PAVING FINISHED MOCK UP



05/25/2016 08:50



CONTINUOUS ELEMENTS

**PLANTING**



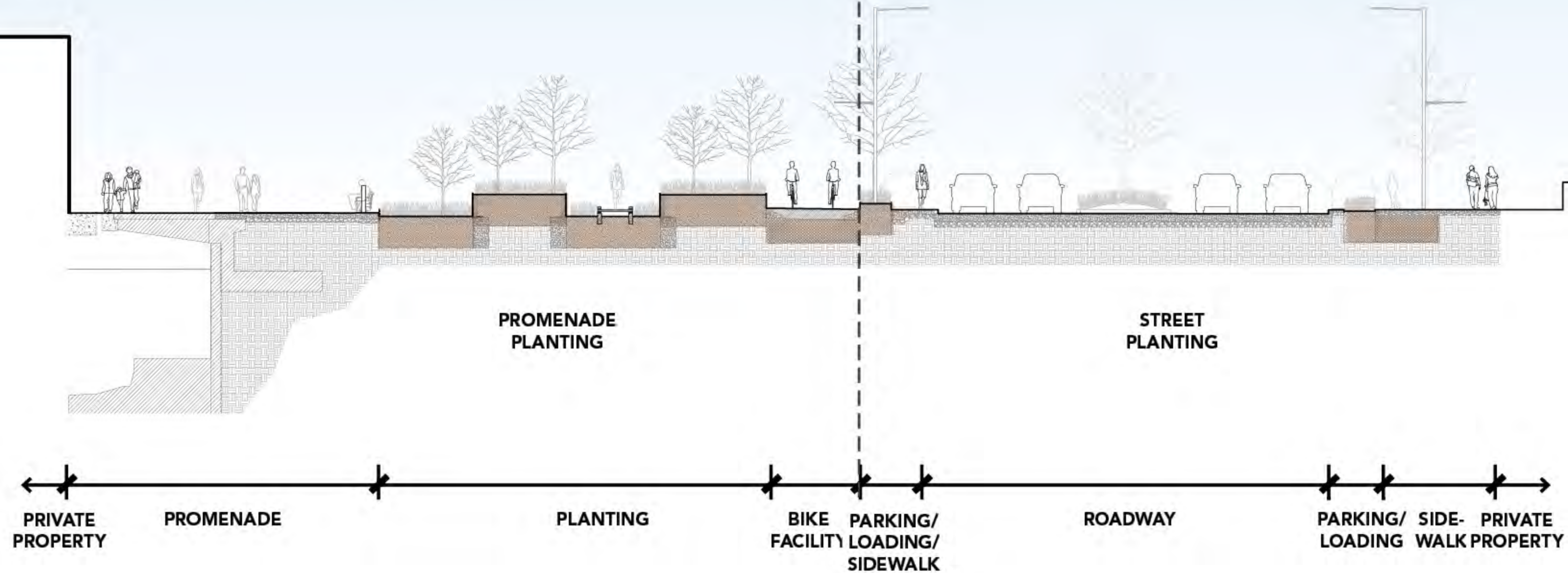
# PLANTING TYPOLOGIES

## PROMENADE TYPOLOGIES

- IRREGULAR LAYOUT
- IRREGULAR SPACING
- MIXED HEIGHTS
- MAINTAINED BY FRIENDS
- RESILIENT

## STREET TYPOLOGIES

- LINEAR LAYOUT
- REGULAR SPACING
- OPEN AT EYE LEVEL
- MAINTAINED BY SDOT
- TOUGH





**PLANTING**  
DIVERSITY ALONG THE CORRIDOR

HISTORY +  
SHORELINE

FORMAL  
+ OPEN

SEASONAL  
+ VARIED

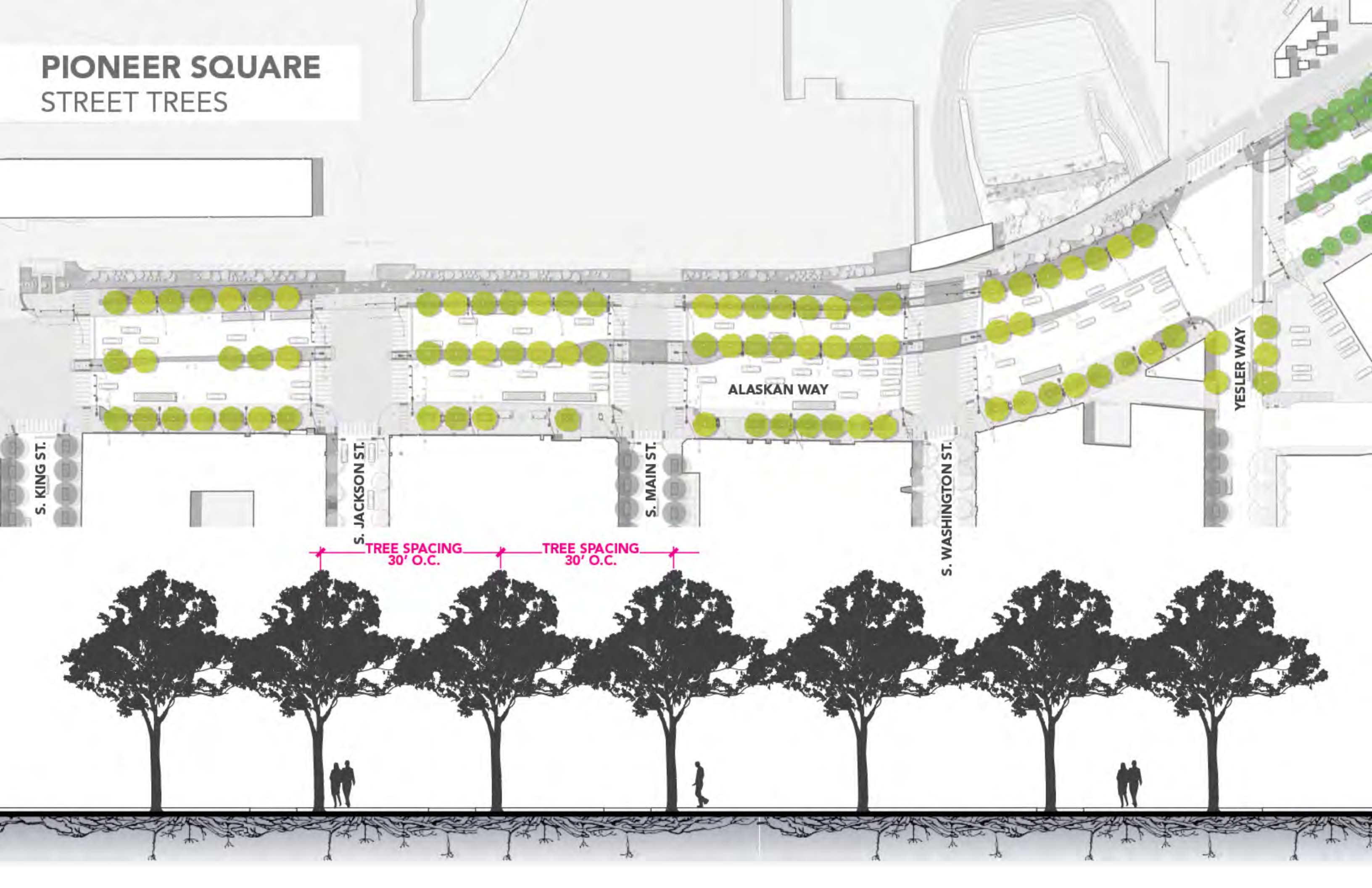
BEACH +  
LAYERS

BLUFF +  
DIVERSITY





# PIONEER SQUARE STREET TREES





## PIONEER SQUARE STREET TREES



**PLATANUS X ACERIFOLIA 'YARWOOD'**  
LONDON PLANE TREE

INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 25-30'

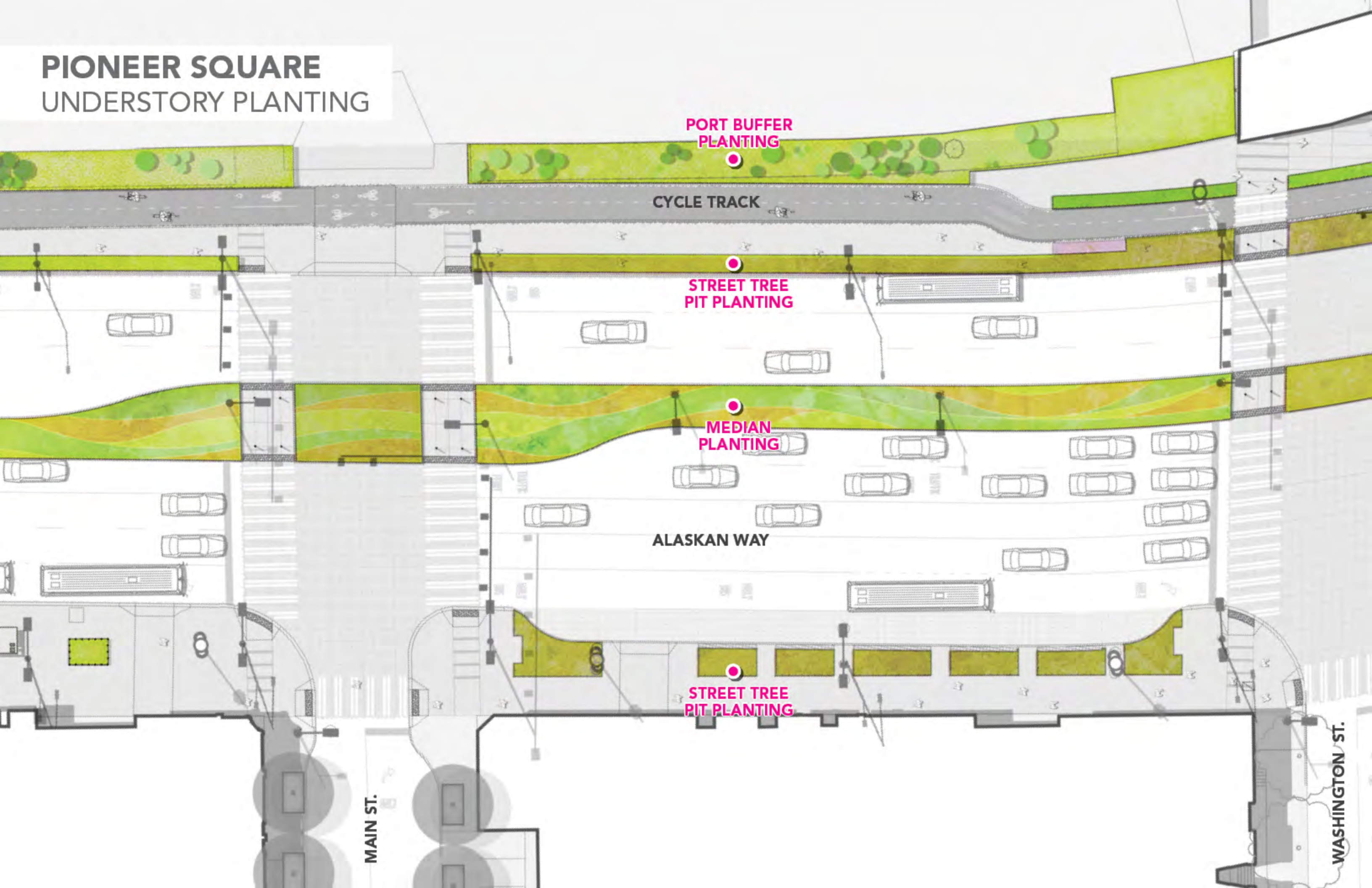


**LIRIODENDRON TULIPIFERA**  
TULIP TREE

INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 25-30'



**PIONEER SQUARE**  
UNDERSTORY PLANTING



PORT BUFFER  
PLANTING

CYCLE TRACK

STREET TREE  
PIT PLANTING

MEDIAN  
PLANTING

ALASKAN WAY

STREET TREE  
PIT PLANTING

MAIN ST.

WASHINGTON ST.



# PIONEER SQUARE

## UNDERSTORY PLANTING

### SPRING



Ceanothus gloriosus



Iris douglasiana



Narcissa thalia



Camassia leichtlinii  
'sempierna'



Mahonia repens

### SUMMER



Achillea millefolium 'Lilac  
Beauty'



Helictotrichon sempivirens



Hakonechloa macra



Carex densa



Achillea millefolium  
'Moonshine'

### FALL



Aster tataricus 'Jindai'



Acer circinatum 'Pacific  
Purple'

### WINTER



Liriope spicata



Carex comans



Cornus sericea 'Kelsey'



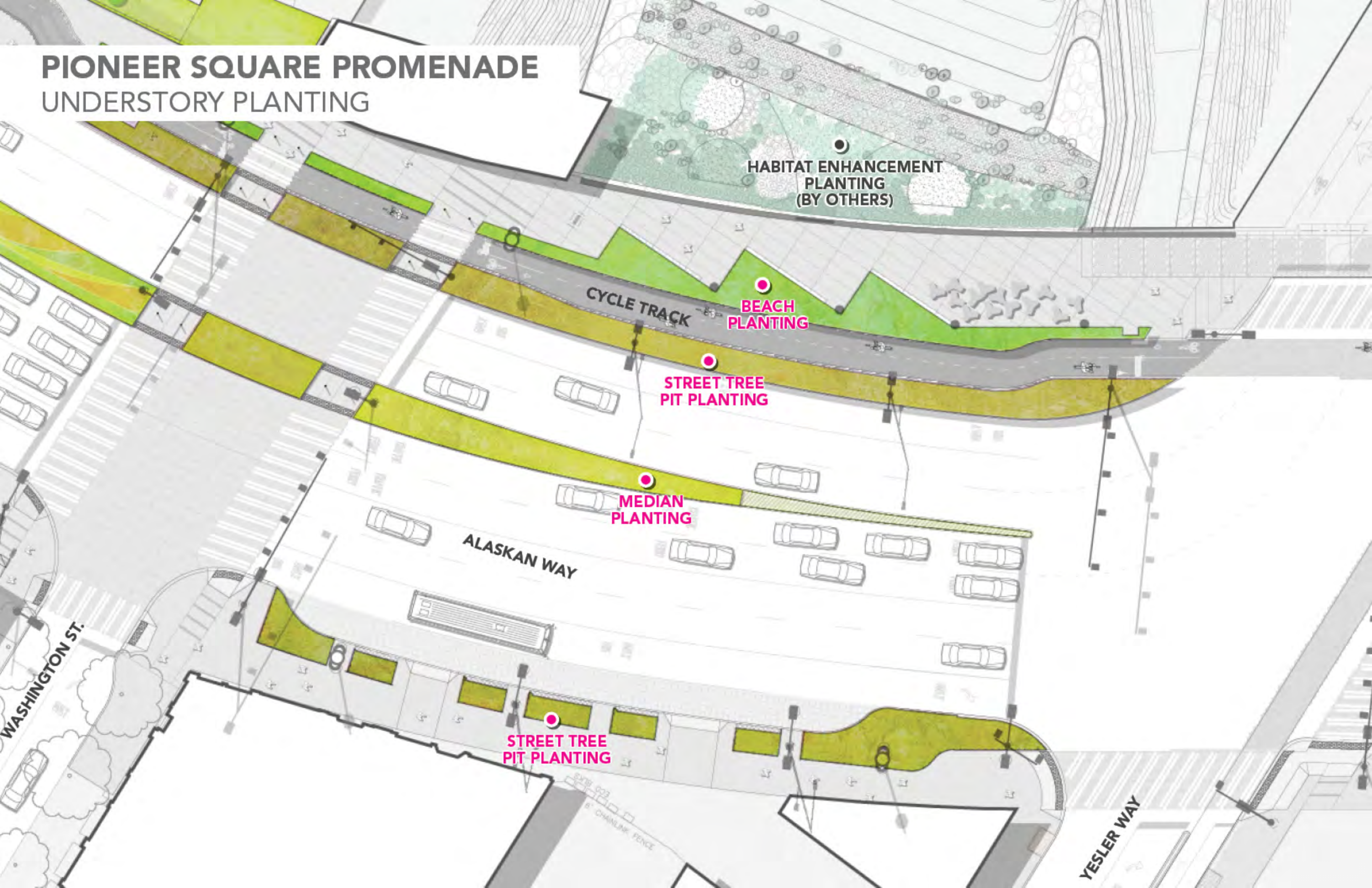
Symphoricarpos x  
chenaultii



Pinus contorta



**PIONEER SQUARE PROMENADE**  
**UNDERSTORY PLANTING**



HABITAT ENHANCEMENT  
PLANTING  
(BY OTHERS)

BEACH  
PLANTING

STREET TREE  
PIT PLANTING

MEDIAN  
PLANTING

STREET TREE  
PIT PLANTING

CYCLE TRACK

ALASKAN WAY

YESLER WAY

WASHINGTON ST.

6" CHAINLINK FENCE



# PIONEER SQUARE PROMENADE

## UNDERSTORY PLANTING

### SPRING



Ceanothus gloriosus 'Heart's Desire'



Brodiaea 'Queen Fabiola'



Camassia leichtlinii 'Sacajawea'

### SUMMER



Calamagrostis acutifolia 'Karl Foerster'



Geum 'Totally Tangerine'



Potentilla fruticosa 'Happy Face White'

### FALL



Andropogon gerardii 'Red October'



Aster dumosus 'Lady in Blue'



Molinia caerulea ssp Arundinacea 'Skyracer'

### WINTER



Hakonechloa macra



Pinus contorta var. latifolia



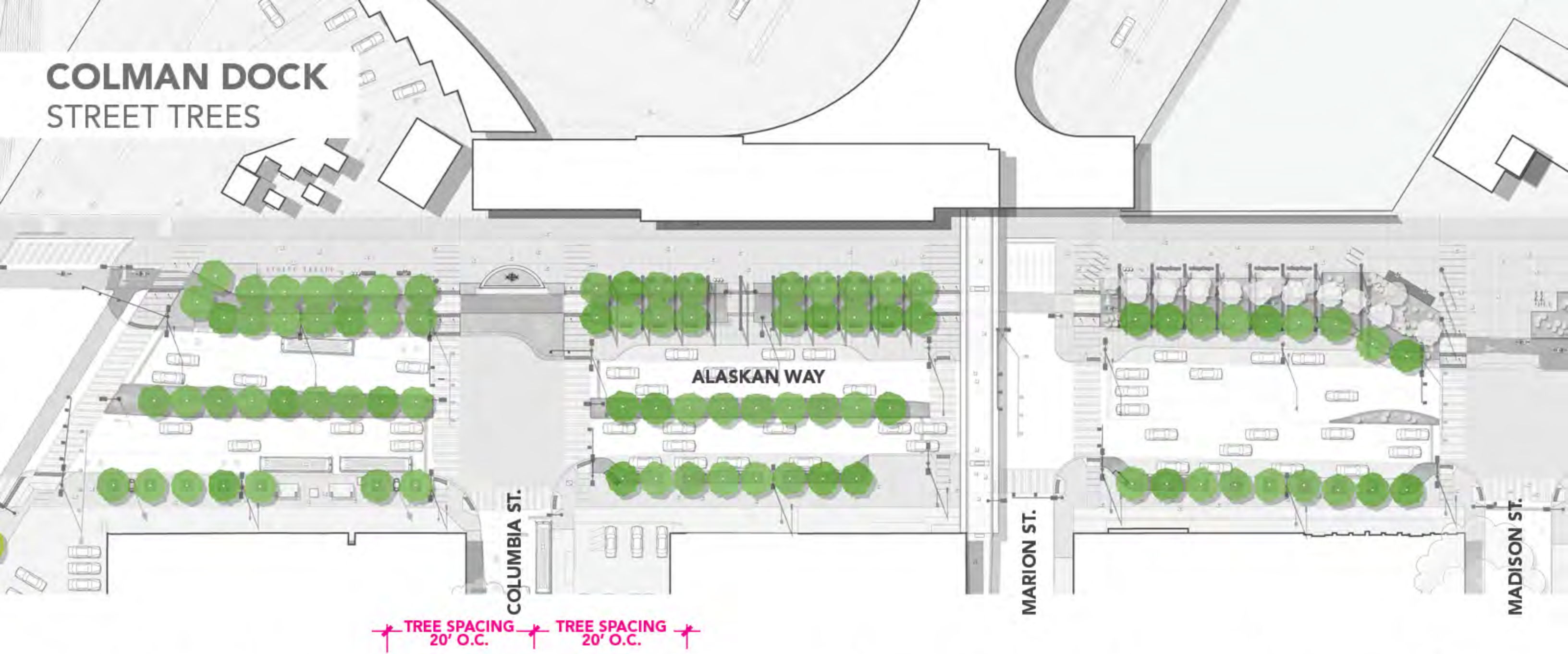
Arctostaphylos x 'John Dourley'



Pinus contorta



# COLMAN DOCK STREET TREES





**COLMAN DOCK**  
STREET TREES



**ULMUS PARVIFLORA 'ELMER II'**  
CHINESE ELM

INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 25-30'



**ULMUS AMERICANA 'PRINCETON'**  
PRINCETON AMERICAN ELM

INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 25-30'



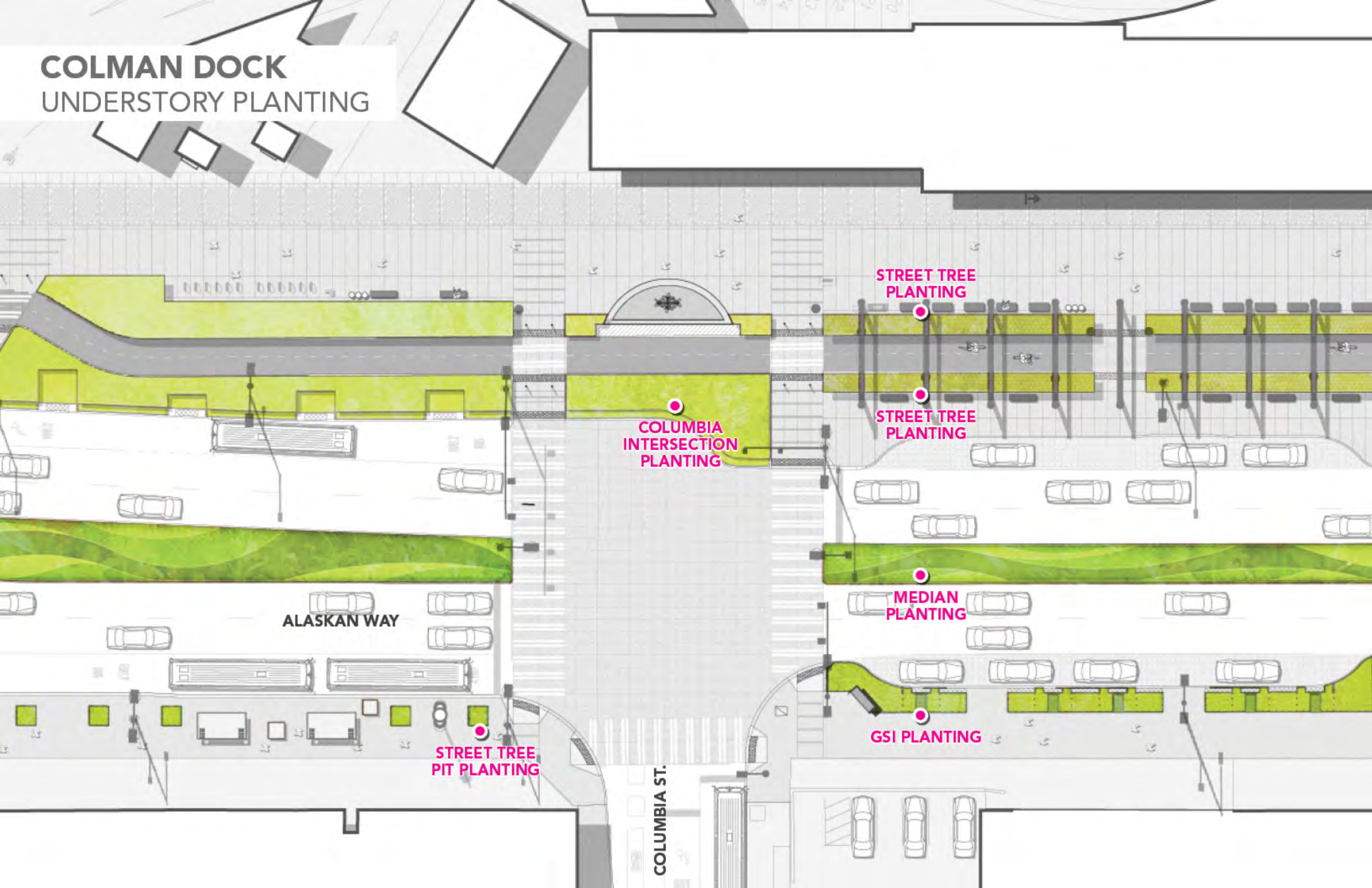
**ZELKOVA SERRATA 'GREEN VASE'**  
GREEN VASE ZELKOVA

INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 20-25'



# COLMAN DOCK

## UNDERSTORY PLANTING



ALASKAN WAY

STREET TREE  
PIT PLANTING

COLUMBIA  
INTERSECTION  
PLANTING

STREET TREE  
PLANTING

STREET TREE  
PLANTING

MEDIAN  
PLANTING

GSI PLANTING

COLUMBIA ST.



# COLMAN DOCK

## UNDERSTORY PLANTING

### SPRING



Iris tenax 'Oregon Watercolor'



Ceanothus thyrsiflorus 'Repens'



Iris douglasiana 'Canyon Snow'



Pieris japonica 'Prelude'



Bergenia 'Bressingham Ruby'



Mahonia aquifolium 'Compactum'

### SUMMER



Itea virginica 'Little Henry'



Athyrium filix-femina



Osmunda regalis



Polystichum munitum



Osmunda claytoniana

### FALL



Pennisetum alopecuroides 'Hameln'



Aster divaricatus wood's blue



Amsonia hubrichtii

### WINTER



Vaccinium ovatum



Lonicera pileata



Carex comans



Carex oshimensis 'Evergold'



Carex elata 'Aurea'



Mahonia aquifolium



# HISTORIC PIERS

## STREET TREES



TREE SPACING 20' O.C. TREE SPACING 20' O.C.





**HISTORIC PIERS**  
STREET TREES



**ACER SACARUM 'GREEN MOUNTAIN'**  
GREEN MOUNTAIN SUGAR MAPLE

INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 25-30'



**FRAXINUS AMERICANA 'JUNGINGER'**  
AMERICAN ASH

INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 25-30'



**TILIA CORDATA 'GREENSPIRE'**  
GREENSPIRE LINDEN

INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 20-25'



# HISTORIC PIERS

## UNDERSTORY PLANTING



GARDEN  
PLANTING

GARDEN  
PLANTING

STREET TREE  
PLANTING

STREET TREE  
PLANTING

MEDIAN  
PLANTING

ALASKAN WAY

STREET TREE  
PLANTING

STREET TREE  
PLANTING

SPRING ST.



# HISTORIC PIERS

## UNDERSTORY PLANTING

### SPRING



### SUMMER



### FALL



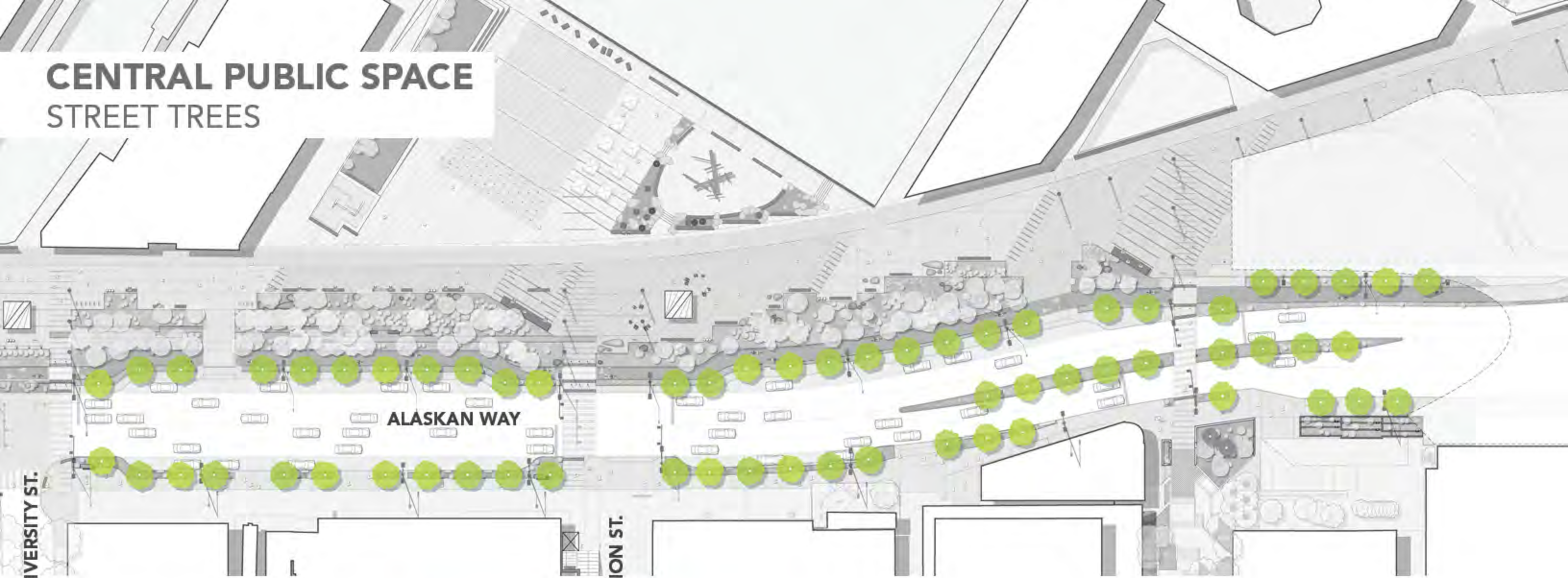
### WINTER





# CENTRAL PUBLIC SPACE

## STREET TREES



UNIVERSITY ST.

ALASKAN WAY

UNION ST.

TREE SPACING  
30' O.C.

TREE SPACING  
30' O.C.





# CENTRAL PUBLIC SPACE

## STREET TREES

**QUERCUS PHELLOS**  
WILLOW OAK

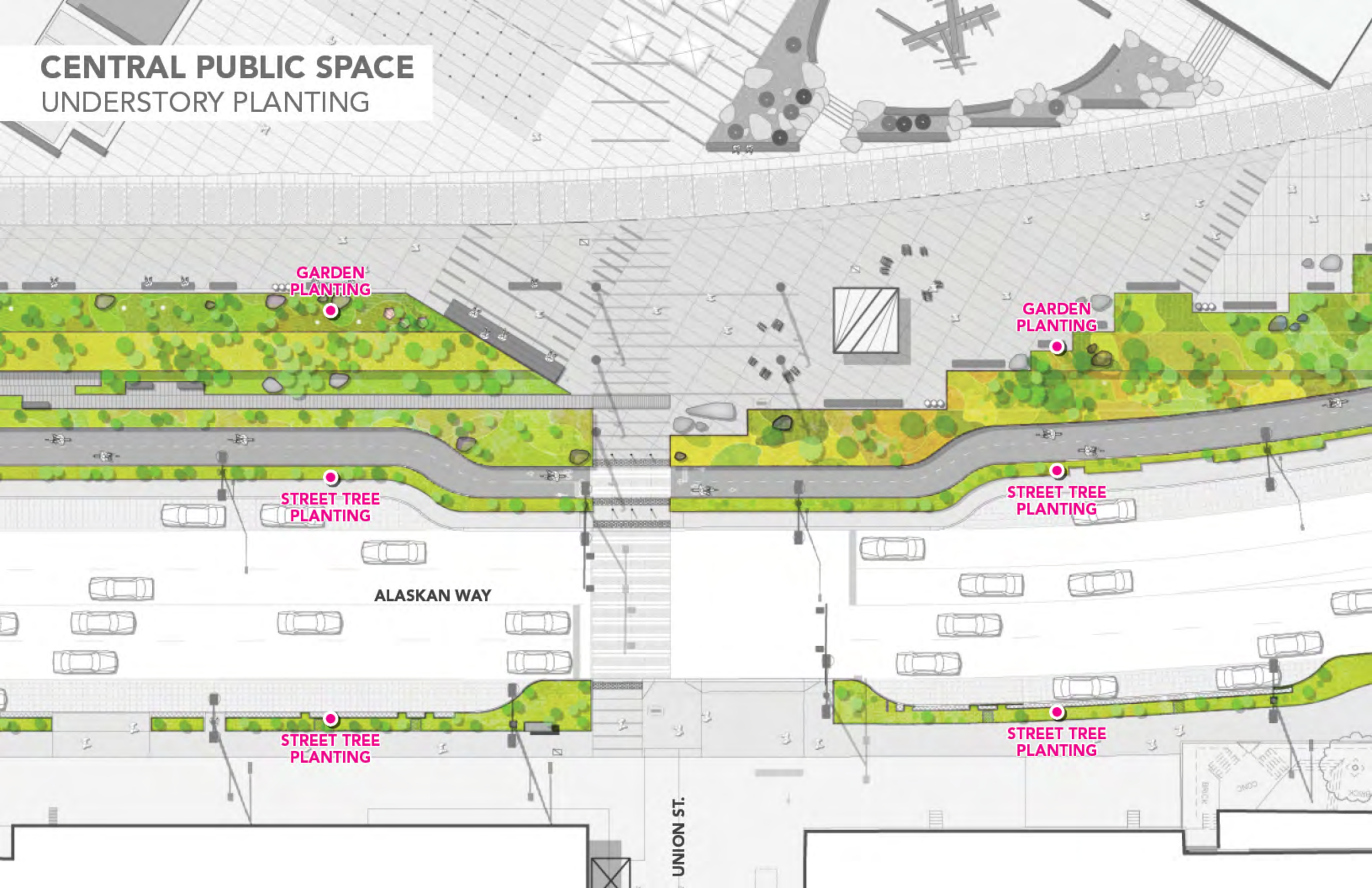
INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 30-40'





# CENTRAL PUBLIC SPACE

## UNDERSTORY PLANTING





# CENTRAL PUBLIC SPACE

## UNDERSTORY PLANTING

### SPRING



Magnolia 'Elizabeth'



Corylopsis spicata



Enkianthus campanulatus 'Red Bells'



Rhododendron 'Dreamland'



Aquilegia vulgaris 'Clementine Red'



Chaenomeles 'Scarlet Storm'

### SUMMER



Agapanthus 'Brilliant Blue'



Aralia cordata 'Gold King'



Kniphofia 'Ember Glow'



Echinacea 'Firebird'



Gaillardia x 'Arizona Sun'



Abutilon megapotamicum

### FALL



Pennisetum alopecuroides 'Hameln'



Molinia caerulea ssp Arundinacea 'Skyracer'



Cotinus coggygria 'Ancot'



Berberis thunbergii 'Goruzam'



Acer griseum

### WINTER



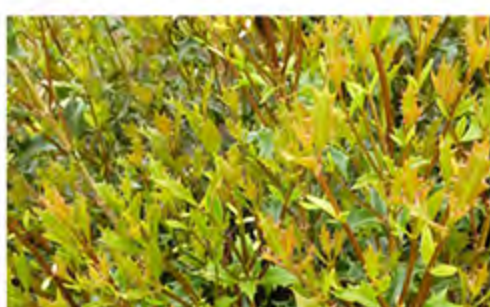
Pinus thunbergii



Carex comans 'Bronze'



Helleborus 'Rio Carnival'



Osmanthus heterophyllus 'Gulftide'



Nandina domestica 'Moon Bay'



**BELLTOWN**  
STREET TREES



TREE SPACING  
20' O.C.

TREE SPACING  
20' O.C.





**BELLTOWN**  
STREET TREES



HUNGARIAN OAK  
INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 25-30'



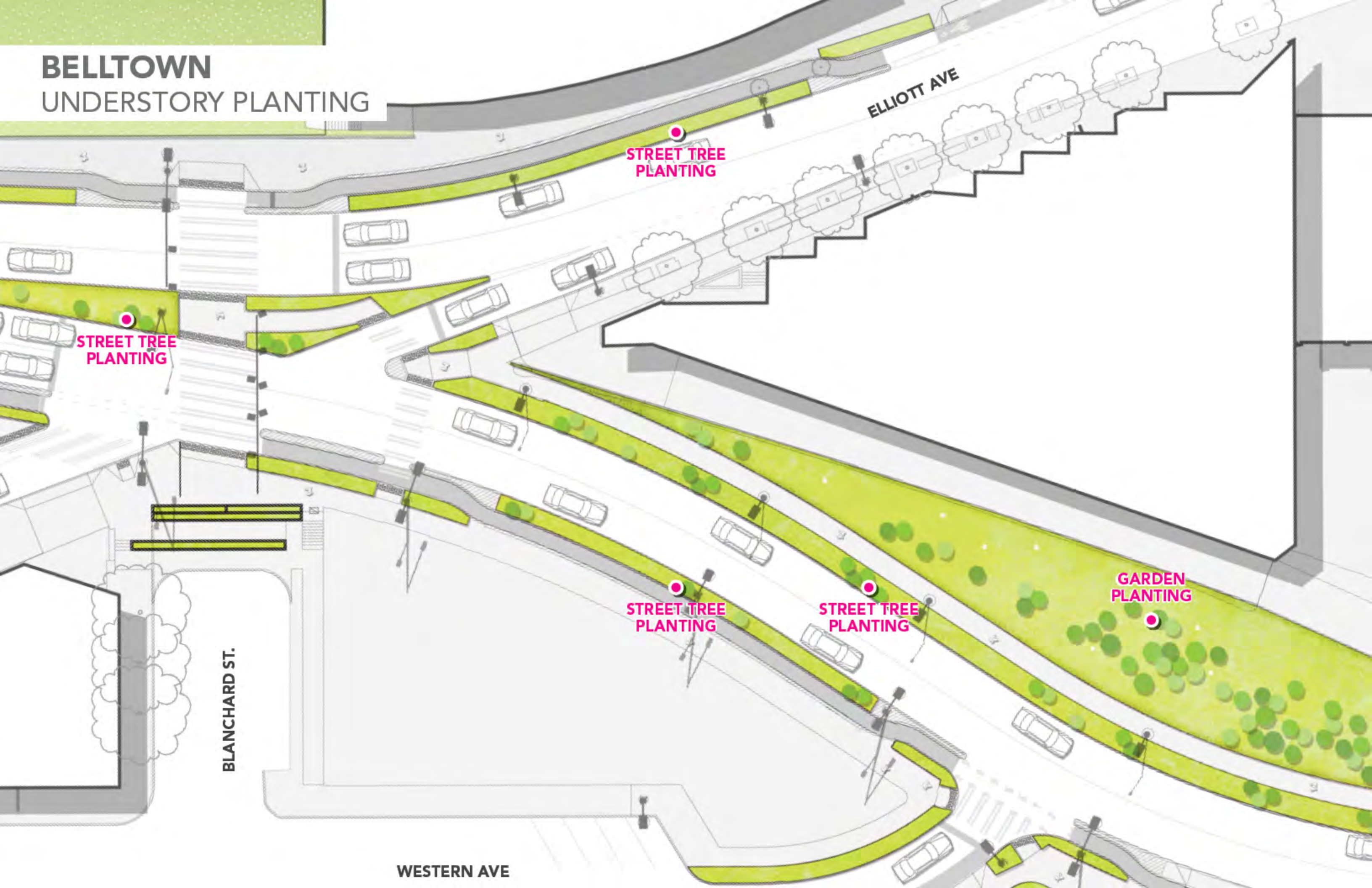
HYBRID OAK  
INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 25-30'



CRIMSON SPIRE OAK  
INSTALLATION SIZE: 4-5" CAL  
20 YR HEIGHT: 20-25'



**BELLTOWN**  
UNDERSTORY PLANTING



STREET TREE  
PLANTING

STREET TREE  
PLANTING

STREET TREE  
PLANTING

STREET TREE  
PLANTING

GARDEN  
PLANTING

ELLIOTT AVE

BLANCHARD ST.

WESTERN AVE



# BELLTOWN

## UNDERSTORY PLANTING

### SPRING



*Ceanothus* 'Vendenberg'



*Amsonia ciliata*



*Bergenia* 'Bressingham White'



*Calycanthus* x *raulstonii* 'Hartlage Wine'



*Ribes sanguineum* 'Pokey's Pink'



*Ribes sanguineum* 'Pulborough Scarlet'



*Akebia quinata*



*Mahonia repens*



*Ribes aureum*

### SUMMER



*Polystichum munitum*



*Achillea millefolium* 'Lavendar Beauty'



*Erica cinerea* 'C.D. Eason'



*Lonicera periclymenum* 'Serotina'



*Hydrangea seemanii*



*Philadelphus lewisii* 'Belle Etoile'



*Helianthus* 'Lemon Queen'



*Rudbeckia* 'Goldstrum'



*Potentilla fruticosa* 'Happy Face Yellow'

### FALL



*Agastache* 'Blue Fortune'



*Aster oblongifolius* 'Raydon's Favorite'



*Clematis terniflora*



*Pennisetum alopecuroides* 'Hameln'



*Molinia caerulea* 'Moorflamme'



*Coreopsis verticillata* 'Zagreb'



*Parthenocissus tricuspidata*



*Acer circinatum*

### WINTER



*Prunus laurocerasus* 'Mt. Vernon'



*Erica* x *darleyensis* 'Kramer's Rote'



*Artemisia* 'Sea Foam'



*Deschampsia cespitosa* 'Goldtau'



*Garrya elliptica* 'Evie'



*Holboellia coriacea* 'Cathedral Gem'



*Carex testacea*



*Libertia peregrinans*



*Cornus sericea* 'Isanti'







# PLANTING

## GROWING MEDIA



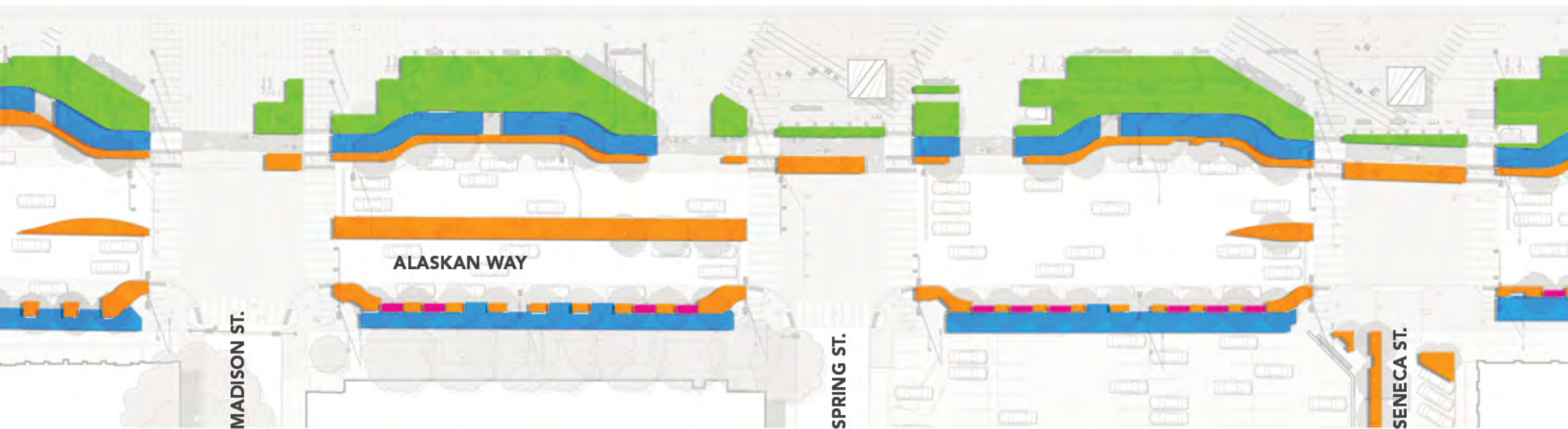
### LEGEND

-  SDOT STANDARD PLANTING SOIL
-  SDOT STANDARD BIORETENTION SOIL
-  GARDEN TOP SOIL
-  SOIL CELLS







# PLANTING

## GROWING MEDIA

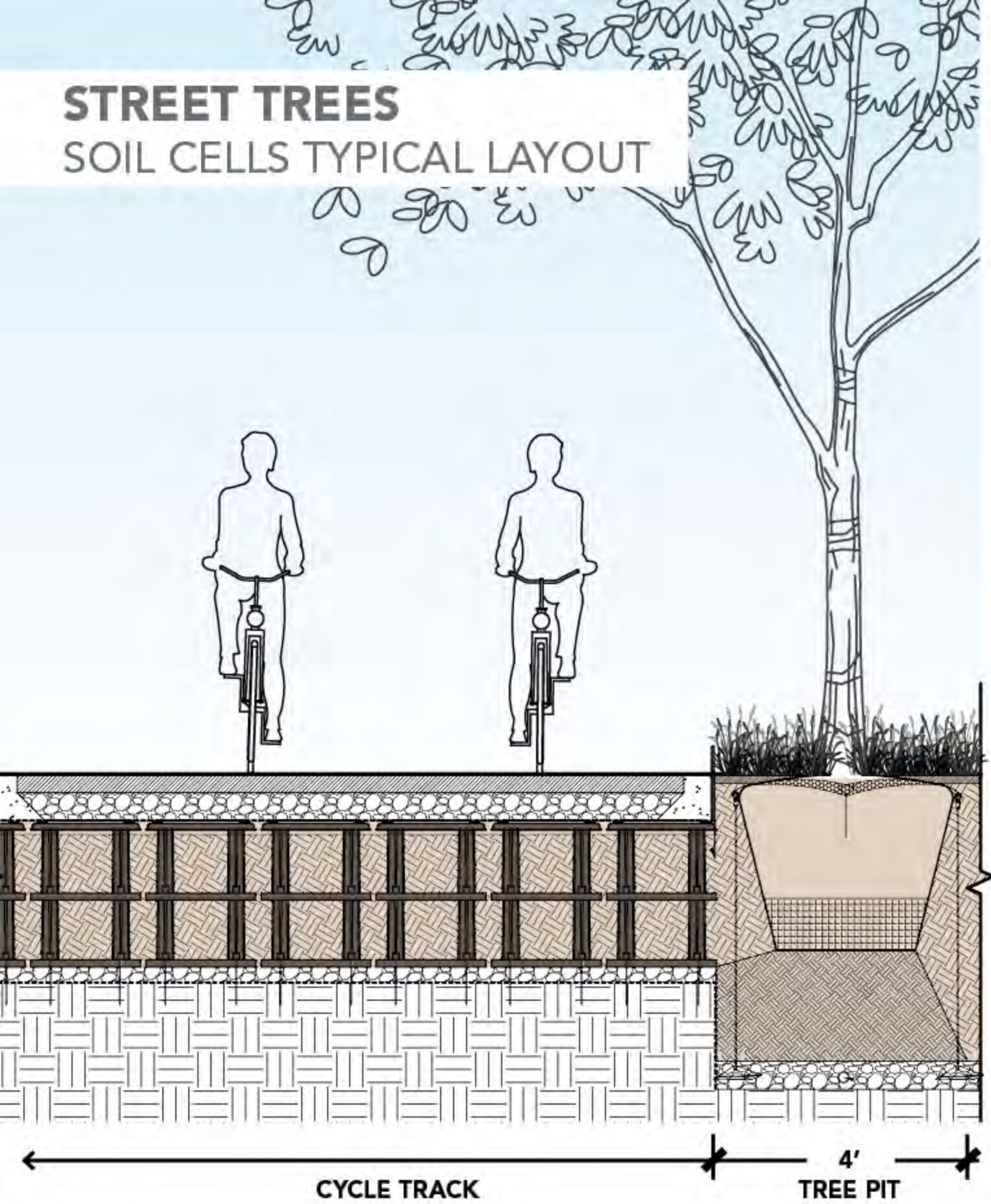


### LEGEND

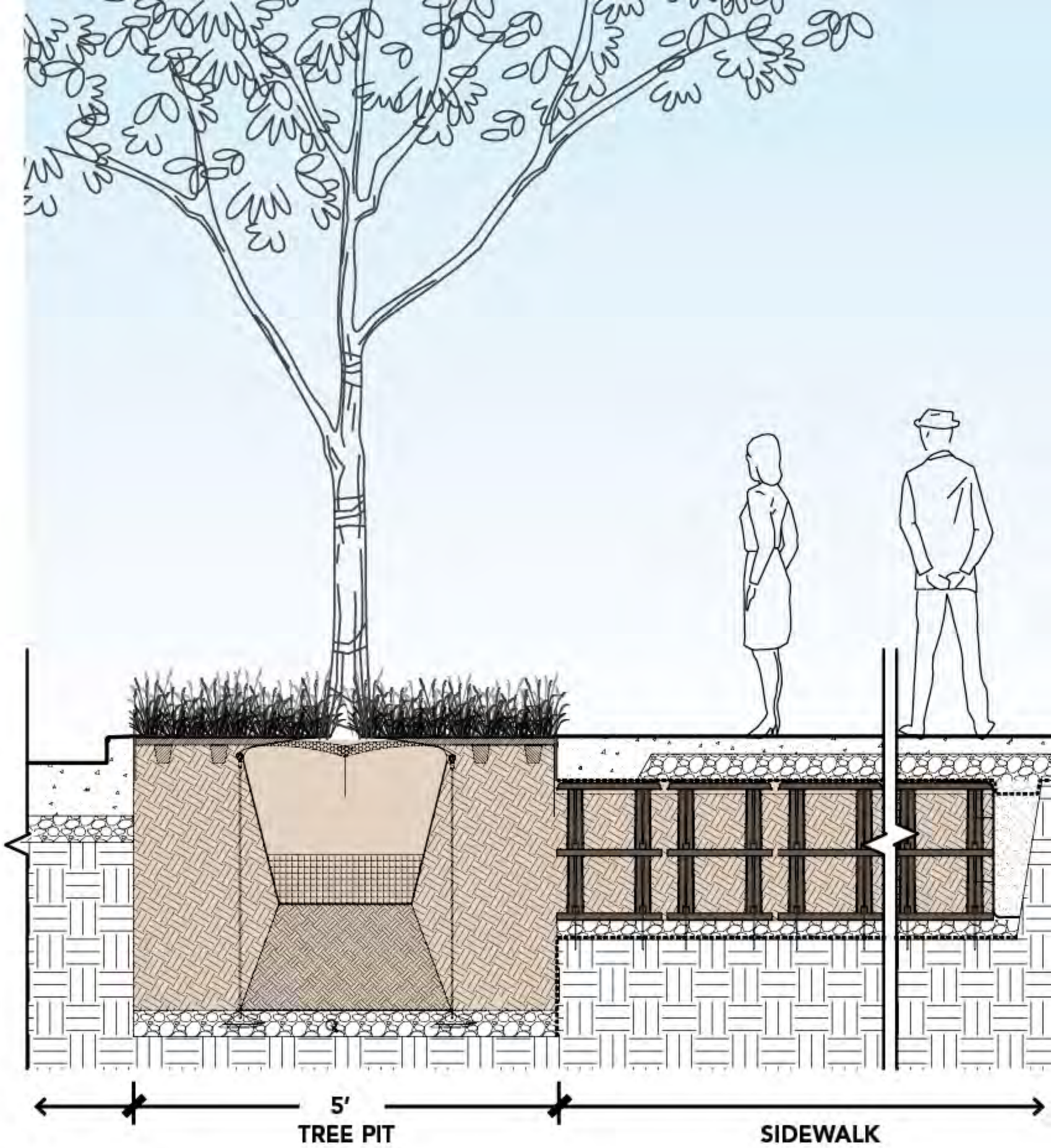
-  SDOT STANDARD PLANTING SOIL
-  SDOT STANDARD BIORETENTION SOIL
-  GARDEN TOP SOIL
-  SOIL CELLS



**STREET TREES**  
SOIL CELLS TYPICAL LAYOUT



SOIL CELLS UNDER CYCLE TRACK



**EAST-SIDE**  
SOIL CELLS UNDER SIDEWALK



## PLANTING MEDIA SOIL CELLS

PROVIDE 700 CF  
OF SOIL PER TREE



SOIL CELLS

5% PLASTIC STRUCTURE + 95% PLANTING SOIL



SUPPORTS  
PAVEMENT



SUPPORTS  
TREE



CONTINUOUS ELEMENTS

**FURNISHING**



**FURNISHING**  
**PALETTE**



**WATERFRONT RAILING**



**BENCH**



**STEEL EDGING**



**BOARDWALK**



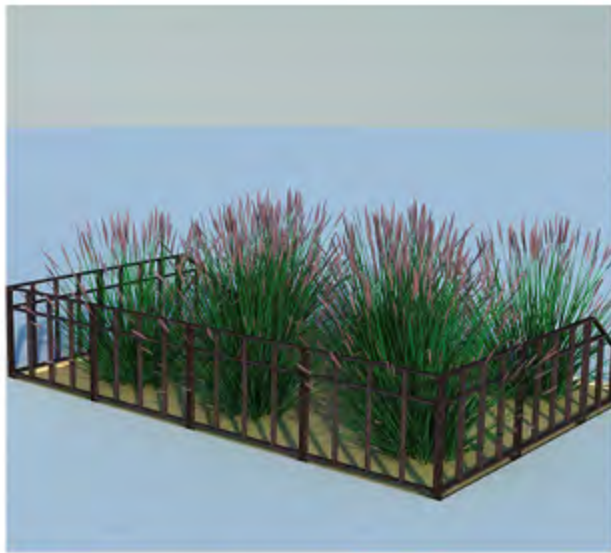
**DRINKING FOUNTAIN**



**BIKE RACKS**



**BOLLARD**



**TREE PIT GUARD**



**METAL DECK**



# FURNISHING

## WATERFRONT RAILING



 WATERFRONT RAILING

 BENCHES

 STEEL EDGING

 BOARDWALK

 UTILITY BOLLARDS

 DRINKING FOUNTAINS

 TRASH CANS

 BIKE RACKS

 BOLLARDS

 TREE PIT GUARDS

 METAL DECKING



# WATERFRONT RAILING

## CURRENT





# WATERFRONT RAILING

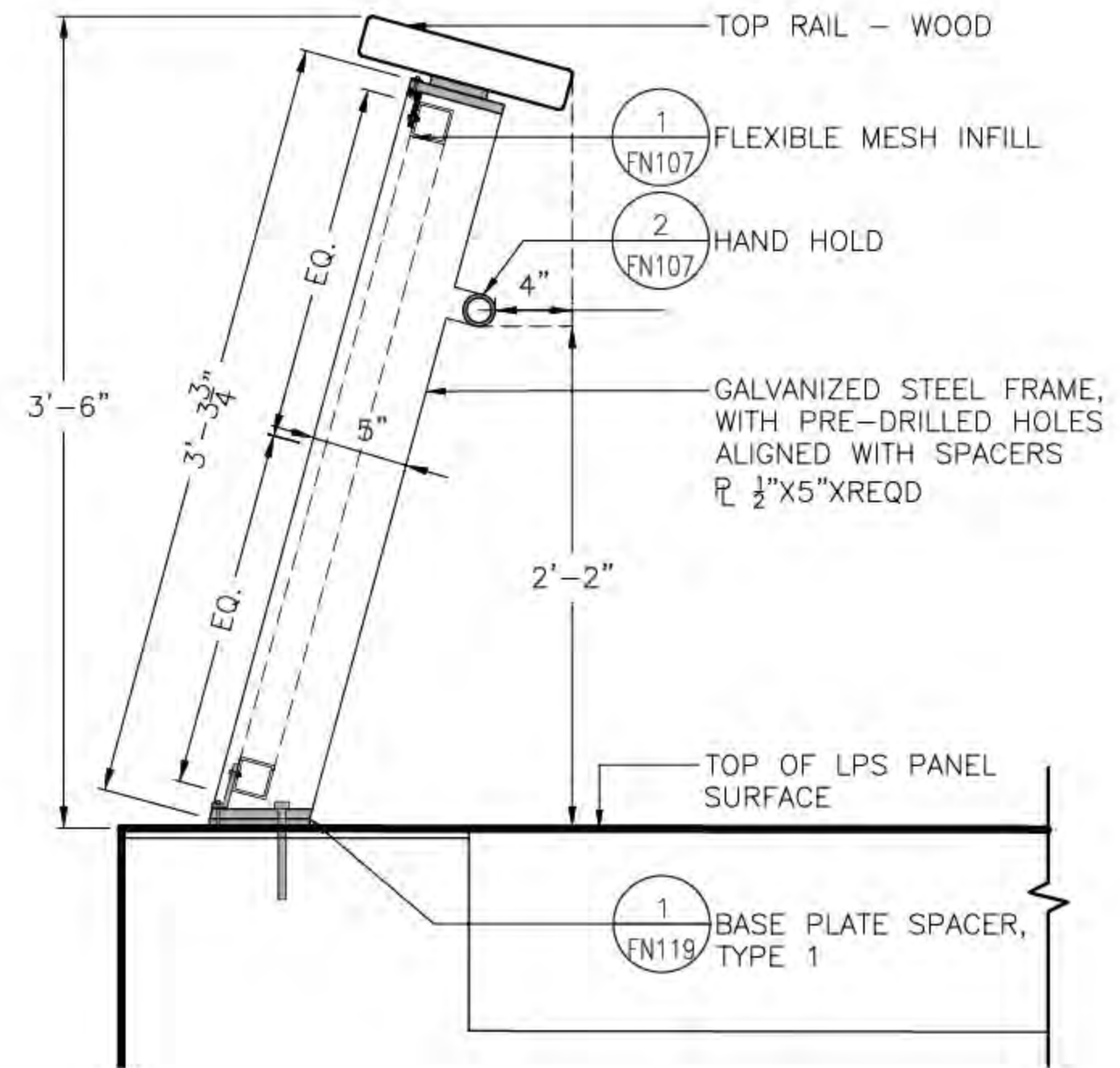
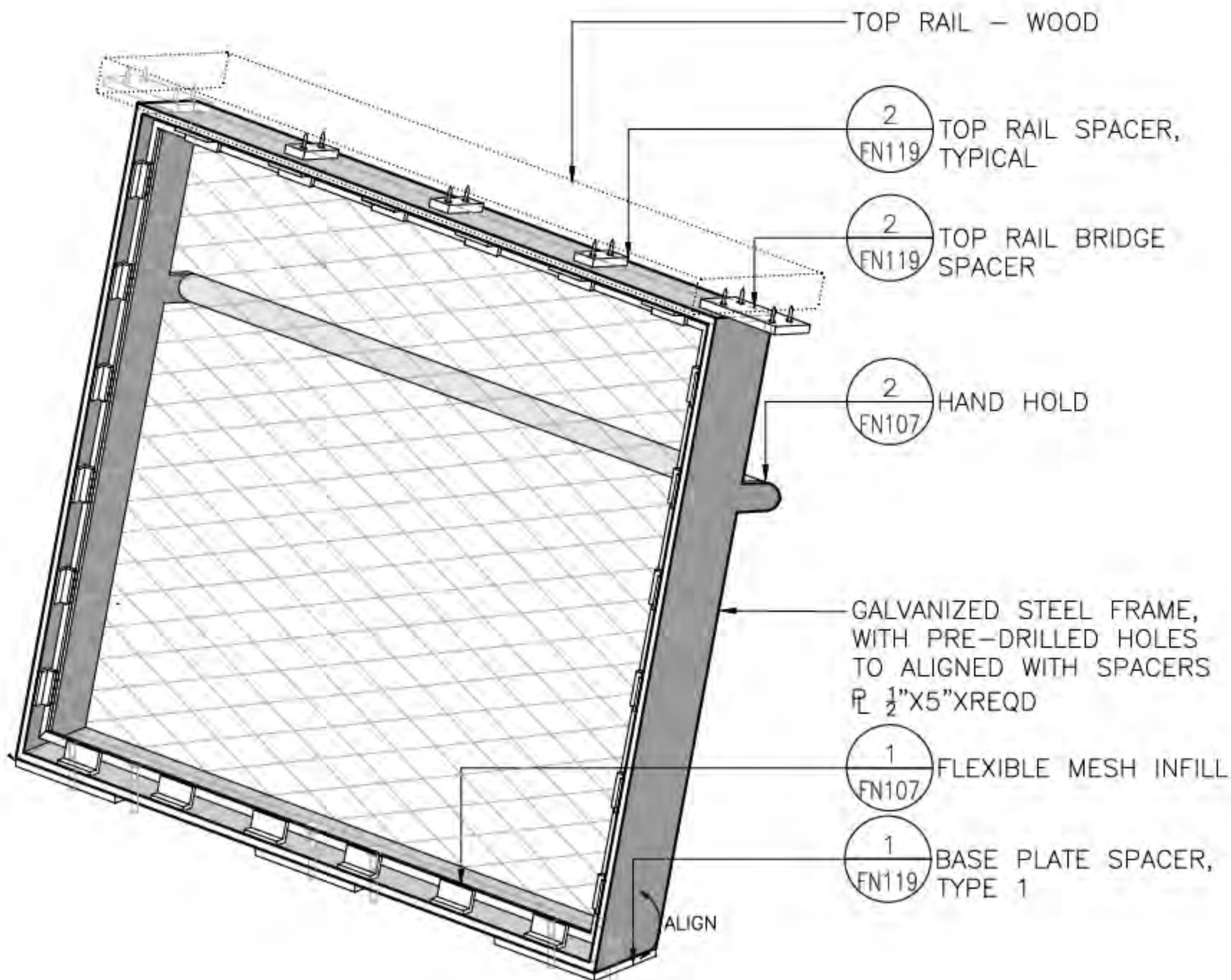
## PROPOSED





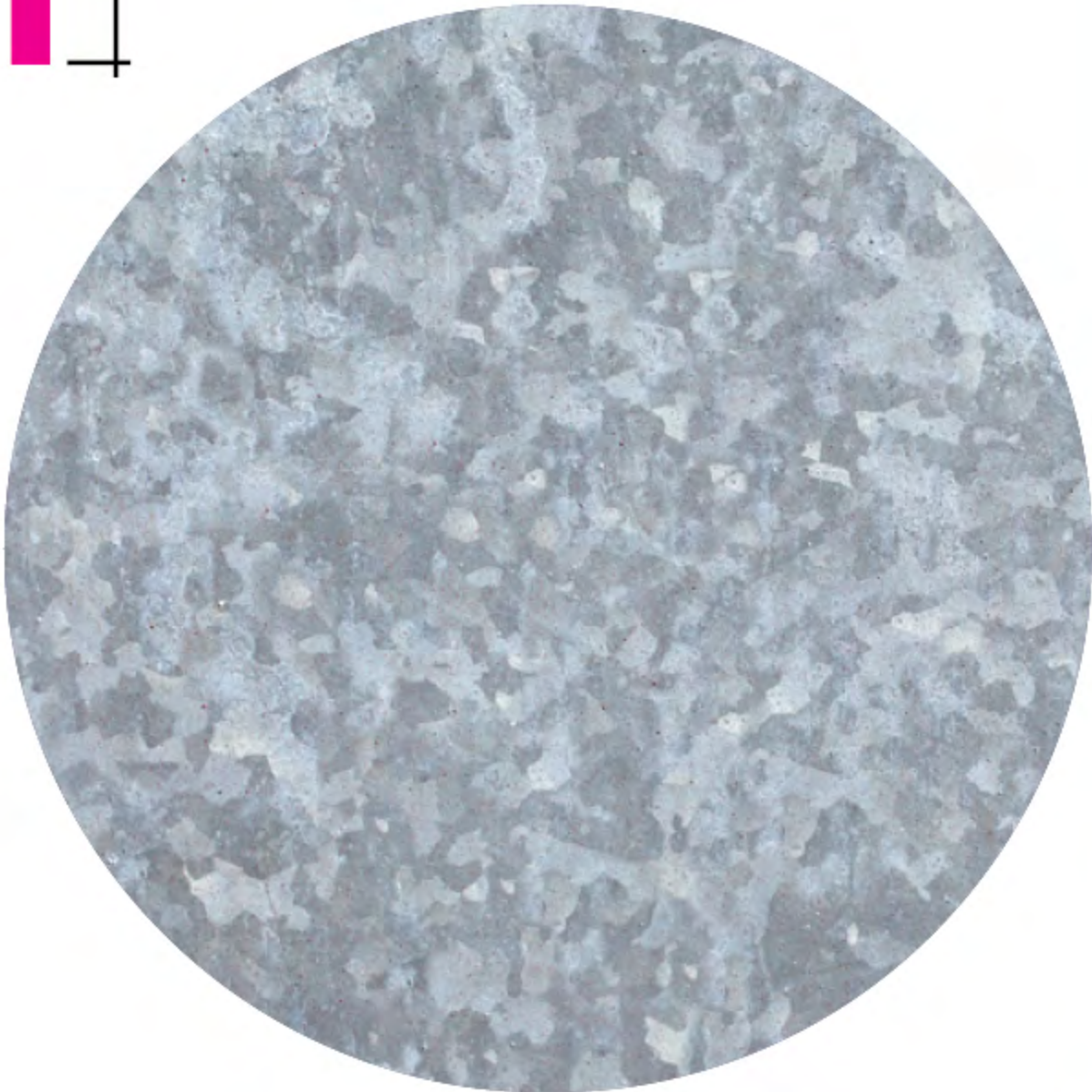
# WATERFRONT RAILING

## PROPOSED





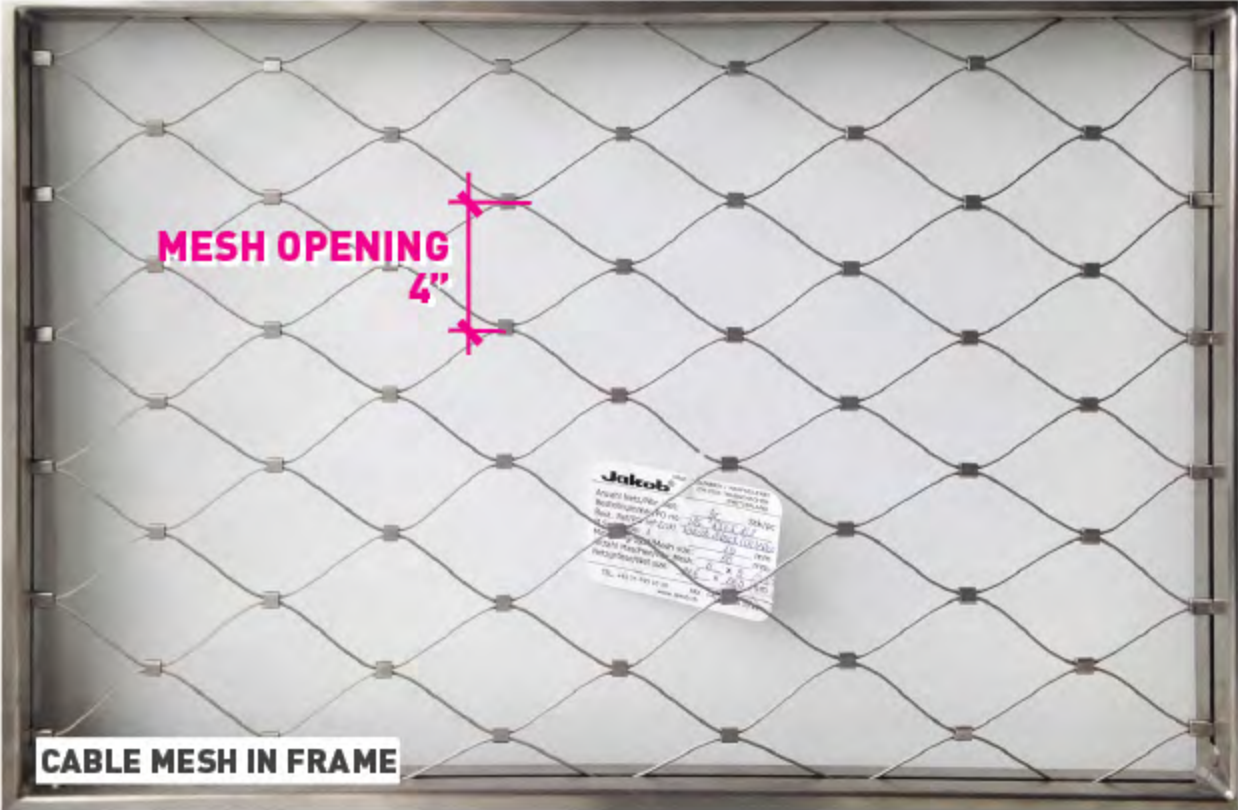
**WATERFRONT RAILING**  
STEEL FRAME





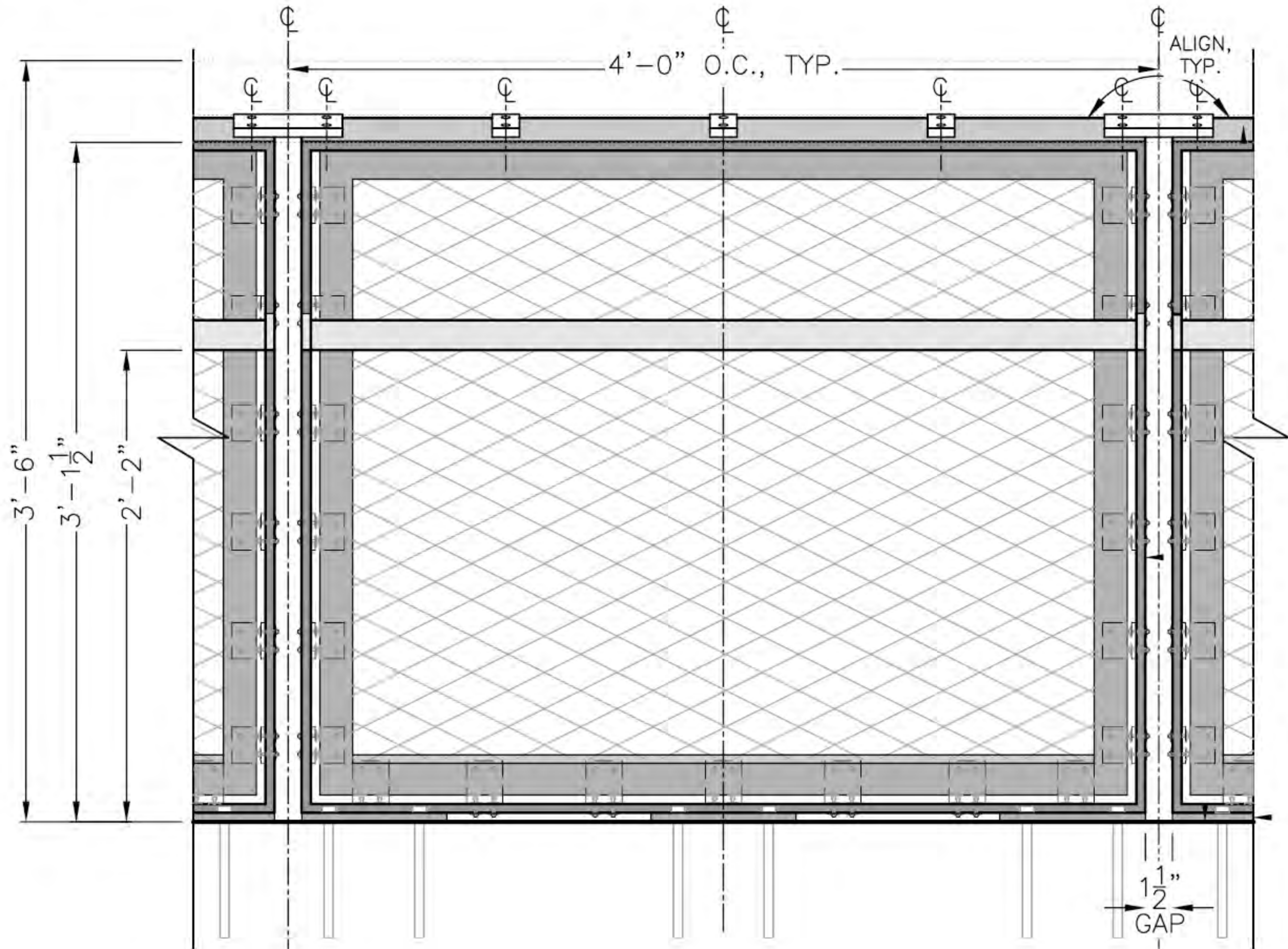
# WATERFRONT RAILING

## MESH INFILL





WATERFRONT RAILING  
MESH INFILL

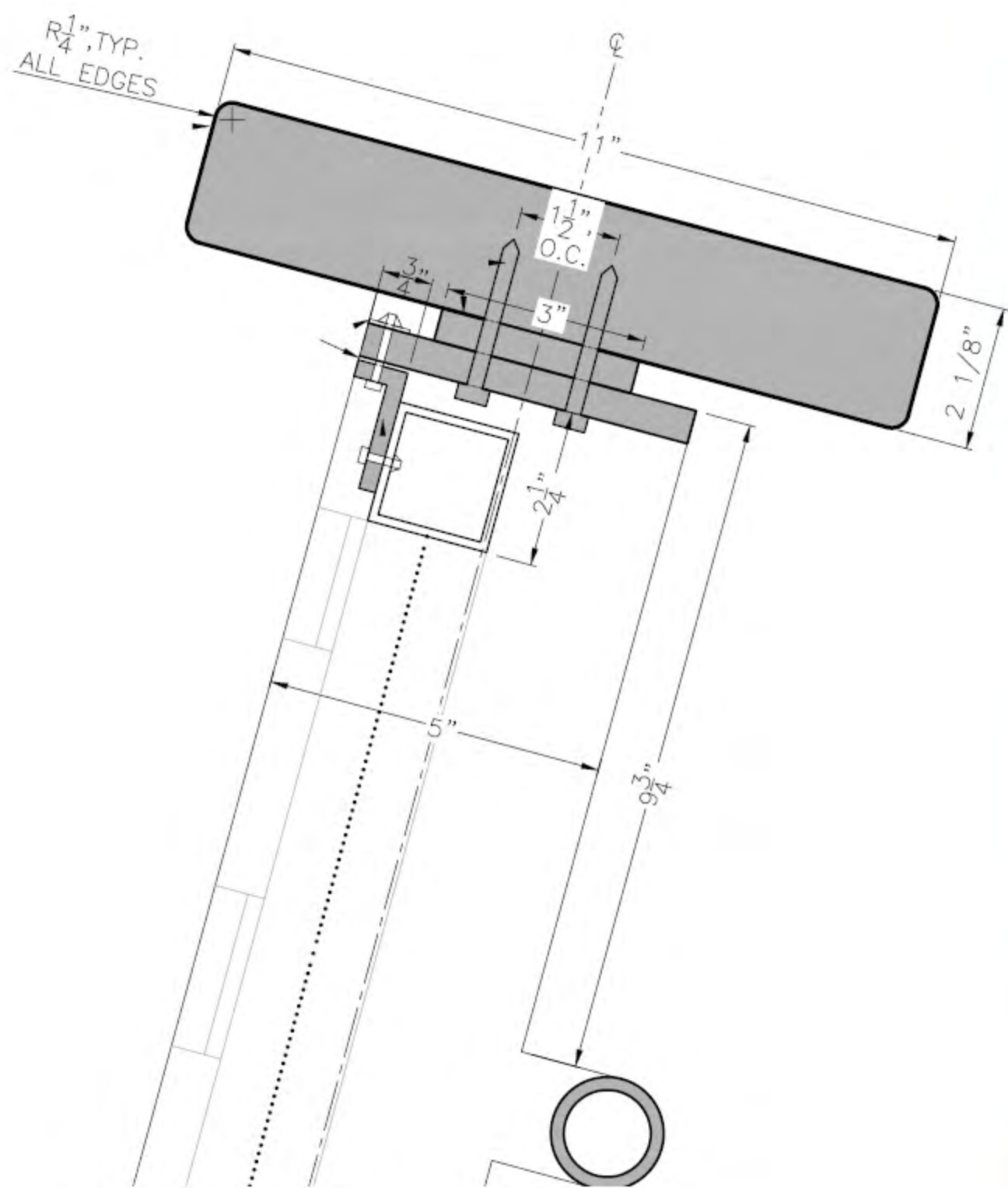


MESH INFILL ELEVATION

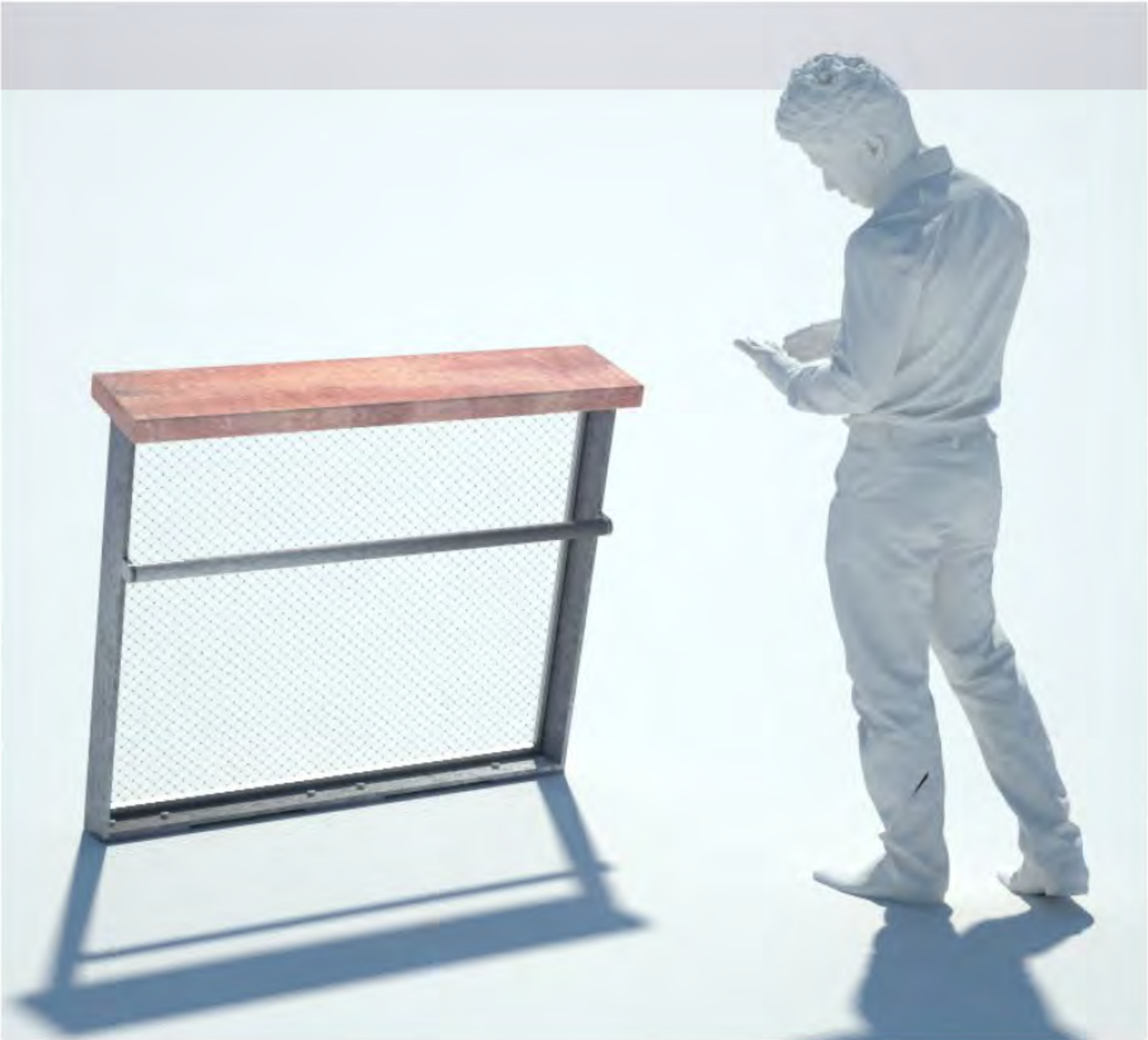


# WATERFRONT RAILING

## TOP RAIL



EKKI WOOD TOP RAIL SECTION









# **WATERFRONT RAILING**

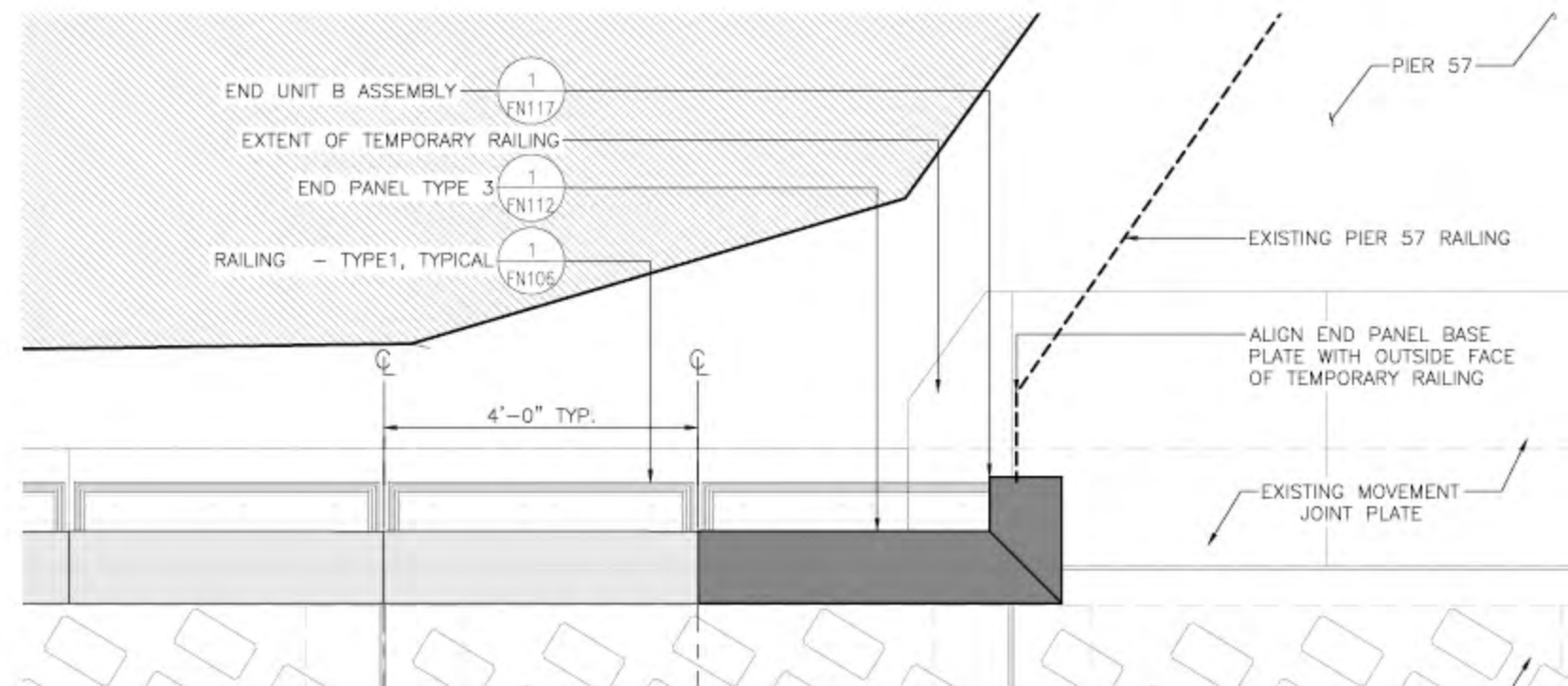
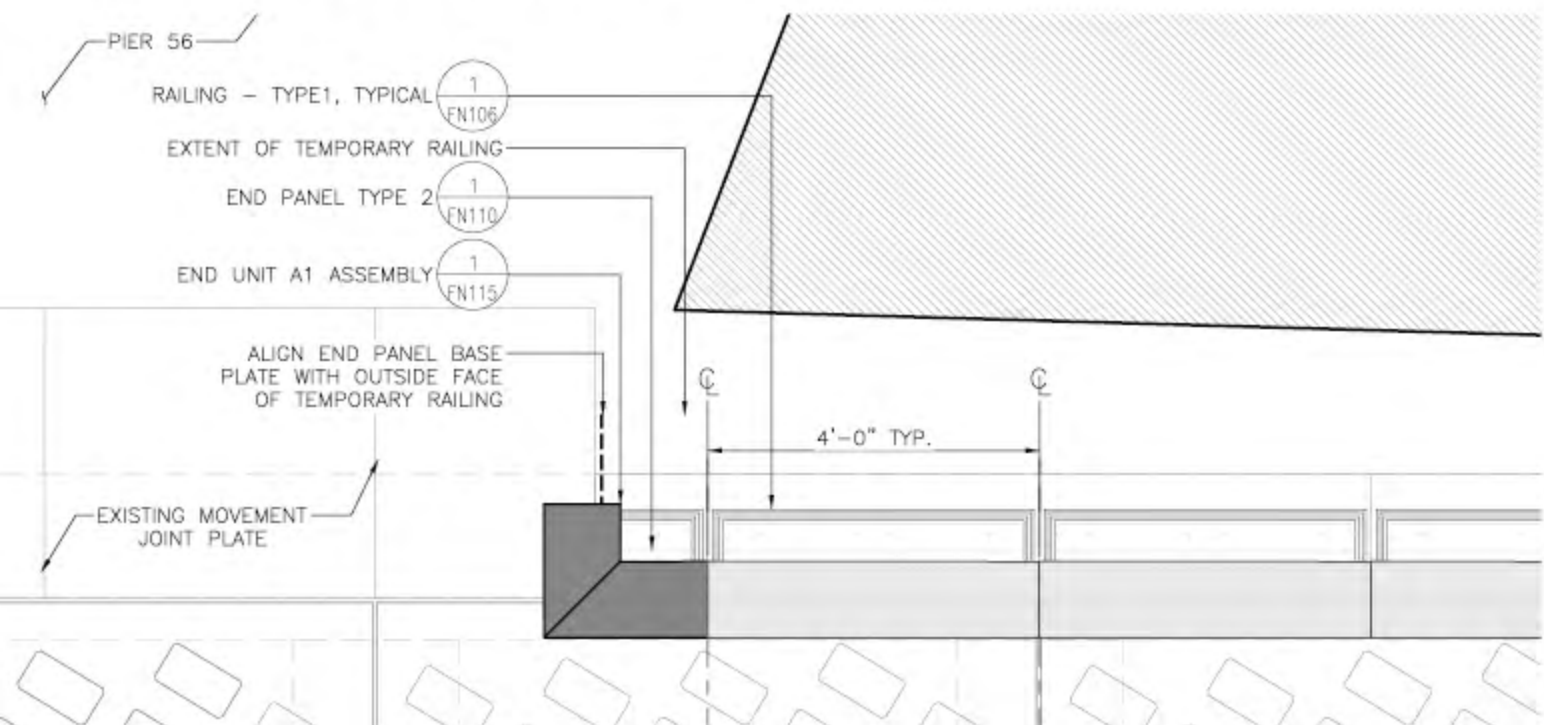
## **EKKI WOOD**





# WATERFRONT RAILING

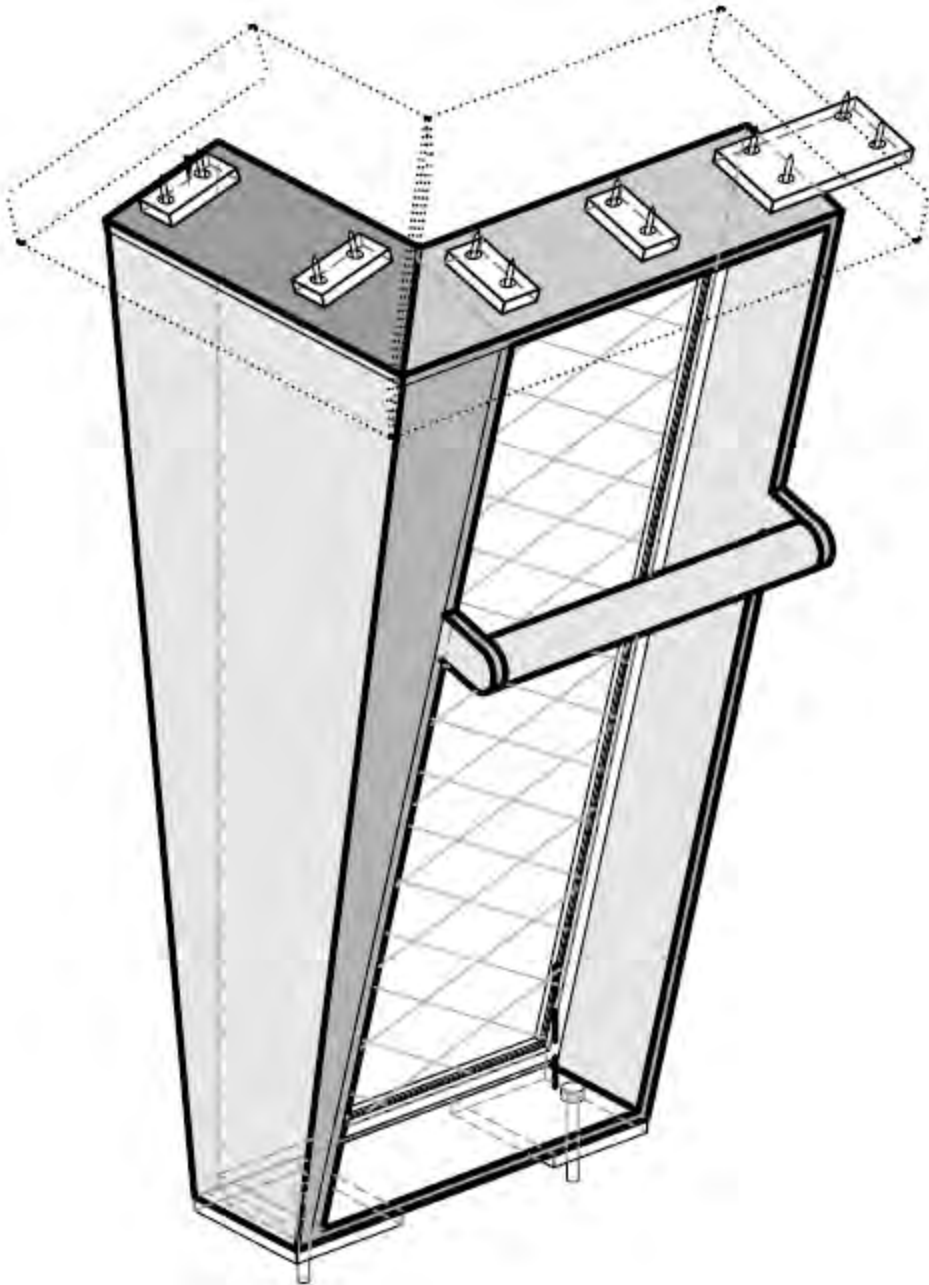
## RAILING CONNECTIONS



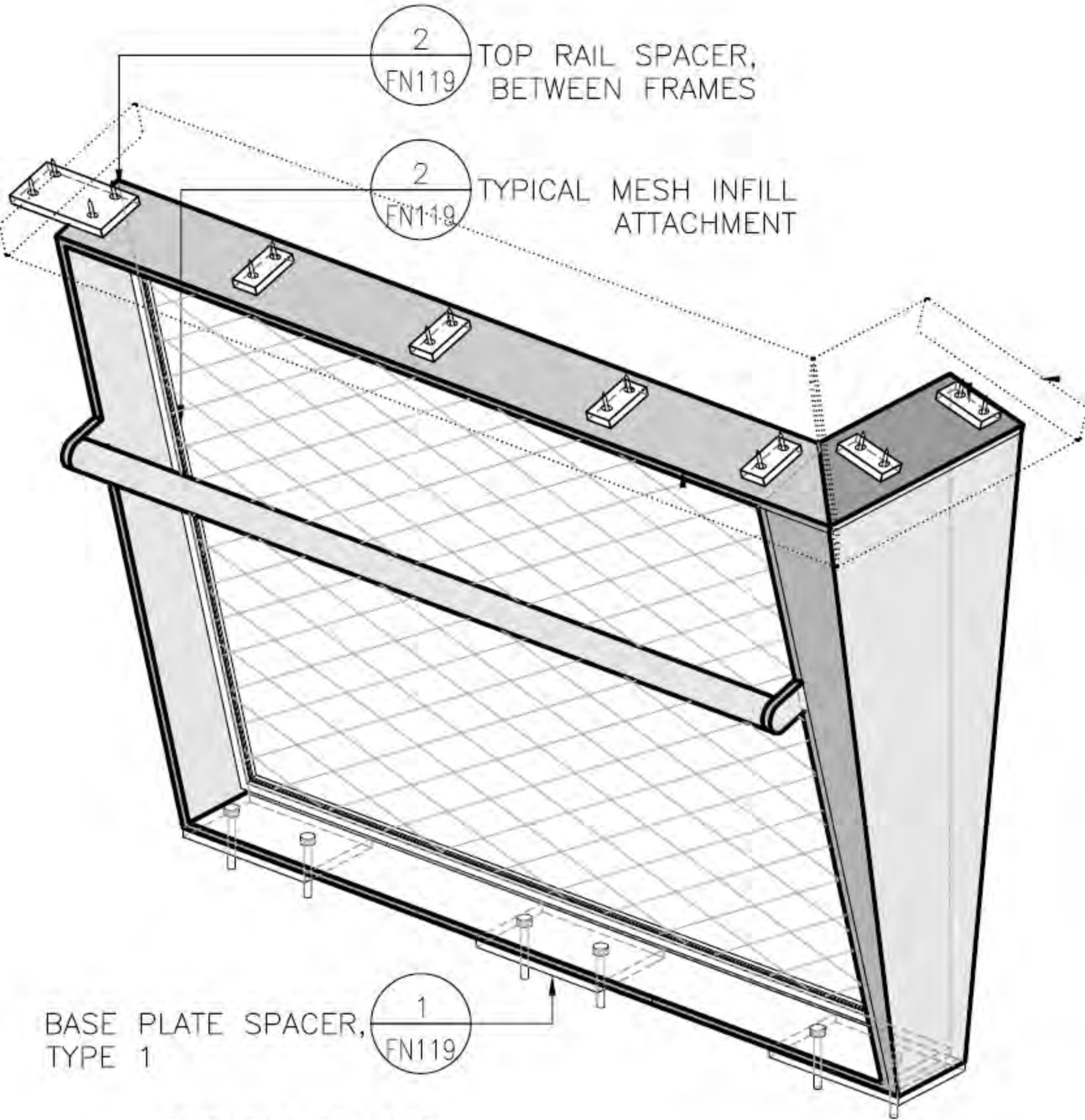


# WATERFRONT RAILING

## RAILING CONNECTIONS



END RAIL SOUTH



END RAIL NORTH



# **WATERFRONT RAILING**

RAILING MOCK UP: PIKE HILL CLIMB





# **WATERFRONT RAILING**

RAILING MOCK UP: PIKE HILL CLIMB





# **WATERFRONT RAILING**

RAILING MOCK UP: PIKE HILL CLIMB





# **WATERFRONT RAILING**

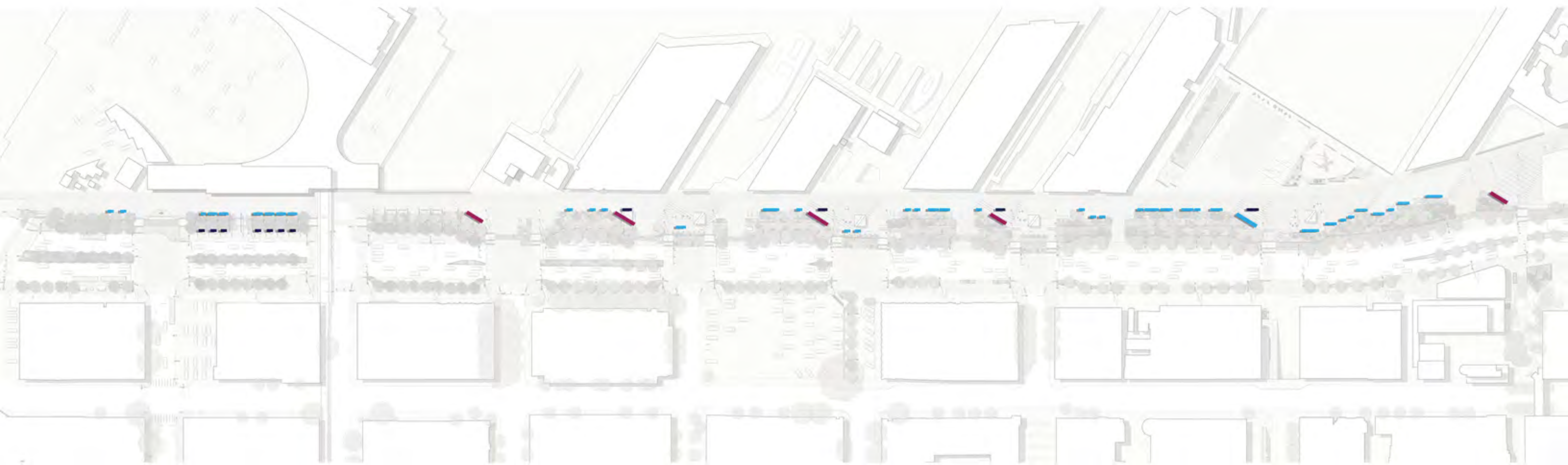
RAILING MOCK UP: PIKE HILL CLIMB





# FURNISHING

## BENCHES



- WATERFRONT RAILING
- BENCHES
- STEEL EDGING
- BOARDWALK
- UTILITY BOLLARDS
- DRINKING FOUNTAINS

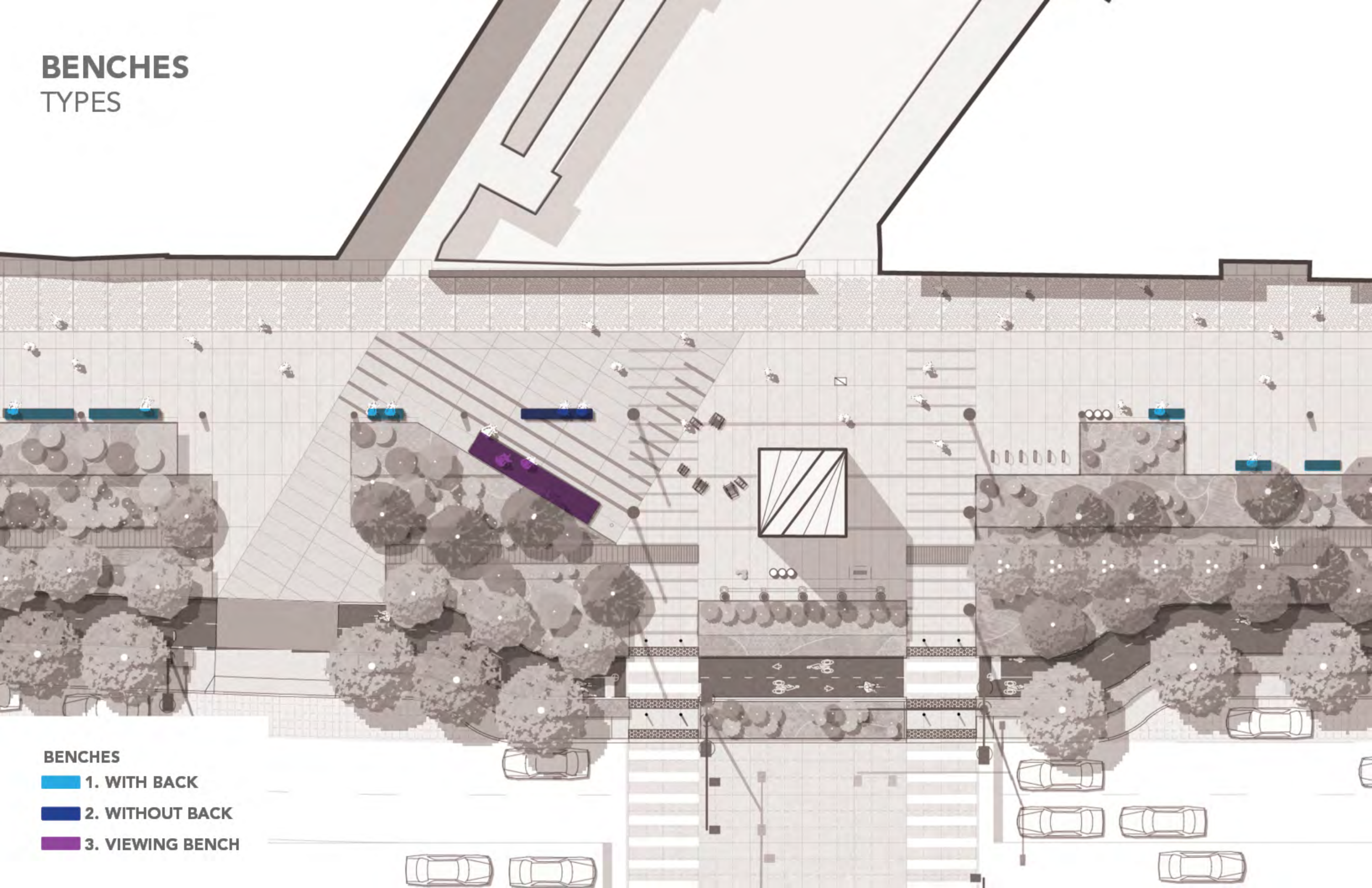
- TRASH CANS
- BIKE RACKS
- BOLLARDS
- TREE PIT GUARDS
- METAL DECKING

- BENCHES**
- 1. WITH BACK
  - 2. WITHOUT BACK
  - 3. VIEWING BENCH



# BENCHES

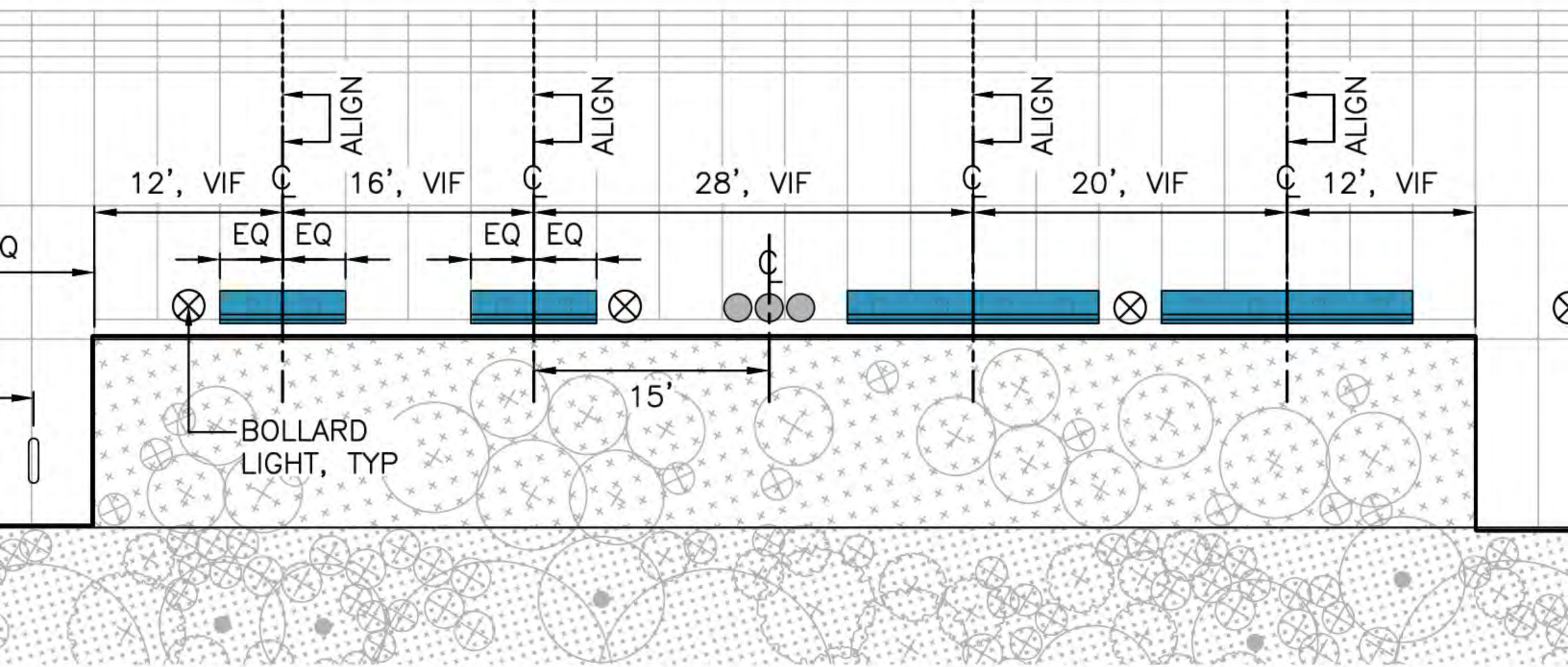
## TYPES



- BENCHES**
- 1. WITH BACK
  - 2. WITHOUT BACK
  - 3. VIEWING BENCH

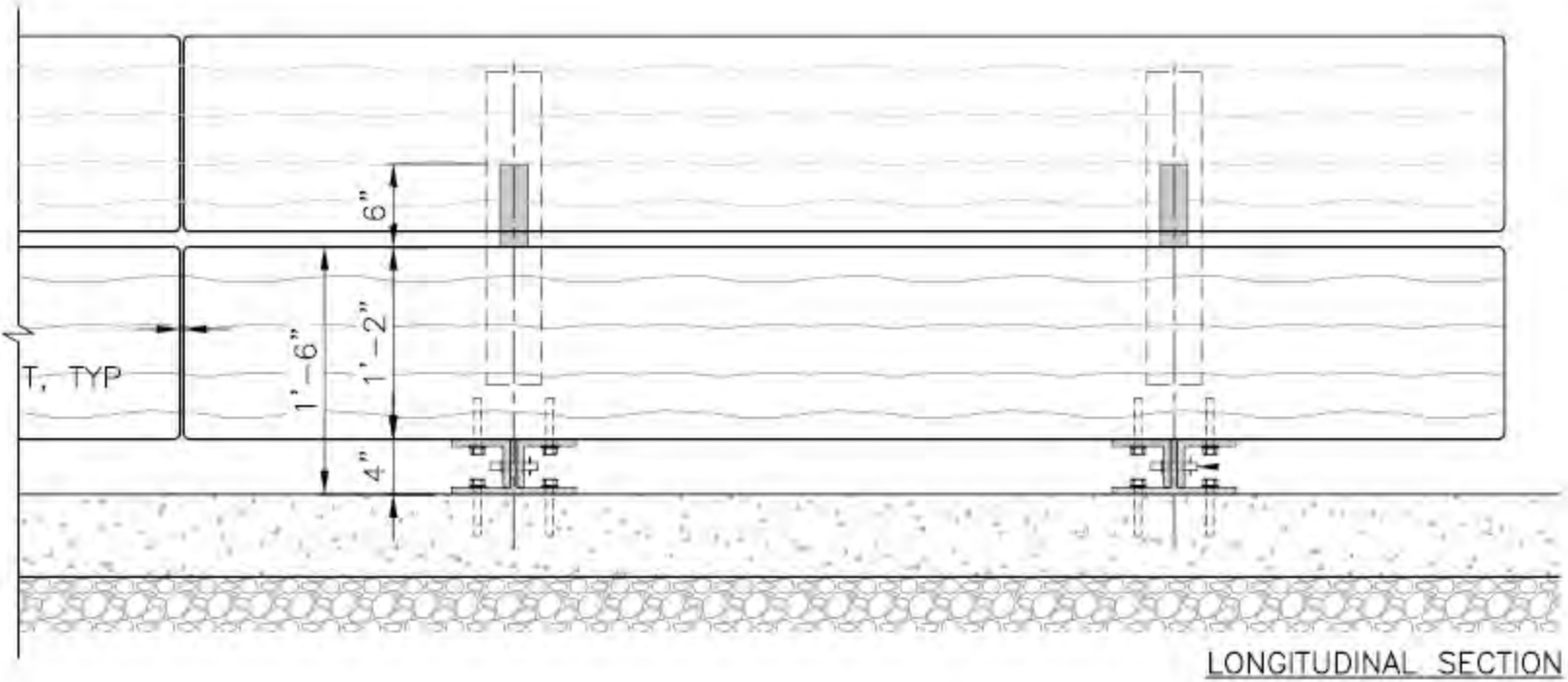
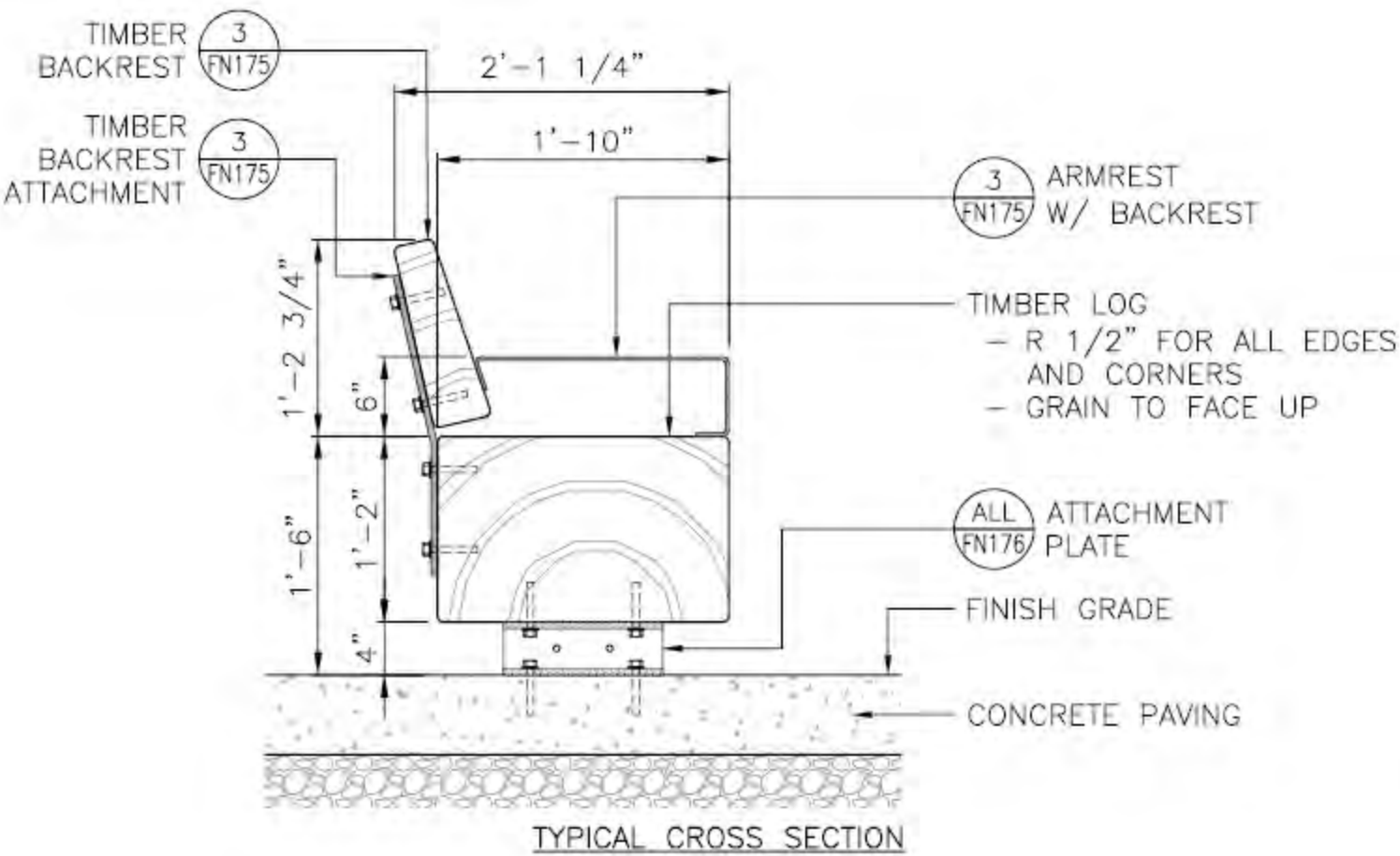


**BENCHES**  
WITH BACK





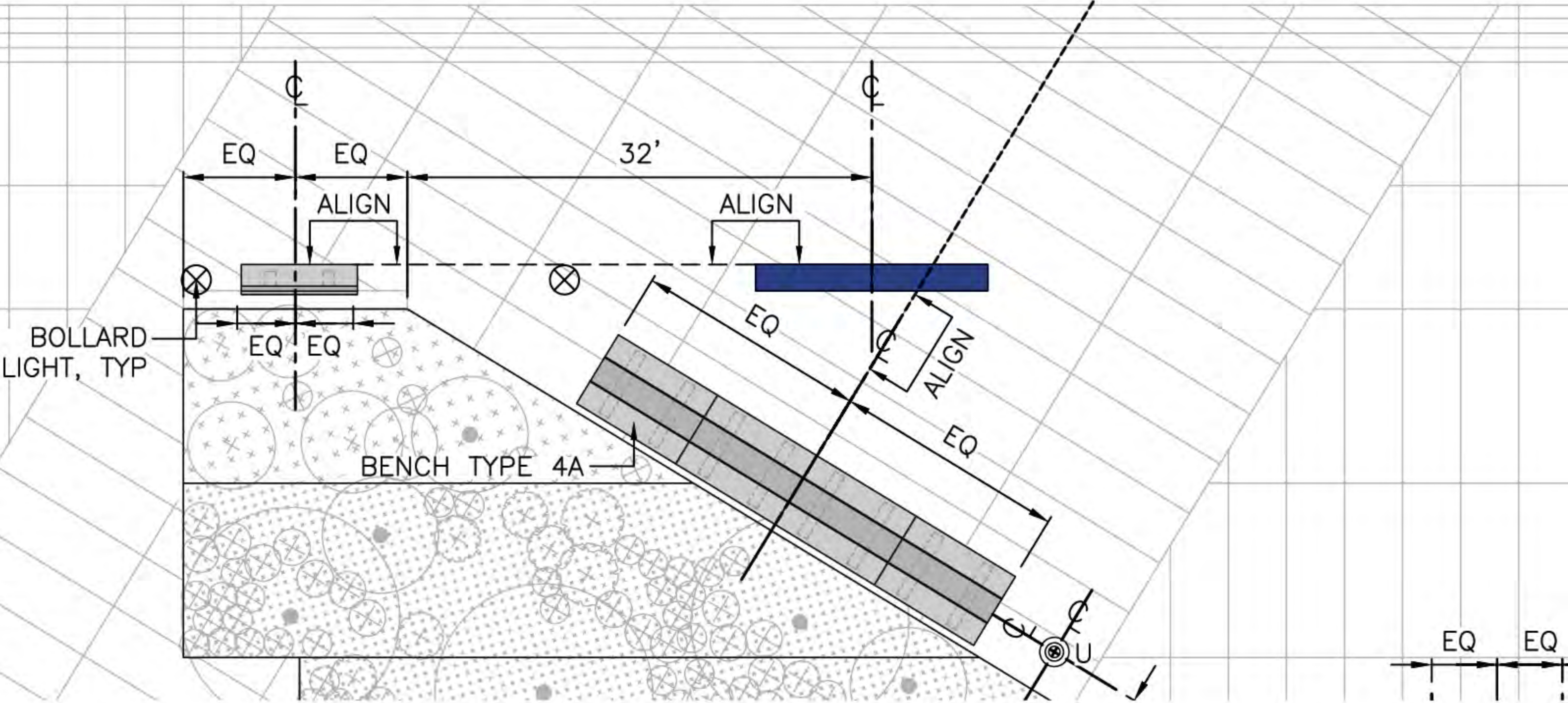
# BENCHES WITH BACK





# BENCHES

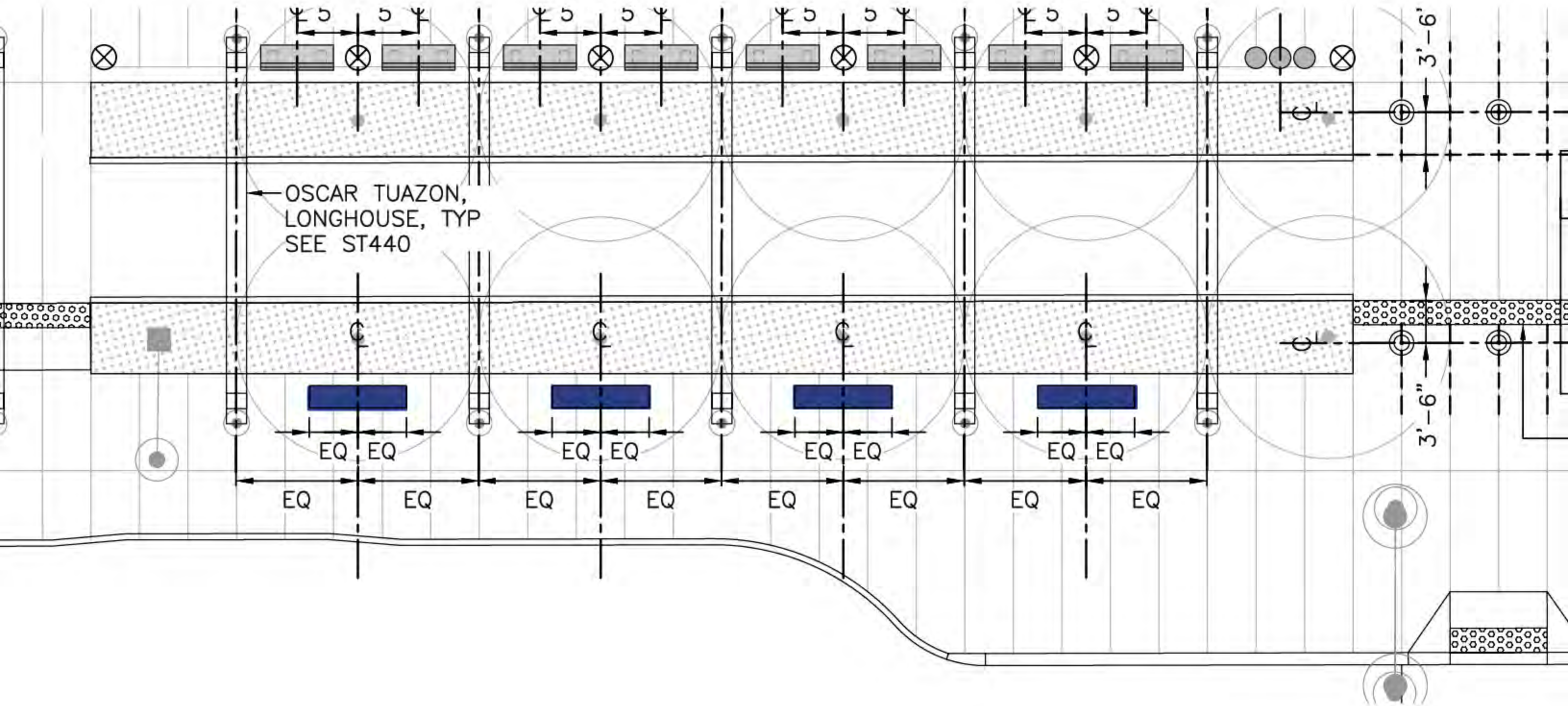
WITHOUT BACK: HISTORIC PIERS





**BENCHES**

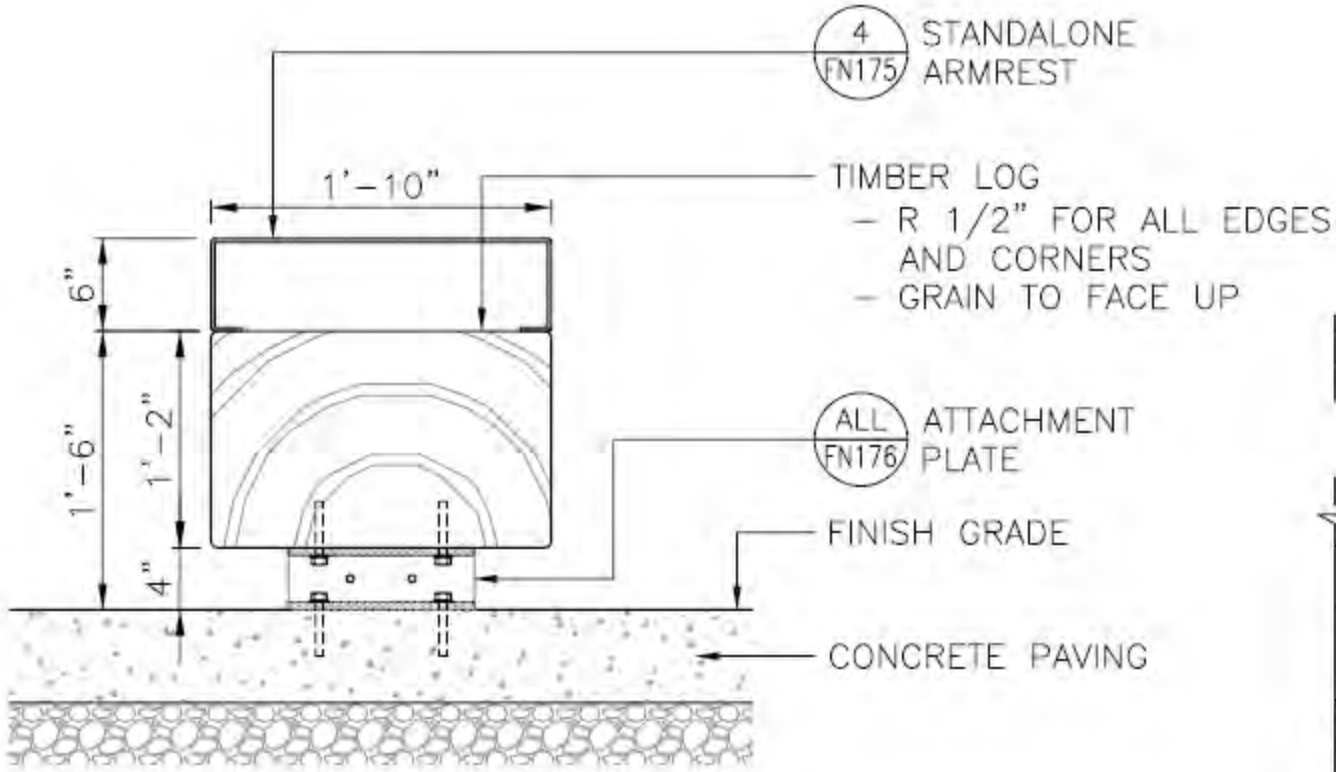
WITHOUT BACK: COLMAN DOCK



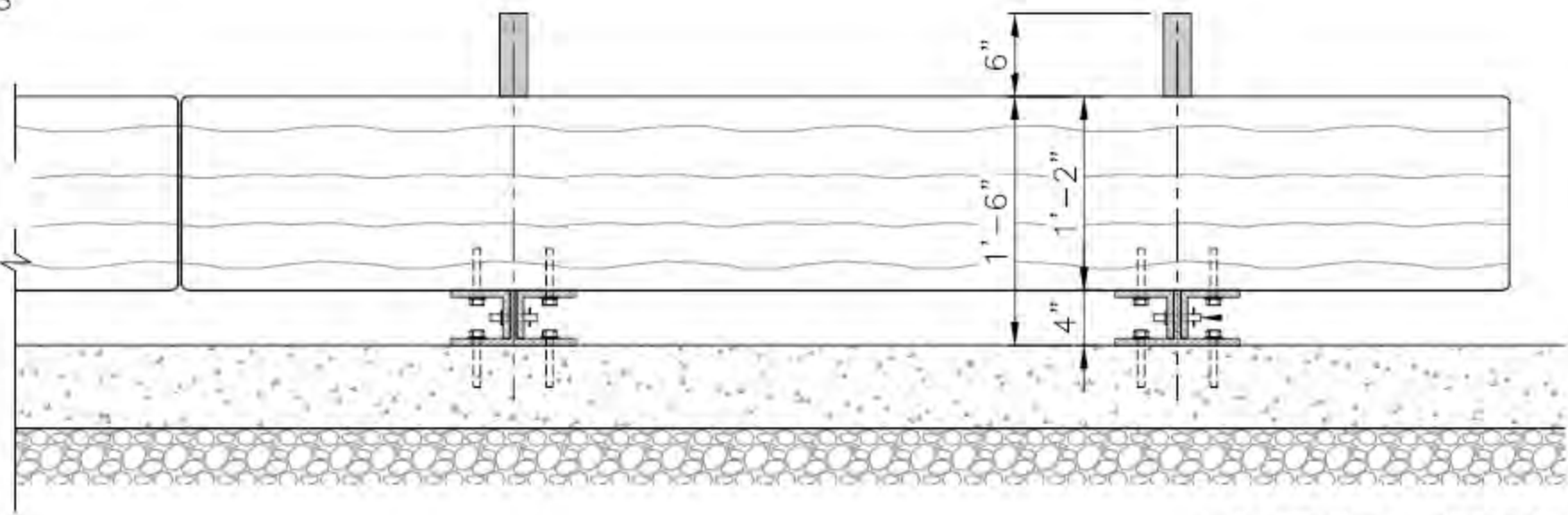


# BENCHES

## WITHOUT BACK



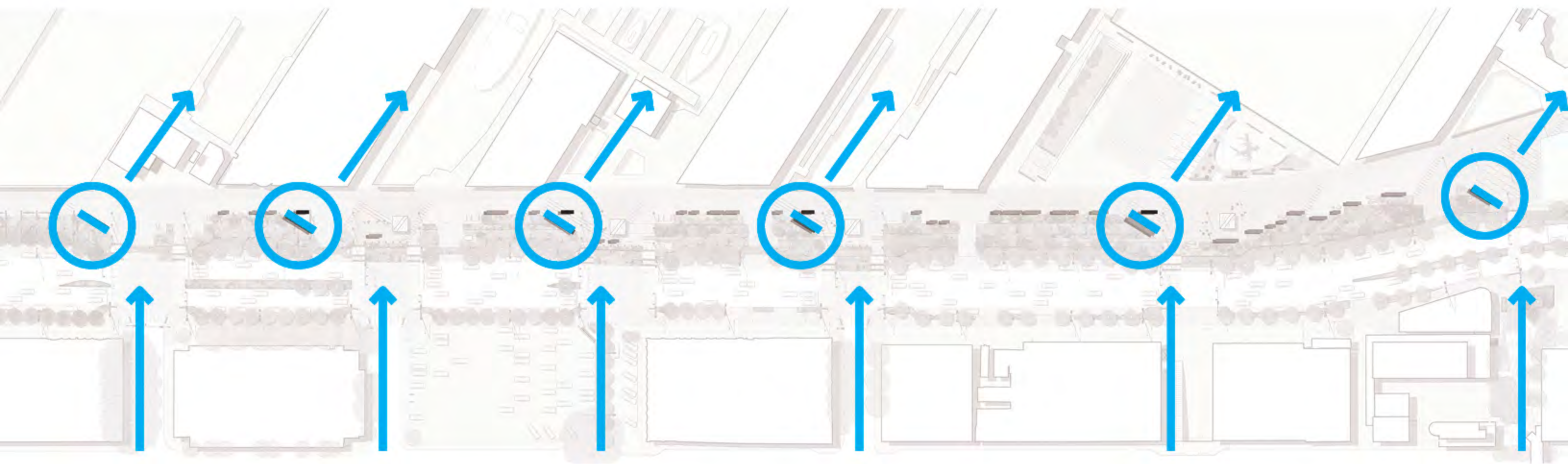
TYPICAL CROSS SECTION



LONGITUDINAL SECTION

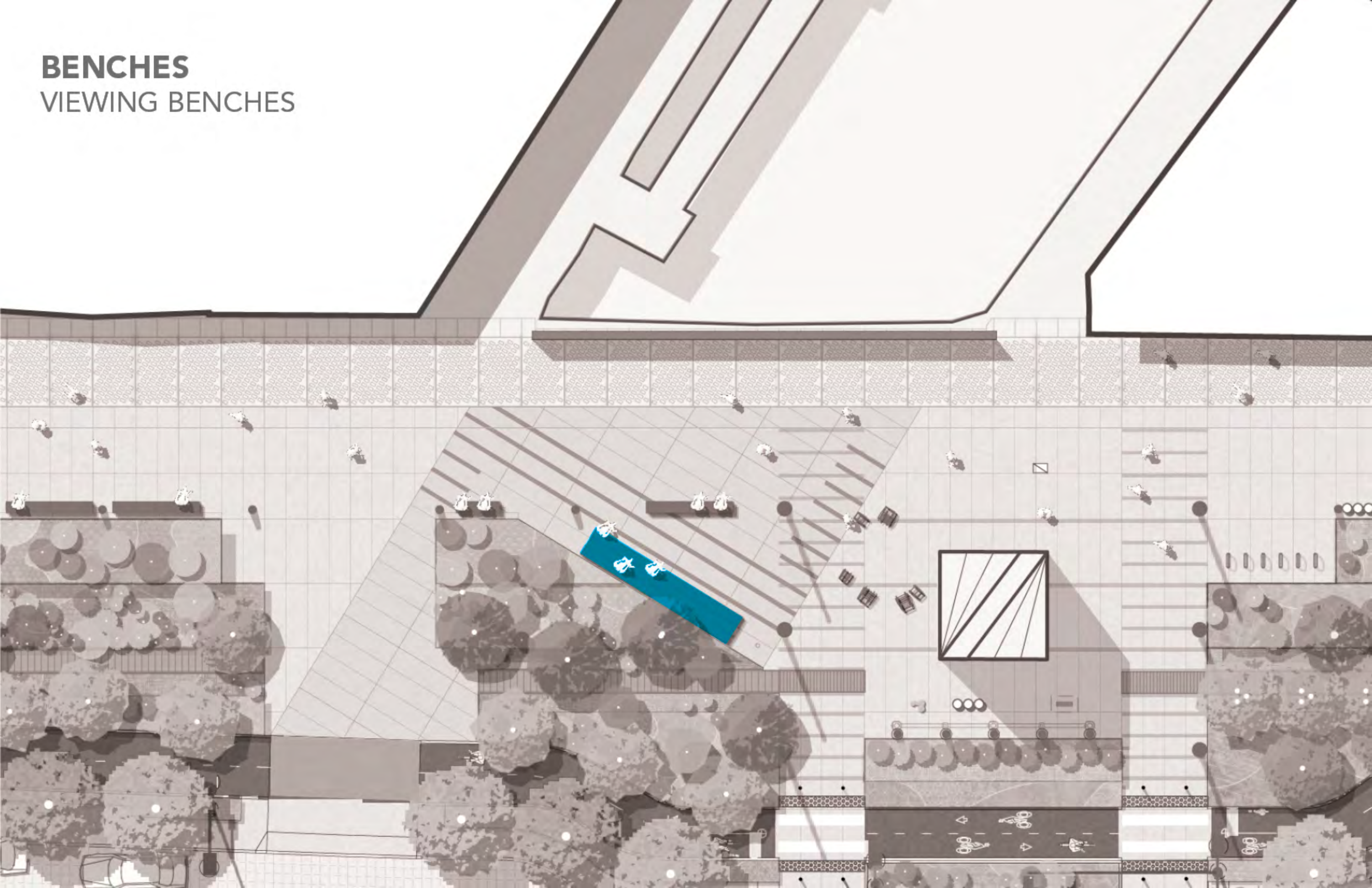


**BENCHES**  
VIEWING BENCHES





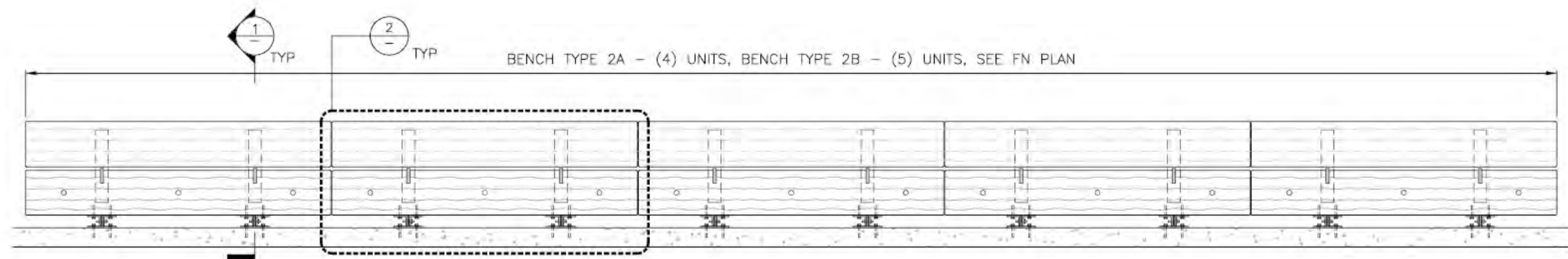
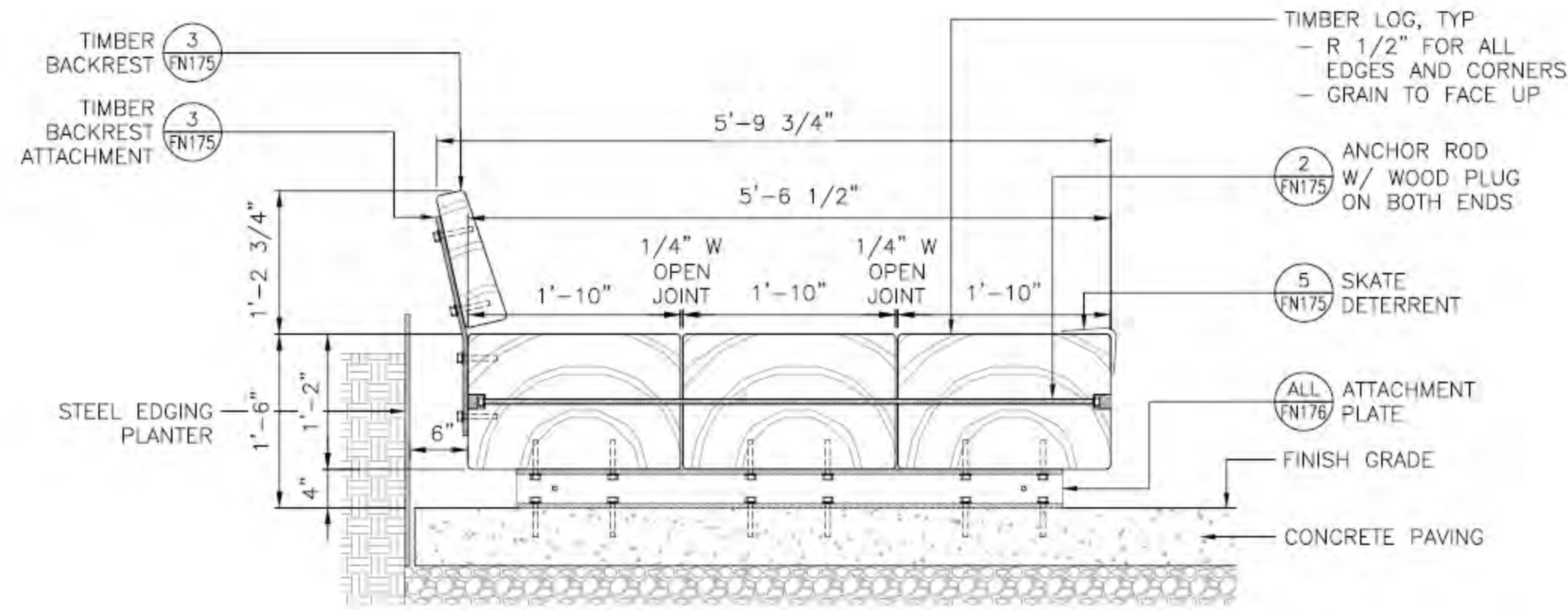
**BENCHES**  
VIEWING BENCHES





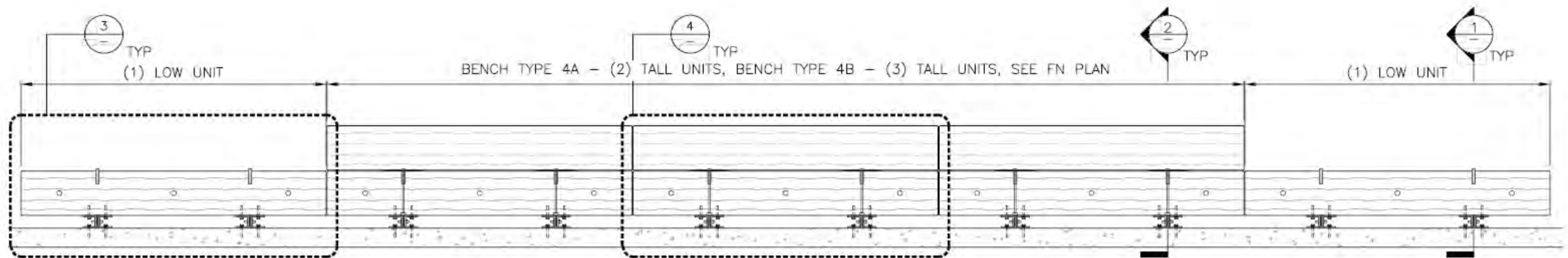
# BENCHES

## VIEWING BENCH: CHAISE





## VIEWING BENCH: ZIGGURAT

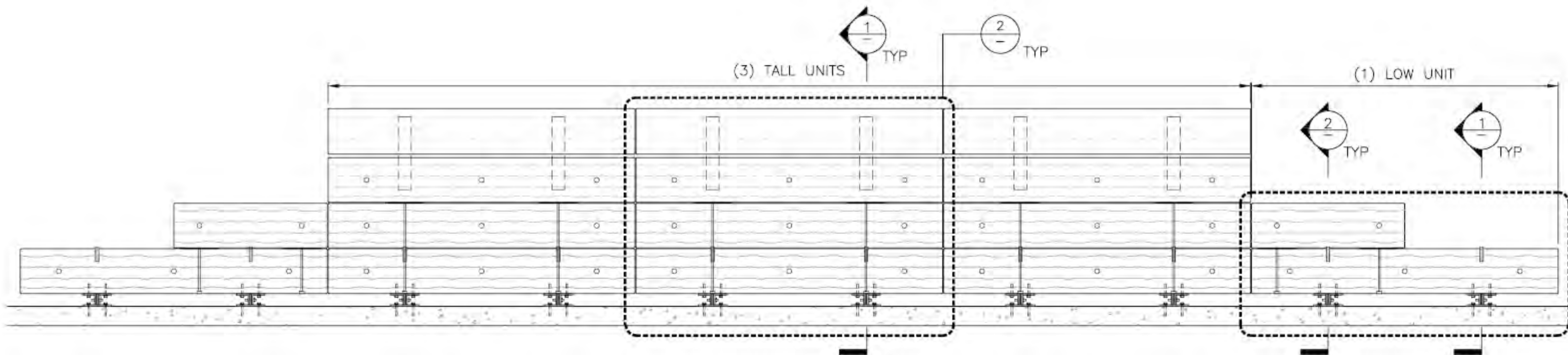




## VIEWING BENCH; STEPPED

TIMBER BACKREST 

TIMBER BACKREST ATTACHMENT 





# BENCHES MATERIALS



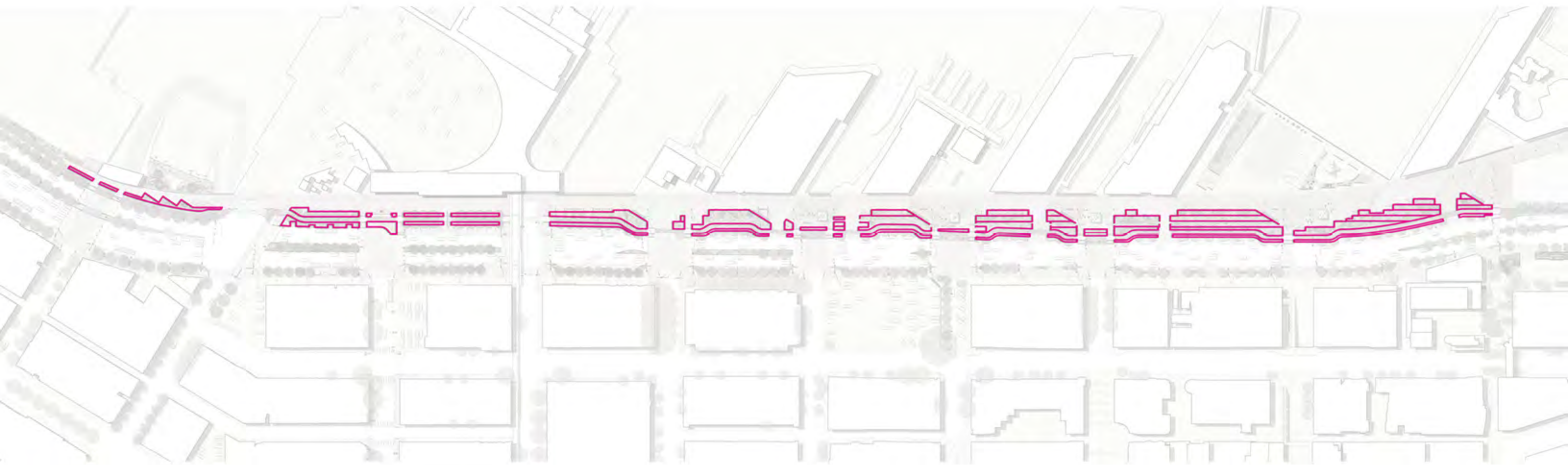


# BENCHES VIEW





**FURNISHING**  
STEEL EDGING

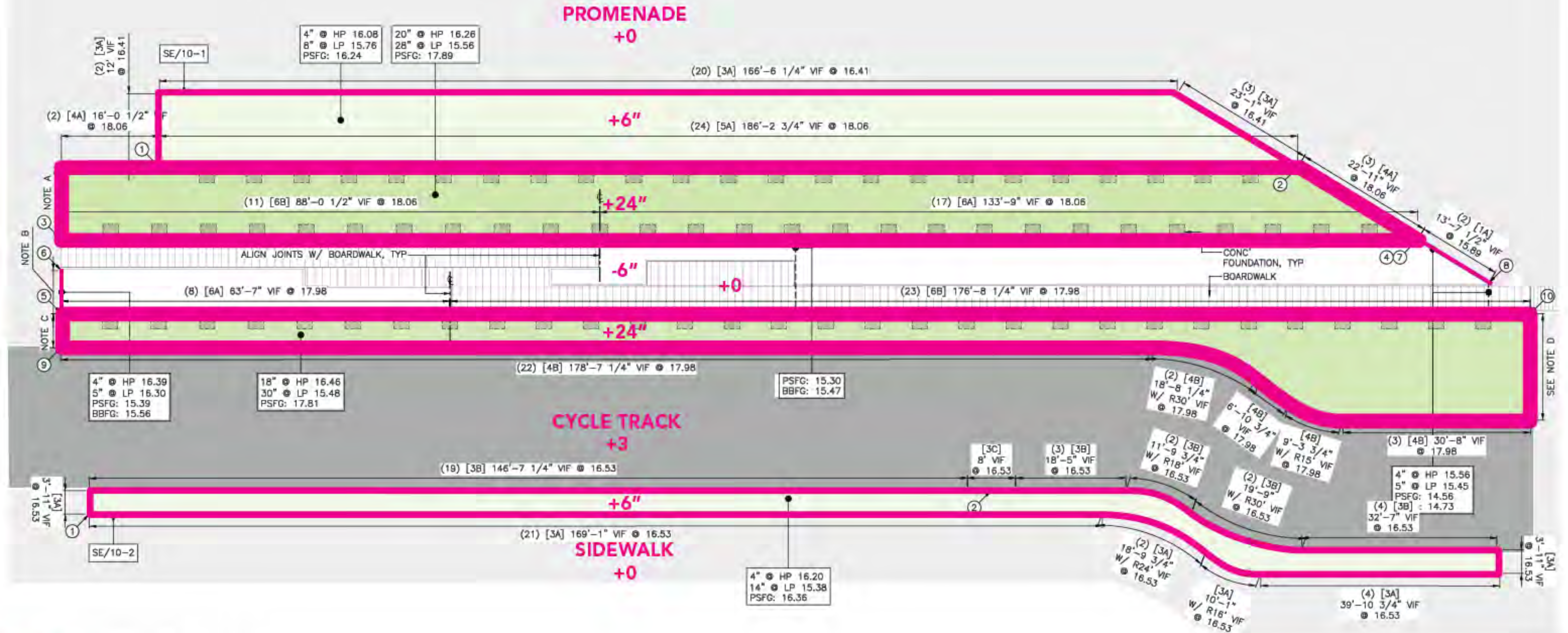


- WATERFRONT RAILING
- BENCHES
- STEEL EDGING**
- BOARDWALK
- UTILITY BOLLARDS
- DRINKING FOUNTAINS

- TRASH CANS
- BIKE RACKS
- BOLLARDS
- TREE PIT GUARDS
- METAL DECKING



## STEEL EDGING LAYOUT

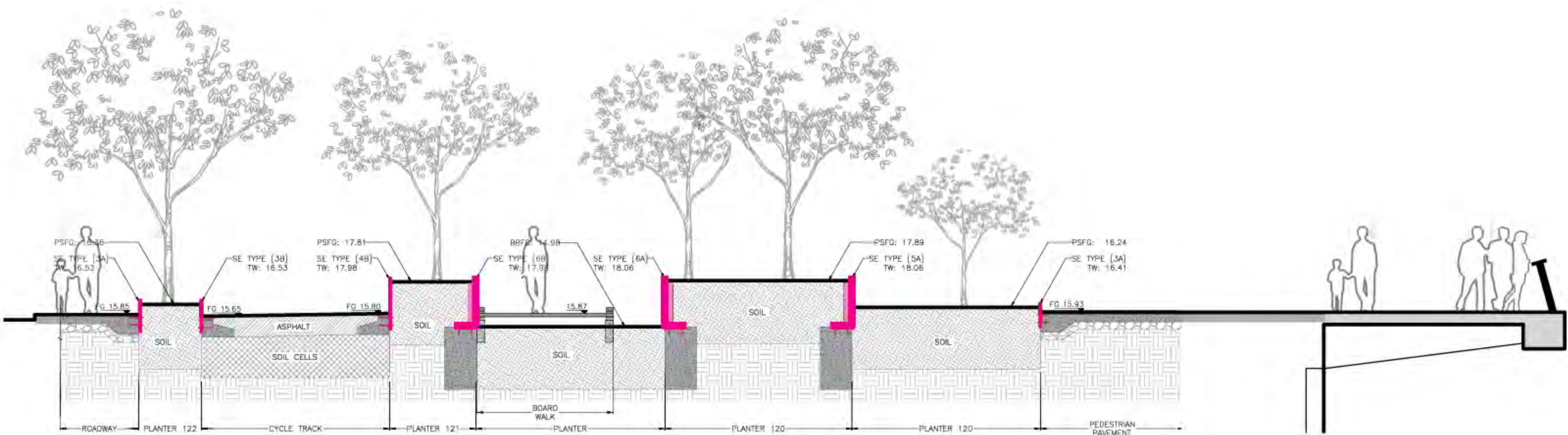


**LOW STEEL EDGING**

**HIGH STEEL EDGING**



# STEEL EDGING LAYOUT



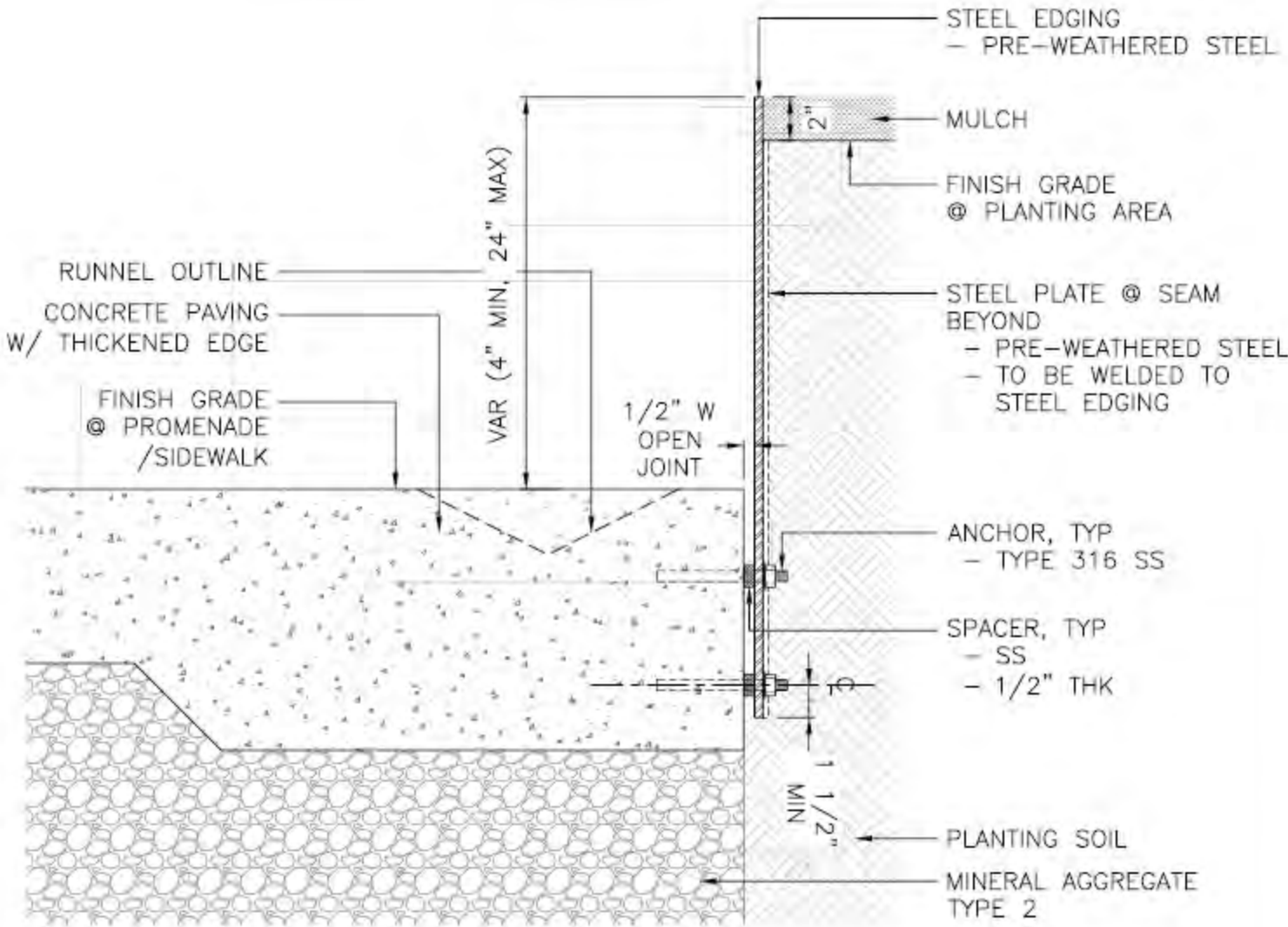
LOW STEEL EDGING

HIGH STEEL EDGING

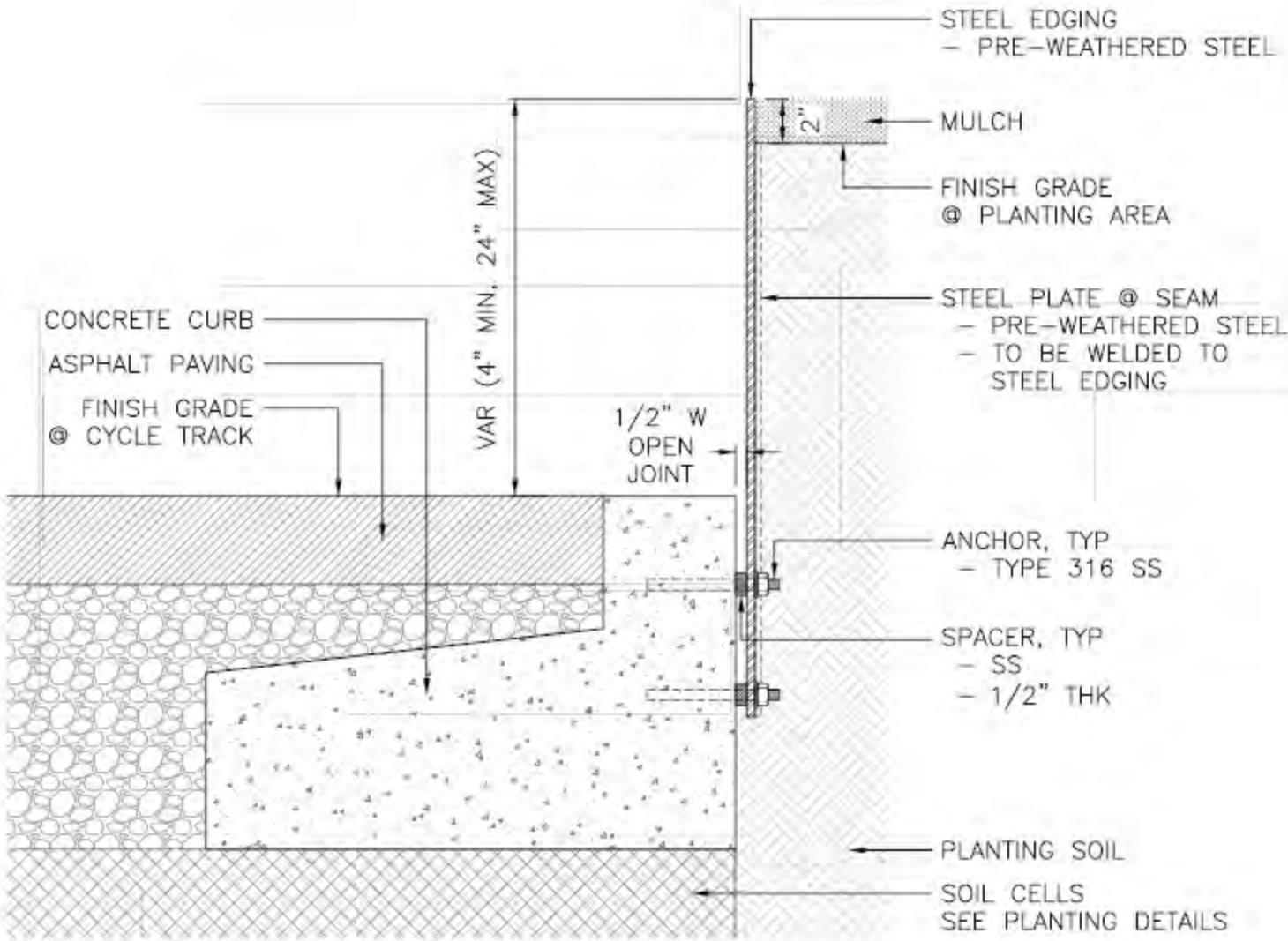


# STEEL EDGING

6-18" TALL



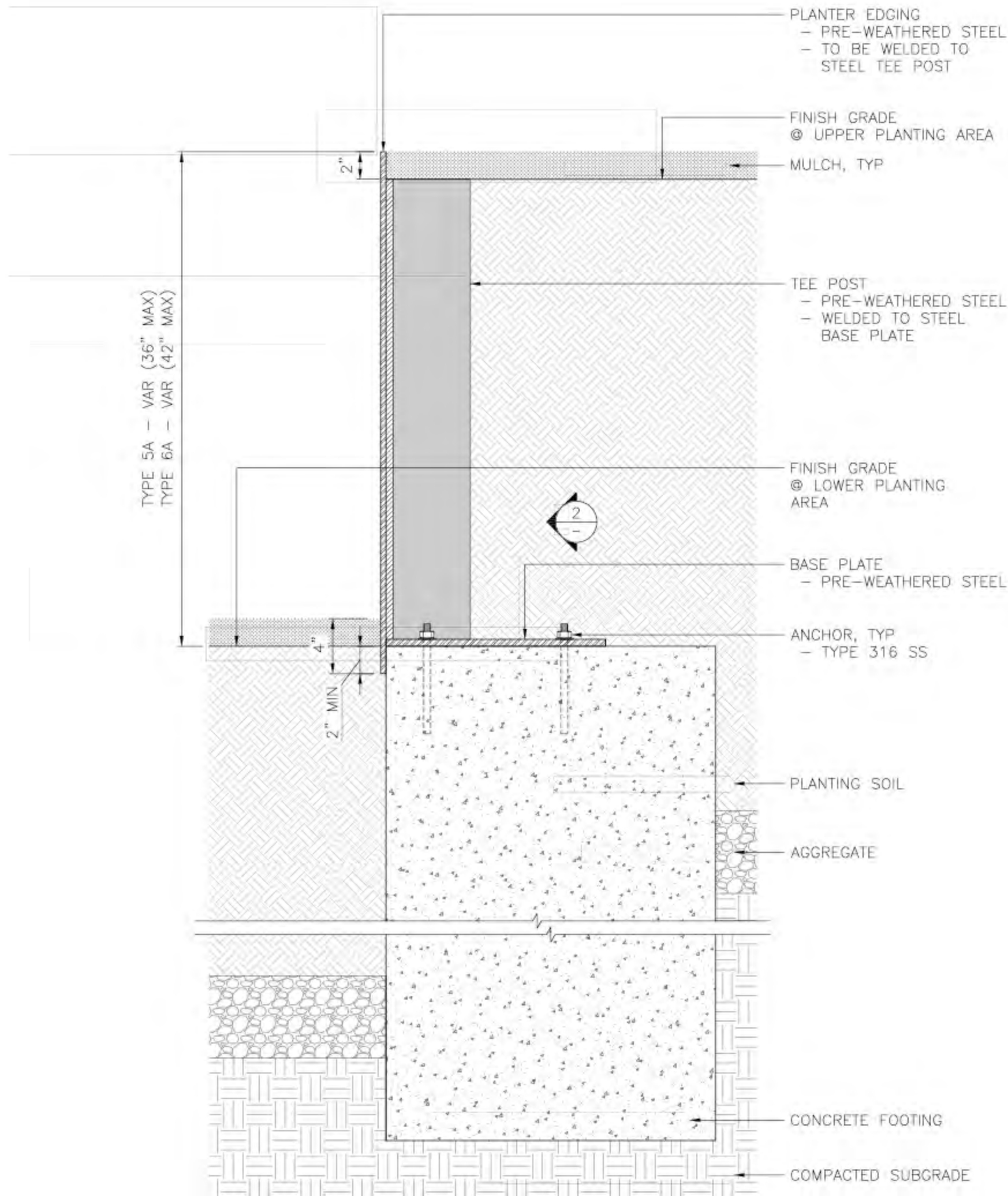
STEEL EDGING AT PROMENADE EDGE



STEEL EDGING AT BIKE FACILITY EDGE



STEEL EDGING  
18-42" TALL





# STEEL EDGING

6-18" TALL





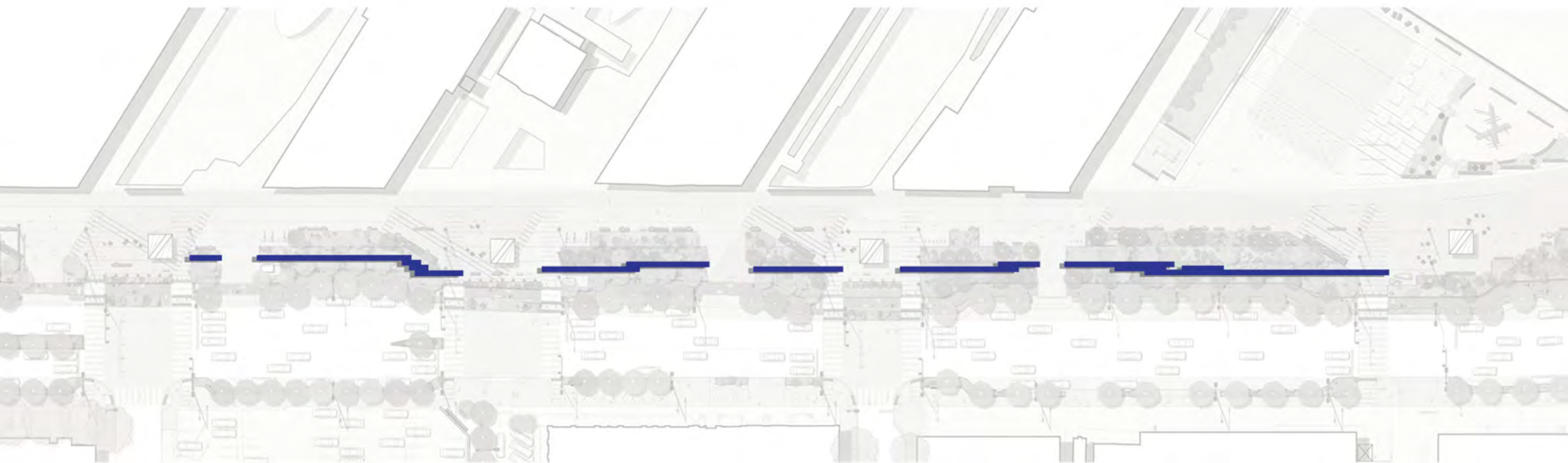
# STEEL EDGING

18-42" TALL





# FURNISHING BOARDWALK



TREE PIT GUARD

GSI + METAL DECK

BOLLARDS

STEEL EDGING

BOARDWALK

BENCHES

HISTORIC BALUSTRADE

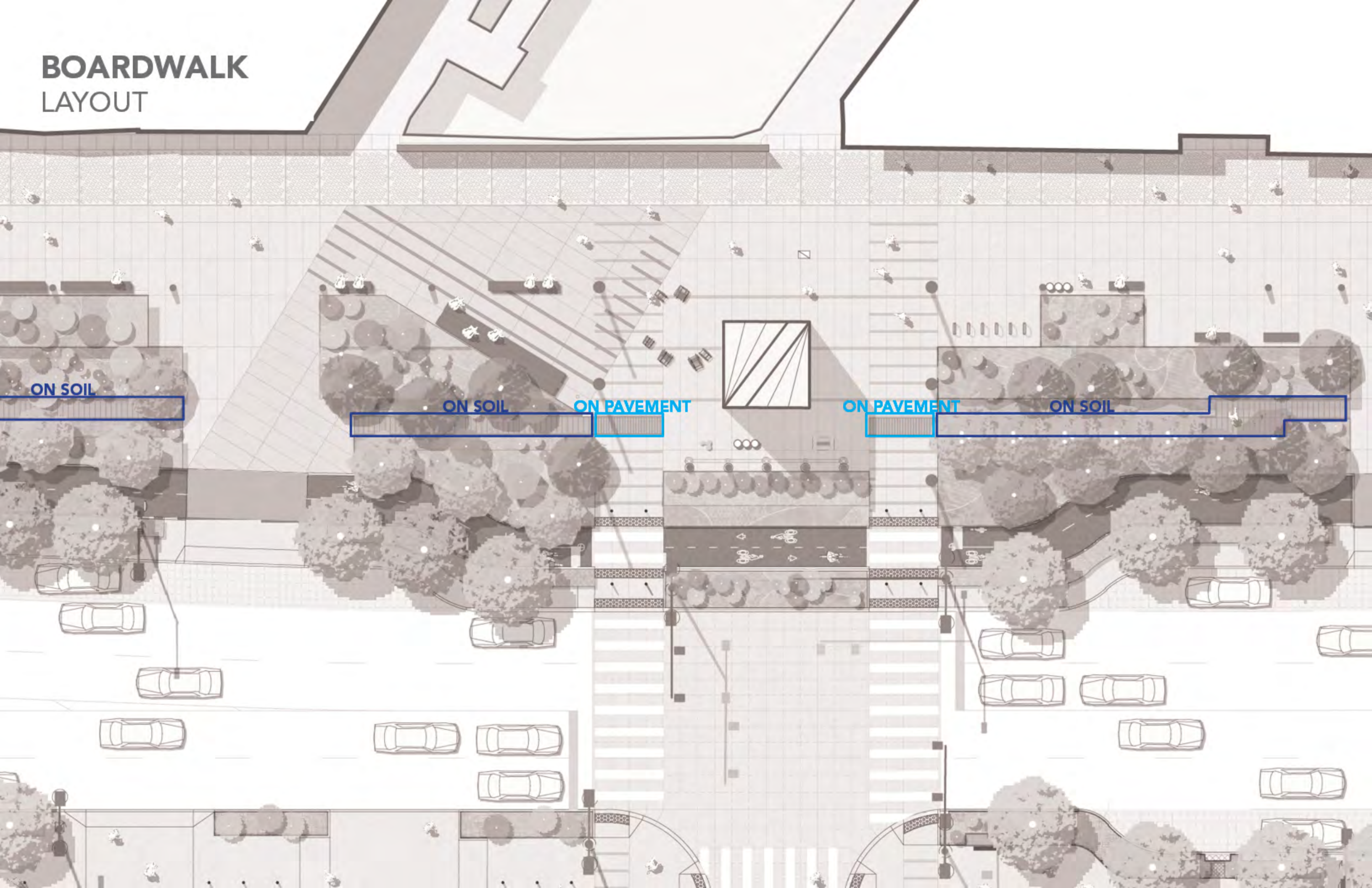
WATERFRONT RAILING

DRINKING FOUNTAINS

BIKE RACKS

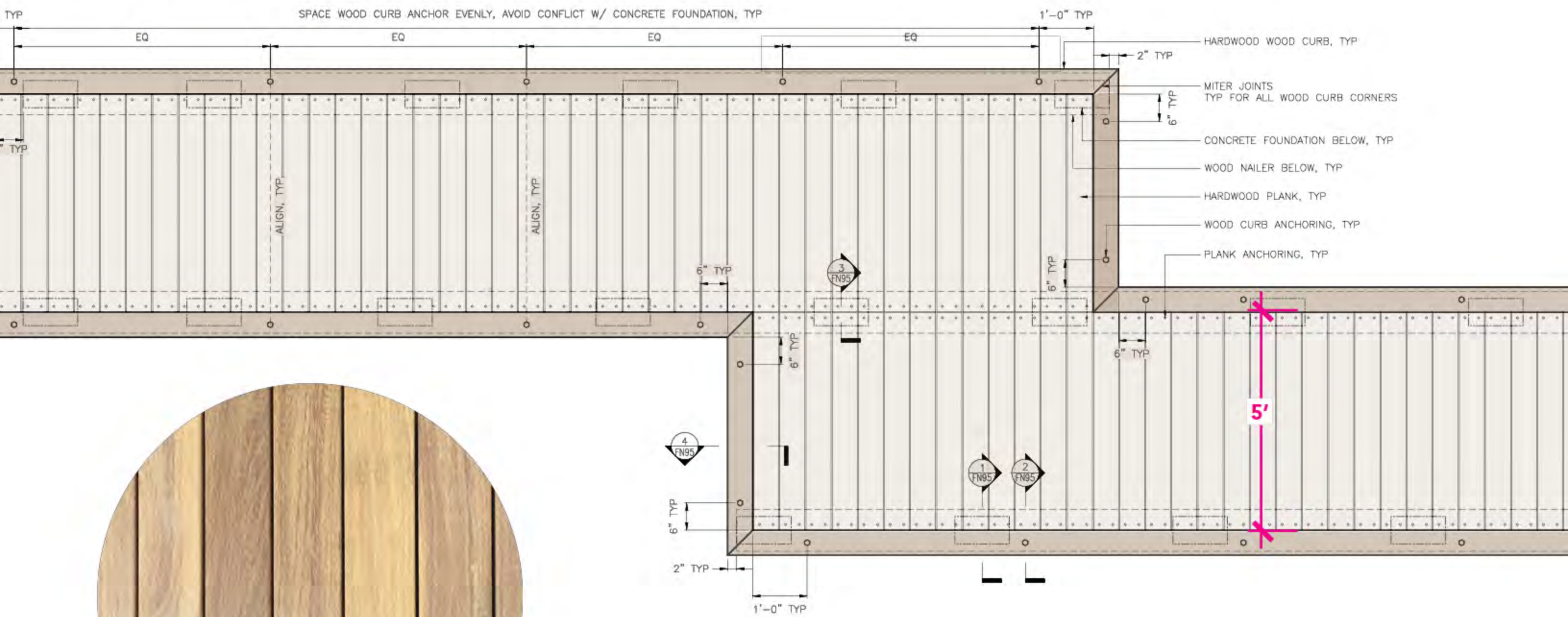


# BOARDWALK LAYOUT





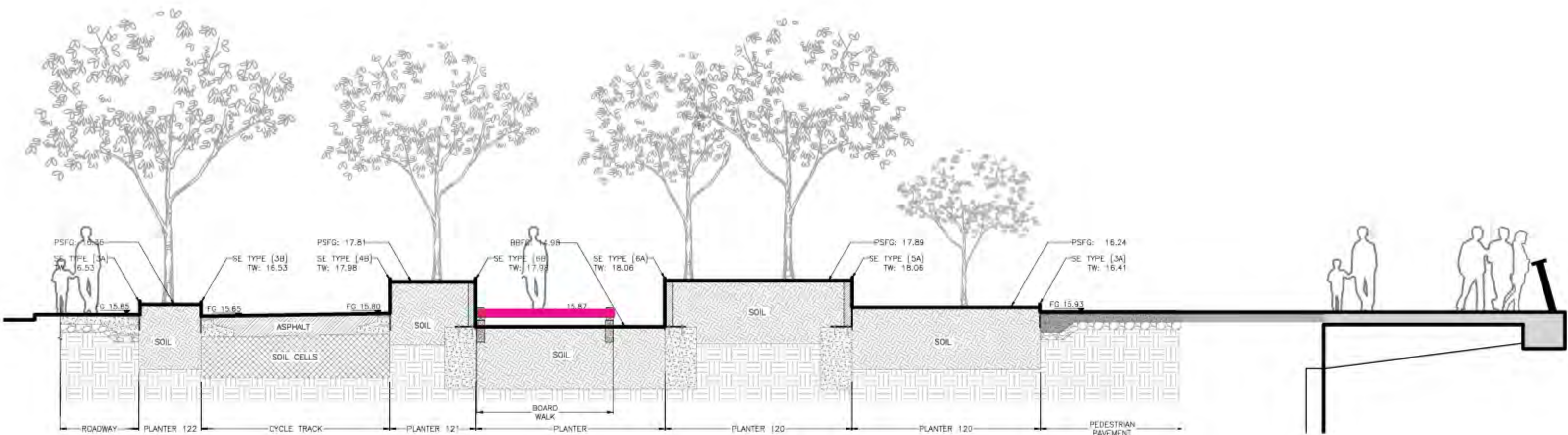
# BOARDWALK LAYOUT + MATERIAL



CUMARU 2X4



# BOARDWALK LAYOUT

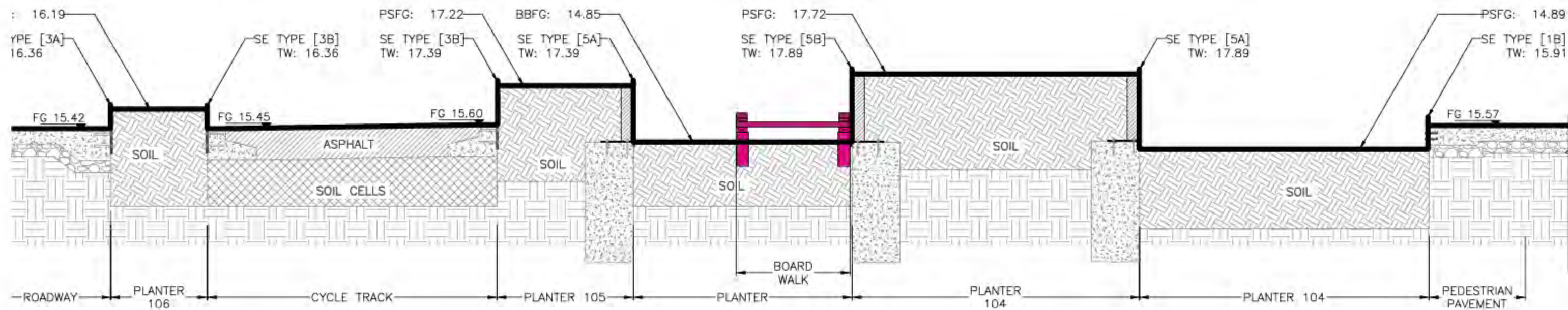
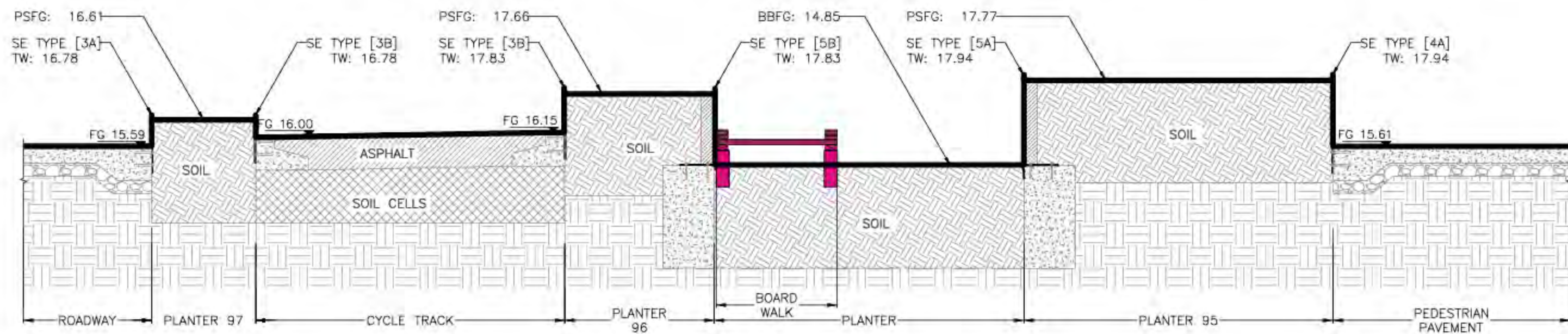
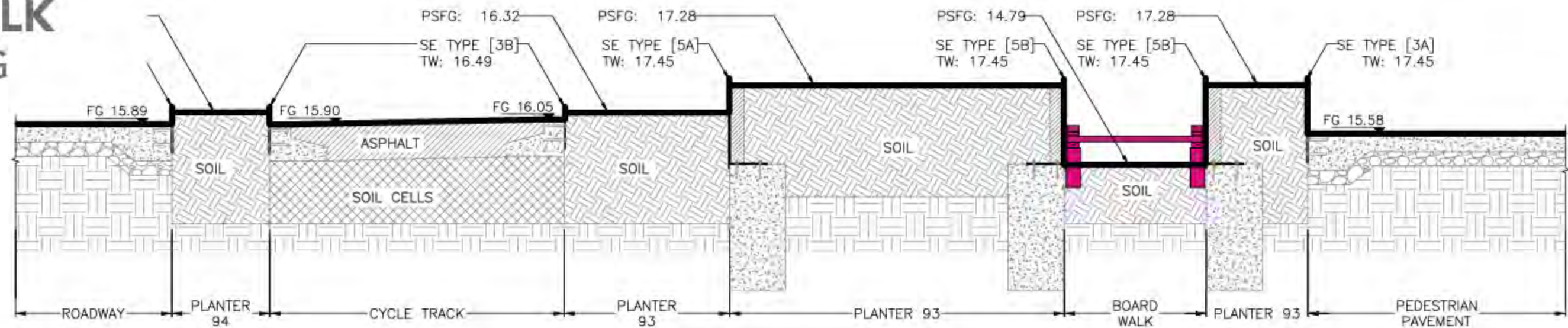


## LEGEND

 BOARDWALK

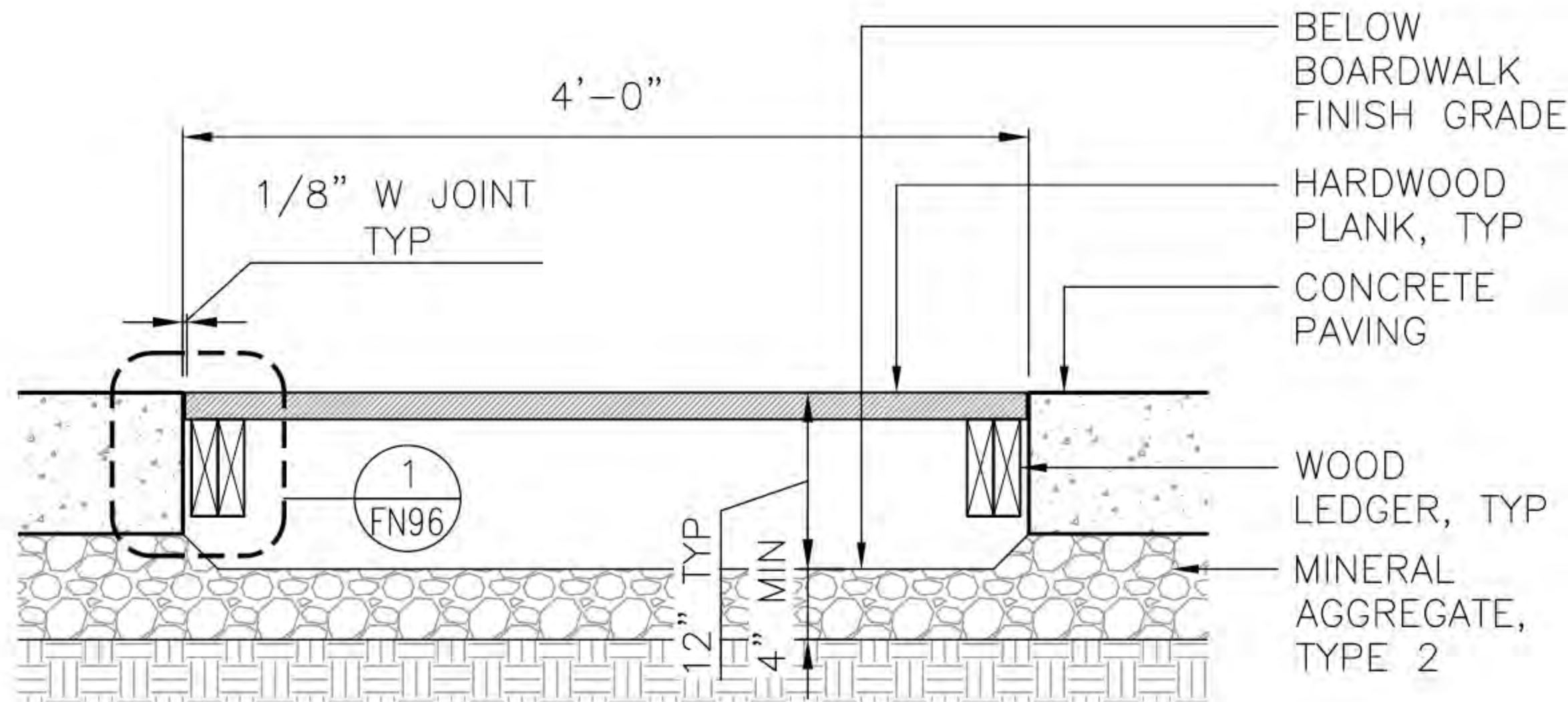


# BOARDWALK IN PLANTING

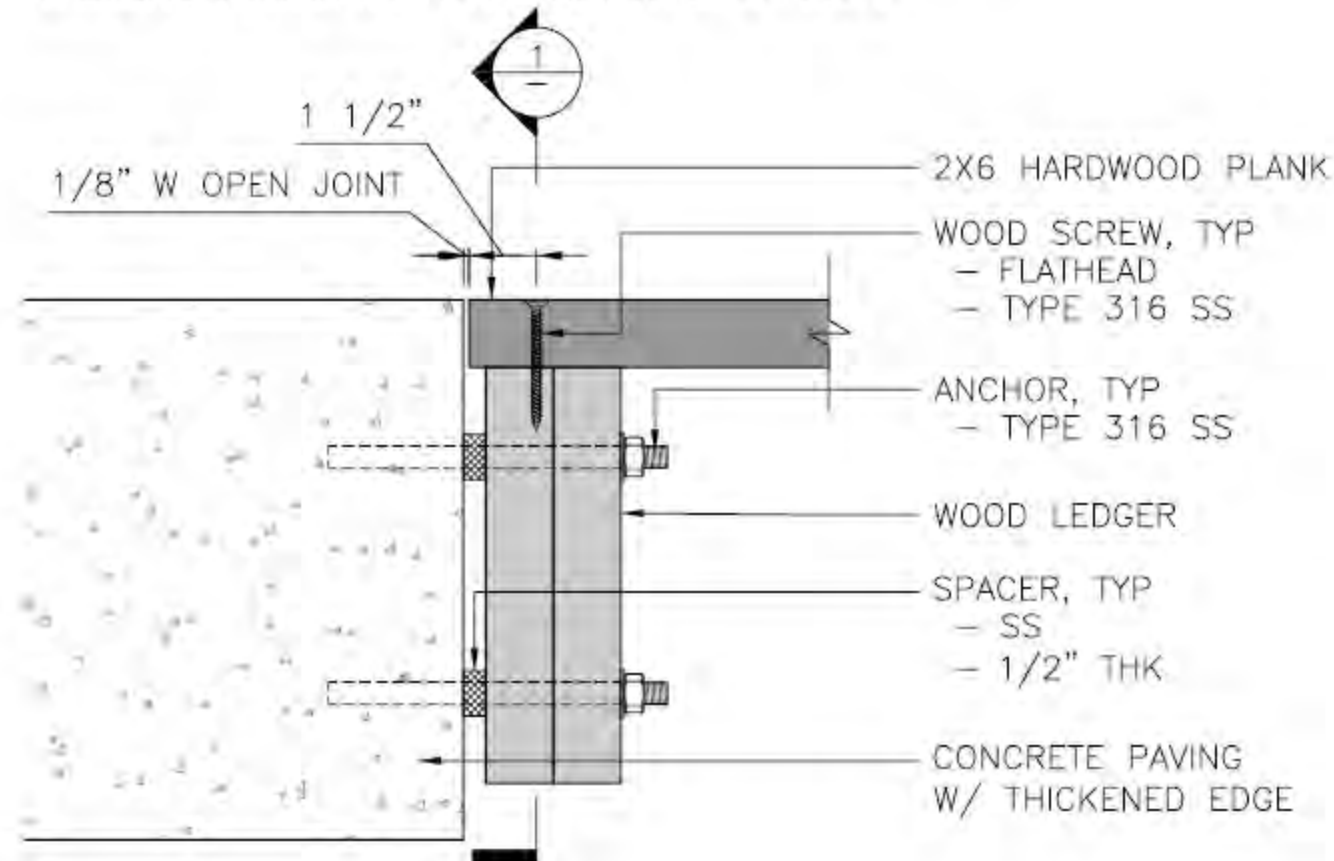




**BOARDWALK  
IN PAVEMENT**



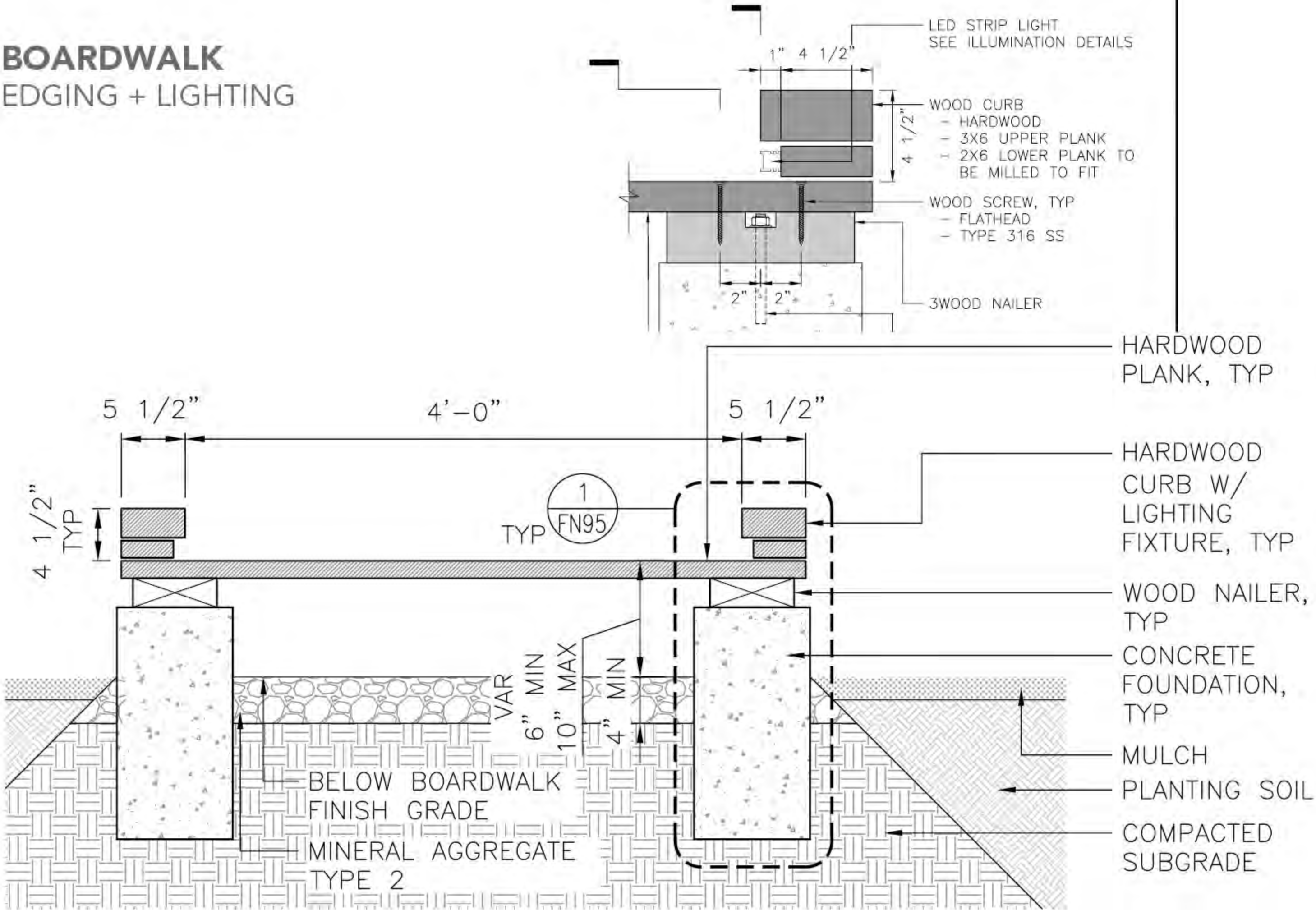
BOARDWALK IN PAVEMENT SECTION



CONNECTION TO PAVEMENT SECTION



**BOARDWALK**  
EDGING + LIGHTING





# BOARDWALK

## EDGING + LIGHTING





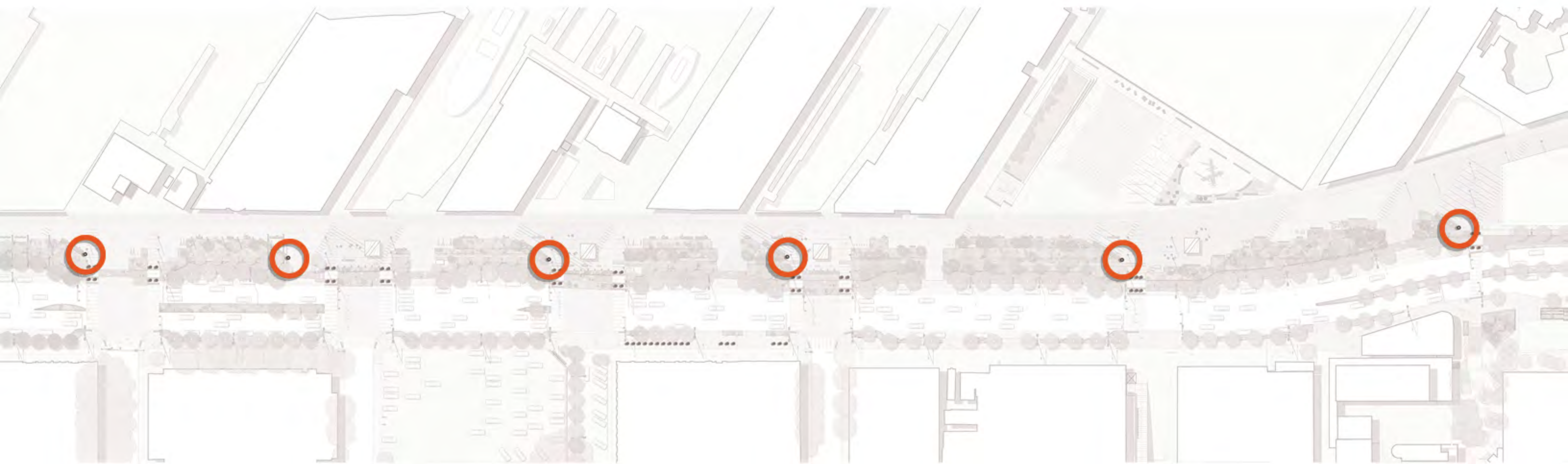
# BOARDWALK VIEW





# FURNISHING

UTILITY BOLLARDS: TO PROVIDE POWER



- WATERFRONT RAILING
- BENCHES
- STEEL EDGING
- BOARDWALK
- UTILITY BOLLARDS**
- DRINKING FOUNTAINS

- TRASH CANS
- BIKE RACKS
- BOLLARDS
- TREE PIT GUARDS
- METAL DECKING



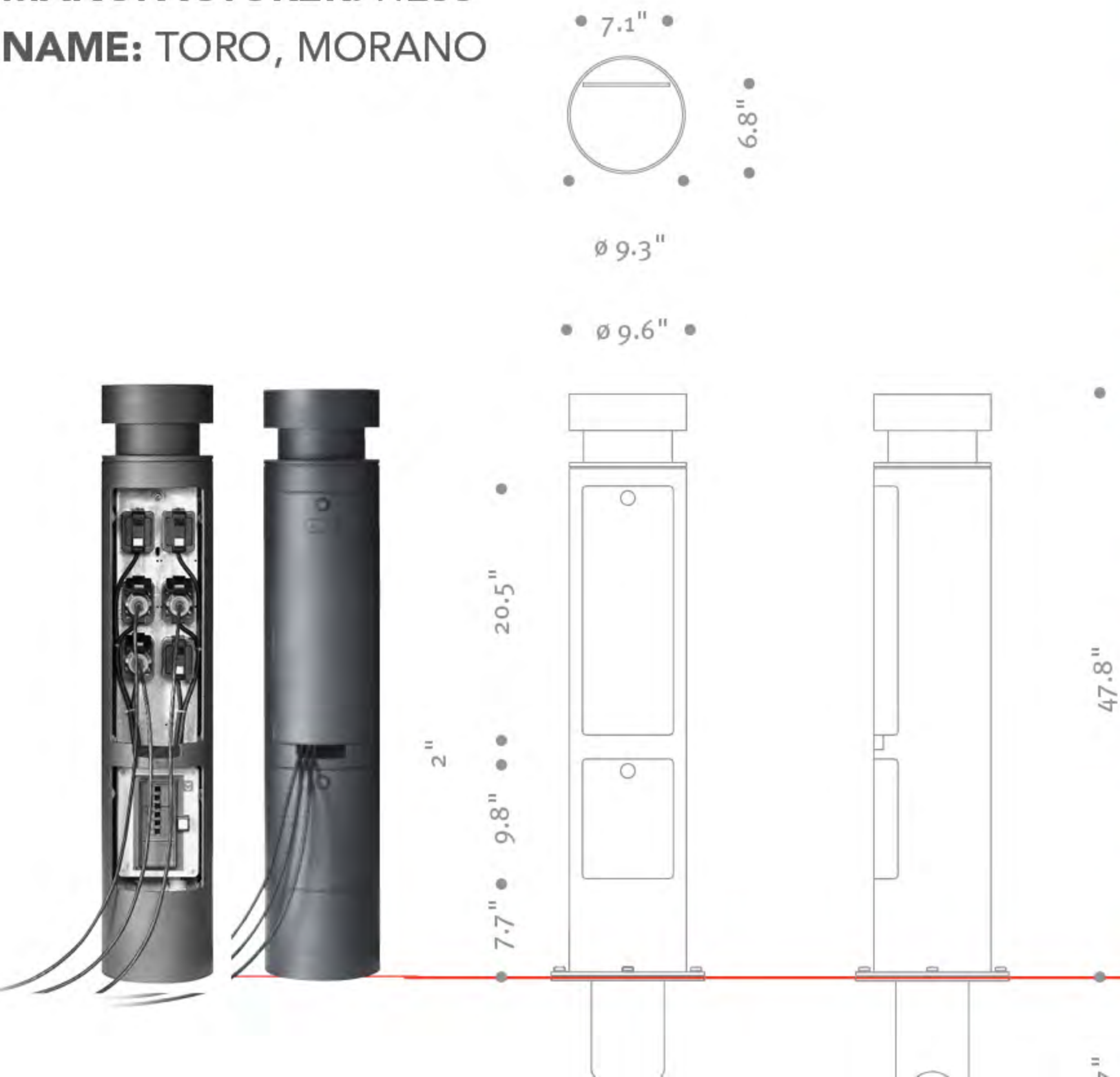
UTILITY BOLLARD  
LOCATIONS





UTILITY BOLLARD  
DETAILS

MANUFACTURER: HESS  
NAME: TORO, MORANO





# FURNISHING

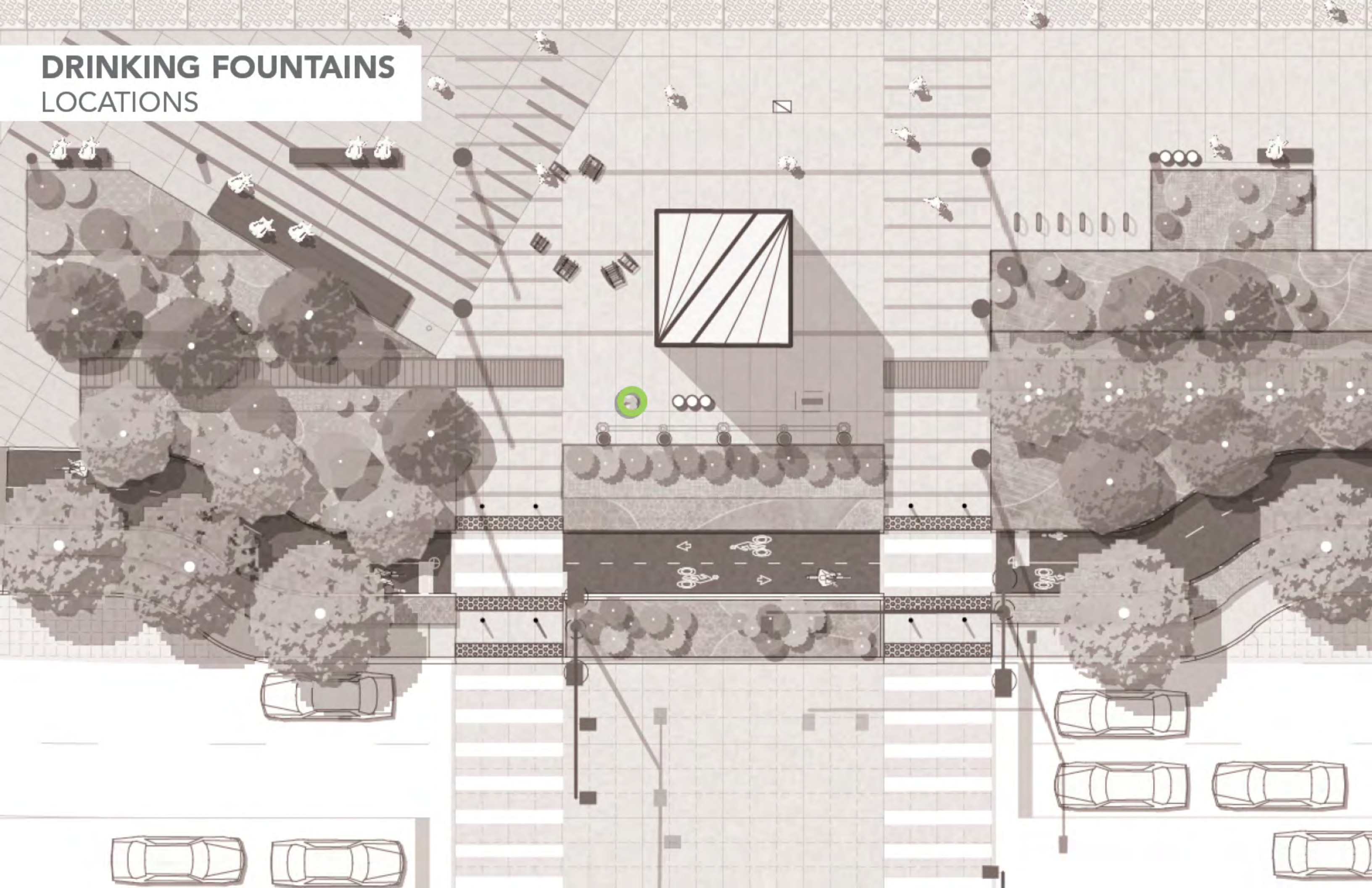
## DRINKING FOUNTAINS



- TREE PIT GUARD
- GSI + METAL DECK
- BOLLARDS
- STEEL EDGING
- BOARDWALK
- BENCHES
- HISTORIC BALUSTRADE
- WATERFRONT RAILING
- DRINKING FOUNTAINS + TRASH**
- BIKE RACKS



**DRINKING FOUNTAINS**  
LOCATIONS





# DRINKING FOUNTAINS

MANUFACTURER: ELKAY

**MANUFACTURER:** ELKAY

**NAME:** 4420BF1U

**MATERIALS:** STEEL

100% RECYCLABLE,

ADA ACCESSIBLE,

WATER BOTTLE FILLER

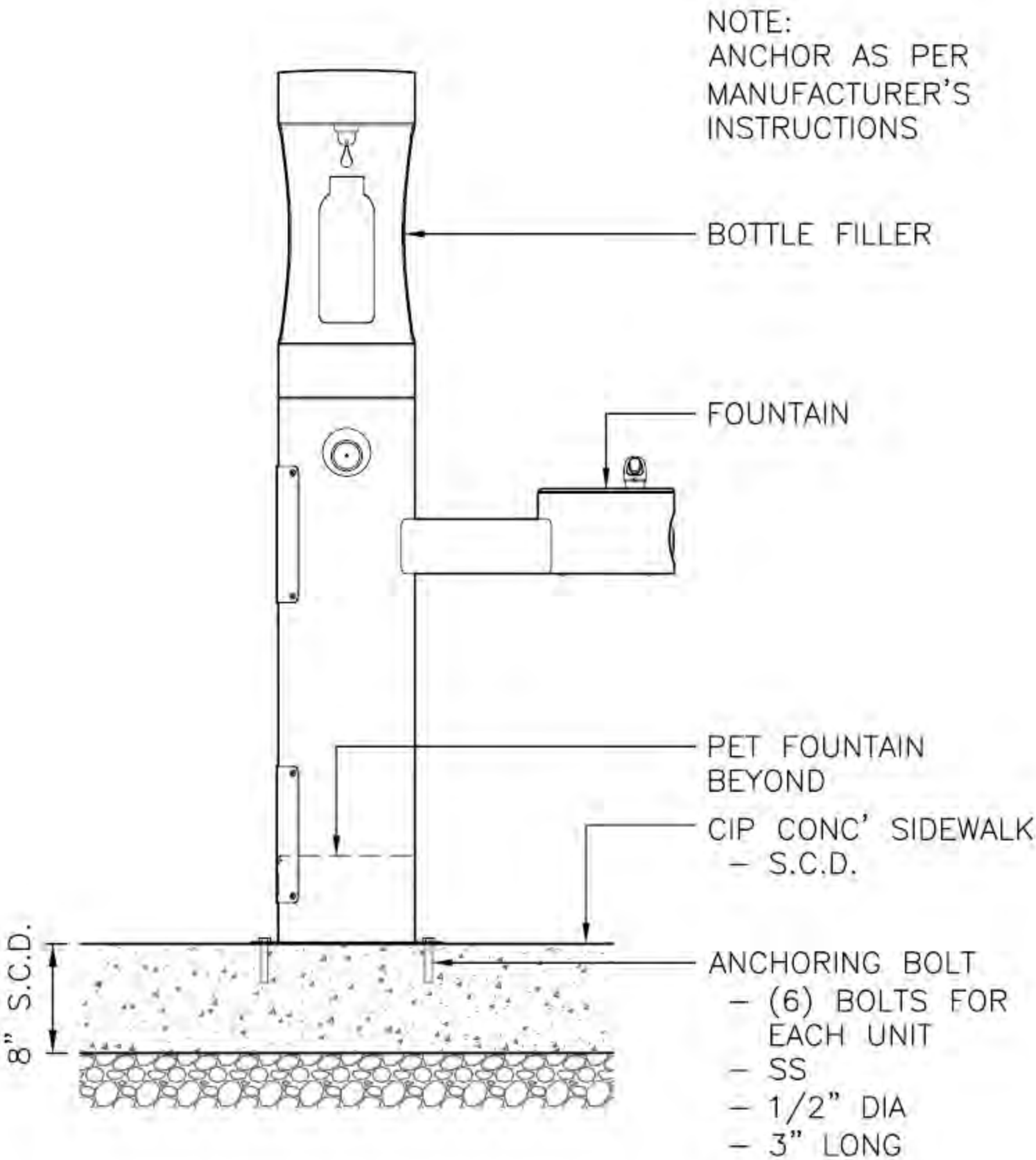
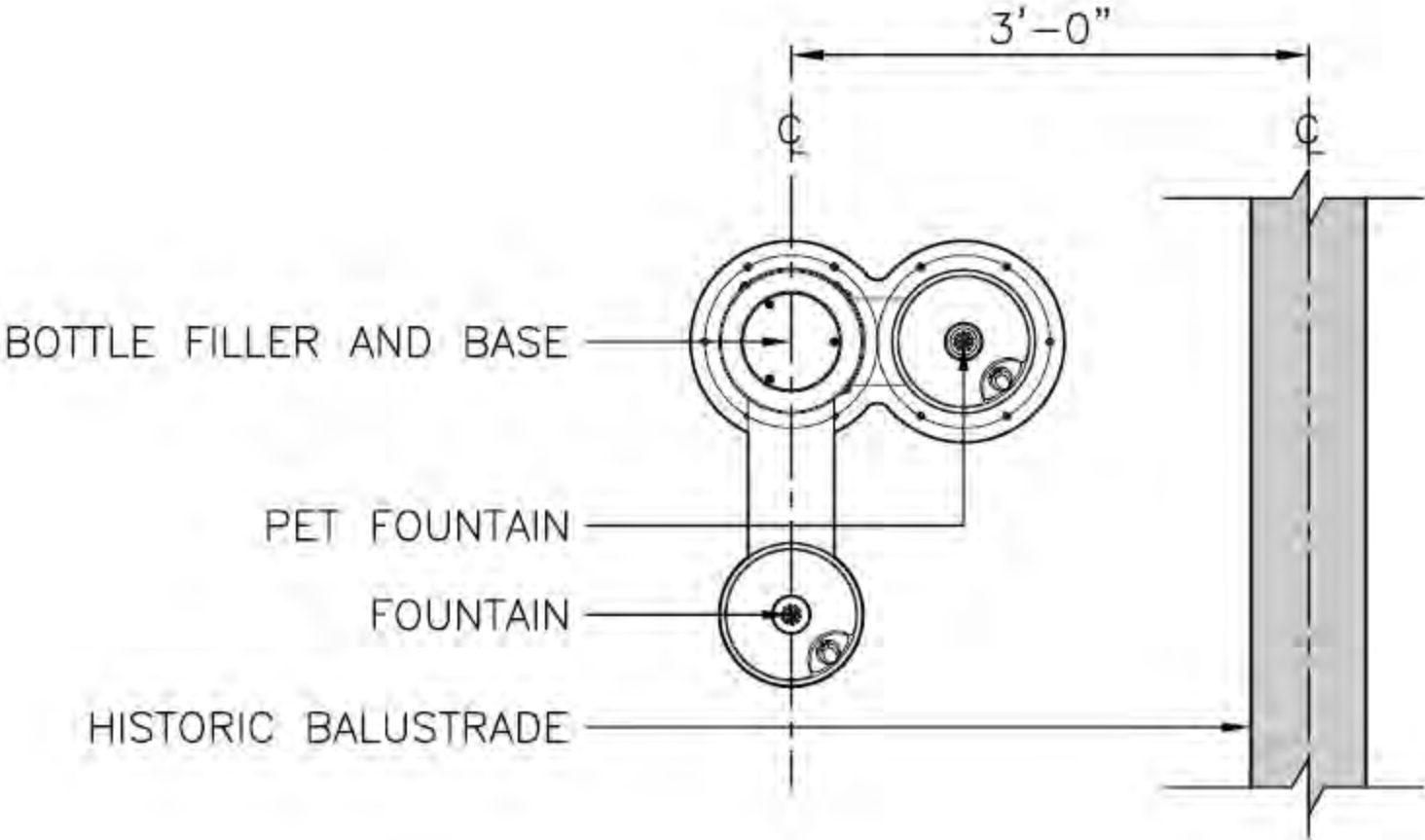
PET FOUNTAIN





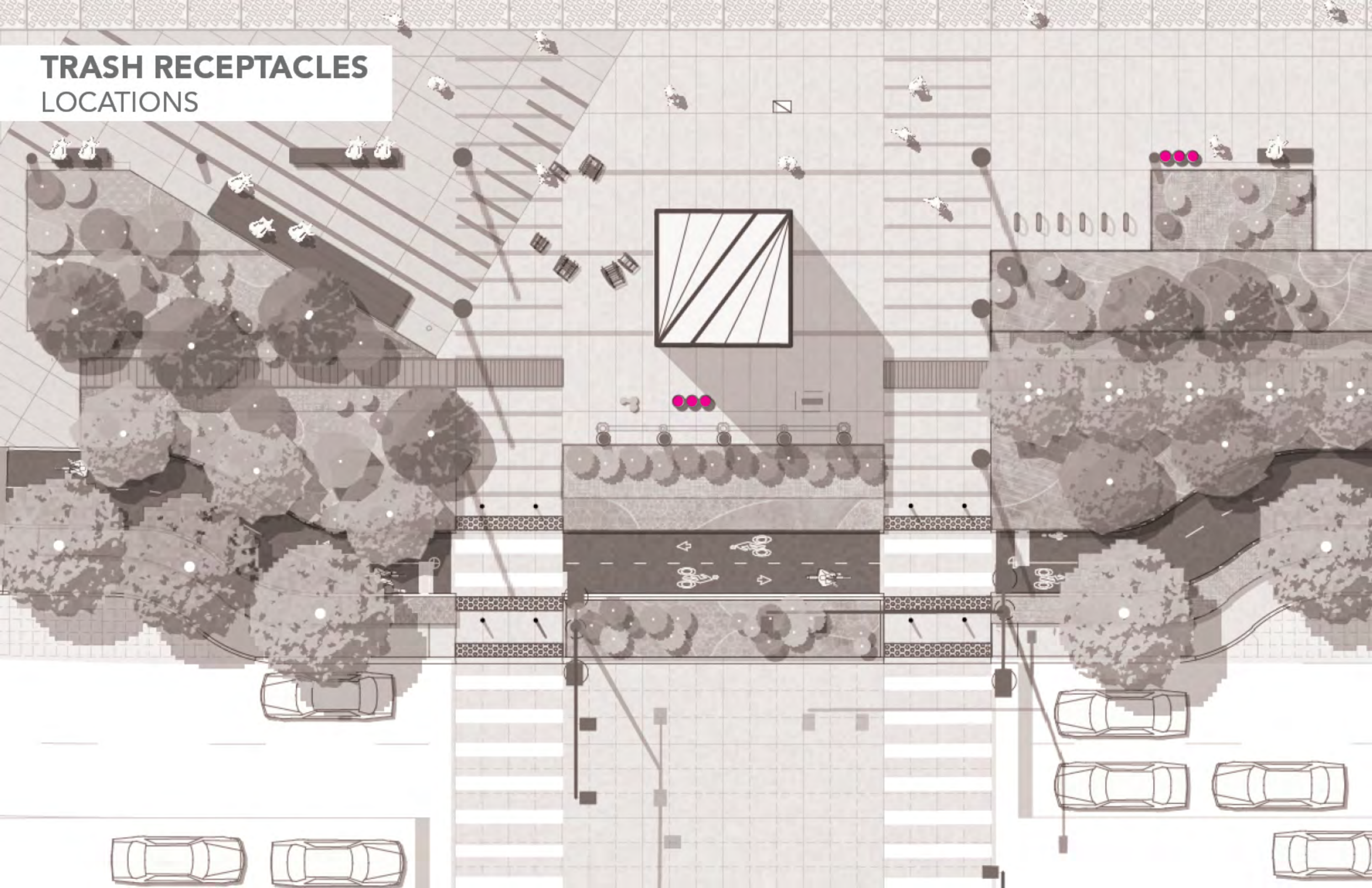
# DRINKING FOUNTAINS

## LAYOUT





TRASH RECEPTACLES  
LOCATIONS





## TRASH RECEPTACLES

MANUFACTURER: LANDSCAPE FORMS

**NAME:** LAKESIDE

**MATERIALS:** STEEL, LOW DENSITY PLASTIC LINER  
100% RECYCLABLE

**COLOR:** MATCH RAL COLOR OF LIGHT POLES,  
BOLLARDS, ETC.

### SECURITY OPTIONS:

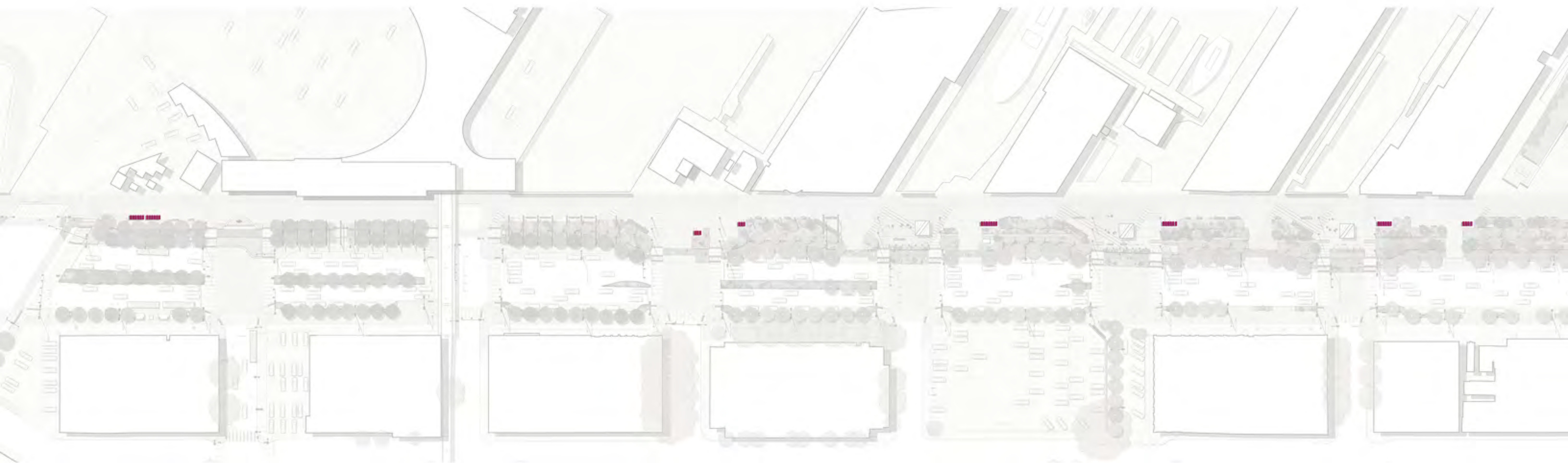
- MOVABLE (SMALLER INSTALLATION COST)
















# FURNISHING

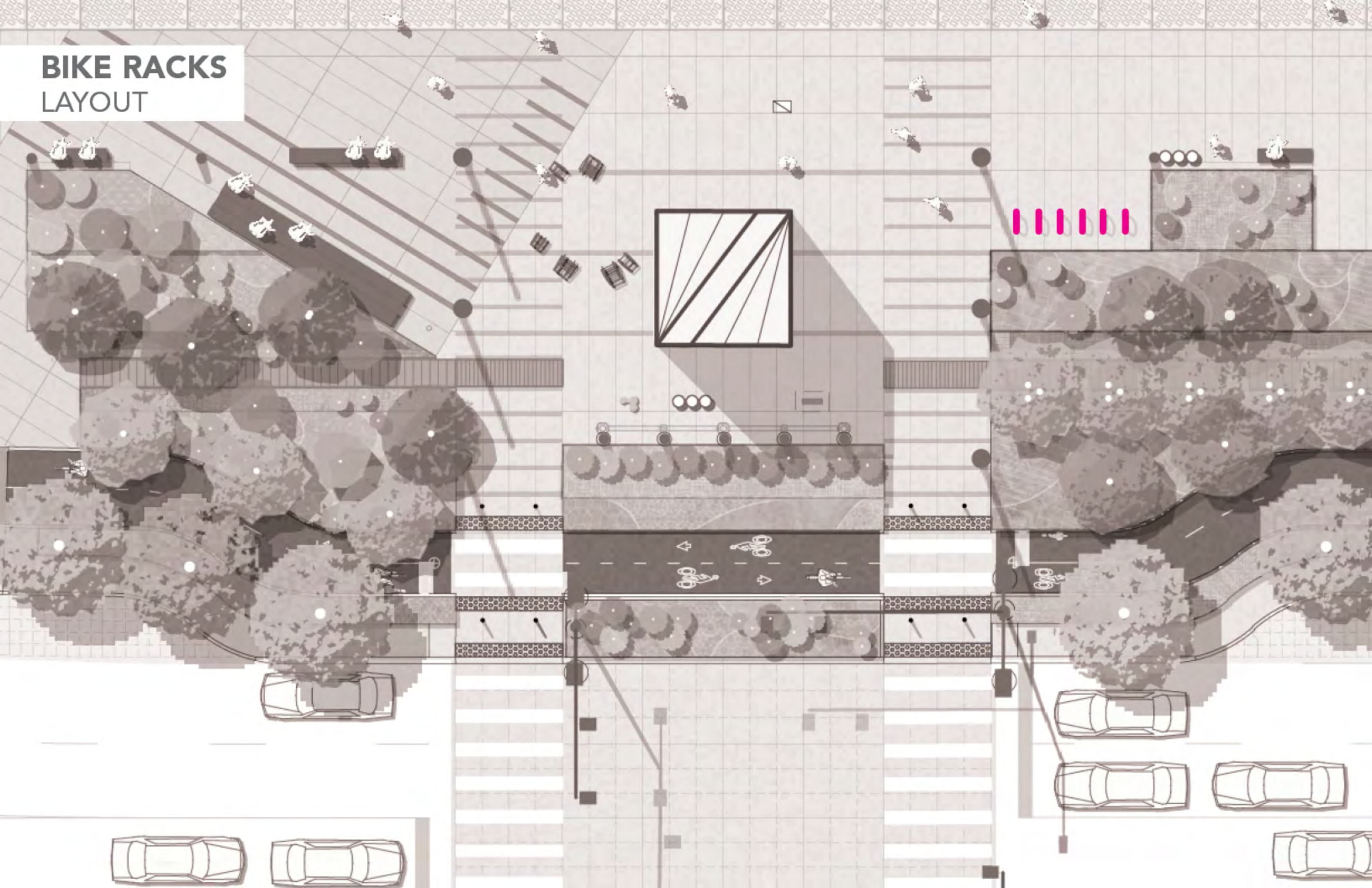
## BIKE RACKS



- |   |   |
|---|---|
|  WATERFRONT RAILING |  TRASH CANS      |
|  BENCHES            |  BIKE RACKS      |
|  STEEL EDGING       |  BOLLARDS        |
|  BOARDWALK          |  TREE PIT GUARDS |
|  UTILITY BOLLARDS   |  METAL DECKING   |
|  DRINKING FOUNTAINS |   |



BIKE RACKS  
LAYOUT





# BIKE RACKS

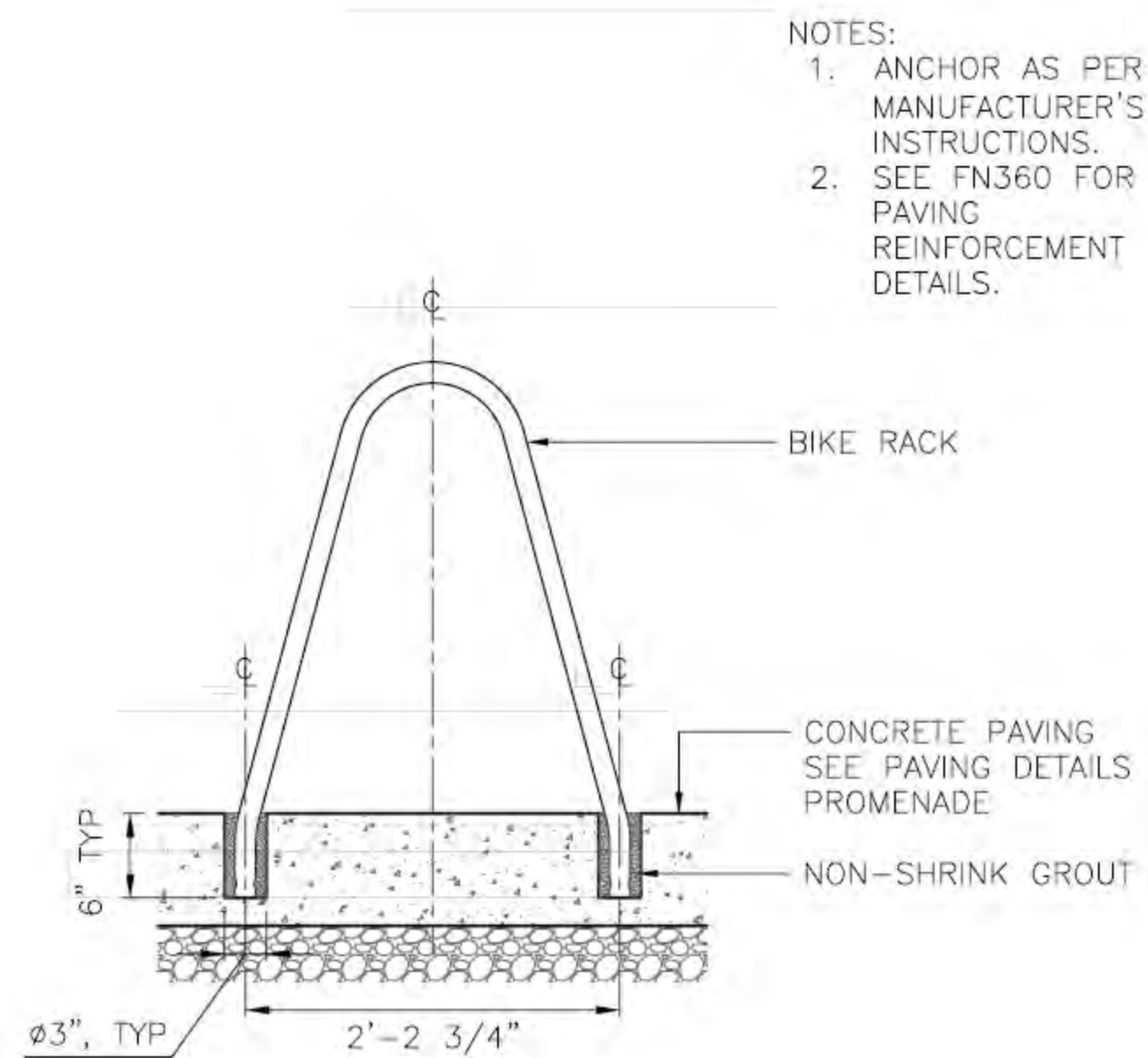
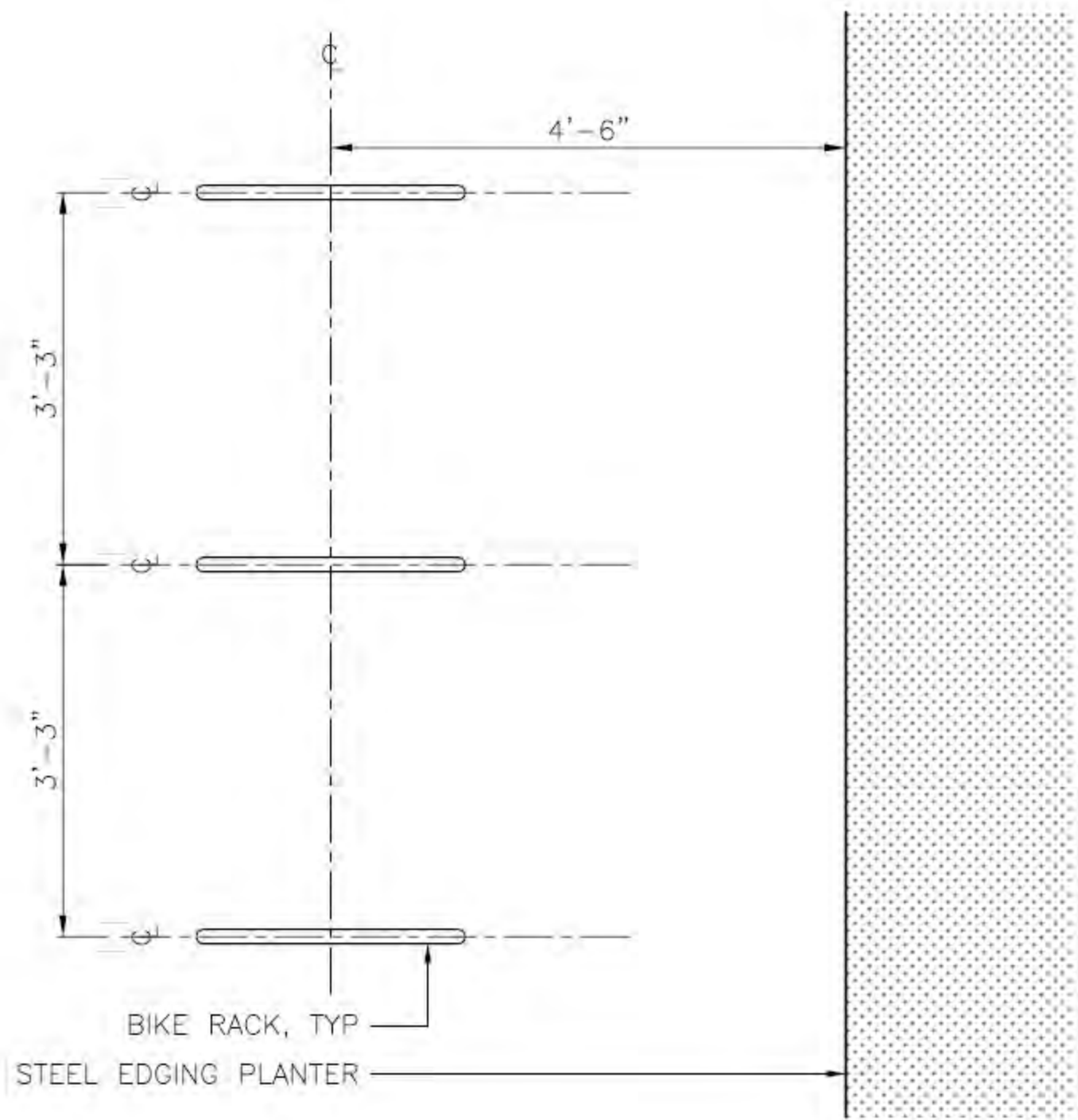
DESIGN: LANDSCAPE FORMS





# BIKE RACKS

## INSTALLATION



- NOTES:
1. ANCHOR AS PER MANUFACTURER'S INSTRUCTIONS.
  2. SEE FN360 FOR PAVING REINFORCEMENT DETAILS.



# FURNISHING

## BOLLARDS



- WATERFRONT RAILING
- BENCHES
- STEEL EDGING
- BOARDWALK
- UTILITY BOLLARDS
- DRINKING FOUNTAINS

- TRASH CANS
- BIKE RACKS
- BOLLARDS**
- TREE PIT GUARDS
- METAL DECKING



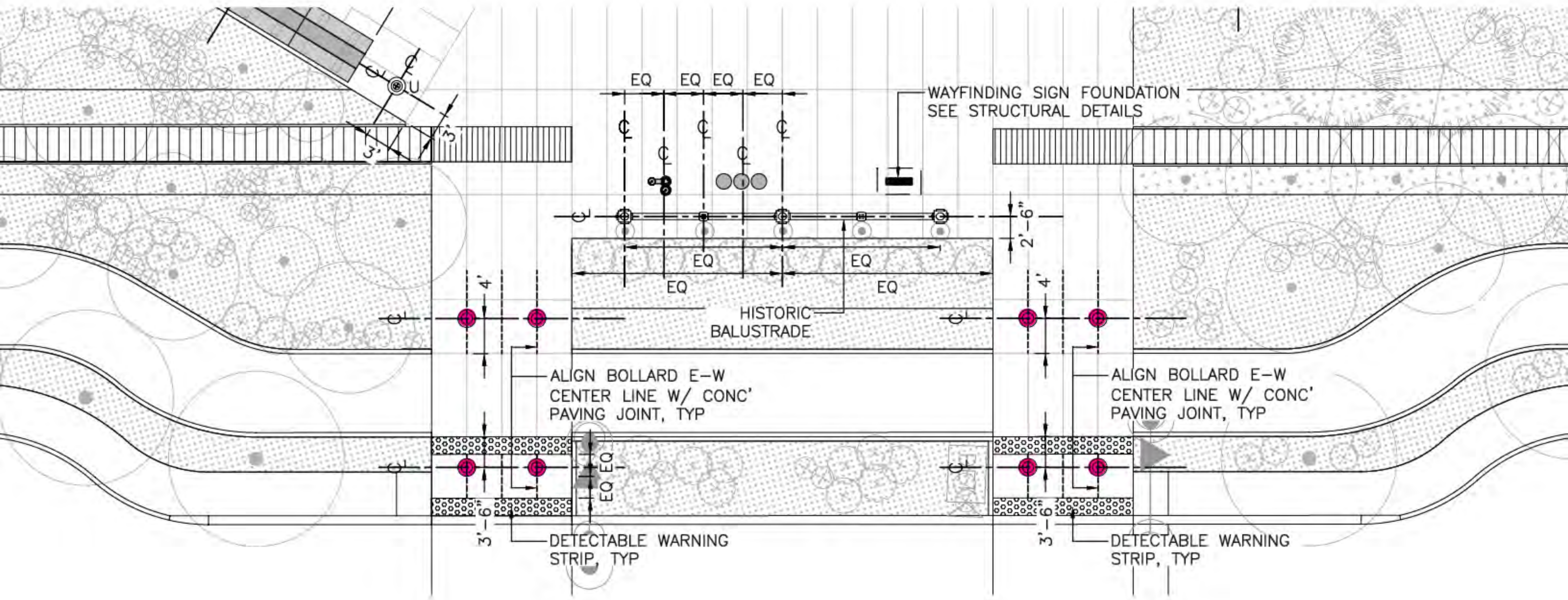
# BOLLARDS PRECEDENTS





# BOLLARDS

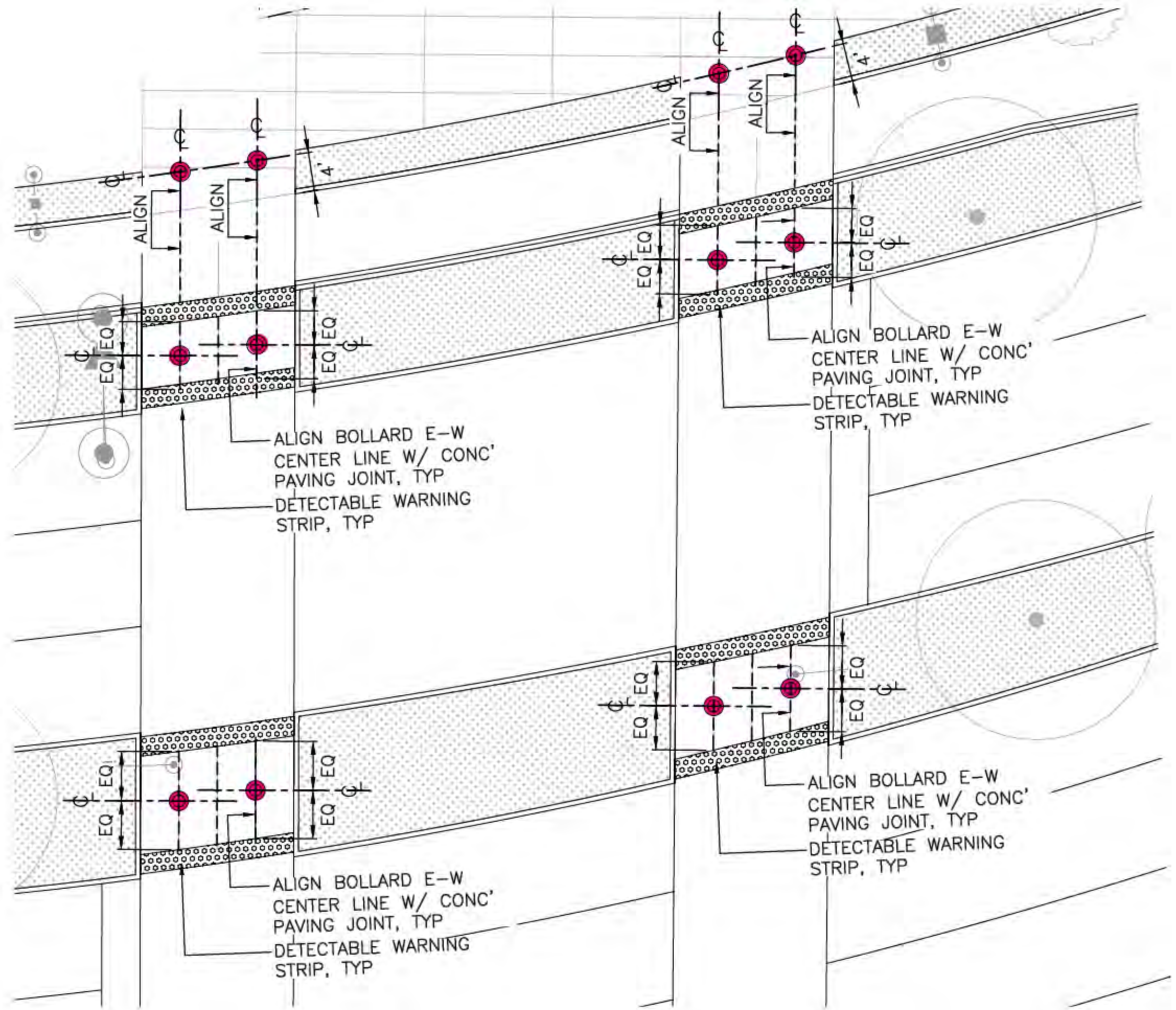
## TYPICAL LAYOUT





## BOLLARDS

### LAYOUT IN MEDIAN





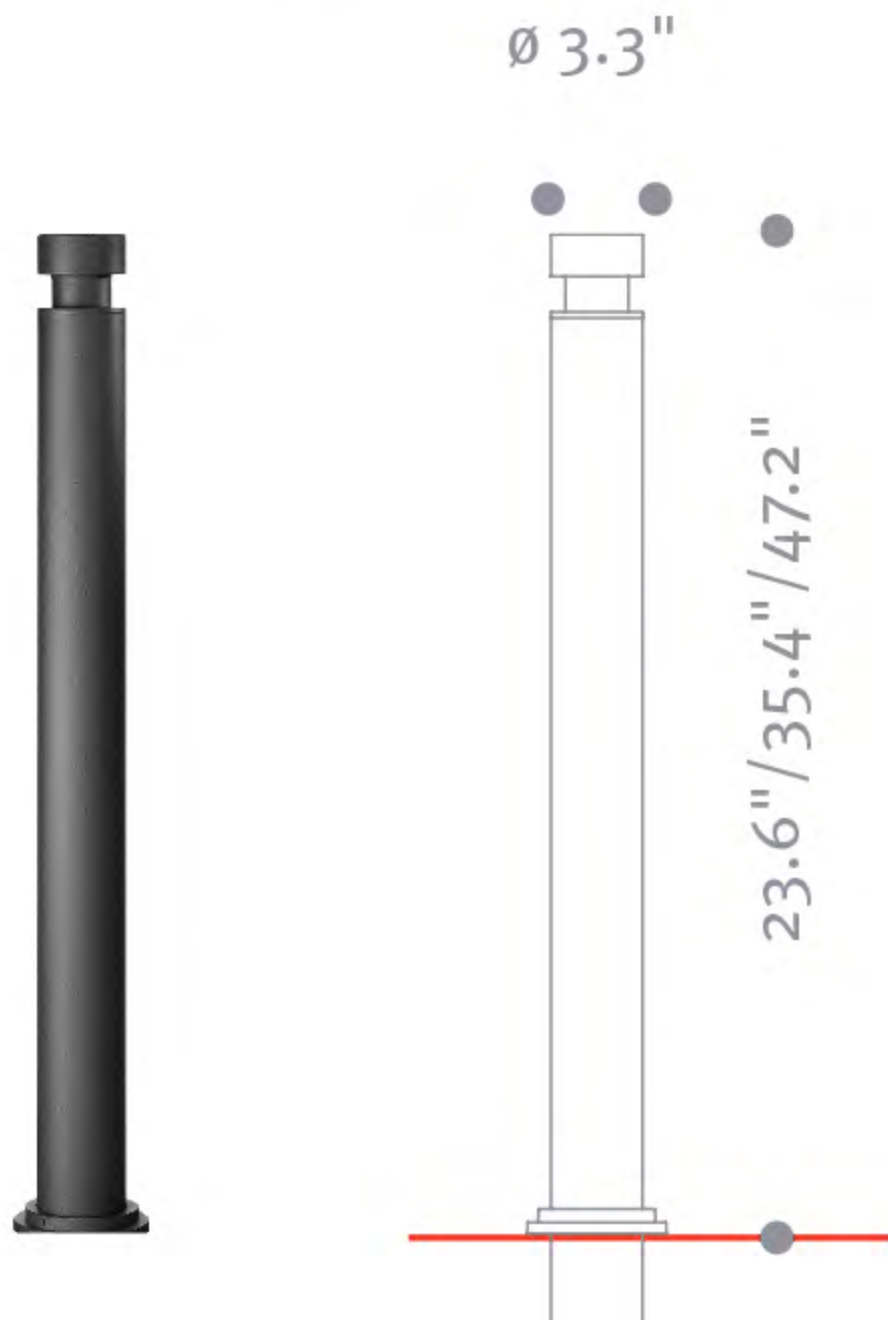
# BOLLARDS

## DESIGN

**MANUFACTURER:** HESS

**NAME:** MORANO 900

**MATERIALS:** BILLET ALUMINUM TOP CAP,  
STEEL BOLLARD SHAFT





**BOLLARDS**  
VIEW












# FURNISHING

## TREE PIT GUARDS

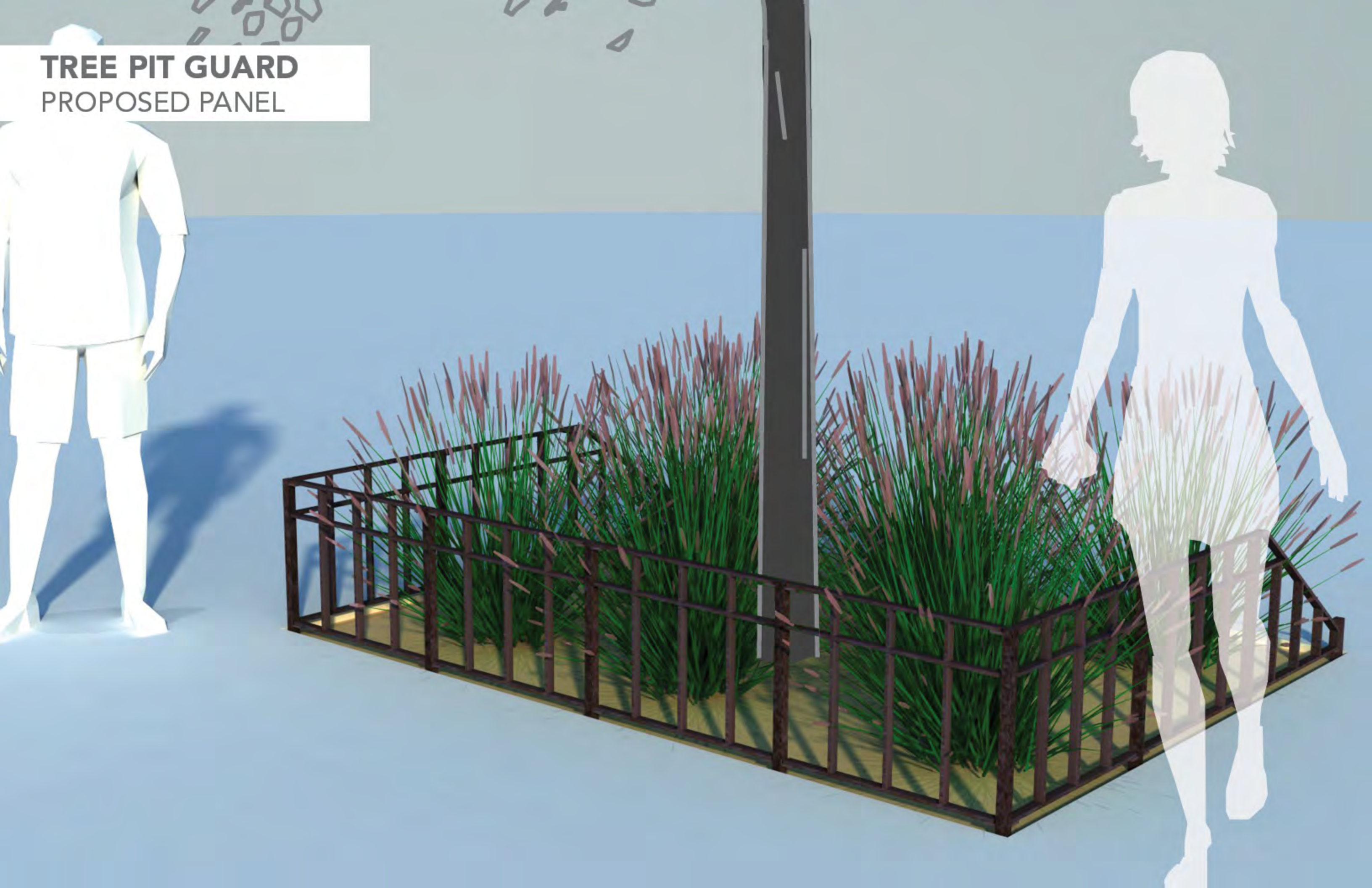


- |   |  |
|---|--|
|  WATERFRONT RAILING |  TRASH CANS             |
|  BENCHES            |  BIKE RACKS             |
|  STEEL EDGING       |  BOLLARDS               |
|  BOARDWALK          |  <b>TREE PIT GUARDS</b> |
|  UTILITY BOLLARDS   |  METAL DECKING          |
|  DRINKING FOUNTAINS |  |



# TREE PIT GUARD

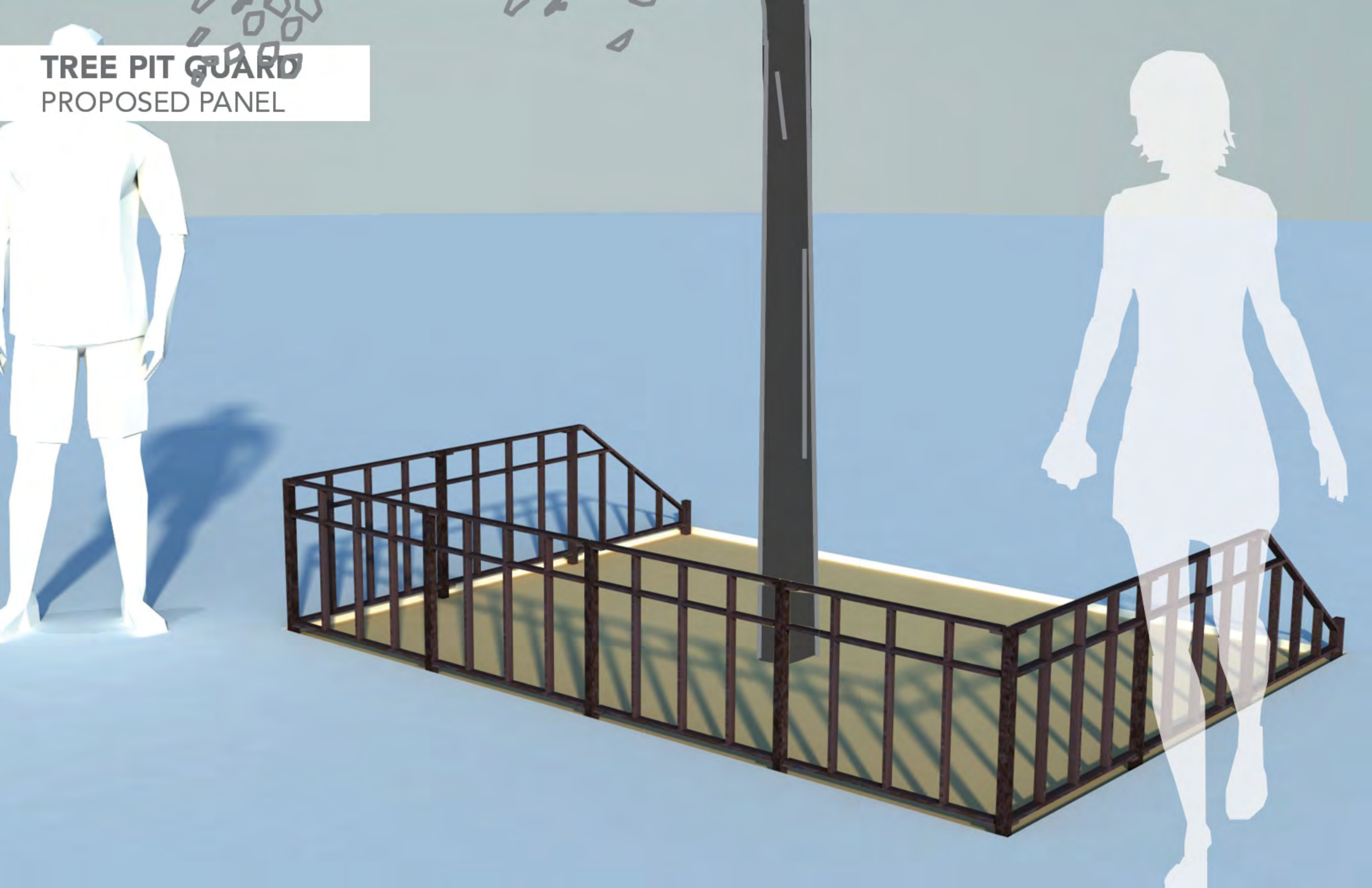
## PROPOSED PANEL





# TREE PIT GUARD

## PROPOSED PANEL



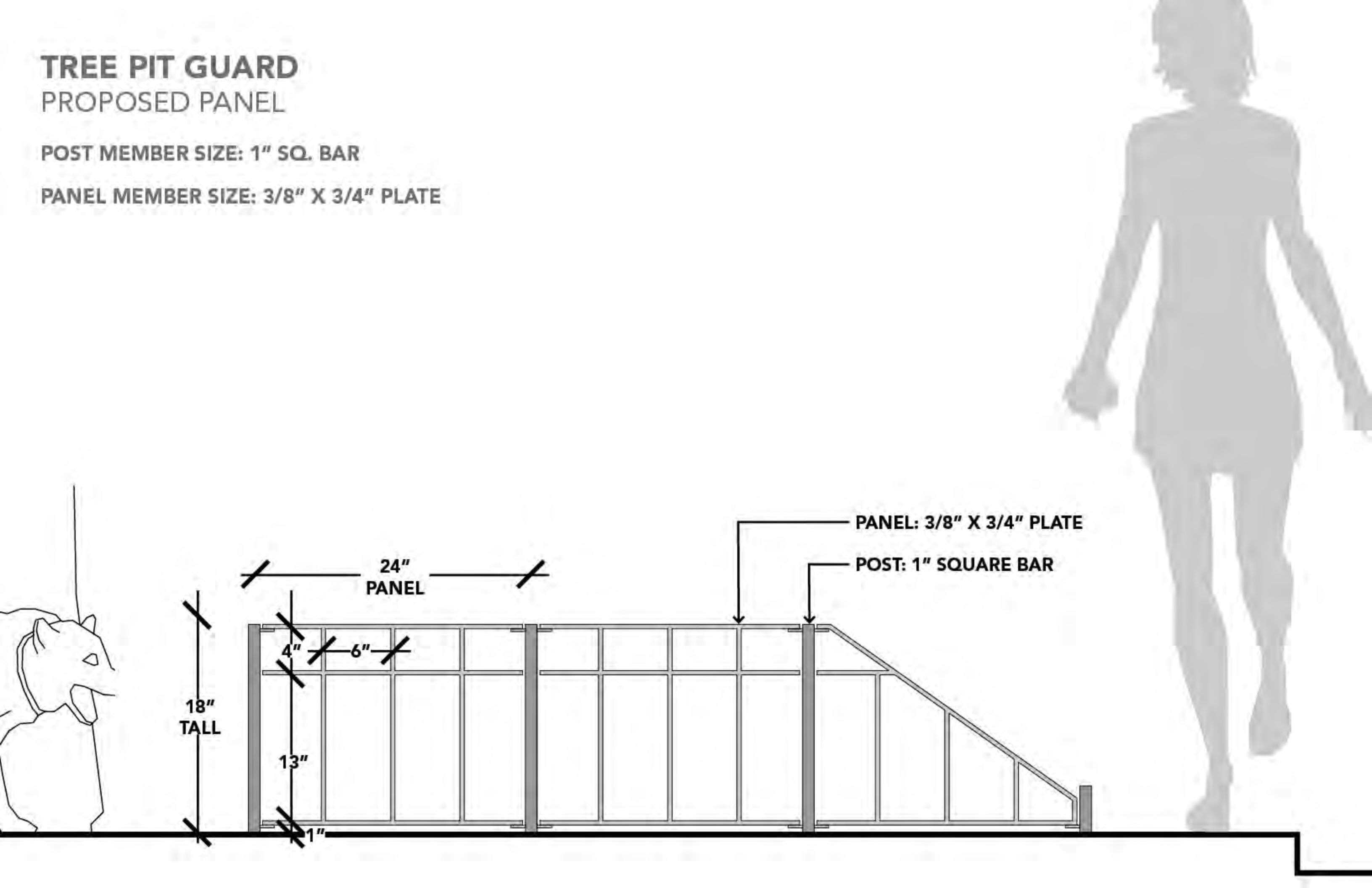


# TREE PIT GUARD

## PROPOSED PANEL

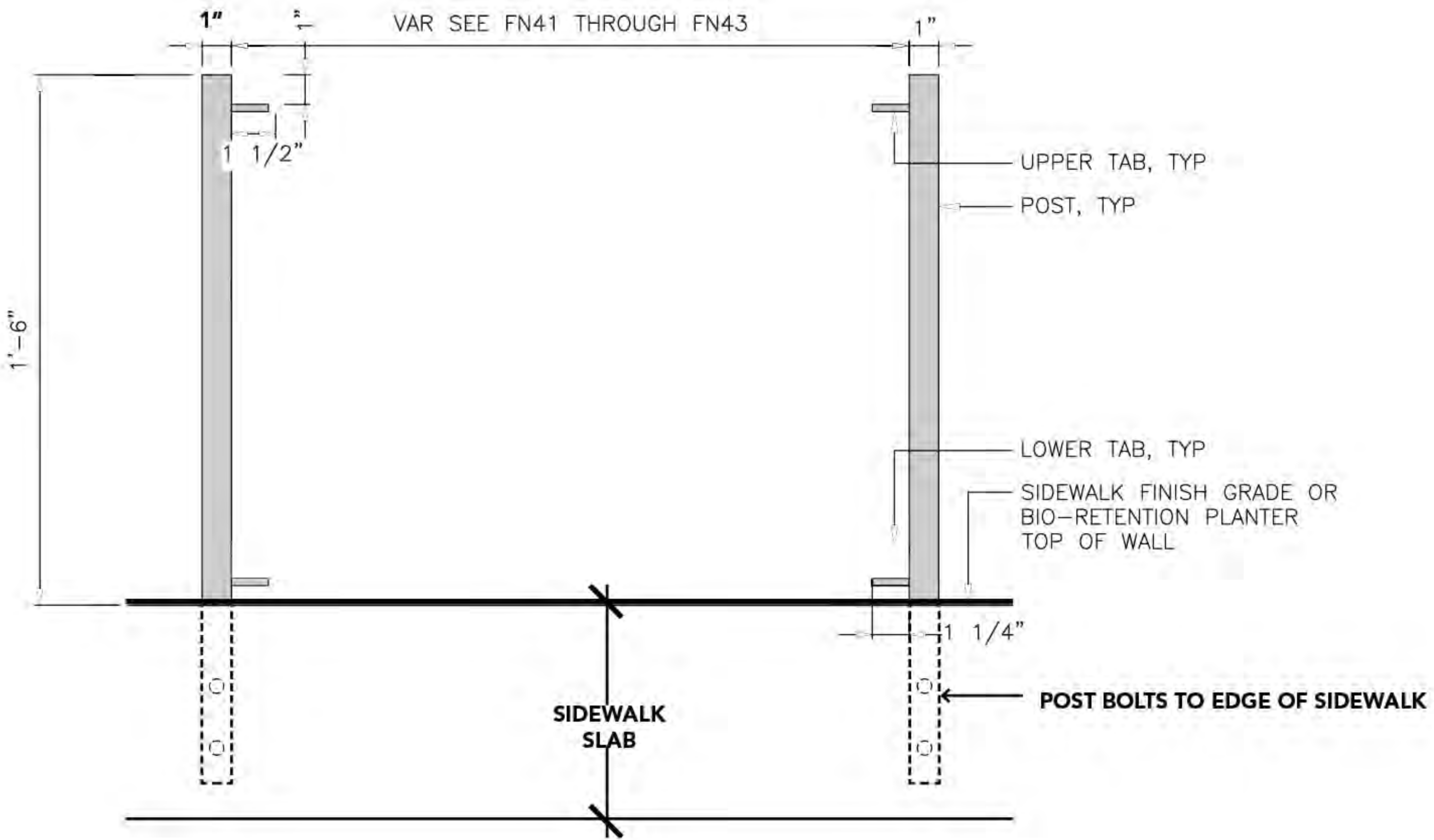
POST MEMBER SIZE: 1" SQ. BAR

PANEL MEMBER SIZE: 3/8" X 3/4" PLATE



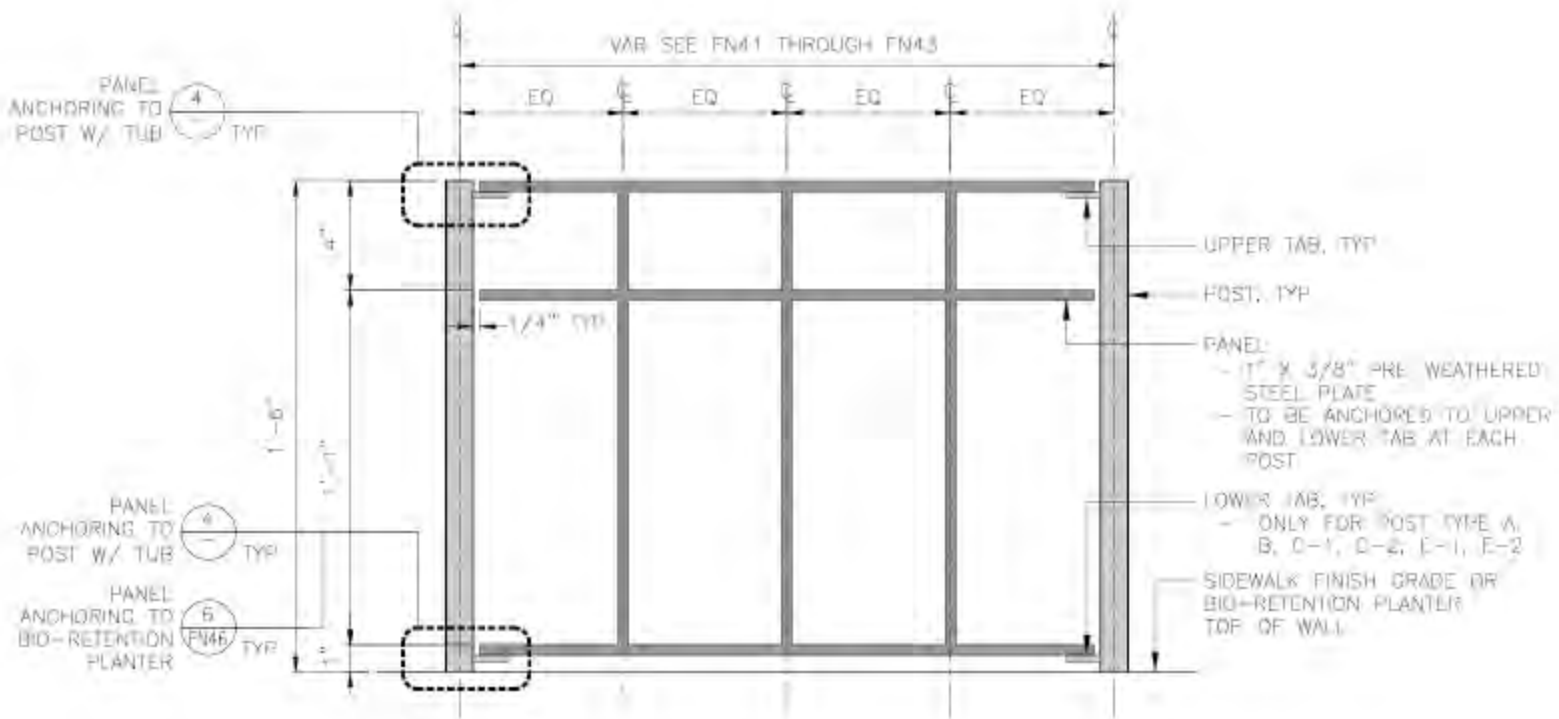
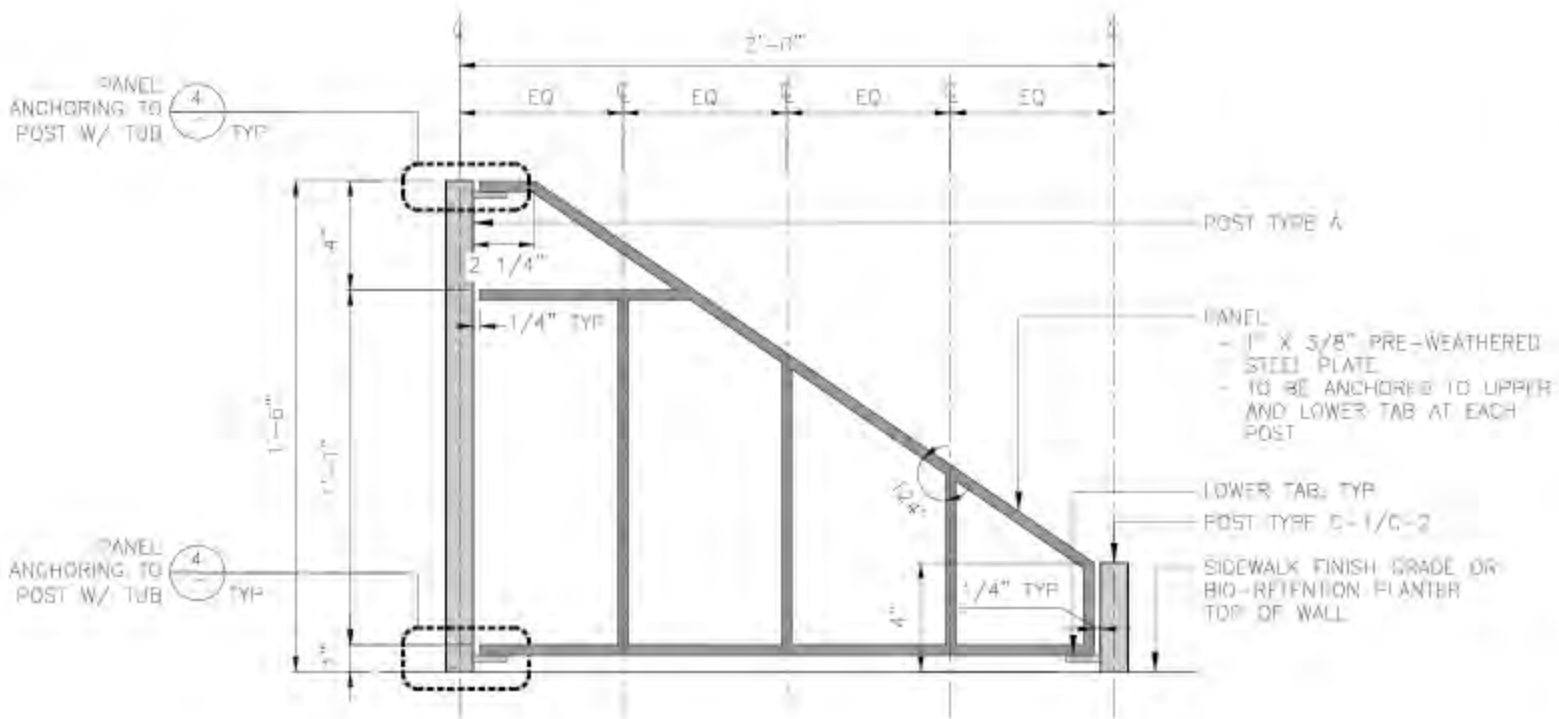
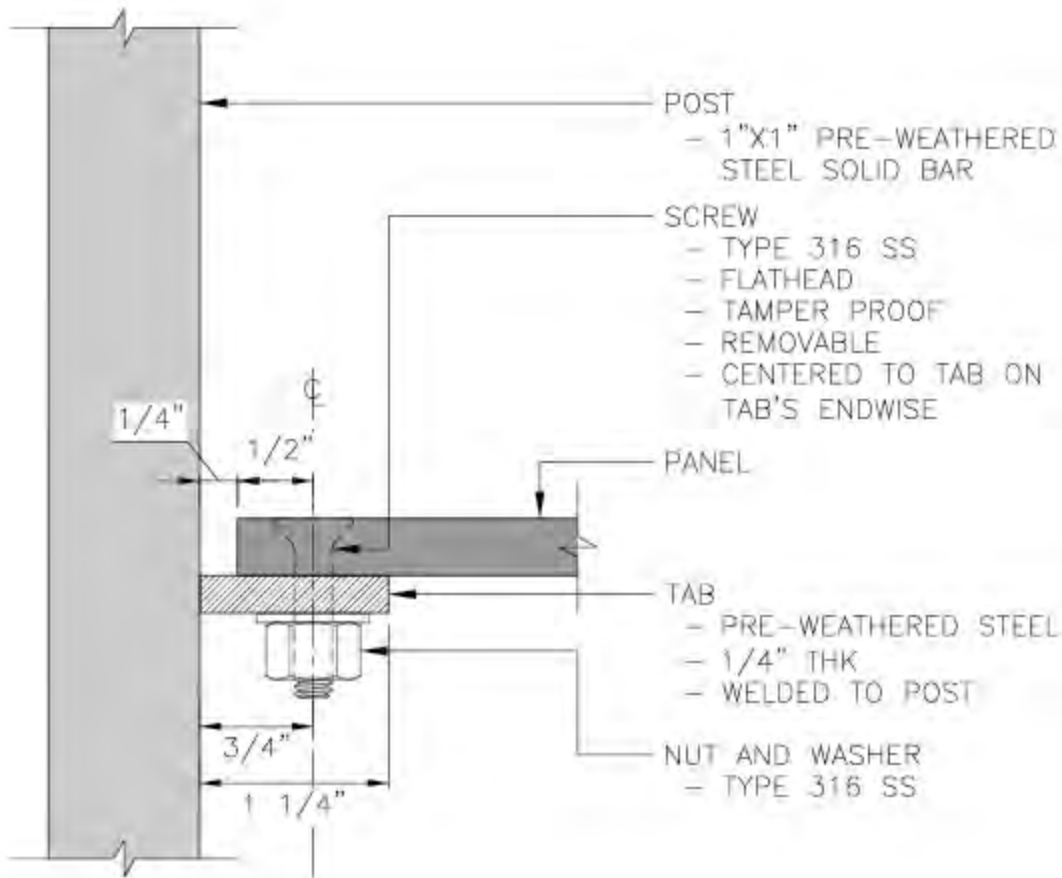


**TREE PIT GUARD**  
**STANDARD POSTS**



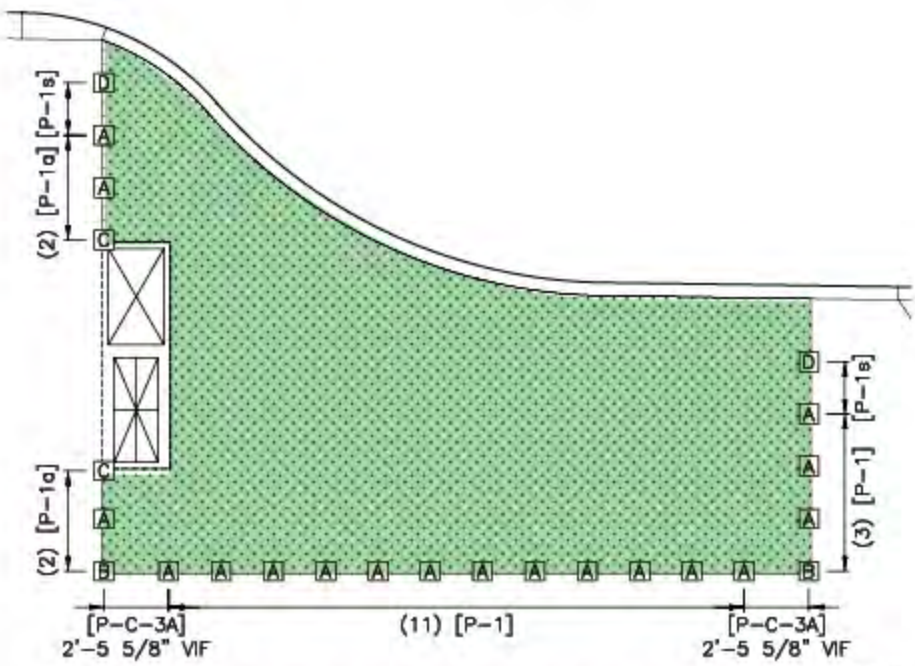


# TREE PIT GUARD DETAILS

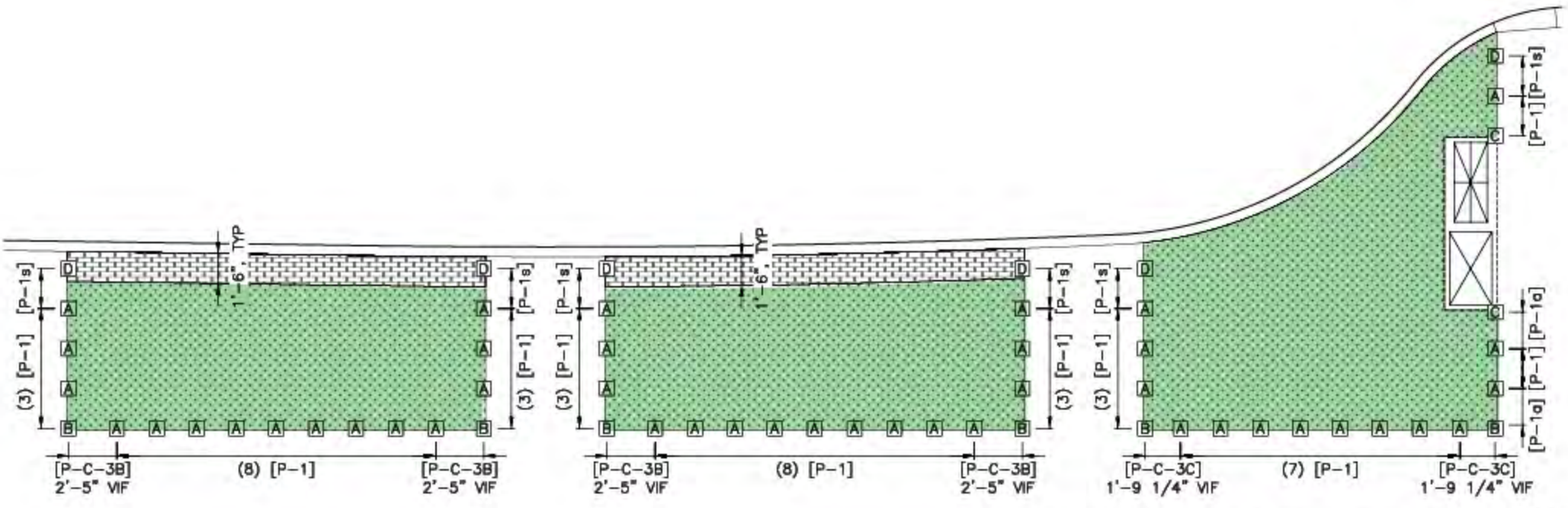




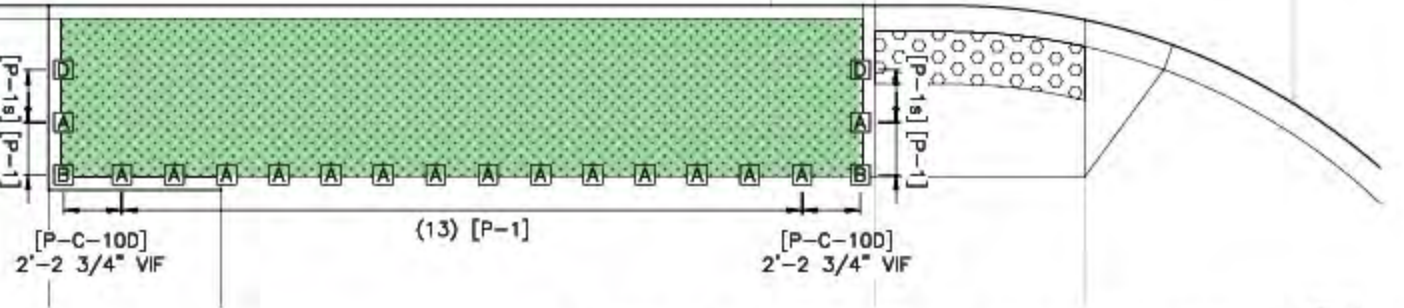
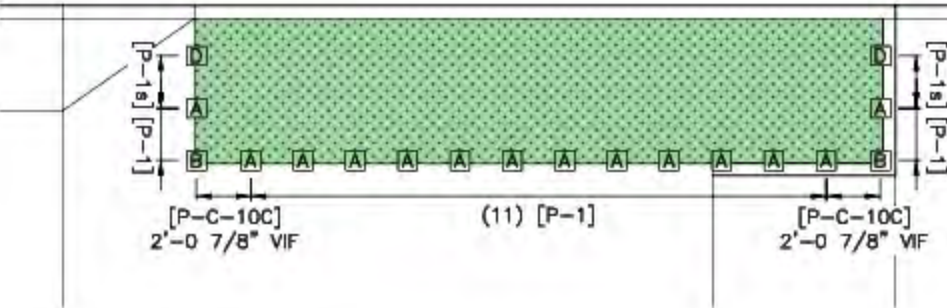
# TREE PIT GUARDS SIZES



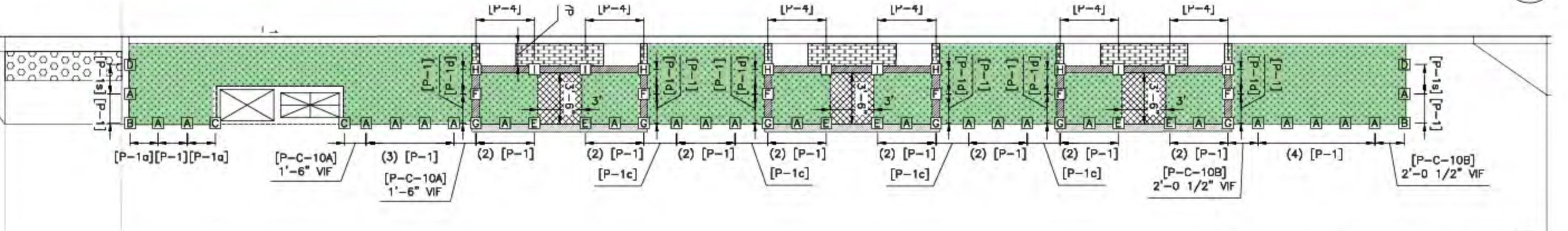
TREE PIT LAYOUT PLAN AREA 3 SOUTH  
1/4"=1'-0" 3



TREE PIT LAYOUT PLAN AREA 3 NORTH  
1/4"=1'-0" 2



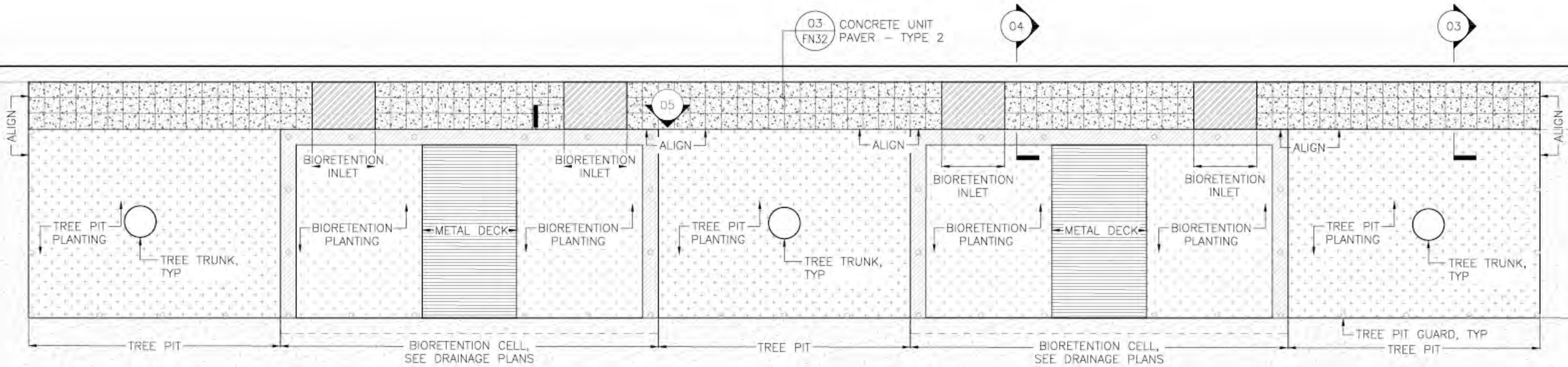
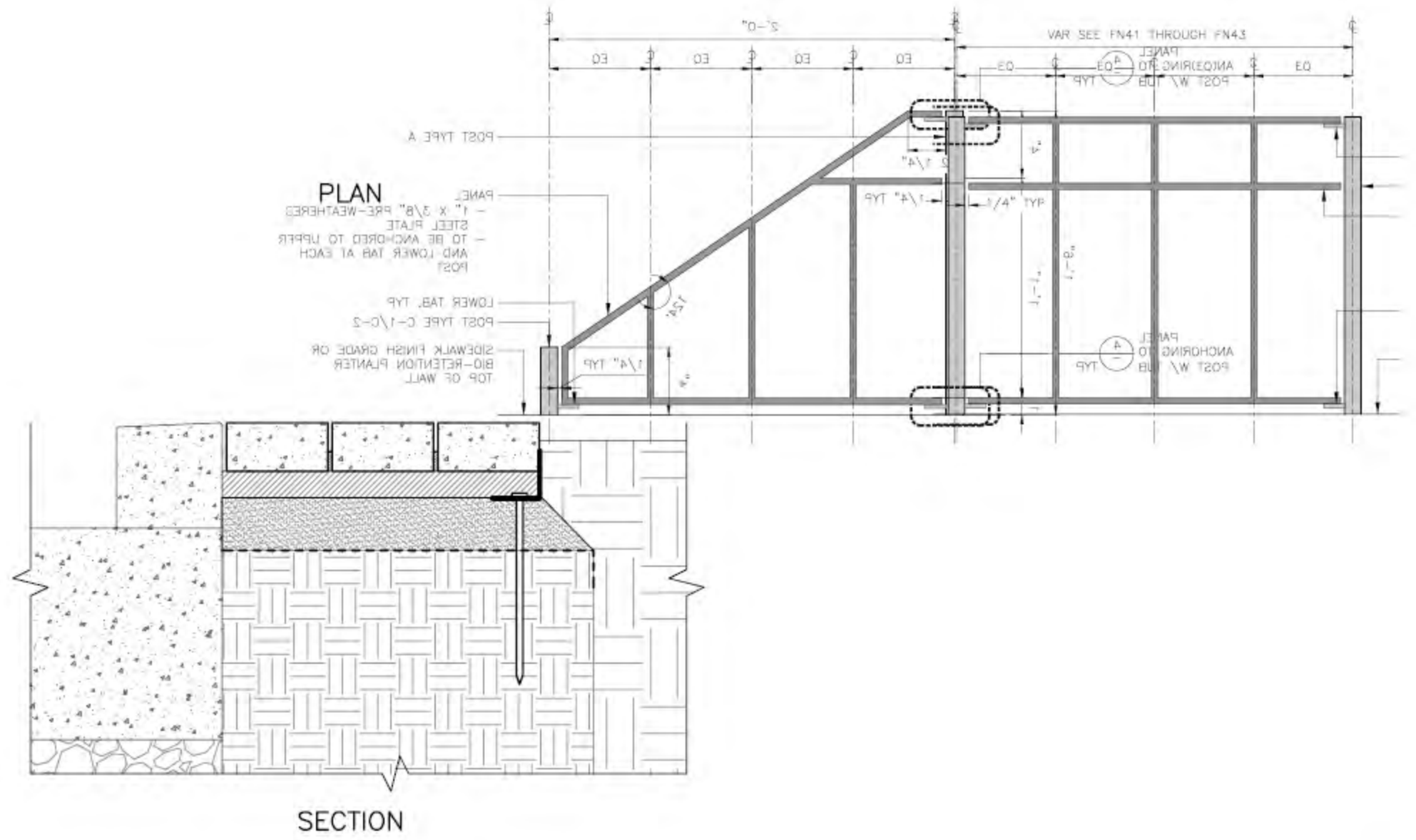
TREE PIT LAYOUT PLAN AREA 10 NORTH  
1/4"=1'-0" 3



TREE PIT LAYOUT PLAN AREA 10 SOUTH  
1/4"=1'-0" 2



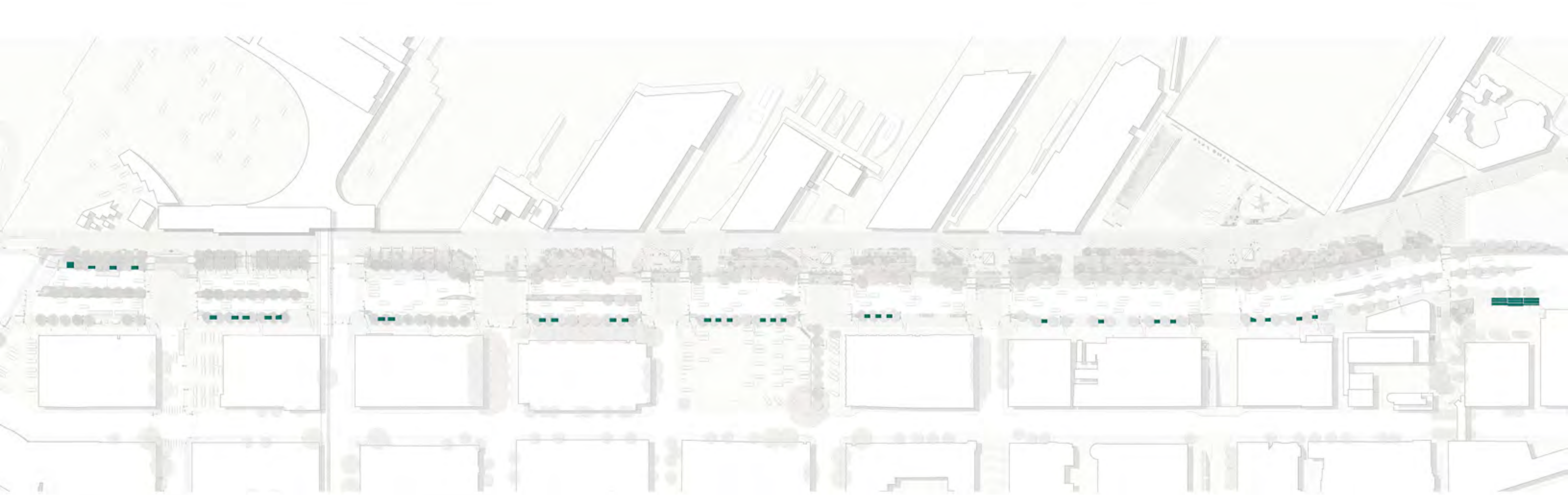
**TREE PIT GUARD**  
TREE PIT ZONE






# FURNISHING

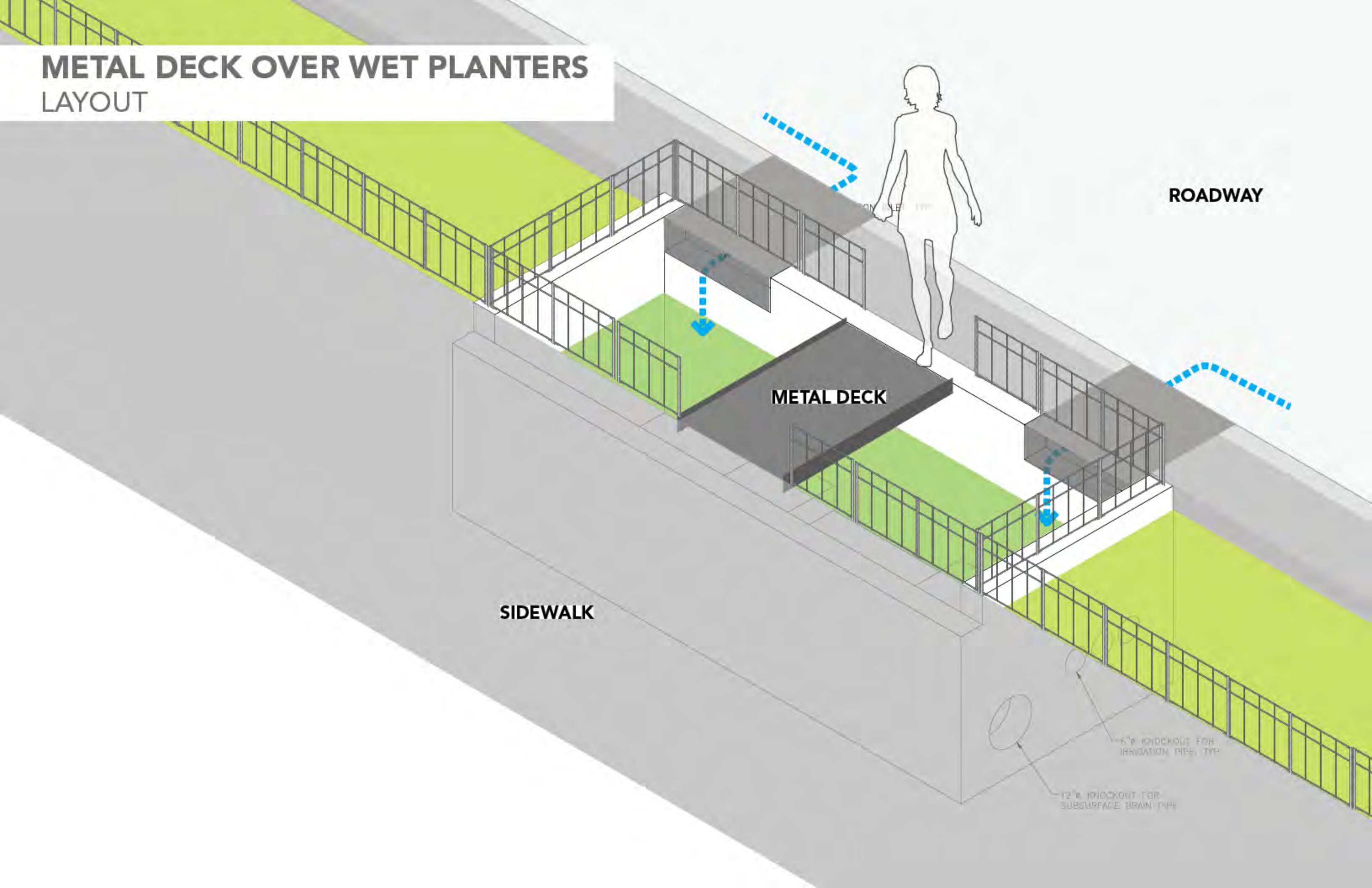
## METAL DECK OVER WET PLANTERS



- |   |   |
|---|---|
|  WATERFRONT RAILING |  TRASH CANS      |
|  BENCHES            |  BIKE RACKS      |
|  STEEL EDGING       |  BOLLARDS        |
|  BOARDWALK          |  TREE PIT GUARDS |
|  UTILITY BOLLARDS   |  METAL DECKING   |
|  DRINKING FOUNTAINS |   |



## METAL DECK OVER WET PLANTERS LAYOUT



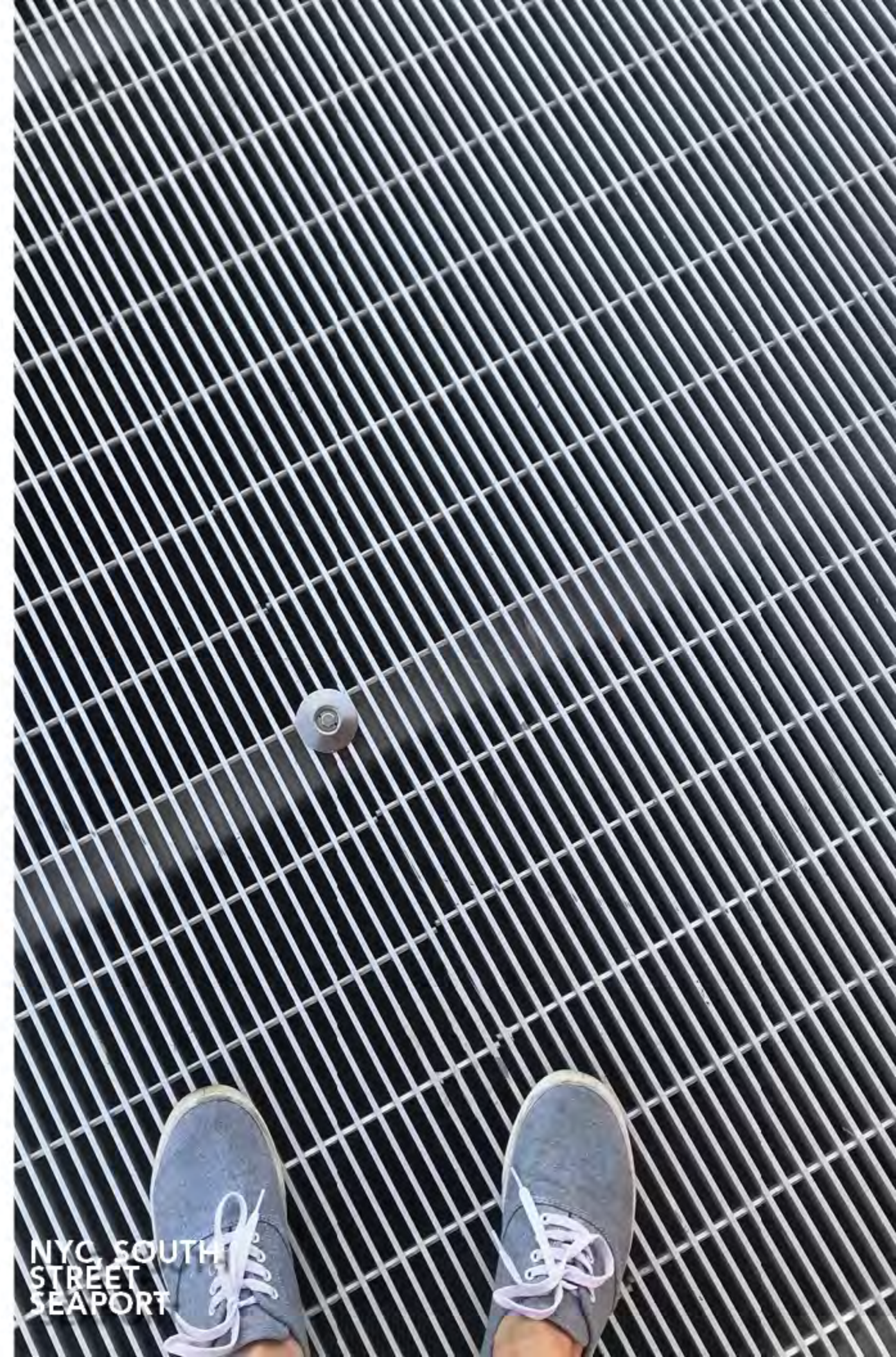
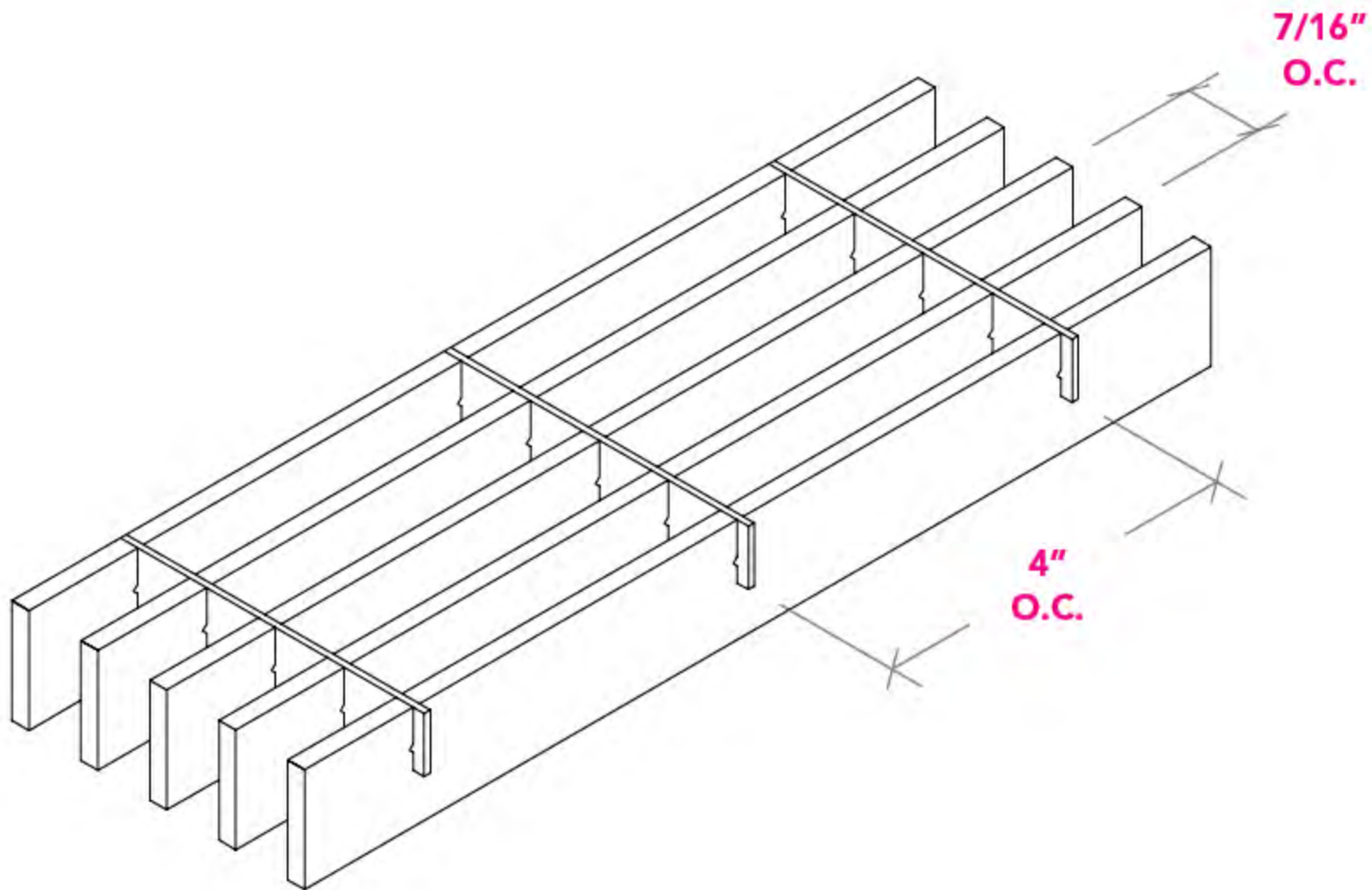


# METAL DECK OVER WET PLANTERS

## MATERIAL

### REQUIREMENTS:

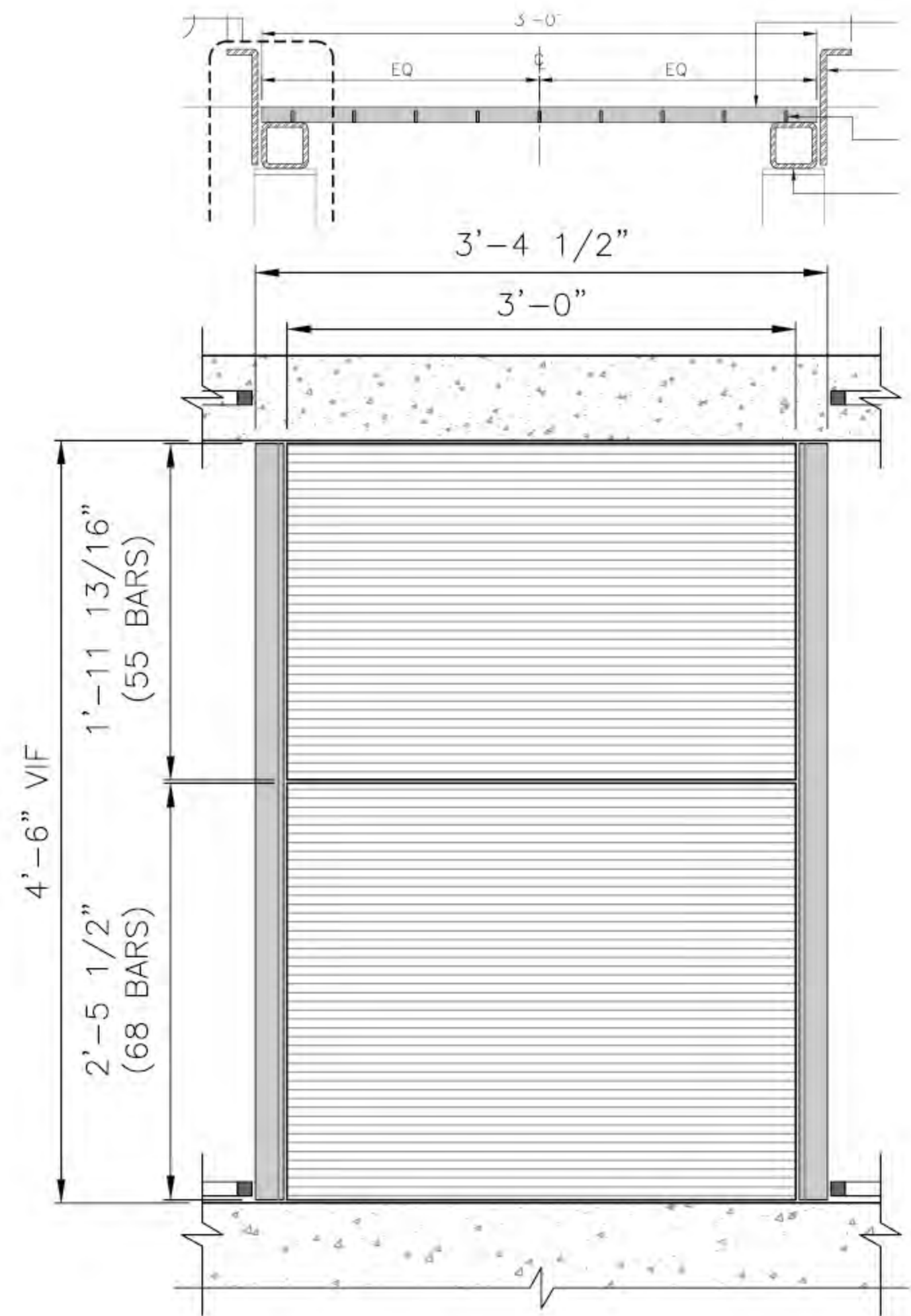
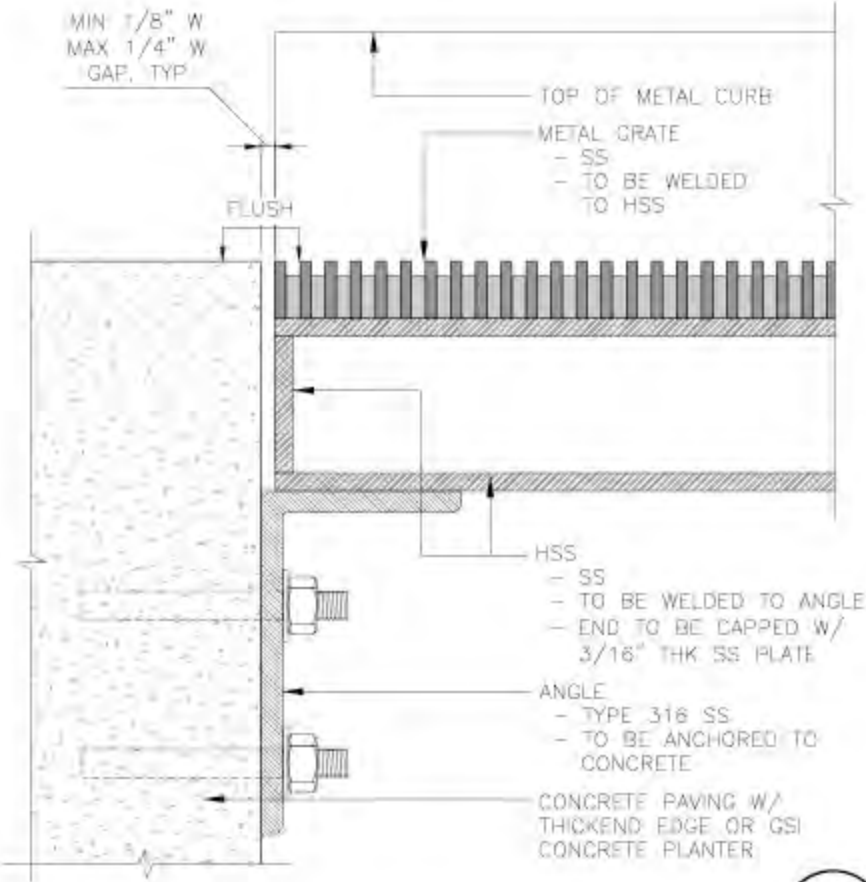
- ADA COMPLIANT
- SLIP RESISTANT





# METAL DECK OVER WET PLANTERS

## DETAILS





**FURNISHING**  
**PALETTE**



**WATERFRONT RAILING**



**BENCH**



**STEEL EDGING**



**BOARDWALK**



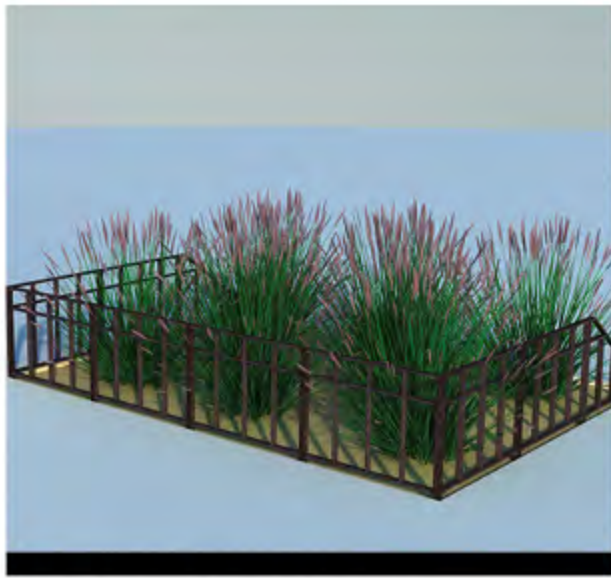
**DRINKING FOUNTAIN**



**BIKE RACKS**



**BOLLARD**



**TREE PIT GUARD**



**METAL DECK**

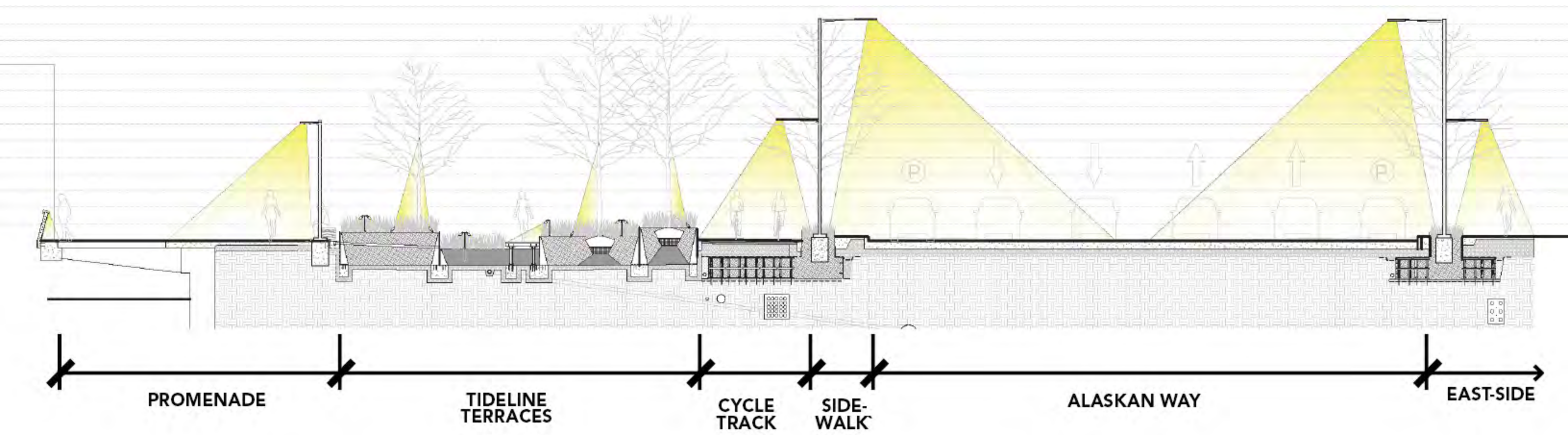


CONTINUOUS ELEMENTS

**LIGHTING**

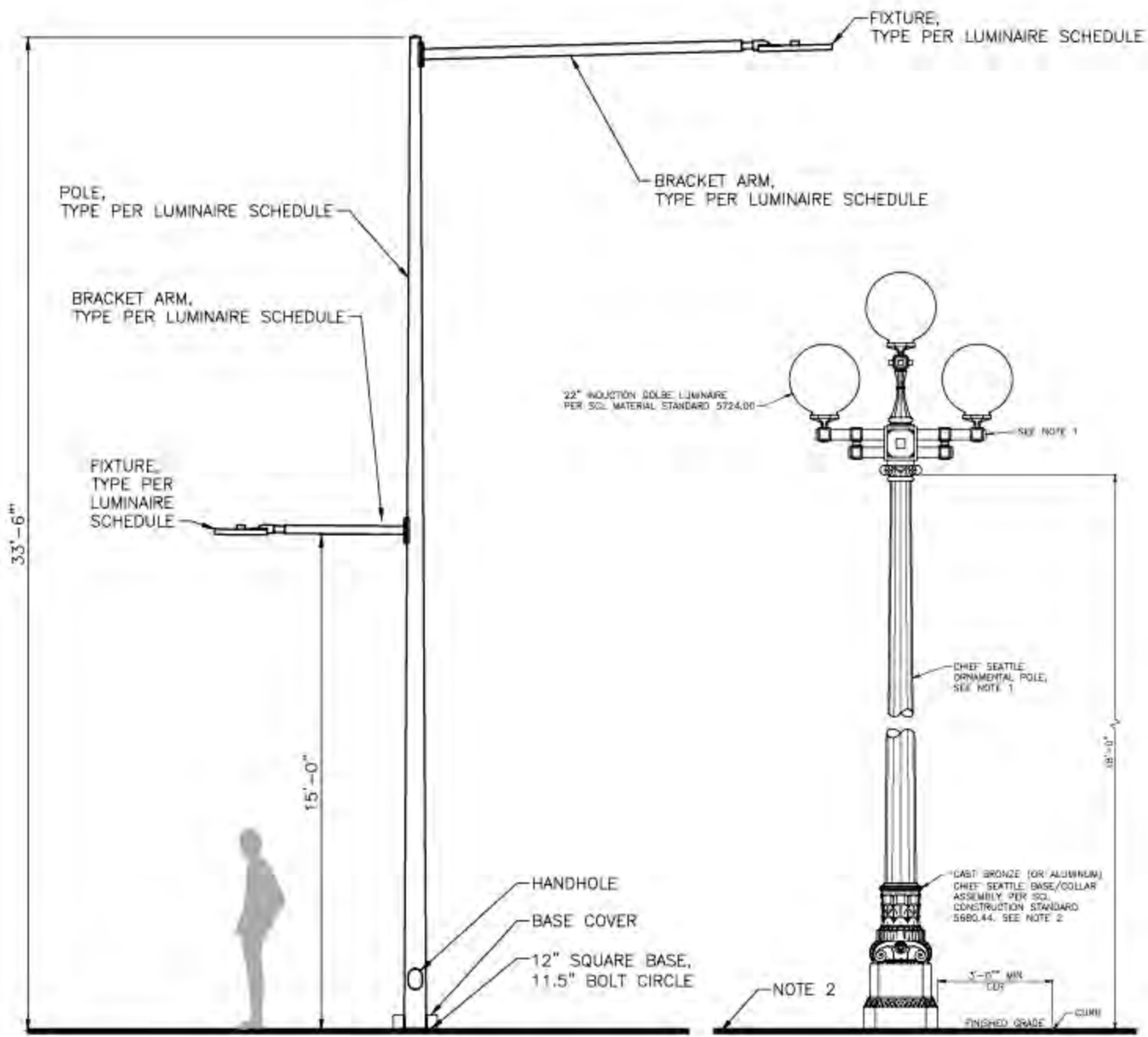


**LIGHTING**  
CONTINUOUS ELEMENTS





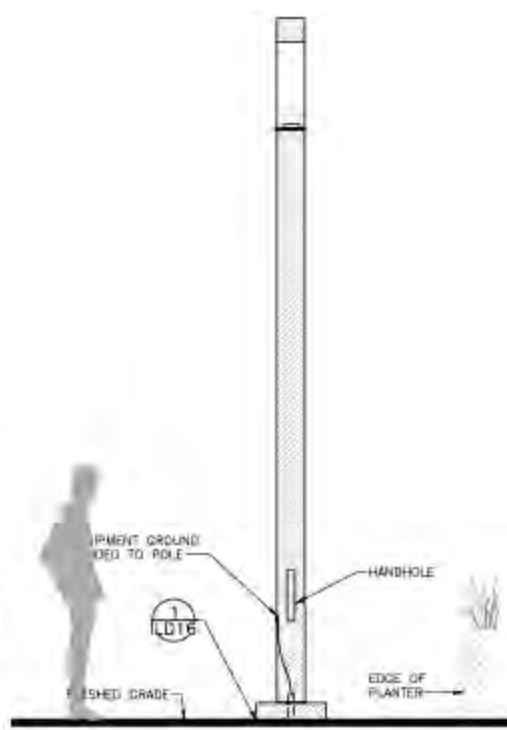
# LIGHTING PALETTE



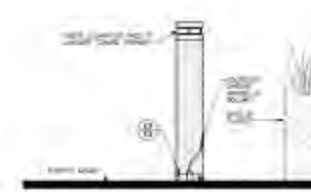
HI-LOW STREET LIGHT



TRI-GLOBE



PROMENADE  
COLUMN LIGHT



PROMENADE  
BOLLARD LIGHT



GARDEN  
LIGHT



TREE  
UP-LIGHT





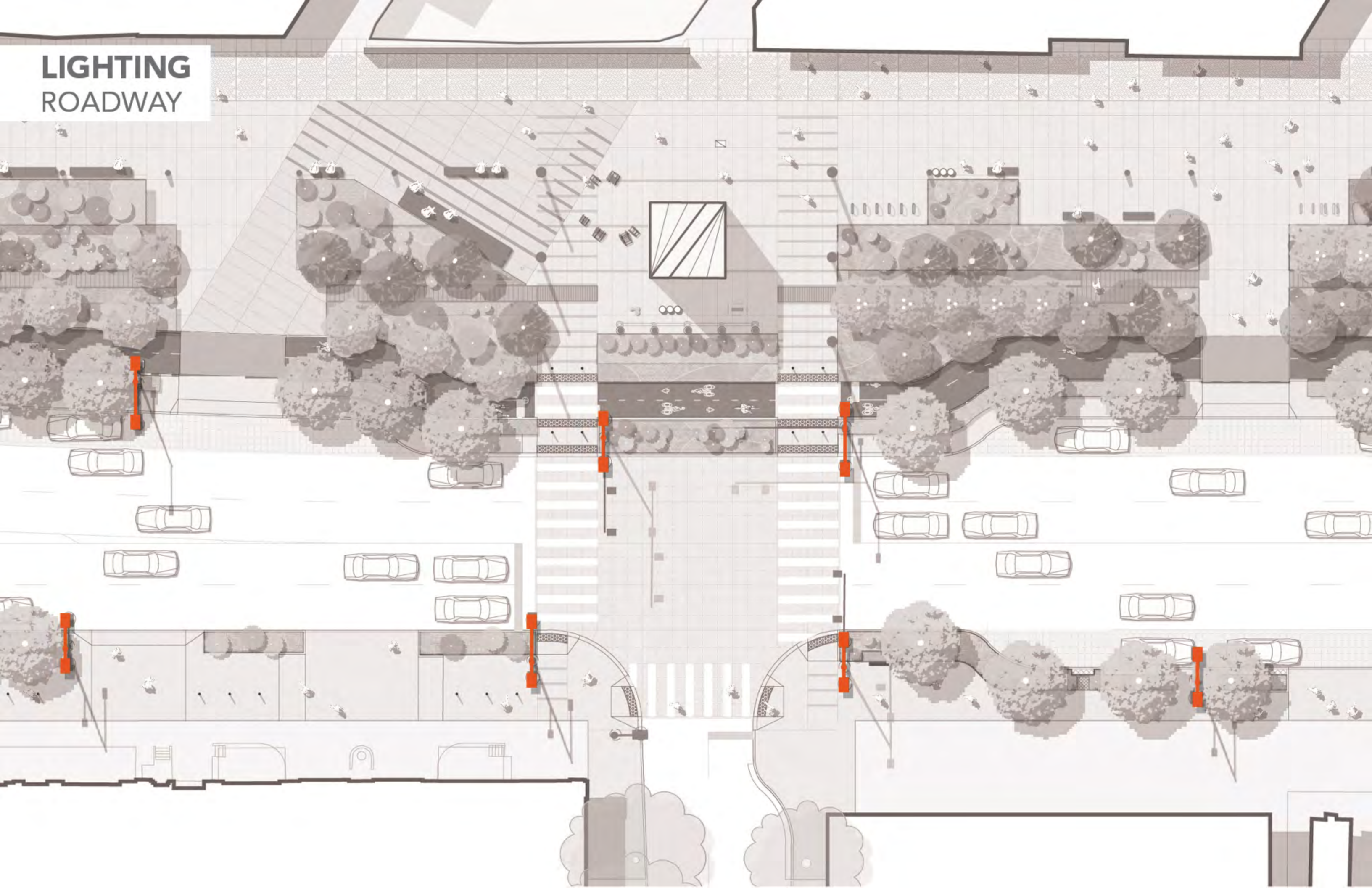
LIGHTING  
ROADWAY



-  ROADWAY LIGHTING
-  PIONEER SQUARE TRI-GLOBES
-  PROMENADE POLE
-  PROMENADE BOLLARD
-  TREE UP LIGHTS
-  GARDEN LIGHTS
-  BOARDWALK



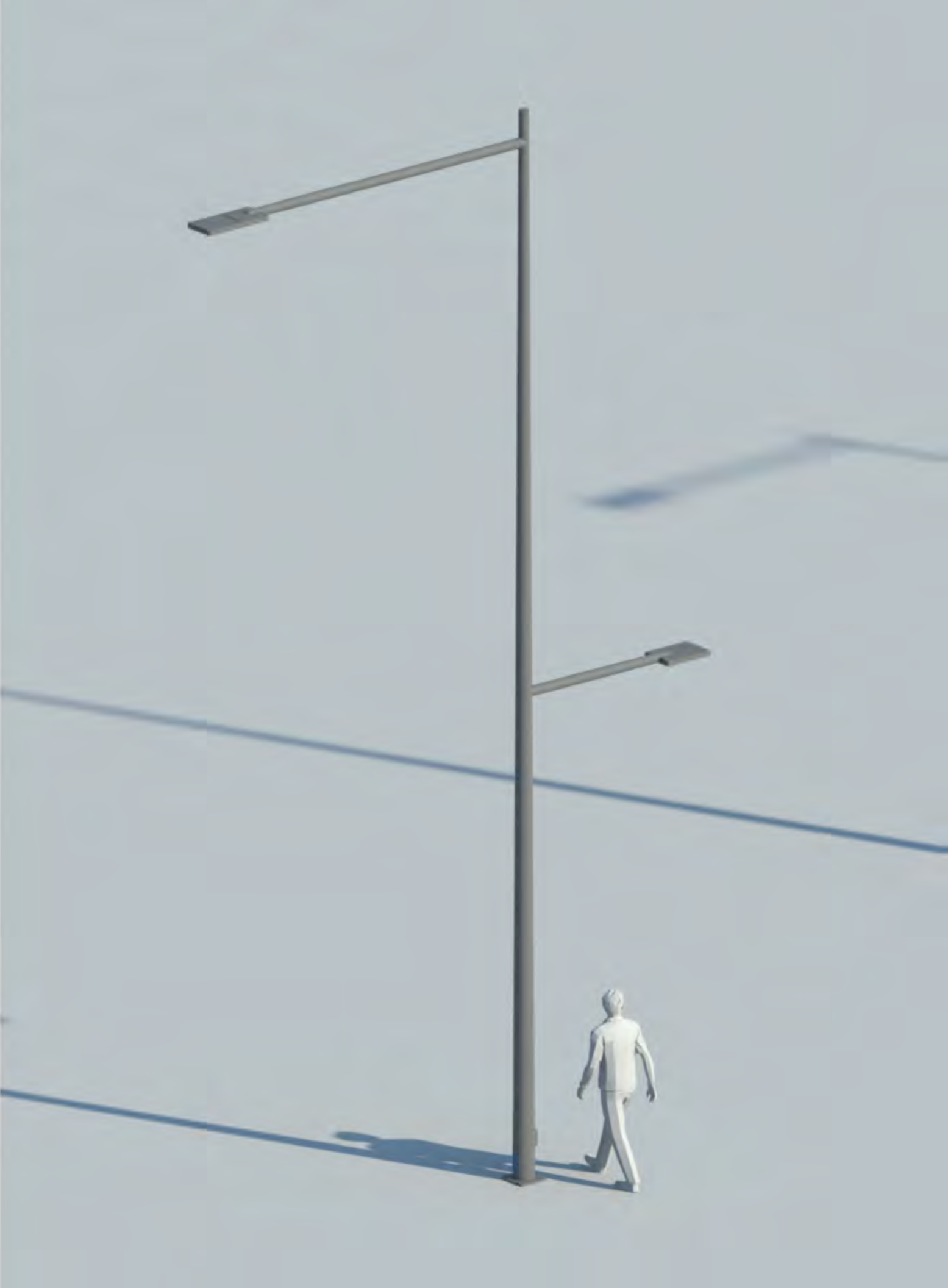
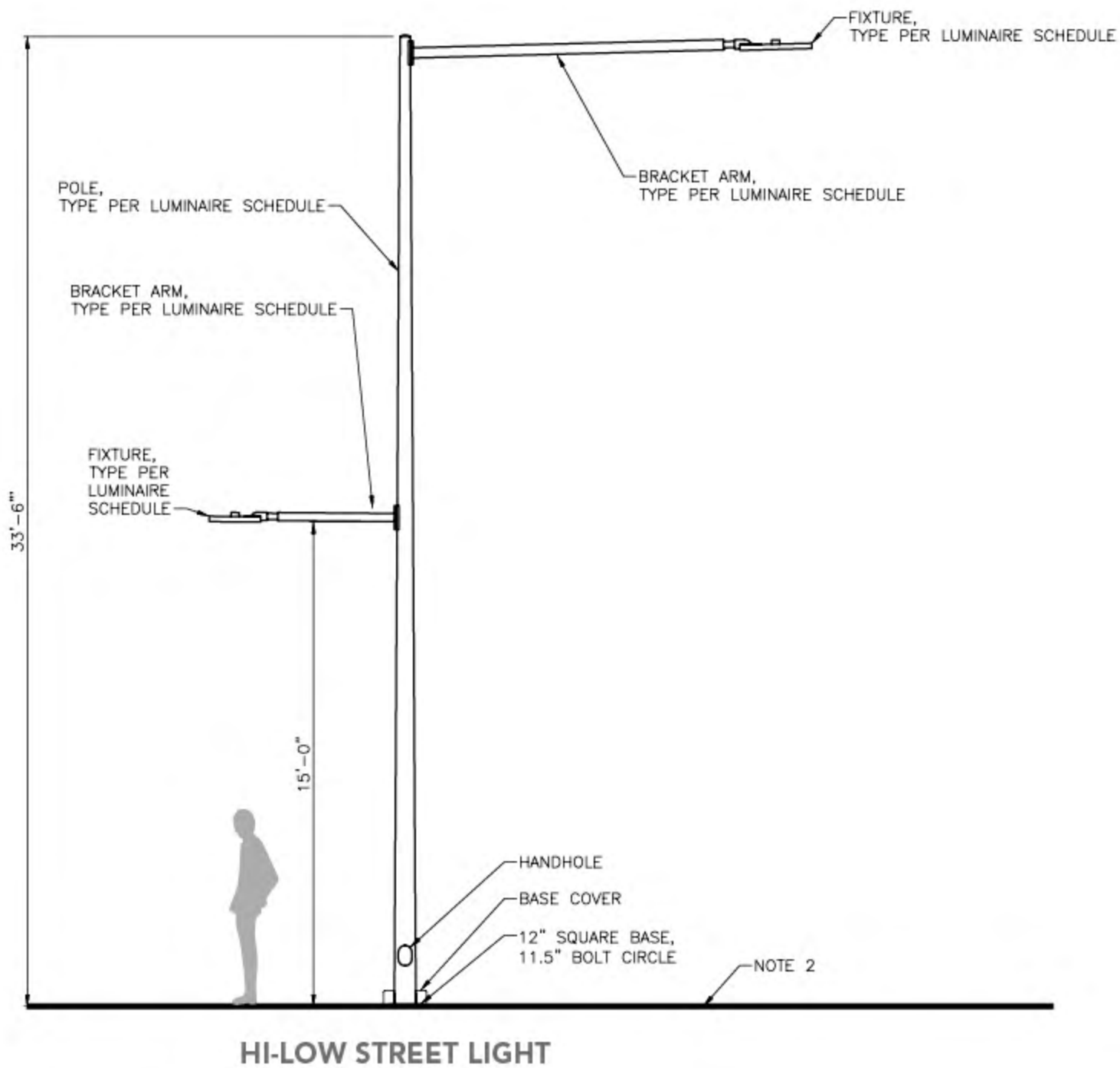
LIGHTING  
ROADWAY





LIGHTING

ROADWAY: HIGH-LOW





# LIGHTING

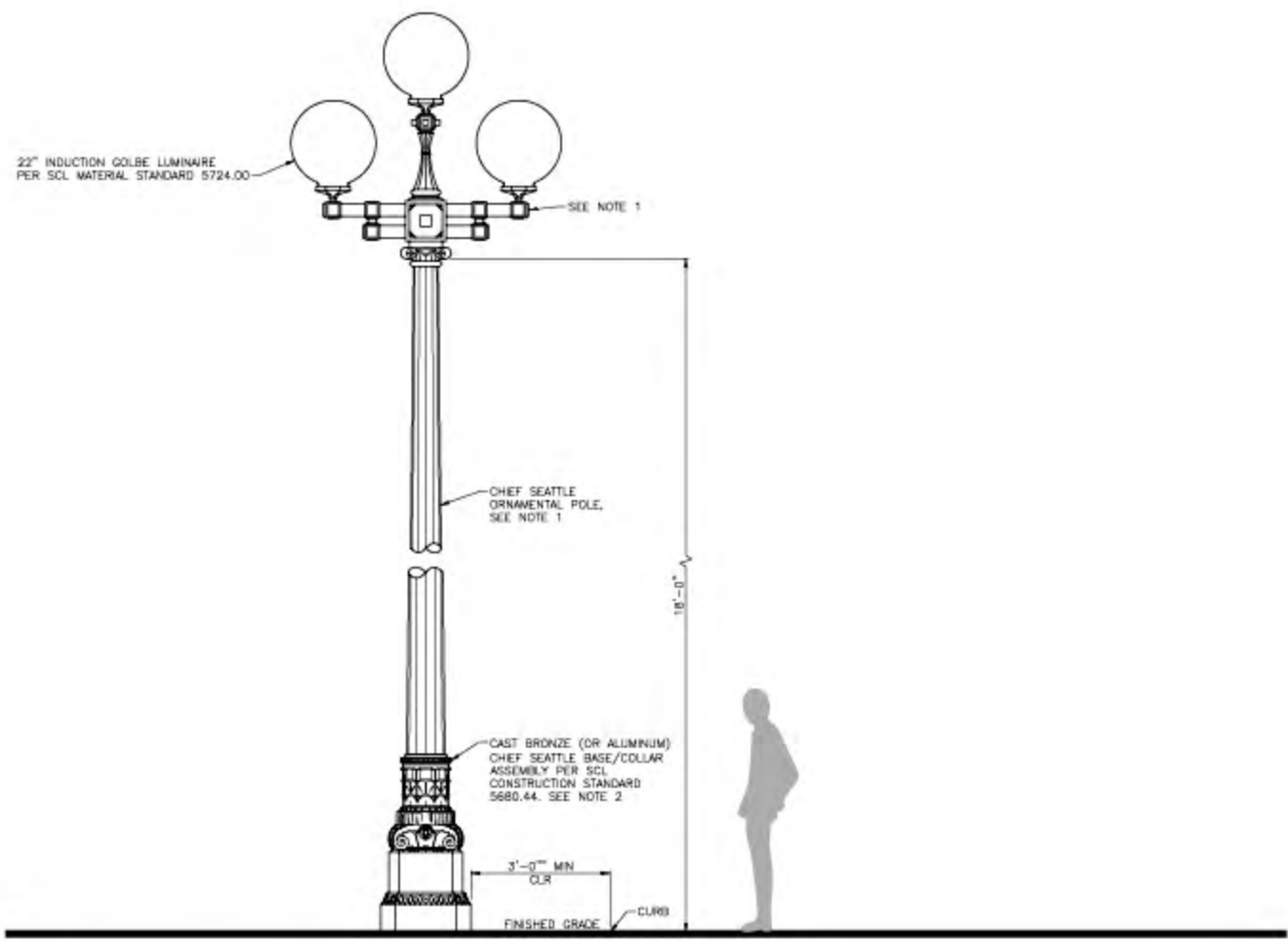
## PIONEER SQUARE TRI-GLOBES





# LIGHTING

## PIONEER SQUARE TRI-GLOBES



TRI-GLOBE





# LIGHTING

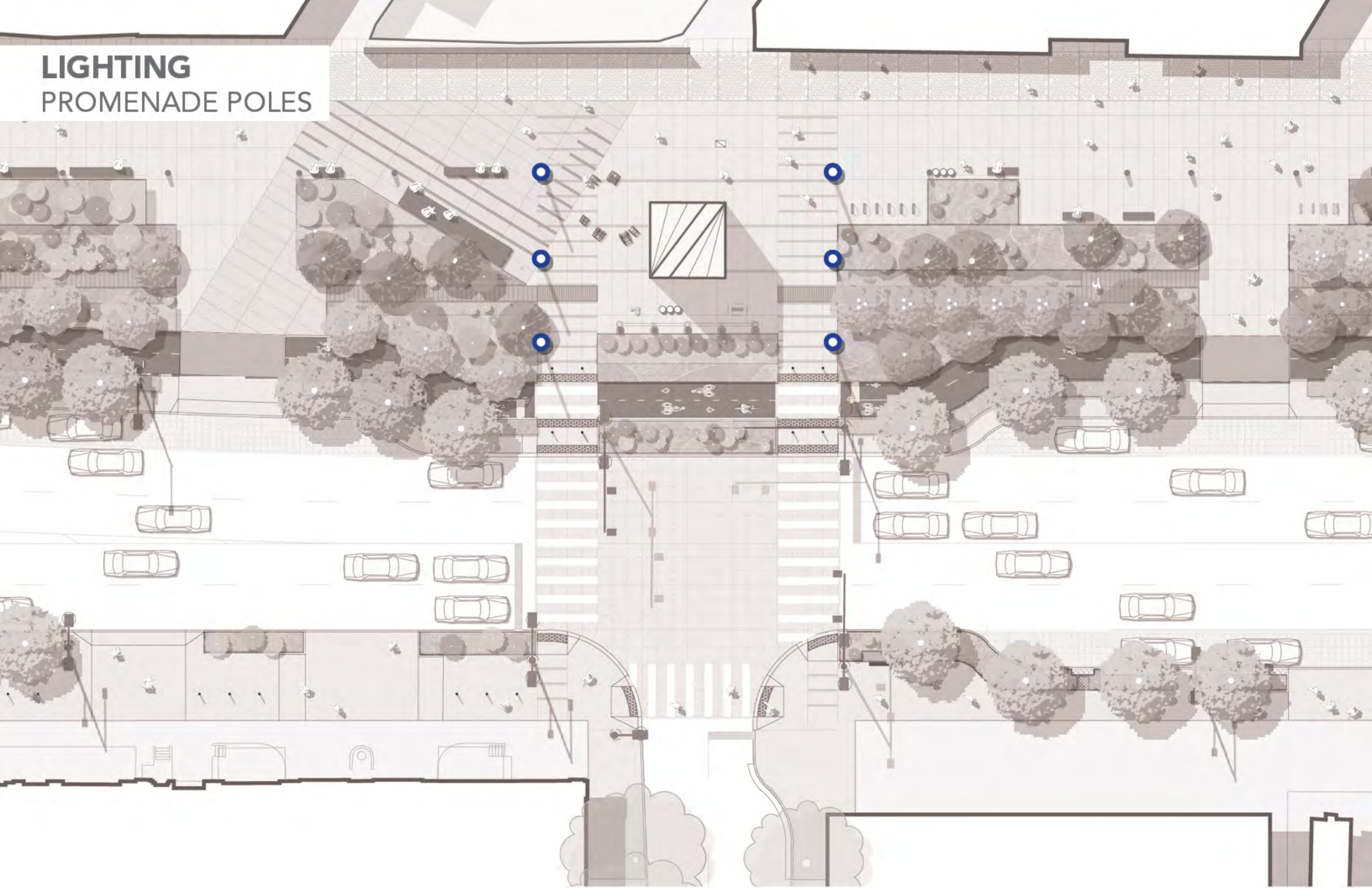
## PROMENADE POLES



-  ROADWAY LIGHTING
-  PIONEER SQUARE TRI-GLOBES
-  **PROMENADE POLE**
-  PROMENADE BOLLARD
-  TREE UP LIGHTS
-  GARDEN LIGHTS
-  BOARDWALK

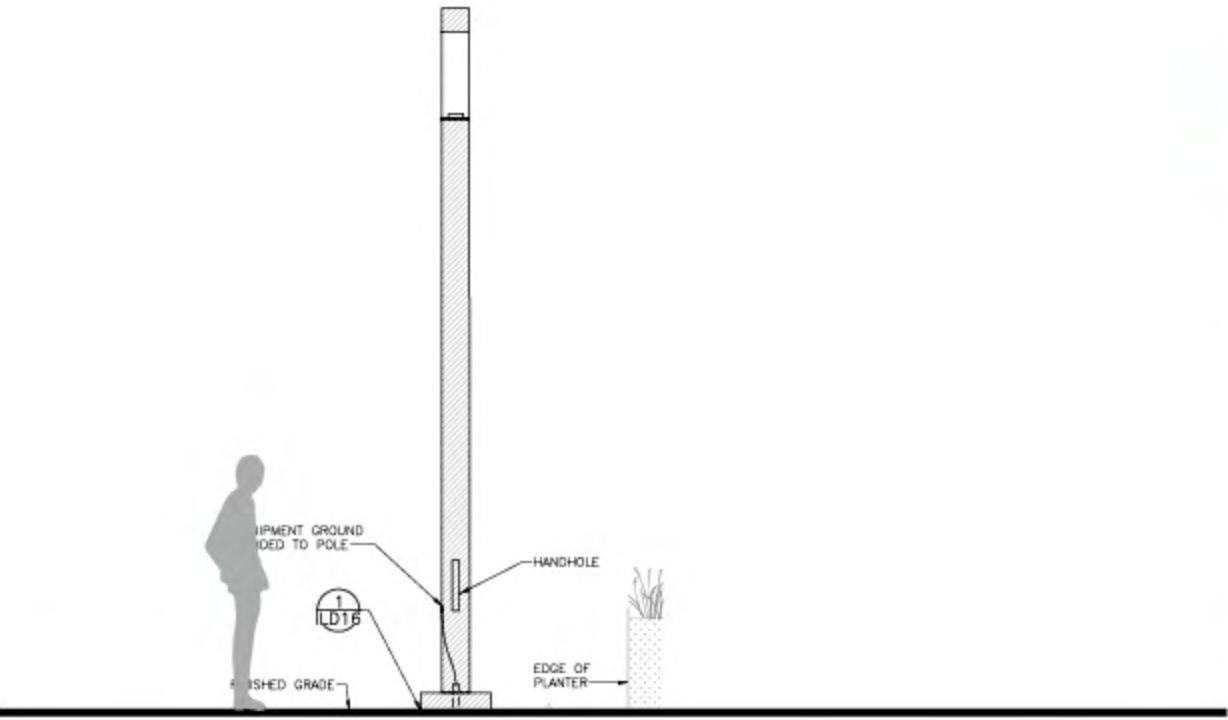


**LIGHTING**  
PROMENADE POLES





**LIGHTING**  
PROMENADE POLES



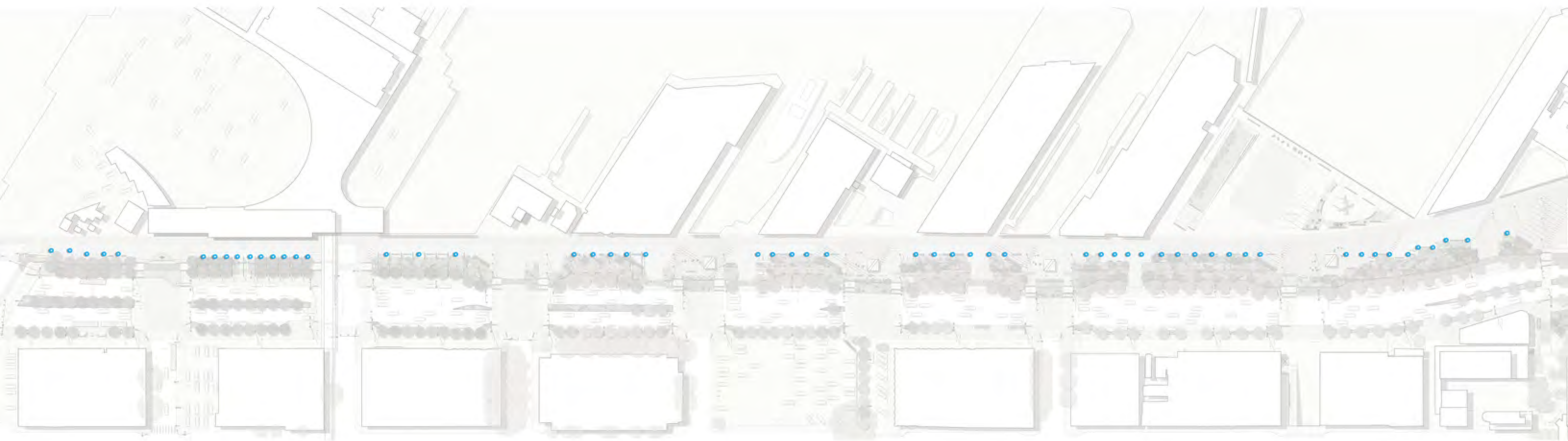
**PROMENADE  
COLUMN LIGHT**












# LIGHTING

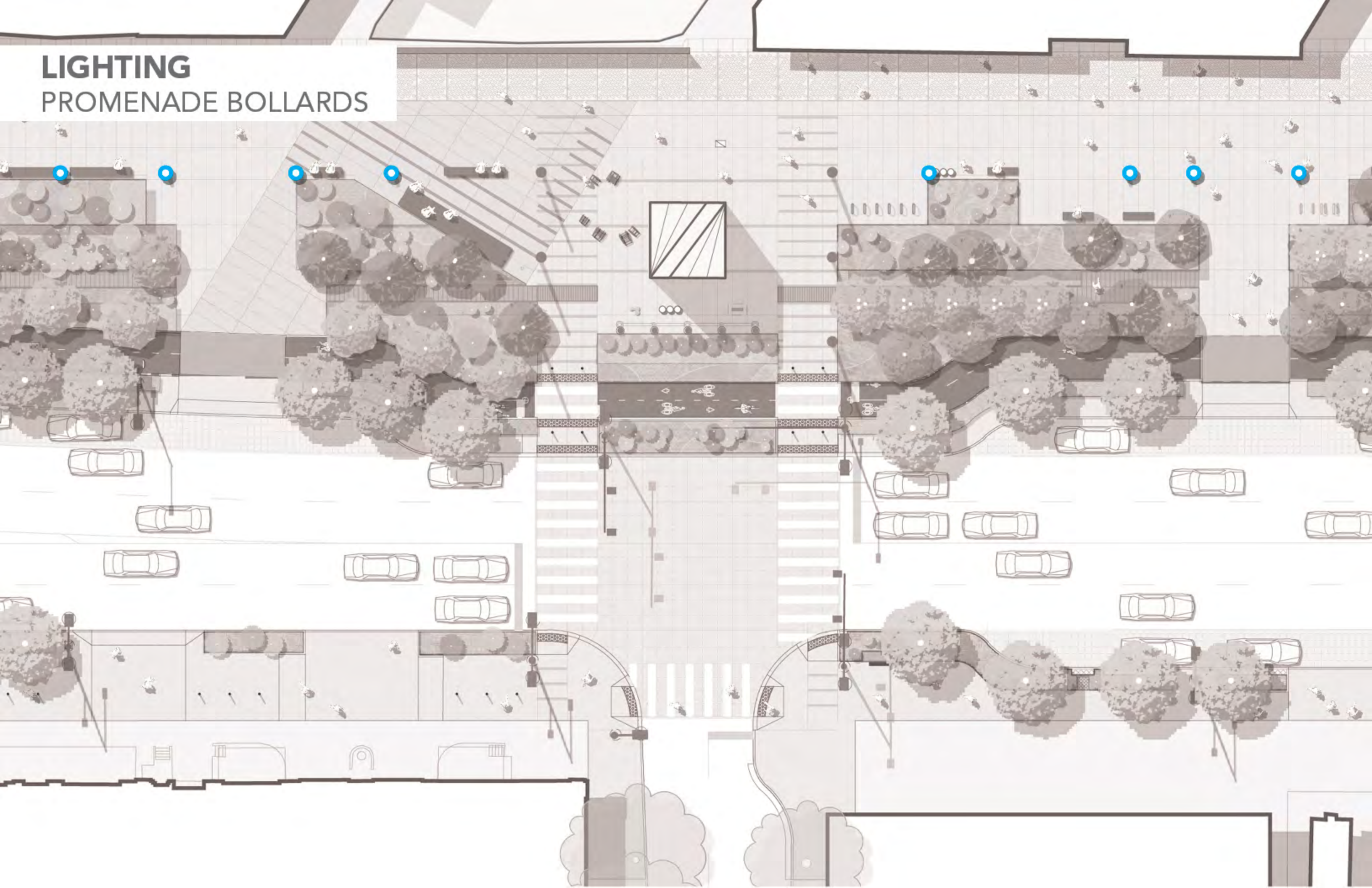
## PROMENADE BOLLARDS



-  ROADWAY LIGHTING
-  PIONEER SQUARE TRI-GLOBES
-  PROMENADE POLE
-  **PROMENADE BOLLARD**
-  TREE UP LIGHTS
-  GARDEN LIGHTS
-  BOARDWALK

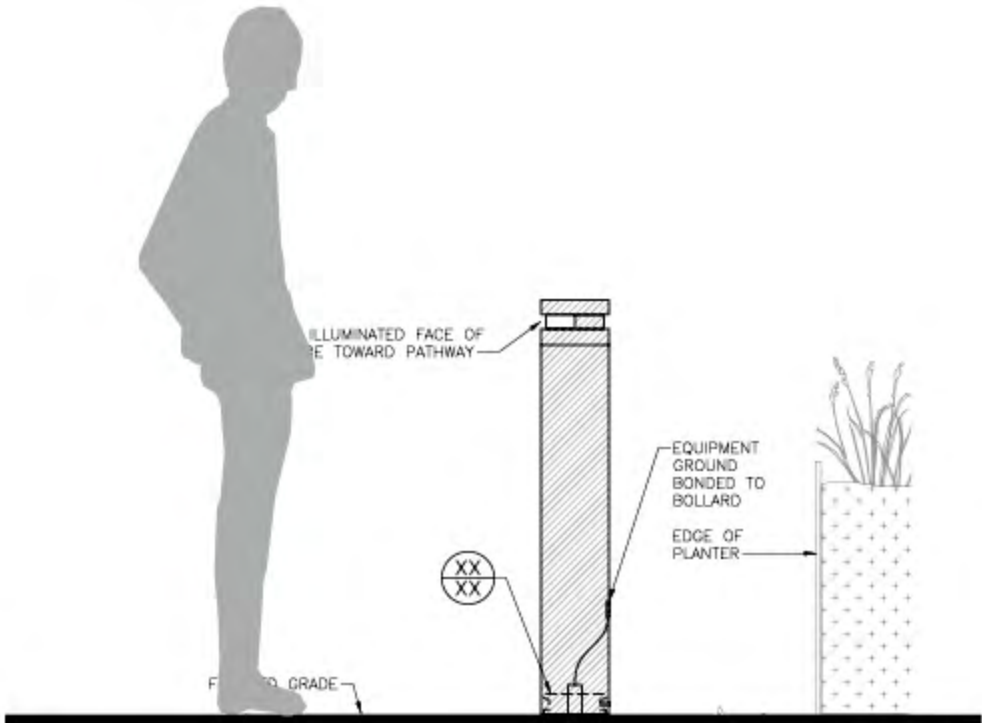


**LIGHTING**  
PROMENADE BOLLARDS





**LIGHTING**  
PROMENADE BOLLARDS



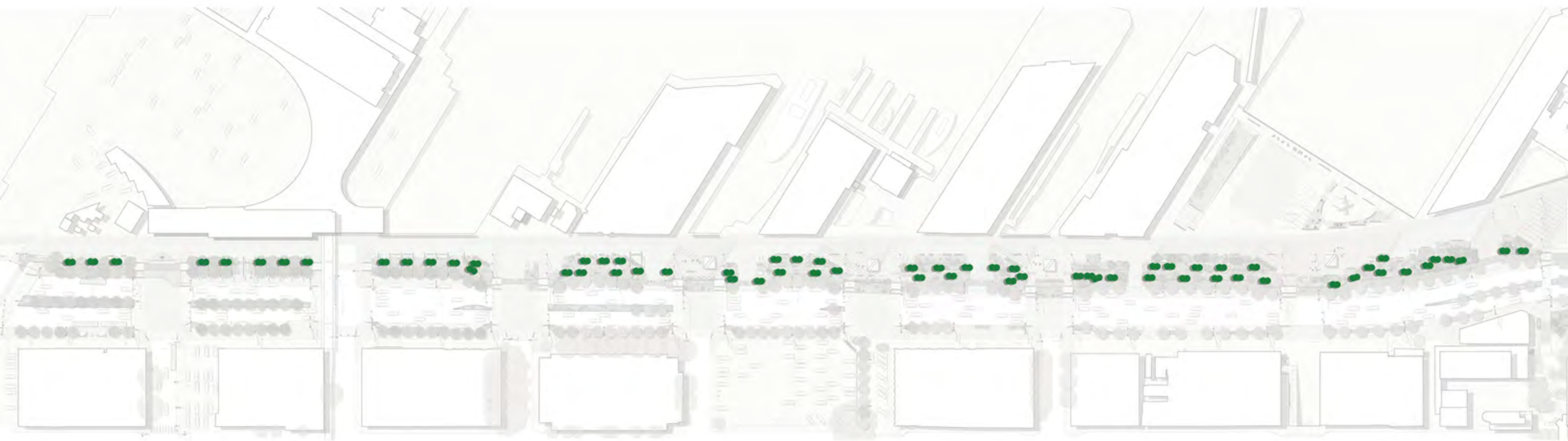
PROMENADE BOLLARD LIGHT












# LIGHTING

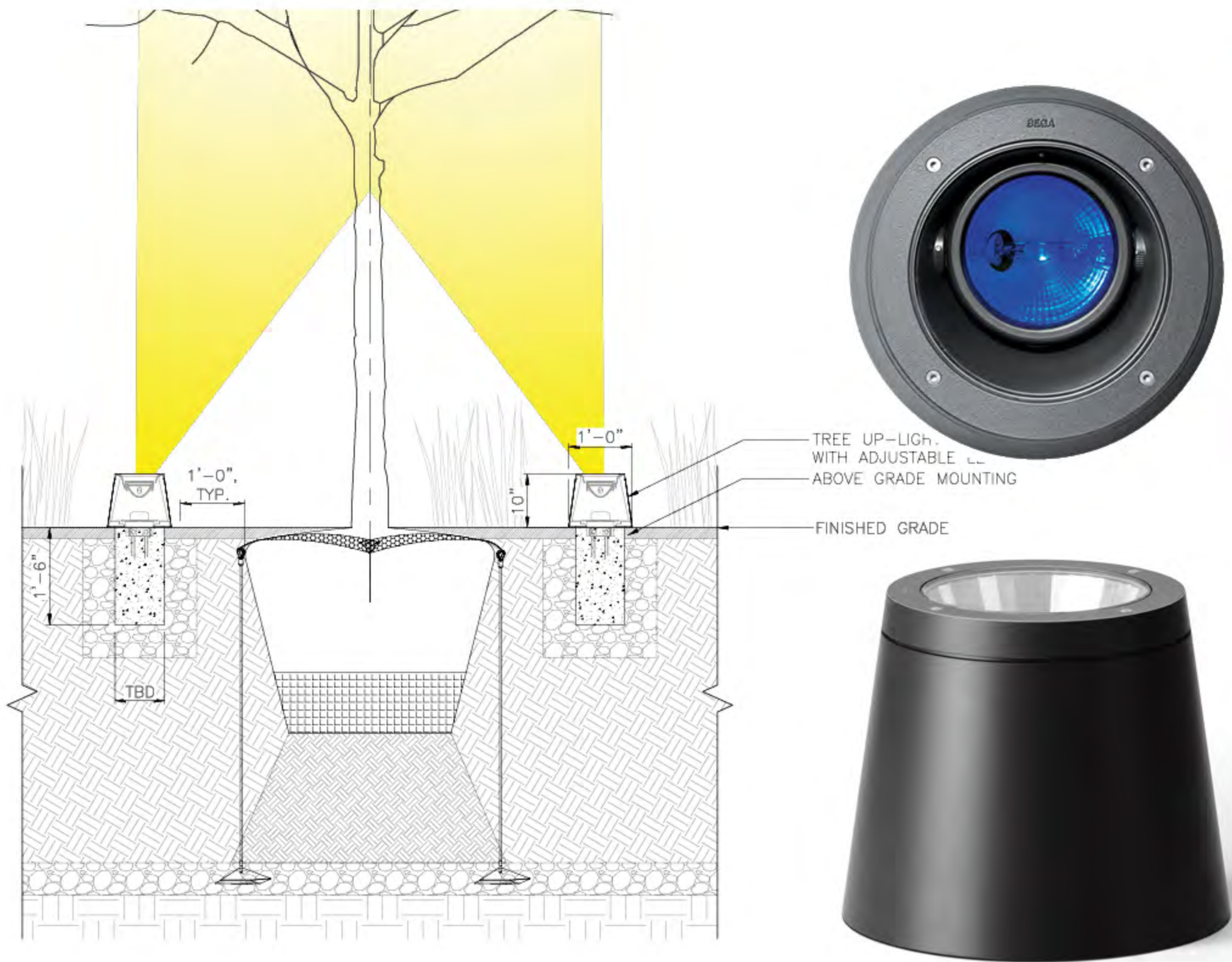
## UP LIGHTS



-  ROADWAY LIGHTING
-  PIONEER SQUARE TRI-GLOBES
-  PROMENADE POLE
-  PROMENADE BOLLARD
-  **TREE UP LIGHTS**
-  GARDEN LIGHTS
-  BOARDWALK



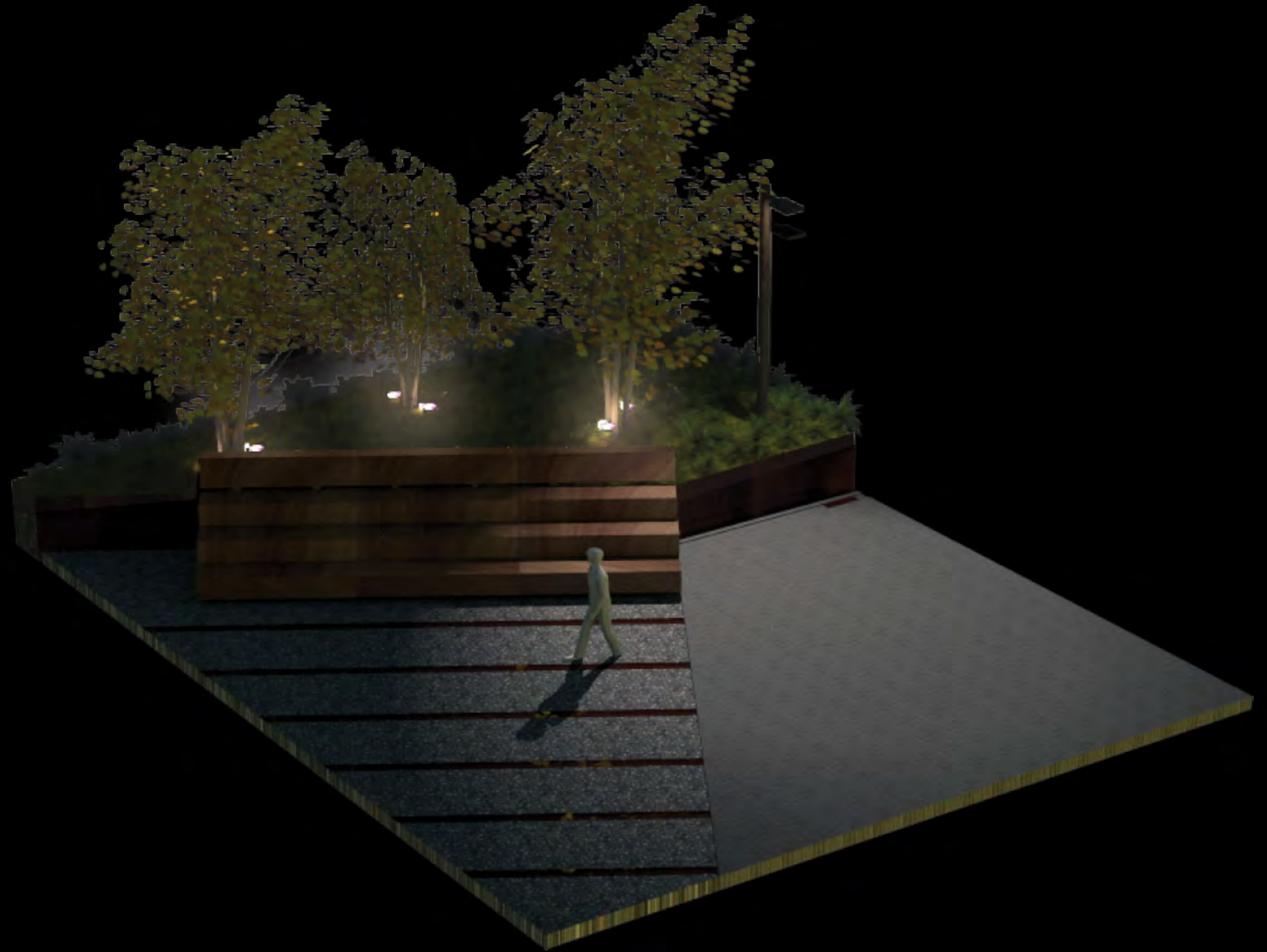
**LIGHTING**  
TREE UP LIGHTS





# LIGHTING

## TREE UP LIGHTS












# LIGHTING

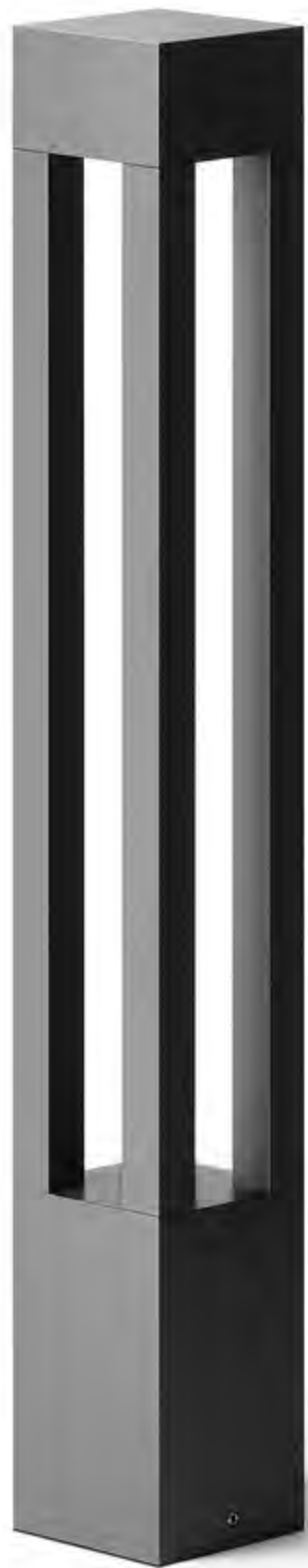
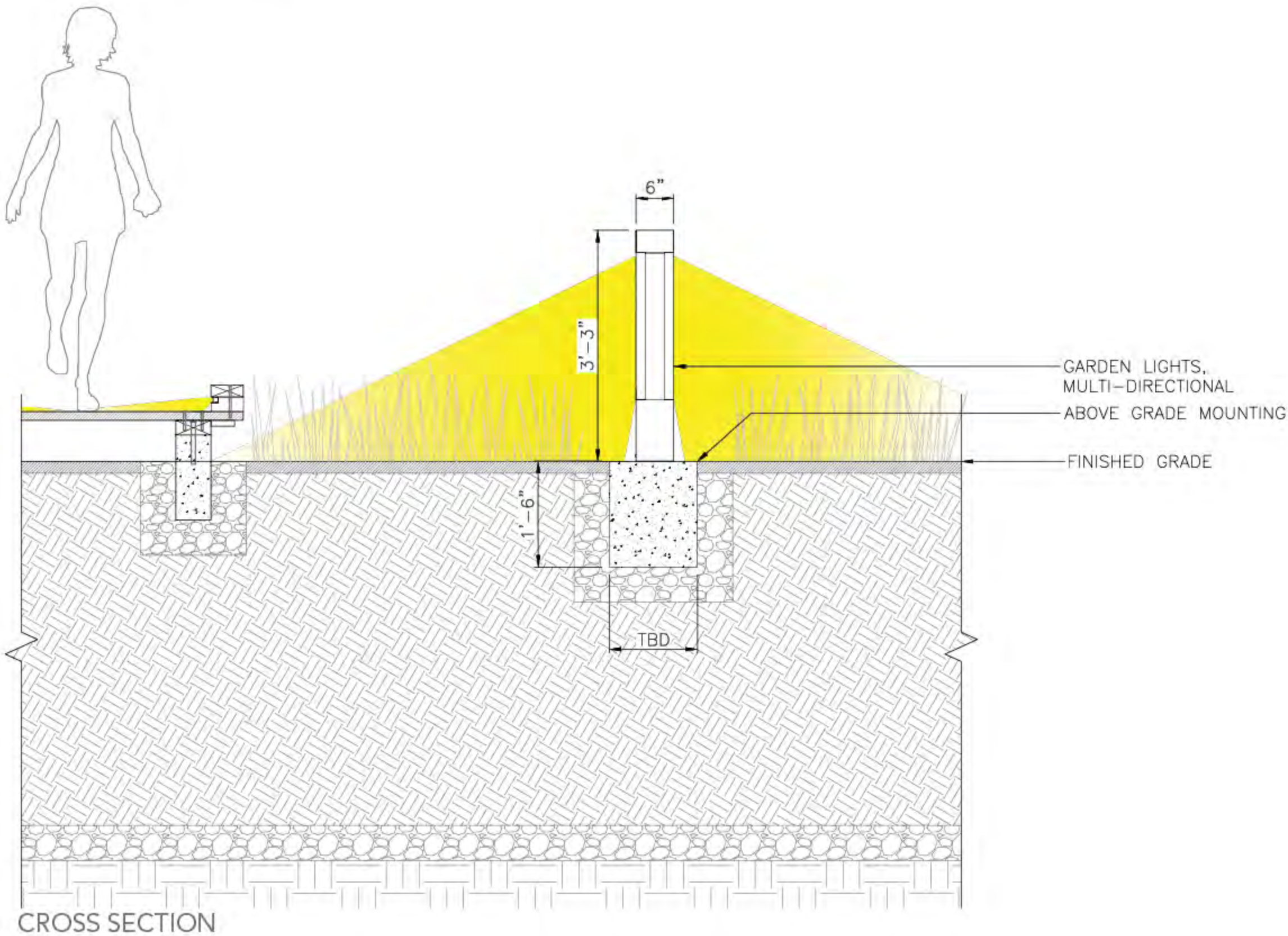
## GARDEN LIGHTS



-  ROADWAY LIGHTING
-  PIONEER SQUARE TRI-GLOBES
-  PROMENADE POLE
-  PROMENADE BOLLARD
-  TREE UP LIGHTS
-  **GARDEN LIGHTS**
-  BOARDWALK



**LIGHTING**  
GARDEN LIGHTS



LIGHTING FIXTURE



# LIGHTING

## GARDEN LIGHTS





# BOARDWALK LIGHTING





**END**