

SEATTLE DESIGN COMMISSION

WATERFRONT SEATTLE

MAIN CORRIDOR

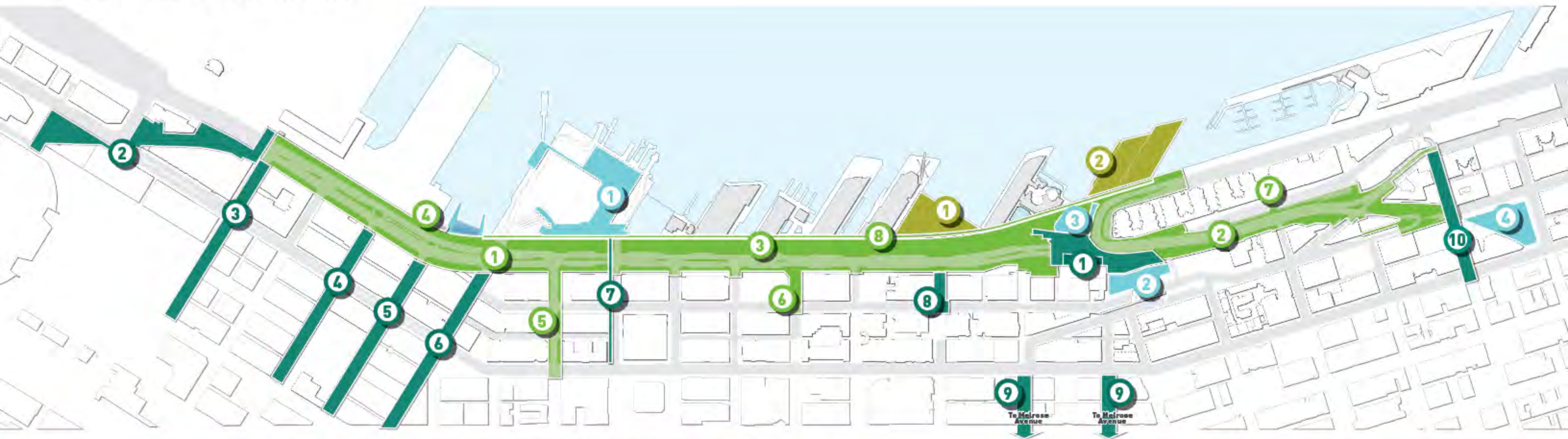
90% DESIGN

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



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- 1 ALASKAN WAY (KING TO PIKE ST.)
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- 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

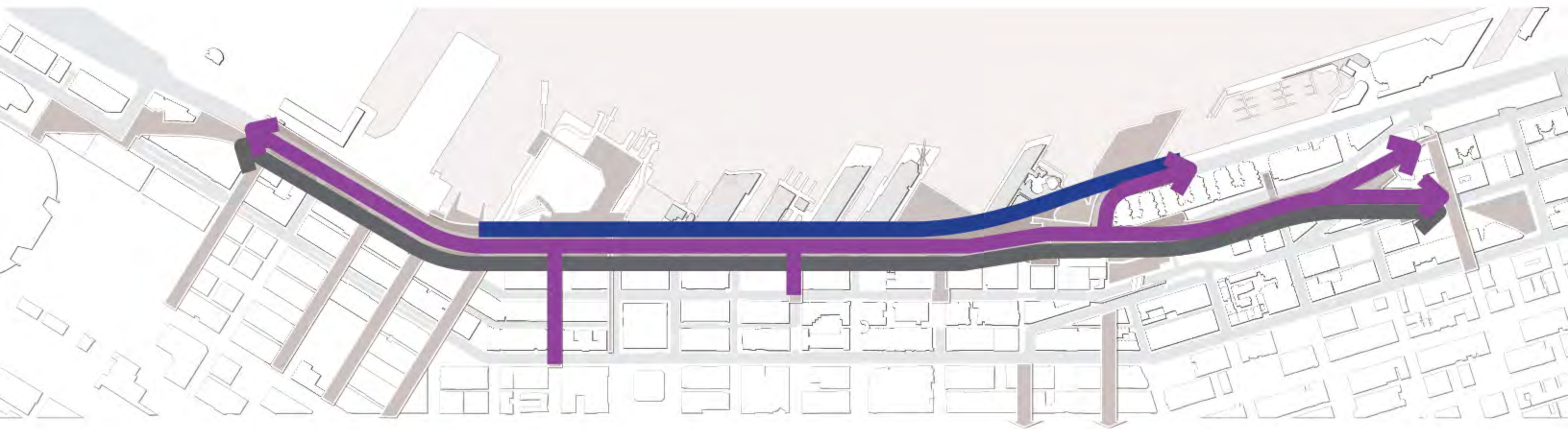
90% DESIGN

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

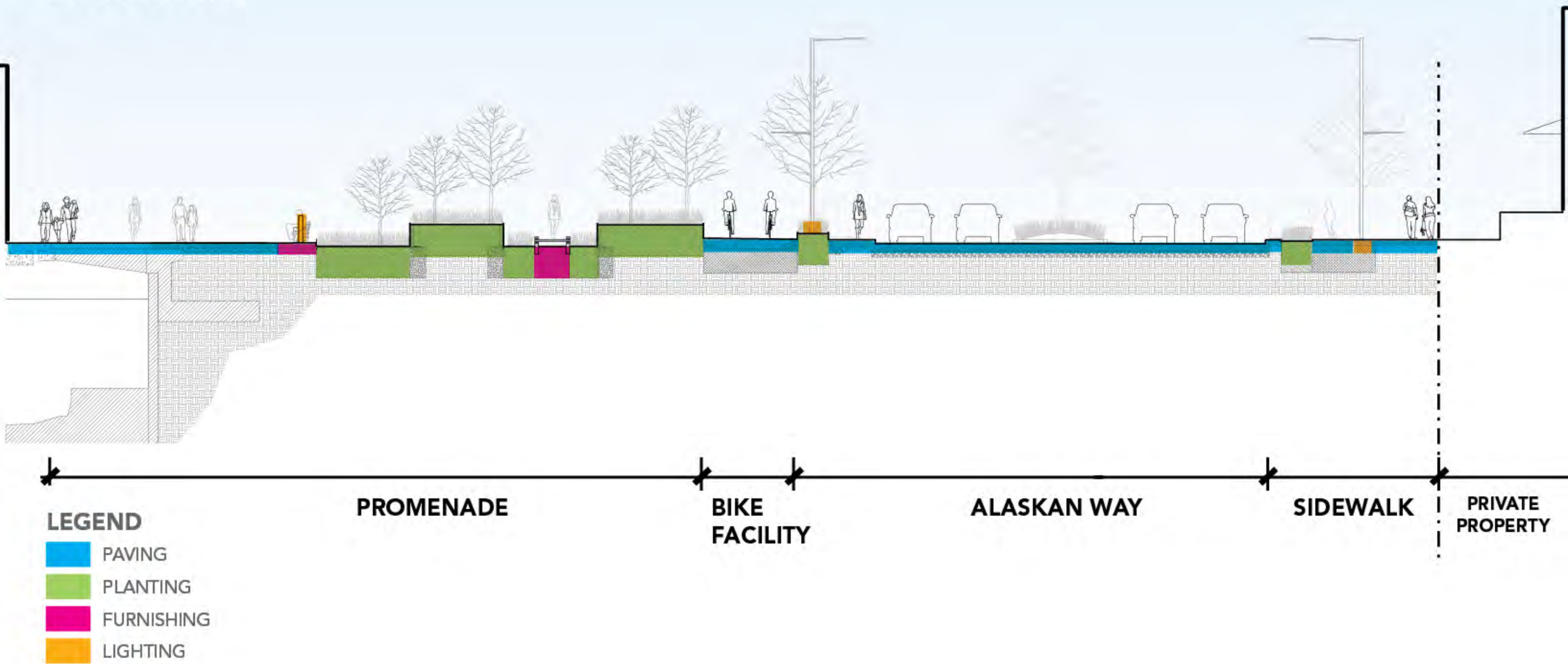


- LEGEND**
- PAVING
 - PLANTING
 - FURNISHING
 - LIGHTING

CONTINUOUS ELEMENTS

MAIN CORRIDOR

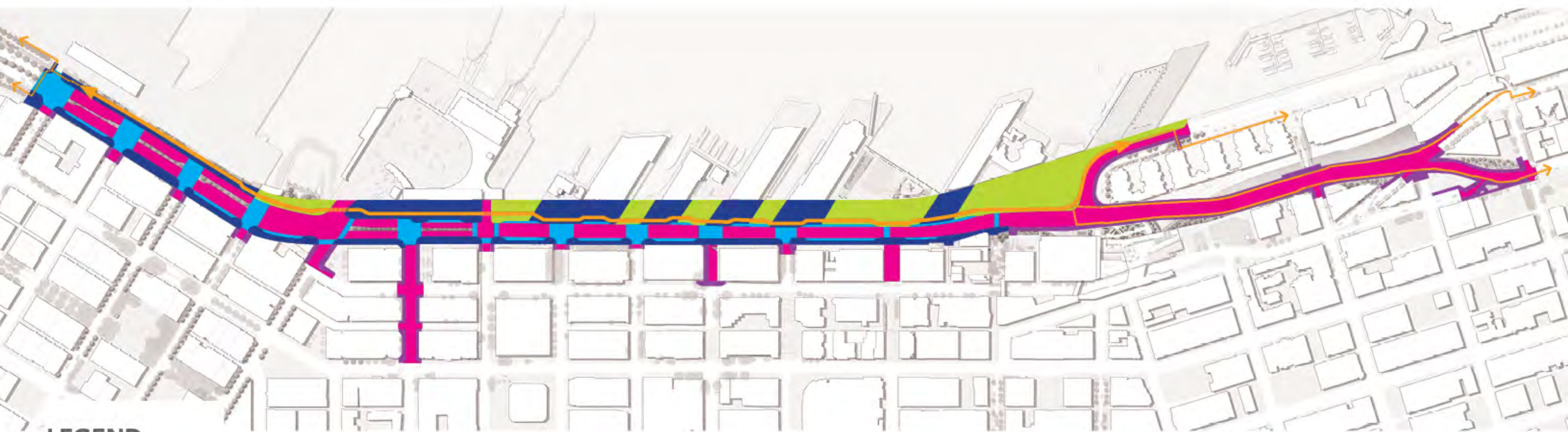
- 1. PAVING
- 2. PLANTING
- 3. FURNISHING
- 4. LIGHTING



CONTINUOUS ELEMENTS

PAVING

PAVING MATERIALS

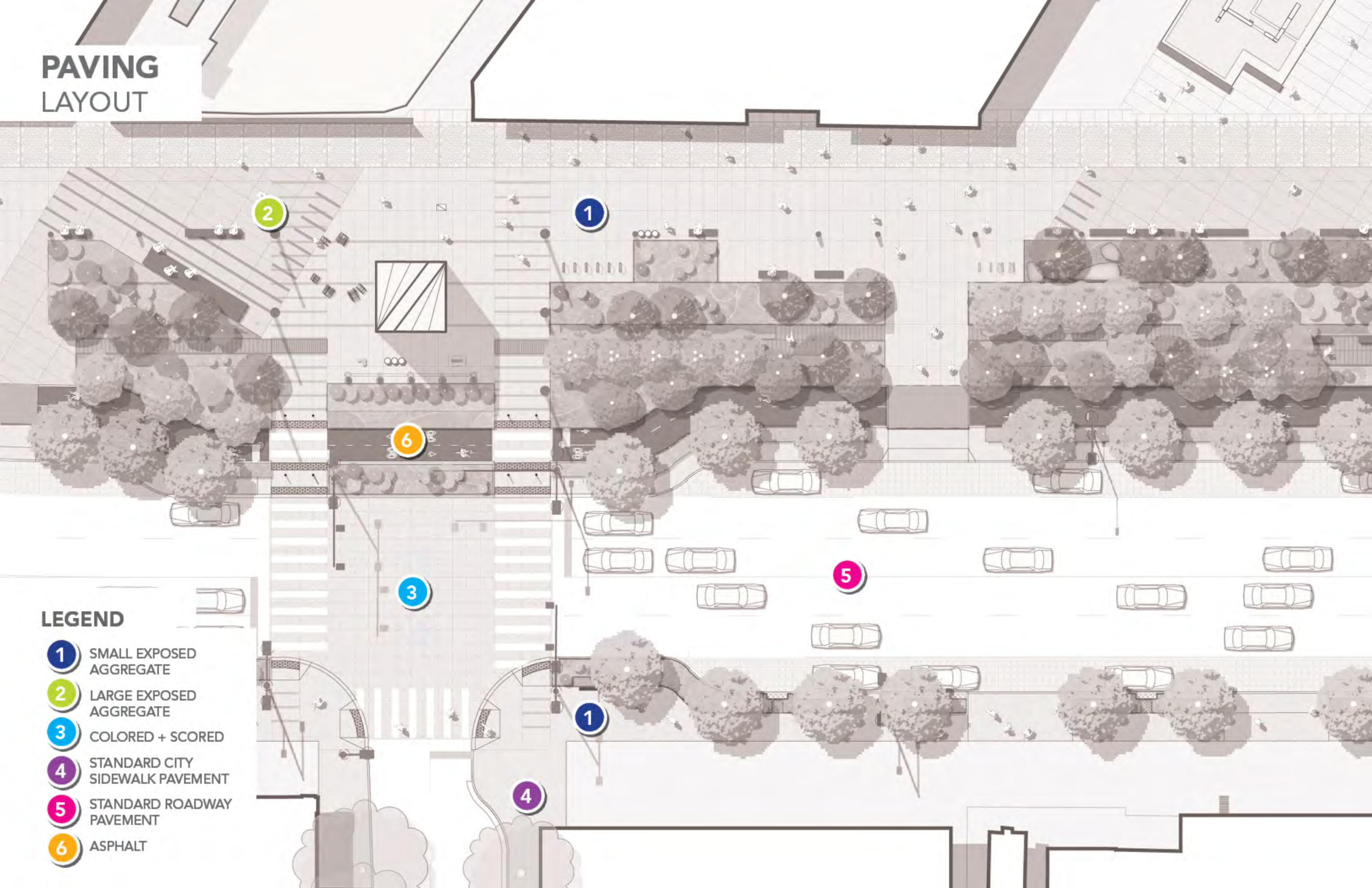


- LEGEND**
- SMALL EXPOSED AGGREGATE
 - LARGE EXPOSED AGGREGATE
 - COLORED + SCORED
 - STANDARD CITY SIDEWALK PAVEMENT
 - STANDARD ROADWAY PAVEMENT
 - ASPHALT

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

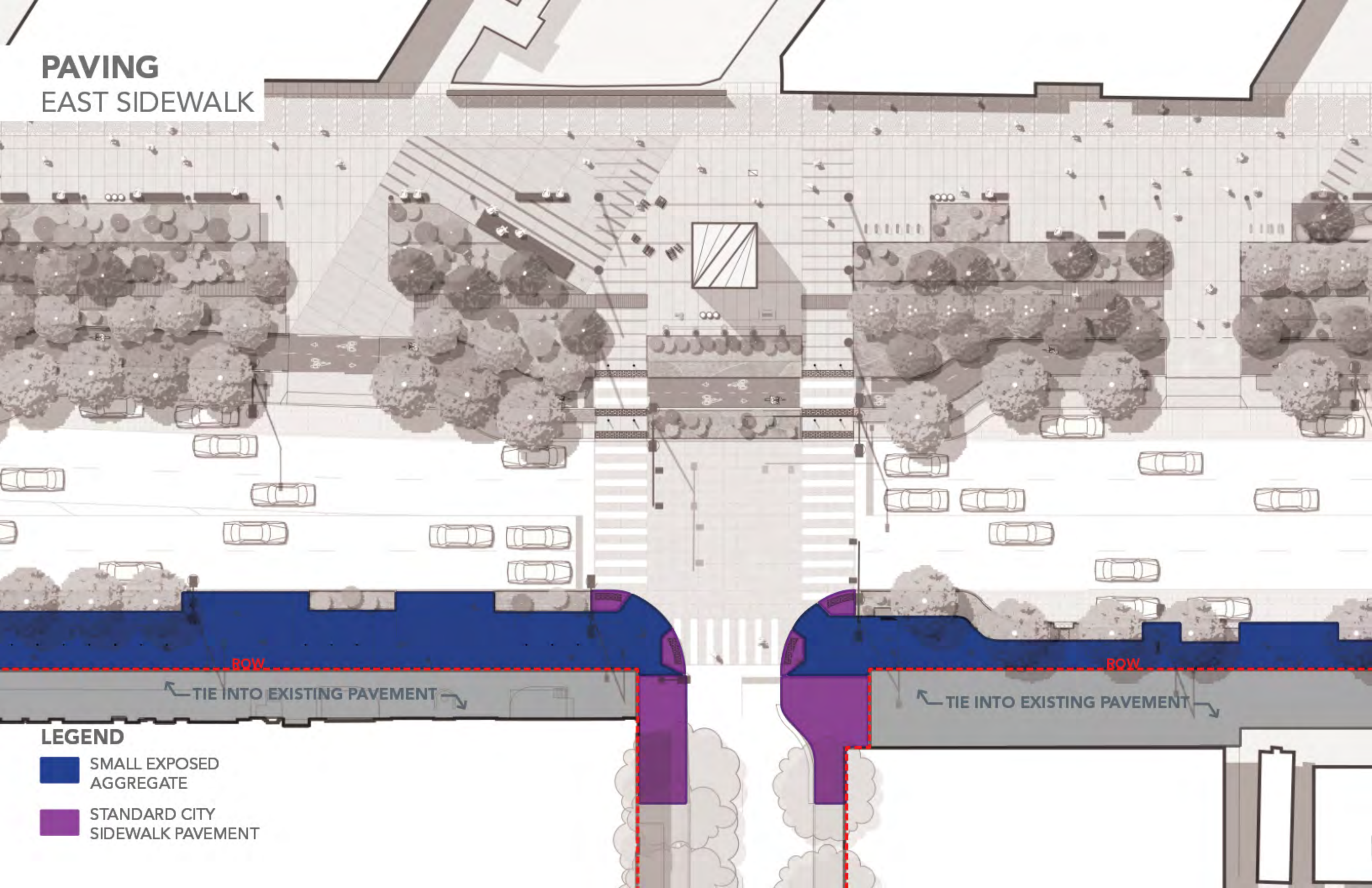
EAST SIDEWALK



LEGEND

- SMALL EXPOSED AGGREGATE
- STANDARD CITY SIDEWALK PAVEMENT

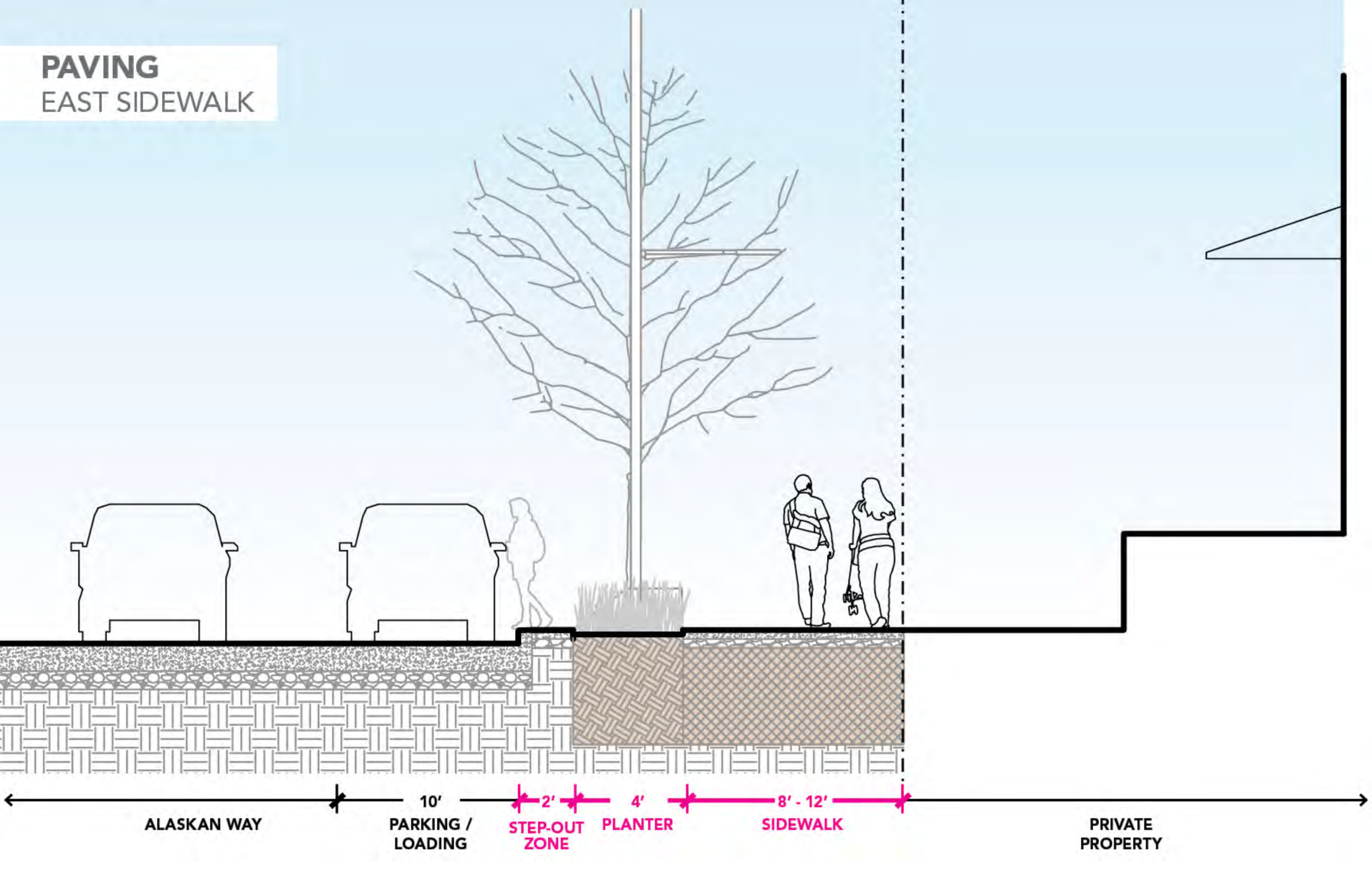
PAVING EAST SIDEWALK



LEGEND

- SMALL EXPOSED AGGREGATE
- STANDARD CITY SIDEWALK PAVEMENT

PAVING
EAST SIDEWALK



PAVING RIGHT OF WAY



ONE
WAY
→

< PUBLIC

ROW

PRIVATE >

PAVING
RIGHT OF WAY



PAVING
EAST SIDEWALK



PAVING

SMALL EXPOSED AGGREGATE



SURFACE AGGREGATE

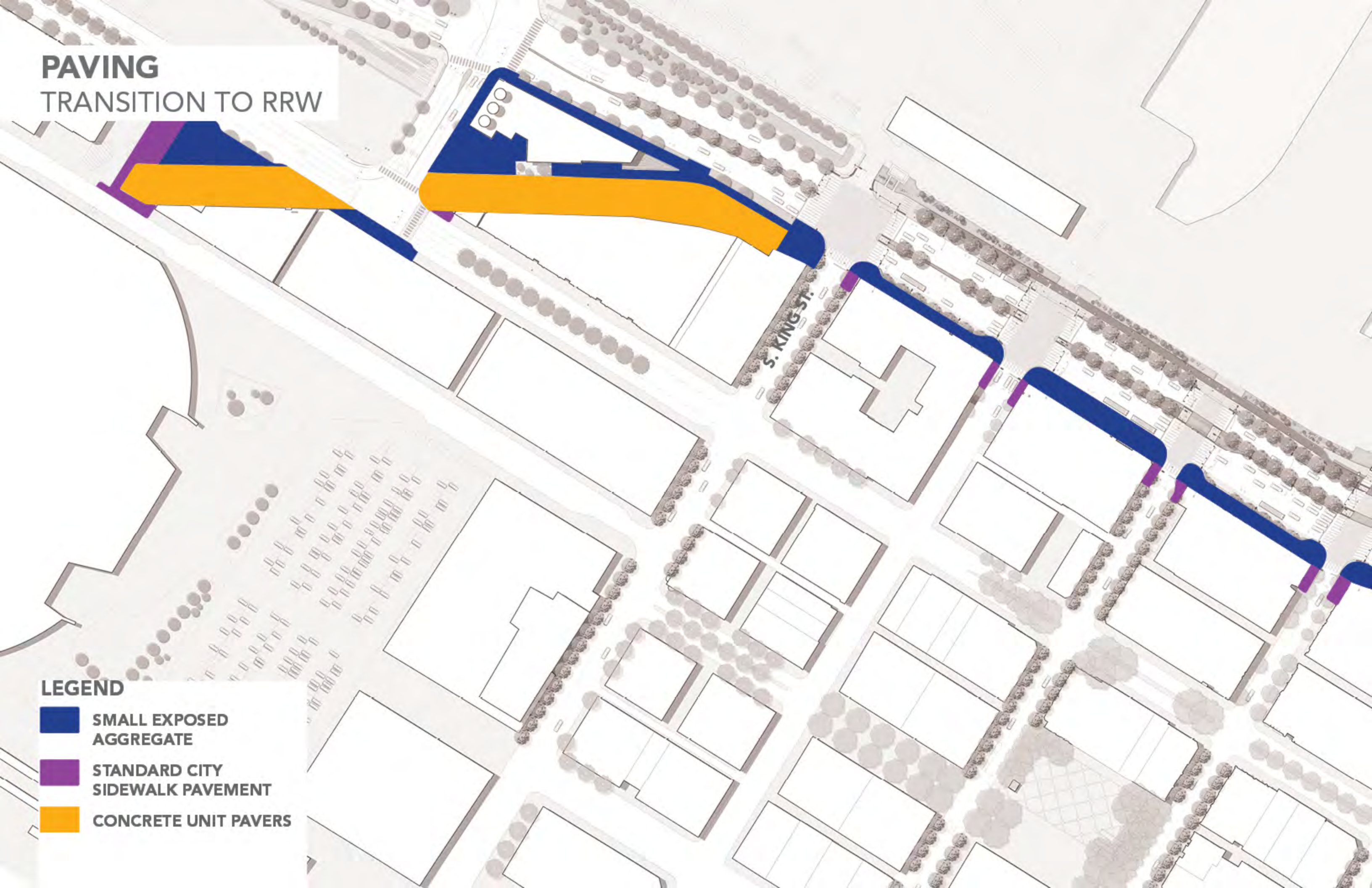
1/4" - 3/8" WASHED PEA GRAVEL
(BUILDERS SAND & GRAVEL)

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



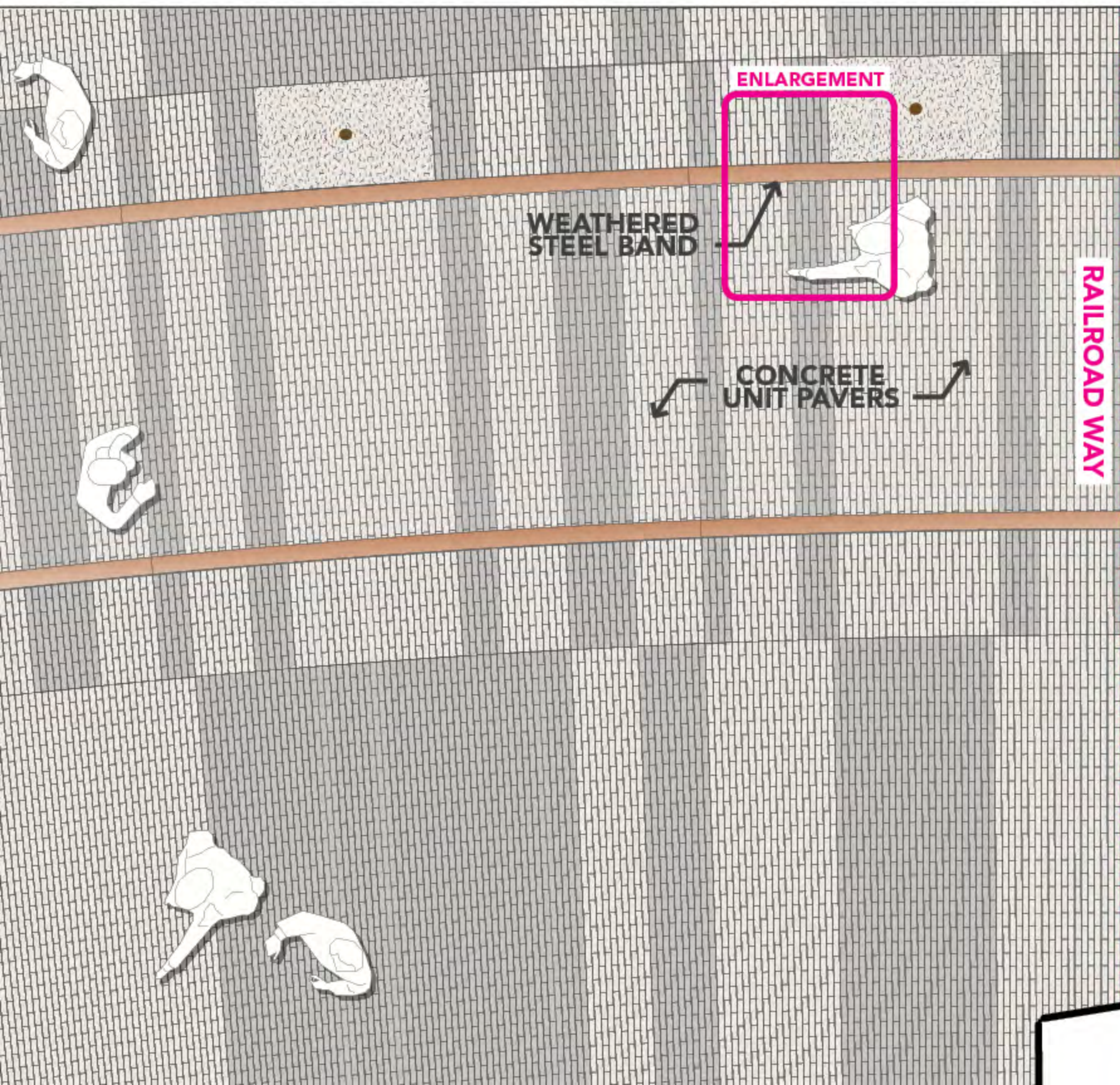
PAVER COLOR 1

PAVER COLOR 2

METAL BAND

BONDED GRAVEL @ TREE PIT

PAVING
TRANSITION TO RRW

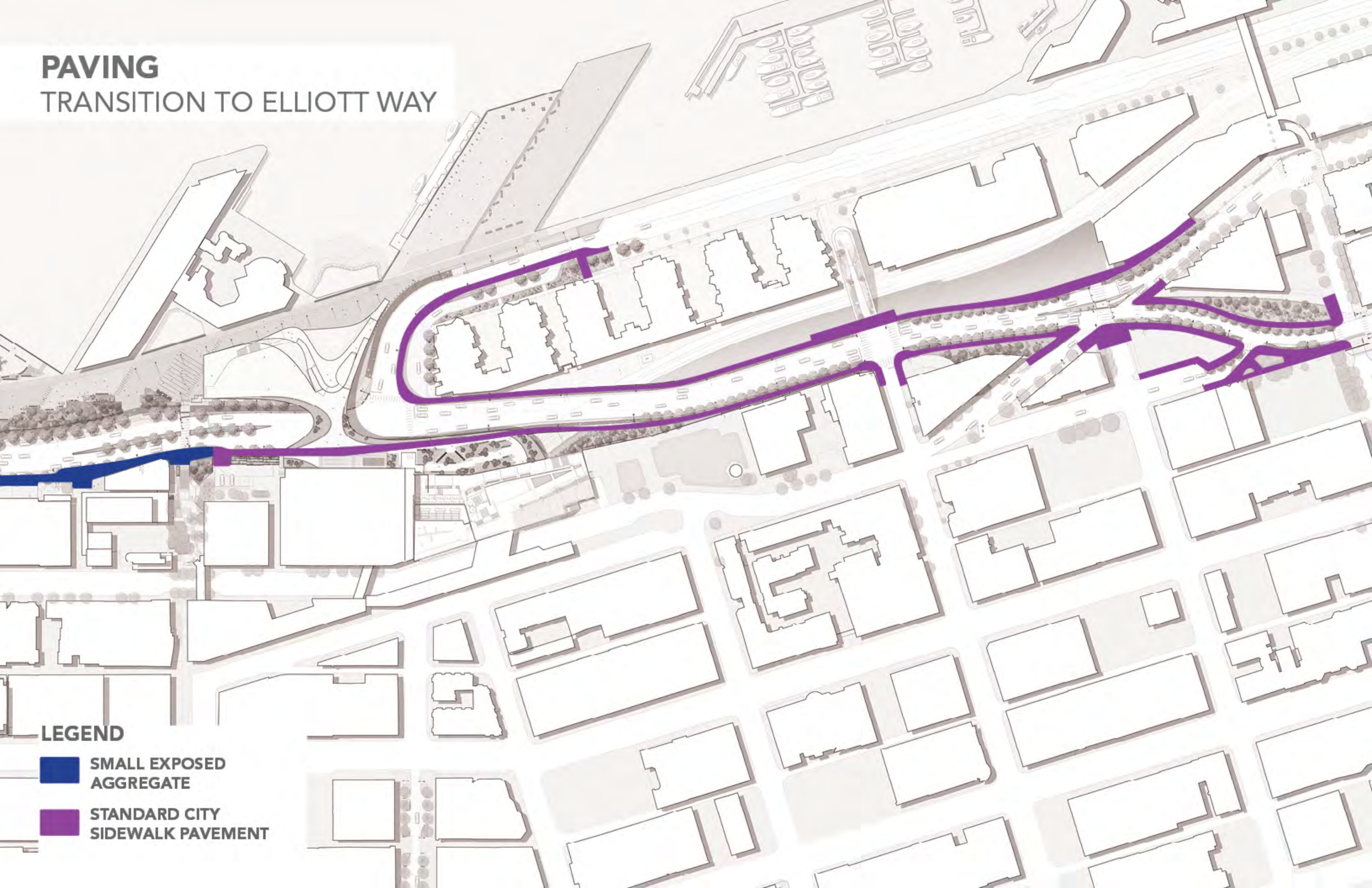


MAIN CORRIDOR

RAILROAD WAY

SMALL EXPOSED AGGREGATE

PAVING
TRANSITION TO ELLIOTT WAY



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

PAVING

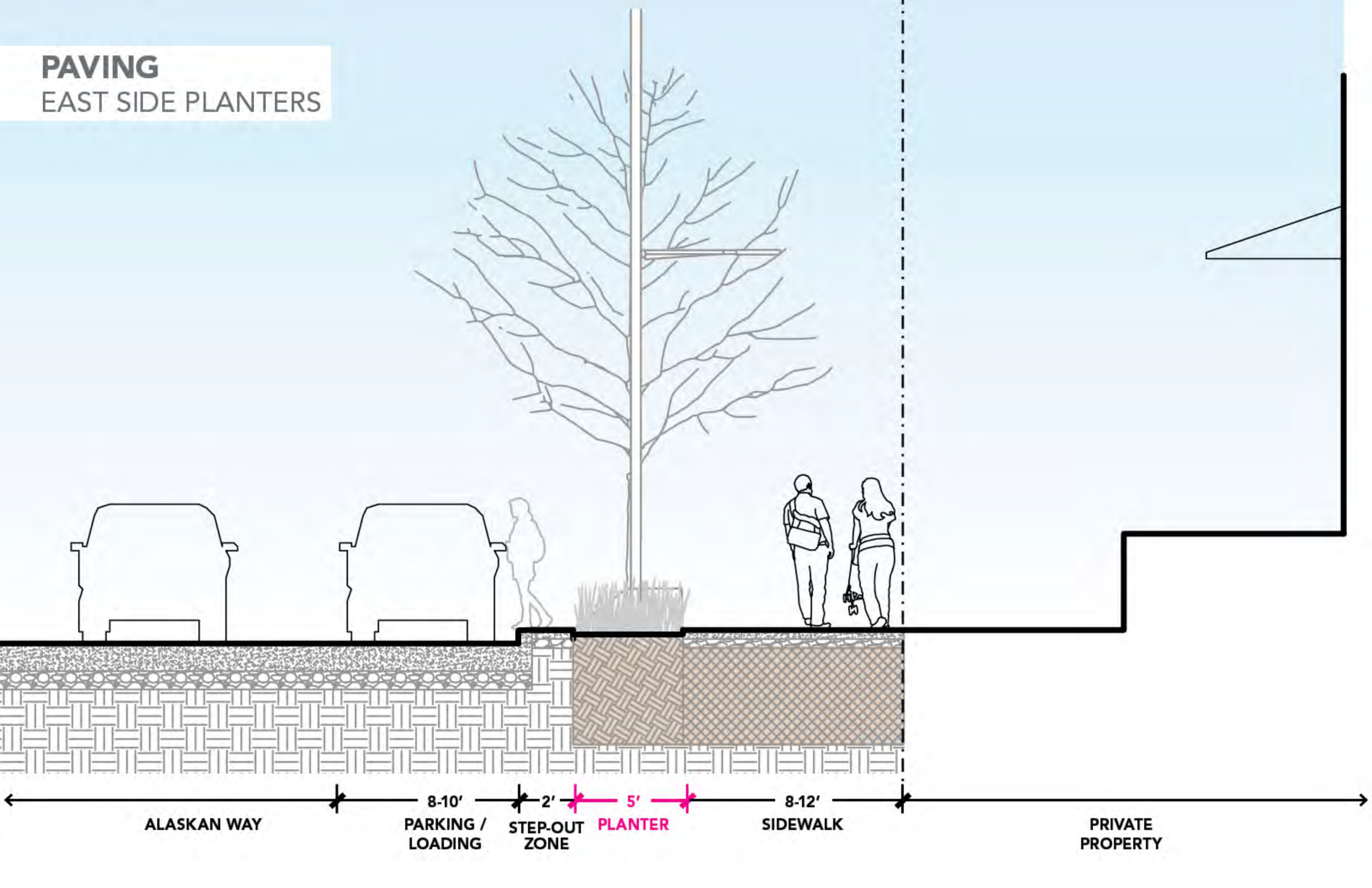
TRANSITION TO ELLIOTT WAY



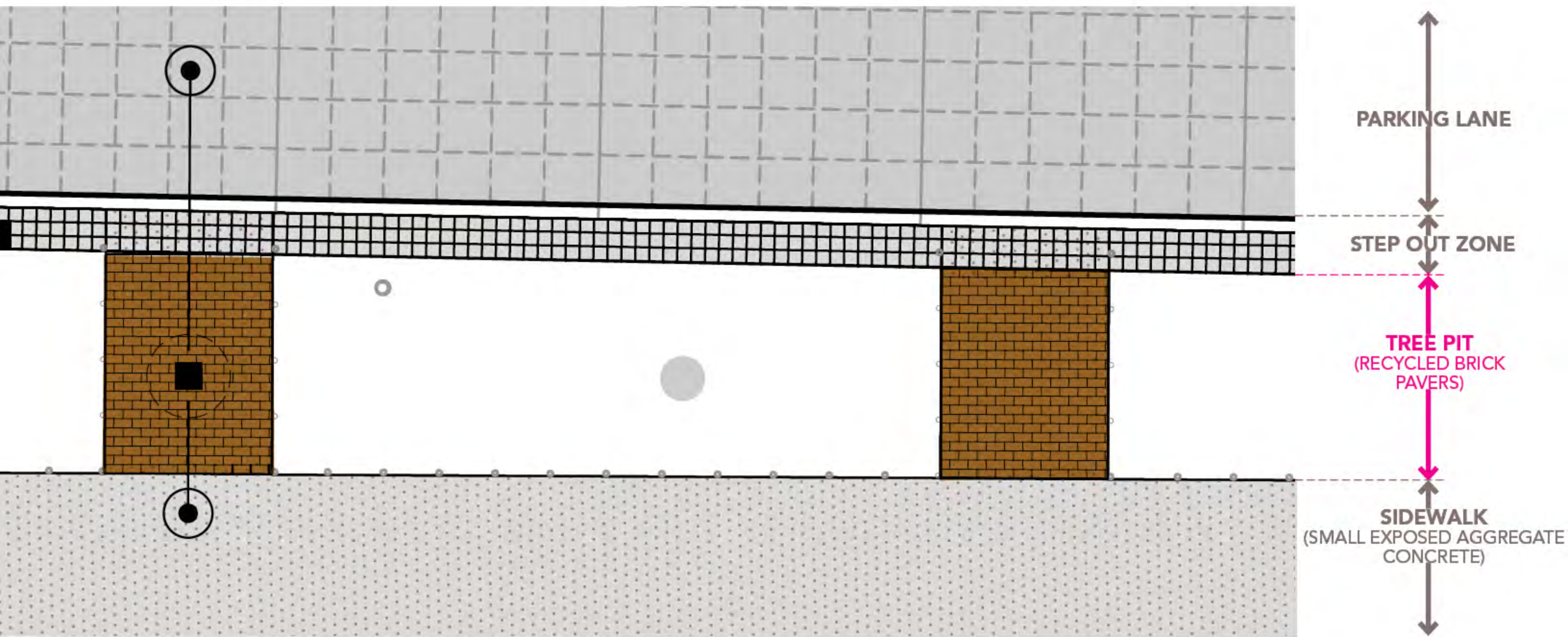
LEGEND

-  SMALL EXPOSED AGGREGATE
-  STANDARD CITY SIDEWALK PAVEMENT

PAVING
EAST SIDE PLANTERS



PAVING
PIONEER SQUARE BRICKS CROSSING OVER TREE PITS

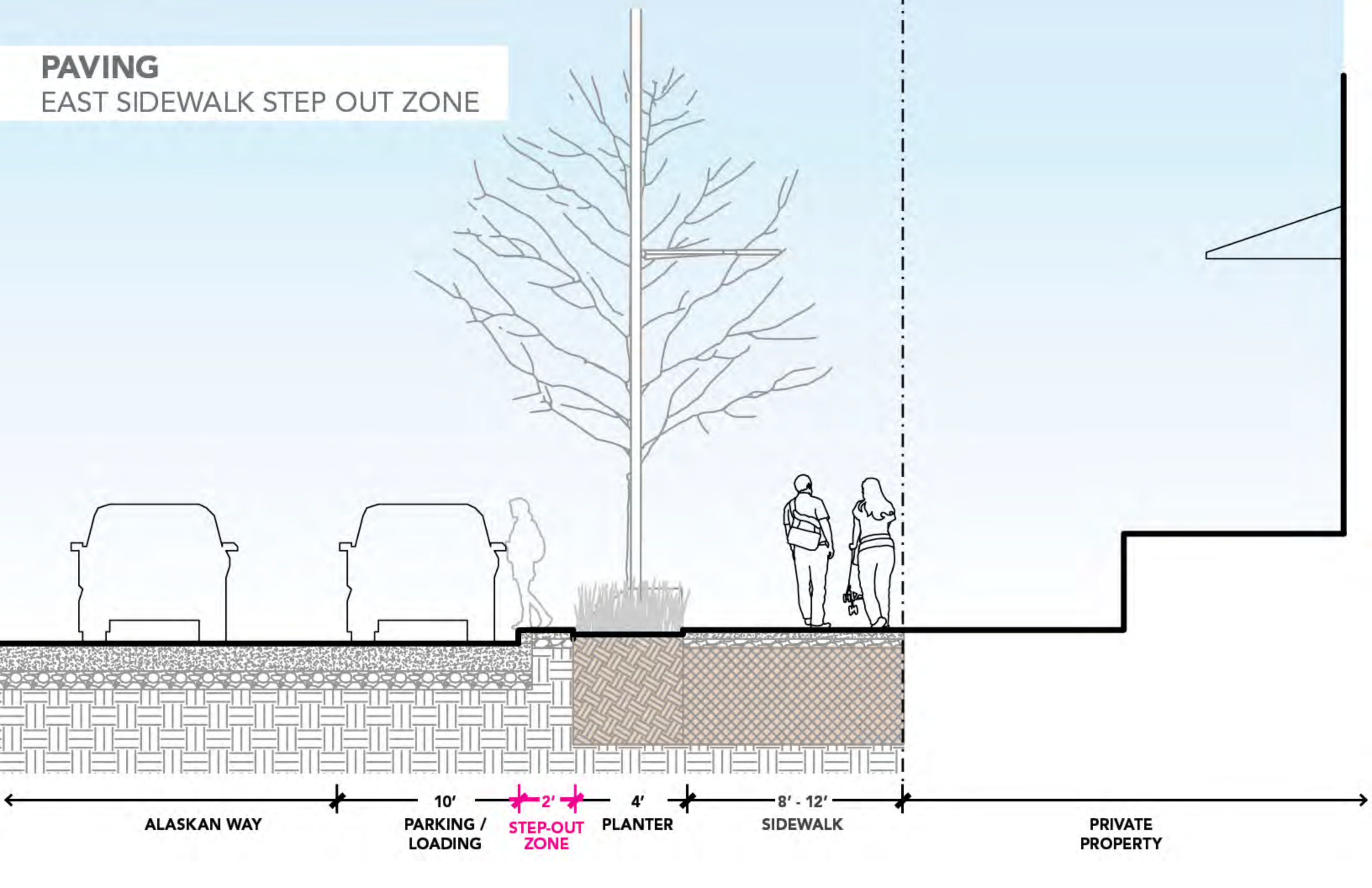


PAVING RECYCLED BRICKS

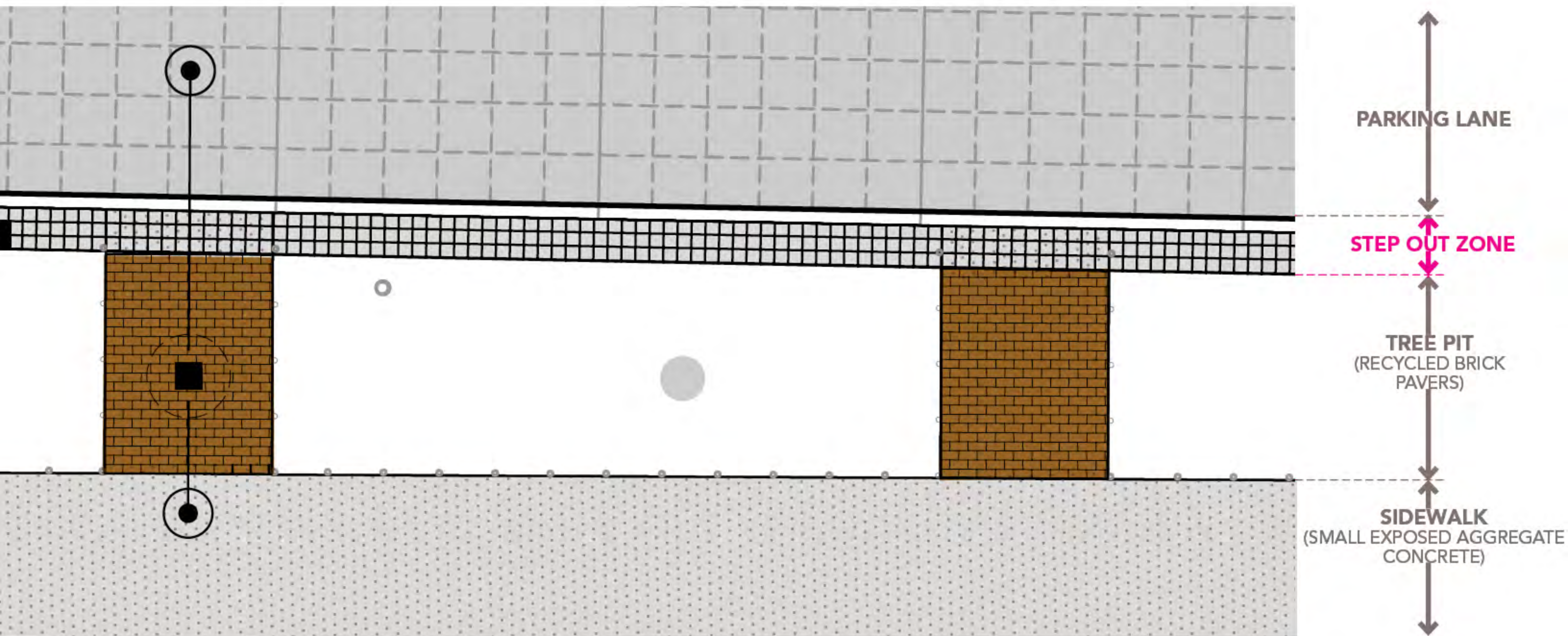


7,000 BRICKS SALVAGED FROM
4TH AVENUE PAVING PROJECT

PAVING
EAST SIDEWALK STEP OUT ZONE

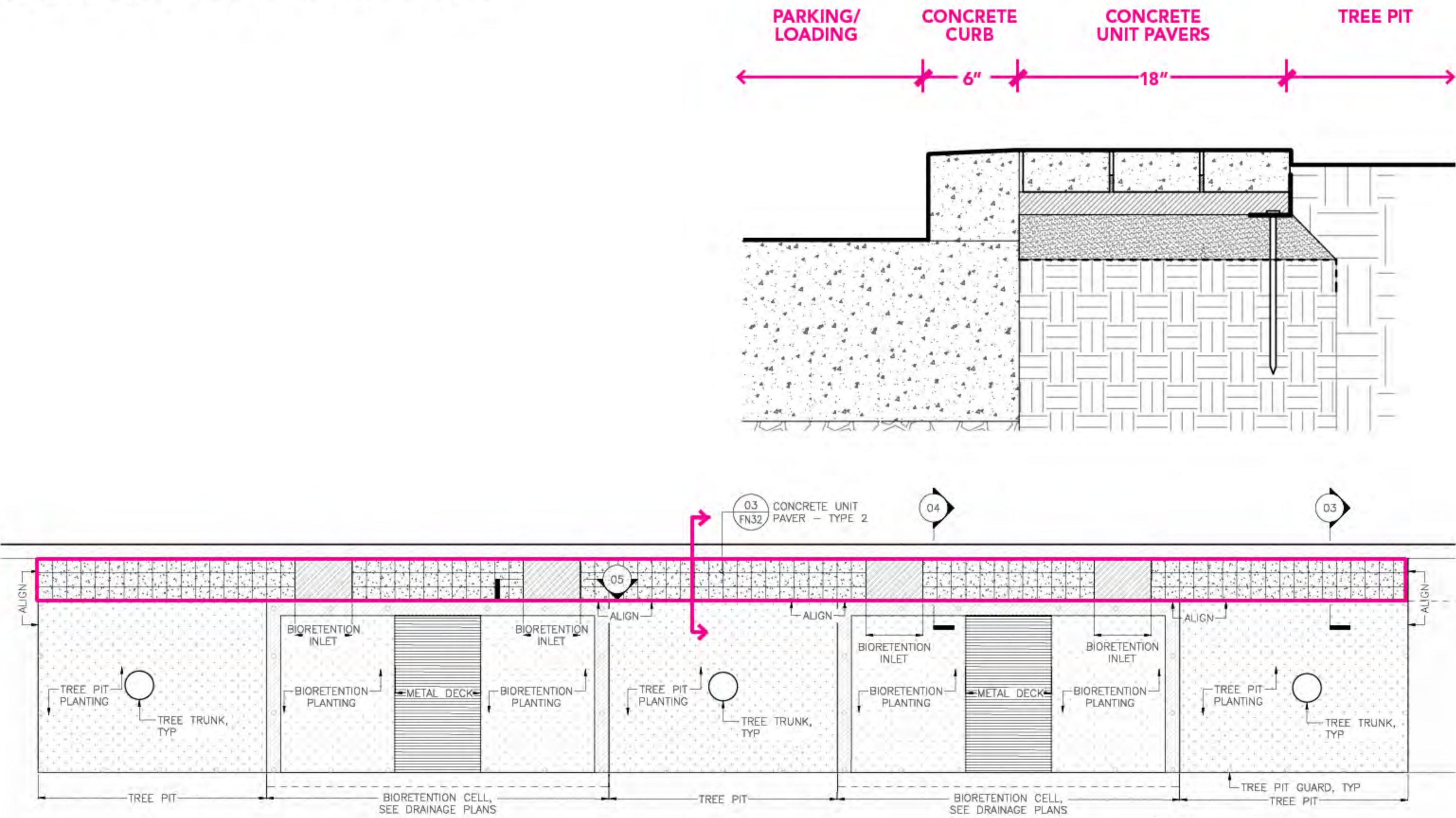


PAVING
EAST SIDEWALK STEP OUT ZONE



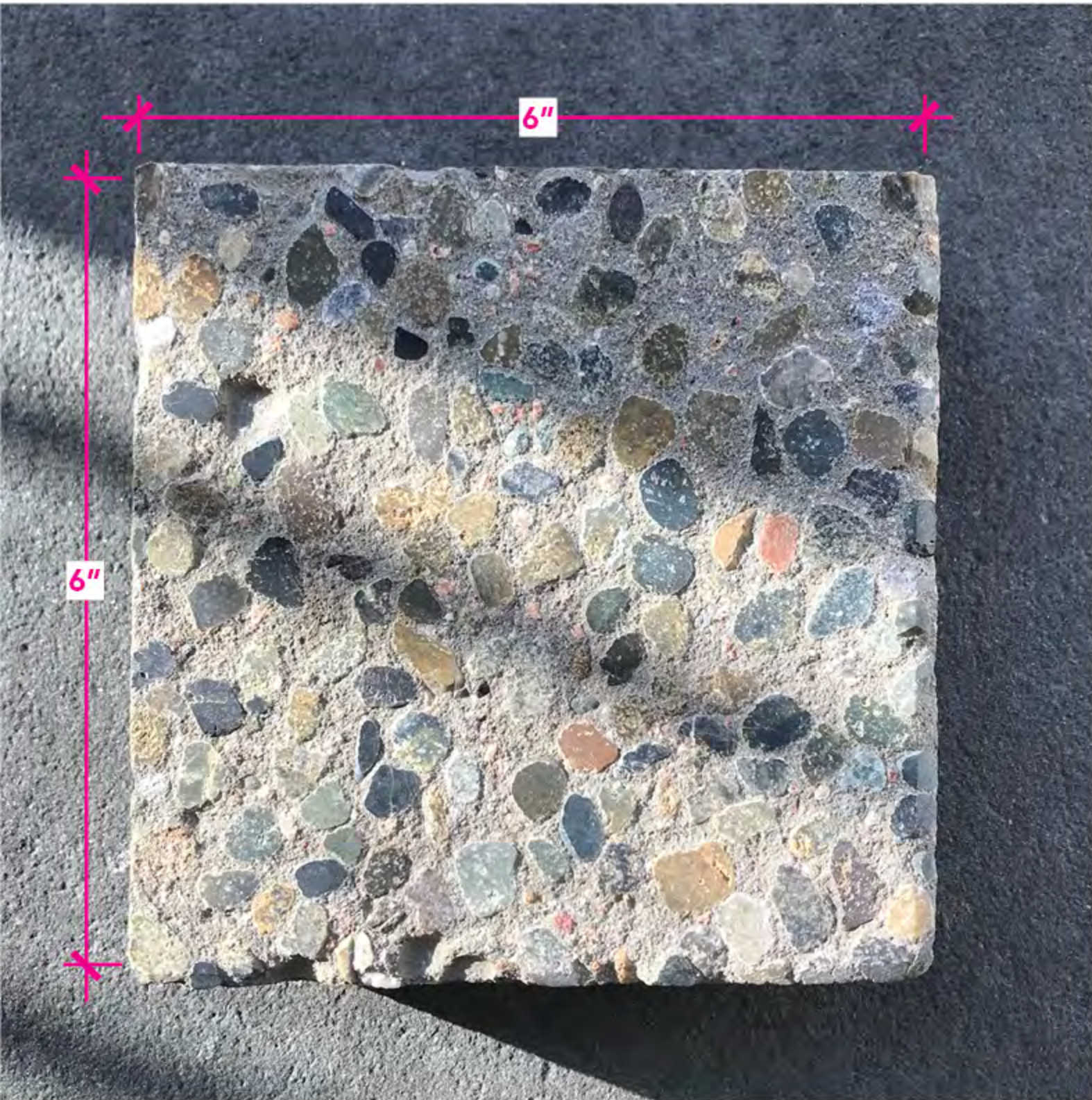
PAVING

EAST SIDEWALK STEP OUT ZONE



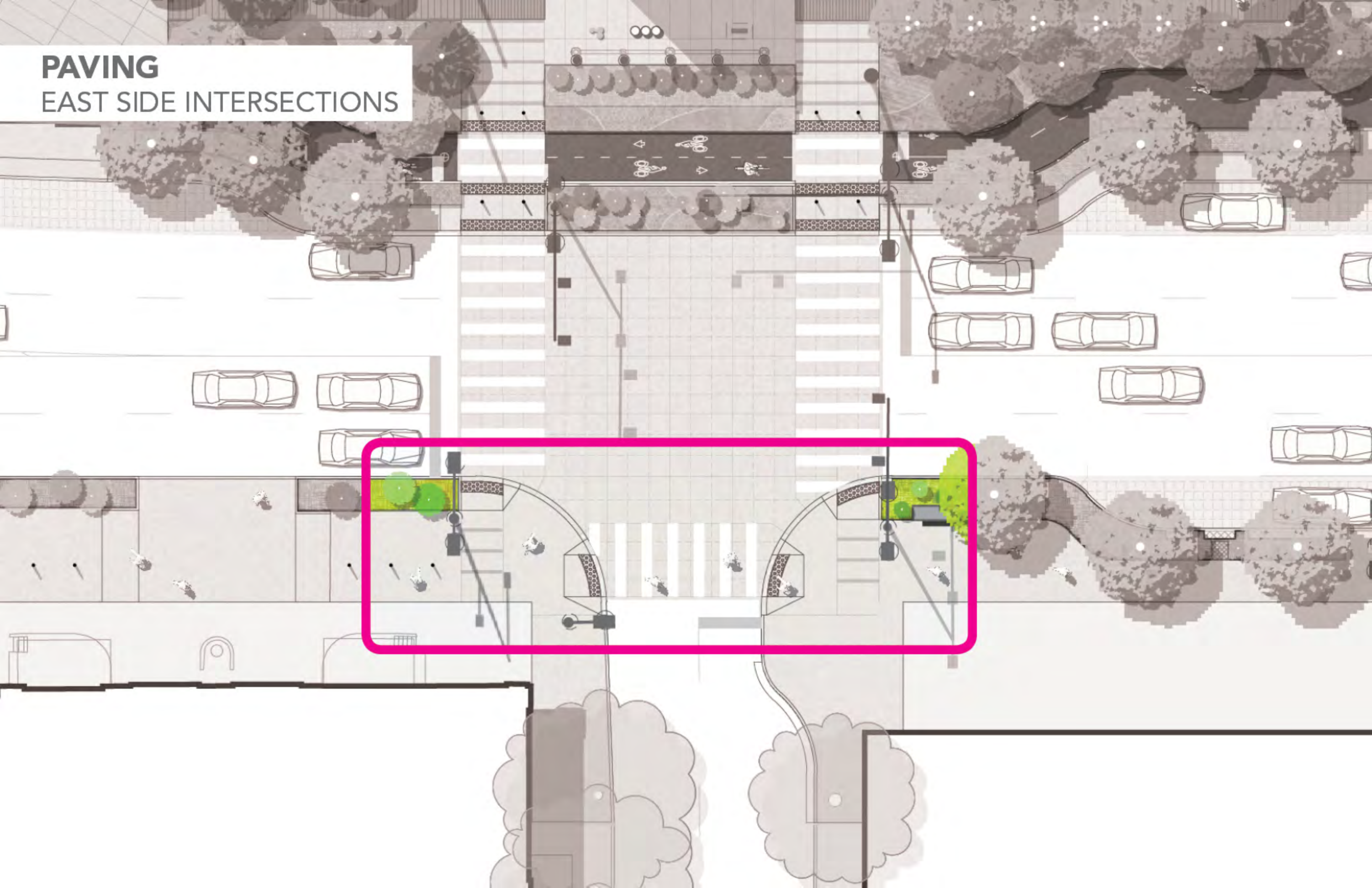
PAVING

EAST SIDEWALK STEP OUT ZONE

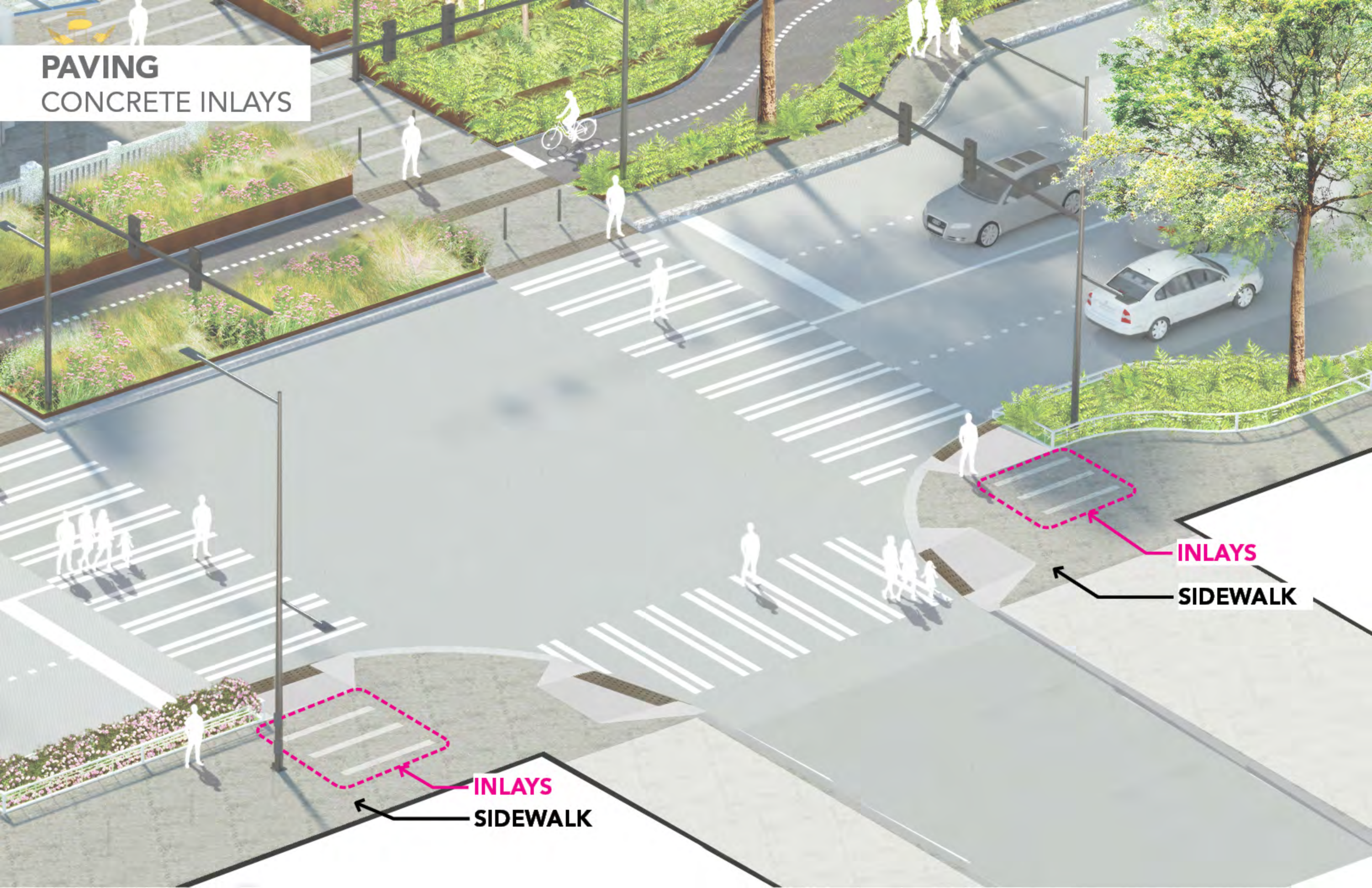


PRE-CAST EXPOSED AGGREGATE CONCRETE UNIT PAVER

PAVING
EAST SIDE INTERSECTIONS



PAVING CONCRETE INLAYS



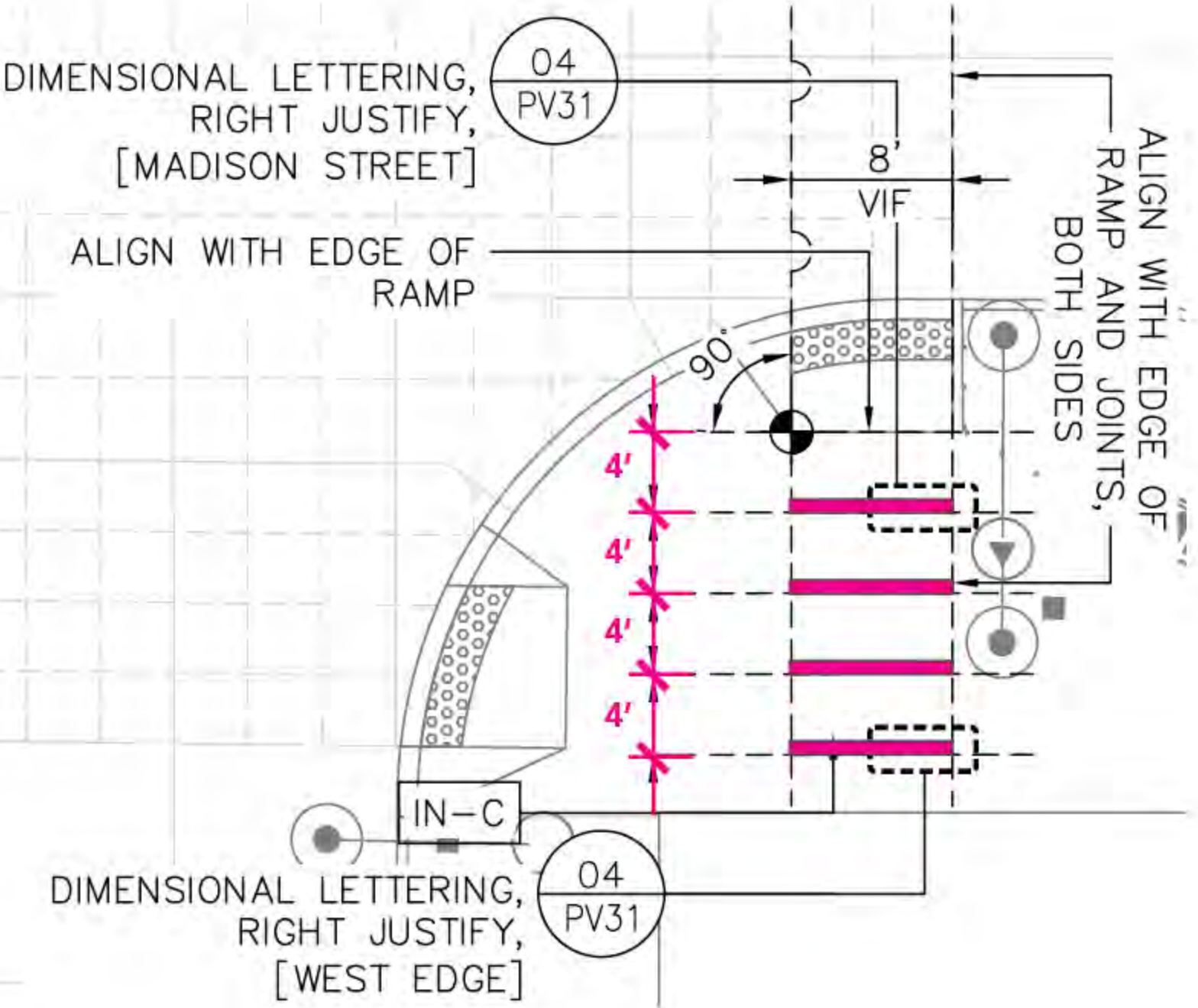
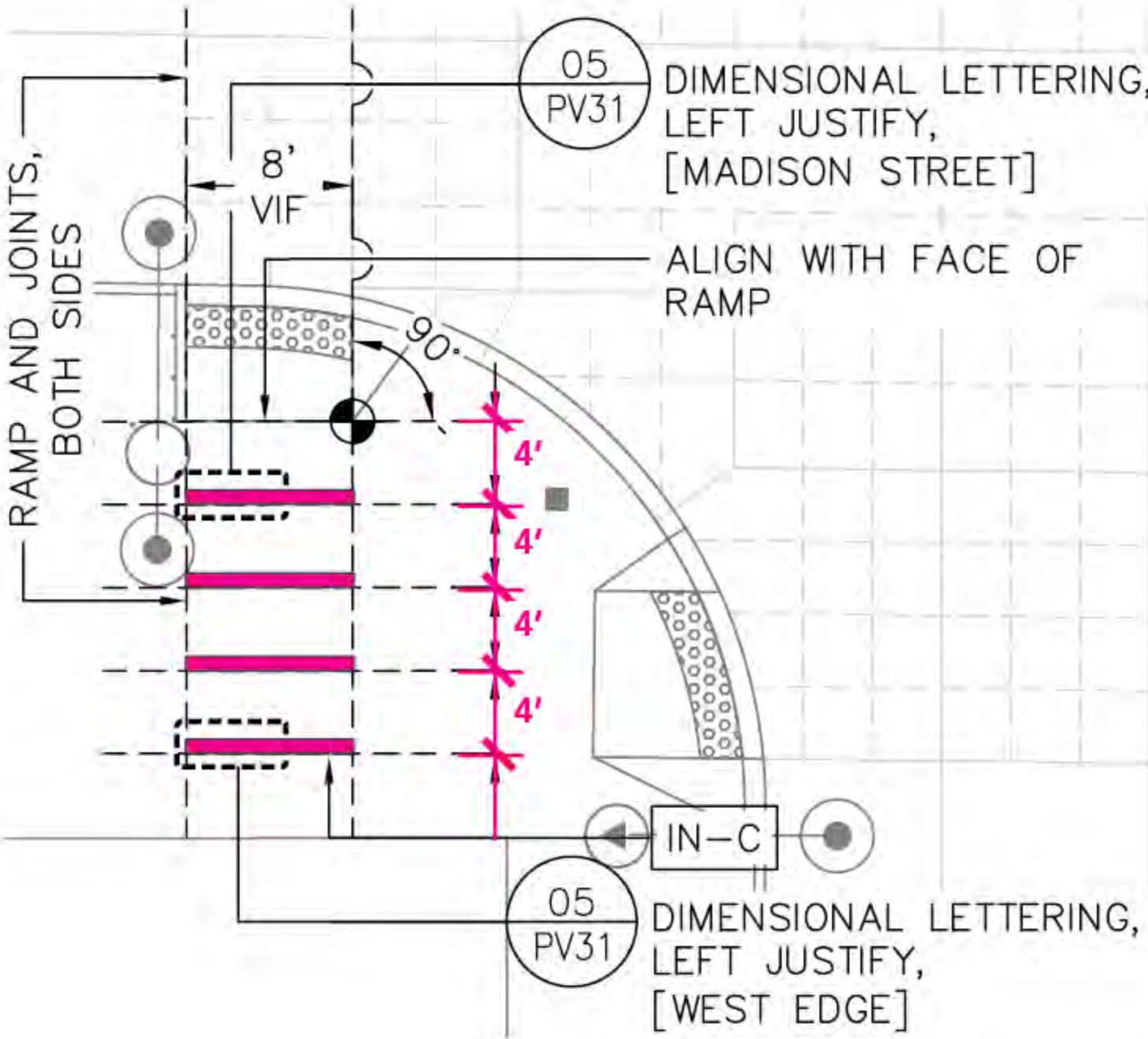
INLAYS

SIDEWALK

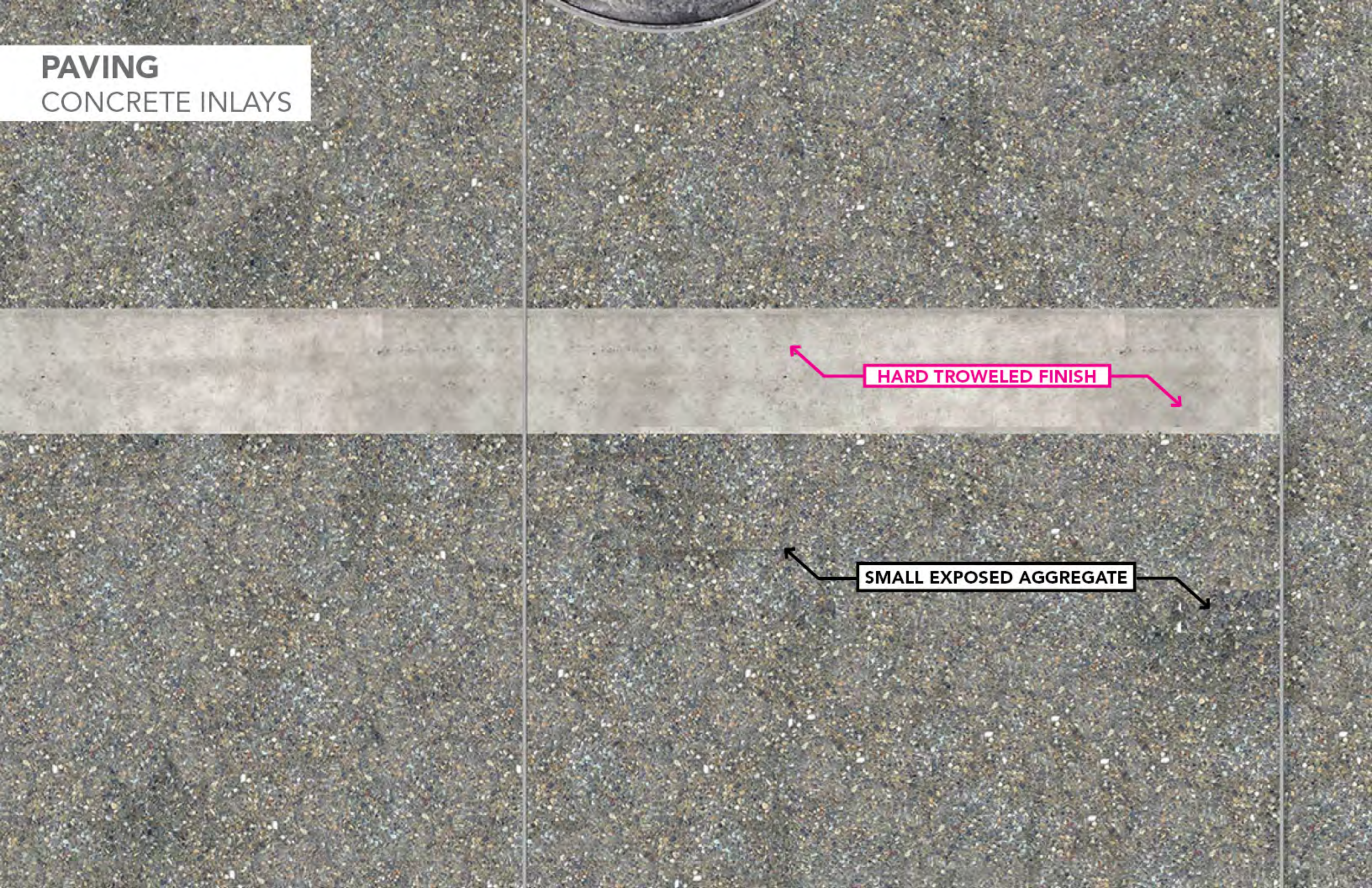
INLAYS

SIDEWALK

PAVING
CONCRETE INLAYS



PAVING
CONCRETE INLAYS



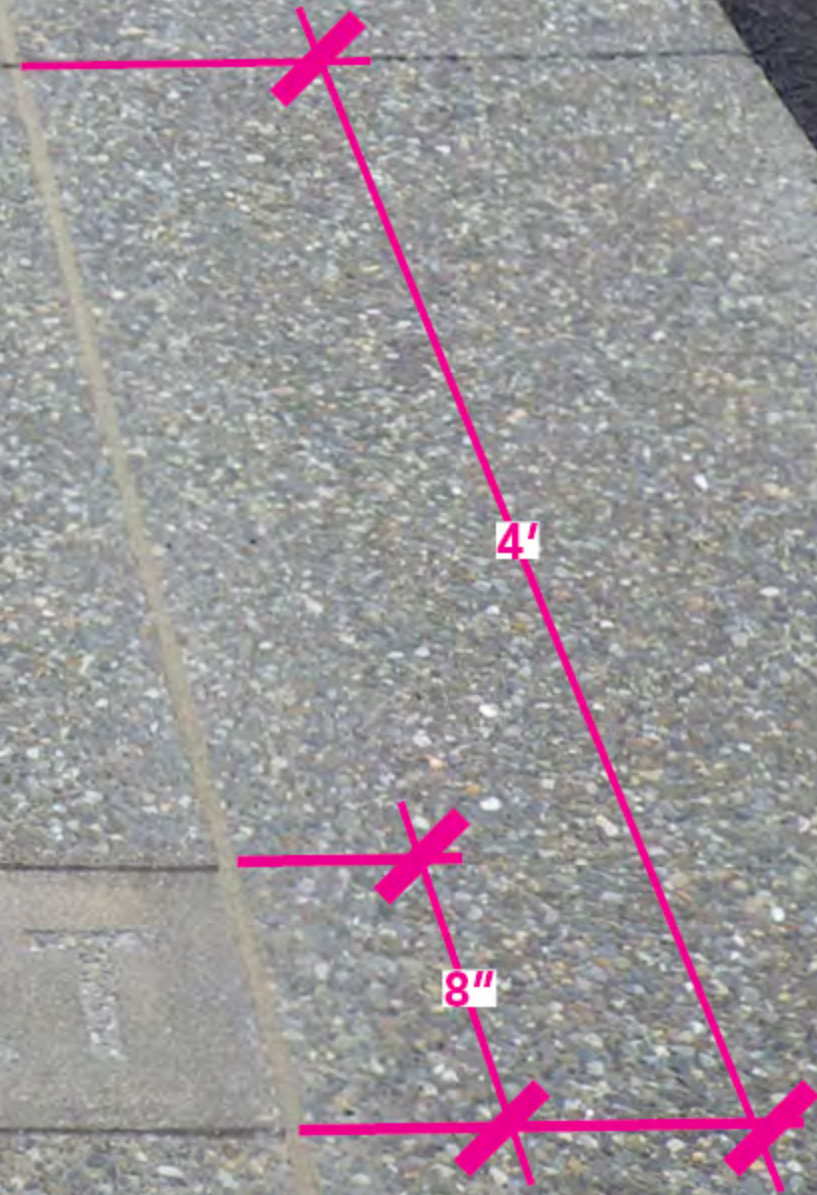
HARD TROWELED FINISH

SMALL EXPOSED AGGREGATE

PAVING
CONCRETE INLAYS

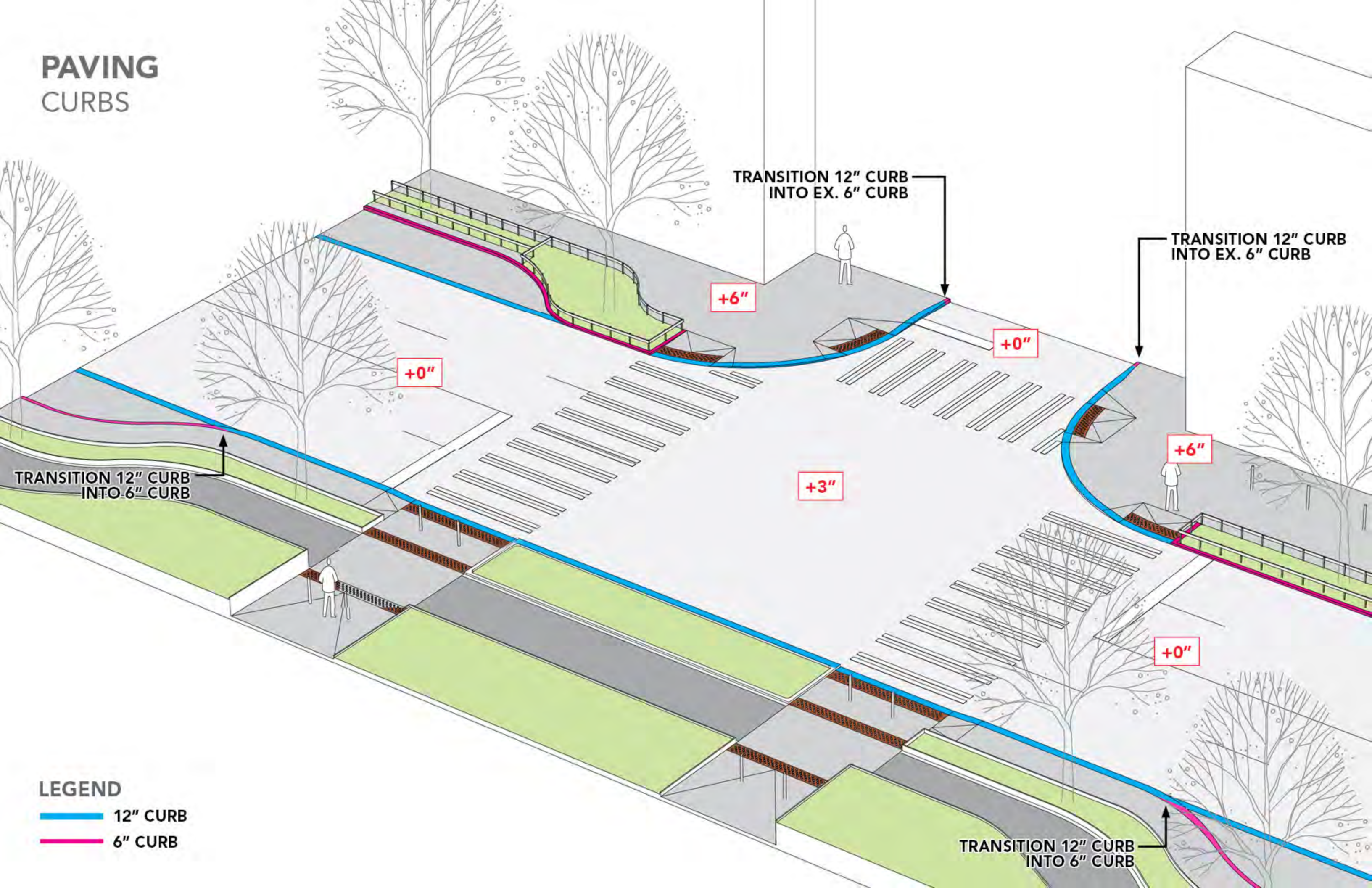


UNION STREET



05 / 25 / 2016 08 : 50

PAVING CURBS



TRANSITION 12" CURB
INTO EX. 6" CURB

TRANSITION 12" CURB
INTO EX. 6" CURB

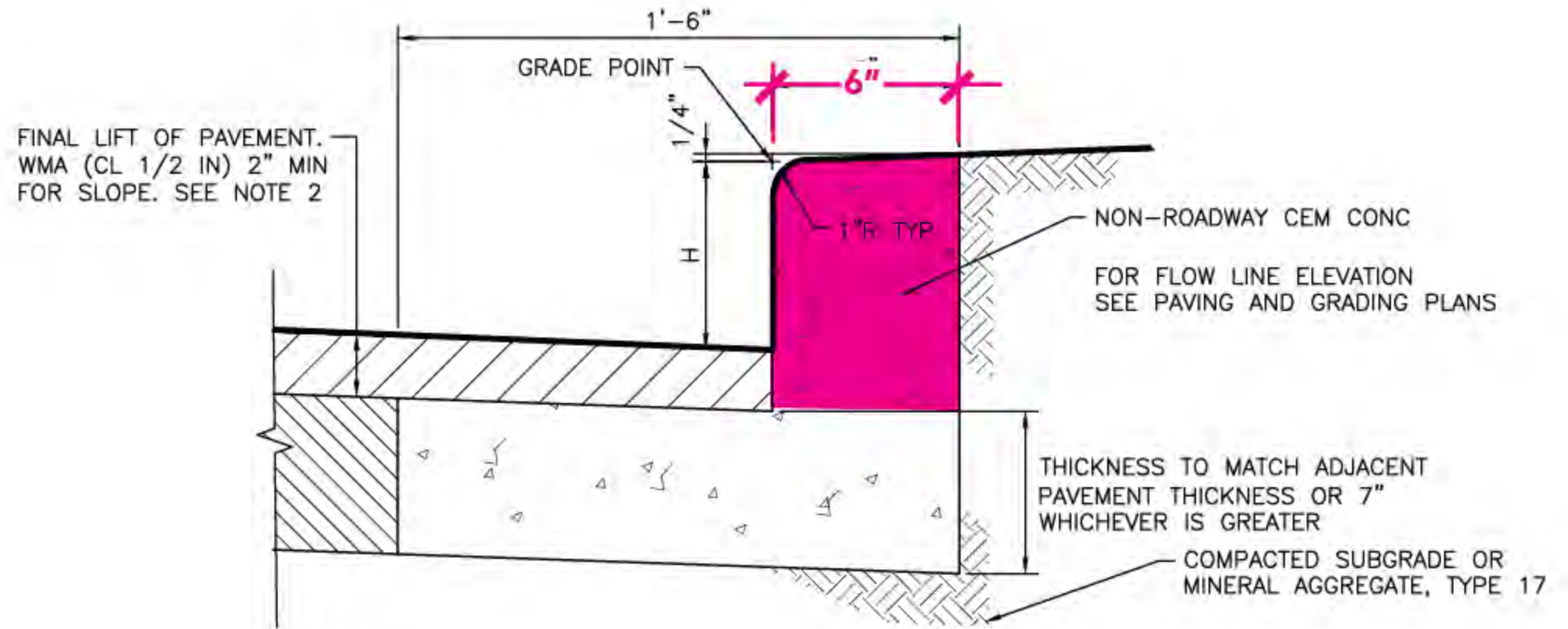
TRANSITION 12" CURB
INTO 6" CURB

LEGEND

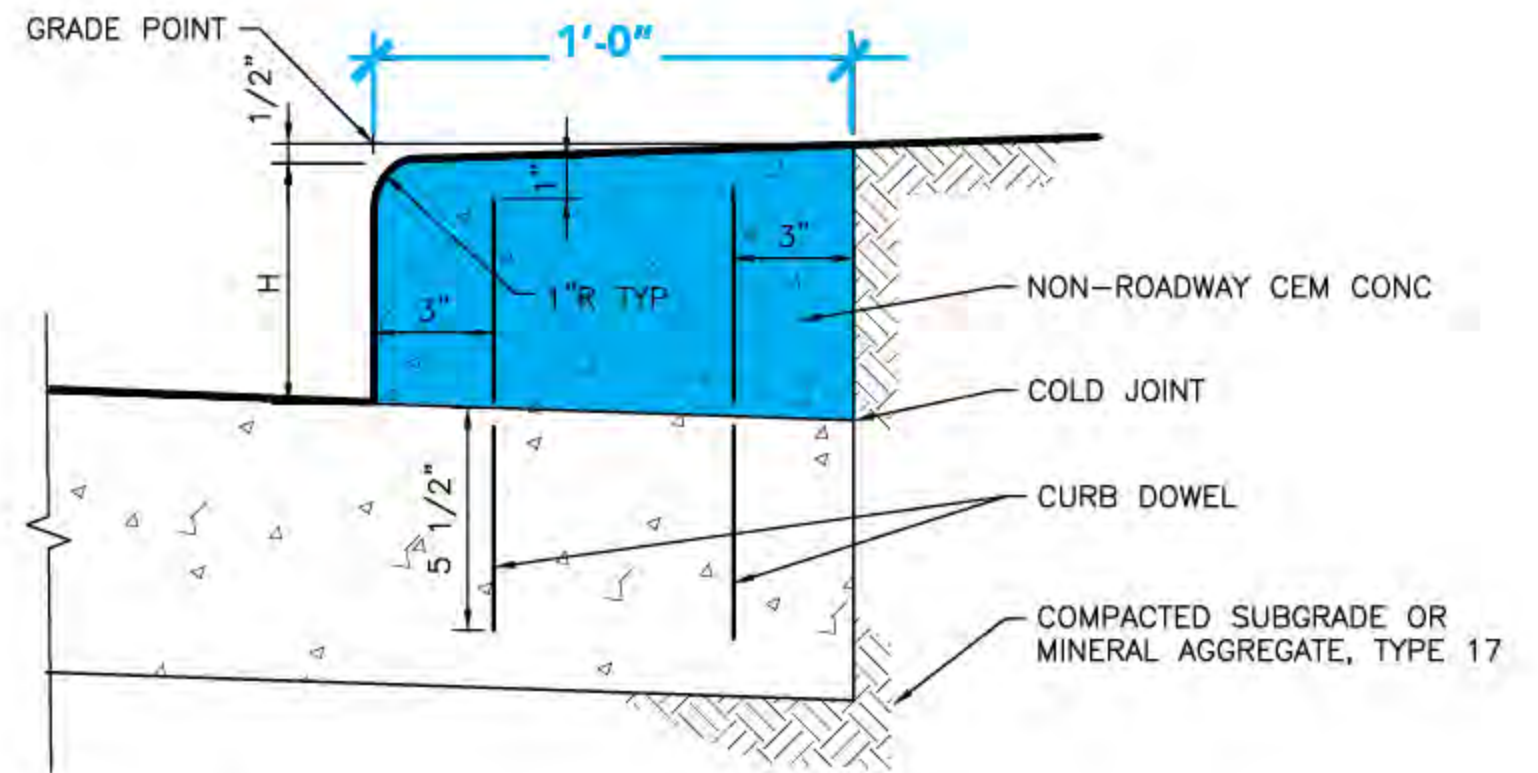
- 12" CURB
- 6" CURB

TRANSITION 12" CURB
INTO 6" CURB

PAVING CURBS



6" CURB



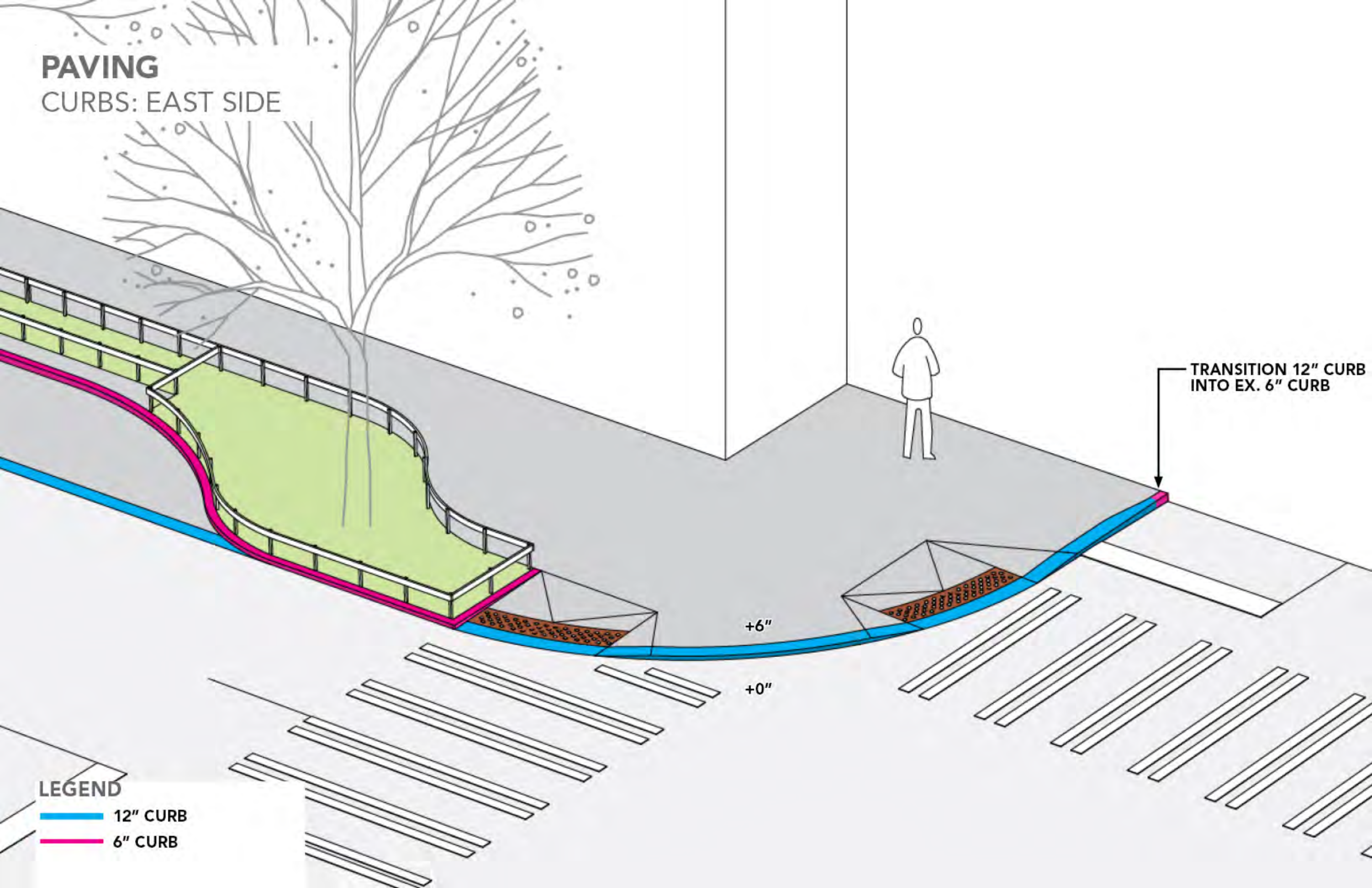
12" CURB

LEGEND

12" CURB
6" CURB

PAVING

CURBS: EAST SIDE



TRANSITION 12" CURB
INTO EX. 6" CURB

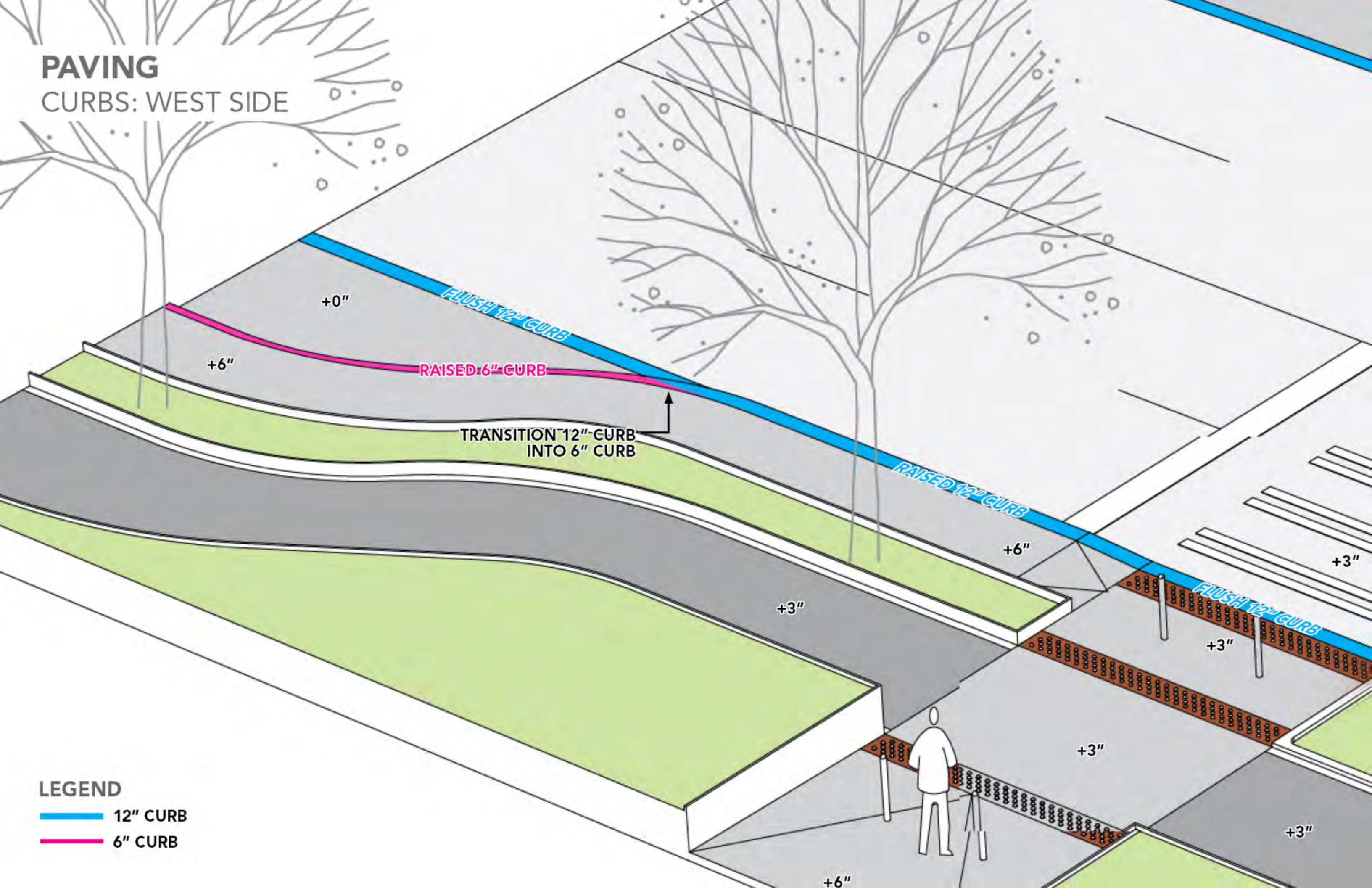
+6"

+0"

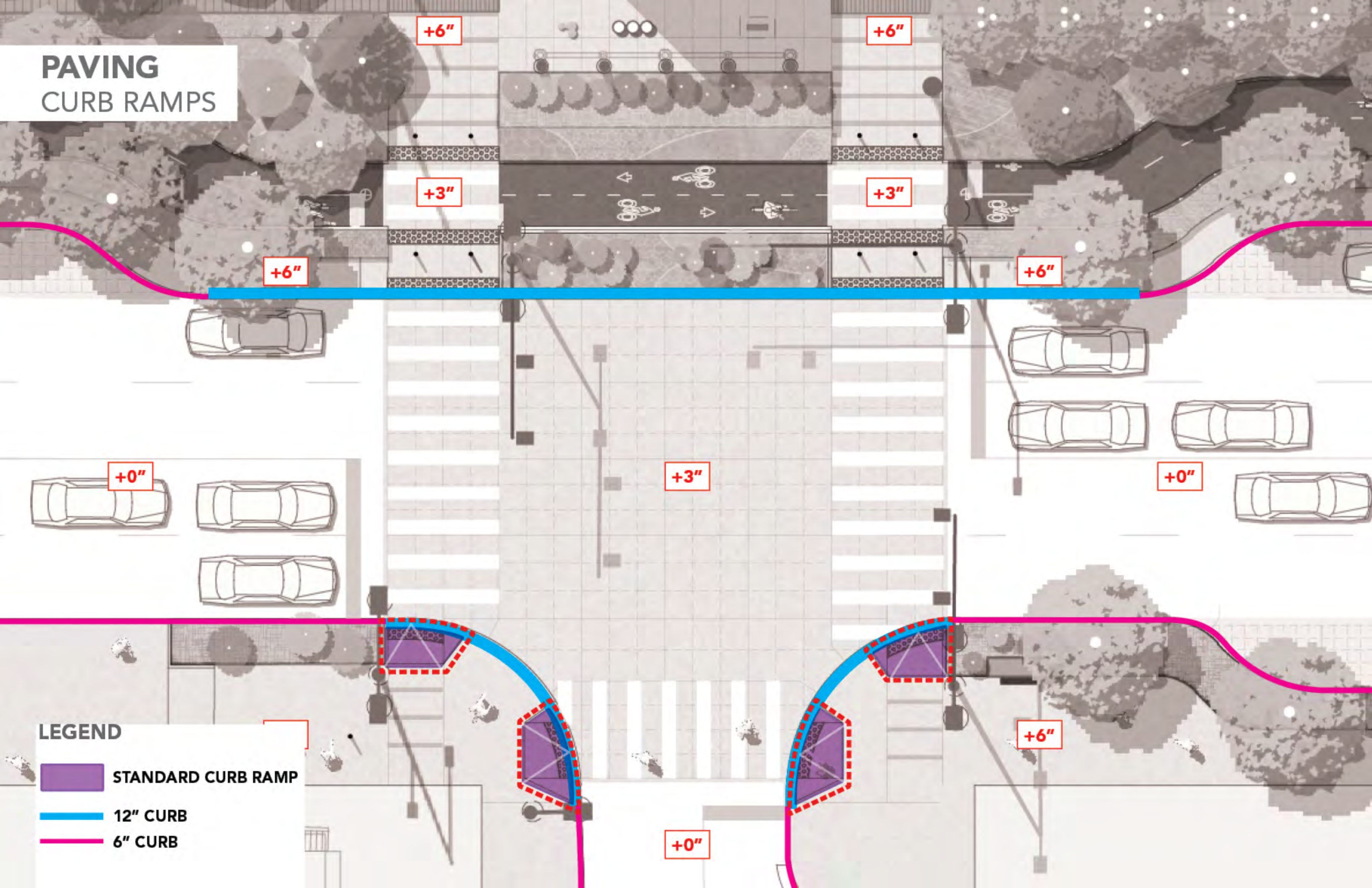
LEGEND

- 12" CURB
- 6" CURB

PAVING
CURBS: WEST SIDE



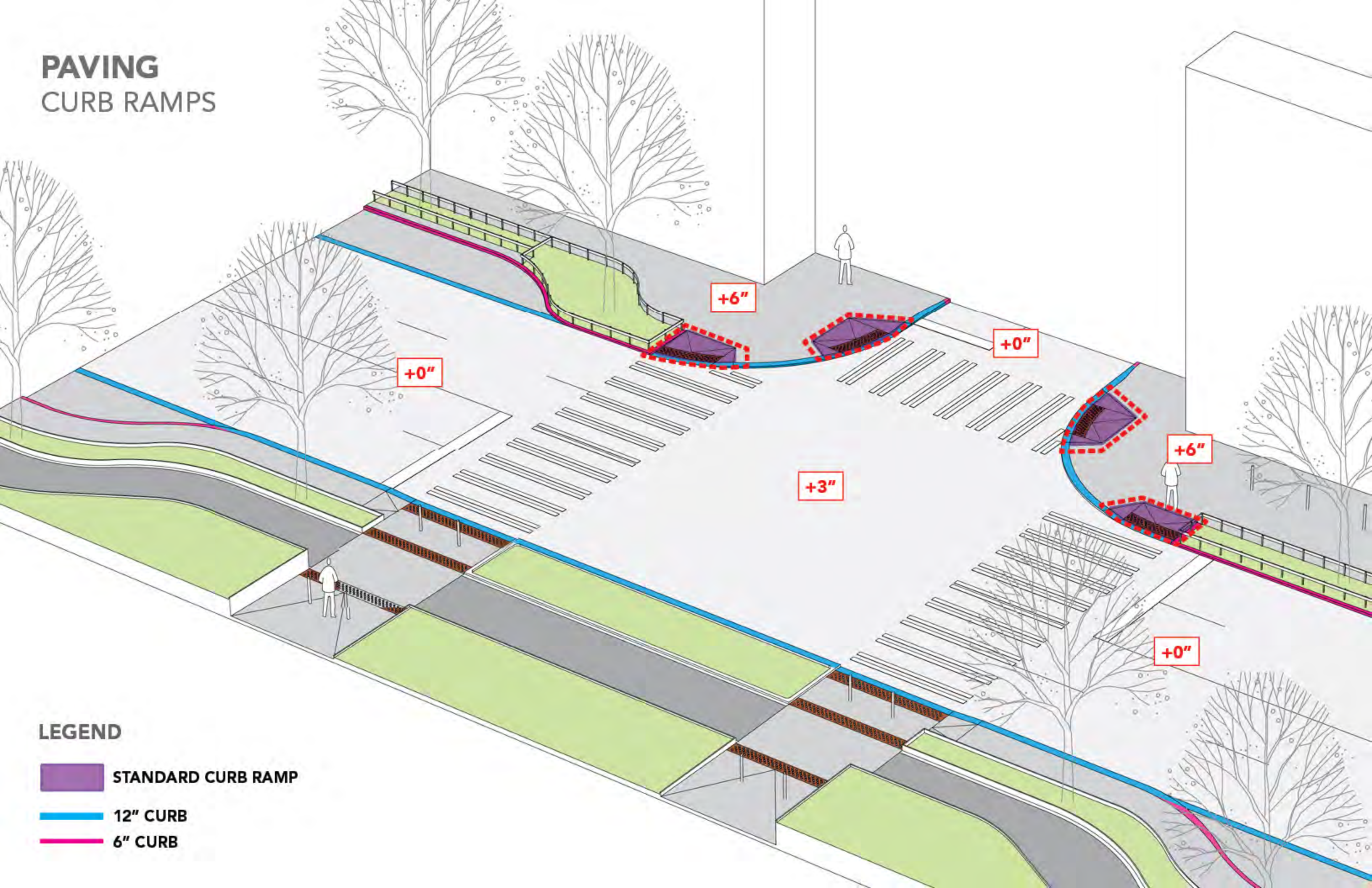
PAVING CURB RAMPS



LEGEND

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

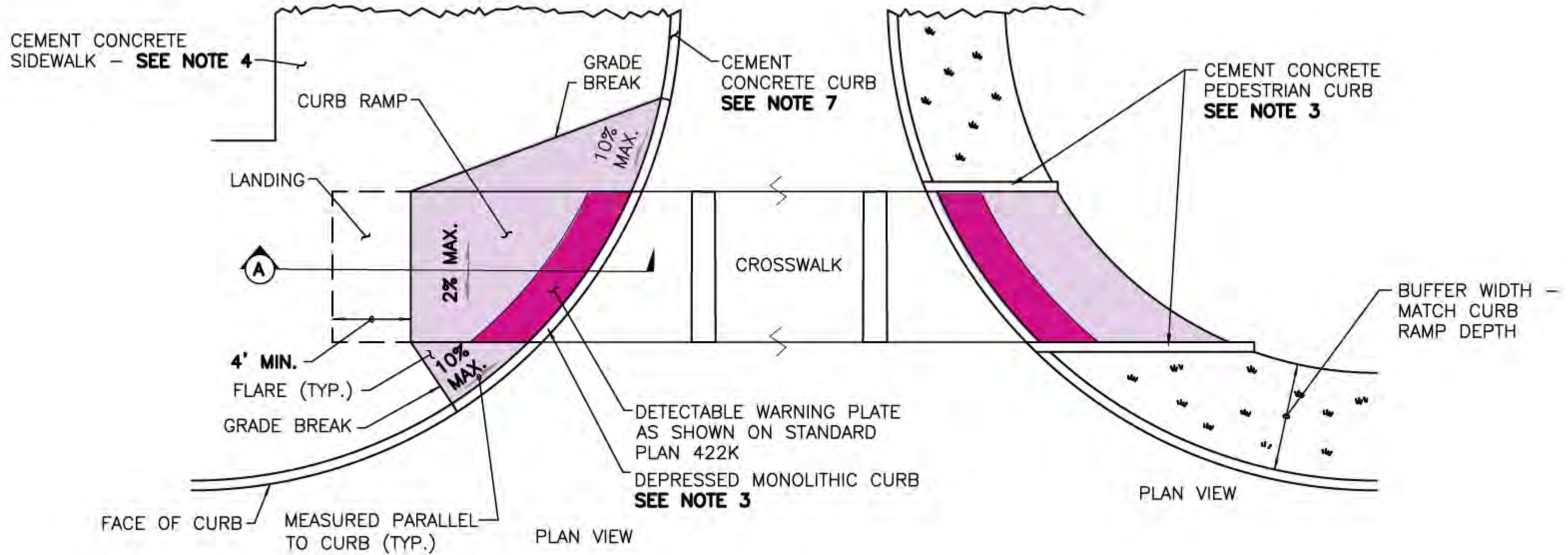
PAVING CURB RAMPS



LEGEND

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

INTERSECTIONS: DETECTABLE WARNING STRIP



PAVING

INTERSECTIONS: DETECTABLE WARNING STRIP



PAVING

INTERSECTIONS: DETECTABLE WARNING STRIP



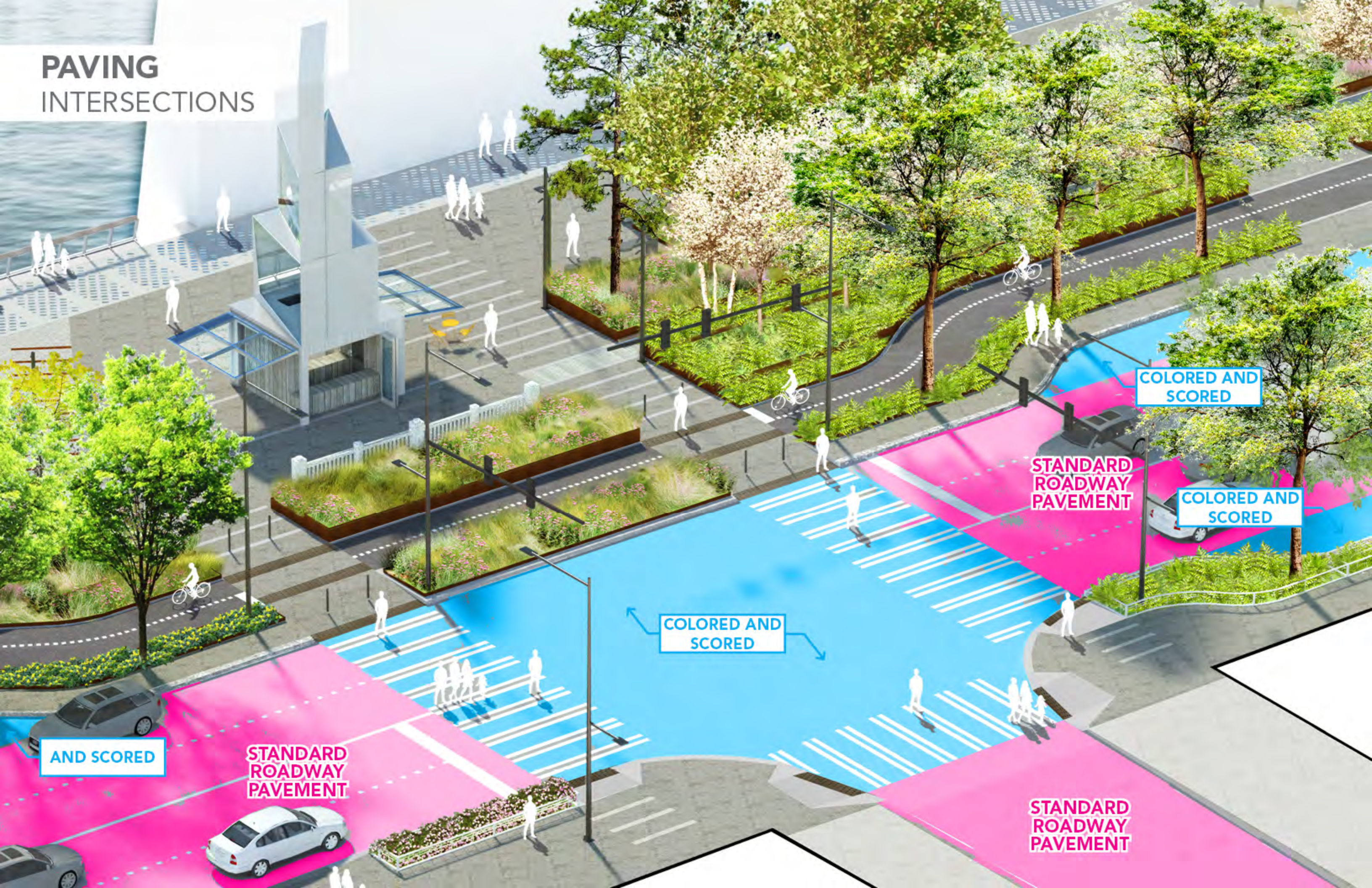
PAVING ROADWAY



LEGEND

-  COLORED + SCORED
-  STANDARD ROADWAY PAVEMENT

PAVING
INTERSECTIONS



COLORED AND
SCORED

STANDARD
ROADWAY
PAVEMENT

COLORED AND
SCORED

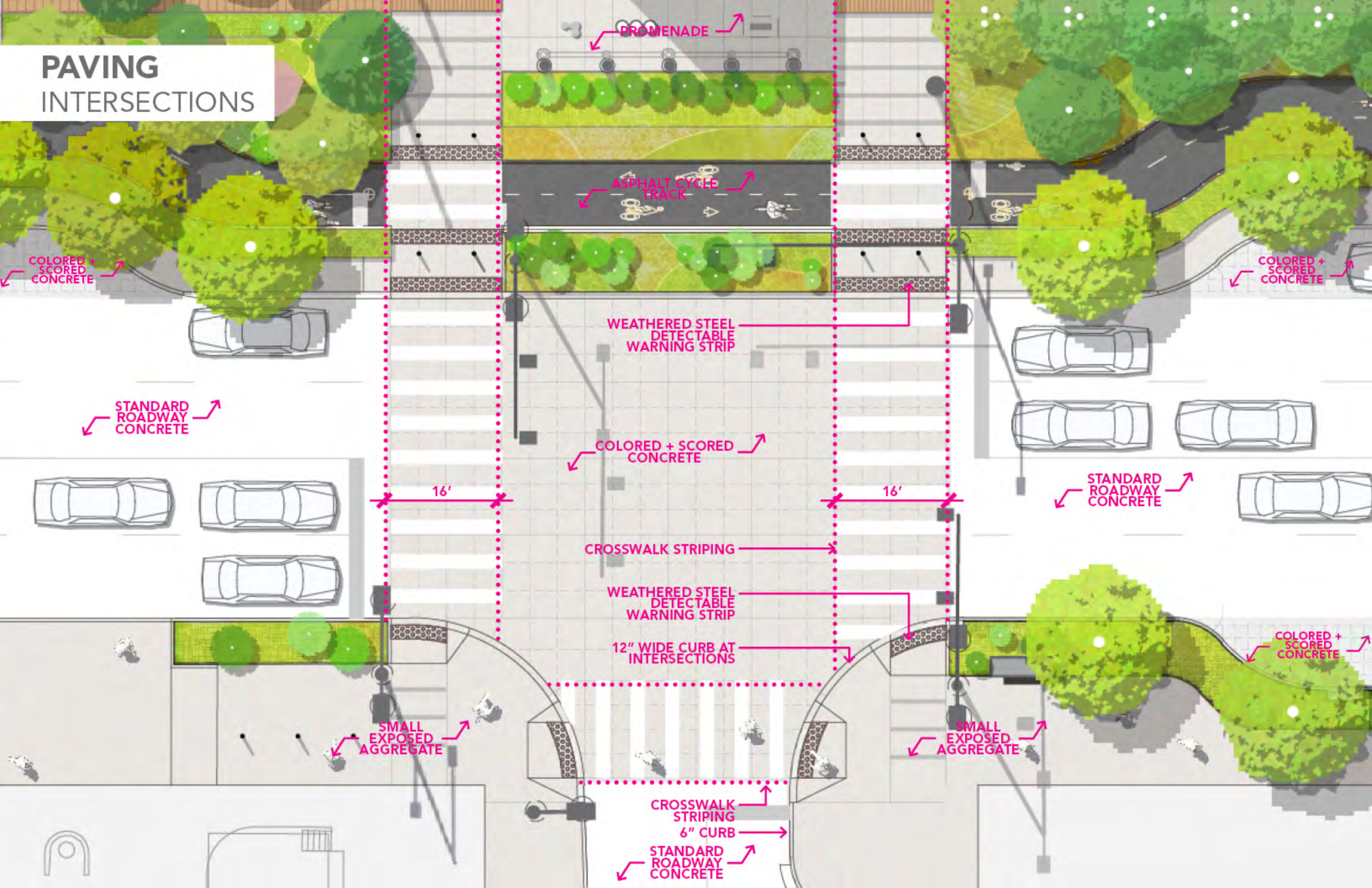
COLORED AND
SCORED

AND SCORED

STANDARD
ROADWAY
PAVEMENT

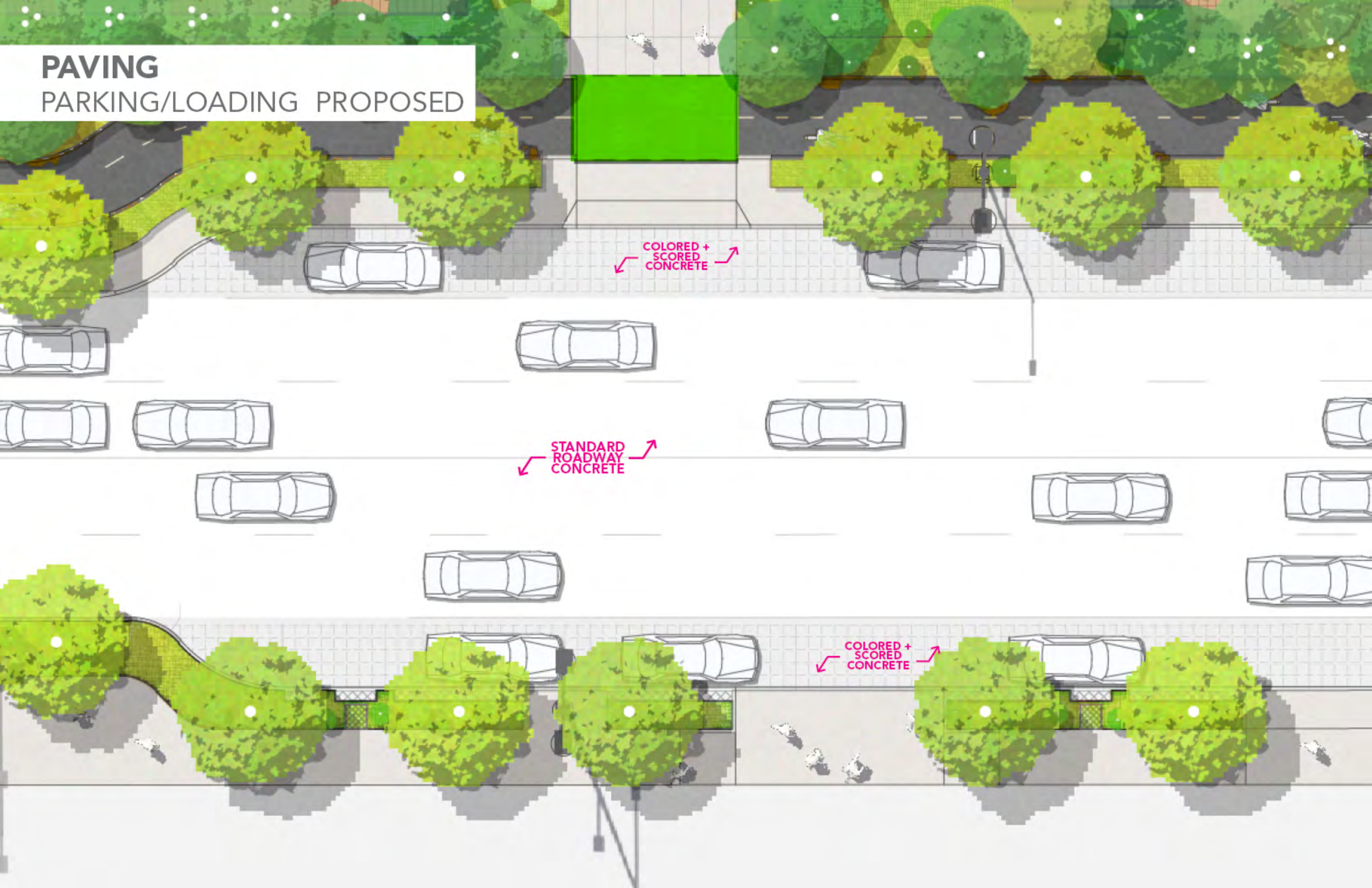
STANDARD
ROADWAY
PAVEMENT

PAVING INTERSECTIONS



PAVING

PARKING/LOADING PROPOSED



PAVING
PARKING/LOADING: MERCER

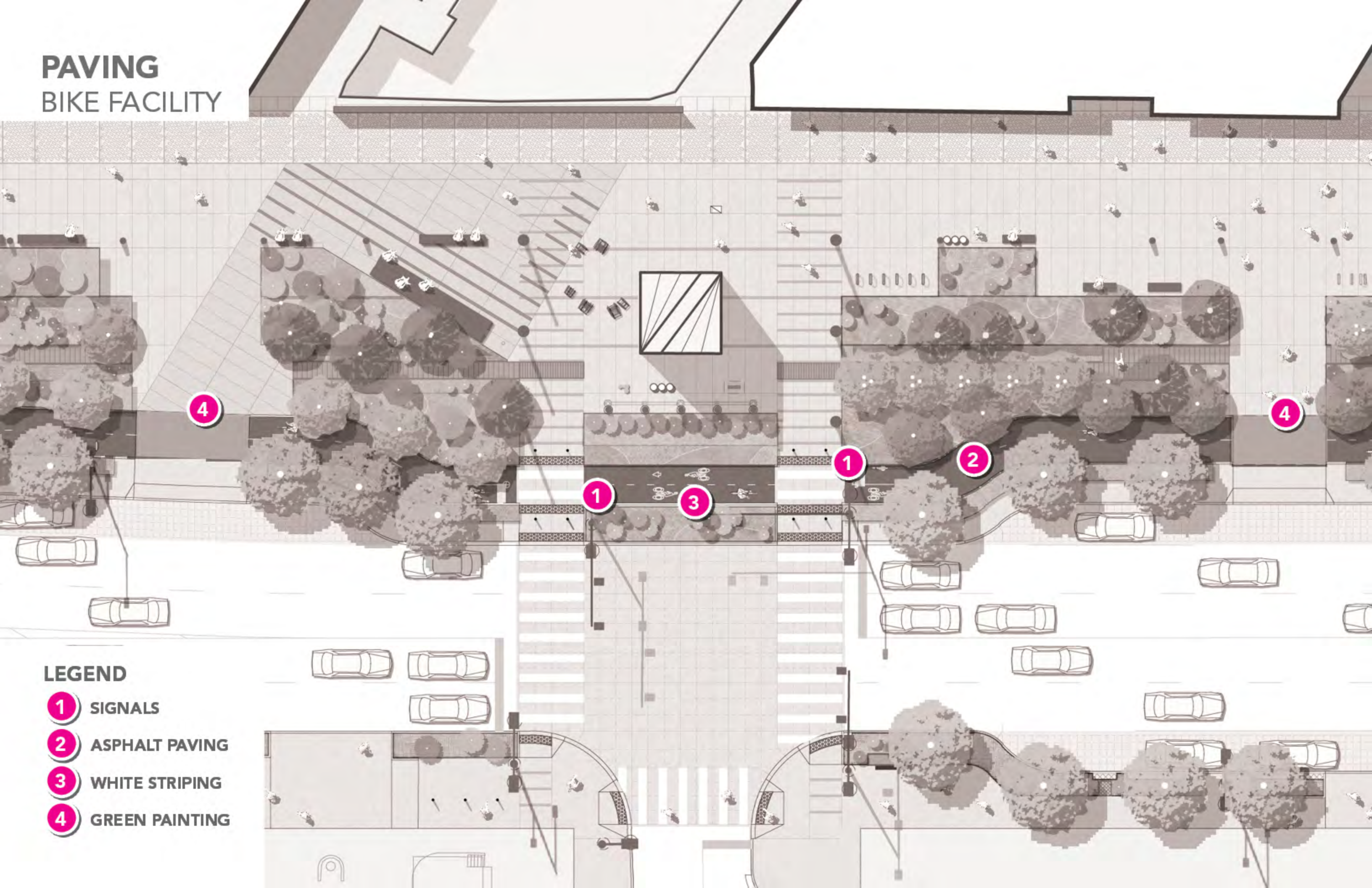


PAVING
BIKE FACILITY



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

PAVING BIKE FACILITY



LEGEND

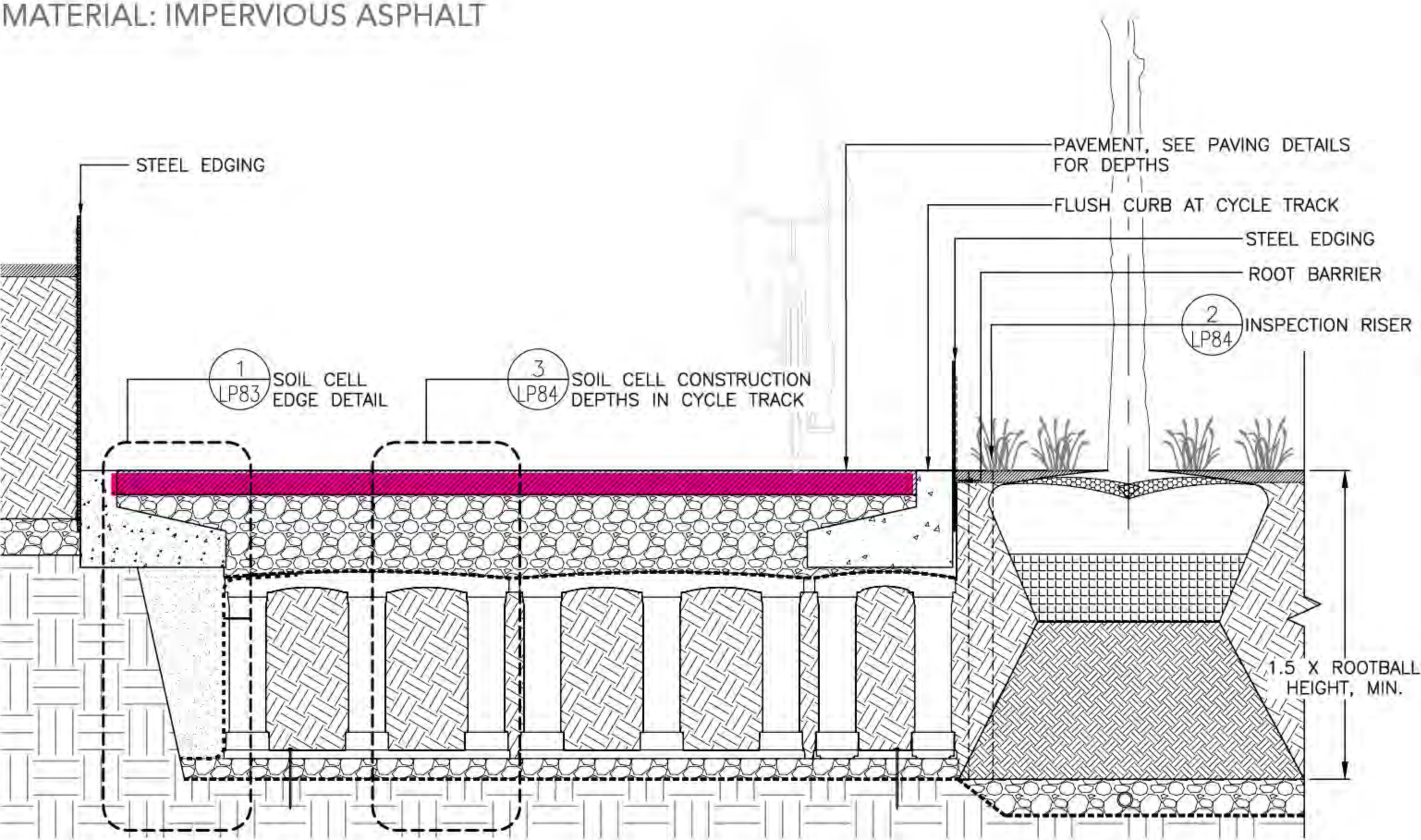
- 1 SIGNALS
- 2 ASPHALT PAVING
- 3 WHITE STRIPING
- 4 GREEN PAINTING

PAVING

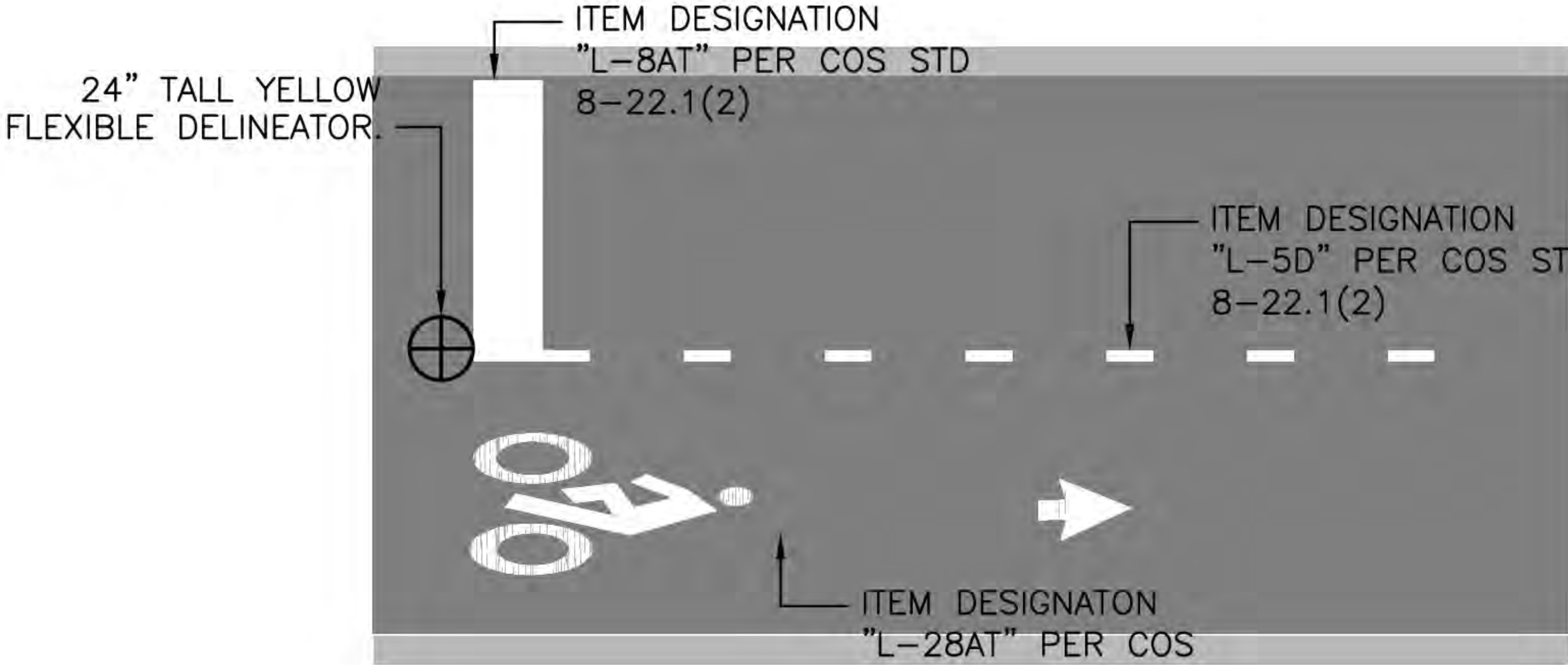
MATERIAL: IMPERVIOUS ASPHALT



PAVING
MATERIAL: IMPERVIOUS ASPHALT

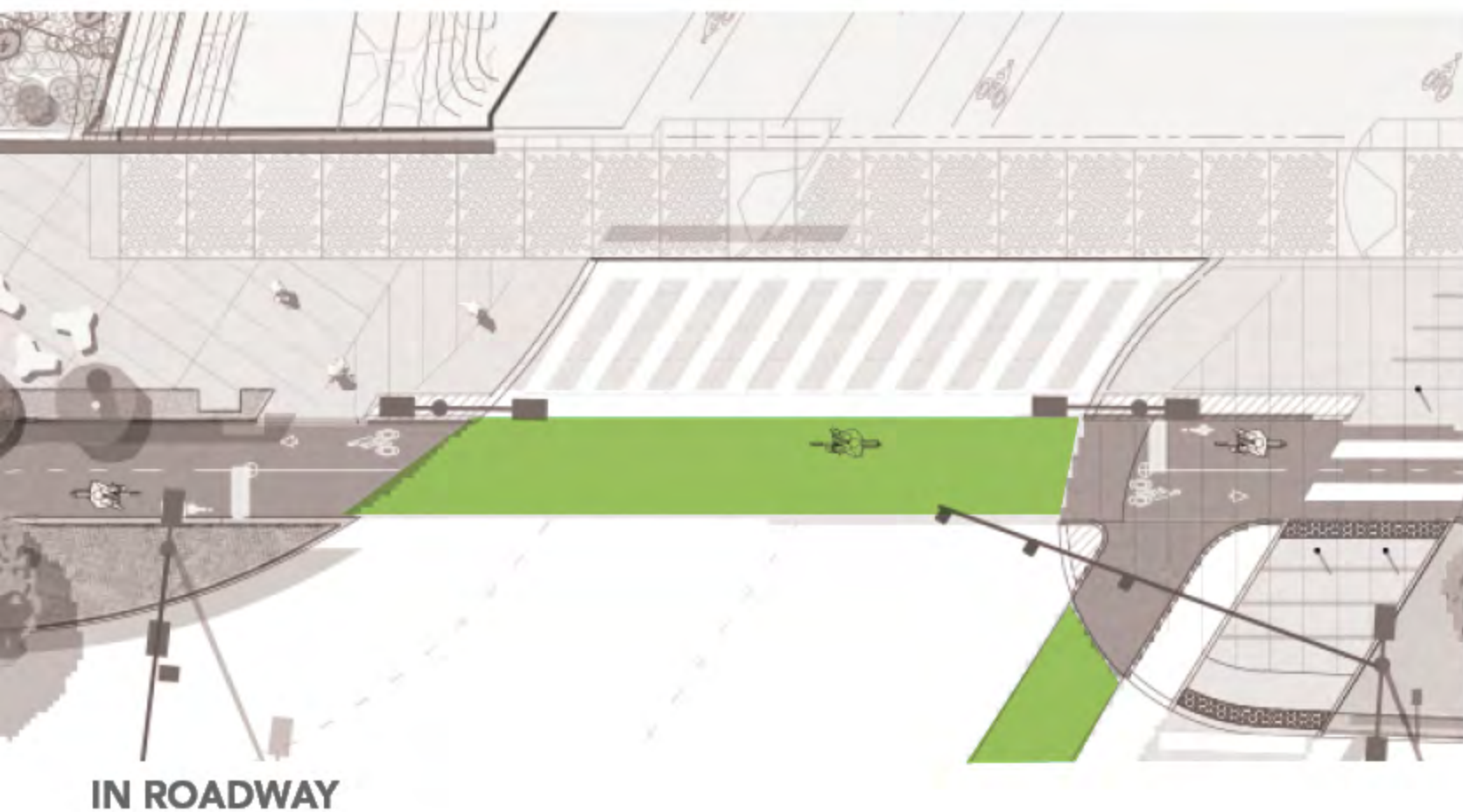
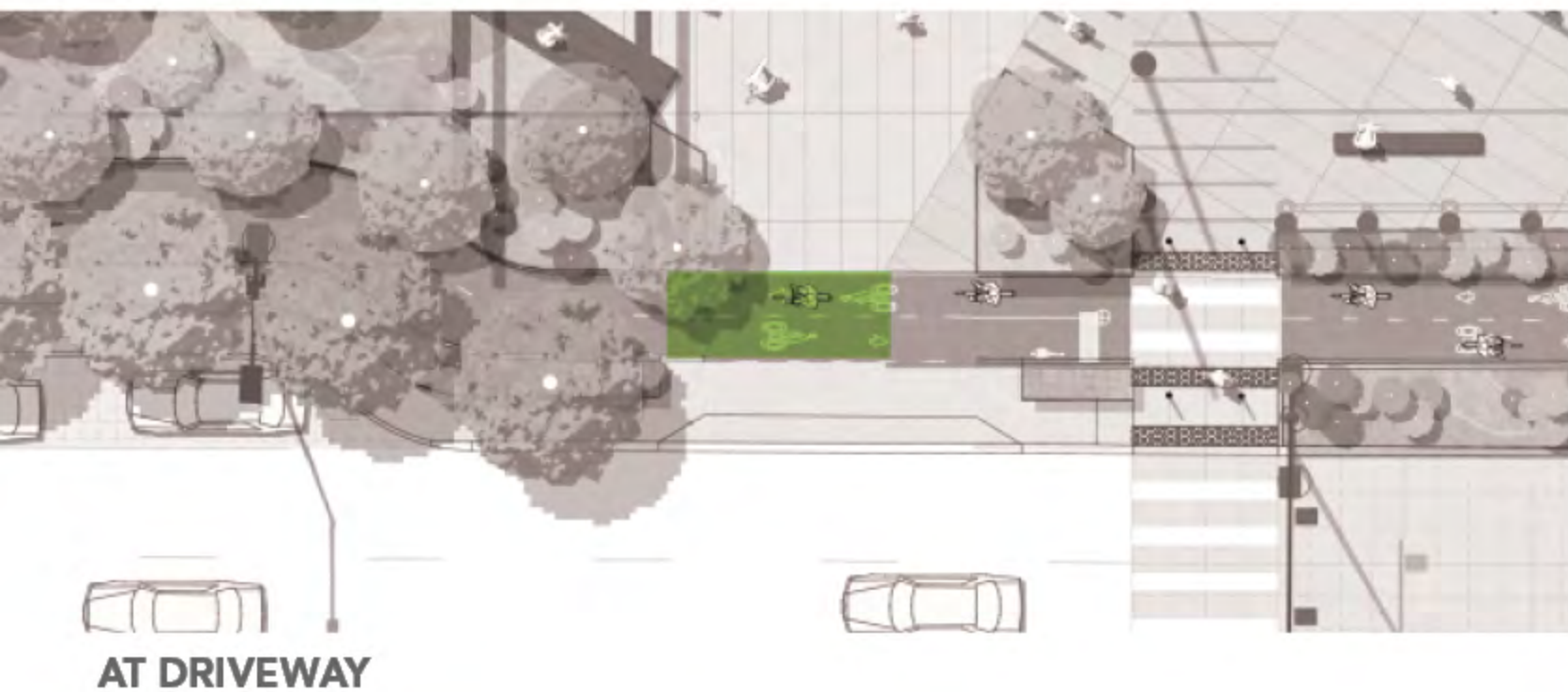


PAVING
BIKE FACILITY STRIPING

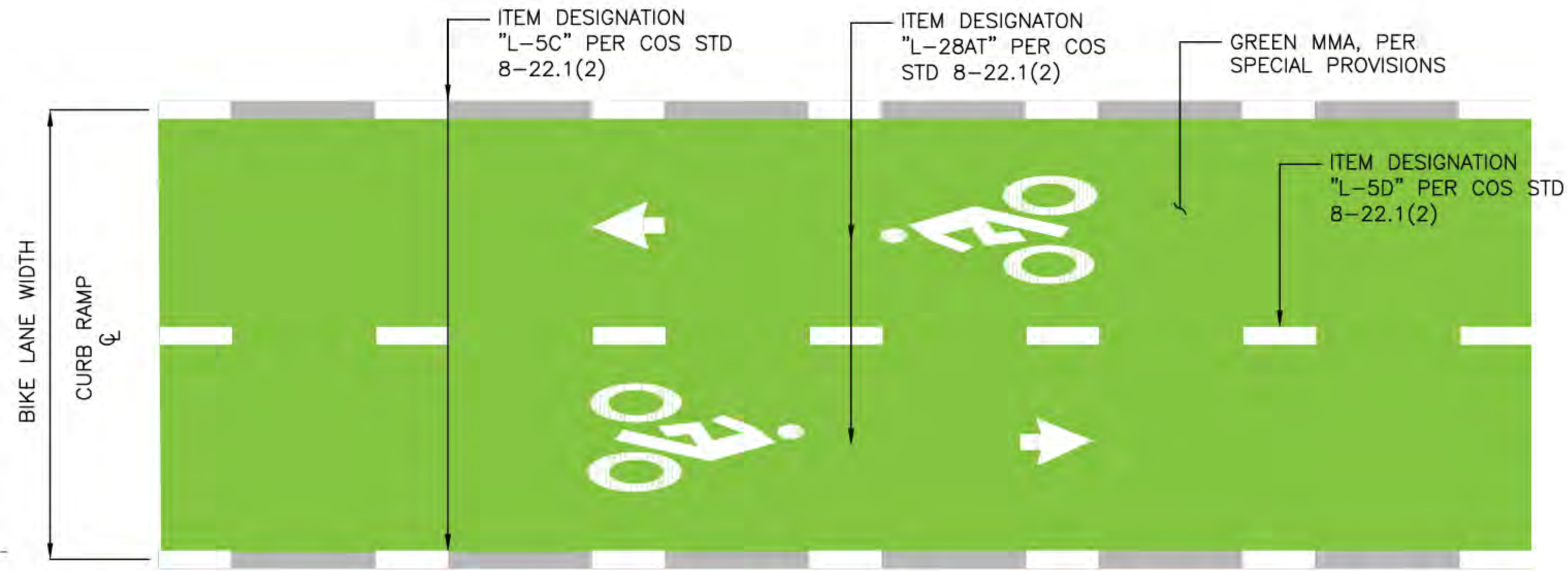


PAVING

BIKE FACILITY PAINTING



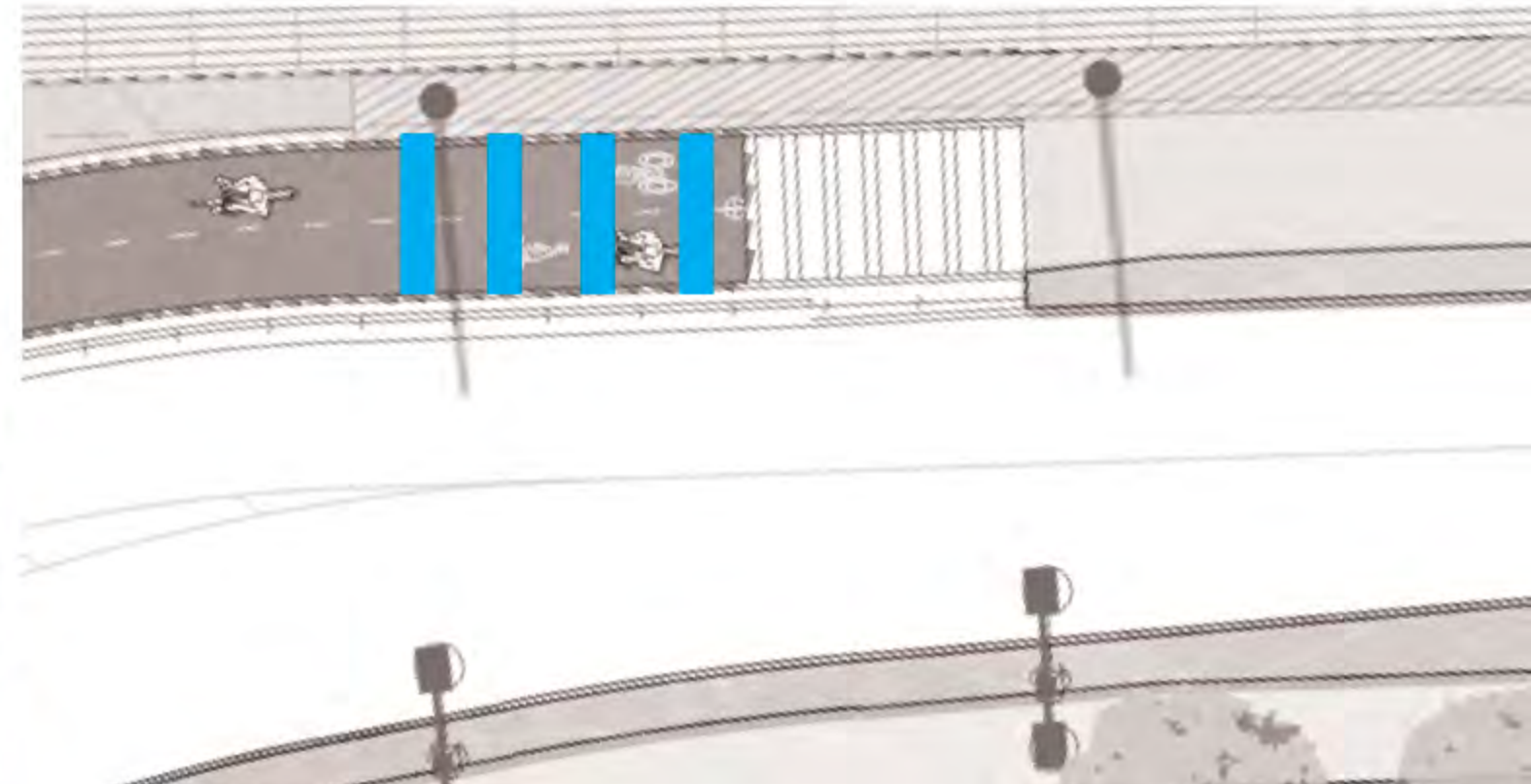
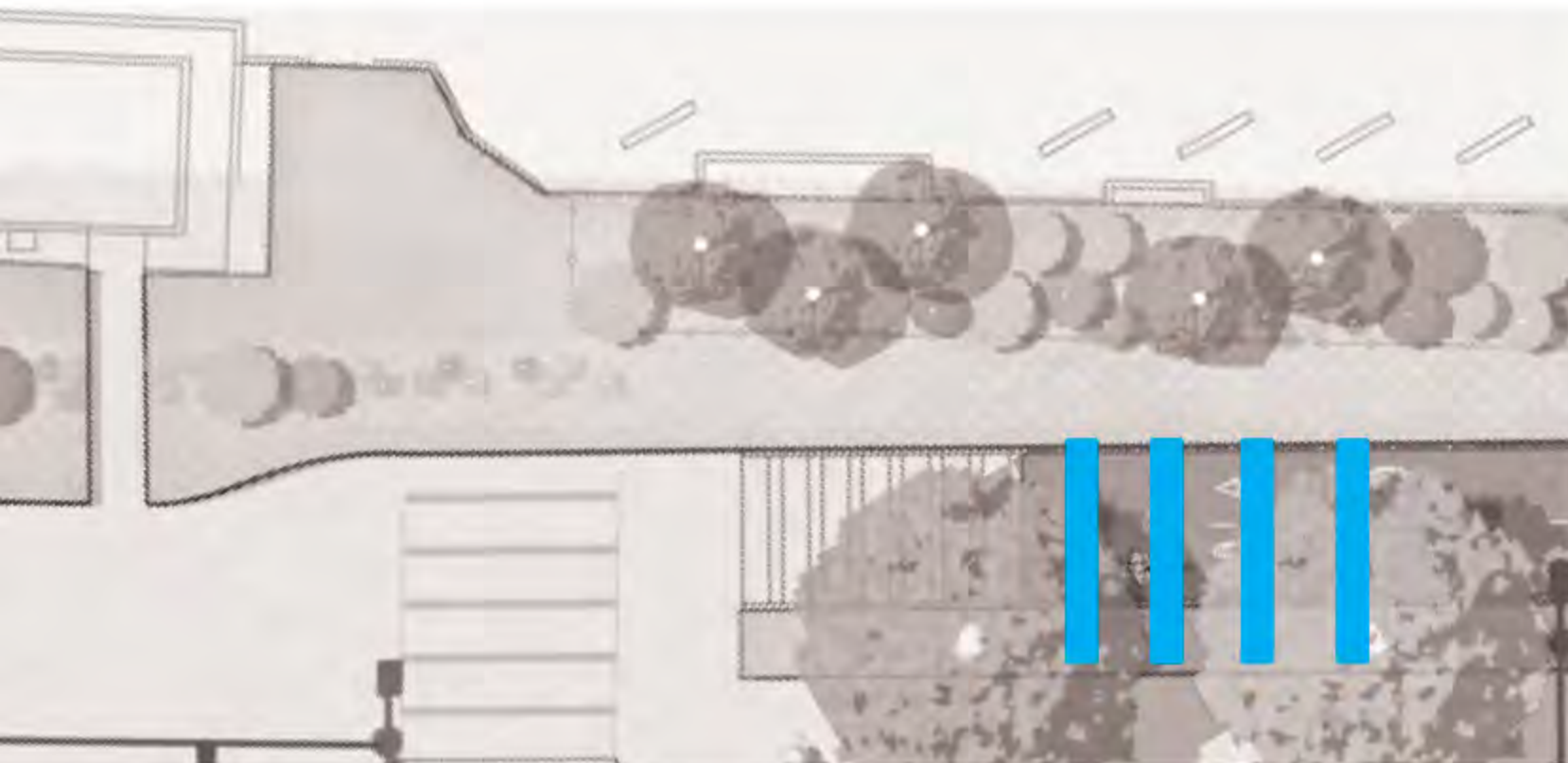
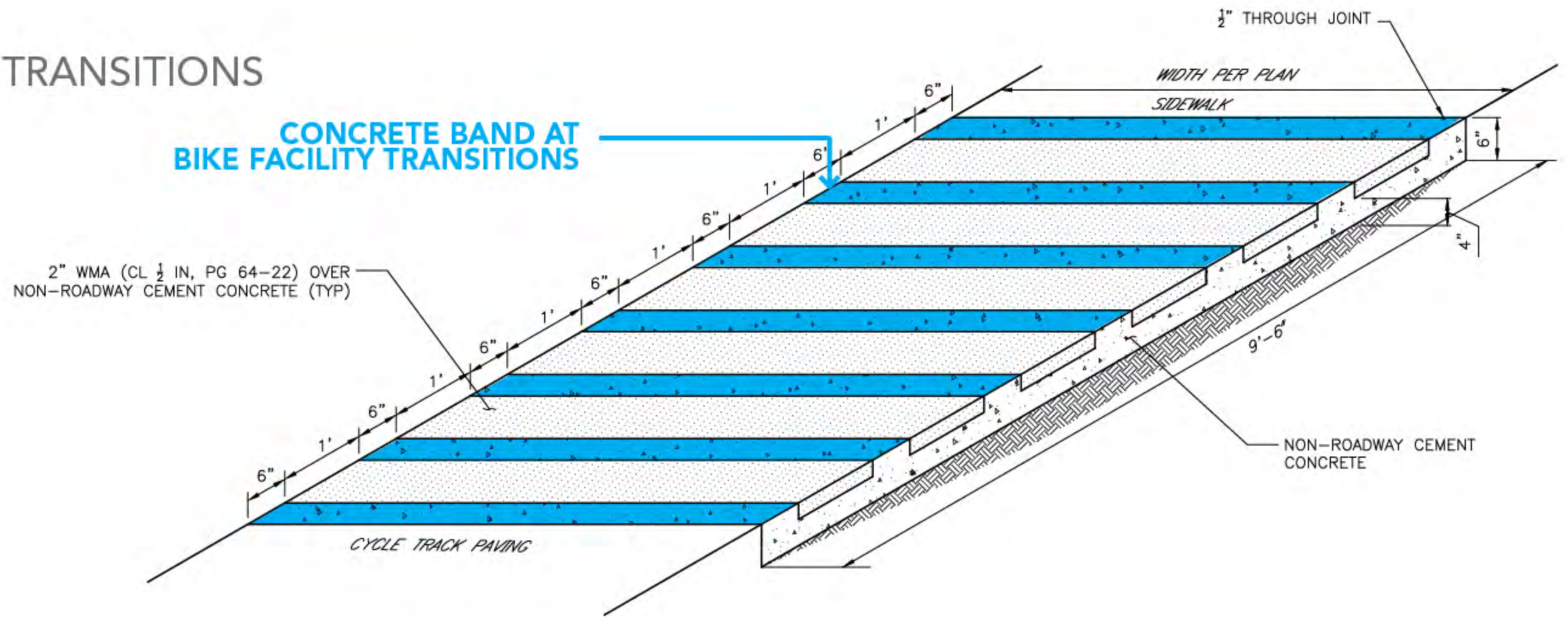
PAVING
BIKE FACILITY PAINTING



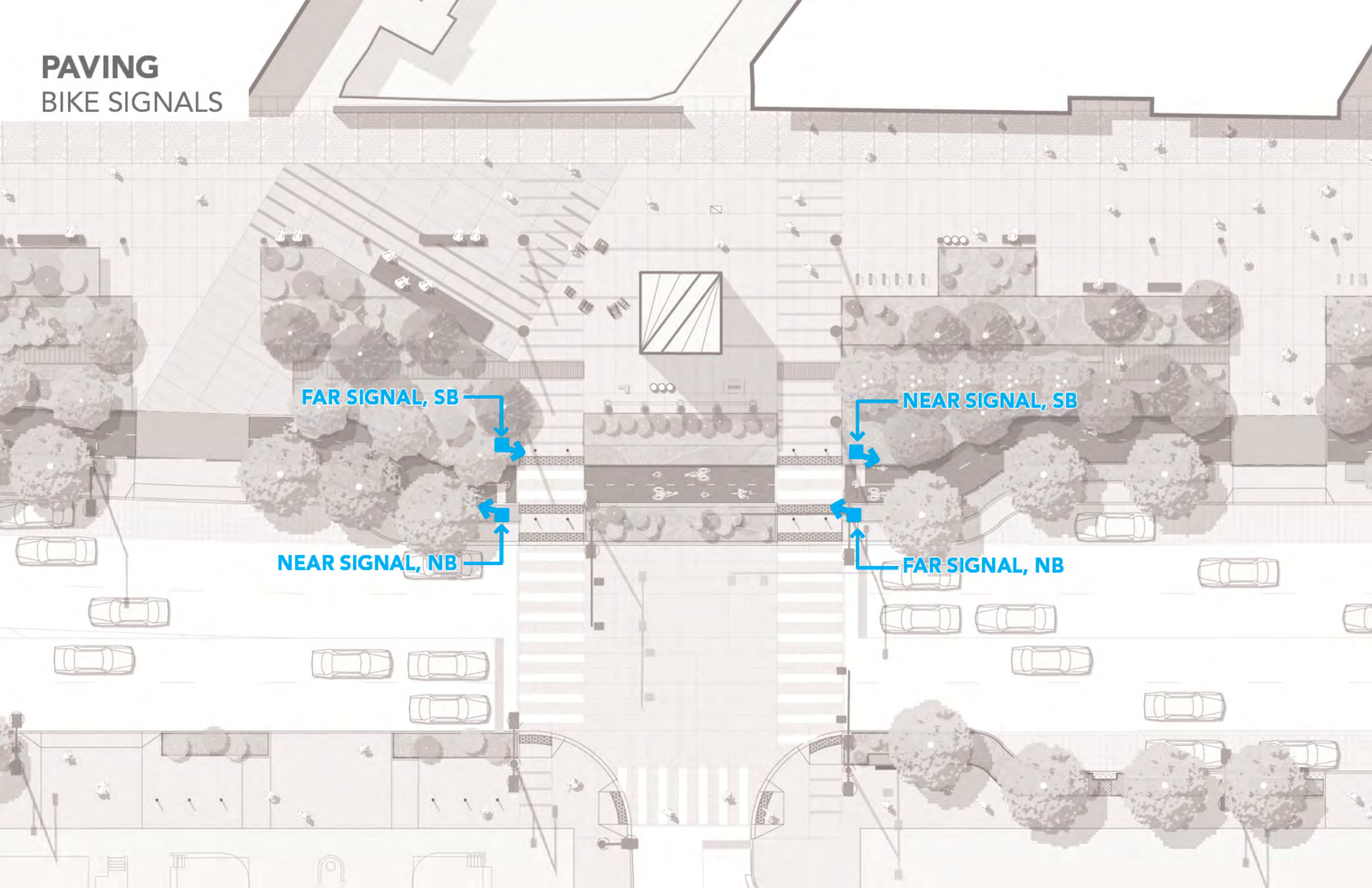
BIKE FACILITY GREEN COLOR AT VEHICULAR CROSSINGS

BIKE FACILITY TRANSITIONS

CONCRETE BAND AT BIKE FACILITY TRANSITIONS



PAVING
BIKE SIGNALS



PAVING BIKE FACILITY



PAVING

WEST SIDE + PROMENADE

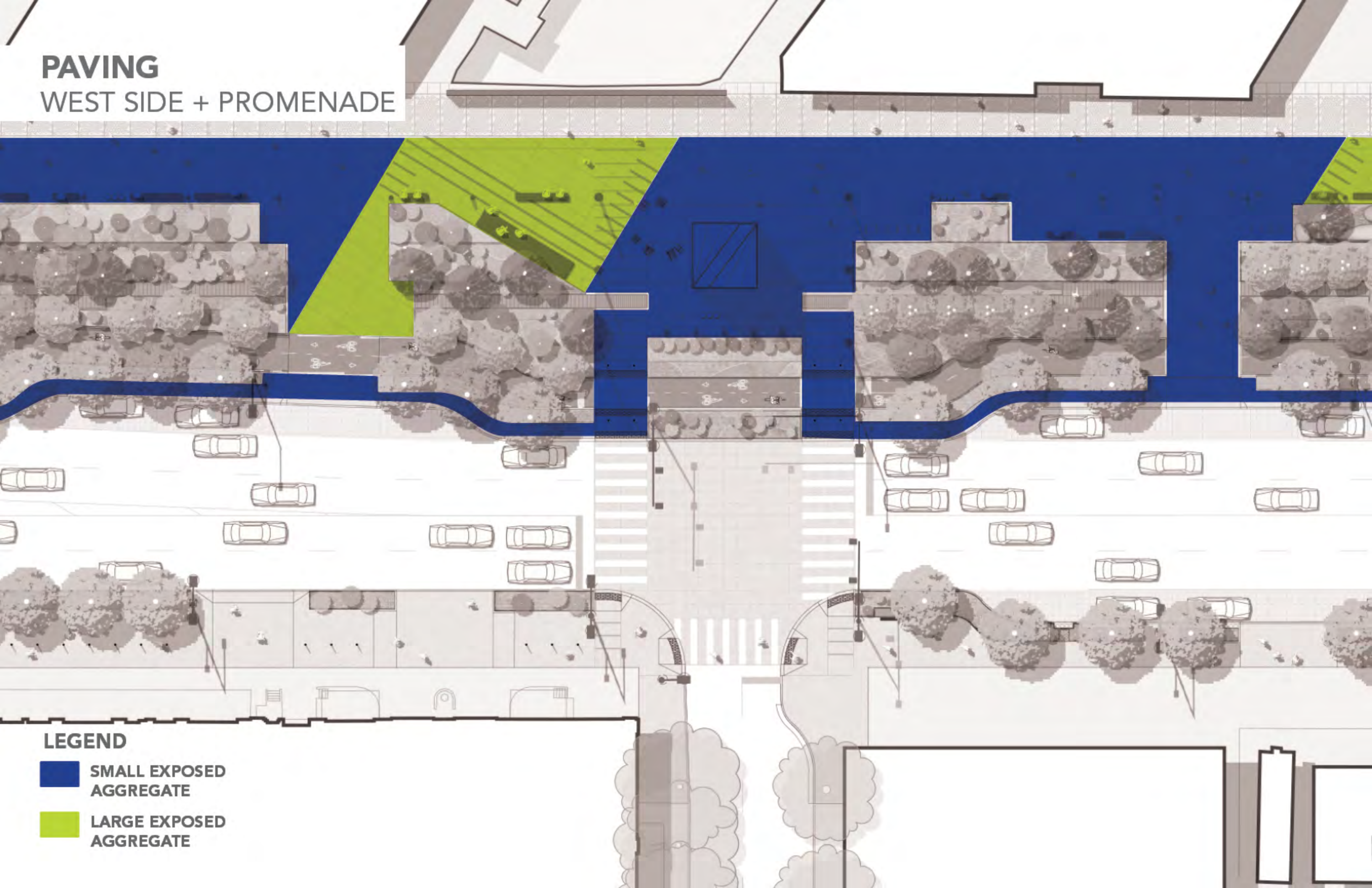


LEGEND

- 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

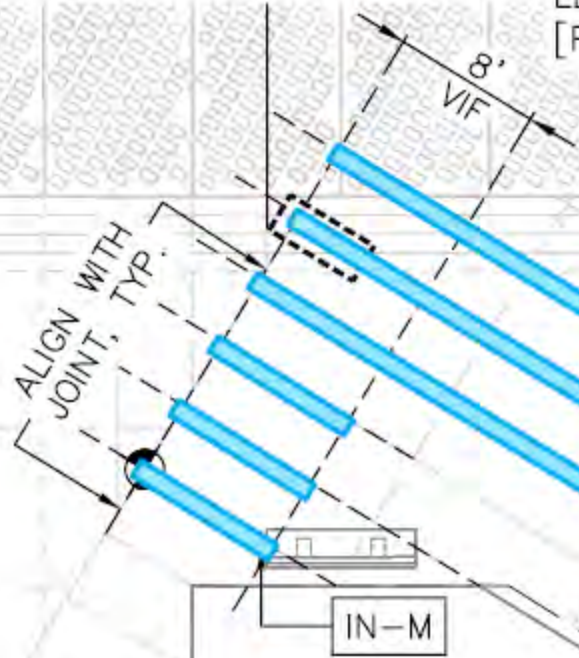
DIMENSIONAL
LETTERING,
LEFT JUSTIFY,
[PIER 56]

DIMENSIONAL
LETTERING,
RIGHT JUSTIFY,
[PIER 57]

DIMENSIONAL
LETTERING,
RIGHT JUSTIFY,
[UNIVERSITY
STREET]

DIMENSIONAL LETTERING,
RIGHT JUSTIFY,
[UNIVERSITY STREET]

ALIGN WITH JOINT, TYP



04
PV31

05
PV31

04
PV31

IN-C

IN-C

ALIGN WITH PLANTER
EDGE AND JOINT,
BOTH SIDES

ALIGN WITH PLANTER
EDGE AND JOINT,
BOTH SIDES

LEGEND

 METAL INLAYS

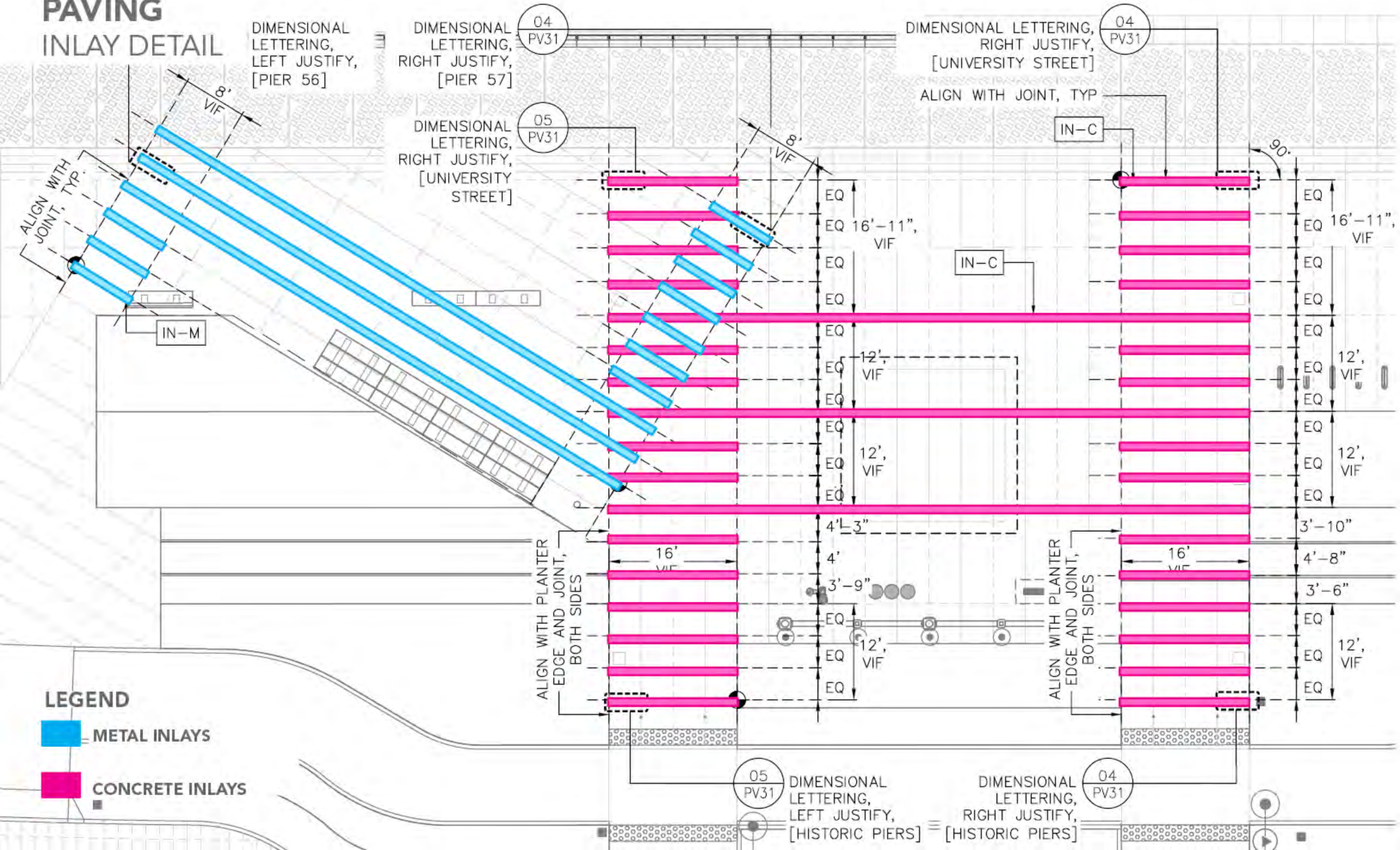
 CONCRETE INLAYS

05
PV31

DIMENSIONAL
LETTERING,
LEFT JUSTIFY,
[HISTORIC PIERS]

DIMENSIONAL
LETTERING,
RIGHT JUSTIFY,
[HISTORIC PIERS]

04
PV31



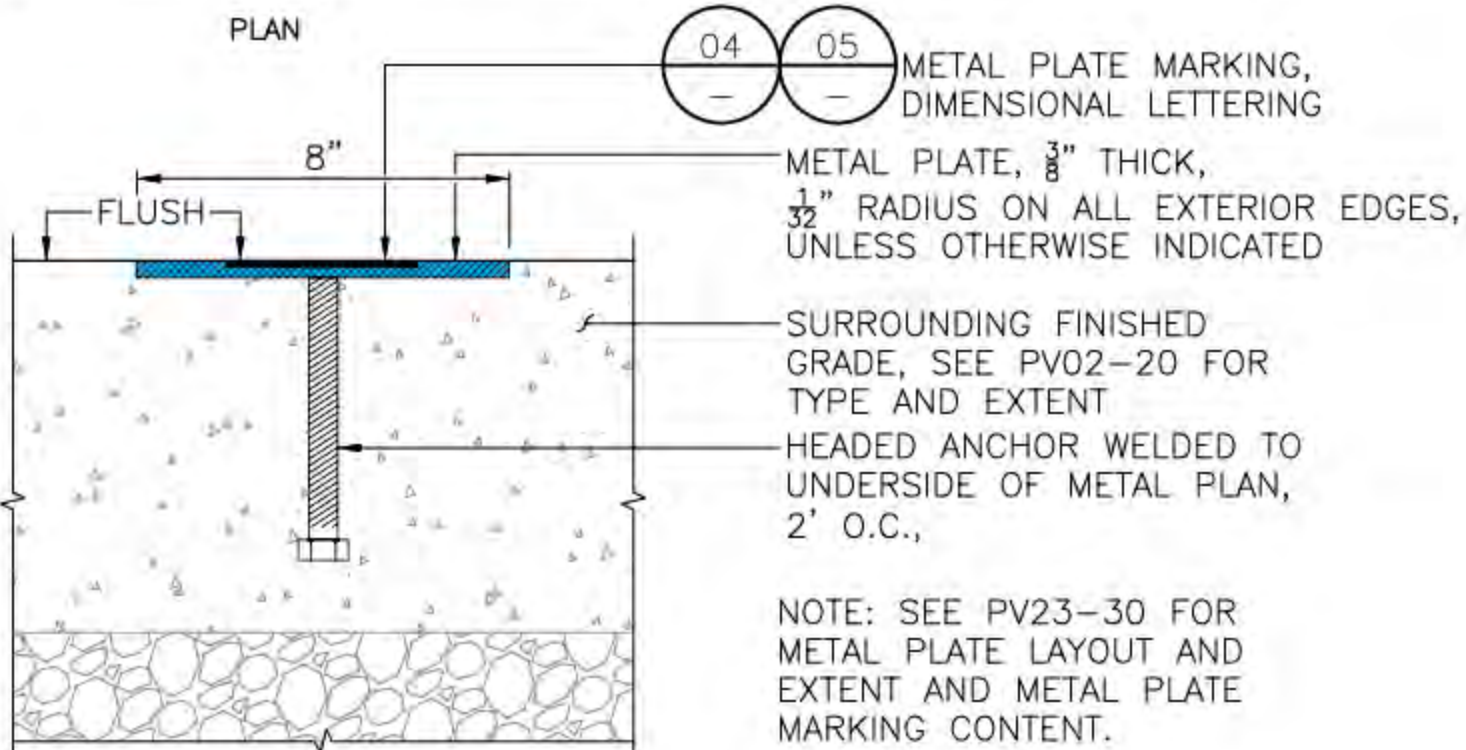
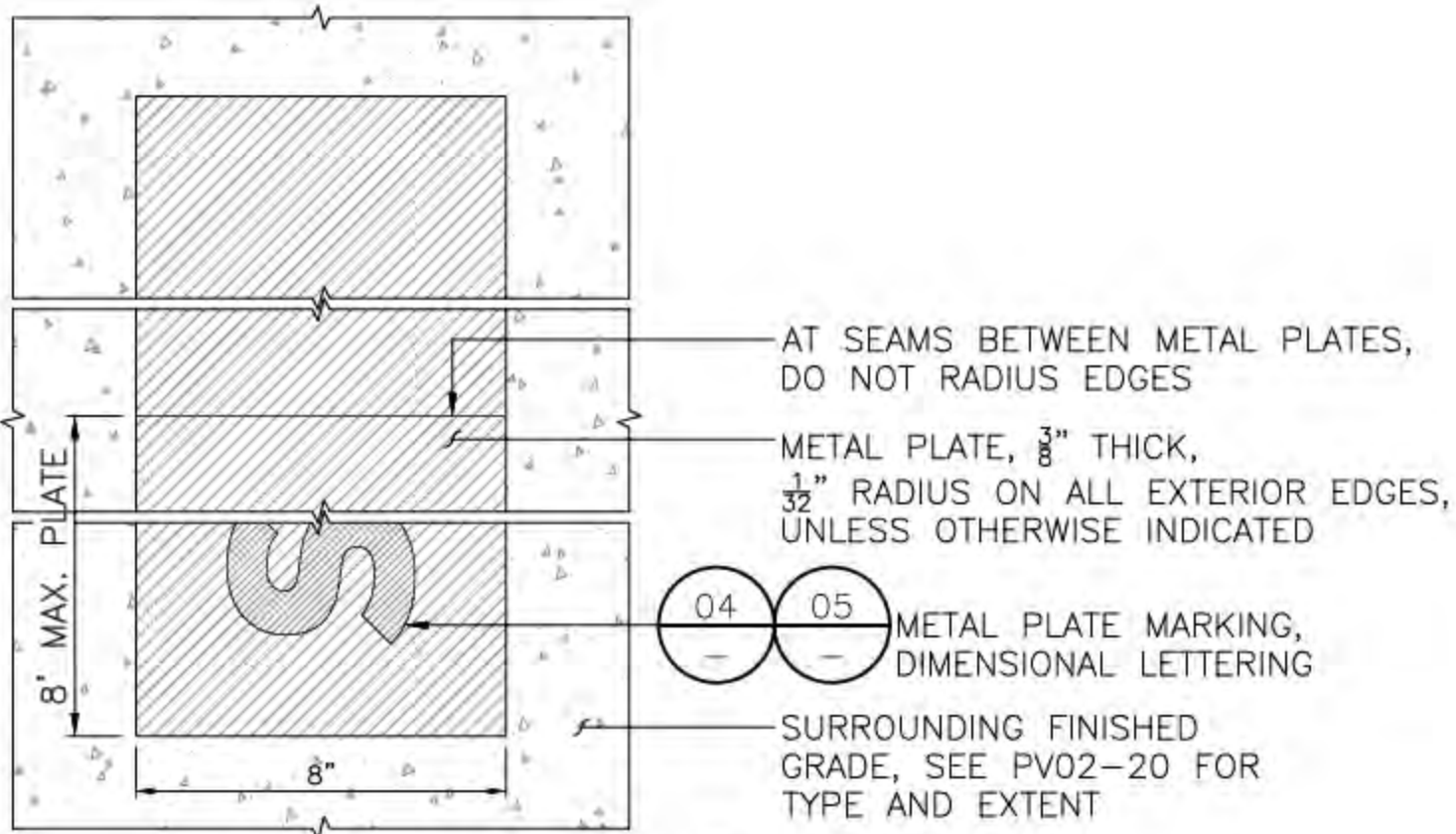
PAVING

MOCK UP: LARGE AGGREGATE

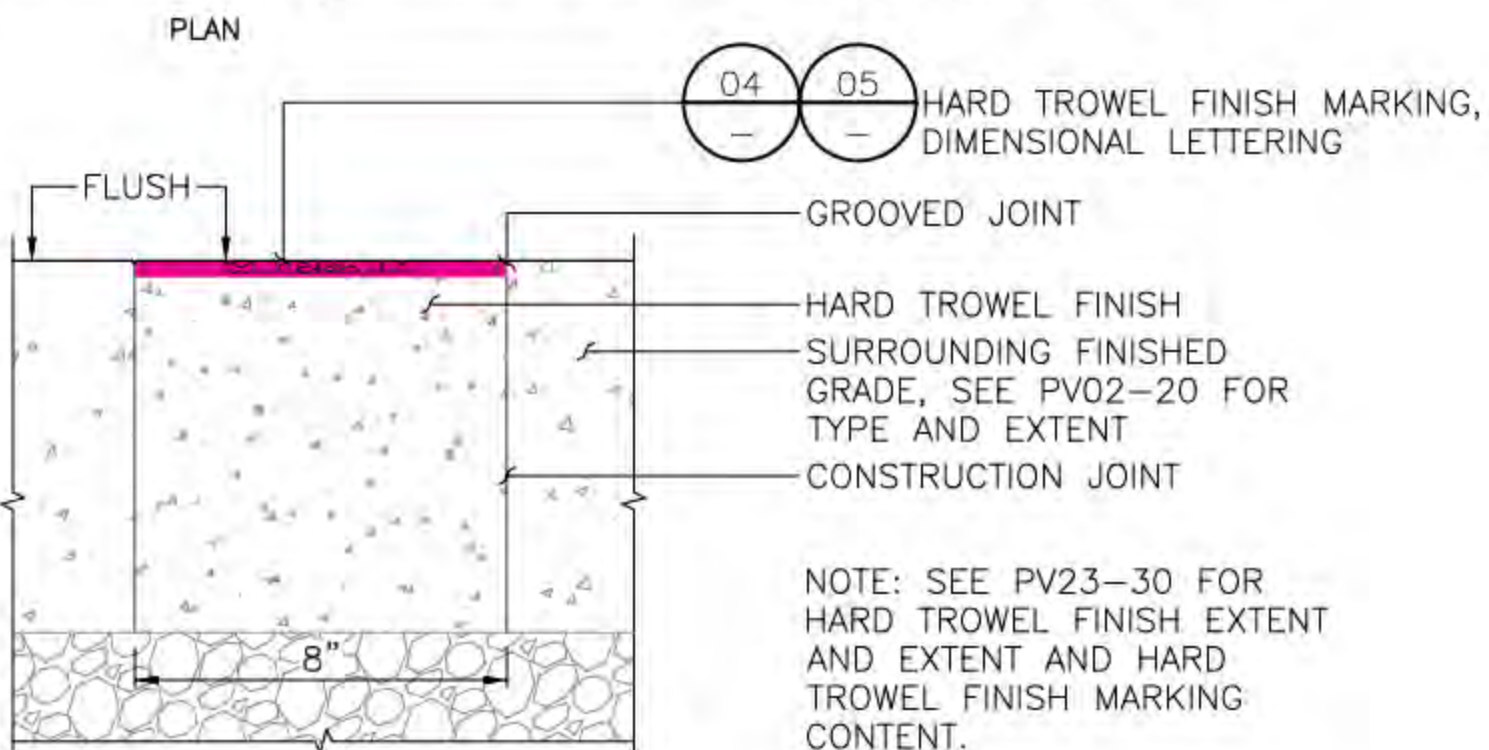
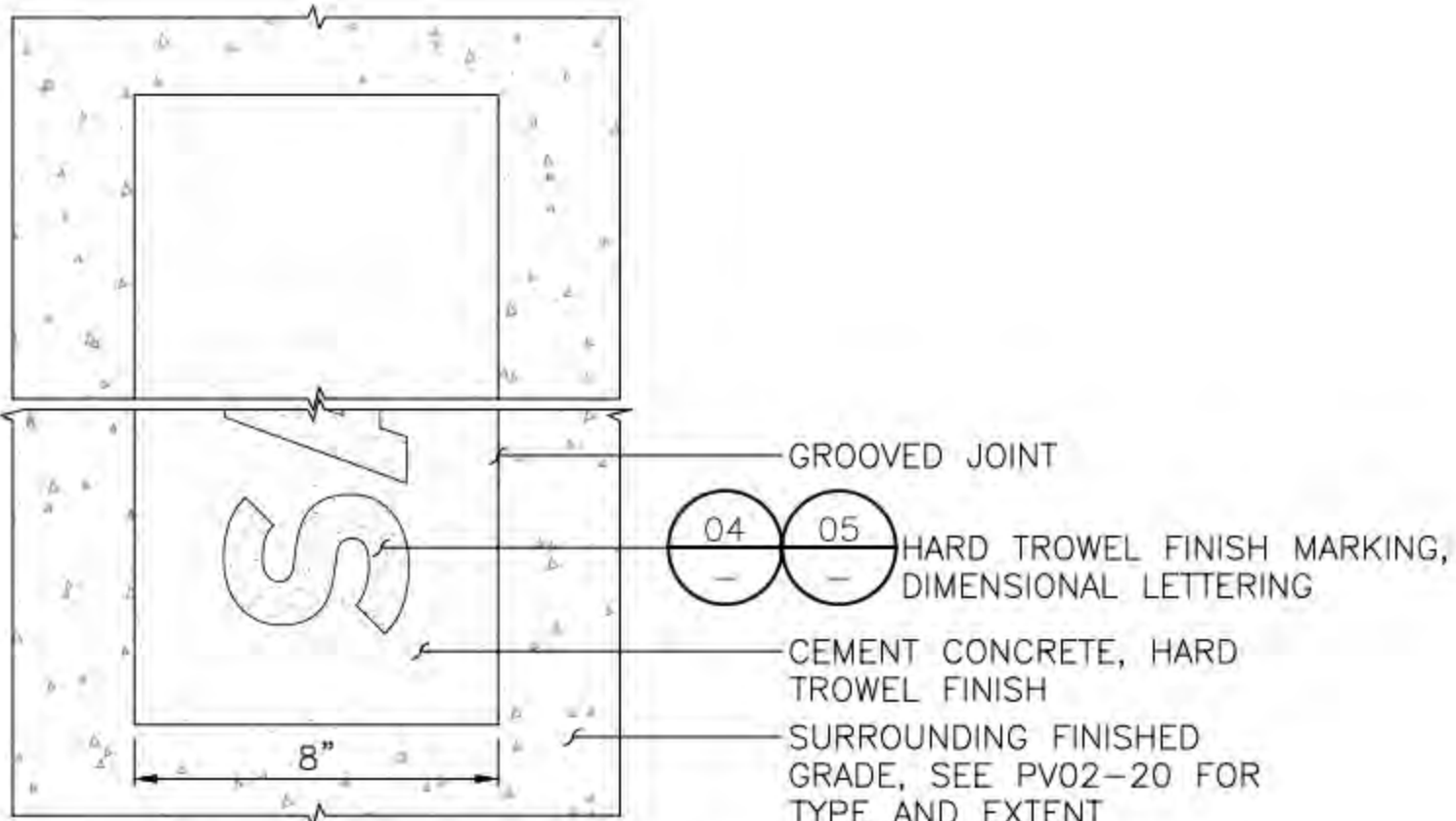
UNION STREET

06/09/2016 13:09

PAVING INLAY DETAIL

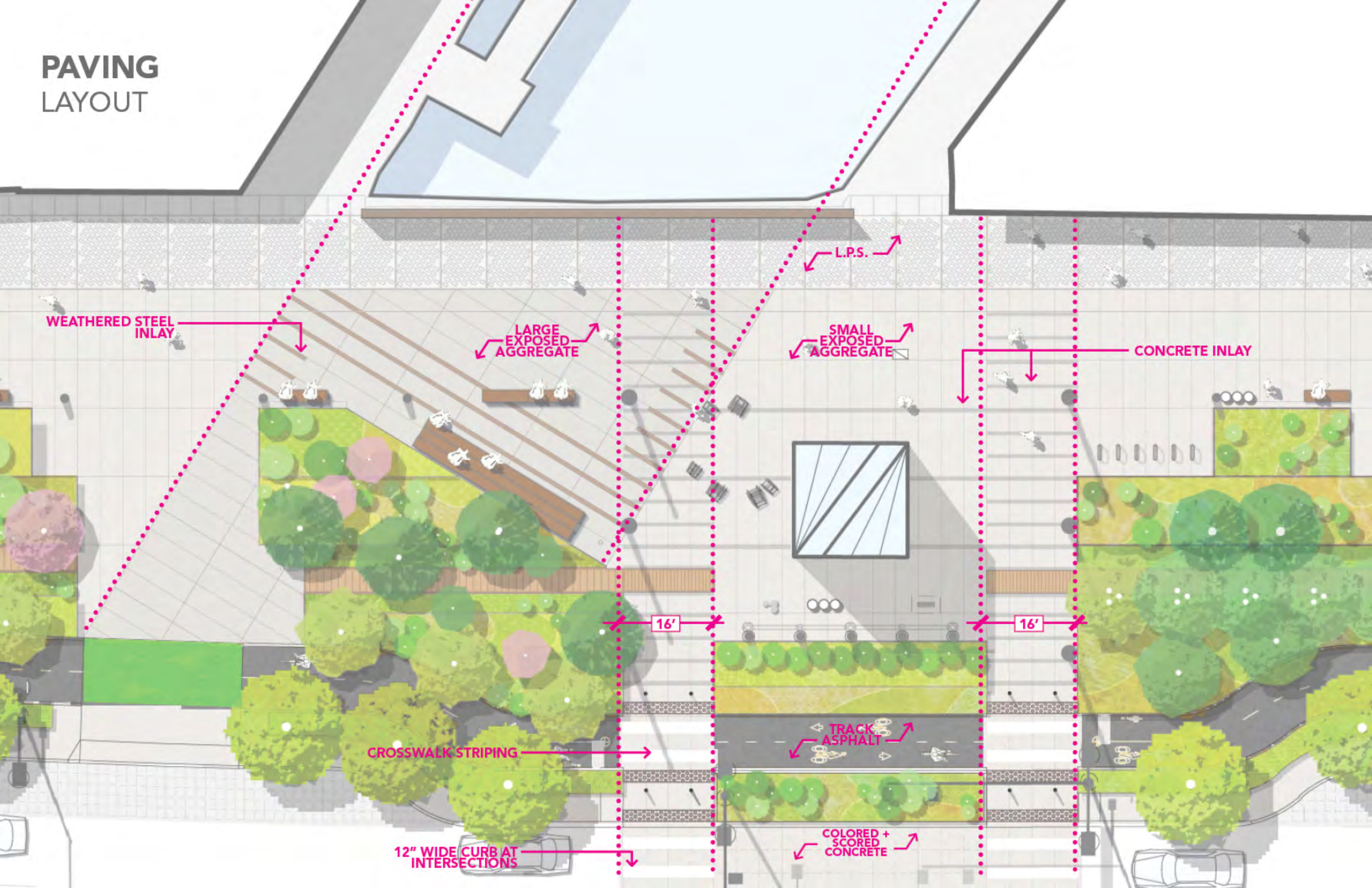


METAL INLAY



CONCRETE INLAY

PAVING
LAYOUT



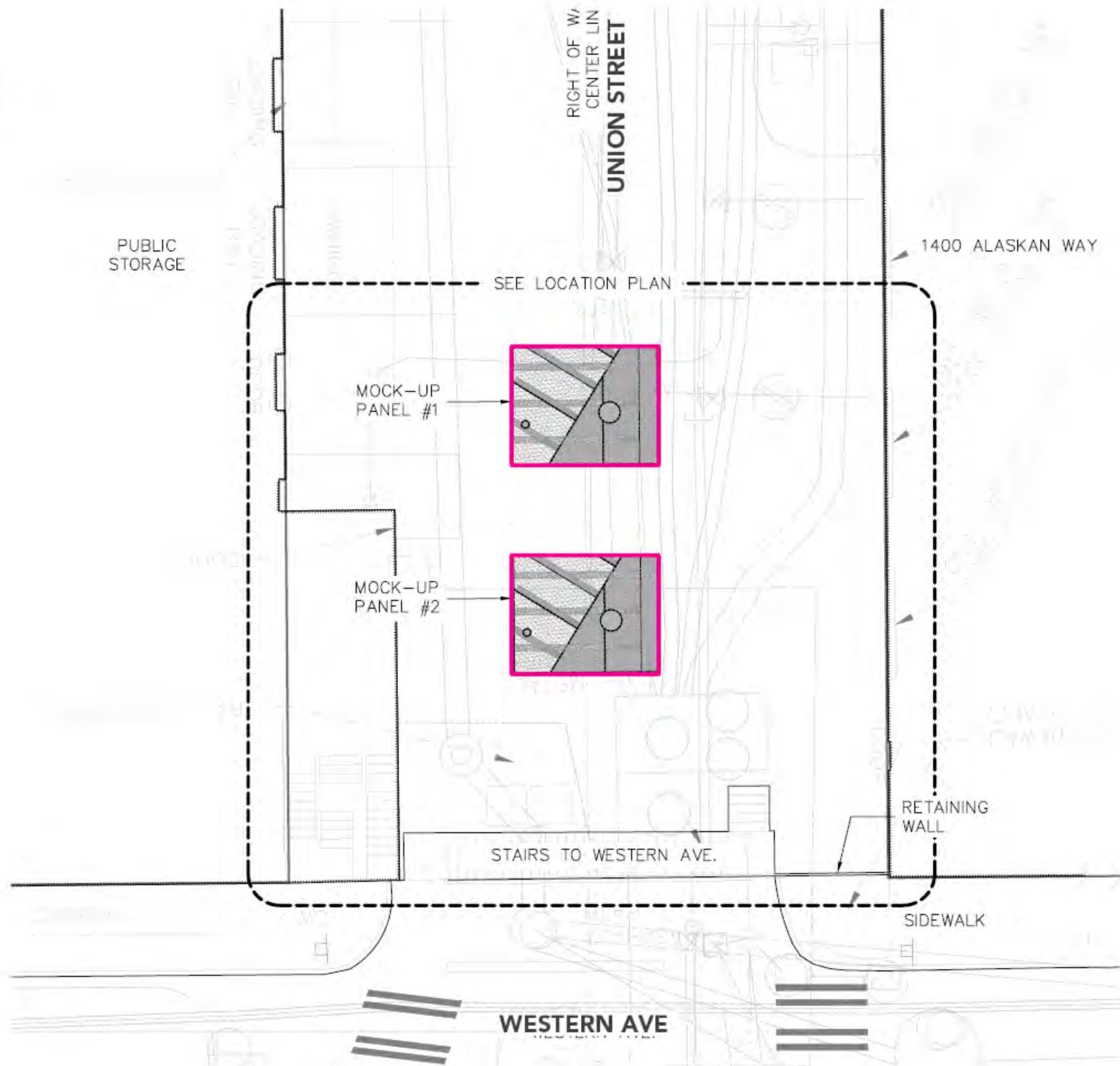
PAVING VIEW



PAVING
MOCK UP



PAVING
MOCK UP UNION ST. LOCATION

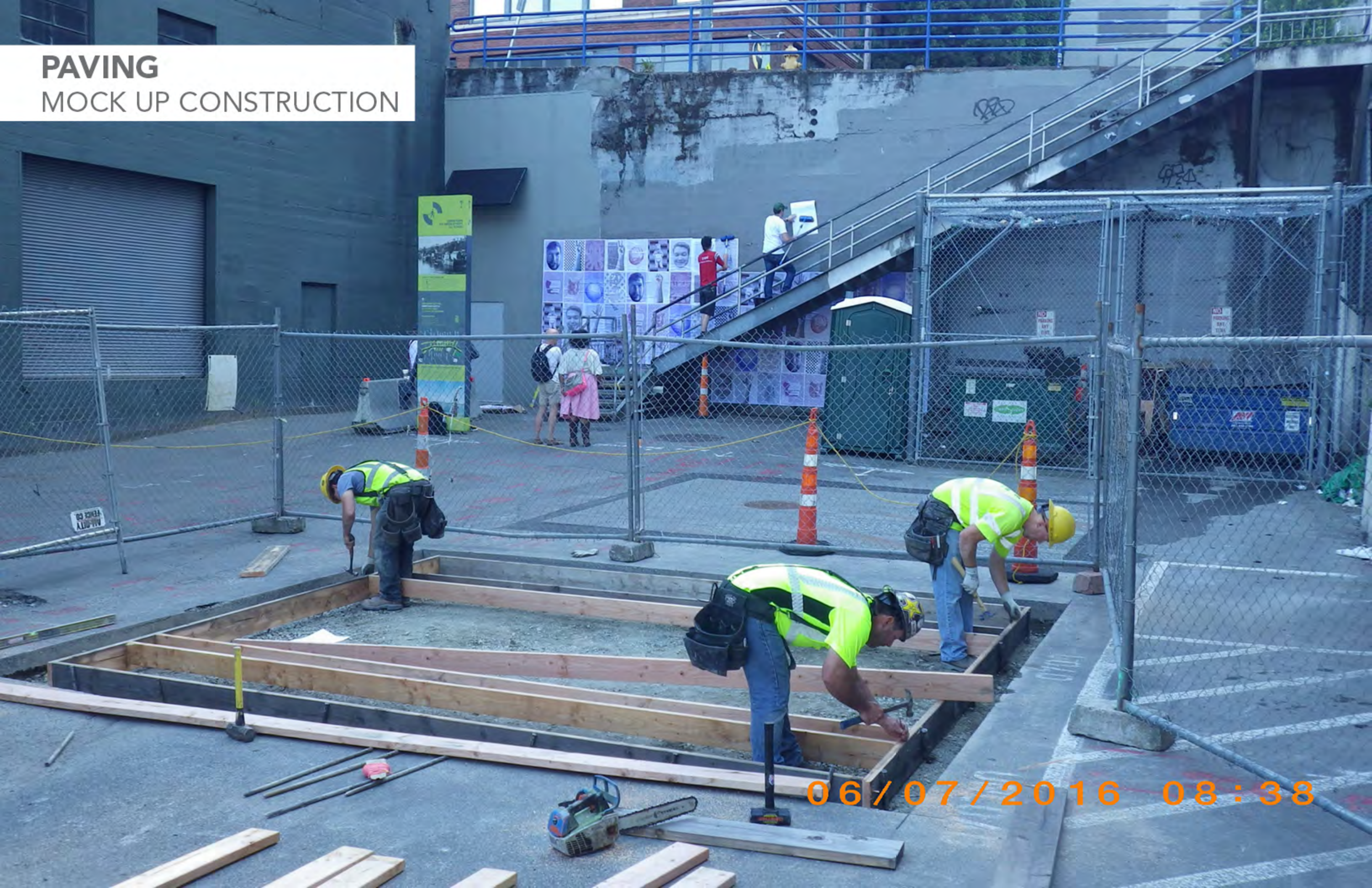


PAVING

MOCK UP UNION ST. LOCATION

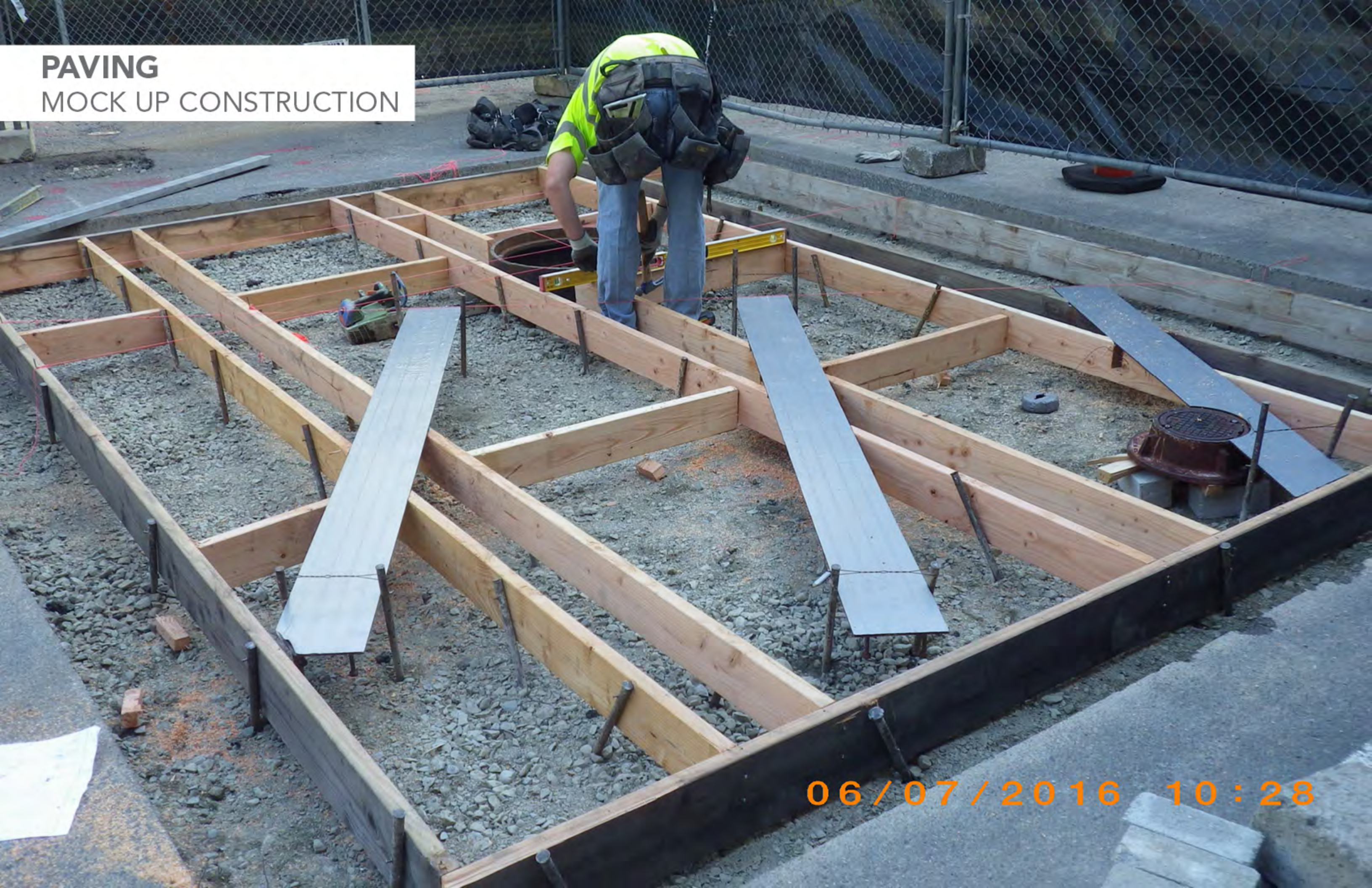


PAVING MOCK UP CONSTRUCTION



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



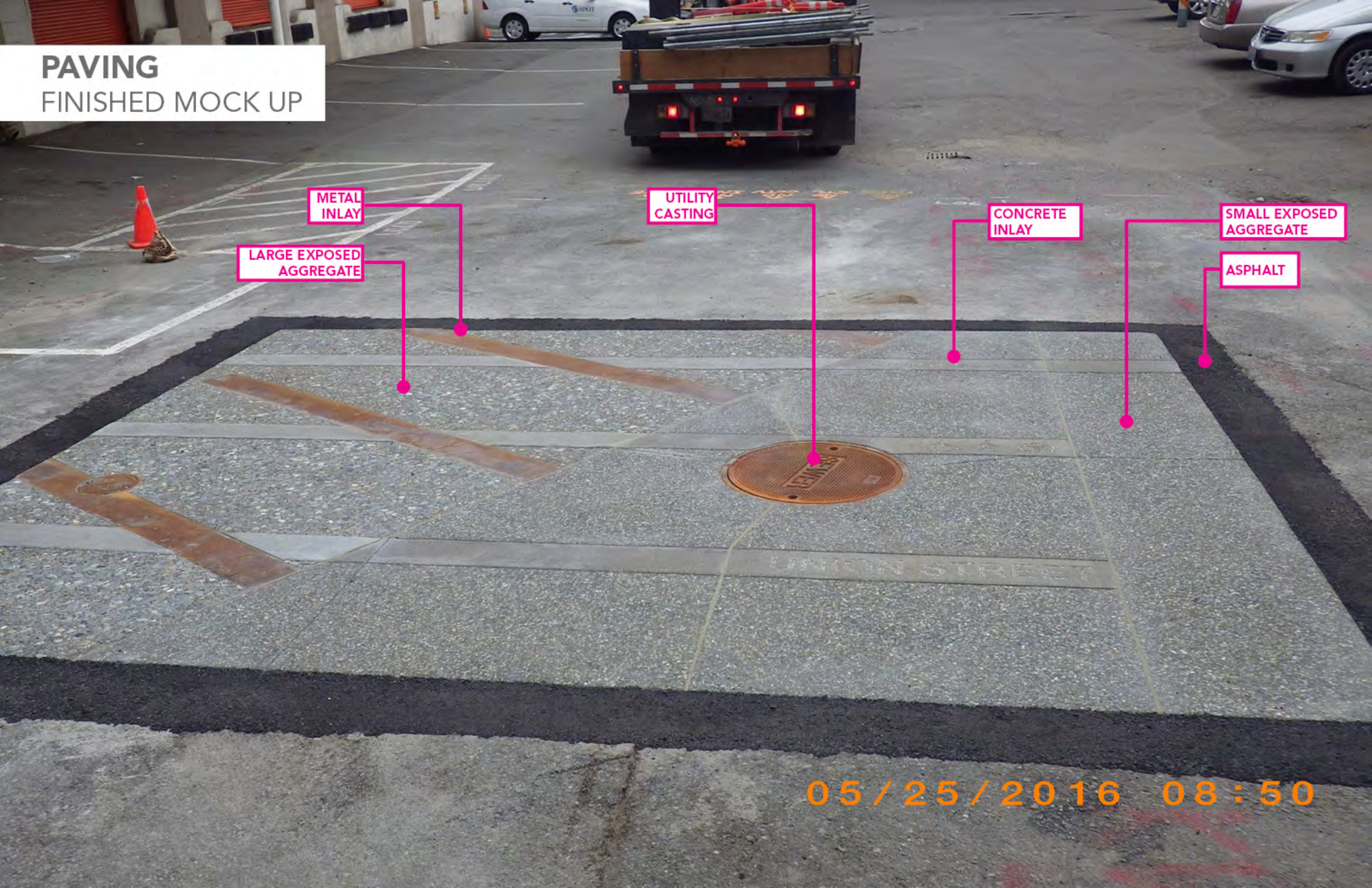
06/09/2016 11:14

PAVING
MOCK UP CONSTRUCTION



06/09/2016 12:19

PAVING FINISHED MOCK UP



05/25/2016 08:50

CONTINUOUS ELEMENTS

PLANTING

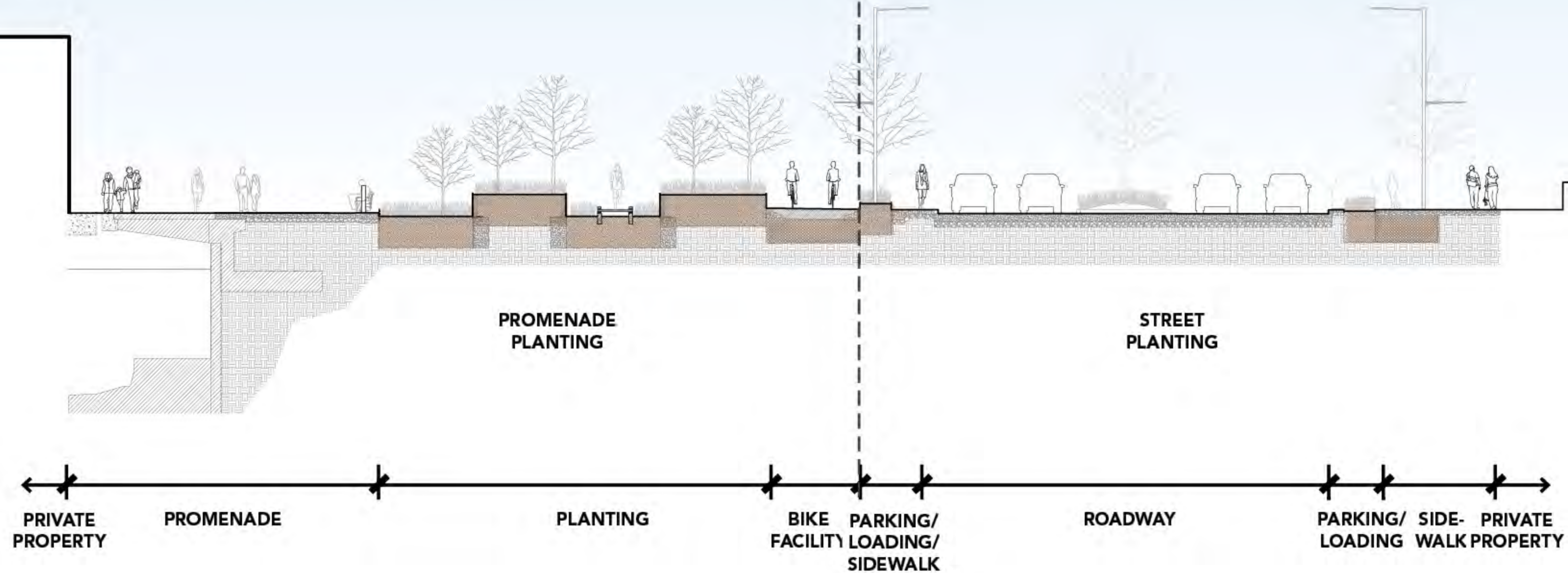
PLANTING TYPOLOGIES

PROMENADE TYPOLOGIES

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

STREET TYPOLOGIES

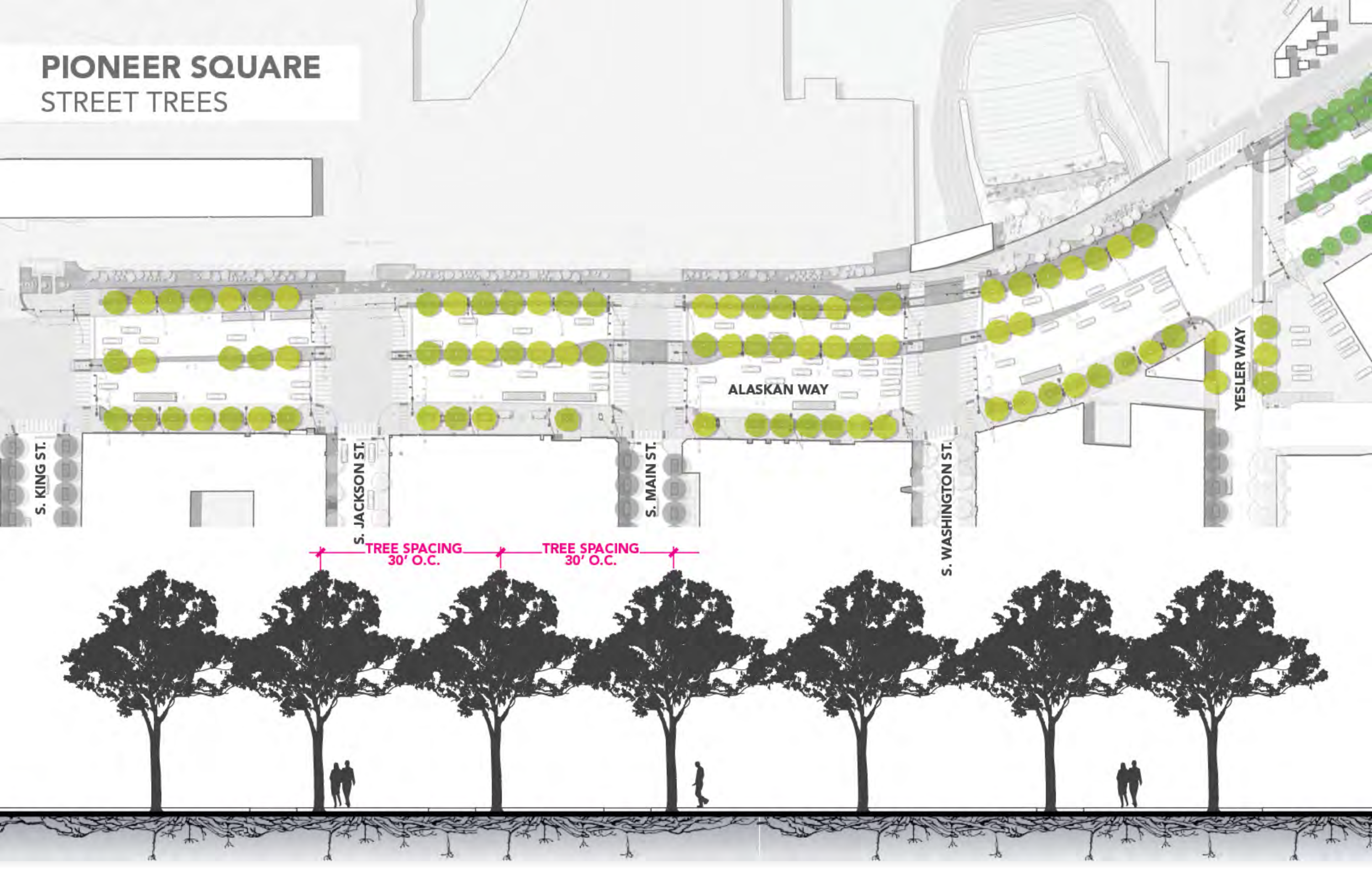
- LINEAR LAYOUT
- REGULAR SPACING
- OPEN AT EYE LEVEL
- MAINTAINED BY SDOT
- TOUGH



PLANTING
DIVERSITY ALONG THE CORRIDOR



PIONEER SQUARE STREET TREES



PIONEER SQUARE STREET TREES



PLATANUS X ACERIFOLIA 'YARWOOD'
LONDON PLANE TREE

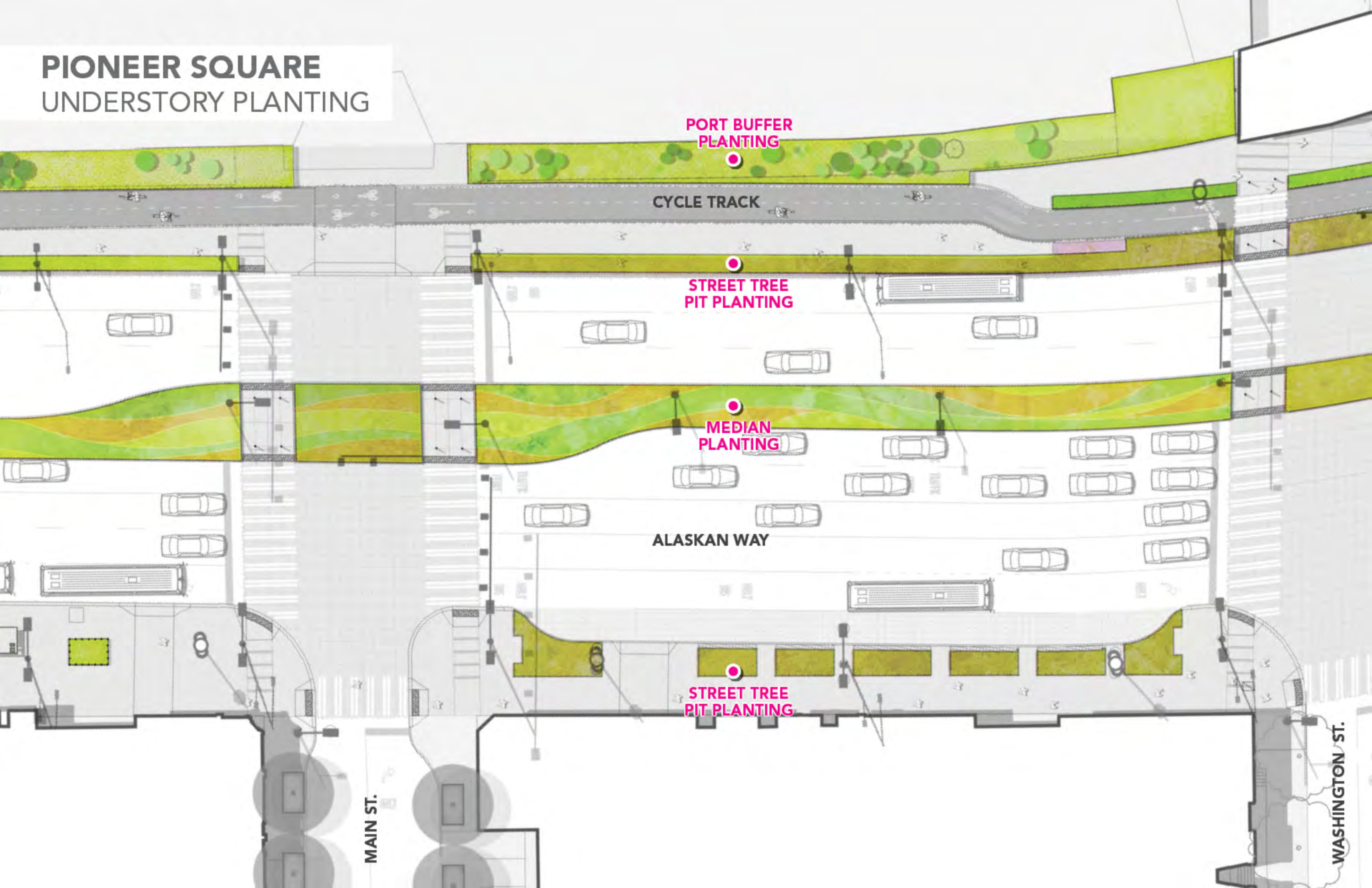
INSTALLATION SIZE: 4-5" CAL
20 YR HEIGHT: 25-30'



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
'sempilena'



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'



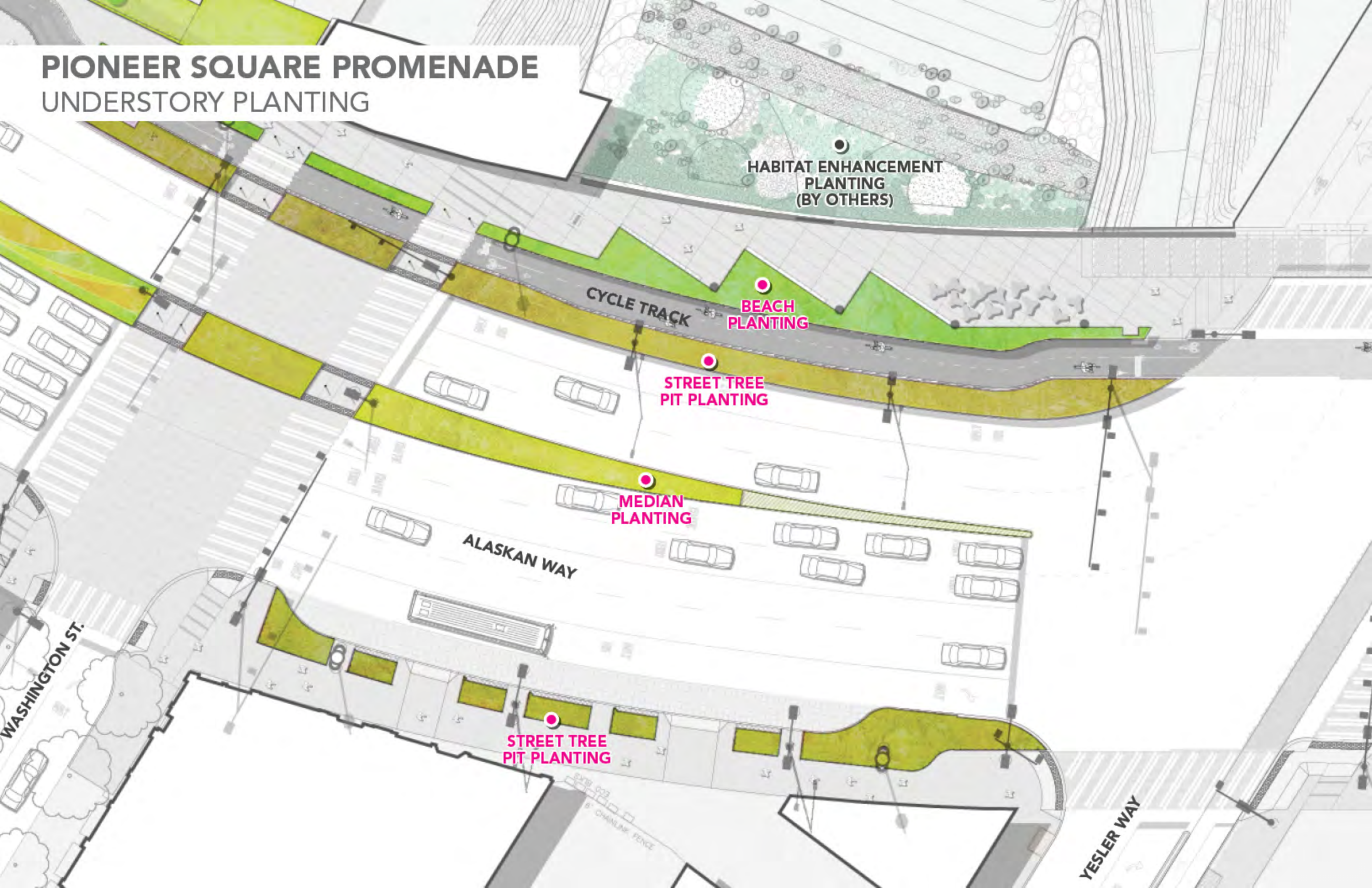
Symphoricarpos x
chenaultii



Pinus contorta

PIONEER SQUARE PROMENADE

UNDERSTORY PLANTING



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

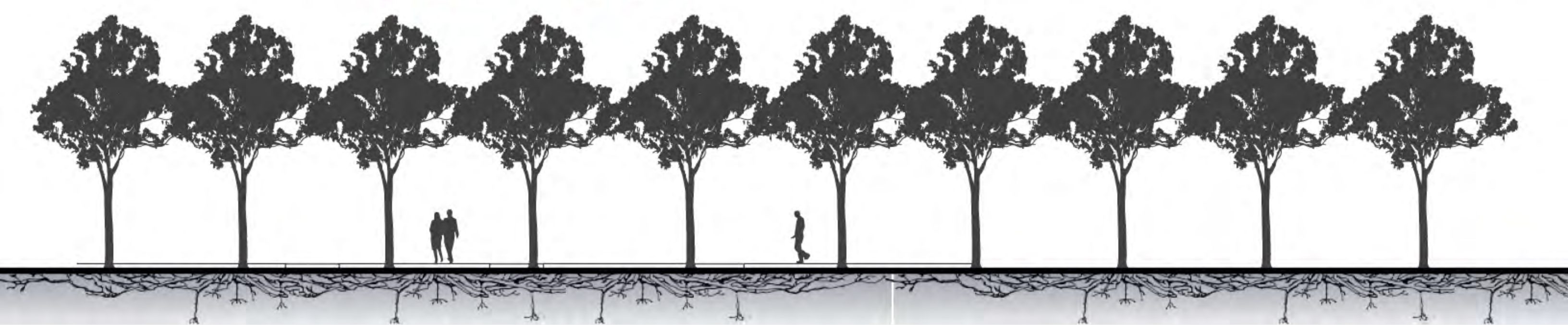
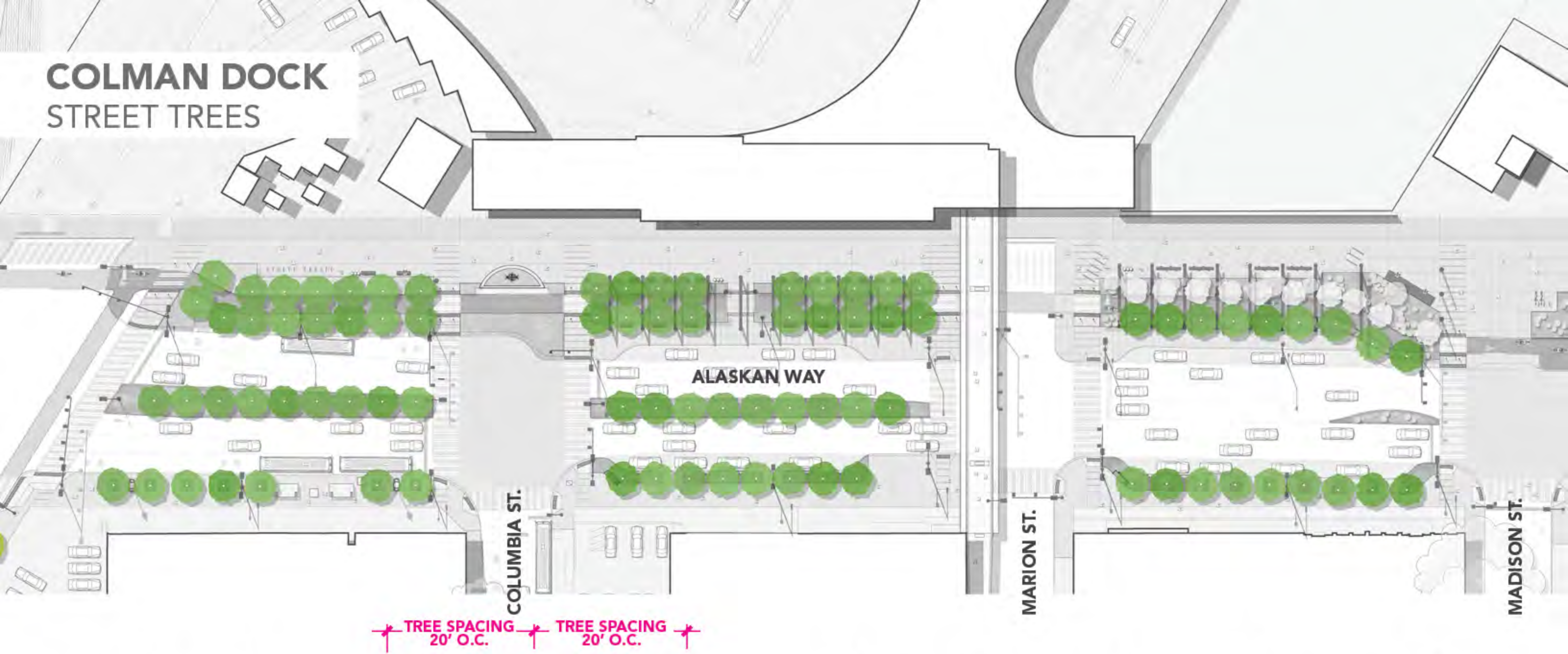


Arctostaphylos x 'John Dourley'



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'

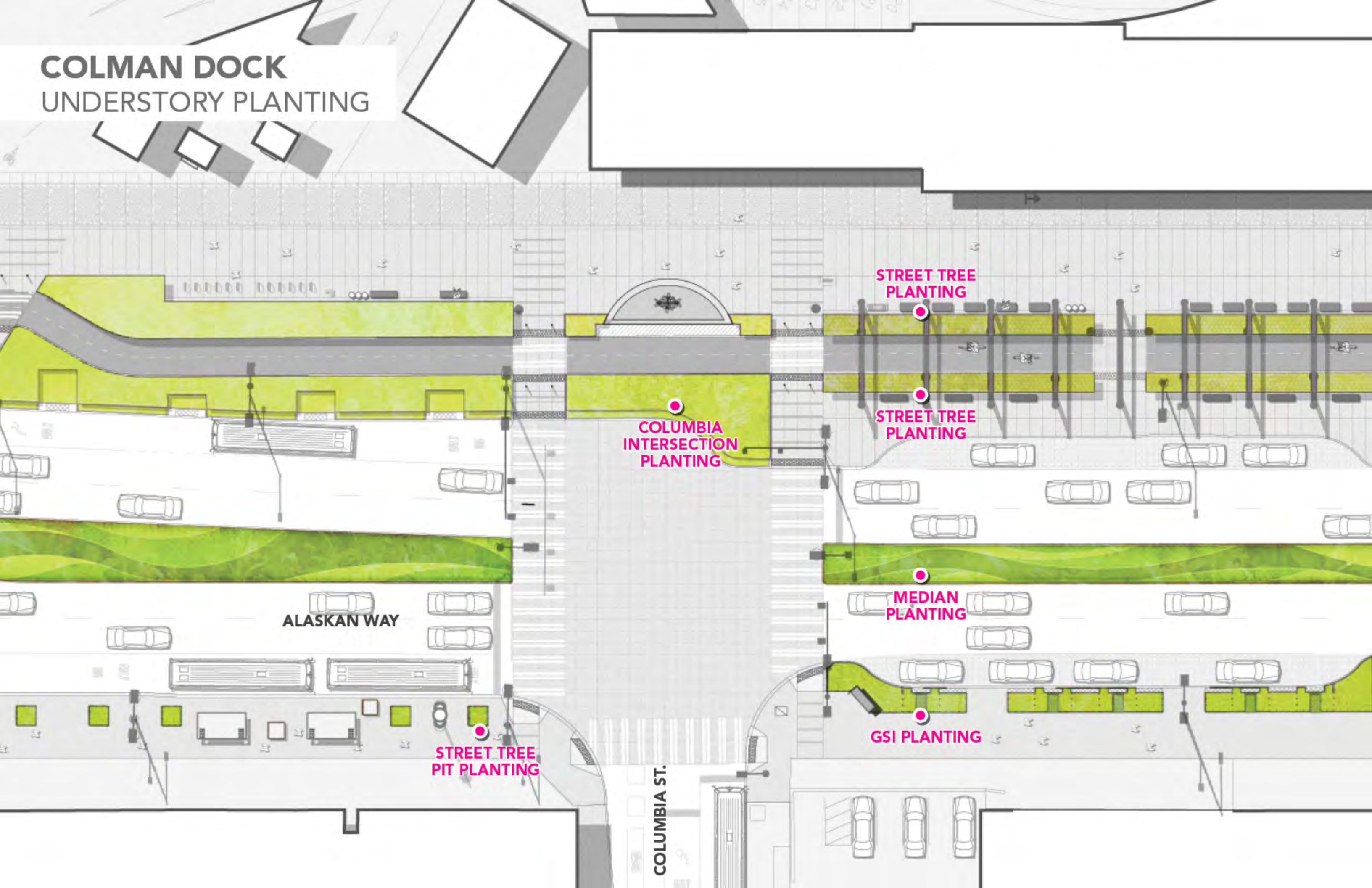


ZELKOVA SERRATA 'GREEN VASE'
GREEN VASE ZELKOVA

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'



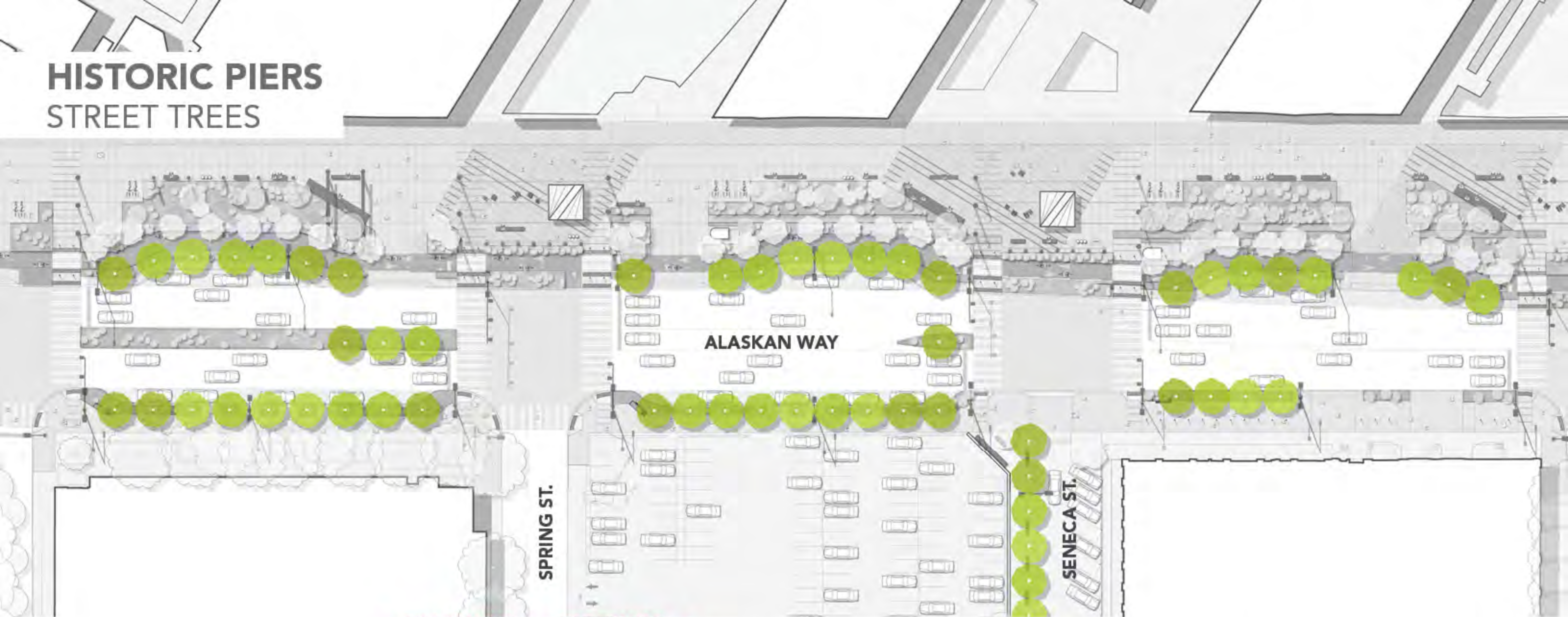
Carex elata 'Aurea'



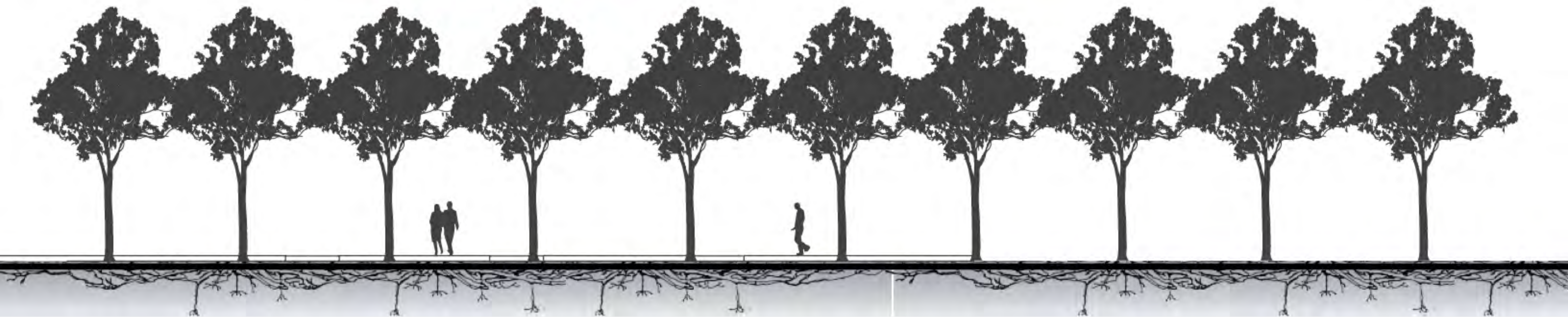
Mahonia aquifolium

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



HISTORIC PIERS

UNDERSTORY PLANTING

SPRING



Brodiaea 'Queen Fabiola'



Camassia leichtlinii 'Blue Danube'



Lupinus polyphyllus



Erthronium revolutum



Aruncus dioicus



Choisya x dewitteana 'White Dazzler'



Smilacina racemosa



Waldsteinia ternata

SUMMER



Adiantum aleuticum



Maianthemum dilatatum



Darmara peltata



Dryopteris erythrosora 'Brilliance'



Potentilla fruticosa 'Tangerine'



Fuchsia magellanica 'Riccartonia'



Achillea millefolium 'Lilac Beauty'

FALL



Molinia caerulea ssp
Arundinacea 'Skracer'



Choisya x dewitteana 'White Dazzler'



Aster-macrophyllus 'Twilight'



Aster ageratoides 'Starshine'



Hydrangea serrata 'Tuff Stuff'

WINTER



Rhamnus californica



Gaultheria shallon



Sarcococca hookeriana var.
digyna 'Purple Stem'



Hakonechloa macra



Helleborus x HGC Pink Frost



Camellia sasanqua

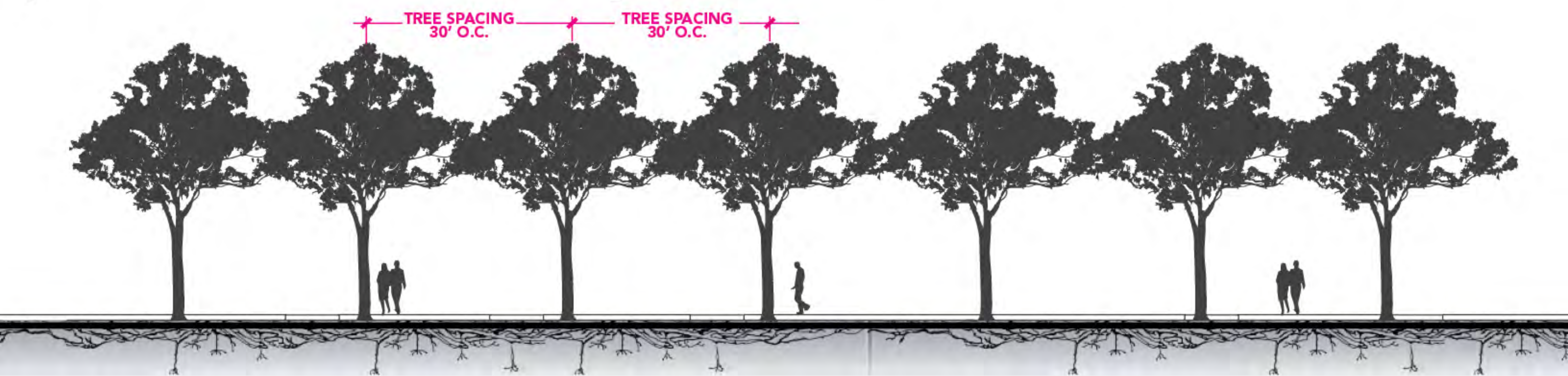
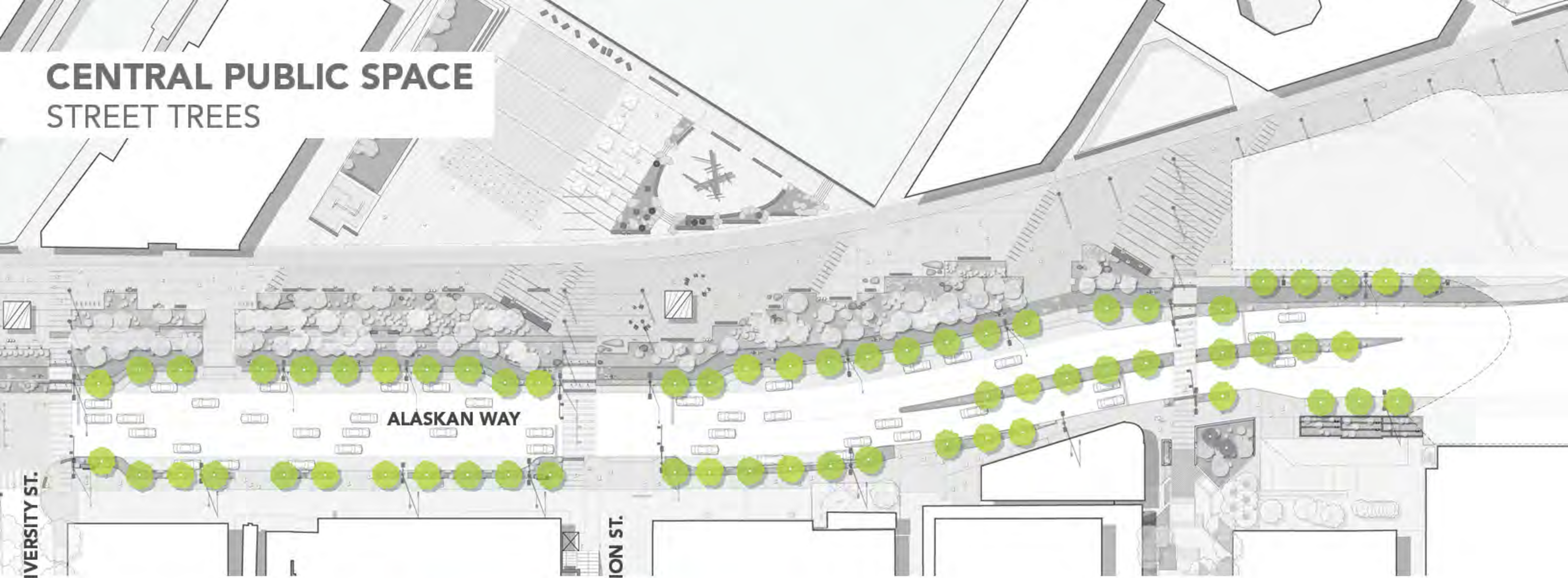


Cornus sericea 'Isanti'



Cornus sericea 'Kelsey'

CENTRAL PUBLIC SPACE
STREET TREES



CENTRAL PUBLIC SPACE

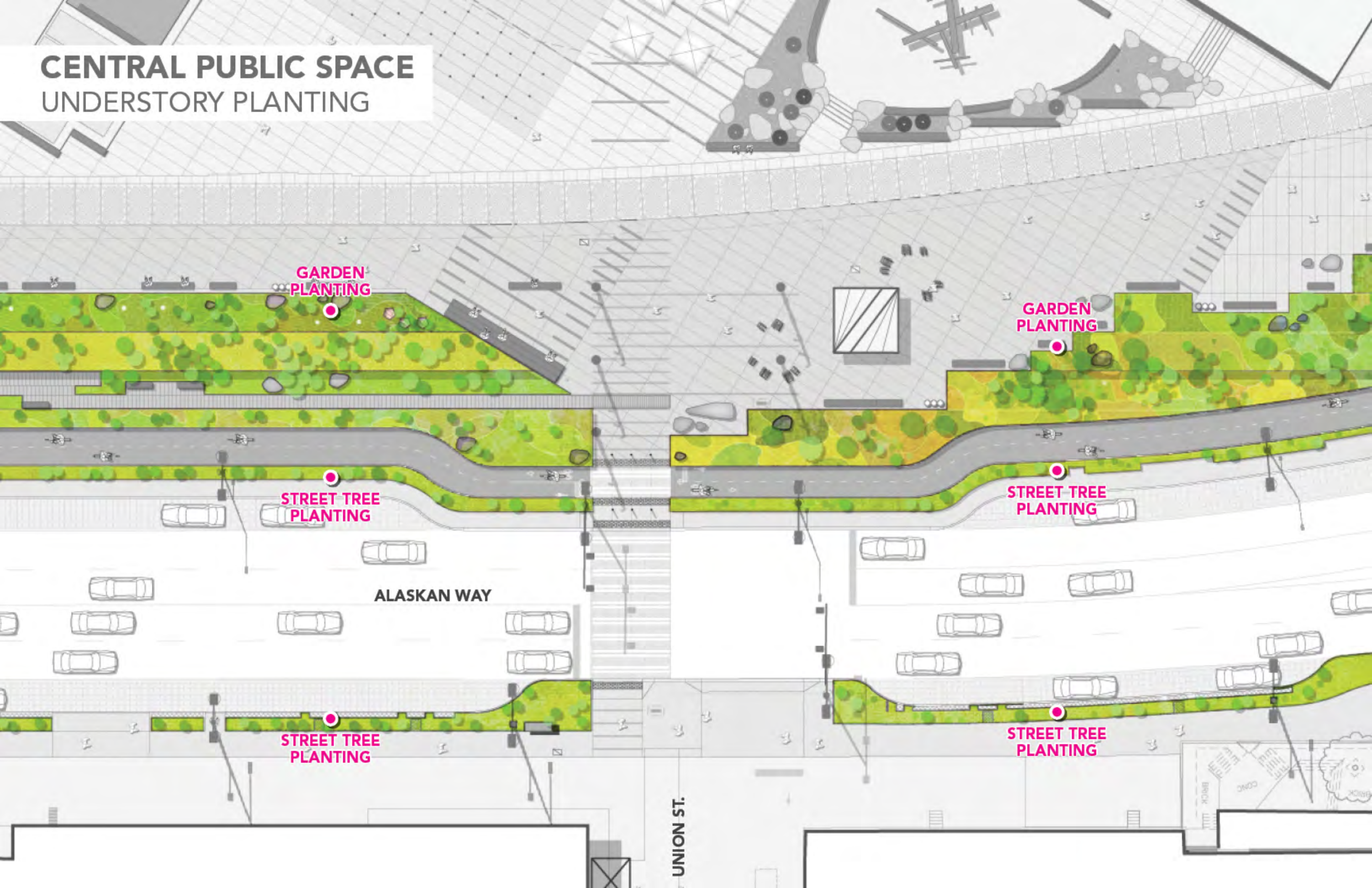
STREET TREES

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



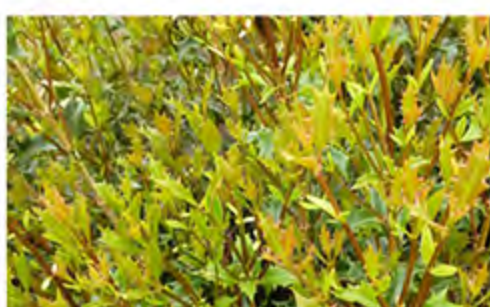
Pinus thunbergii



Carex comans 'Bronze'



Helleborus 'Rio Carnival'



Osmanthus heterophyllus 'Gulf tide'



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'

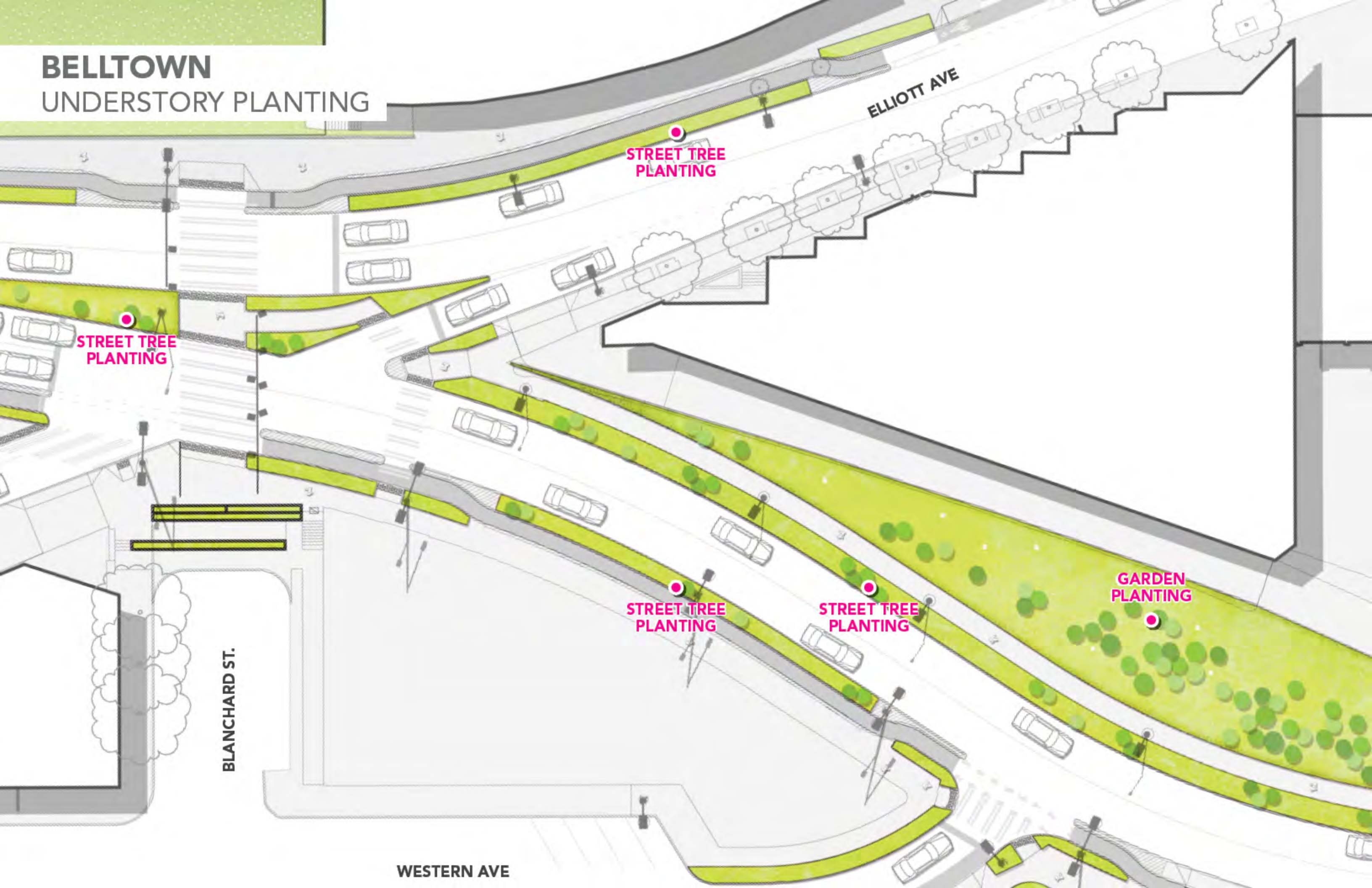


HYBRID OAK
INSTALLATION SIZE: 4-5" CAL
20 YR HEIGHT: 25-30'



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

BELLTOWN
UNDERSTORY PLANTING



ELLIOTT AVE

STREET TREE
PLANTING

STREET TREE
PLANTING

GARDEN
PLANTING

STREET TREE
PLANTING

STREET TREE
PLANTING

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

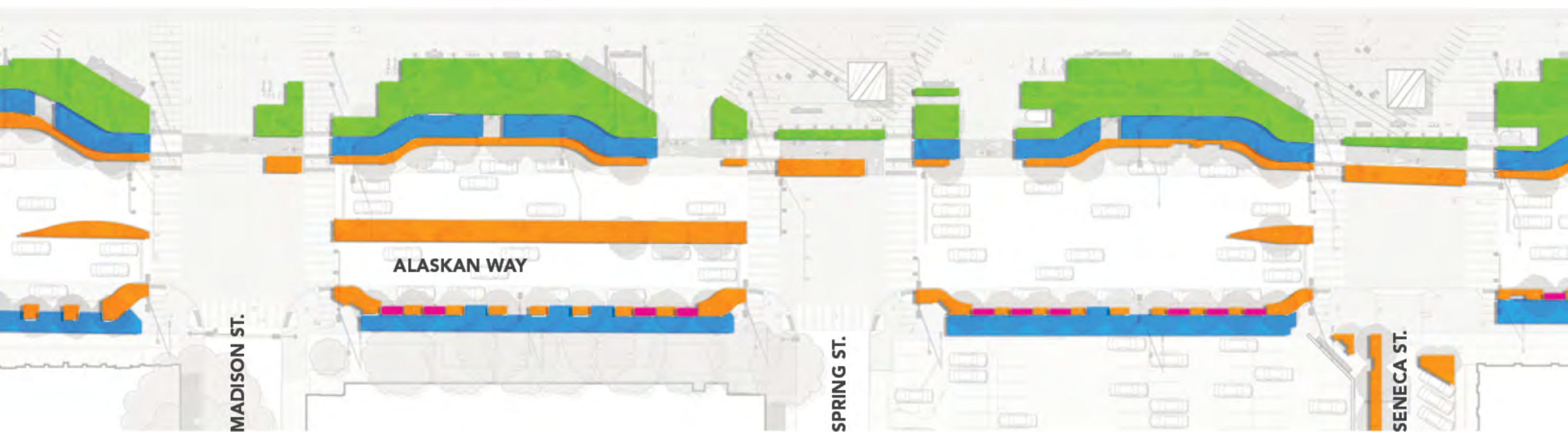


LEGEND

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

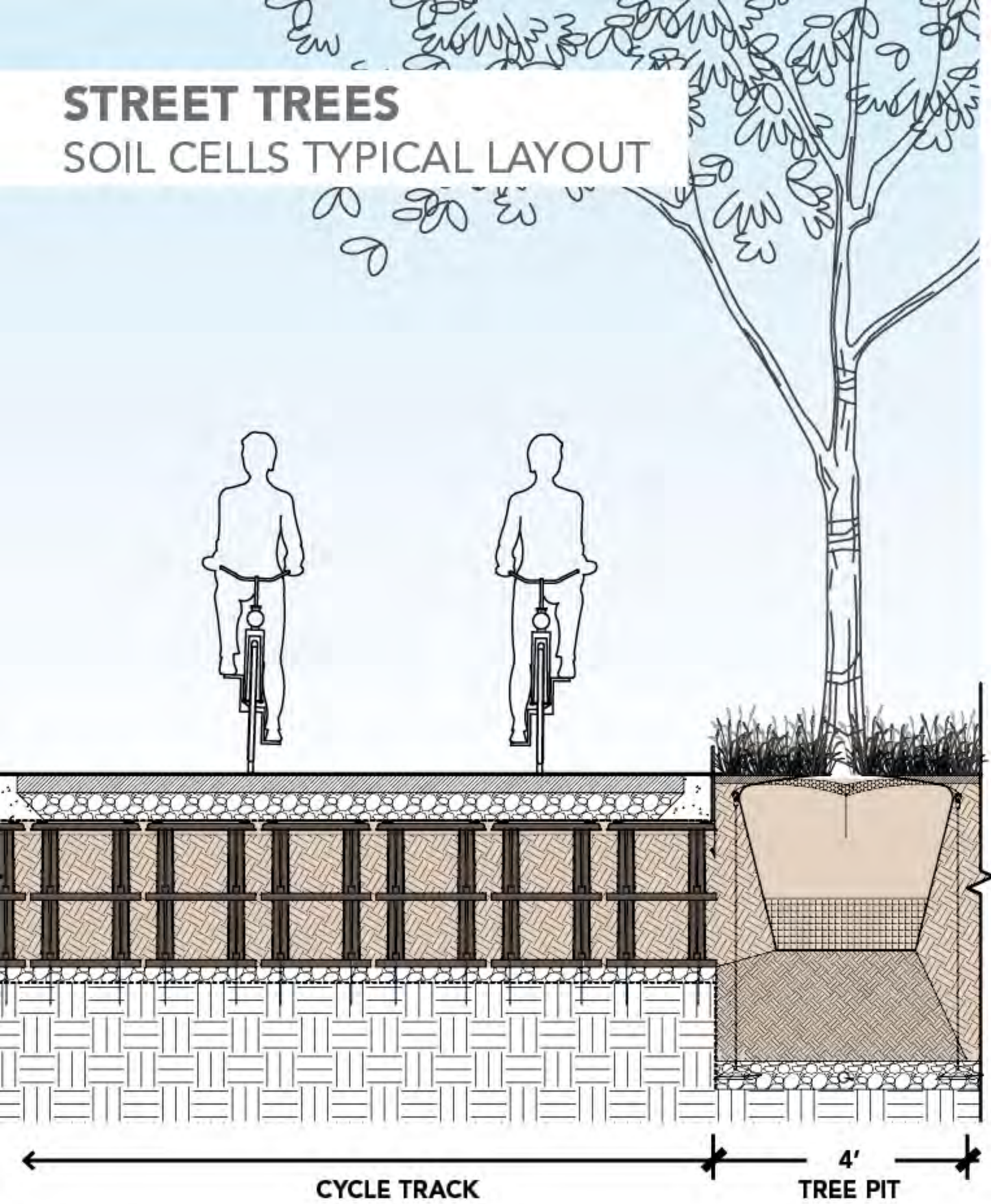
PLANTING

GROWING MEDIA

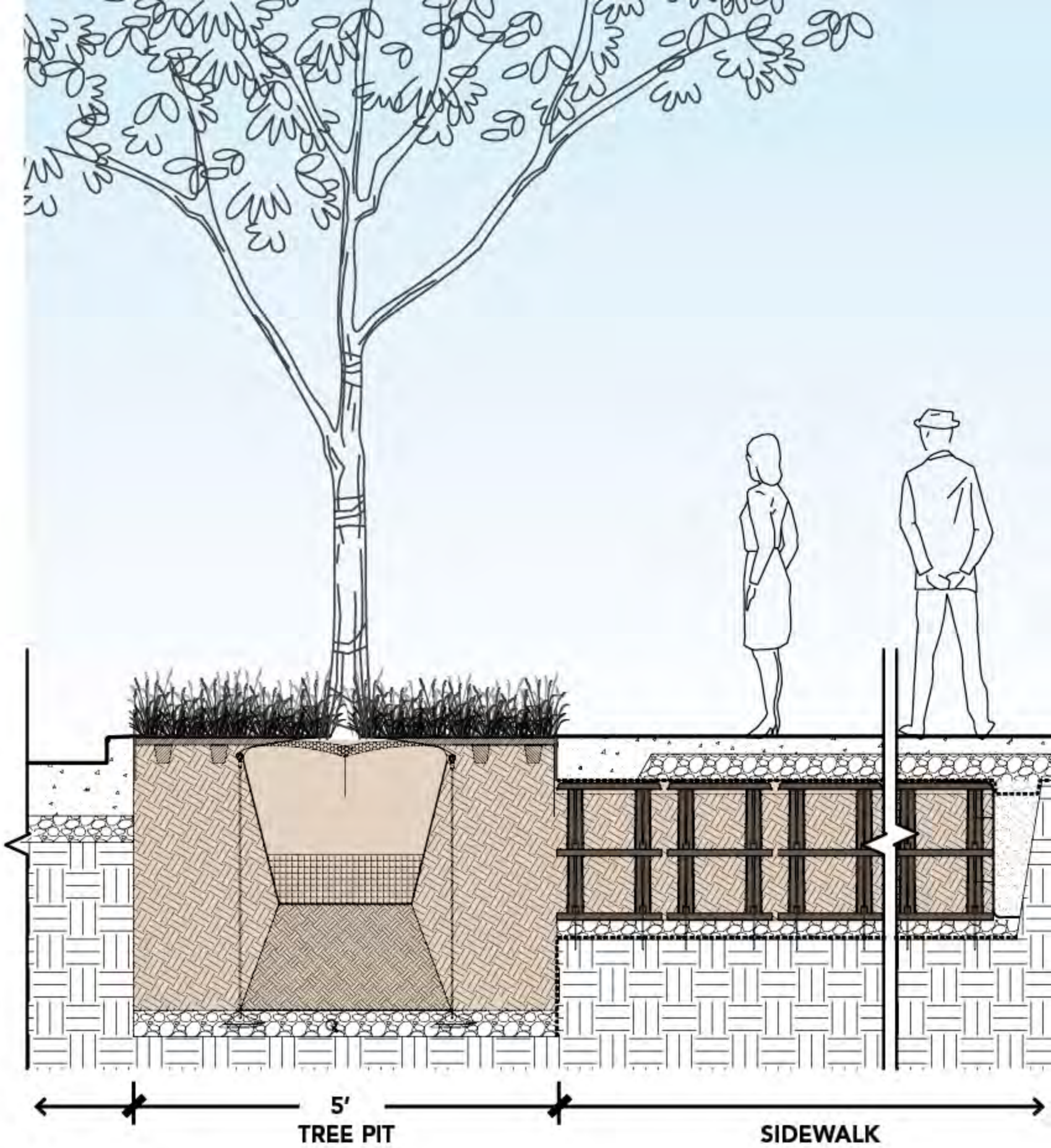


- LEGEND**
- SDOT STANDARD PLANTING SOIL
 - SDOT STANDARD BIORETENTION SOIL
 - GARDEN TOP SOIL
 - SOIL CELLS

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



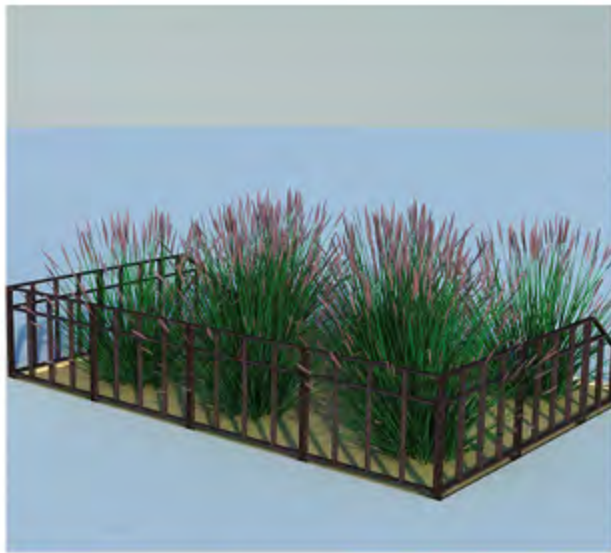
DRINKING FOUNTAIN



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



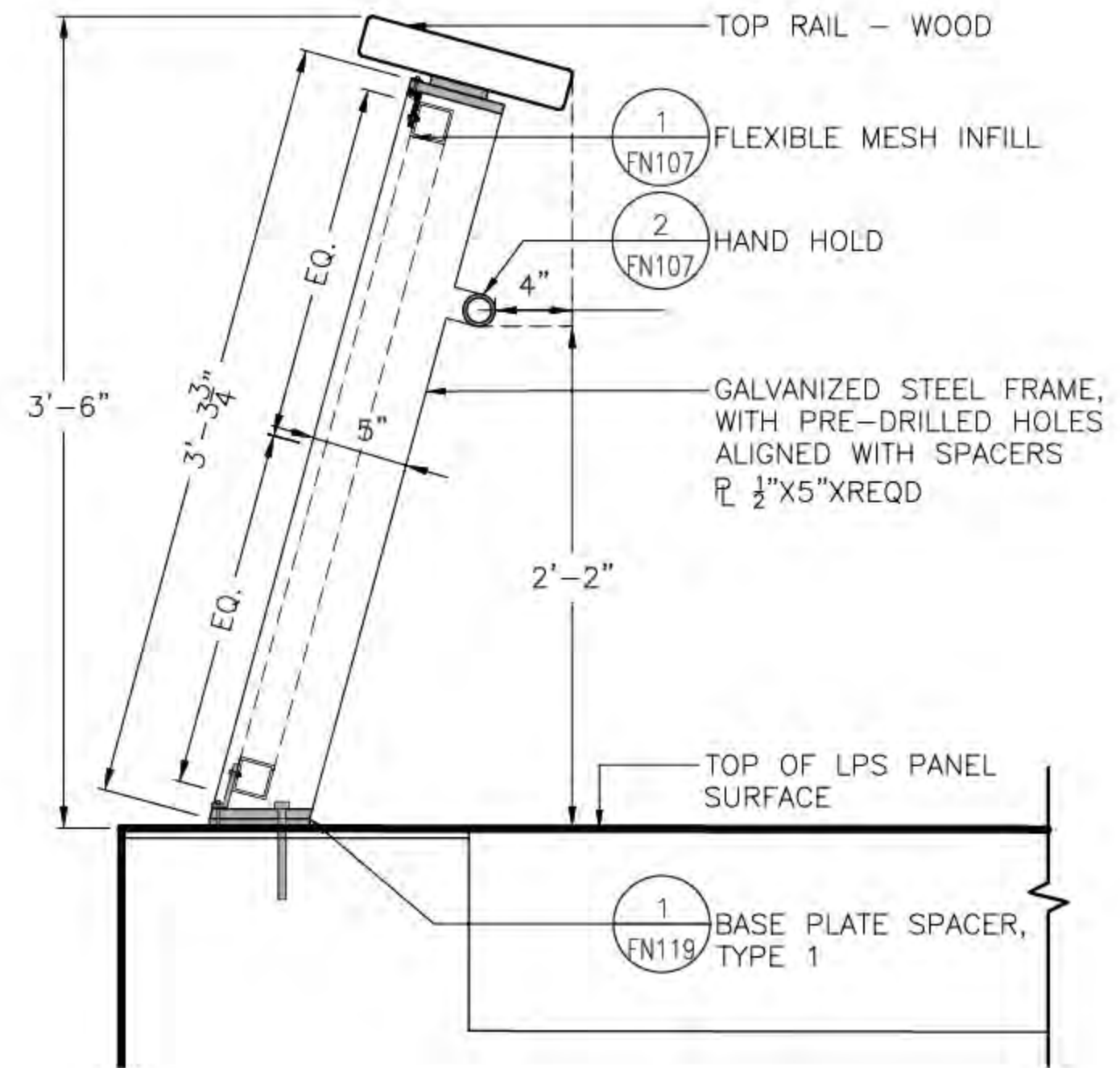
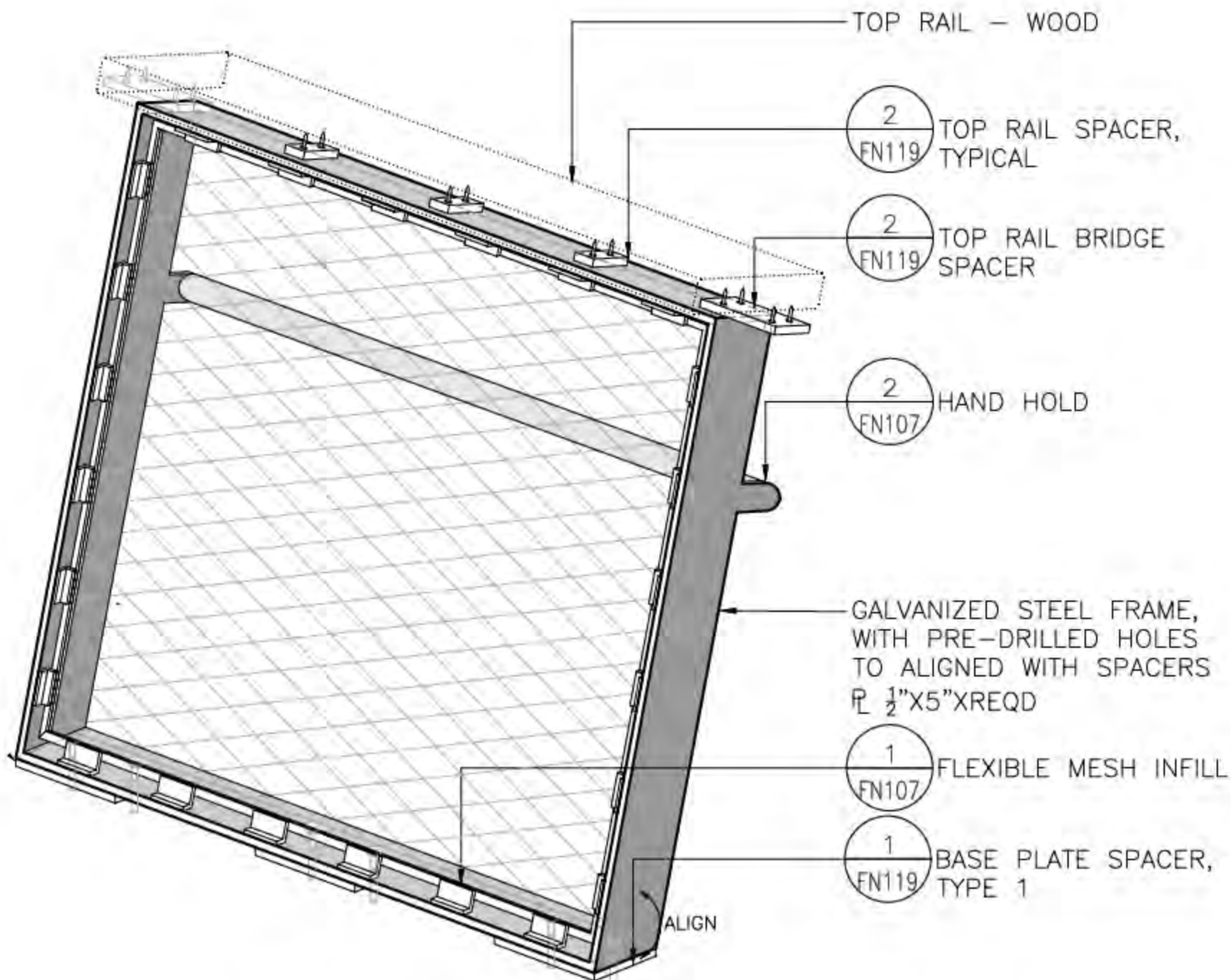
WATERFRONT RAILING

PROPOSED



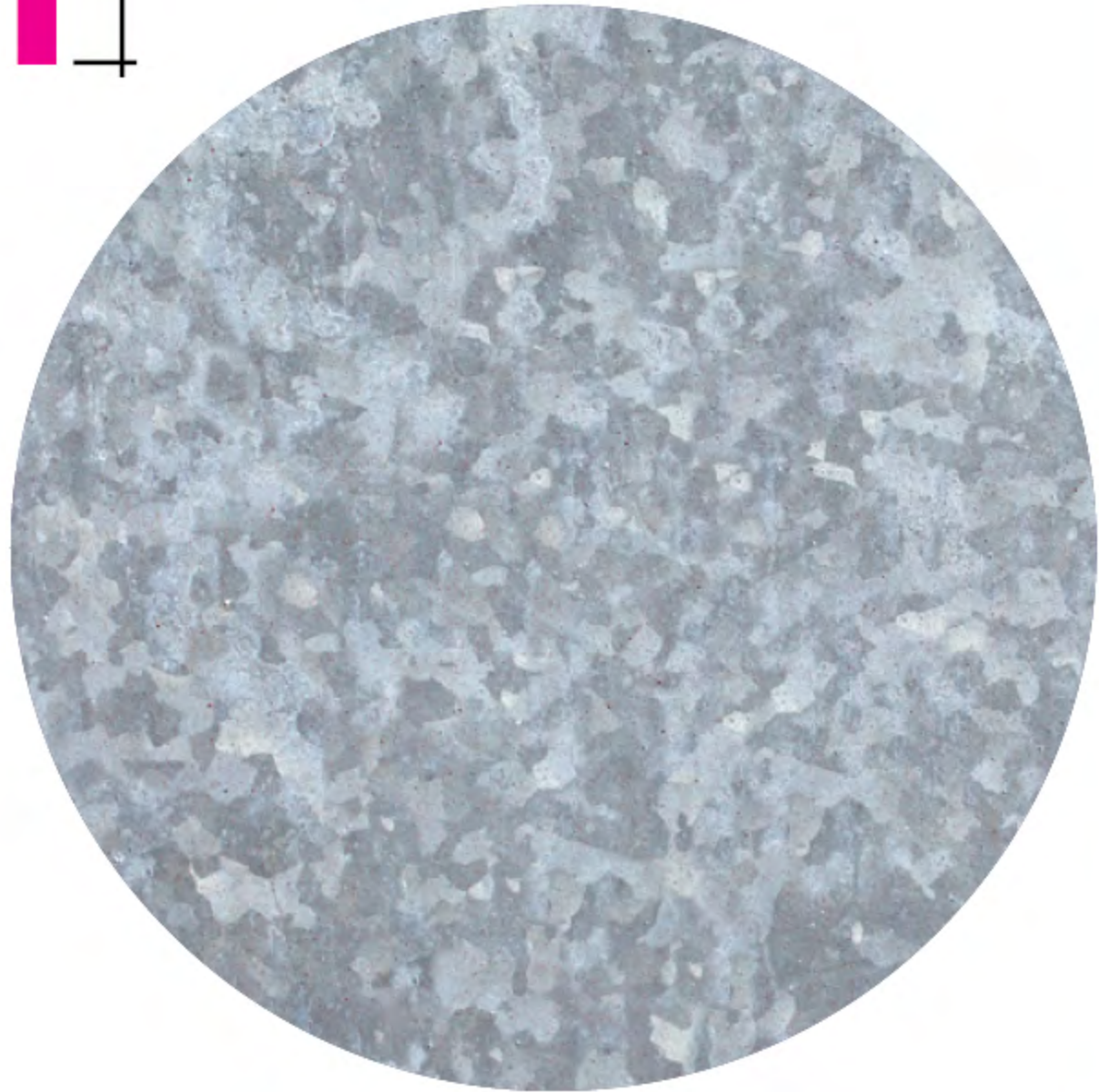
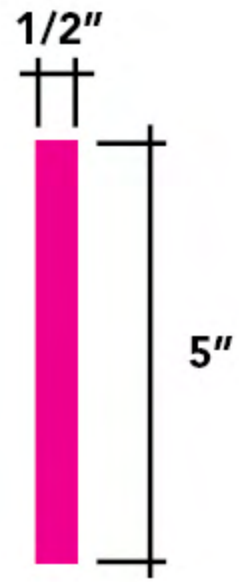
WATERFRONT RAILING

PROPOSED



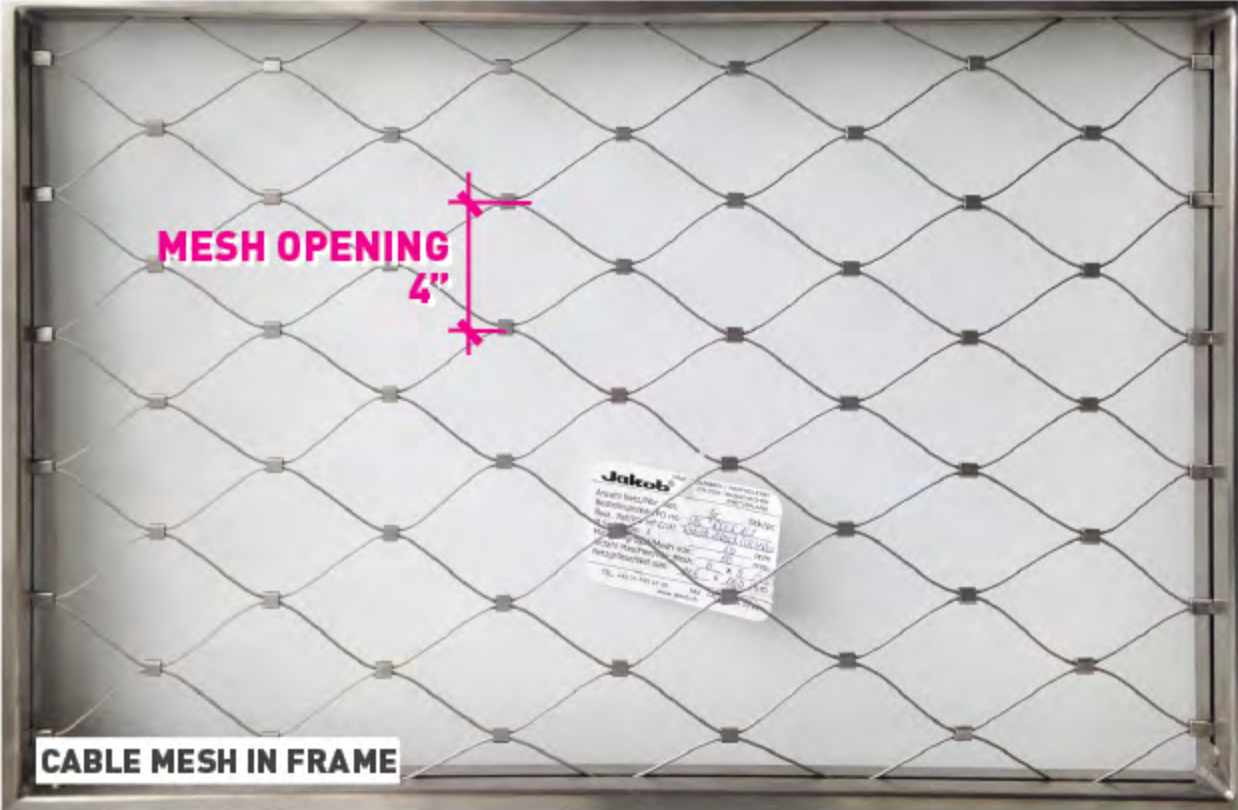
WATERFRONT RAILING

STEEL FRAME

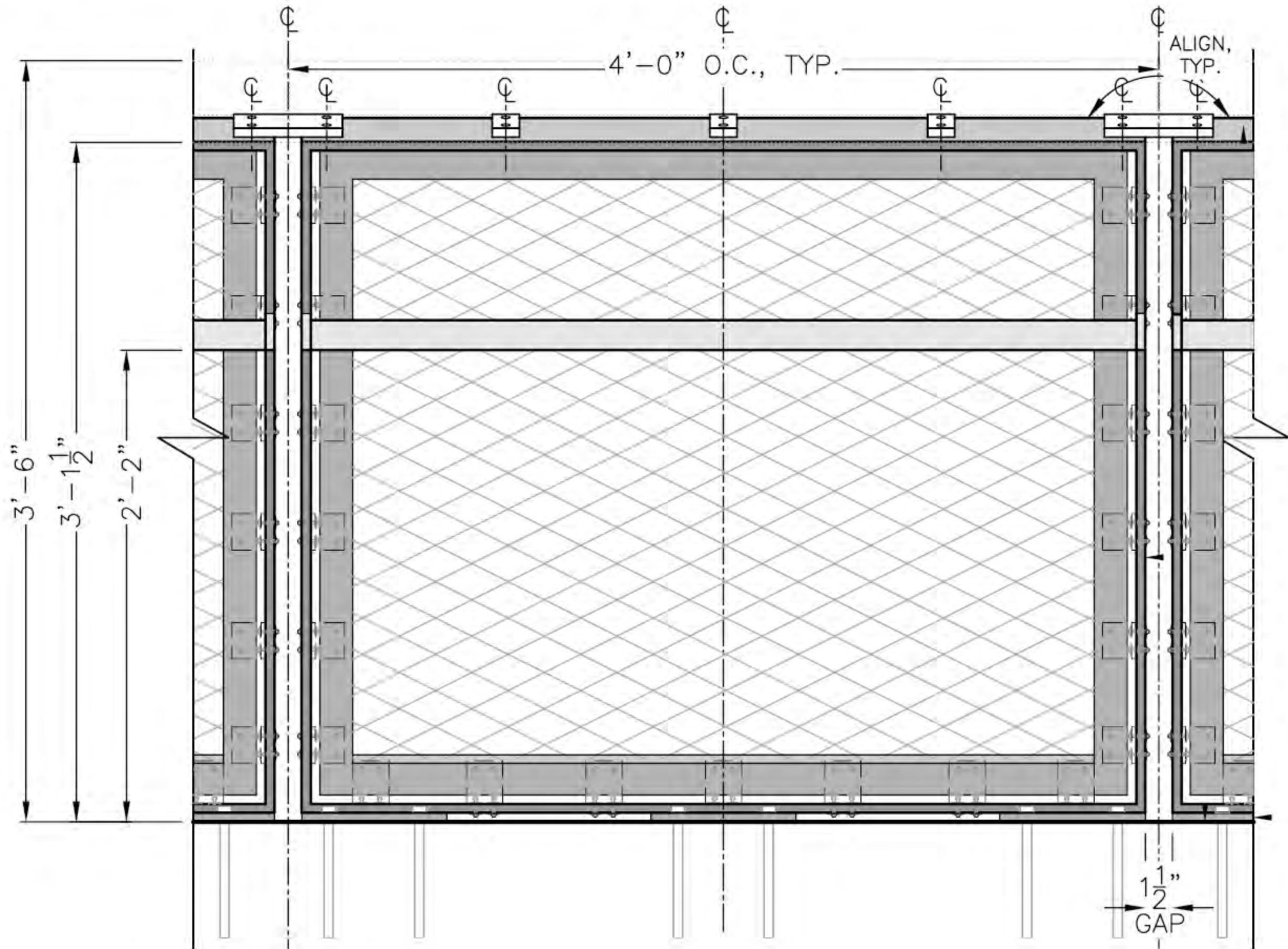


WATERFRONT RAILING

MESH INFILL

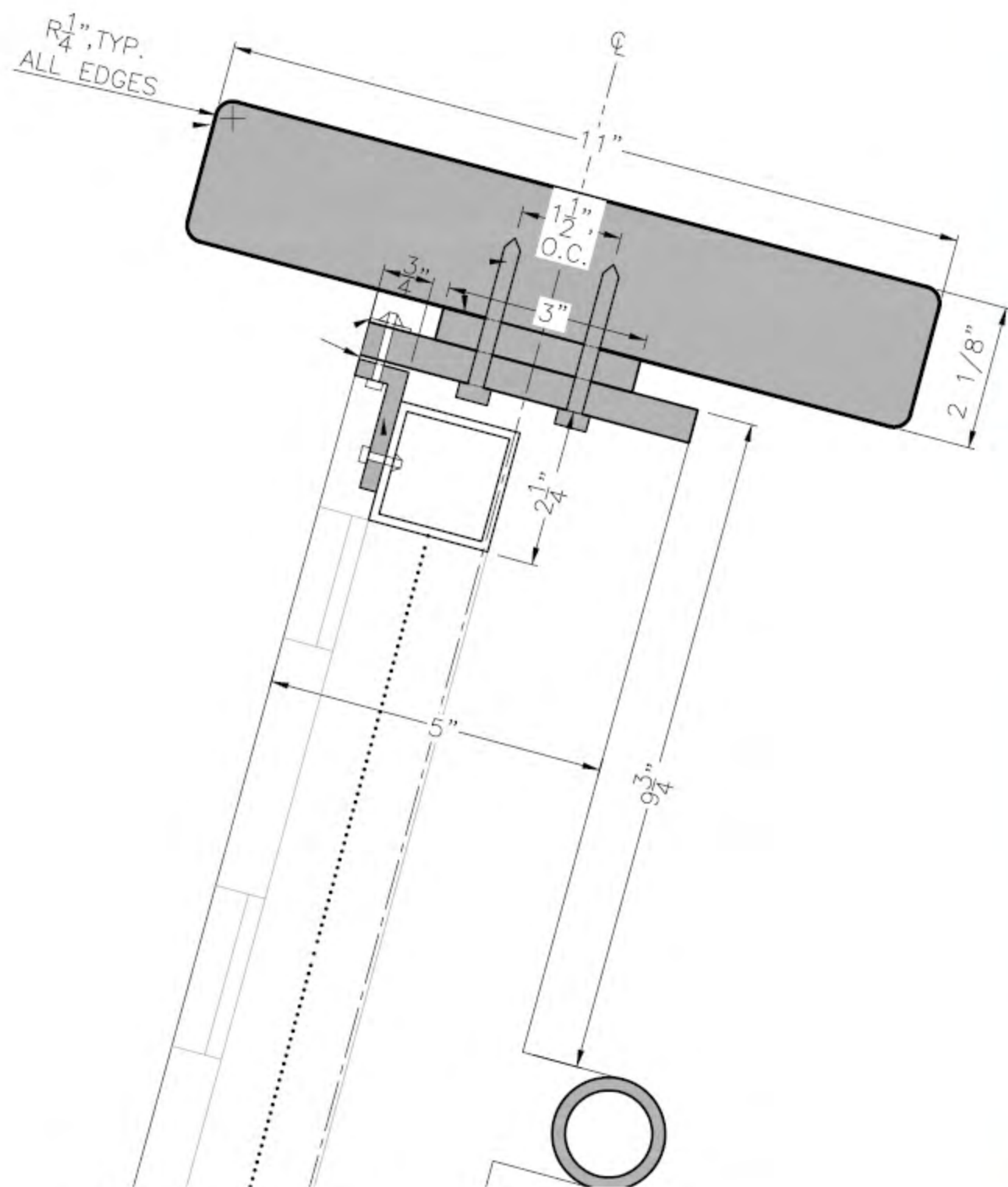


WATERFRONT RAILING
MESH INFILL

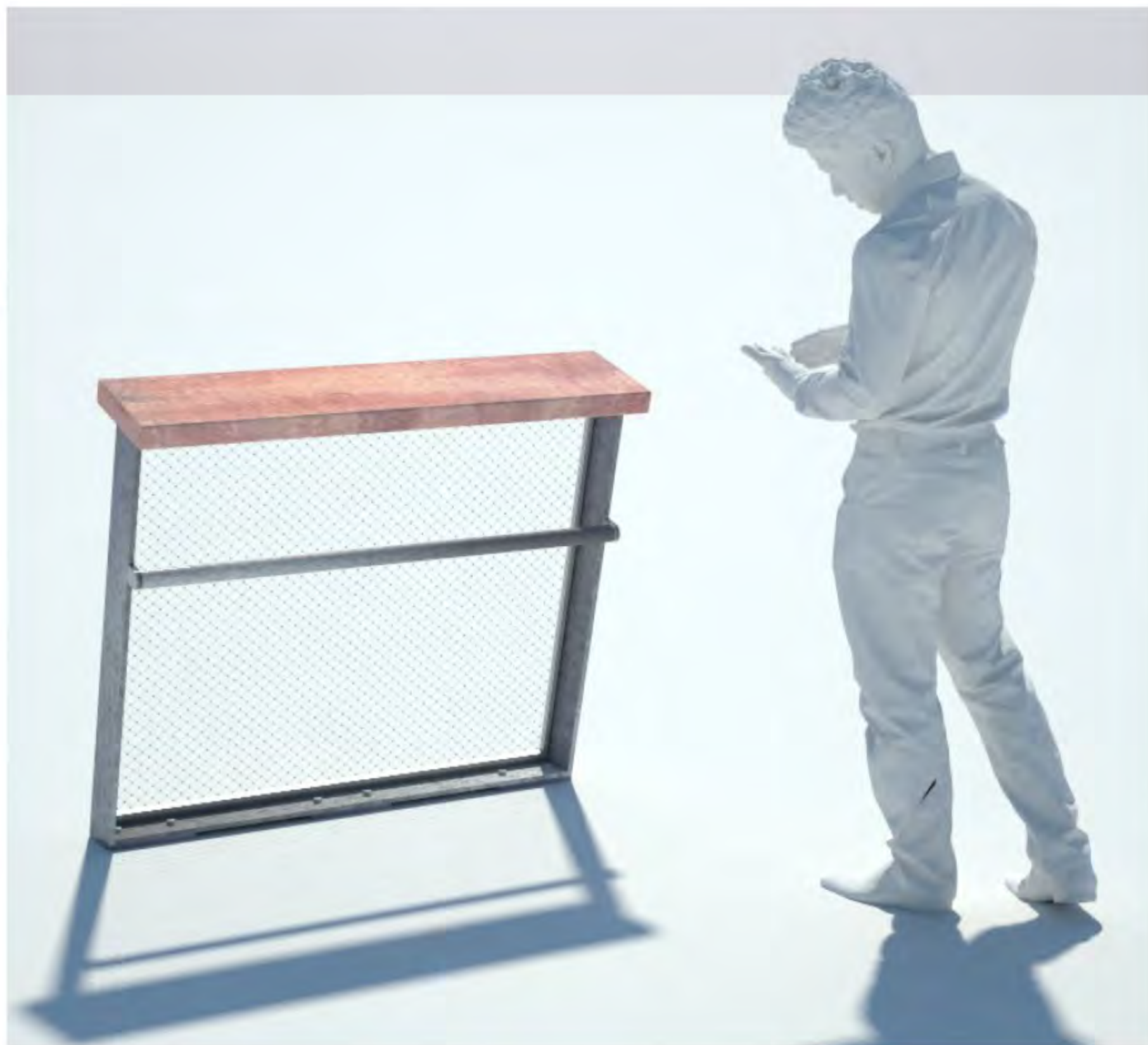


MESH INFILL ELEVATION

TOP RAIL



EKKI WOOD TOP RAIL SECTION



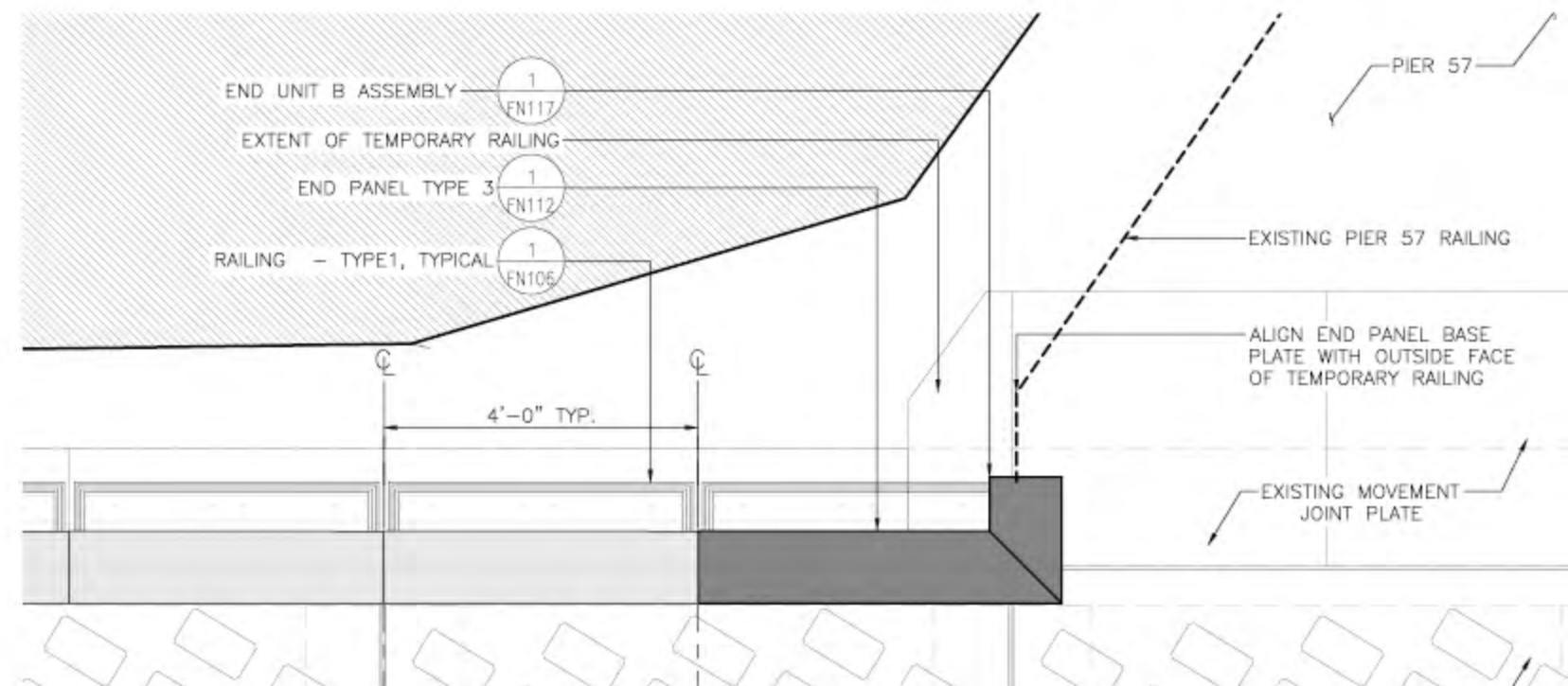
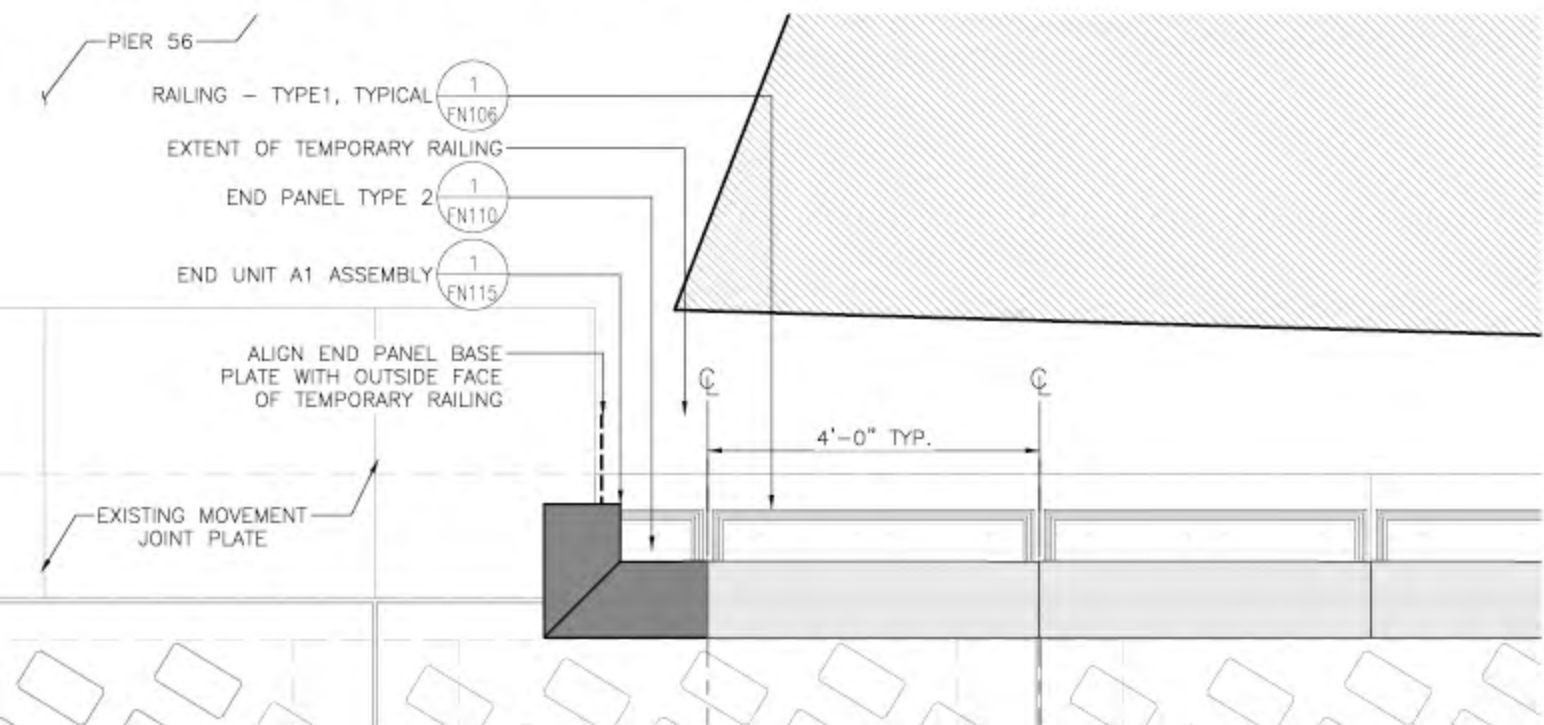
WATERFRONT RAILING

EKKI WOOD



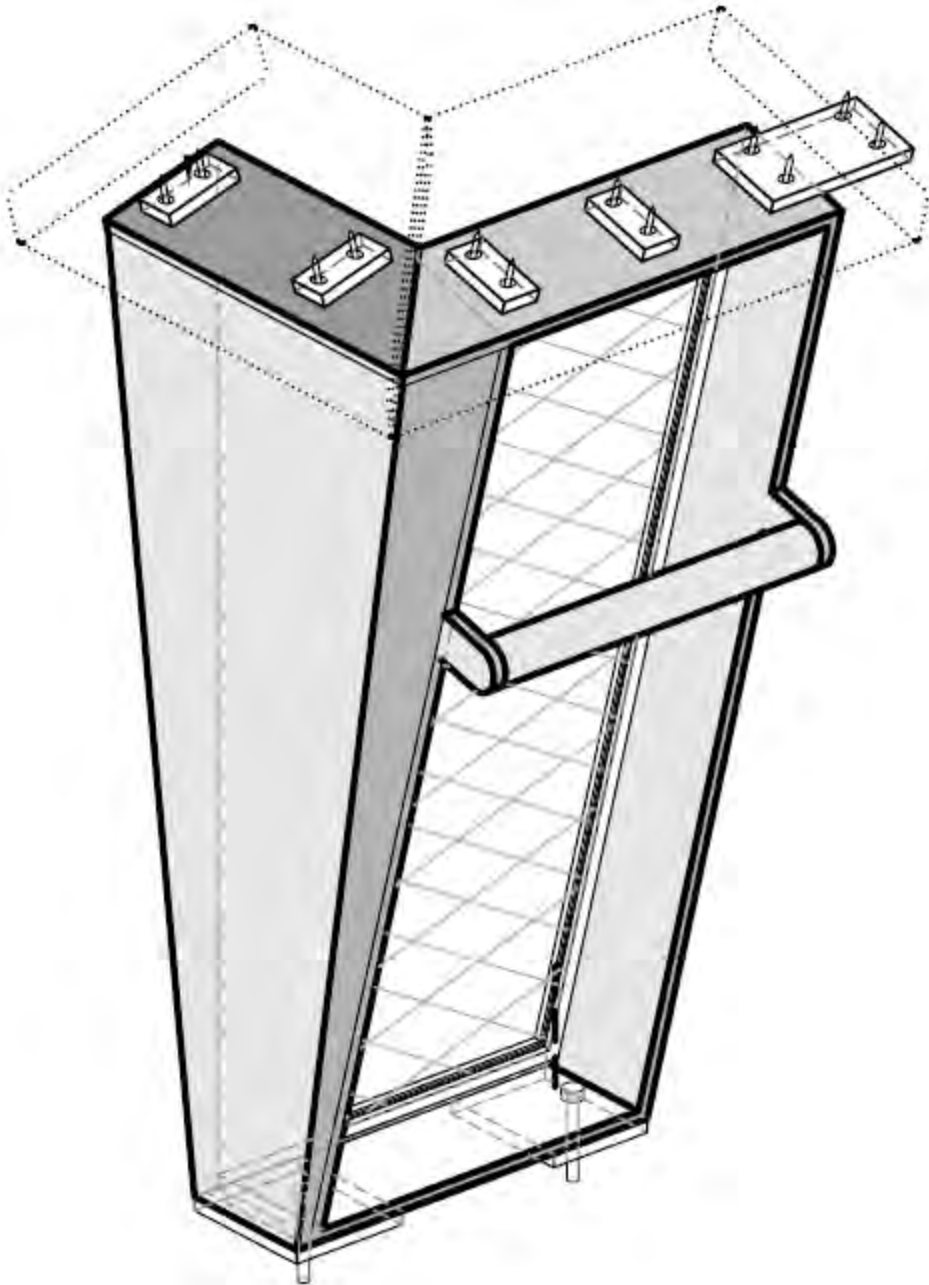
WATERFRONT RAILING

RAILING CONNECTIONS

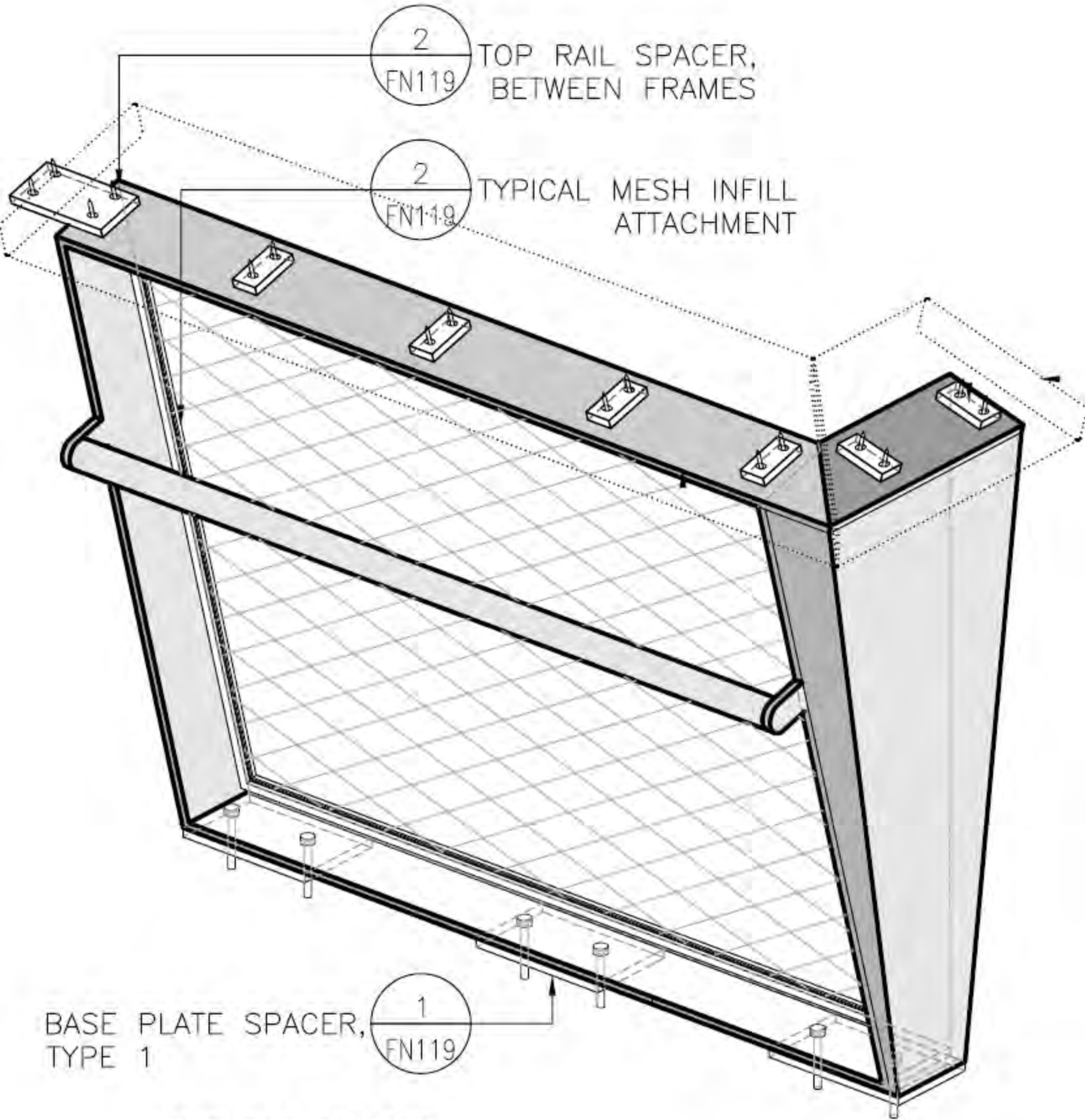


WATERFRONT RAILING

RAILING CONNECTIONS



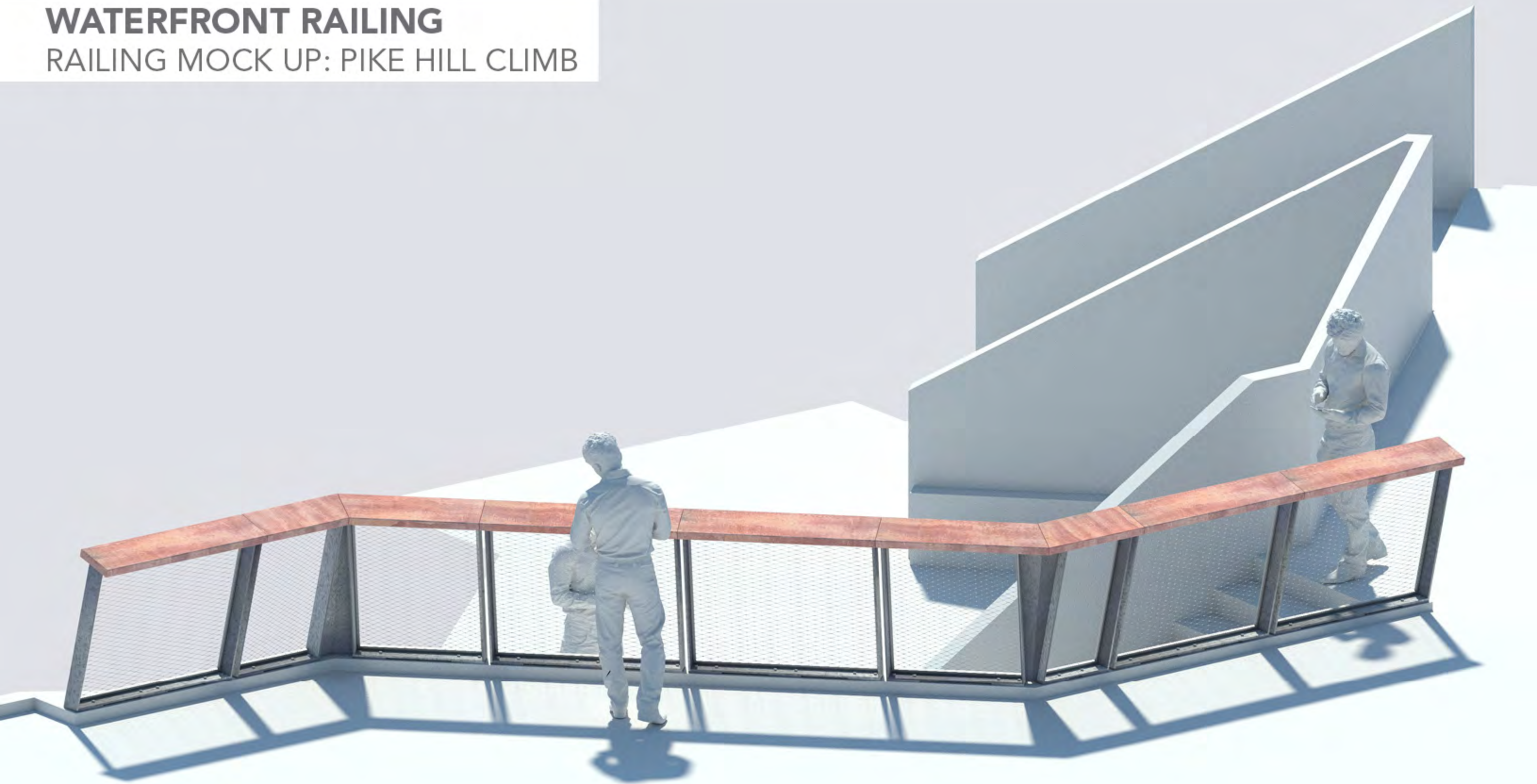
END RAIL SOUTH



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



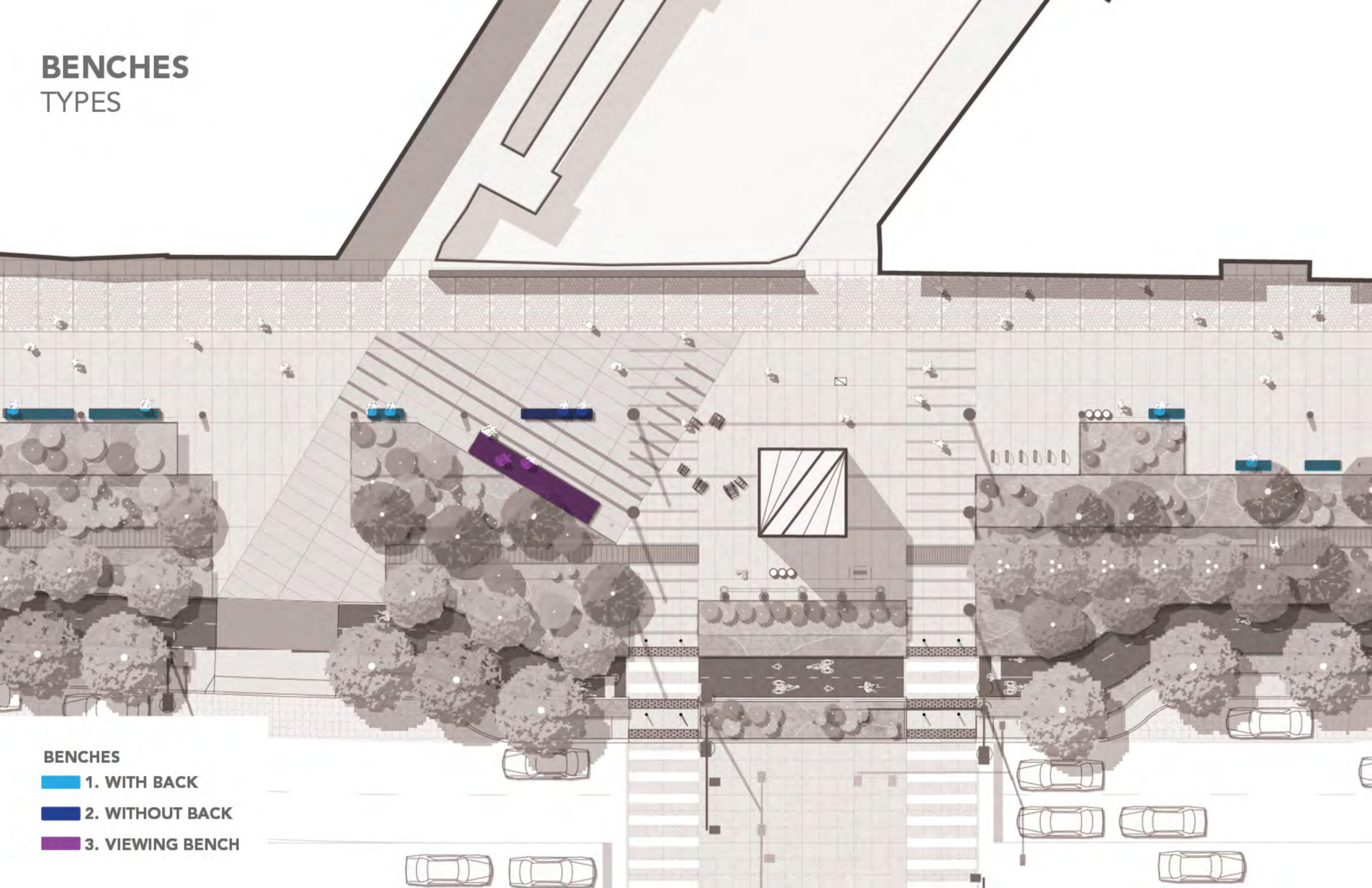
- WATERFRONT RAILING
- BENCHES
- STEEL EDGING
- BOARDWALK
- UTILITY BOLLARDS
- DRINKING FOUNTAINS

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

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

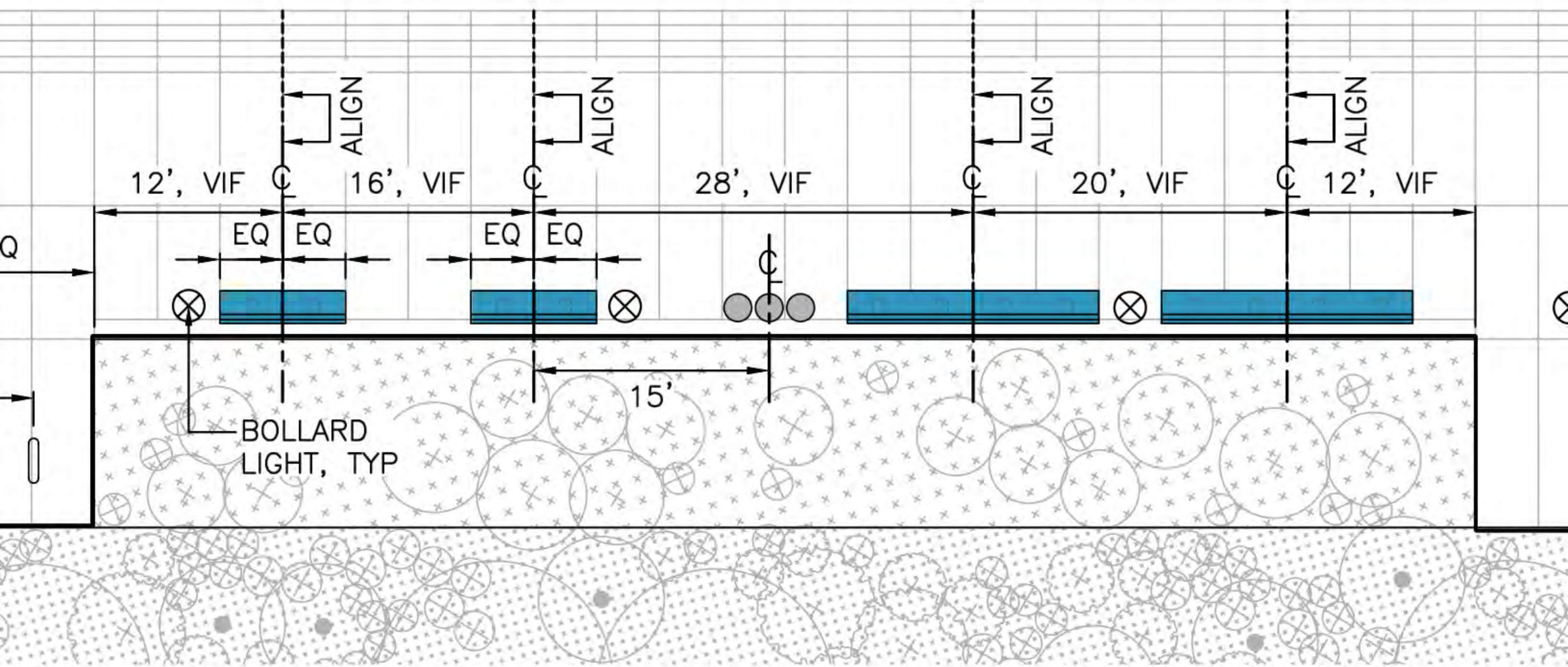
BENCHES

TYPES

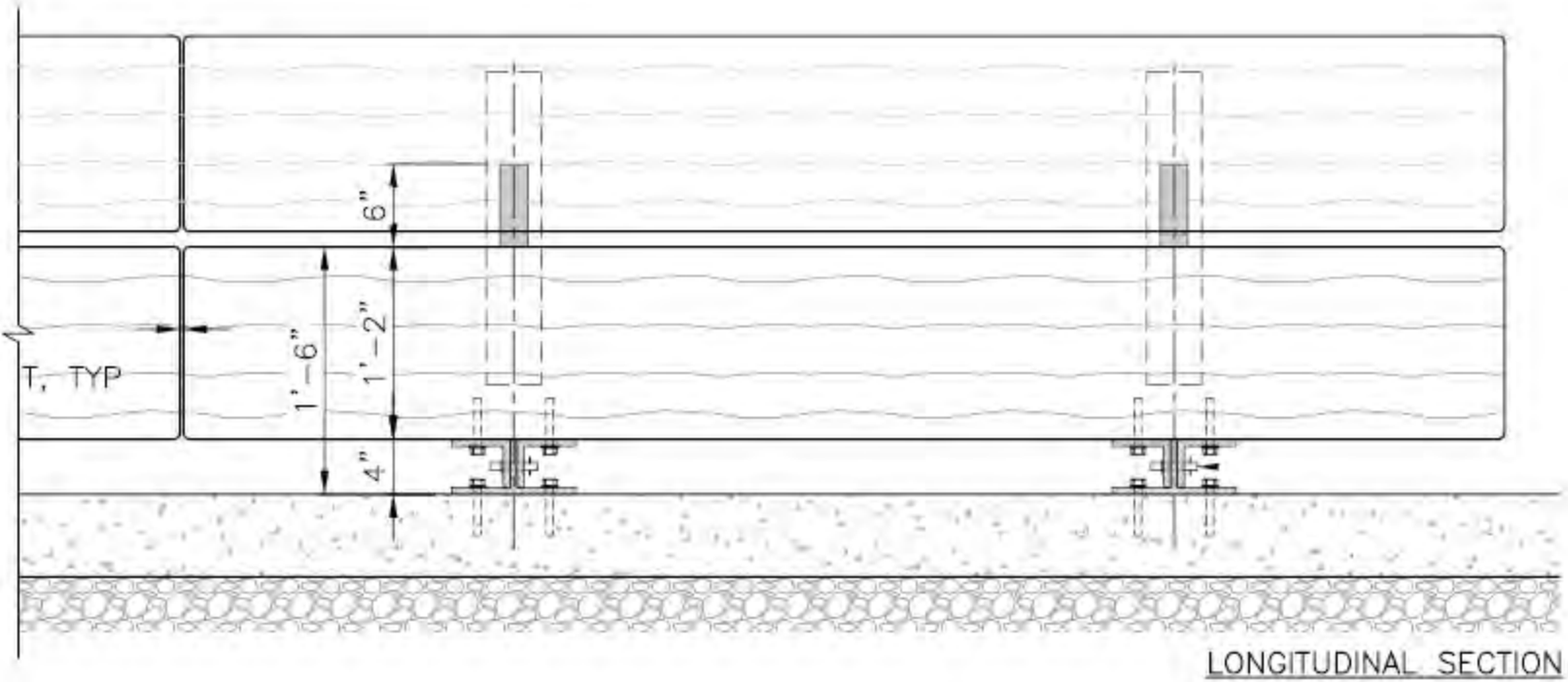
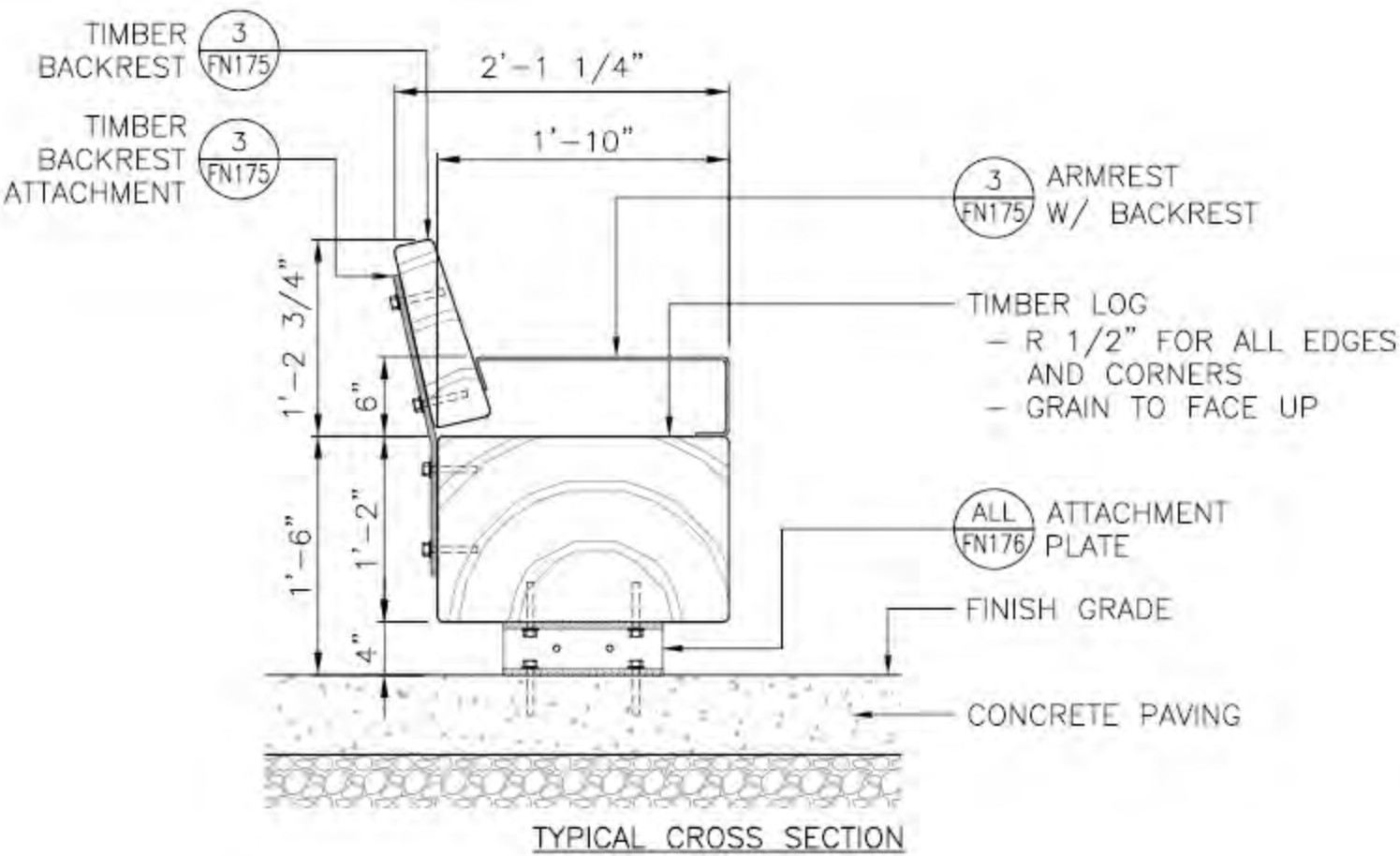


- BENCHES**
-  1. WITH BACK
 -  2. WITHOUT BACK
 -  3. VIEWING BENCH

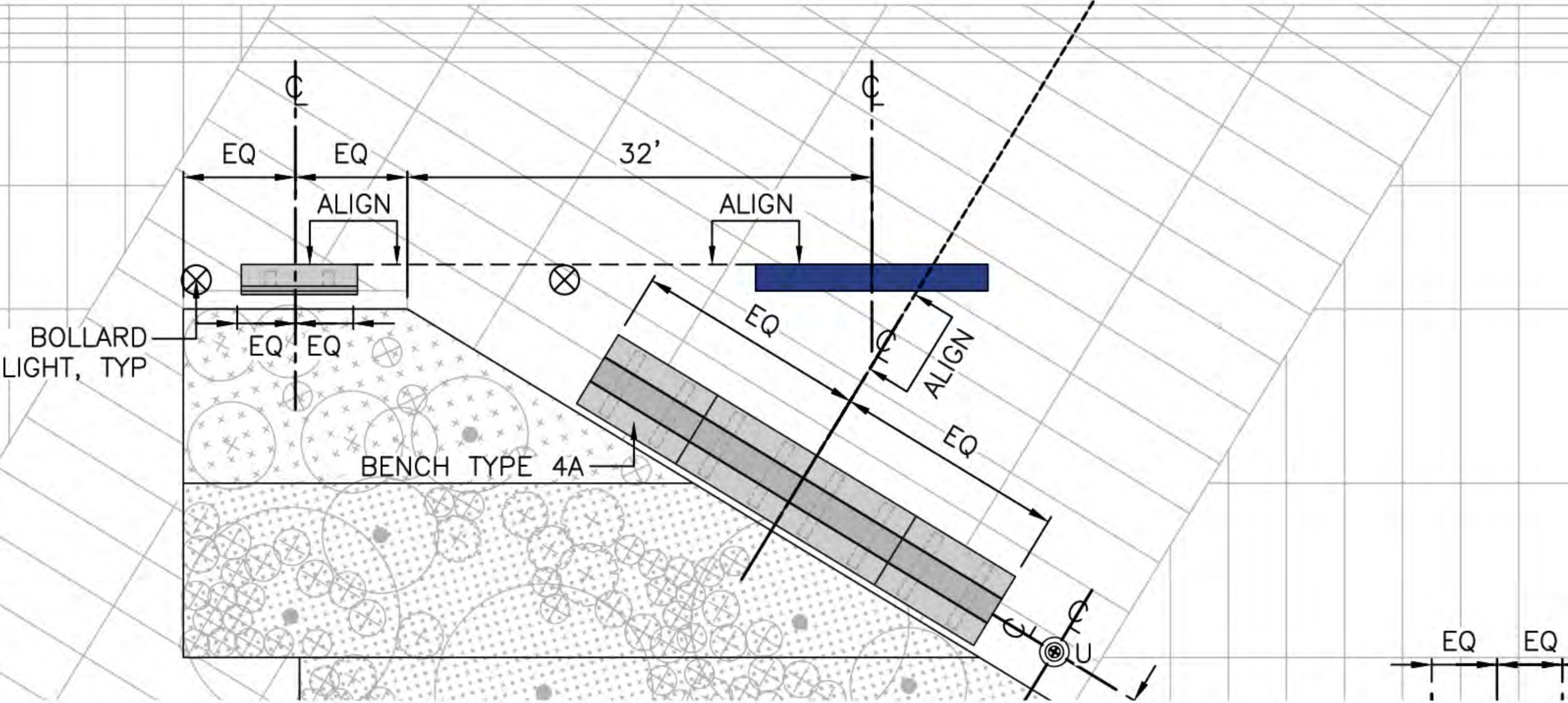
BENCHES
WITH BACK



BENCHES WITH BACK

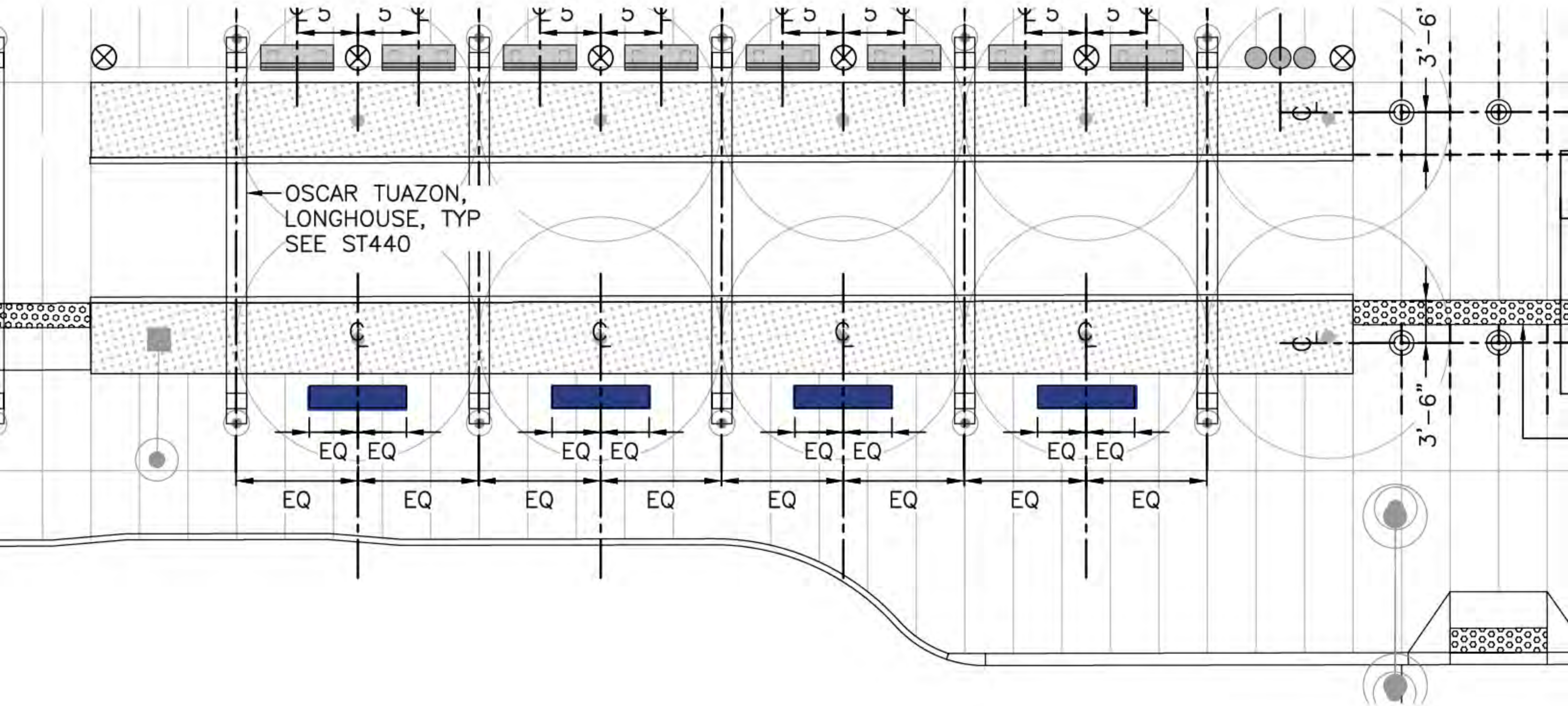


BENCHES
WITHOUT BACK: HISTORIC PIERS



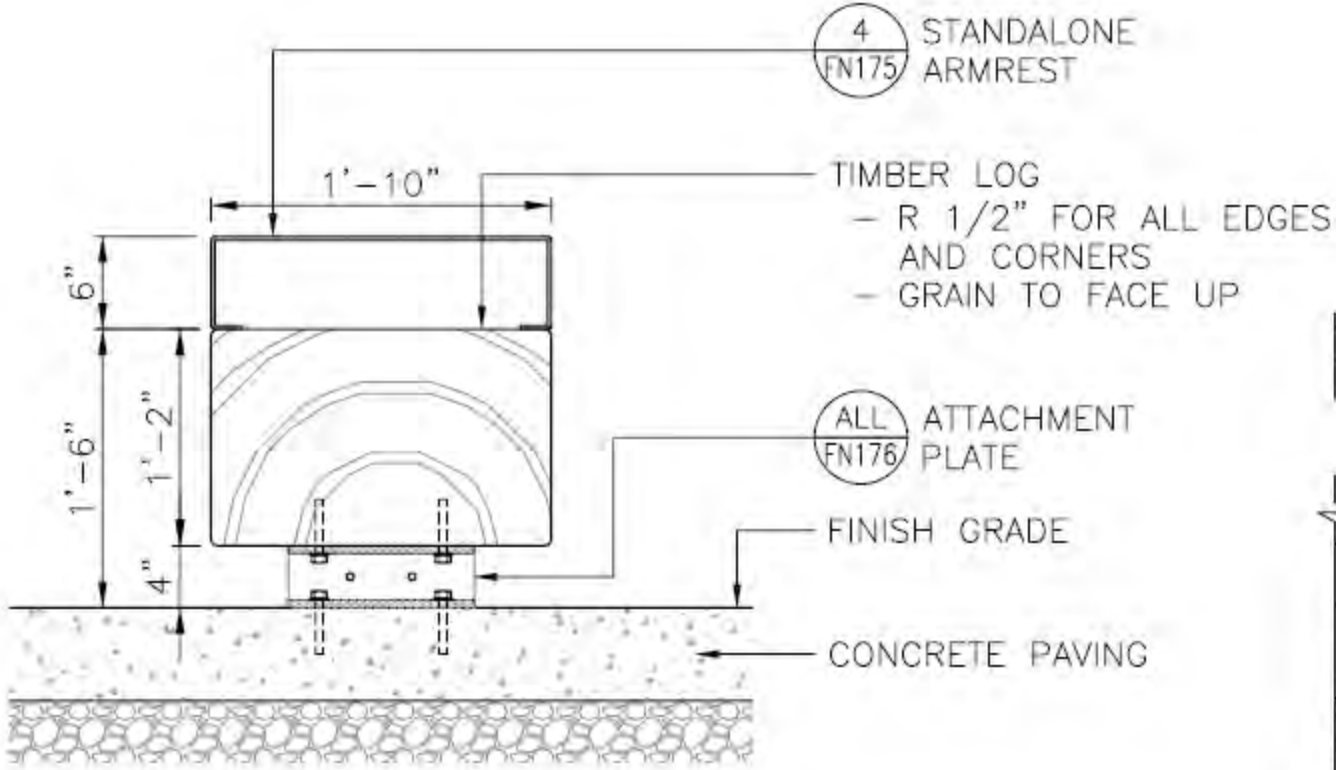
BENCHES

WITHOUT BACK: COLMAN DOCK

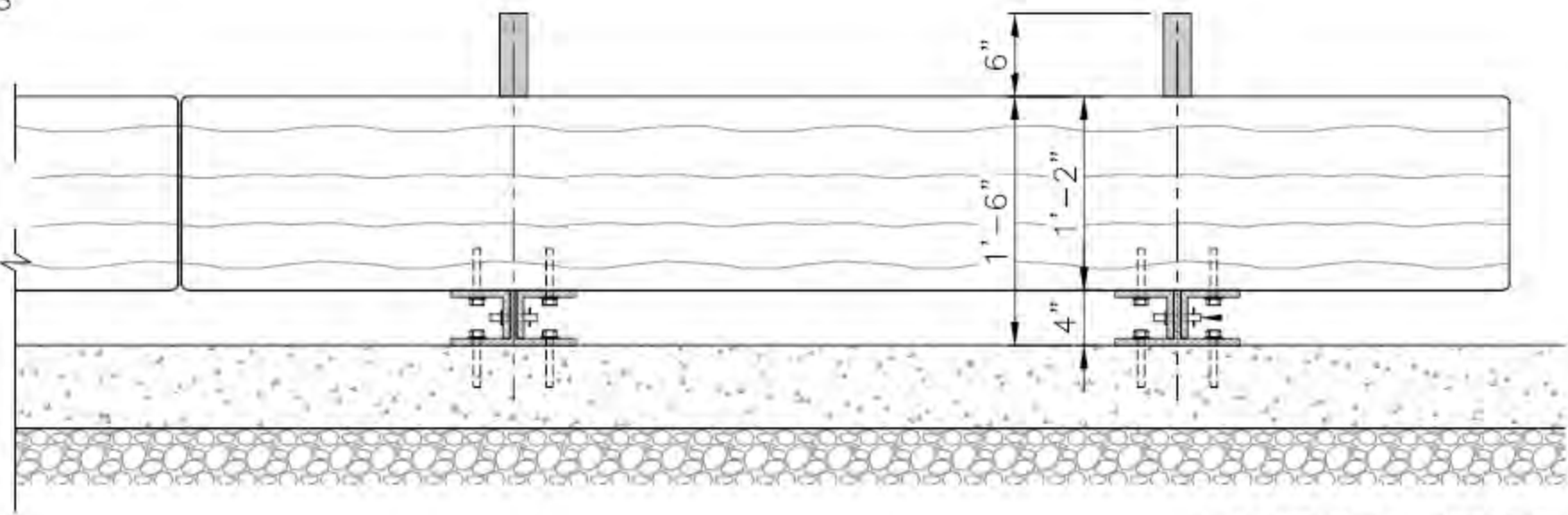


BENCHES

WITHOUT BACK

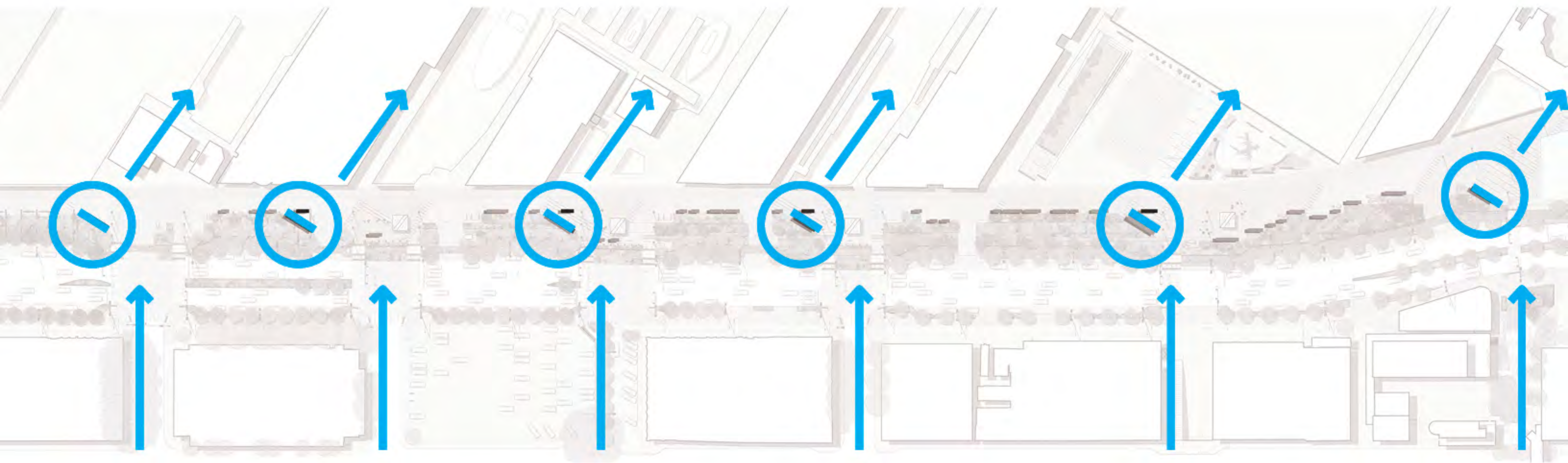


TYPICAL CROSS SECTION

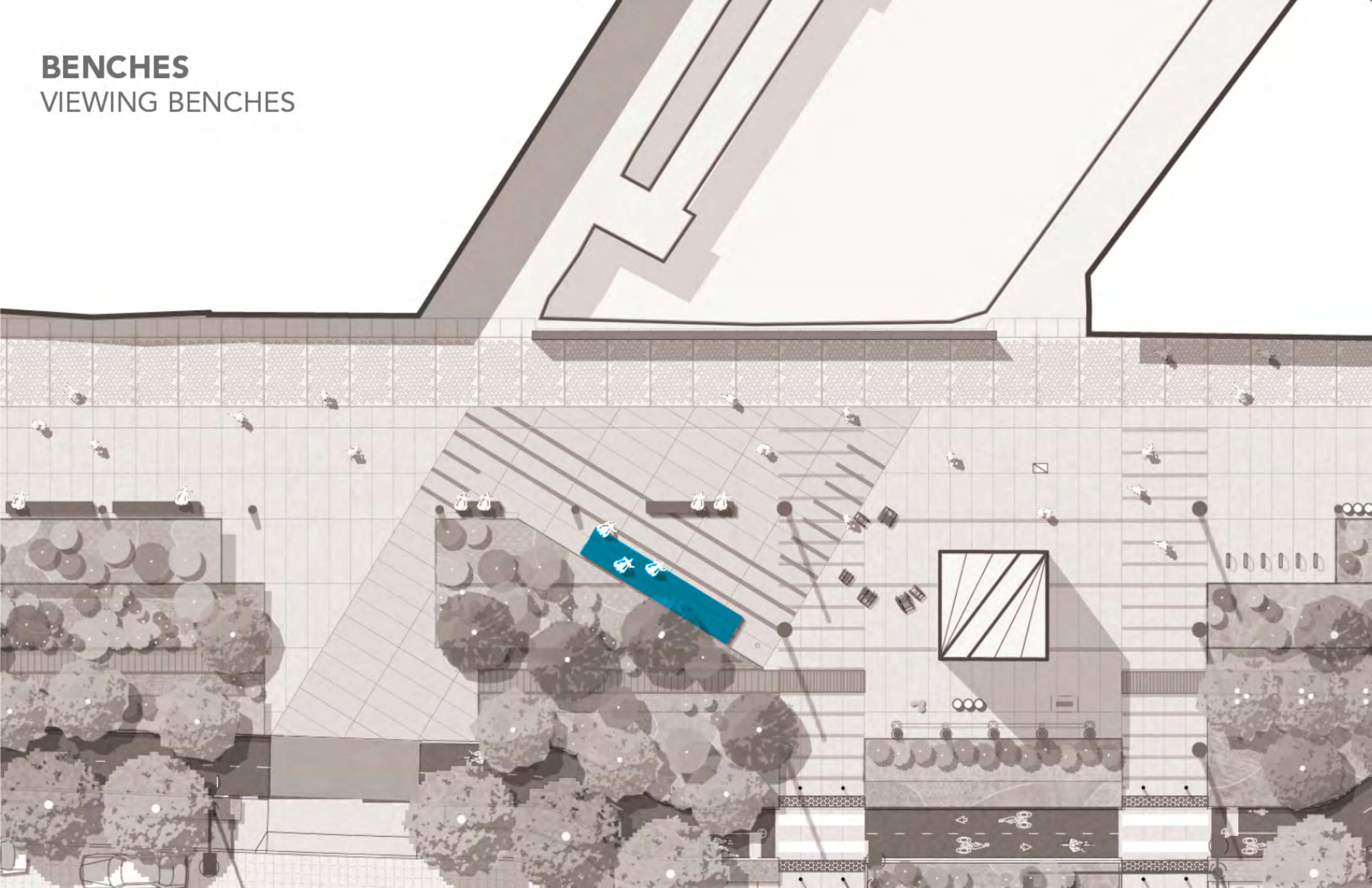


LONGITUDINAL SECTION

BENCHES
VIEWING BENCHES

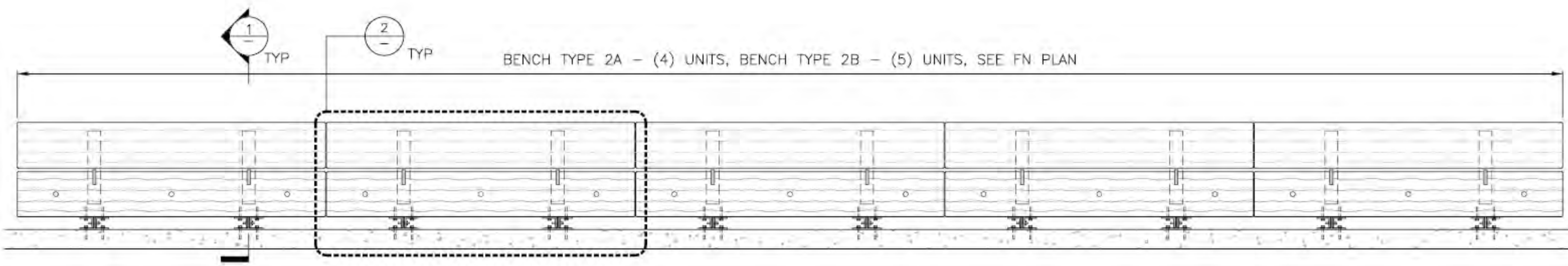
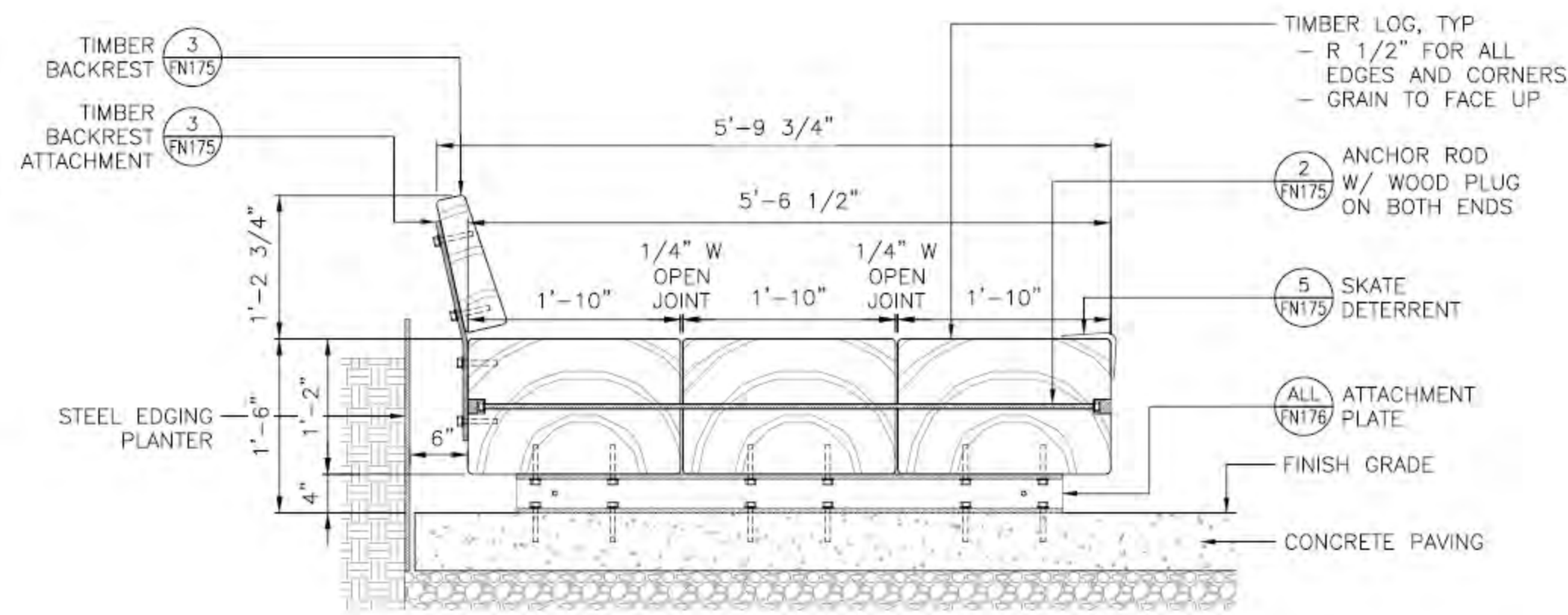


BENCHES
VIEWING BENCHES

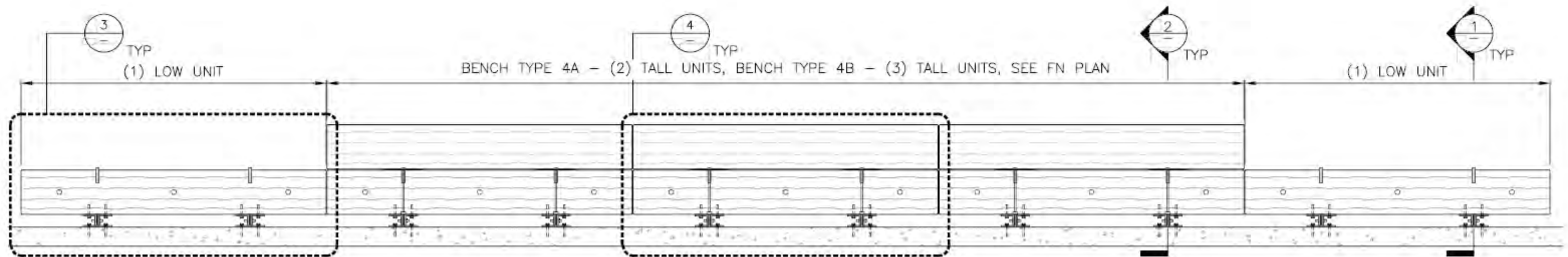


BENCHES

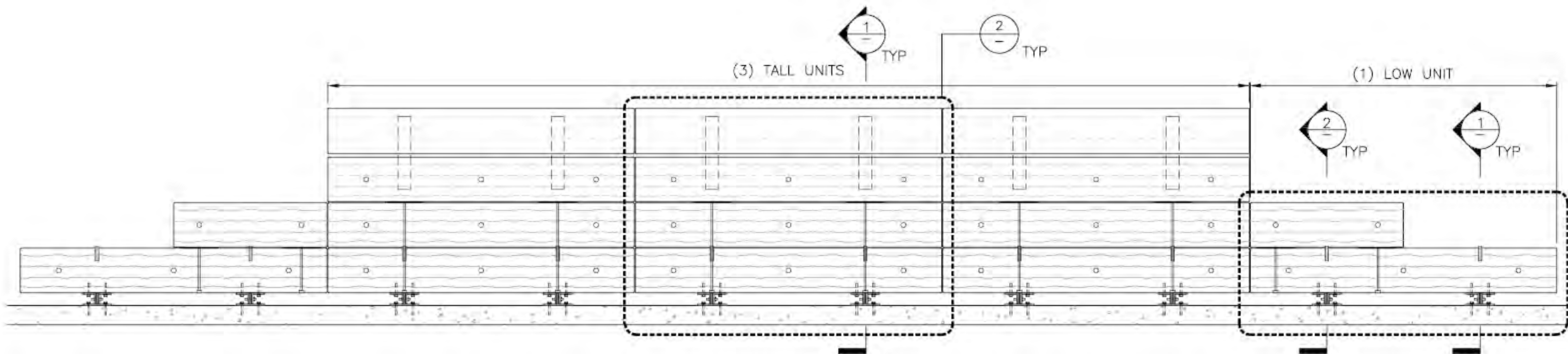
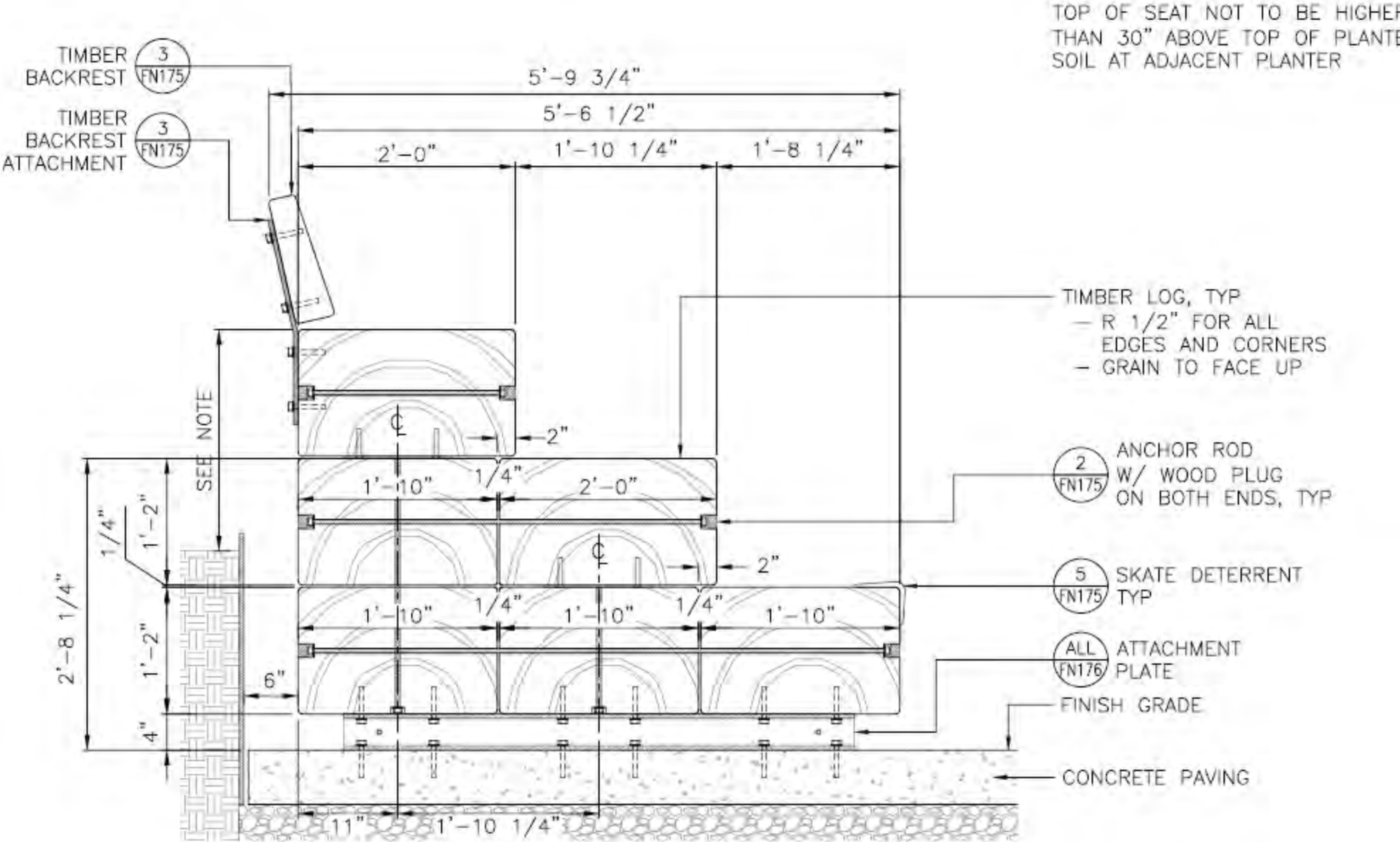
VIEWING BENCH: CHAISE



VIEWING BENCH: ZIGGURAT



BENCHES
VIEWING BENCH: STEPPED



BENCHES MATERIALS

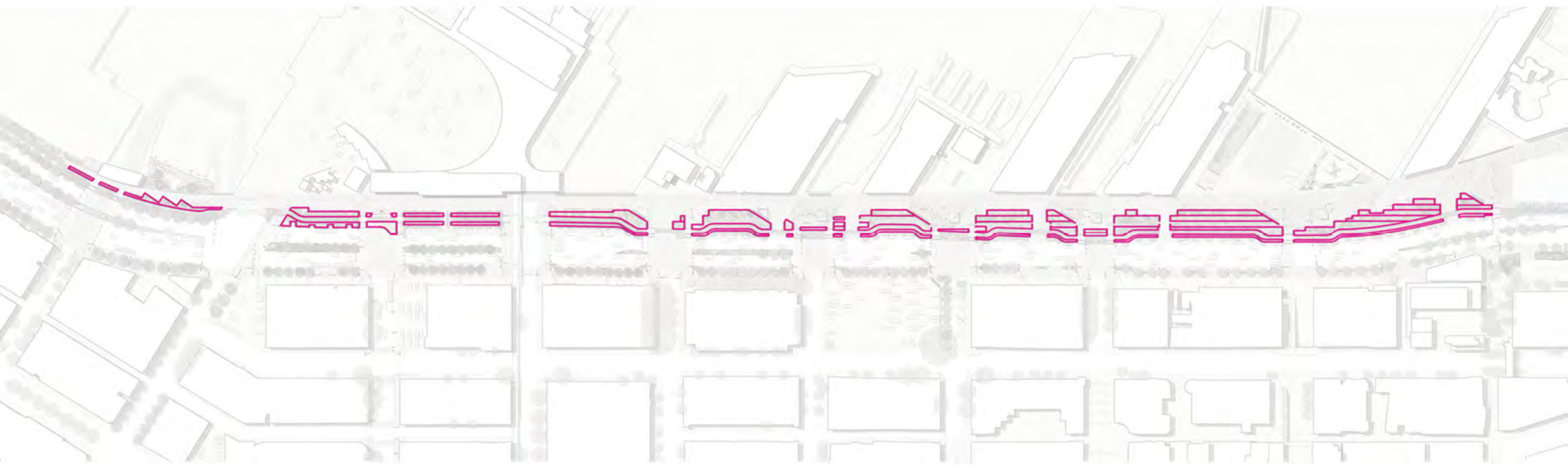


BENCHES

VIEW



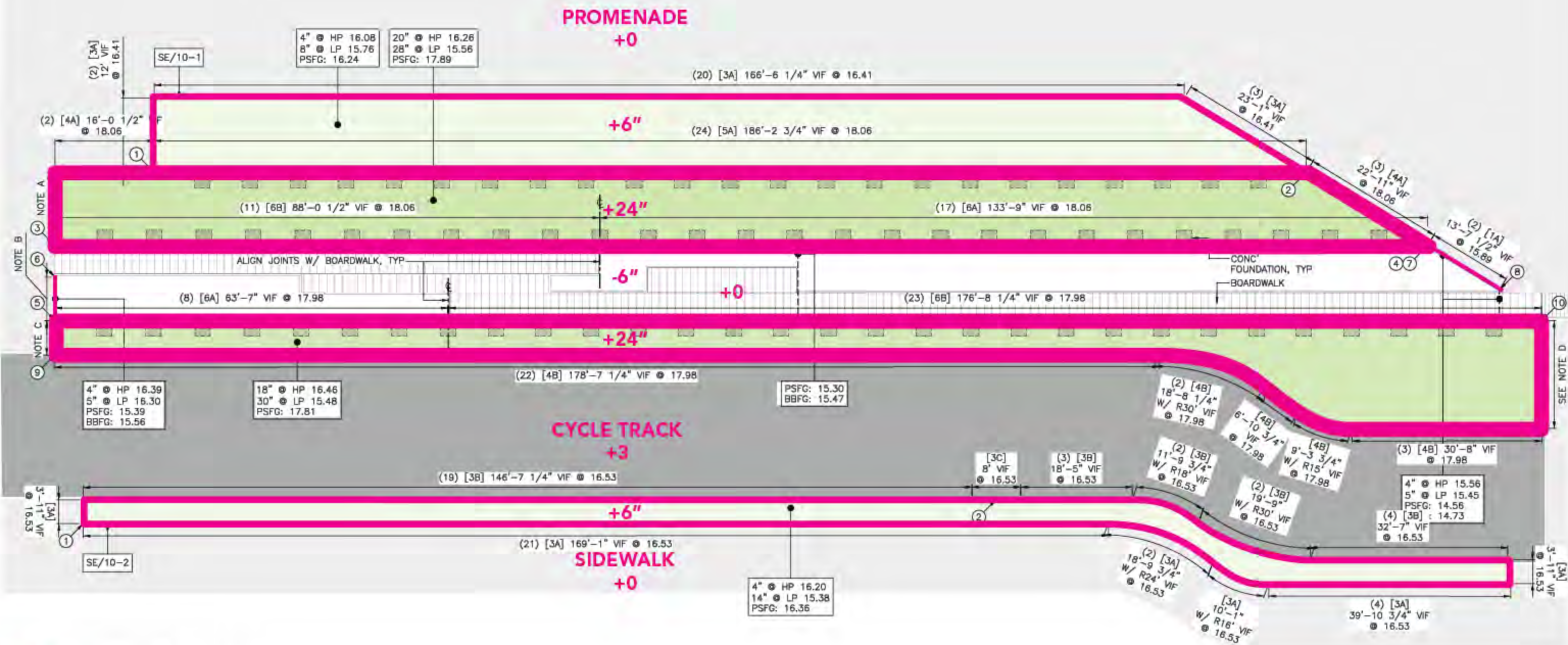
FURNISHING
STEEL EDGING



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

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

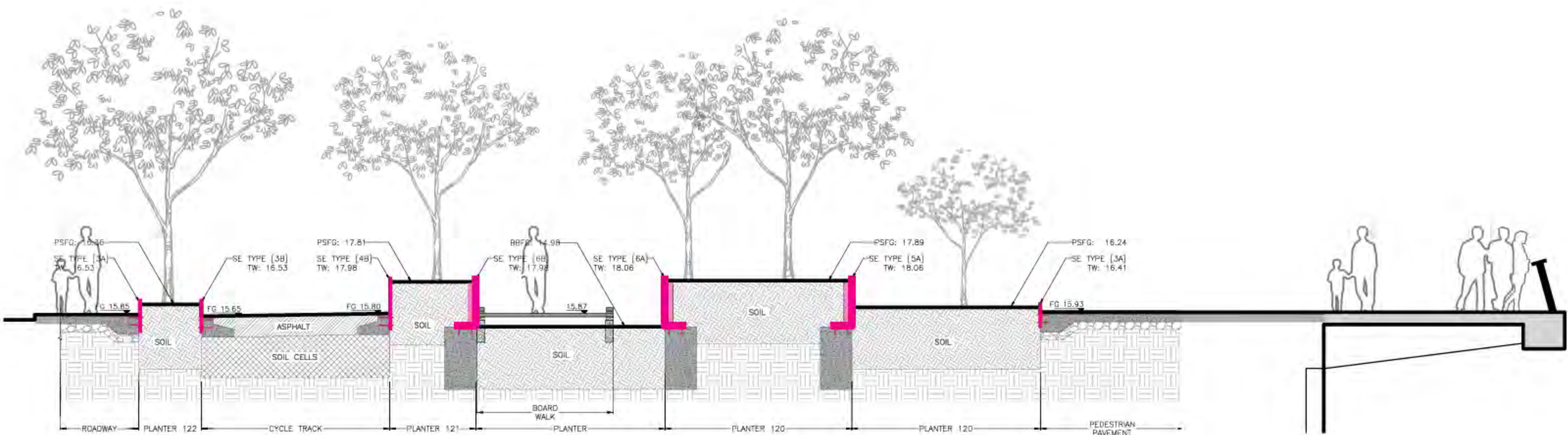
STEEL EDGING LAYOUT



LOW STEEL EDGING

HIGH STEEL EDGING

STEEL EDGING LAYOUT

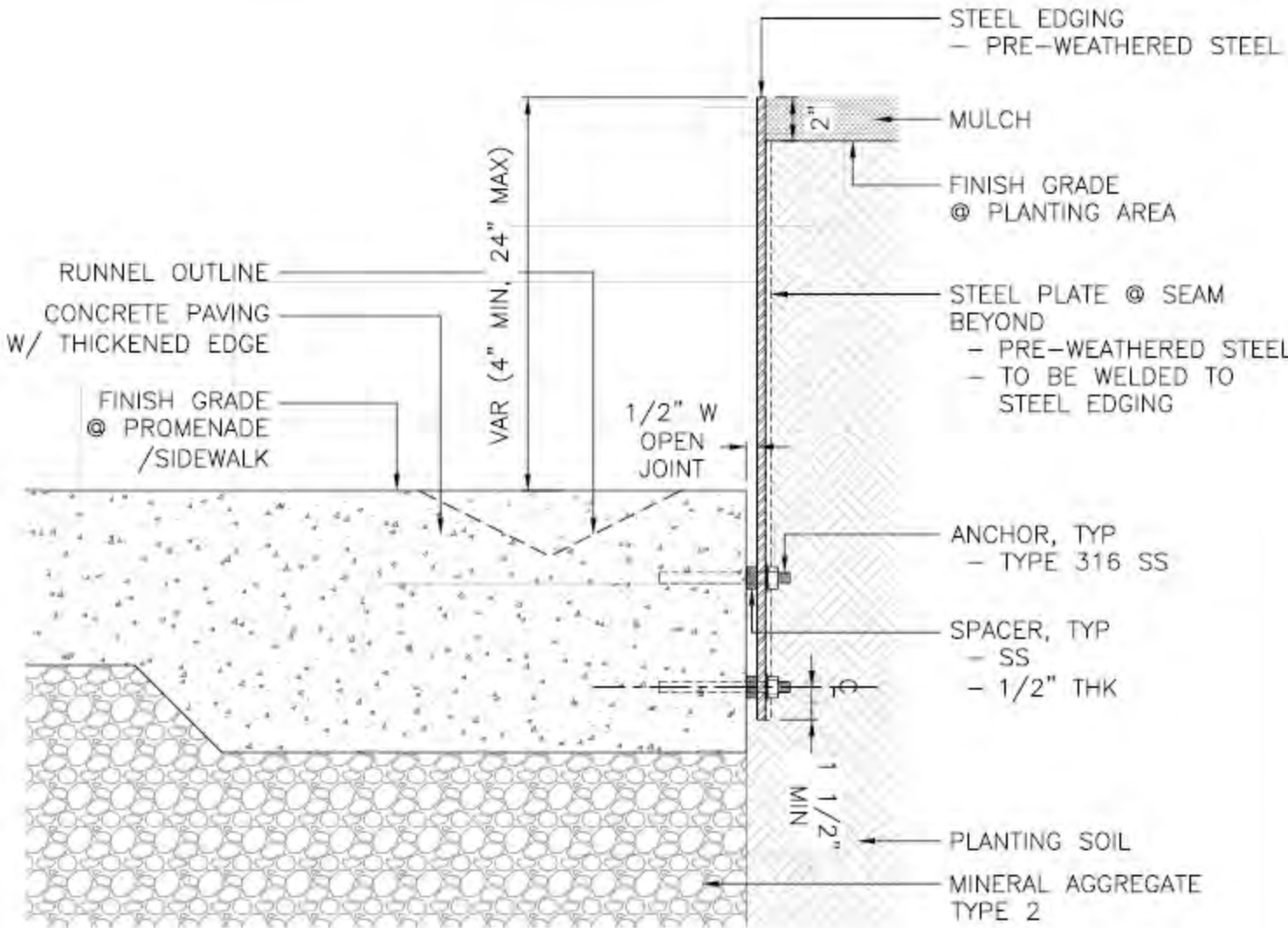


LOW STEEL EDGING

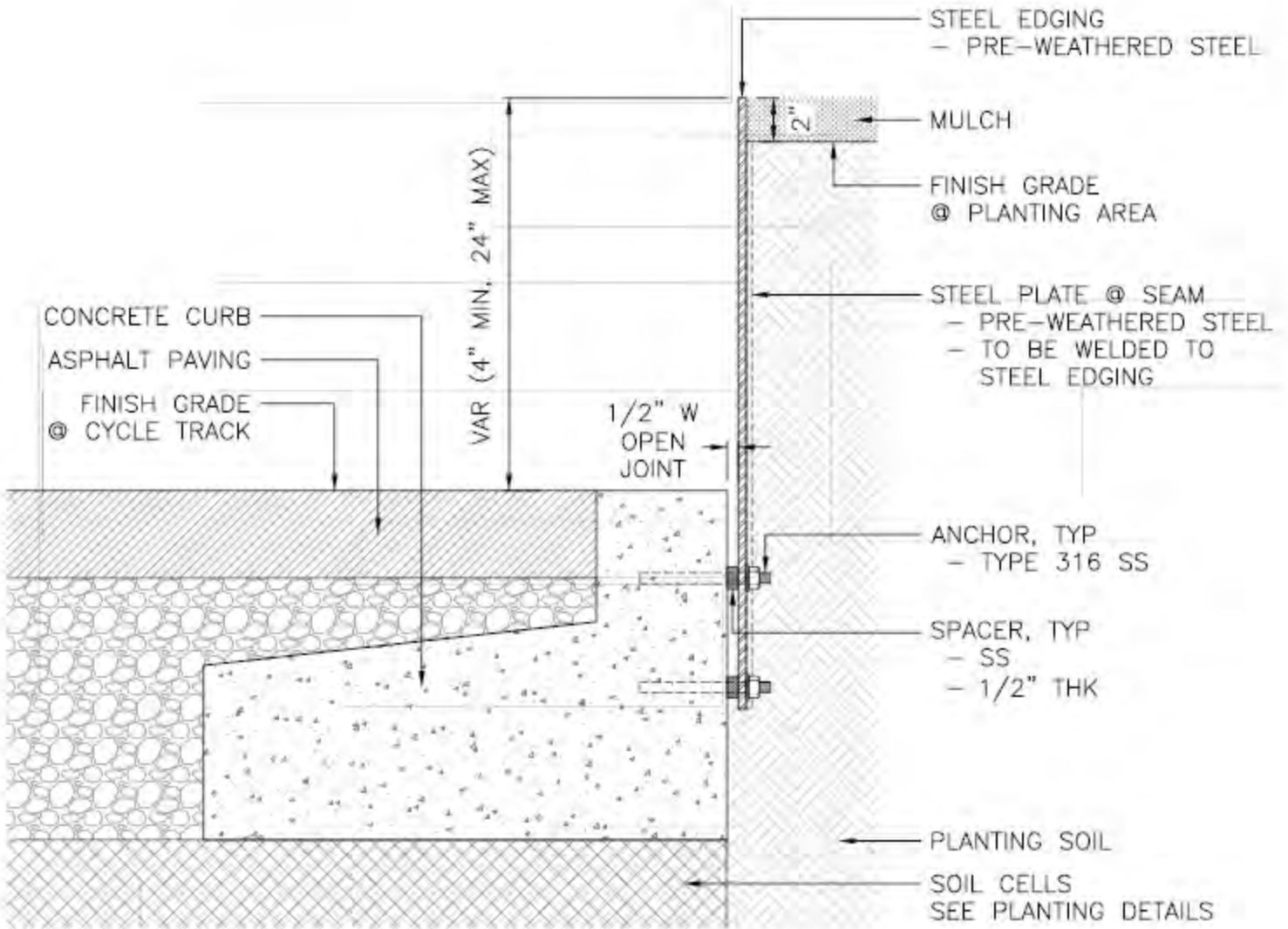
HIGH STEEL EDGING

STEEL EDGING

6-18" TALL



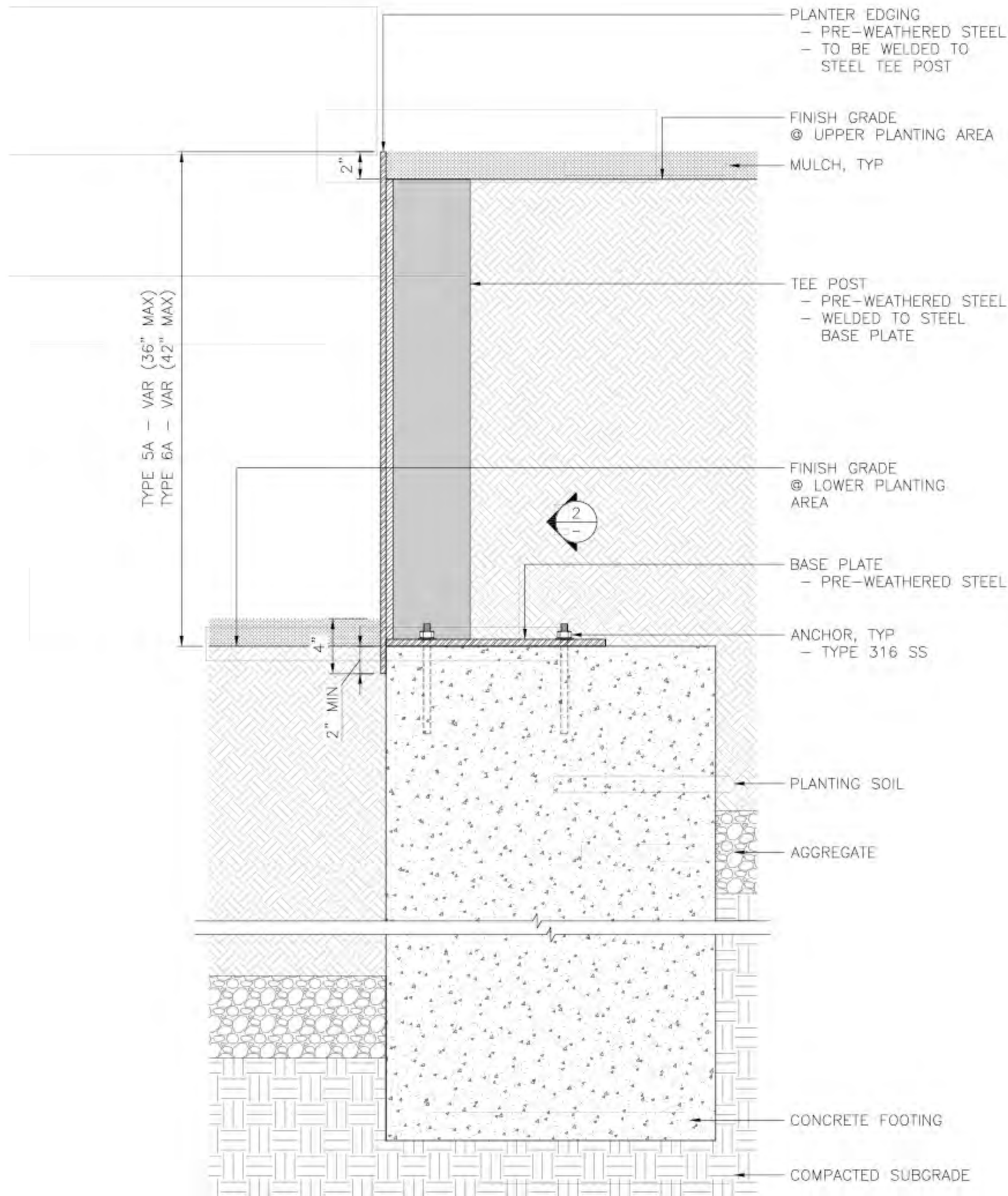
STEEL EDGING AT PROMENADE EDGE



STEEL EDGING AT BIKE FACILITY EDGE

STEEL EDGING

18-42" TALL



STEEL EDGING

6-18" TALL

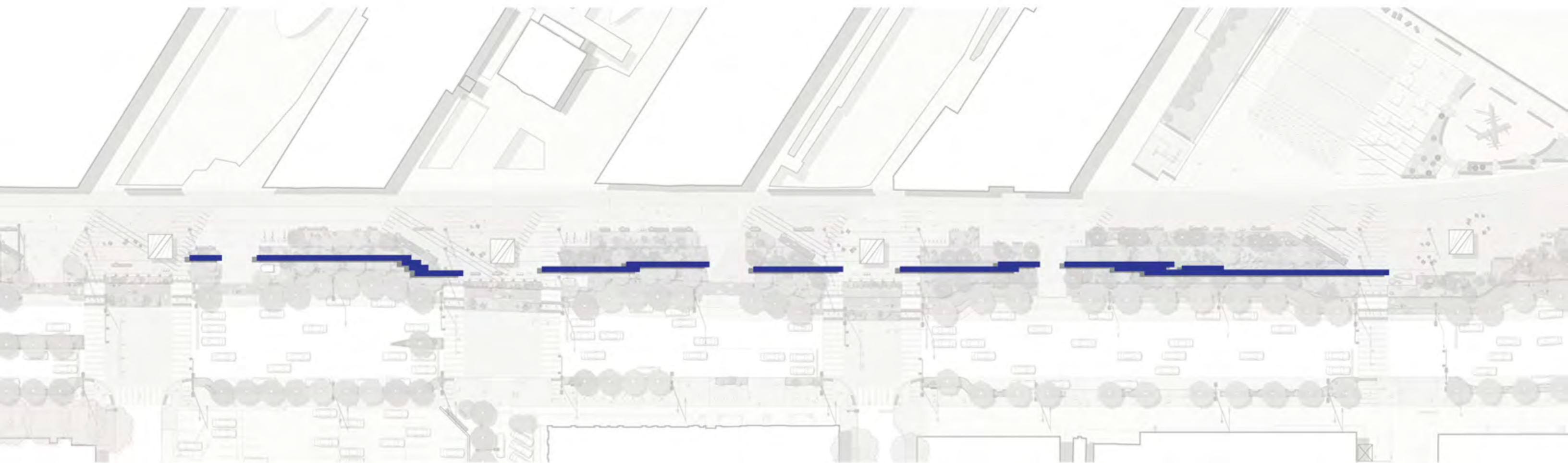


STEEL EDGING

18-42" TALL

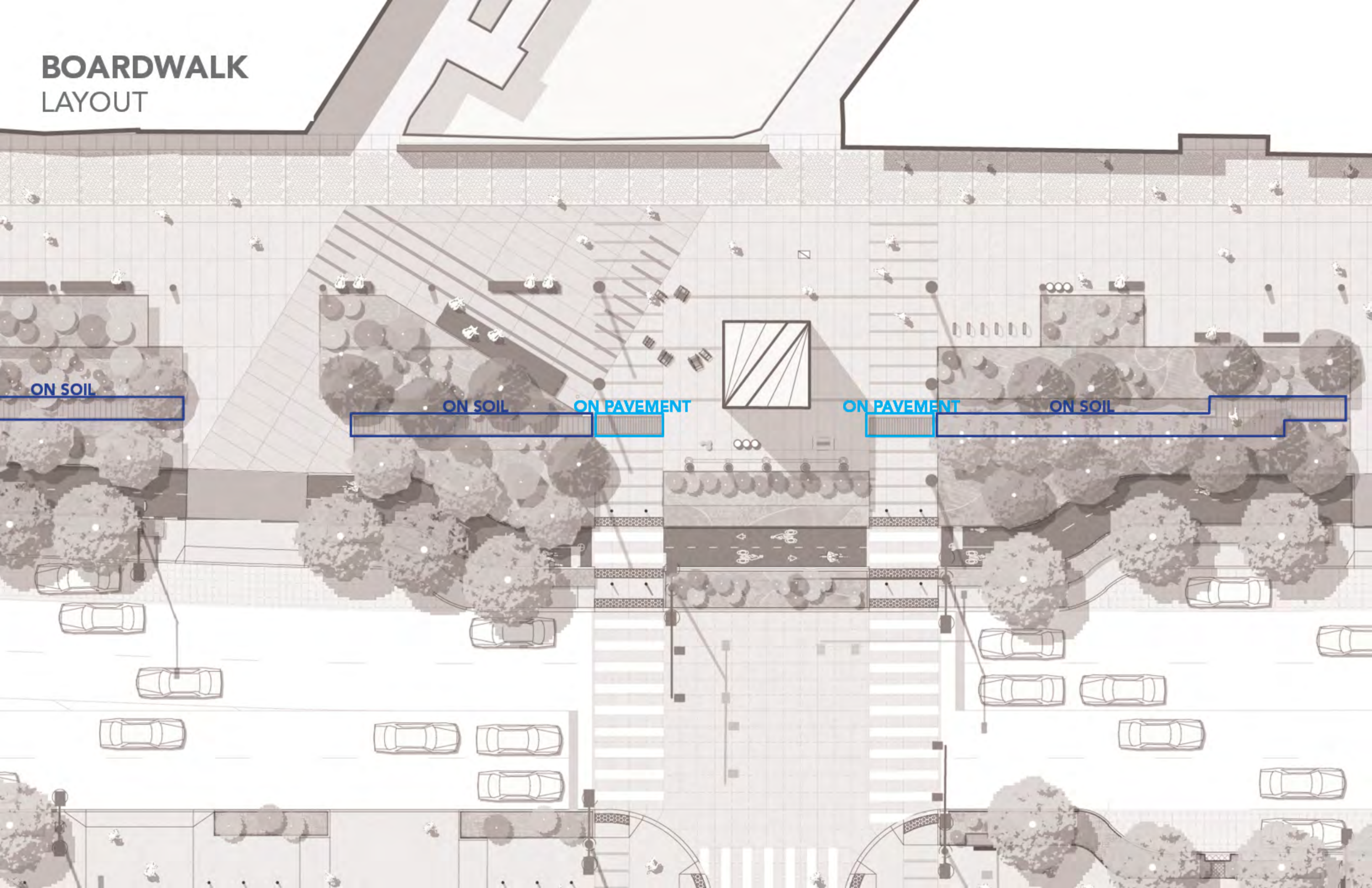


FURNISHING BOARDWALK

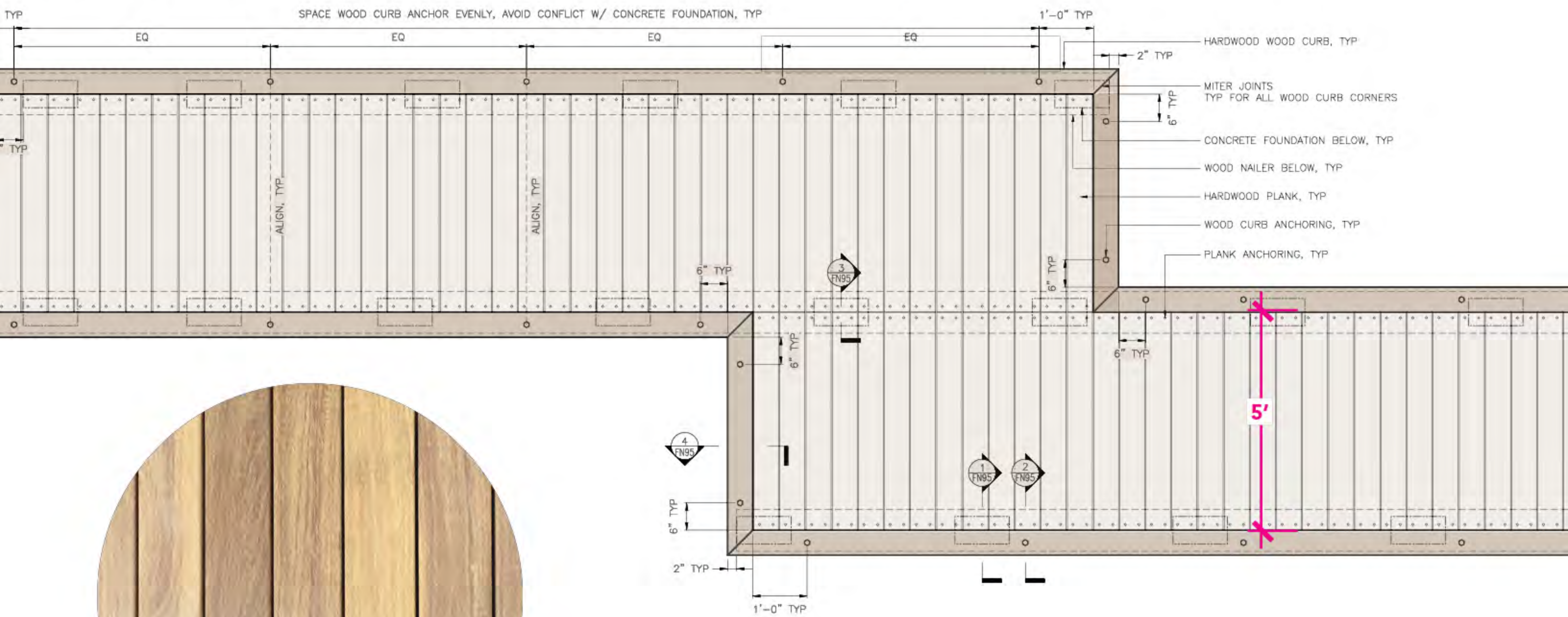


- | | |
|---|---|
|  TREE PIT GUARD |  HISTORIC BALUSTRADE |
|  GSI + METAL DECK |  WATERFRONT RAILING |
|  BOLLARDS |  DRINKING FOUNTAINS |
|  STEEL EDGING |  BIKE RACKS |
|  BOARDWALK | |
|  BENCHES | |

BOARDWALK LAYOUT

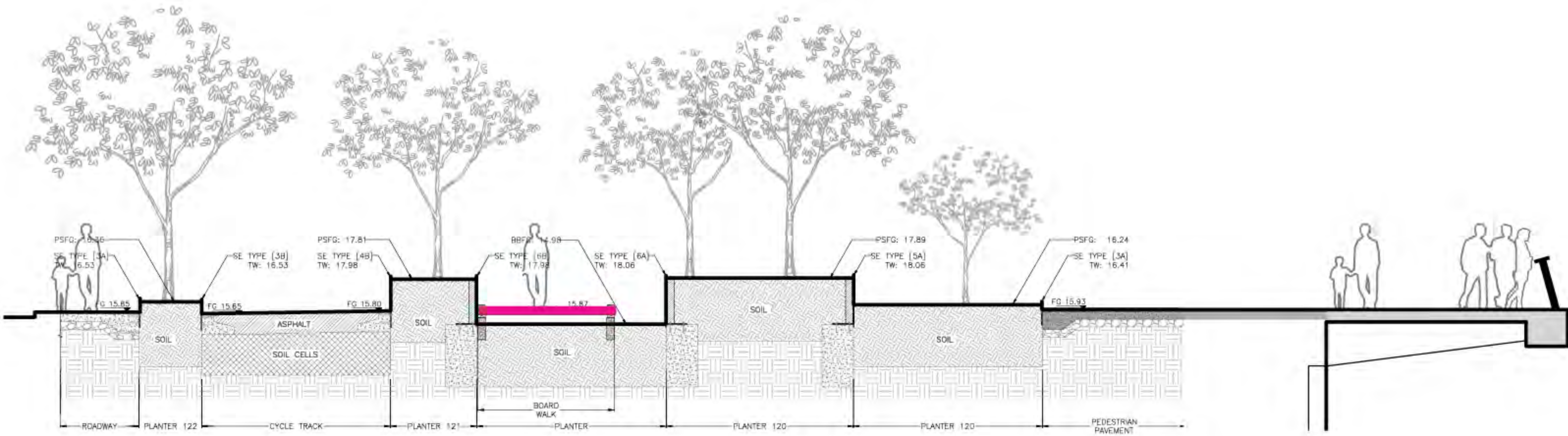


BOARDWALK LAYOUT + MATERIAL



CUMARU 2X4

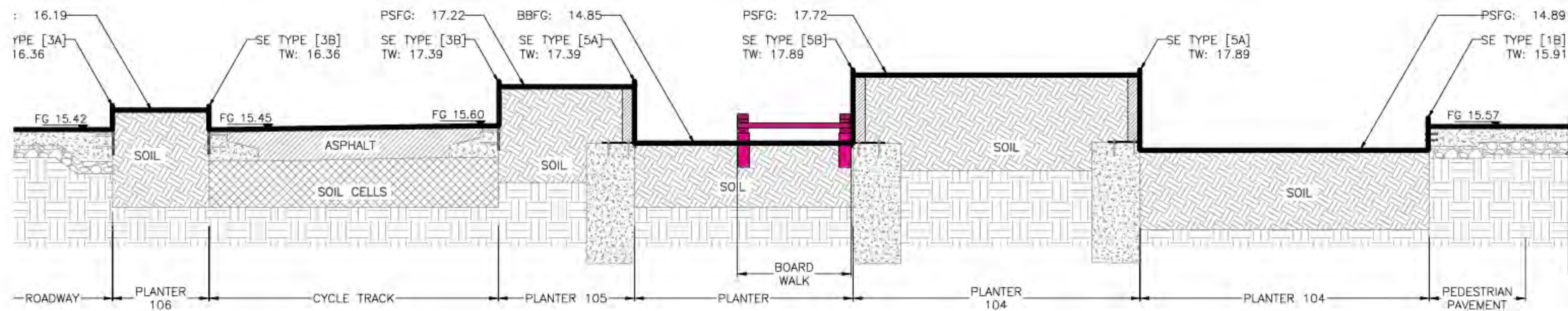
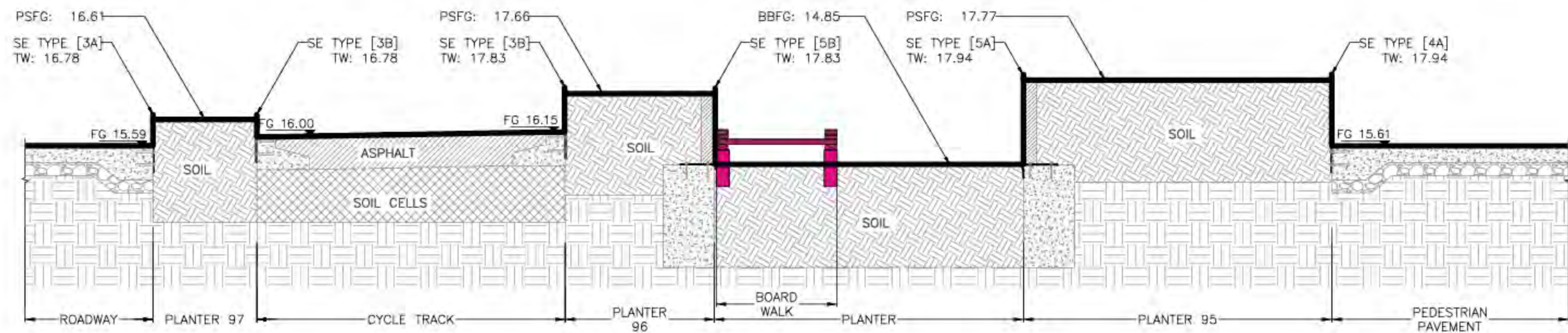
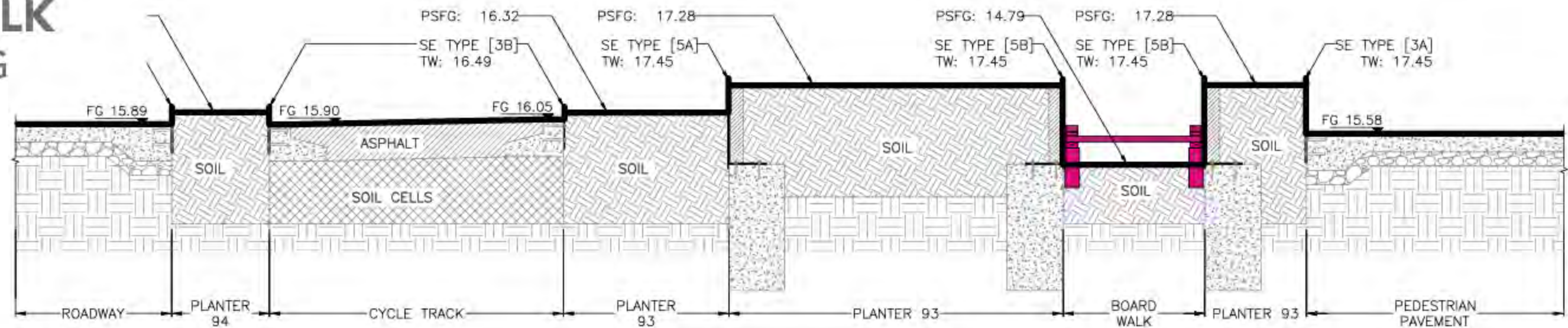
BOARDWALK LAYOUT



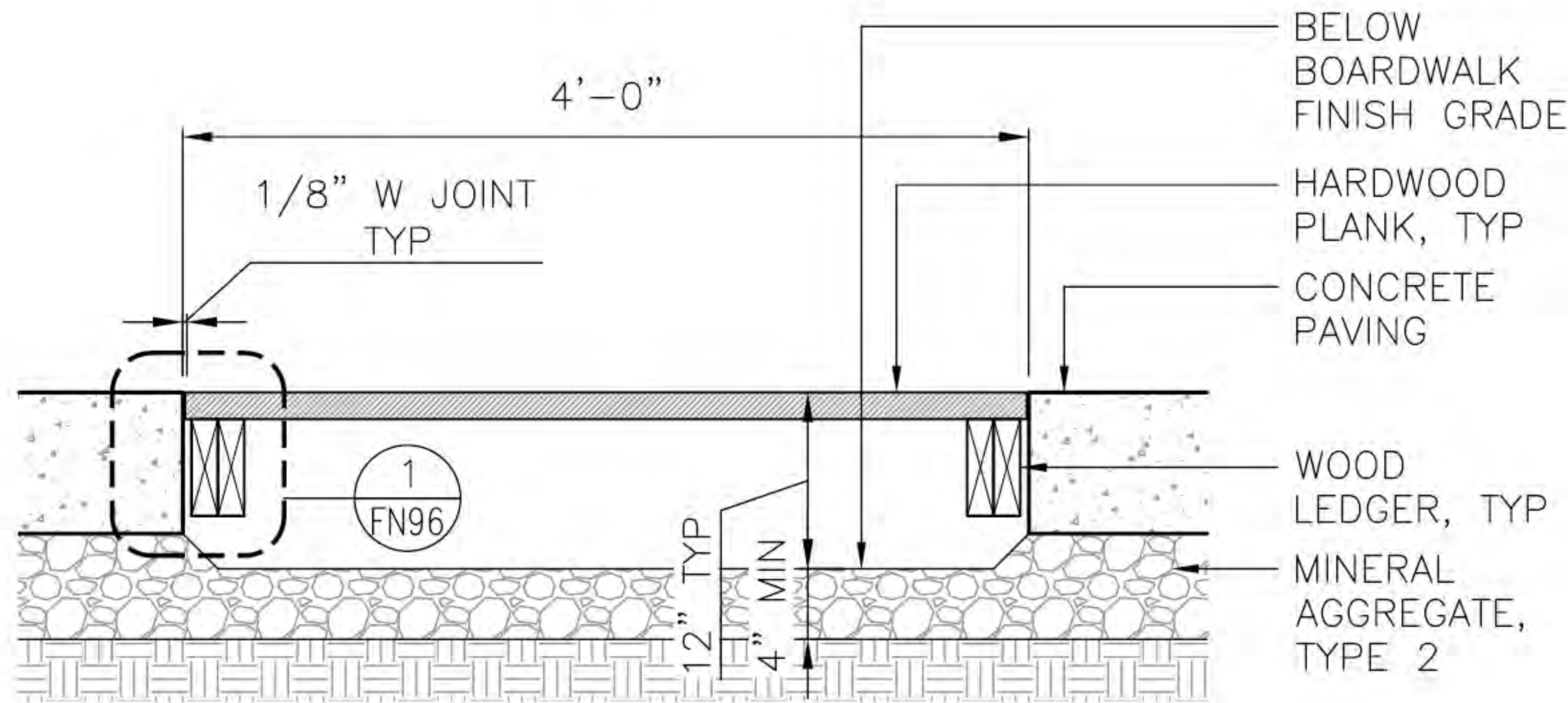
LEGEND

BOARDWALK

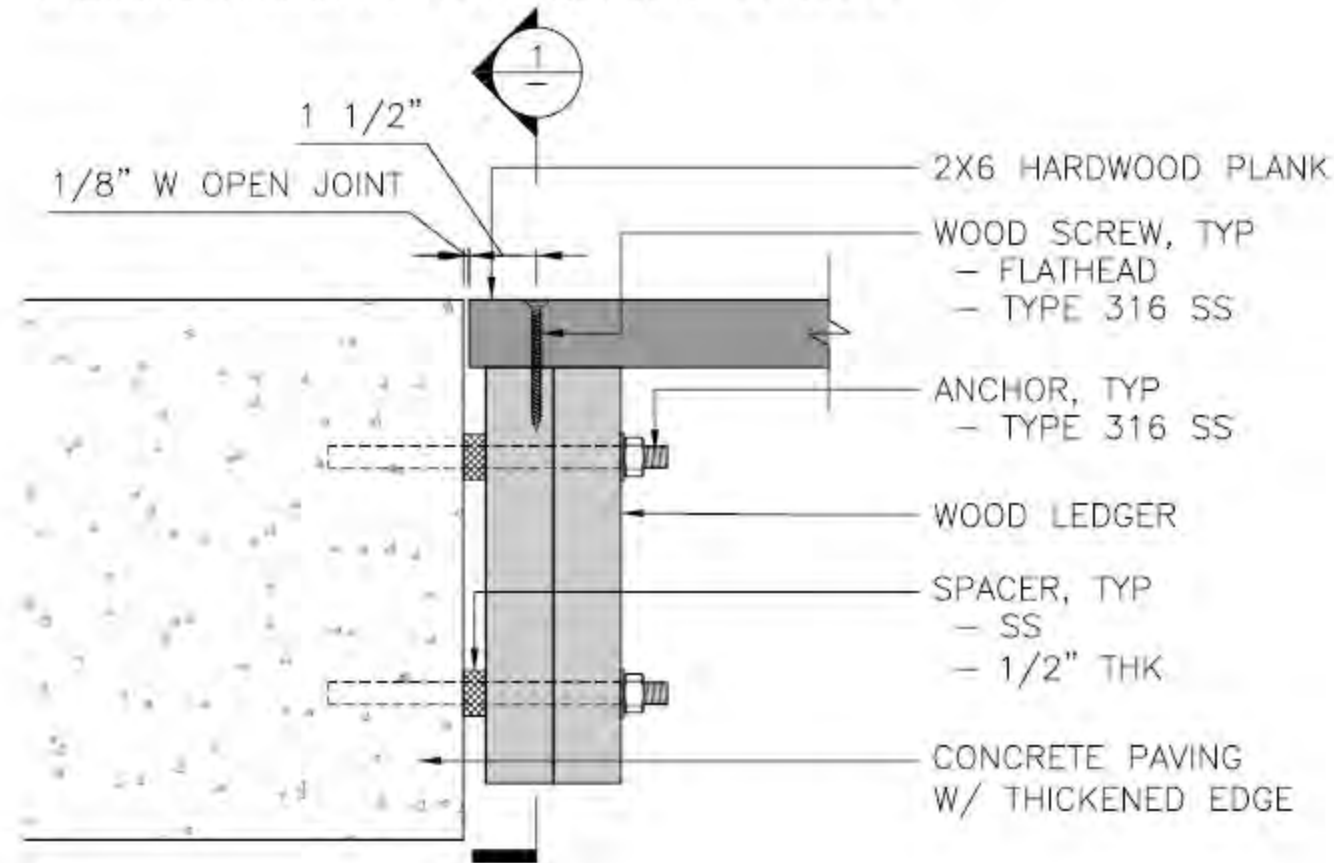
BOARDWALK IN PLANTING



**BOARDWALK
IN PAVEMENT**

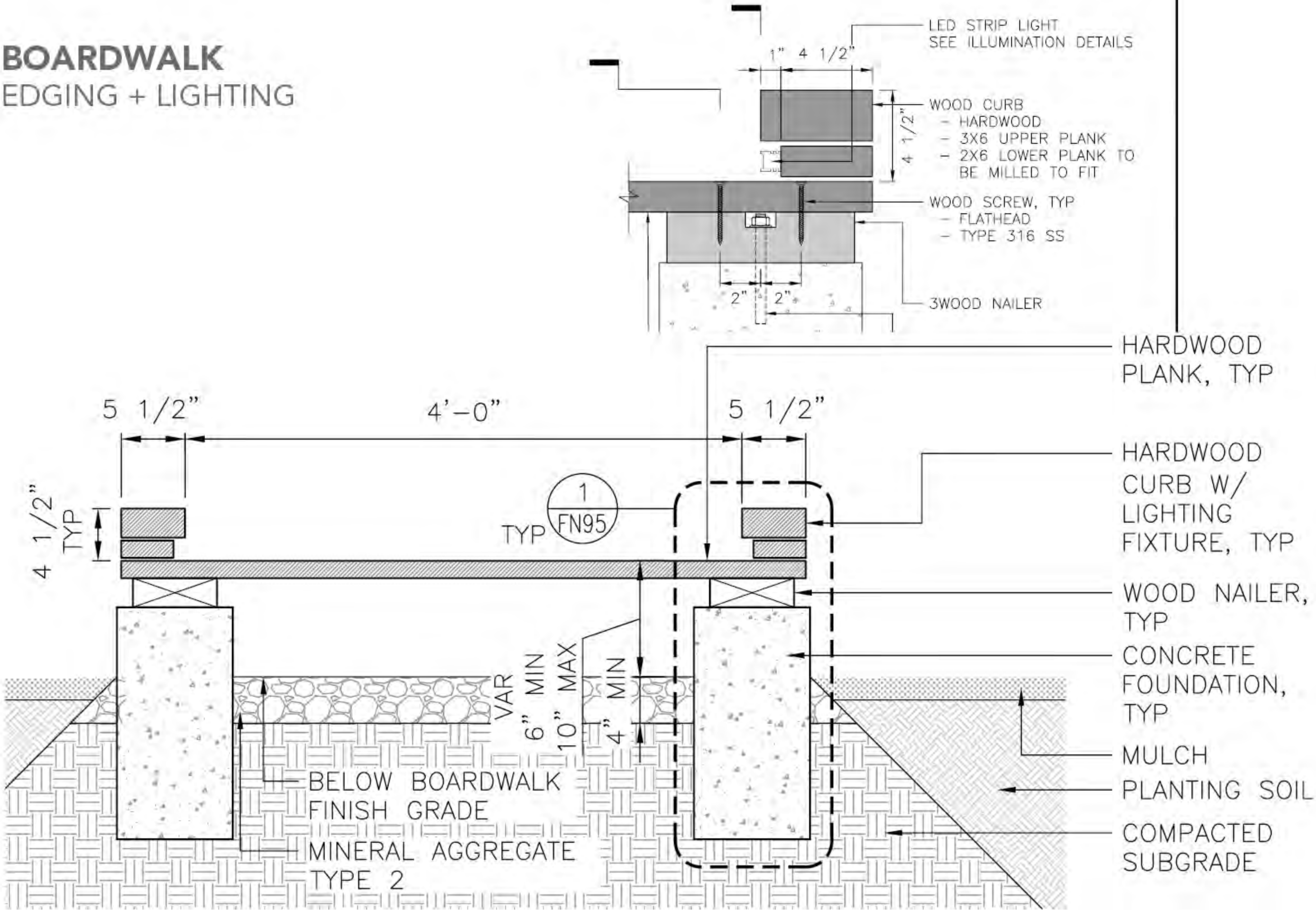


BOARDWALK IN PAVEMENT SECTION



CONNECTION TO PAVEMENT SECTION

BOARDWALK
EDGING + LIGHTING



BOARDWALK

EDGING + LIGHTING

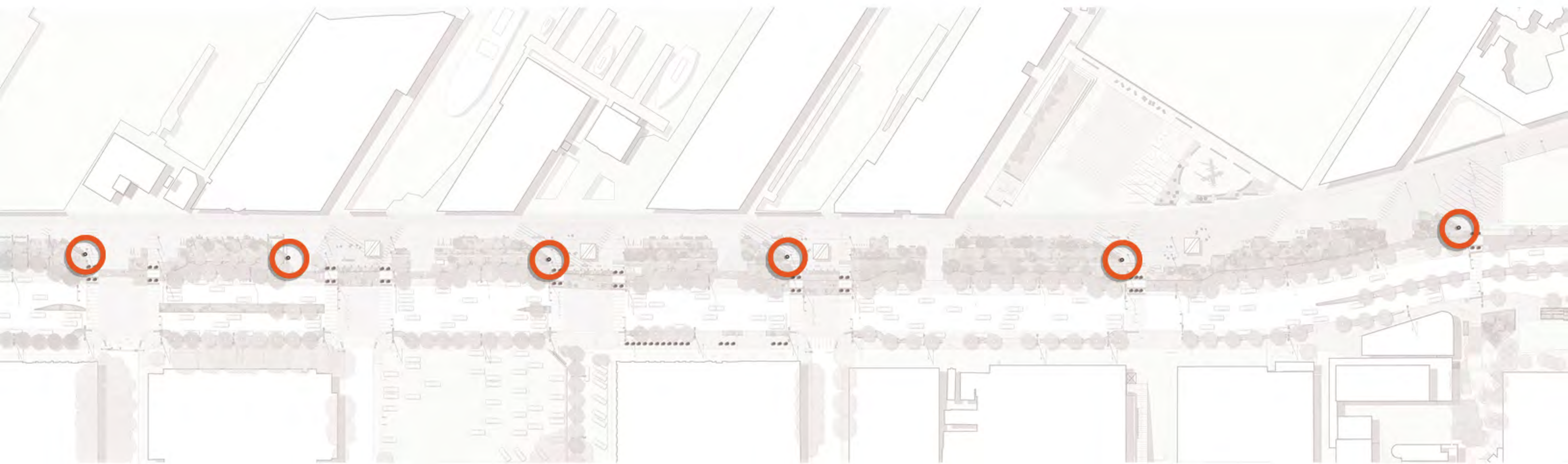


BOARDWALK VIEW



FURNISHING

UTILITY BOLLARDS: TO PROVIDE POWER



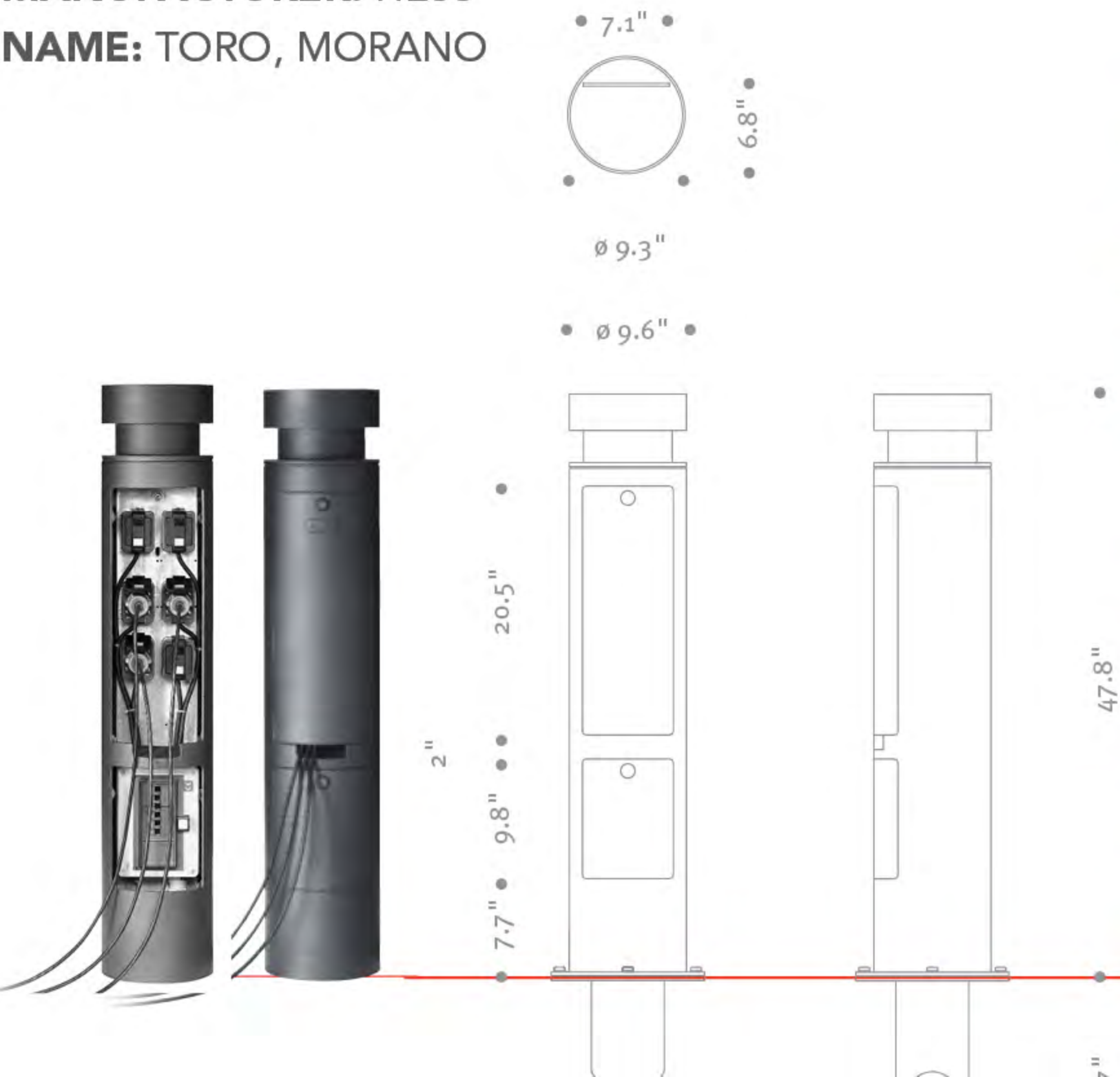
- | | |
|--|---|
|  WATERFRONT RAILING |  TRASH CANS |
|  BENCHES |  BIKE RACKS |
|  STEEL EDGING |  BOLLARDS |
|  BOARDWALK |  TREE PIT GUARDS |
|  UTILITY BOLLARDS |  METAL DECKING |
|  DRINKING FOUNTAINS | |

UTILITY BOLLARD
LOCATIONS



UTILITY BOLLARD
DETAILS

MANUFACTURER: HESS
NAME: TORO, MORANO



FURNISHING

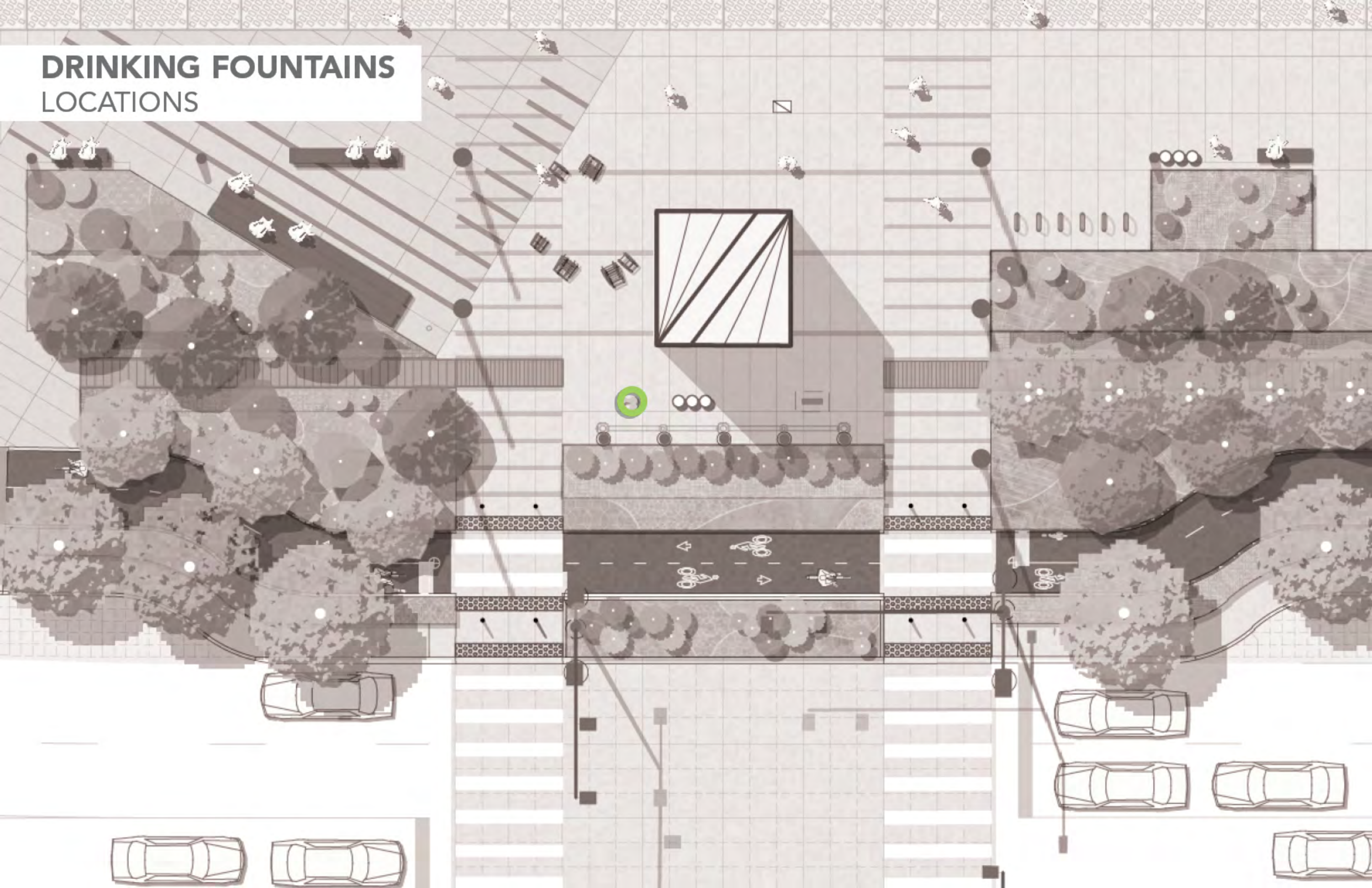
DRINKING FOUNTAINS



- 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,

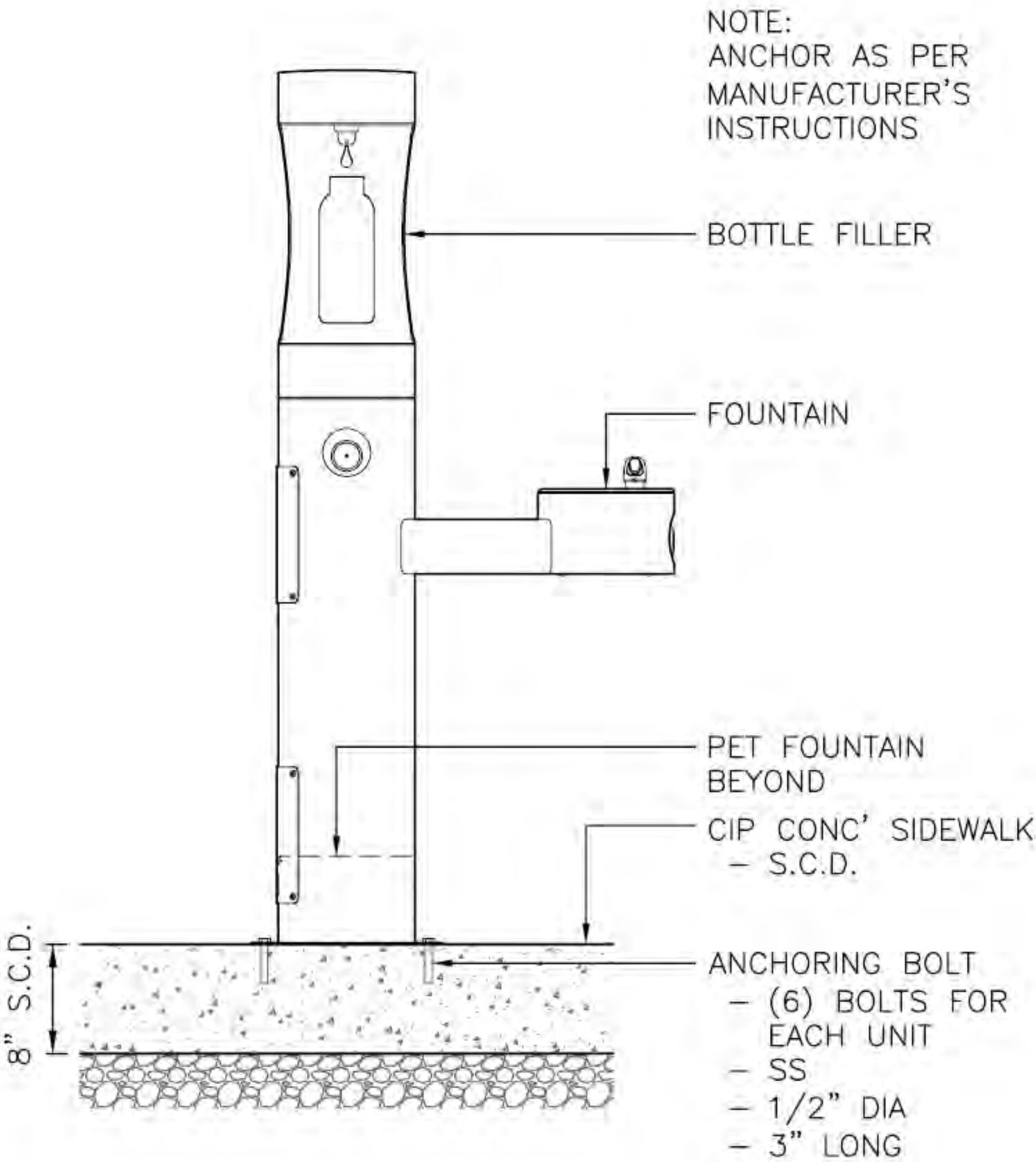
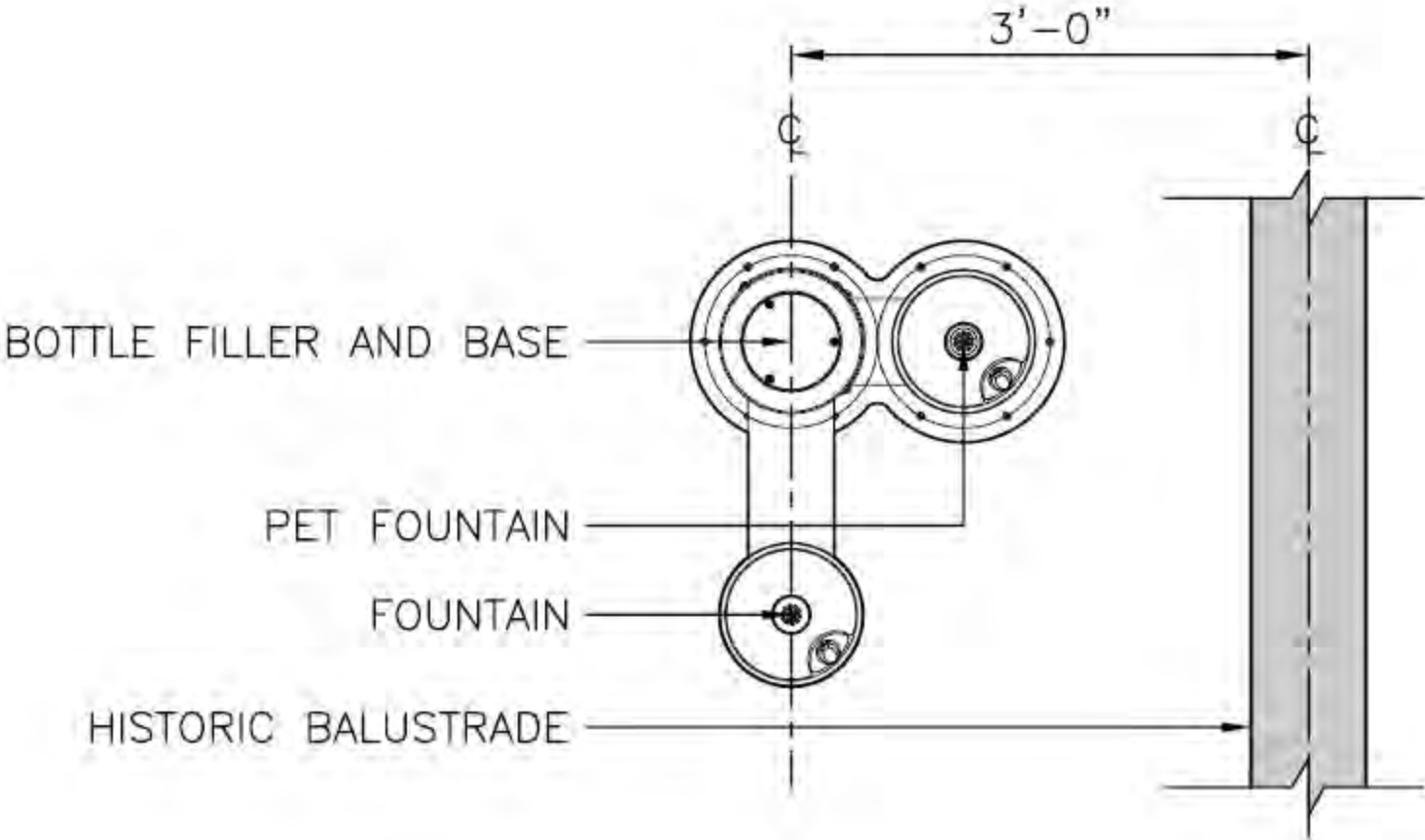
WATER BOTTLE FILLER

PET FOUNTAIN



DRINKING FOUNTAINS

LAYOUT



TRASH RECEPTACLES

MANUFACTURER: LANDSCAPE FORMS

NAME: LAKESIDE

MATERIALS: STEEL, LOW DENSITY PLASTIC LINER
100% RECYCLABLE

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

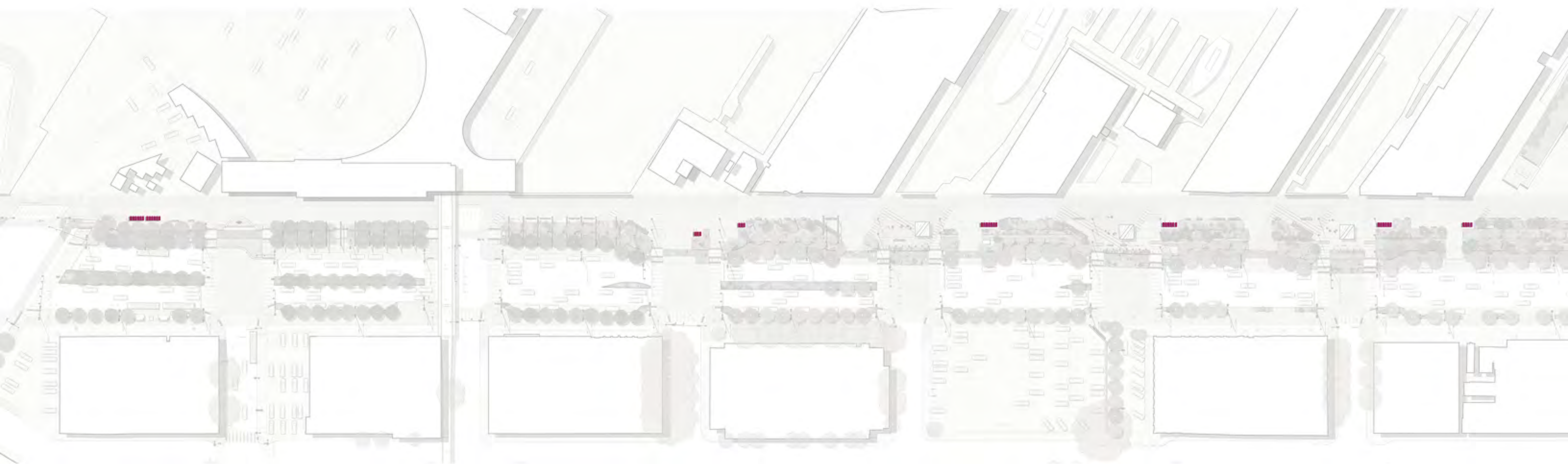
SECURITY OPTIONS:

- MOVABLE (SMALLER INSTALLATION COST)



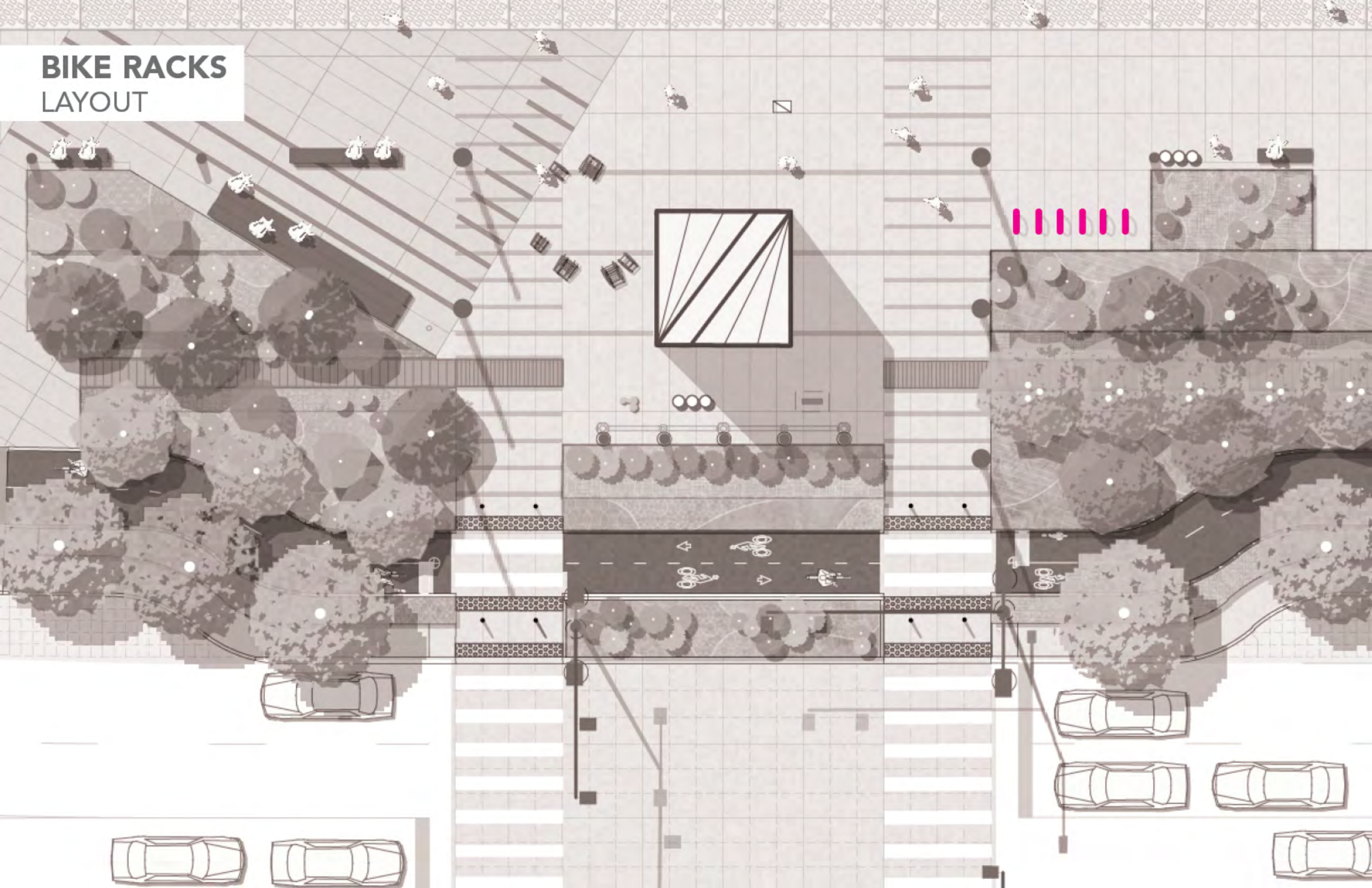
FURNISHING

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



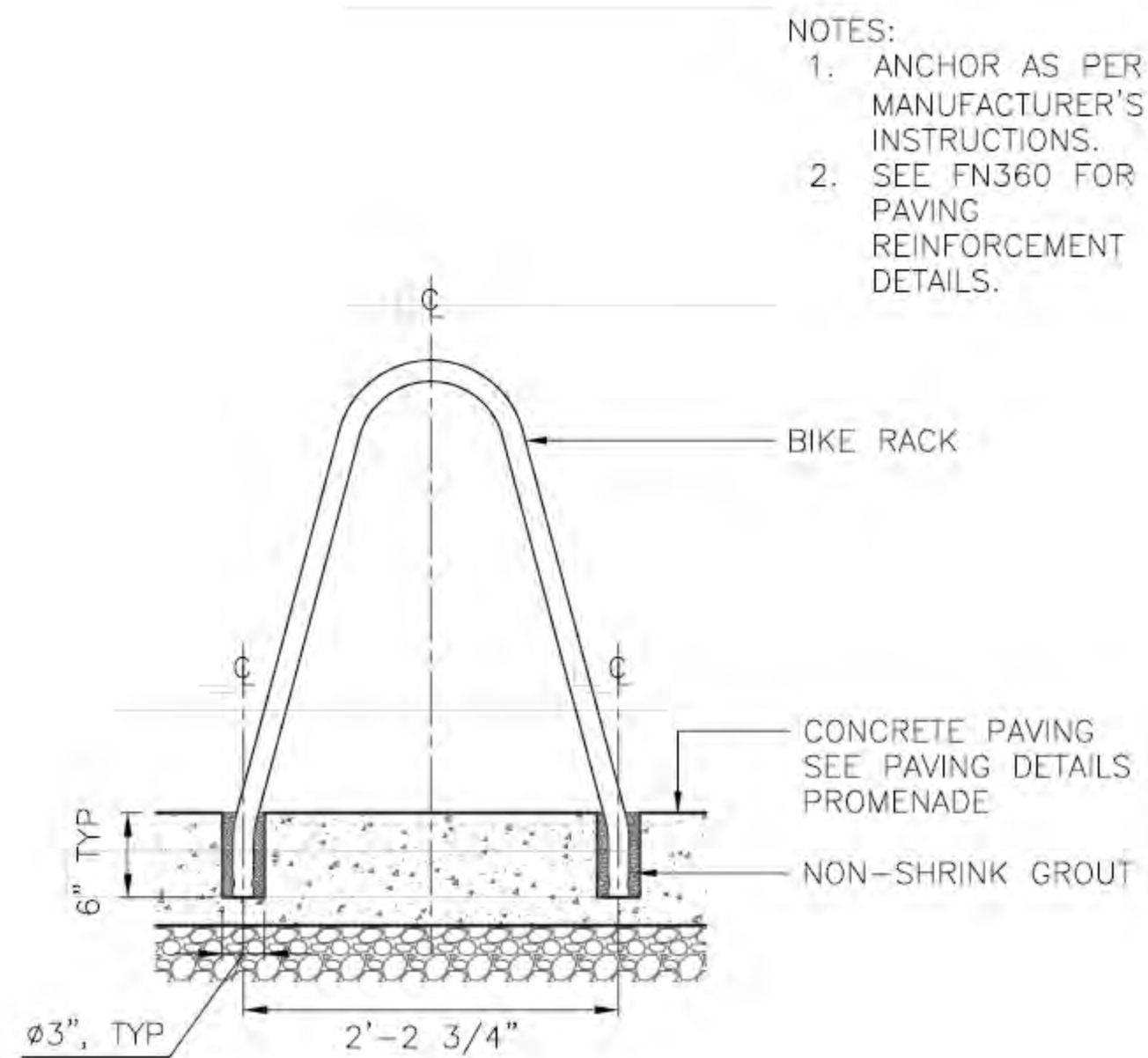
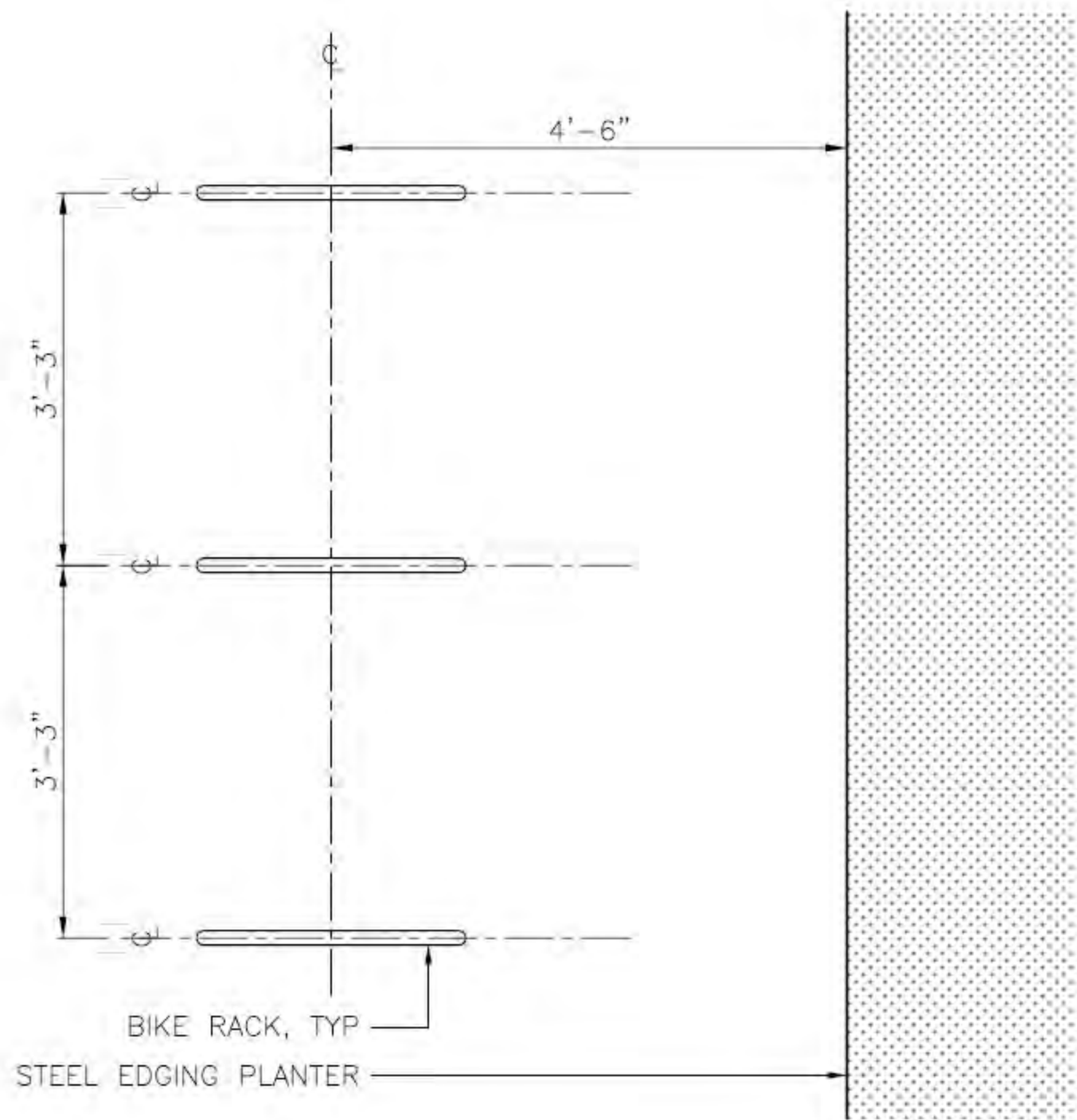
BIKE RACKS

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

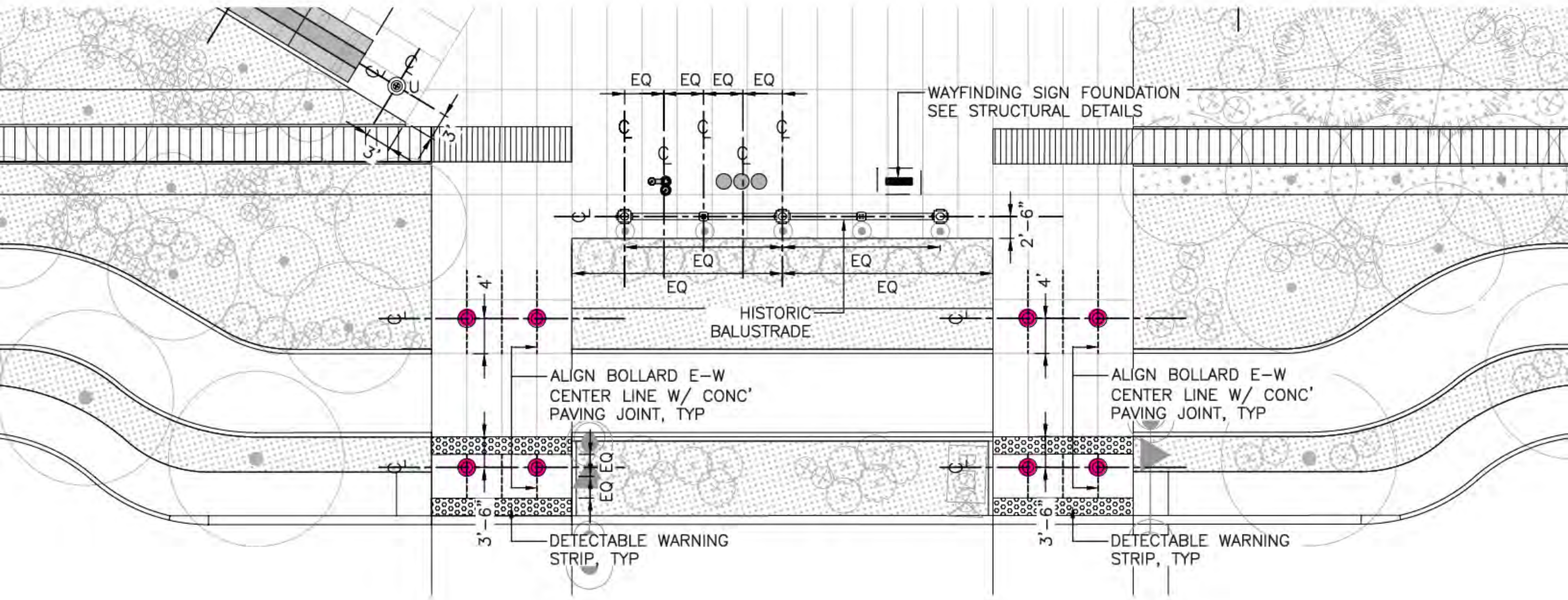
- TRASH CANS
- BIKE RACKS
- BOLLARDS**
- TREE PIT GUARDS
- METAL DECKING

BOLLARDS PRECEDENTS

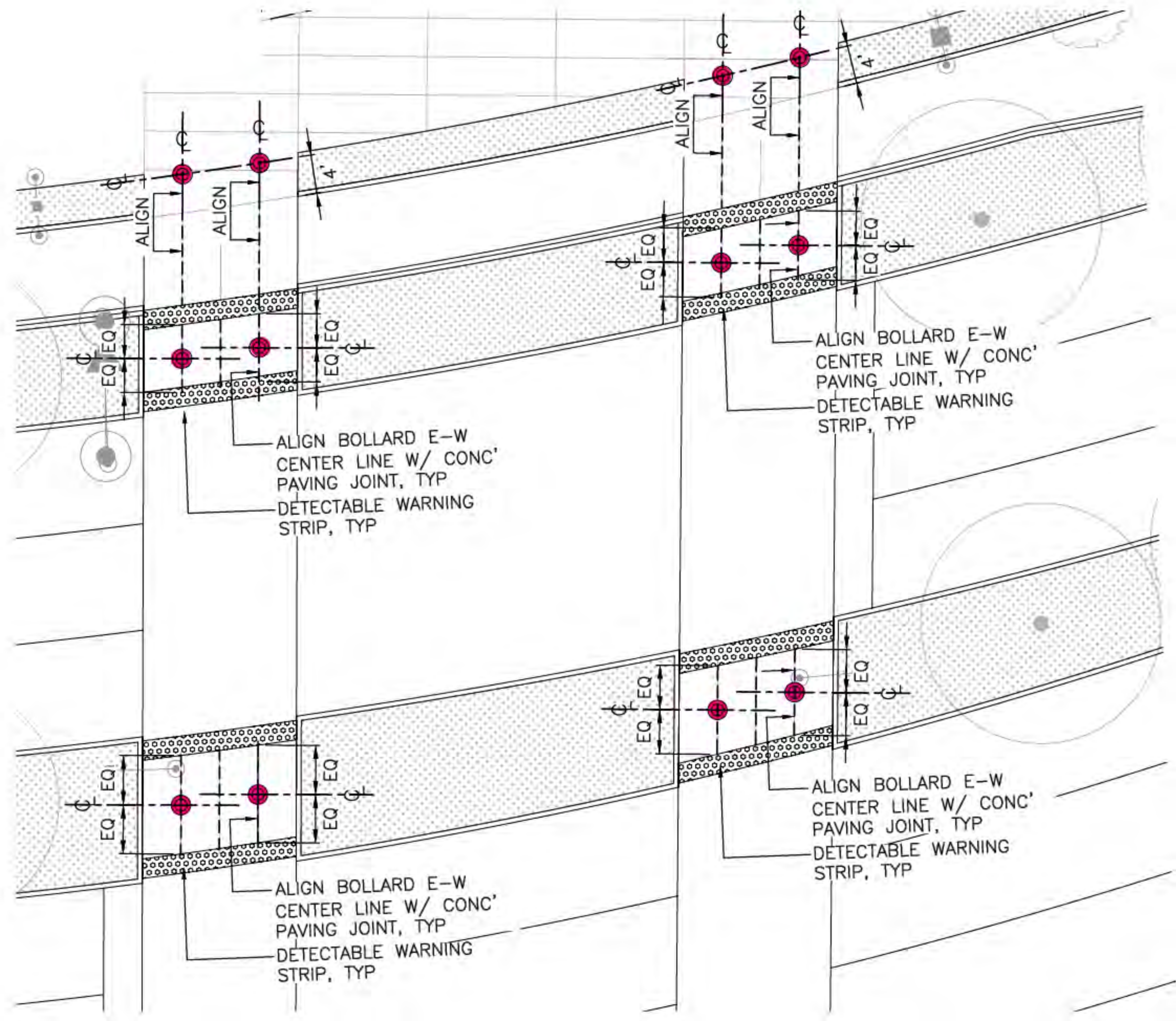


BOLLARDS

TYPICAL LAYOUT



BOLLARDS
LAYOUT IN MEDIAN



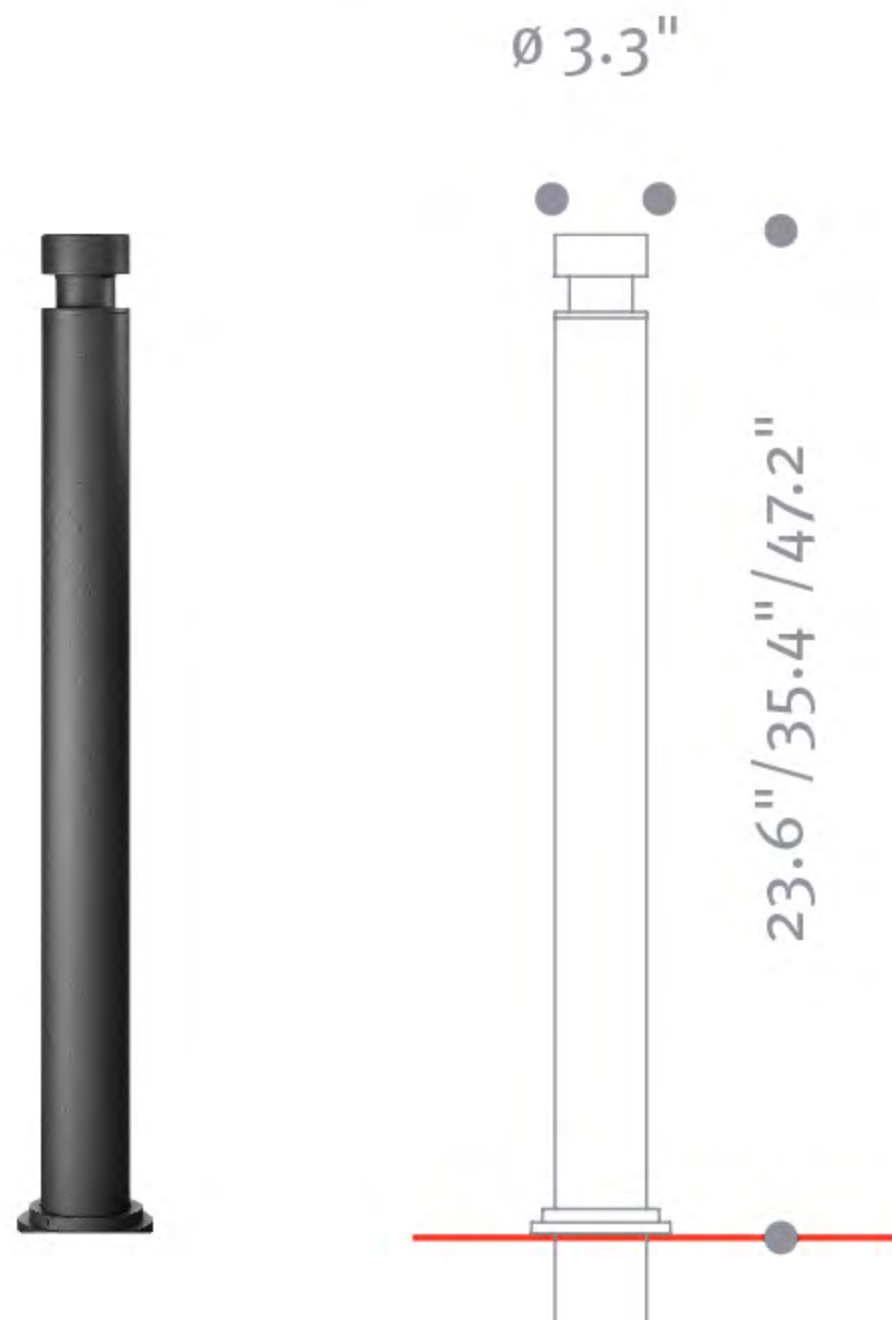
BOLLARDS

DESIGN

MANUFACTURER: HESS

NAME: MORANO 900

MATERIALS: BILLET ALUMINUM TOP CAP,
STEEL BOLLARD SHAFT



BOLLARDS
VIEW



FURNISHING

TREE PIT GUARDS



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

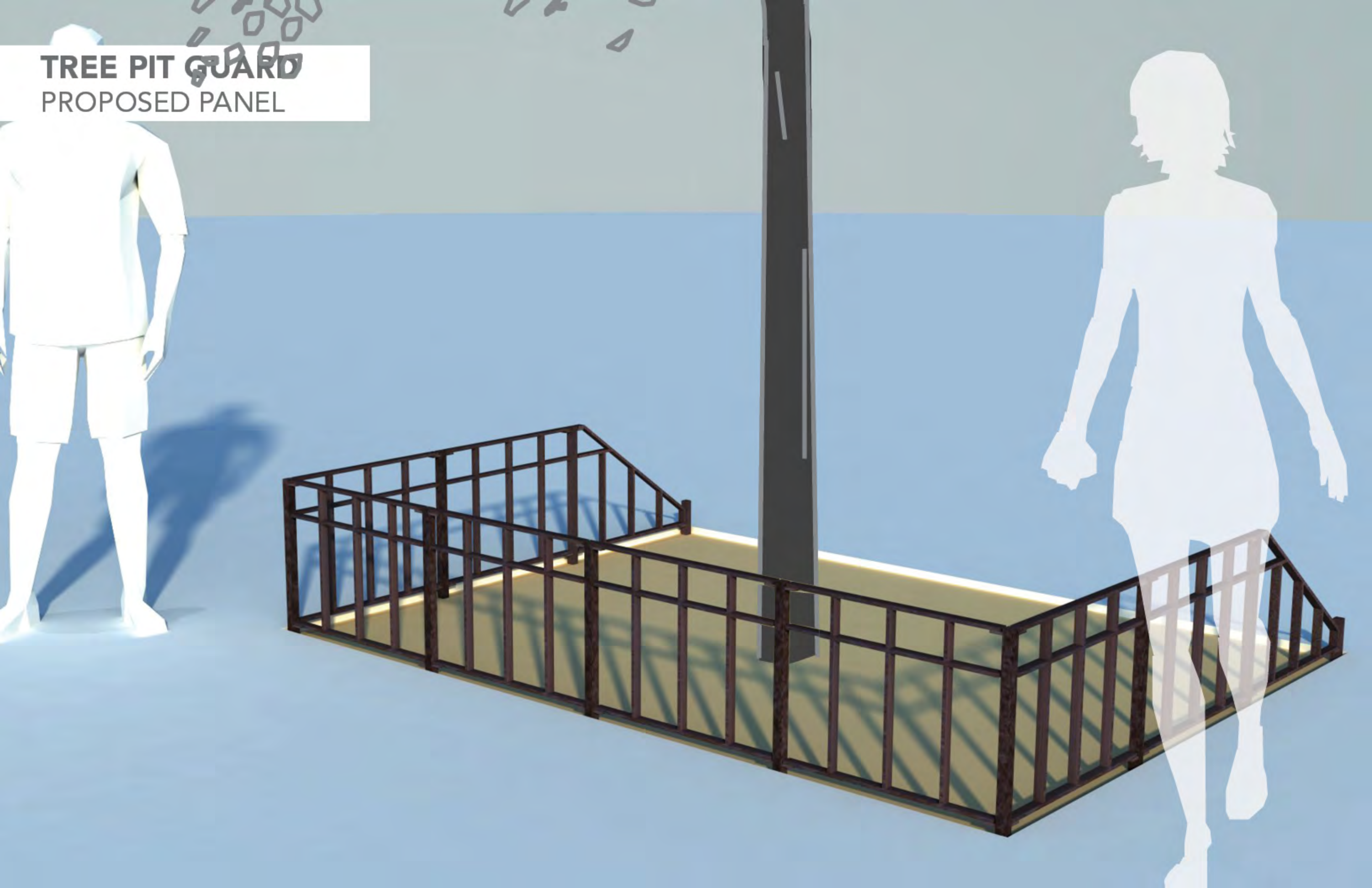
- TRASH CANS
- BIKE RACKS
- BOLLARDS
- TREE PIT GUARDS**
- METAL DECKING

TREE PIT GUARD
PROPOSED PANEL



TREE PIT GUARD

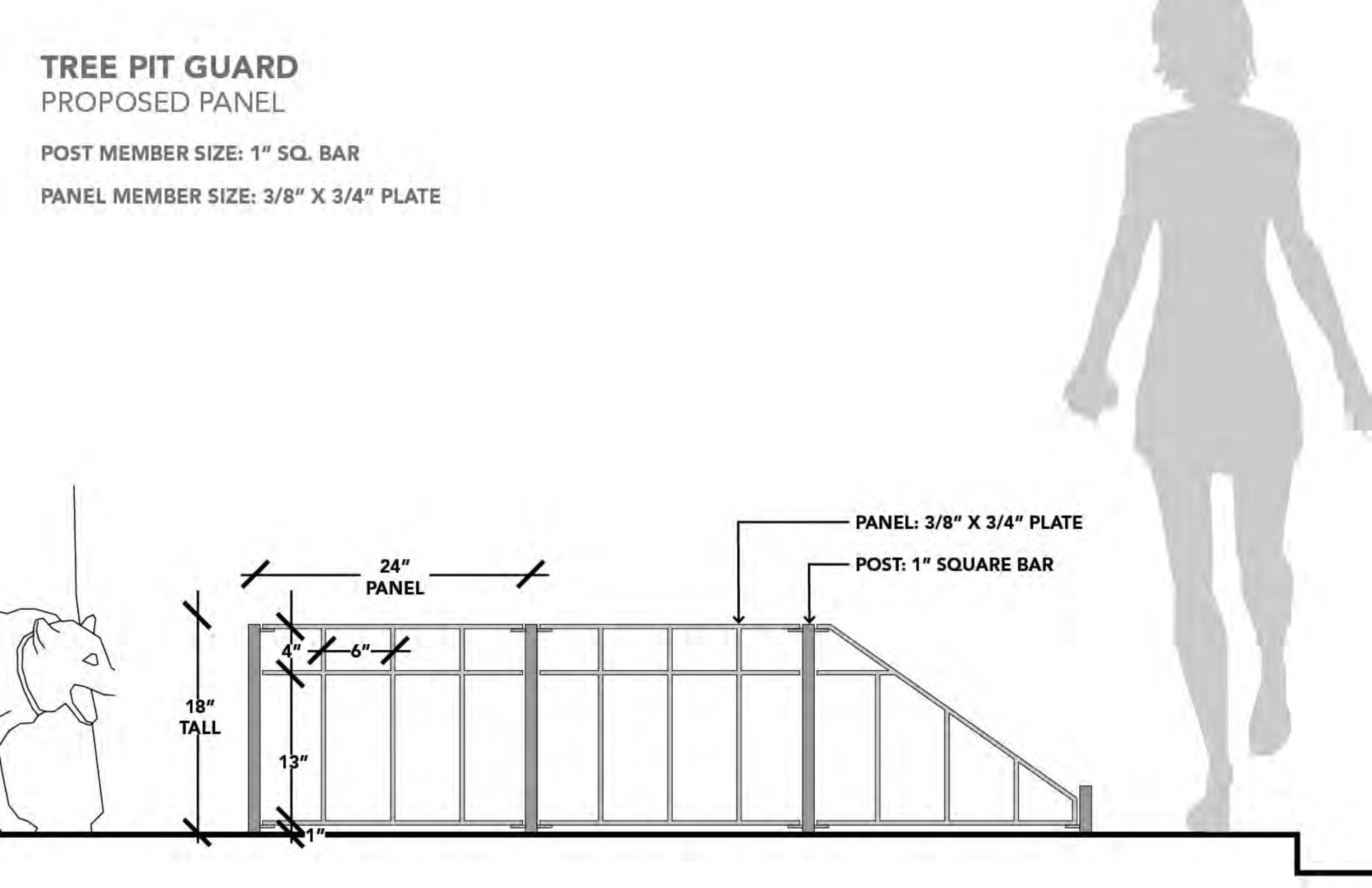
PROPOSED PANEL



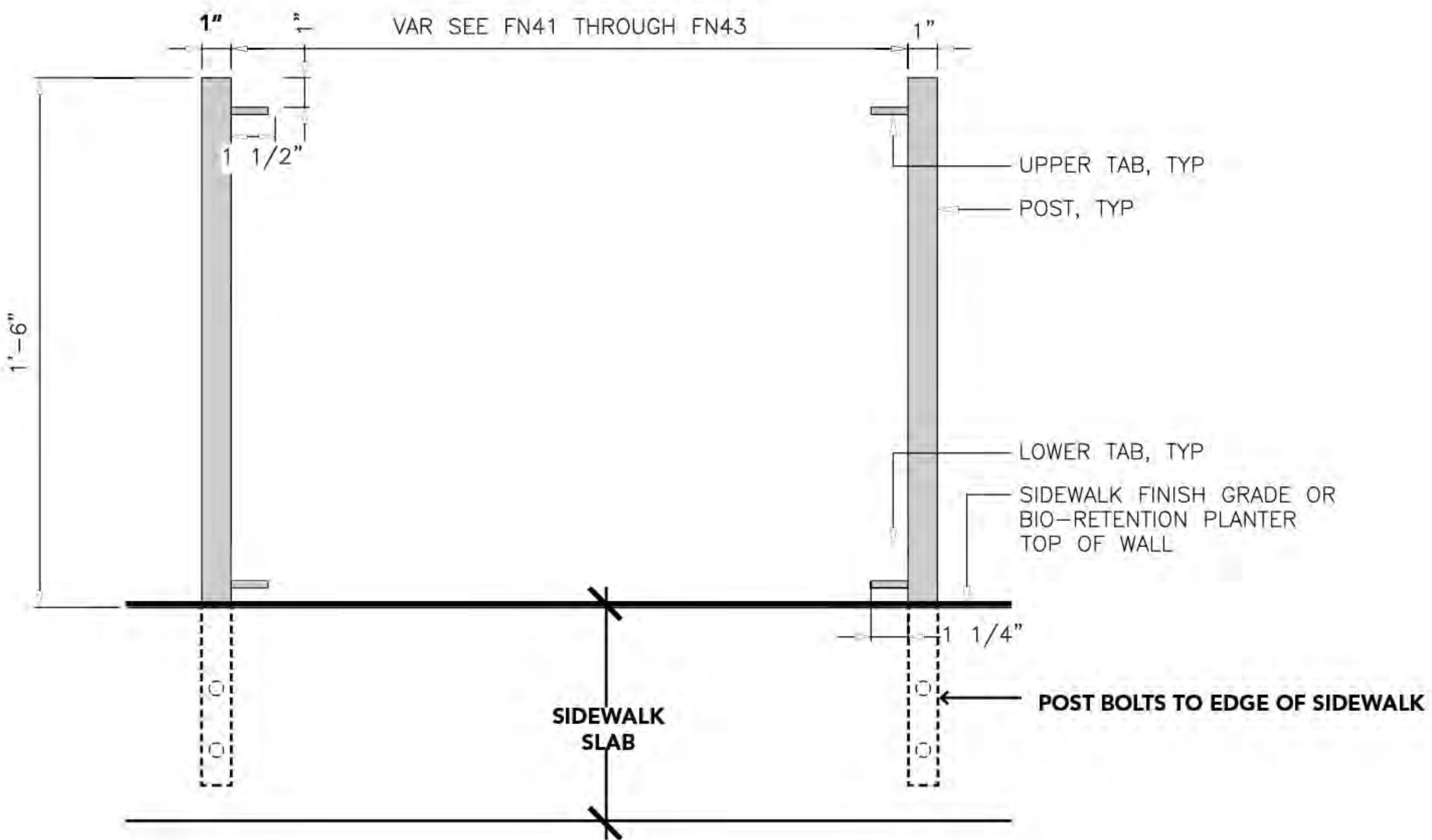
TREE PIT GUARD
PROPOSED PANEL

POST MEMBER SIZE: 1" SQ. BAR

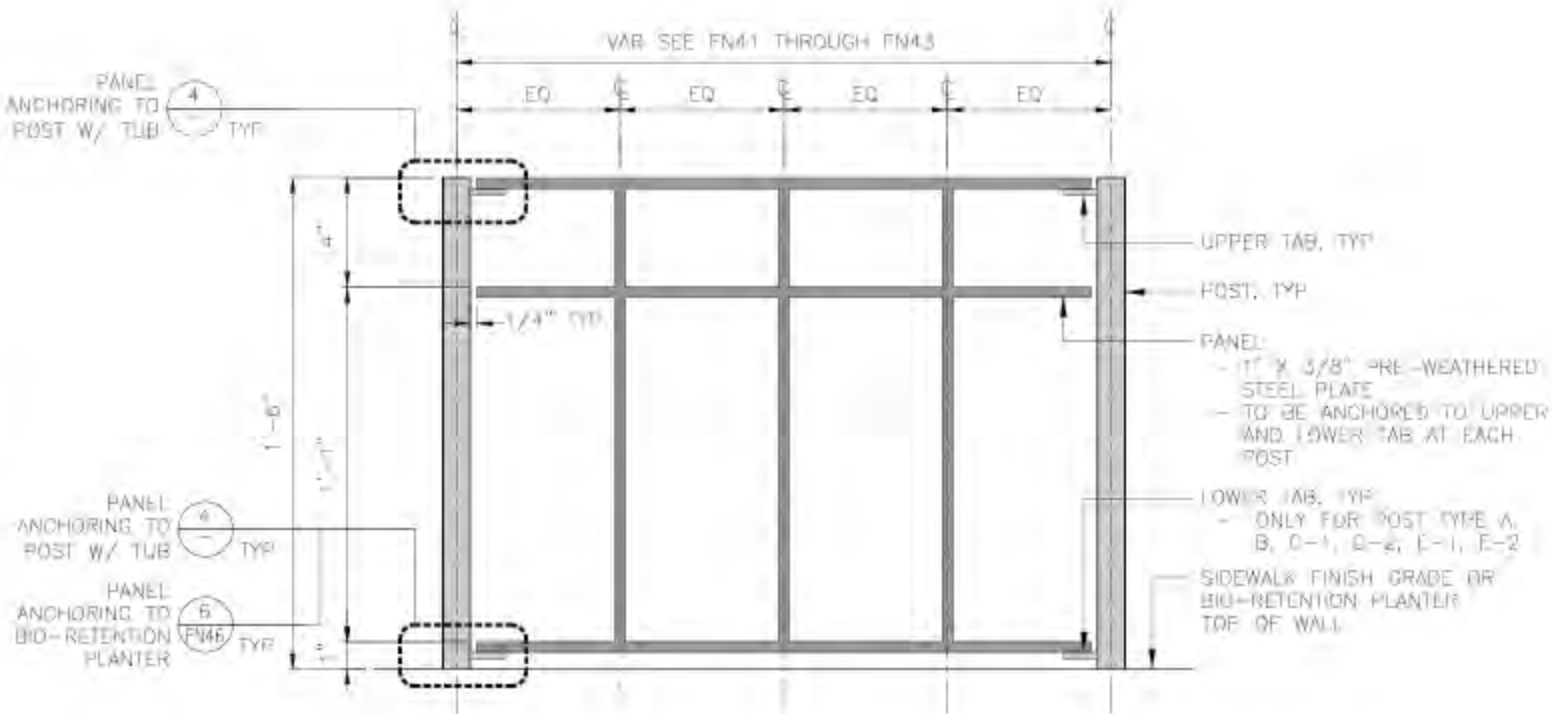
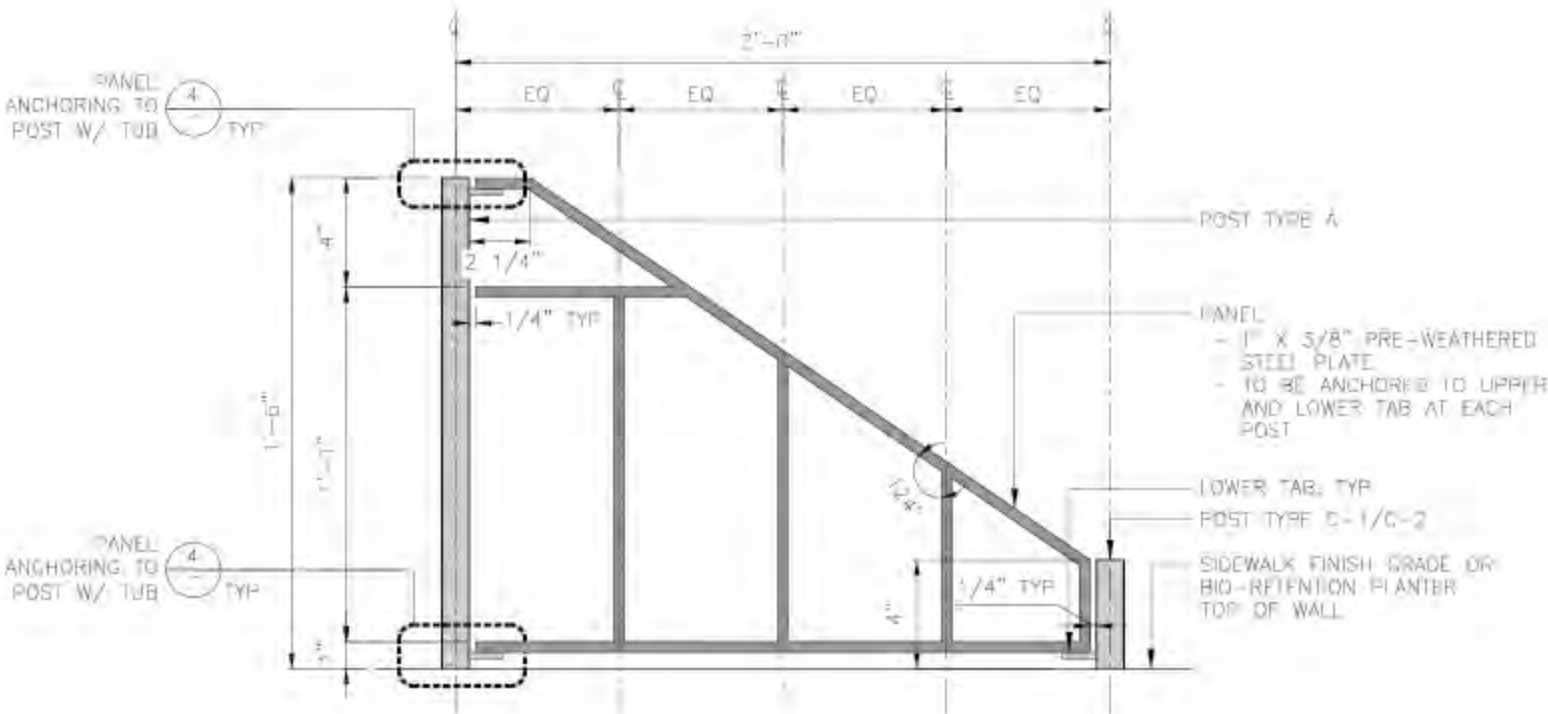
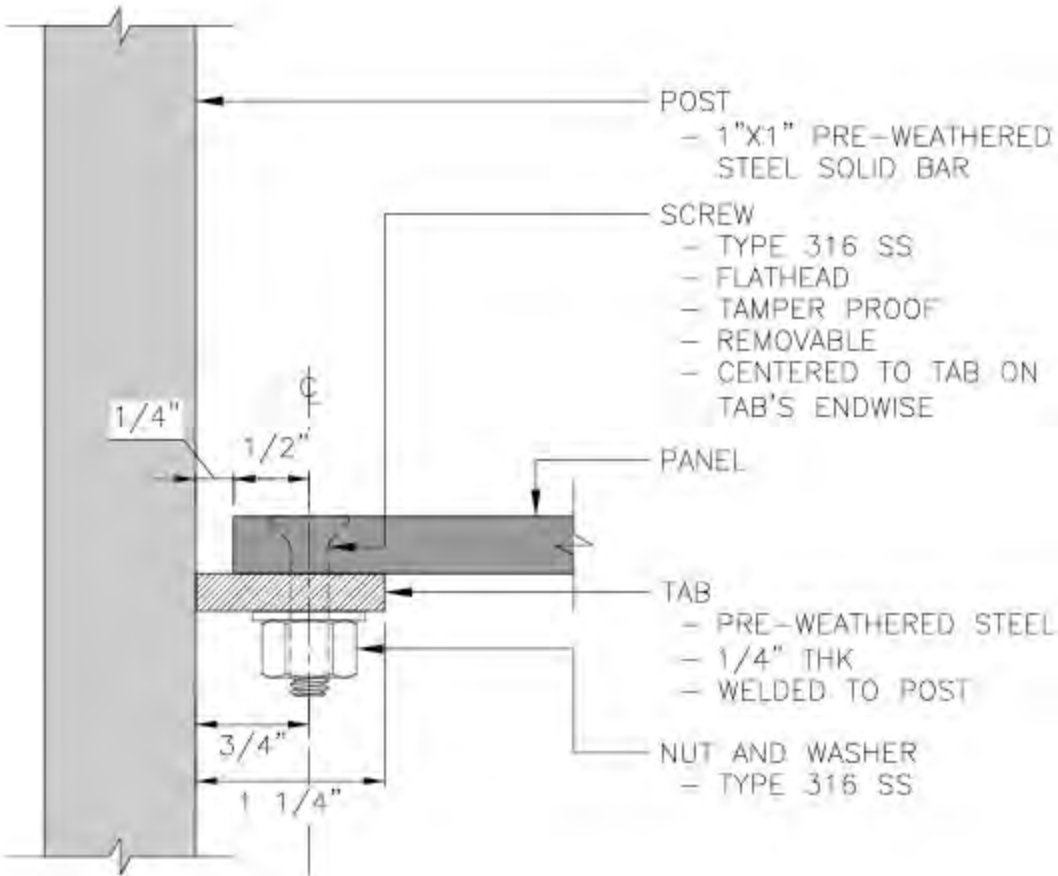
PANEL MEMBER SIZE: 3/8" X 3/4" PLATE



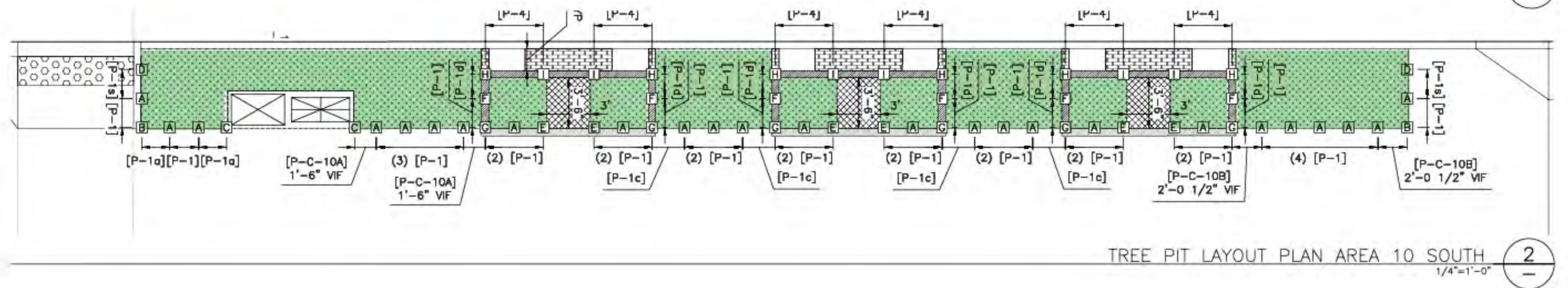
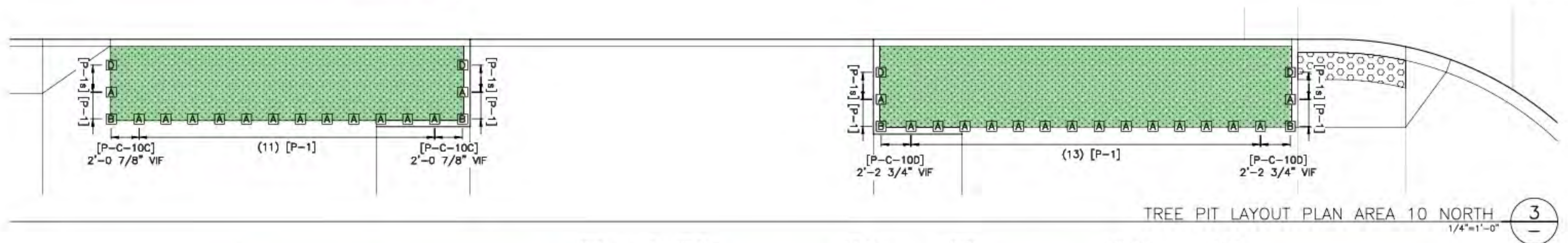
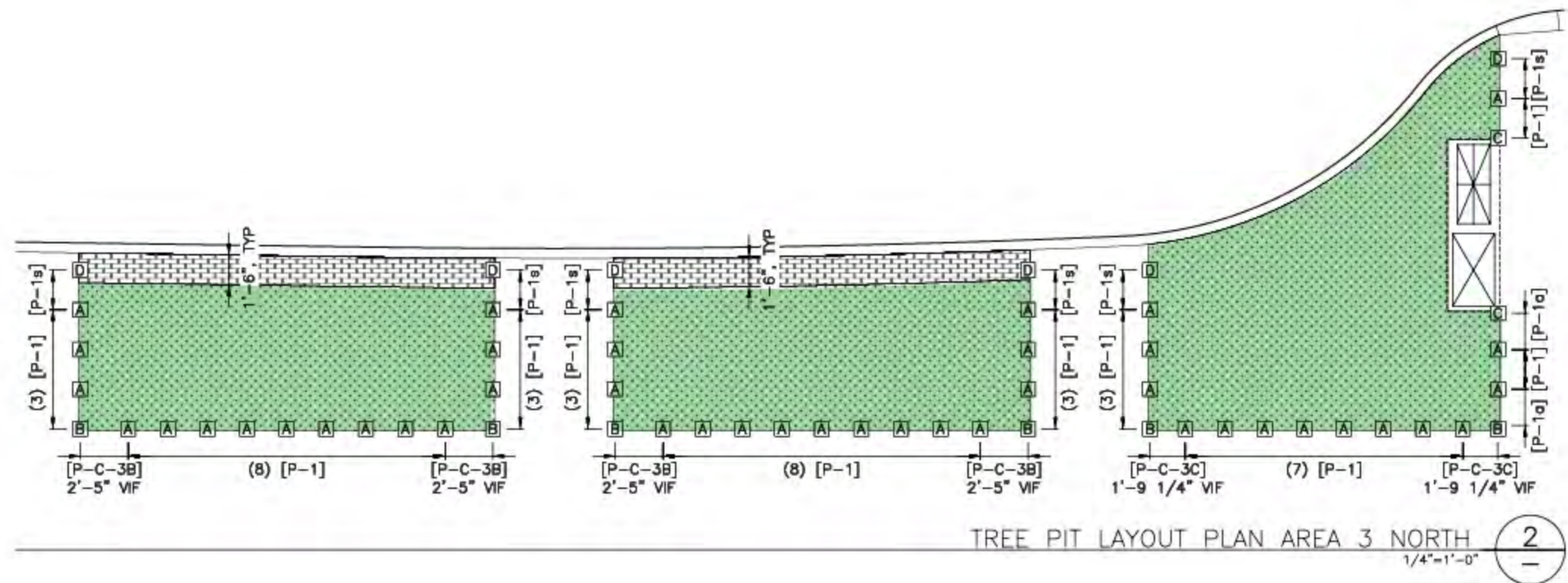
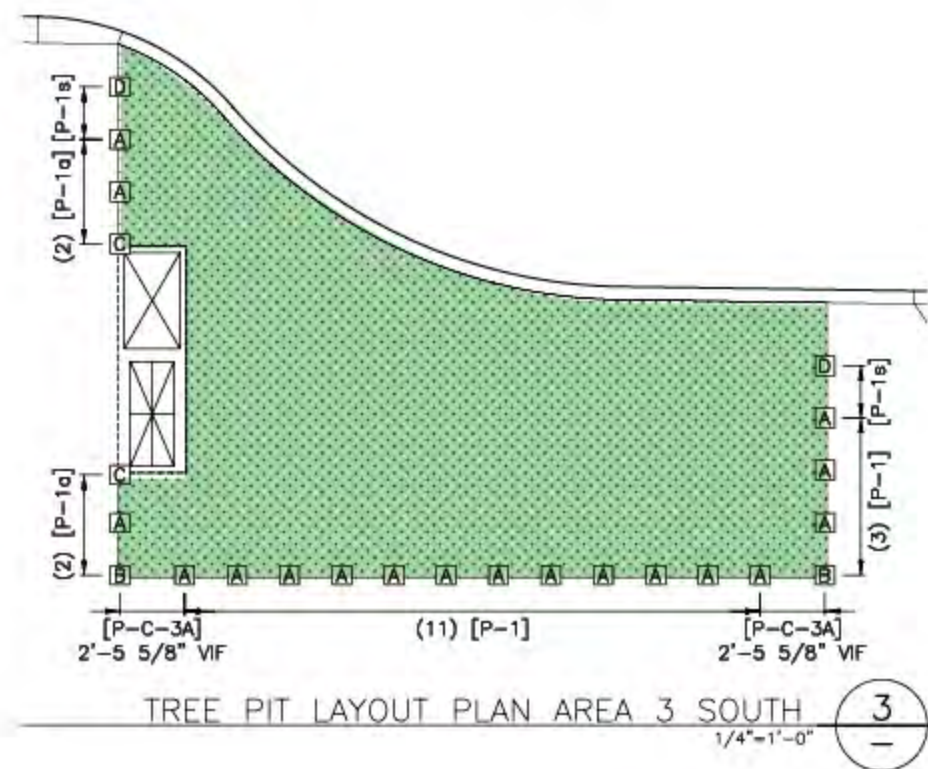
TREE PIT GUARD
STANDARD POSTS



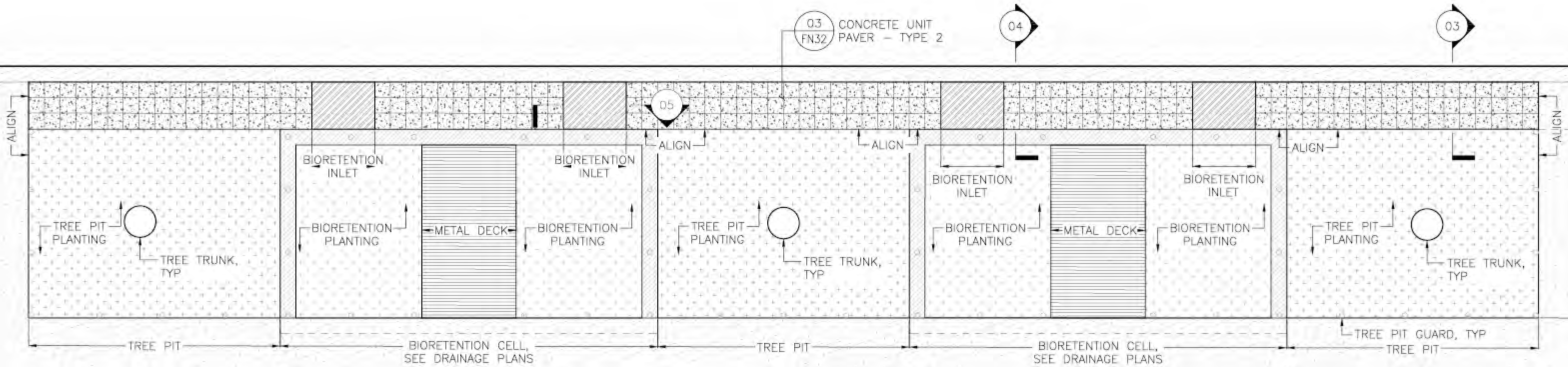
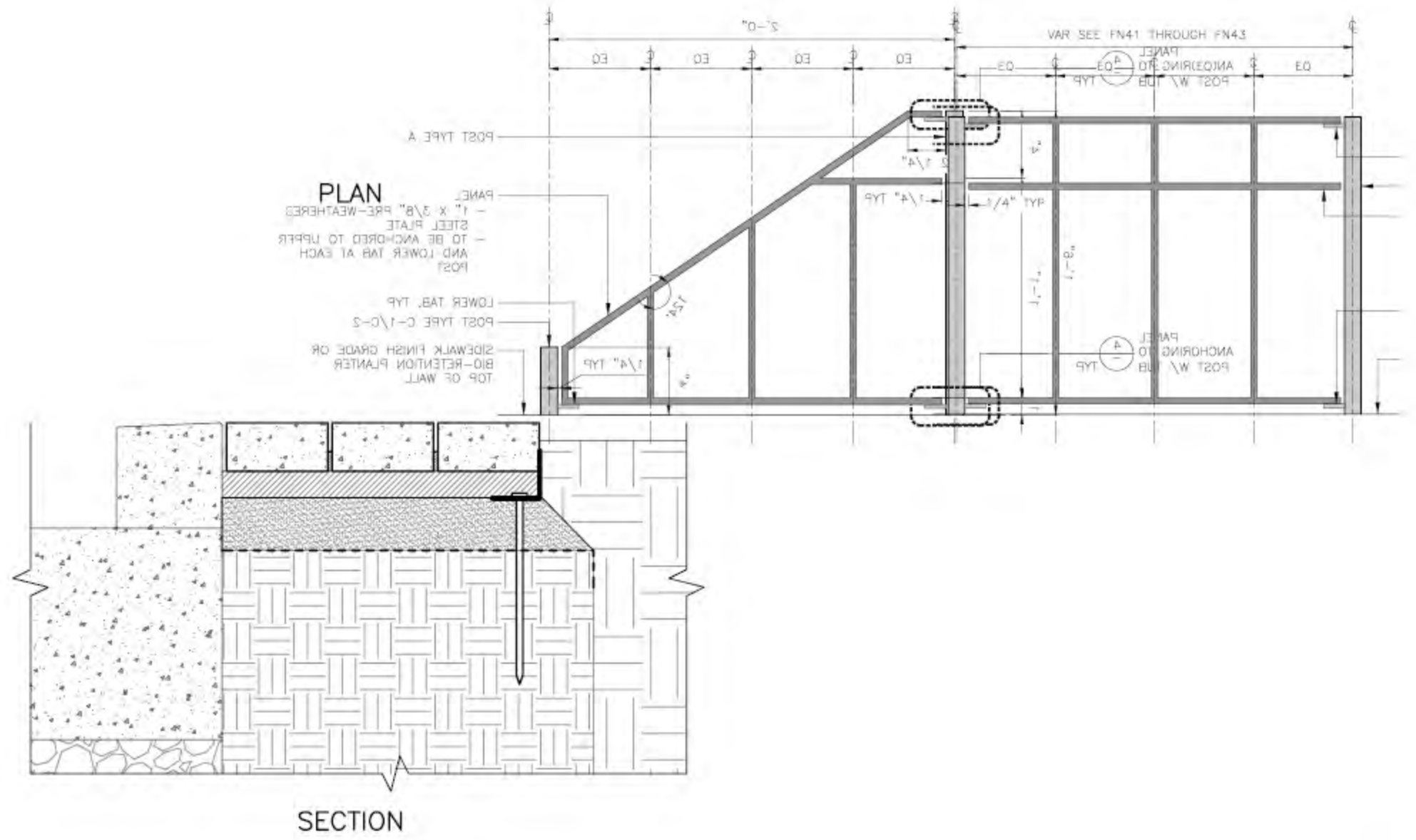
TREE PIT GUARD DETAILS



TREE PIT GUARDS SIZES

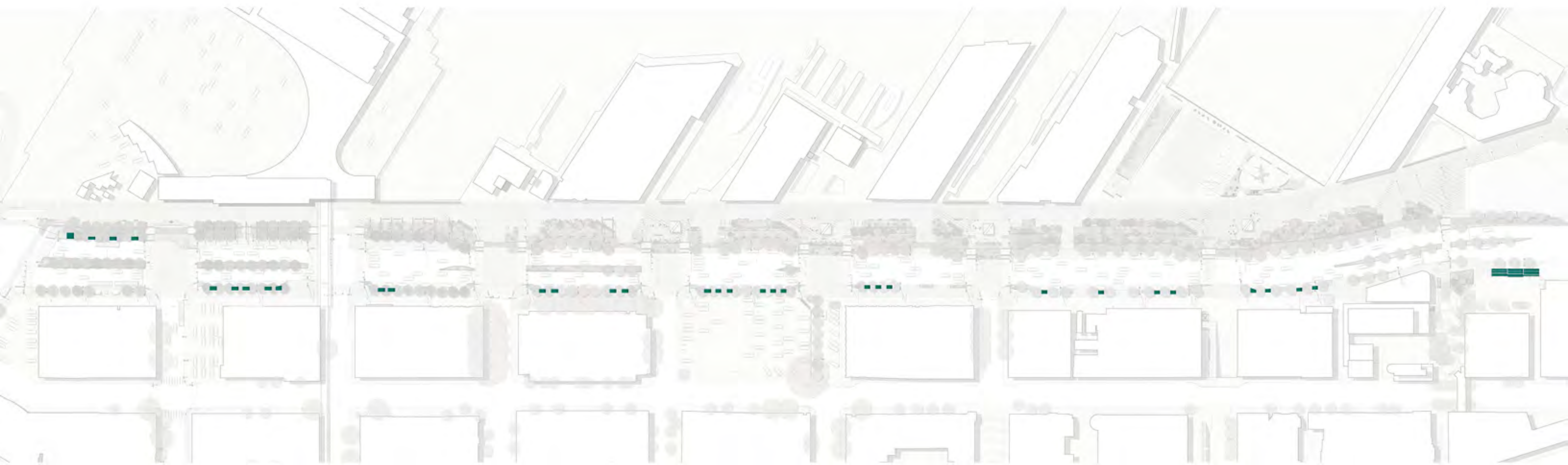


TREE PIT GUARD
TREE PIT ZONE



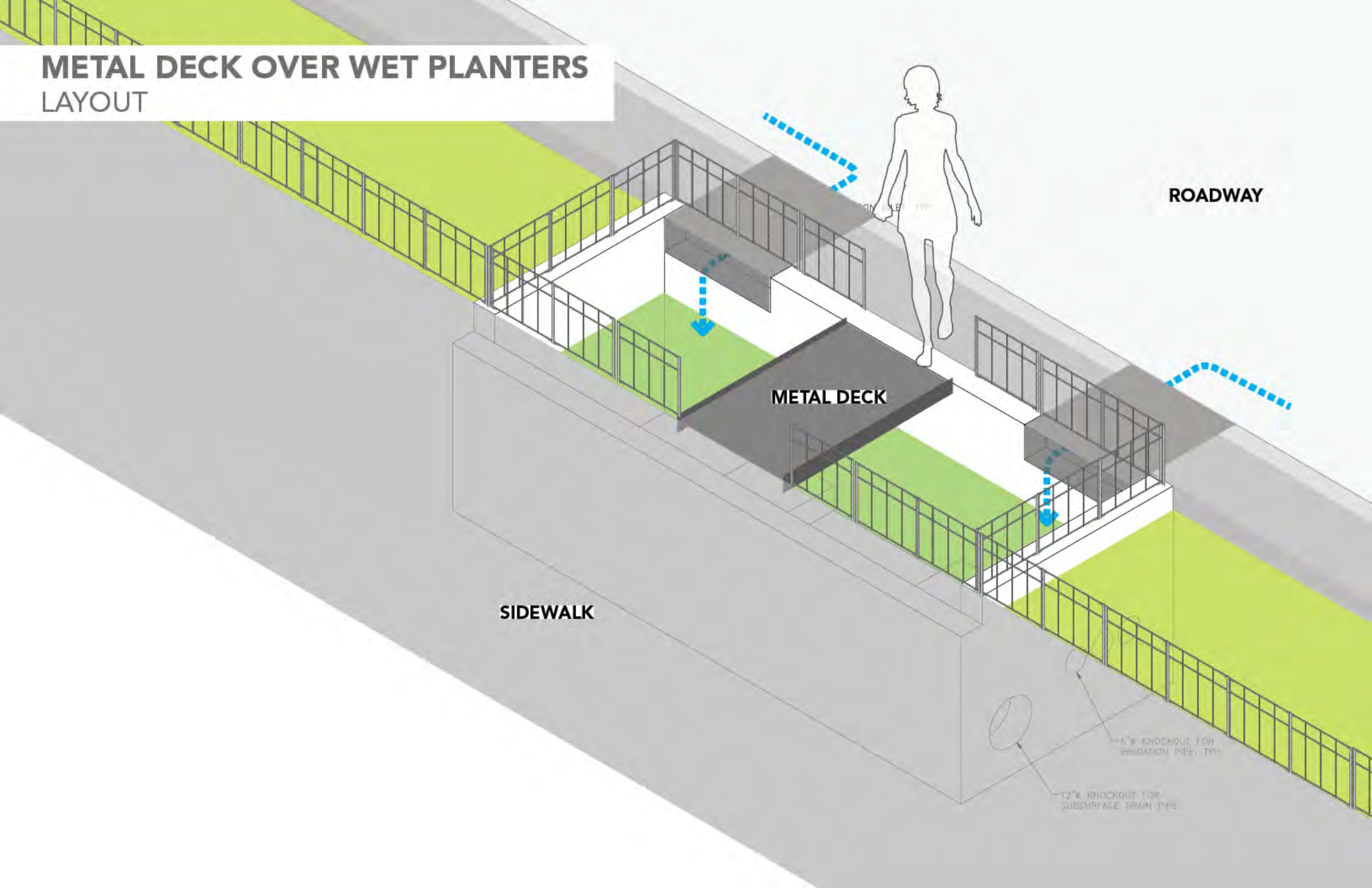
FURNISHING

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

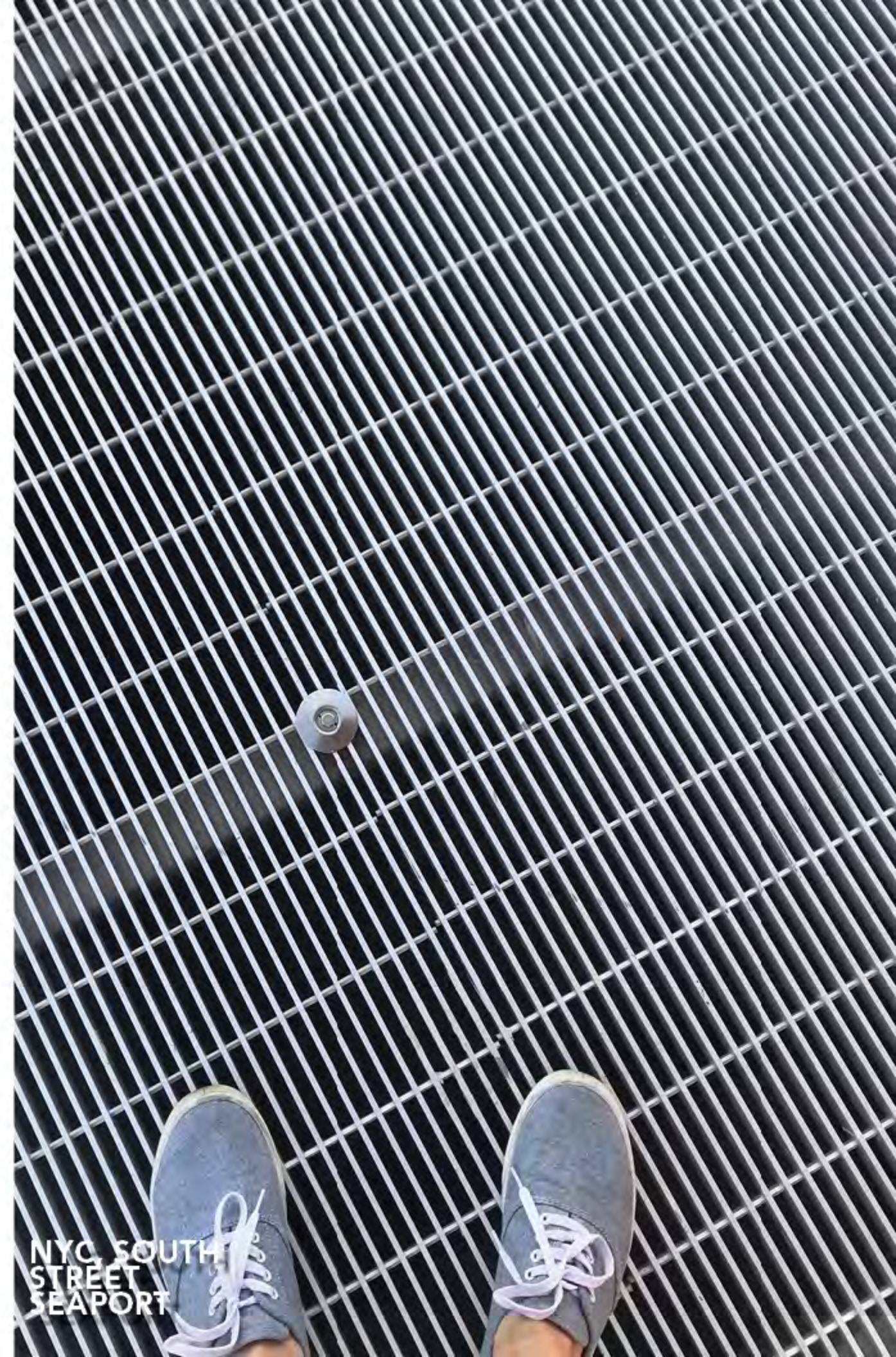
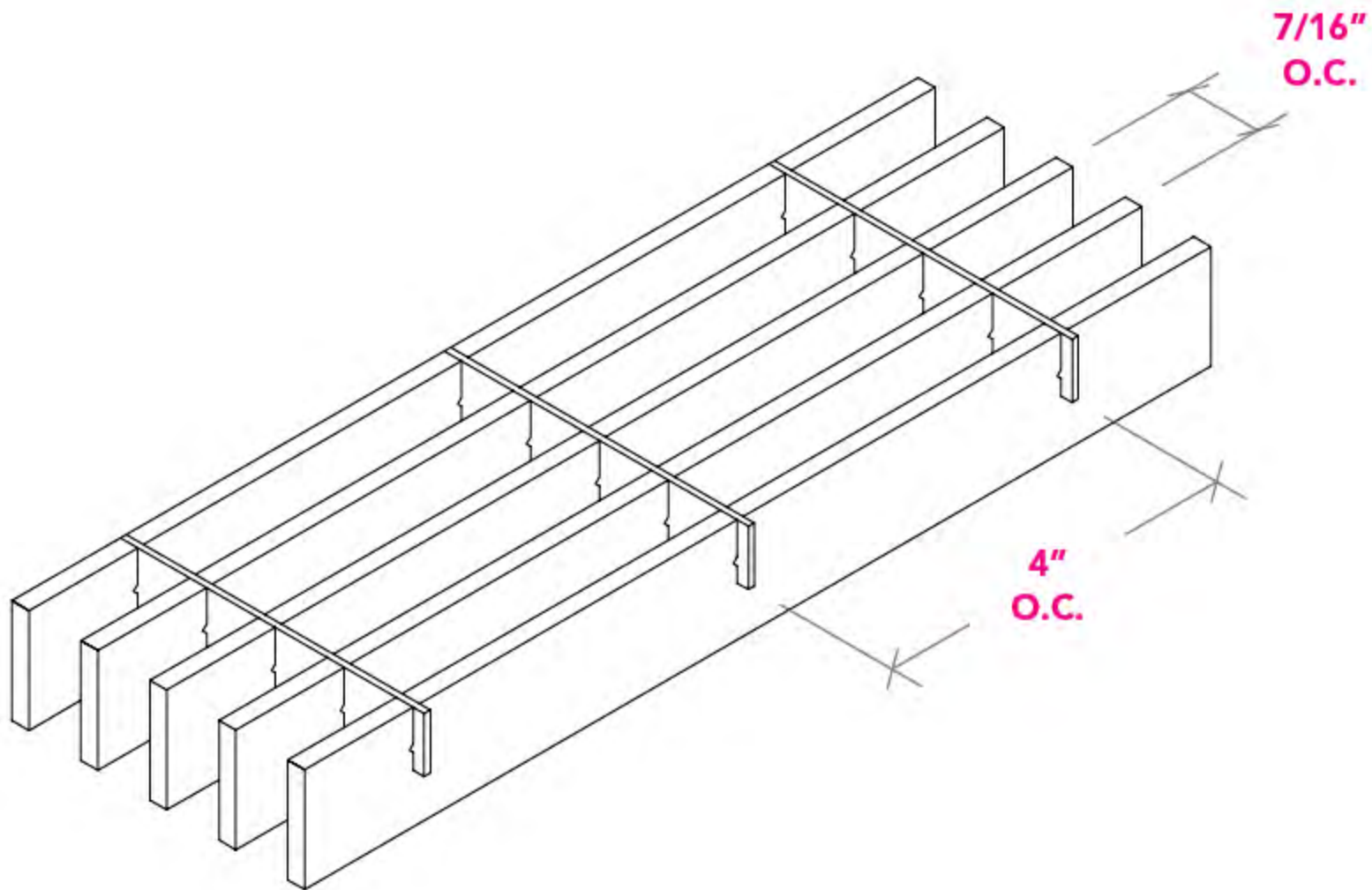


METAL DECK OVER WET PLANTERS

MATERIAL

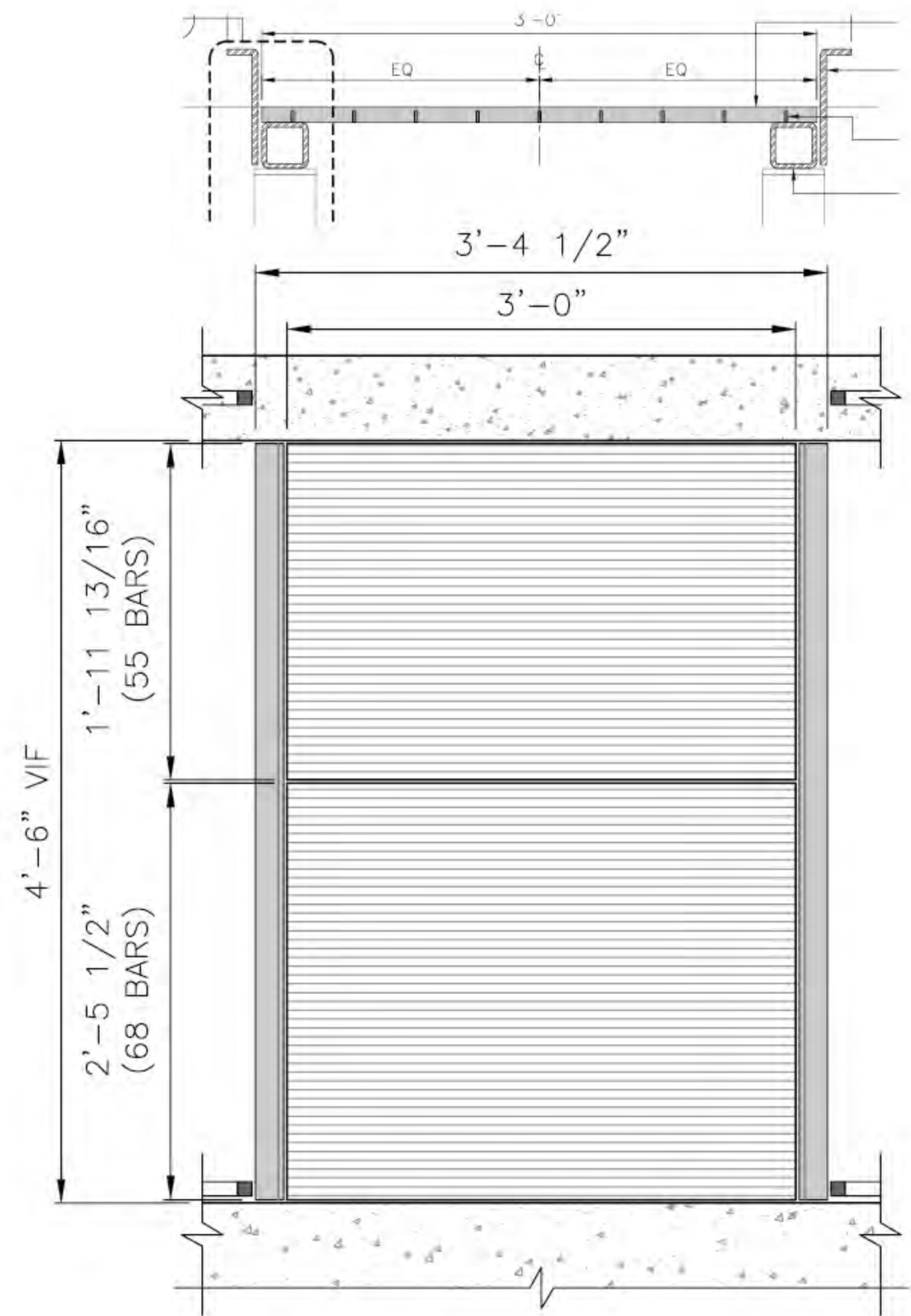
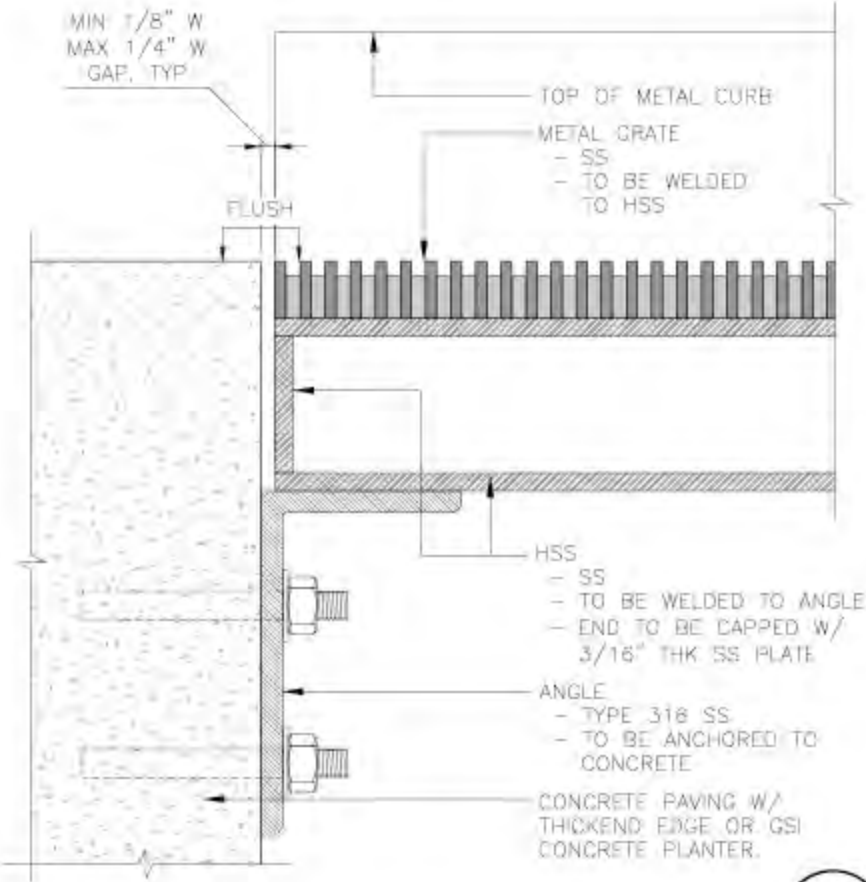
REQUIREMENTS:

- ADA COMPLIANT
- SLIP RESISTANT



METAL DECK OVER WET PLANTERS

DETAILS



FURNISHING
PALETTE



WATERFRONT RAILING



BENCH



STEEL EDGING



BOARDWALK



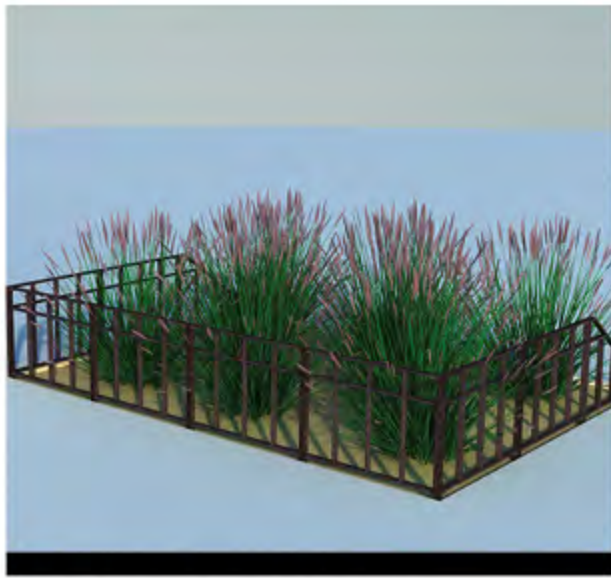
DRINKING FOUNTAIN



BIKE RACKS



BOLLARD



TREE PIT GUARD

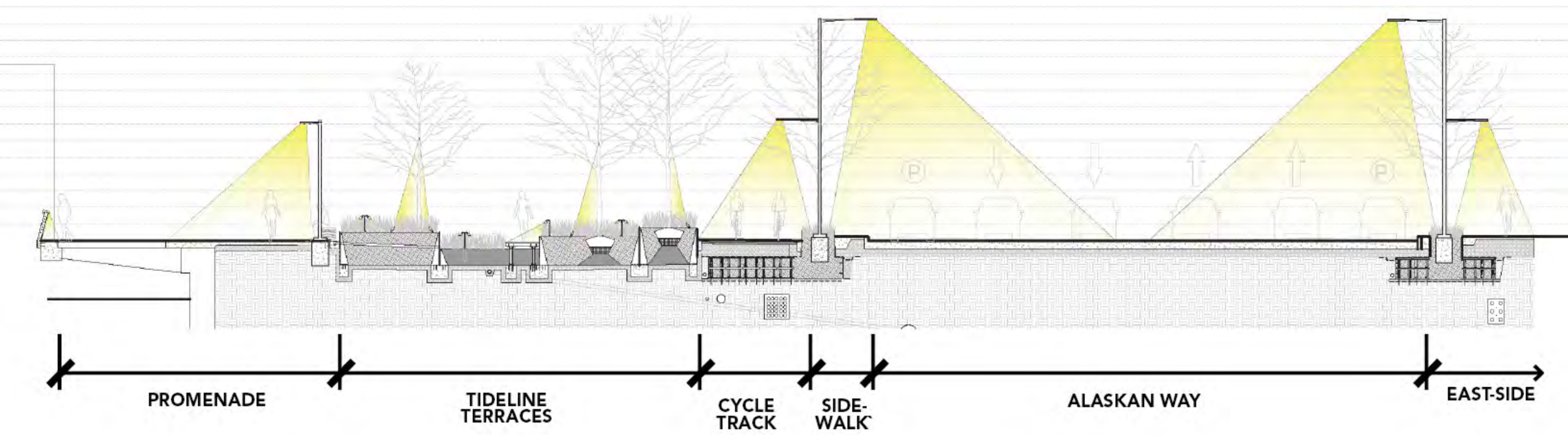


METAL DECK

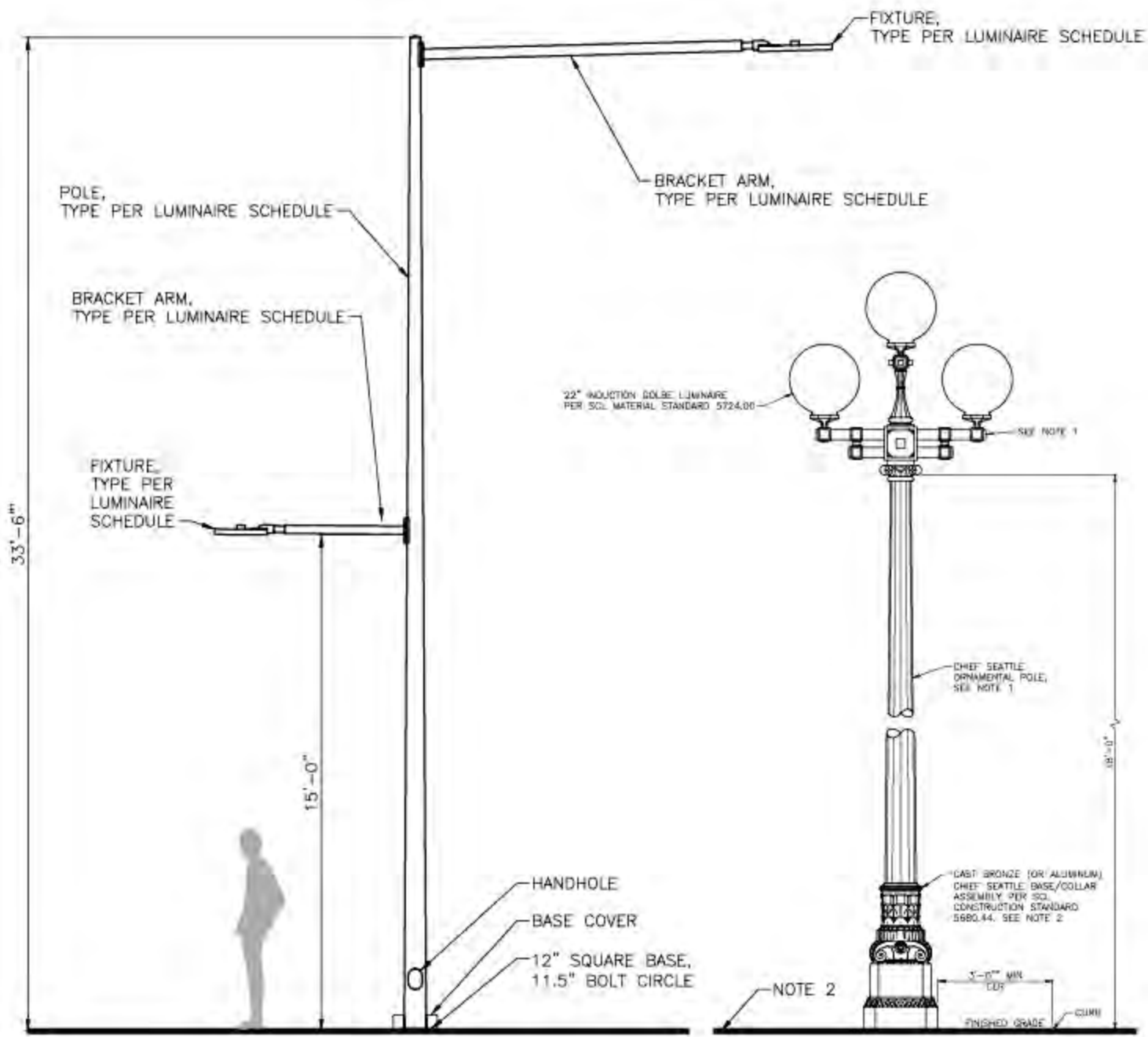
CONTINUOUS ELEMENTS

LIGHTING

LIGHTING
CONTINUOUS ELEMENTS



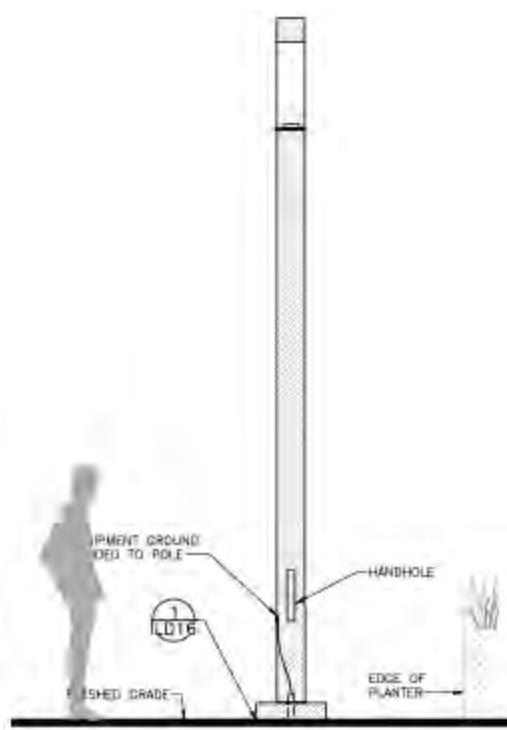
LIGHTING PALETTE



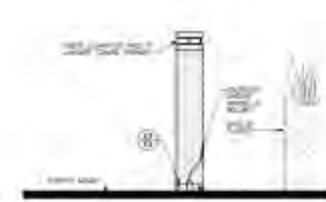
HI-LOW STREET LIGHT



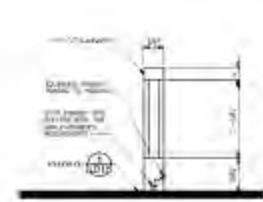
TRI-GLOBE



PROMENADE
COLUMN LIGHT



PROMENADE
BOLLARD LIGHT



GARDEN
LIGHT



TREE
UP-LIGHT

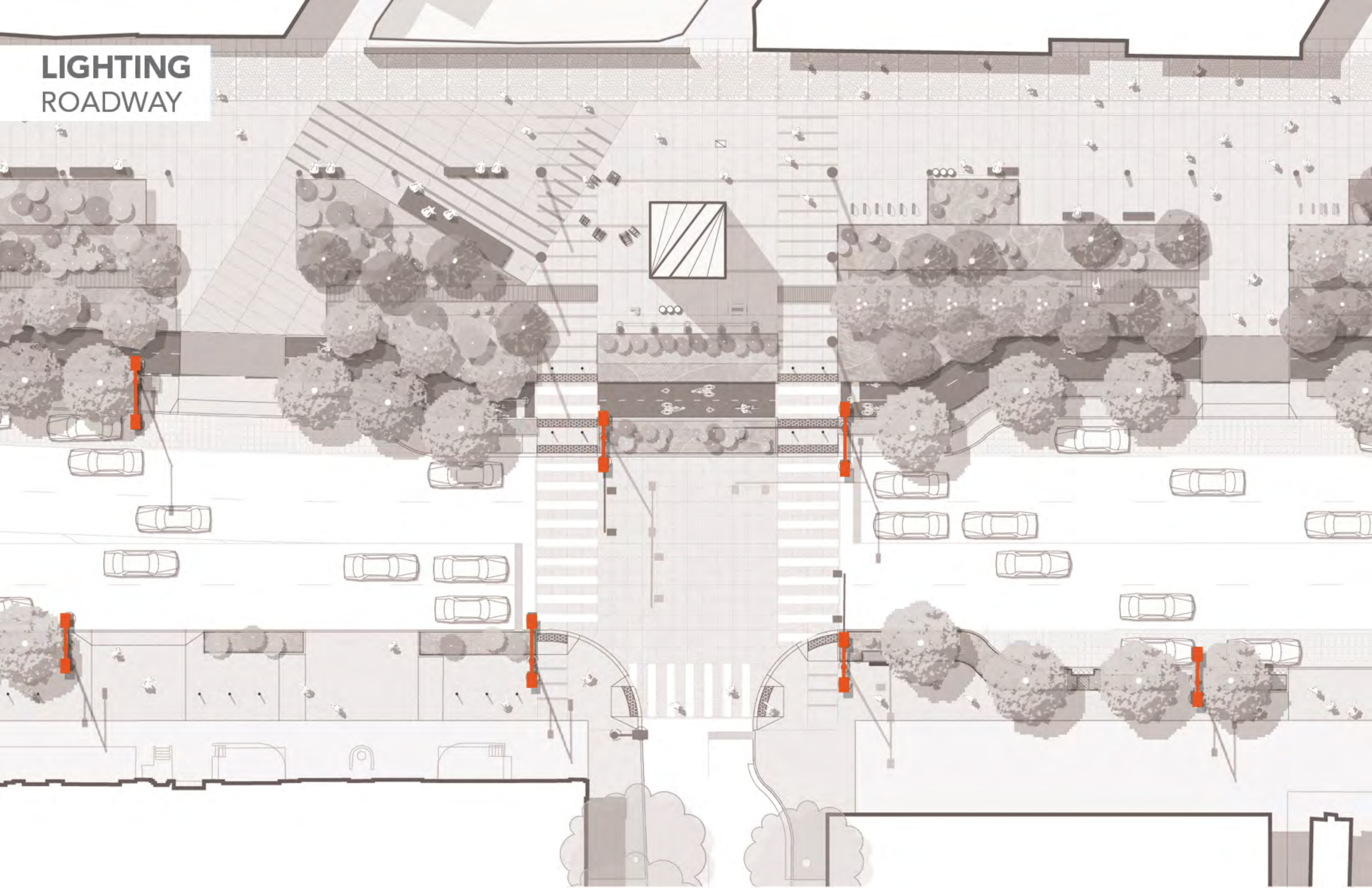


LIGHTING
ROADWAY



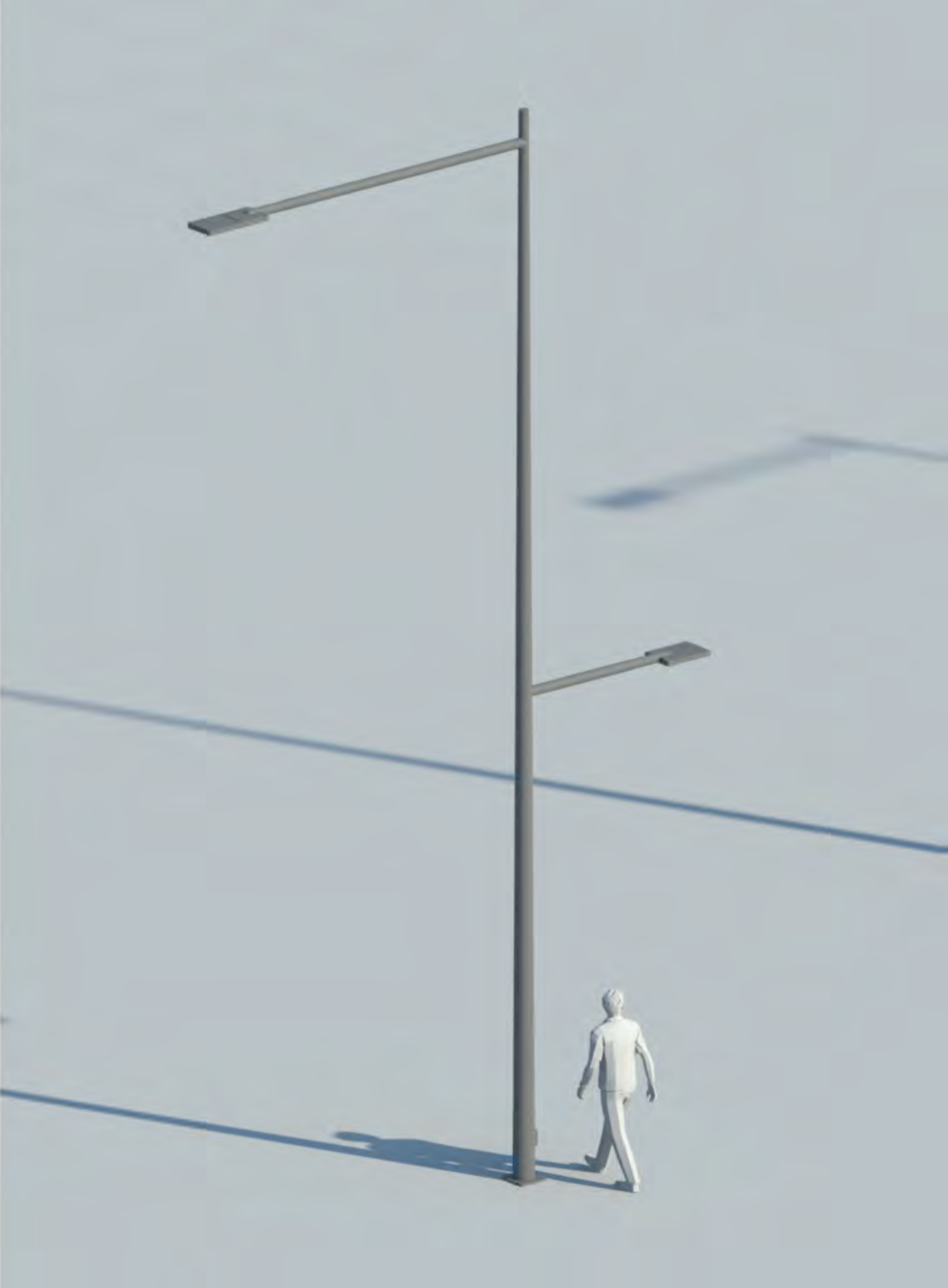
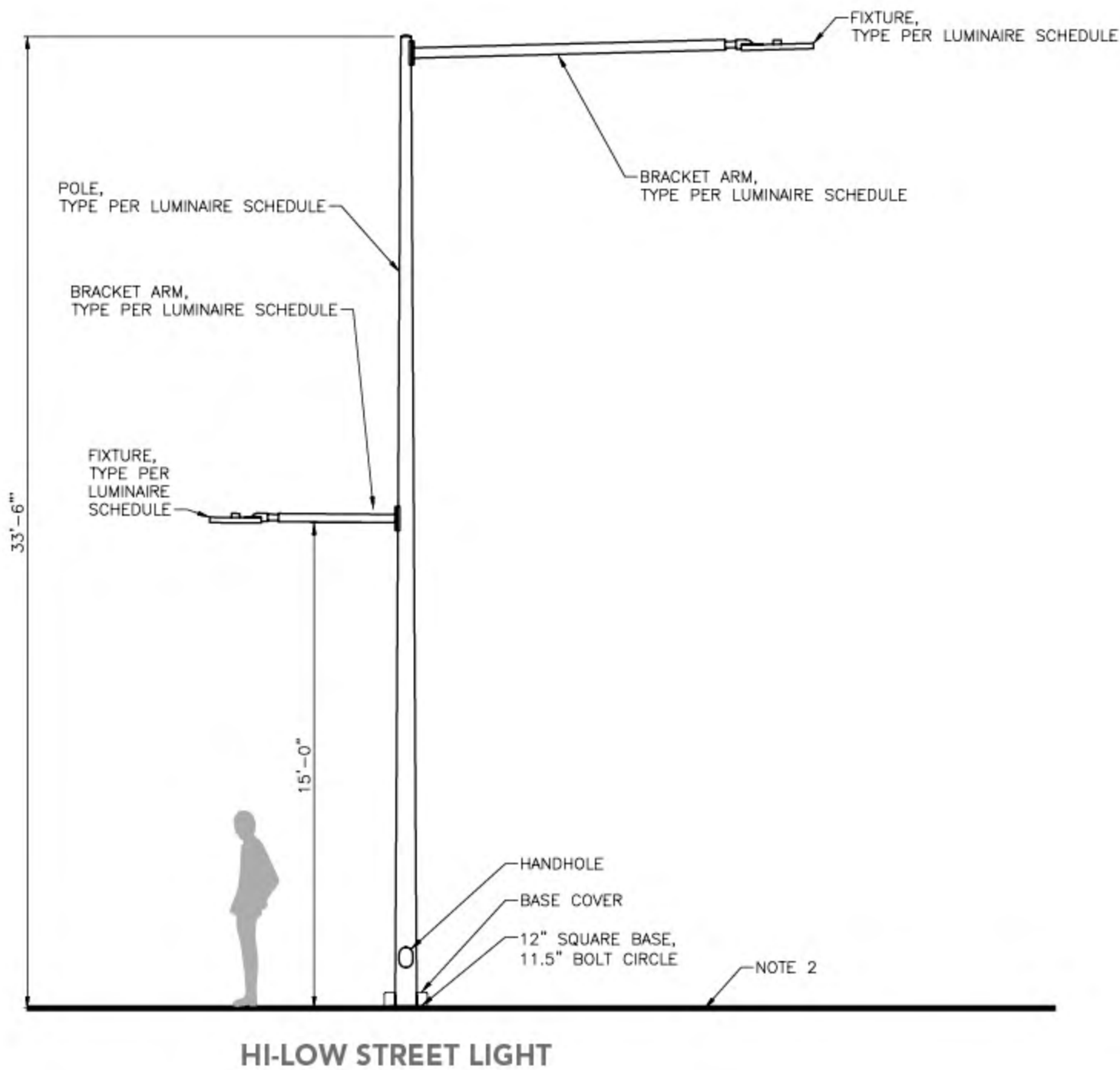
-  ROADWAY LIGHTING
-  PIONEER SQUARE TRI-GLOBES
-  PROMENADE POLE
-  PROMENADE BOLLARD
-  TREE UP LIGHTS
-  GARDEN LIGHTS
-  BOARDWALK

LIGHTING
ROADWAY



LIGHTING

ROADWAY: HIGH-LOW



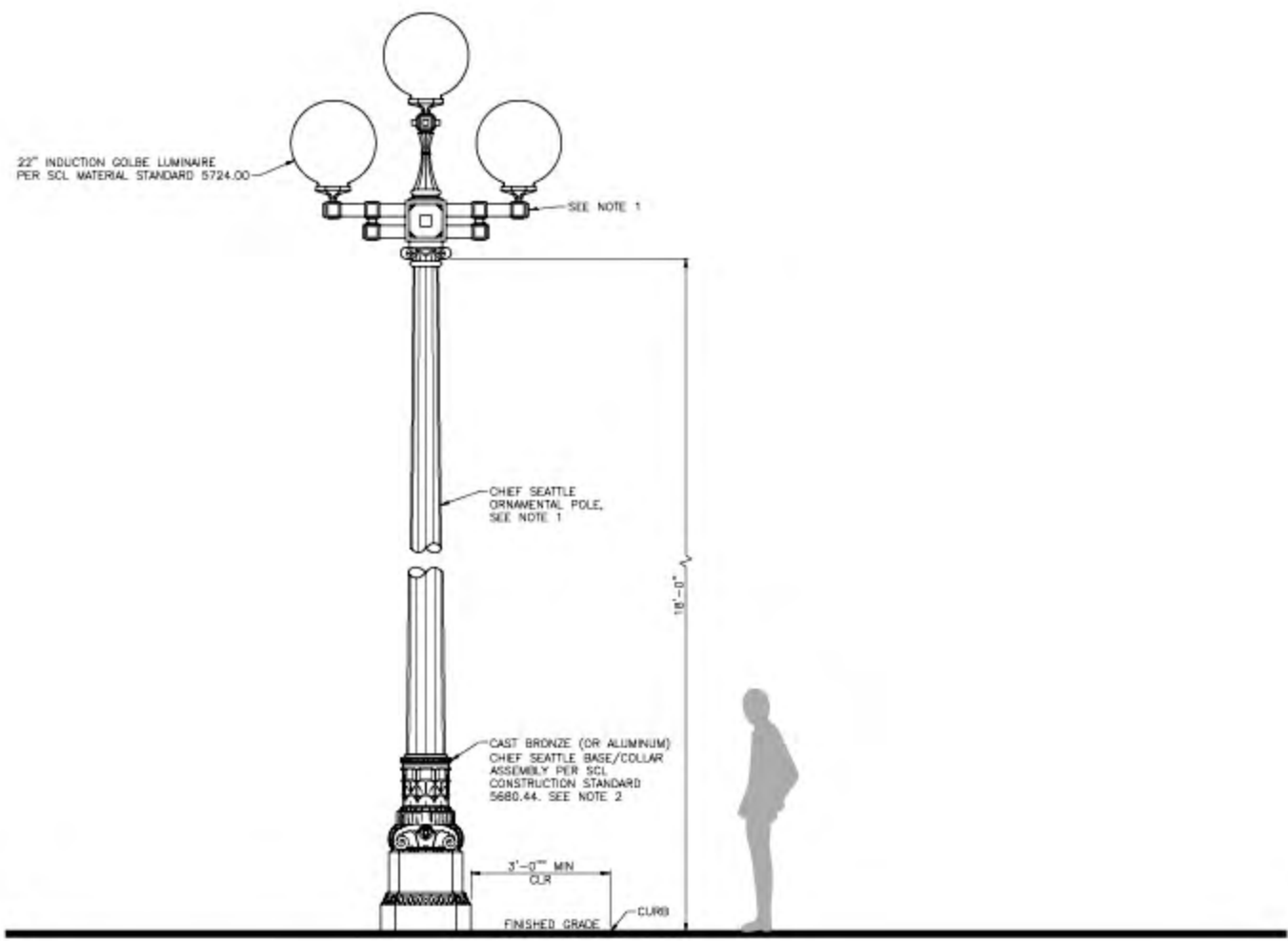
LIGHTING

PIONEER SQUARE TRI-GLOBES



LIGHTING

PIONEER SQUARE TRI-GLOBES



TRI-GLOBE



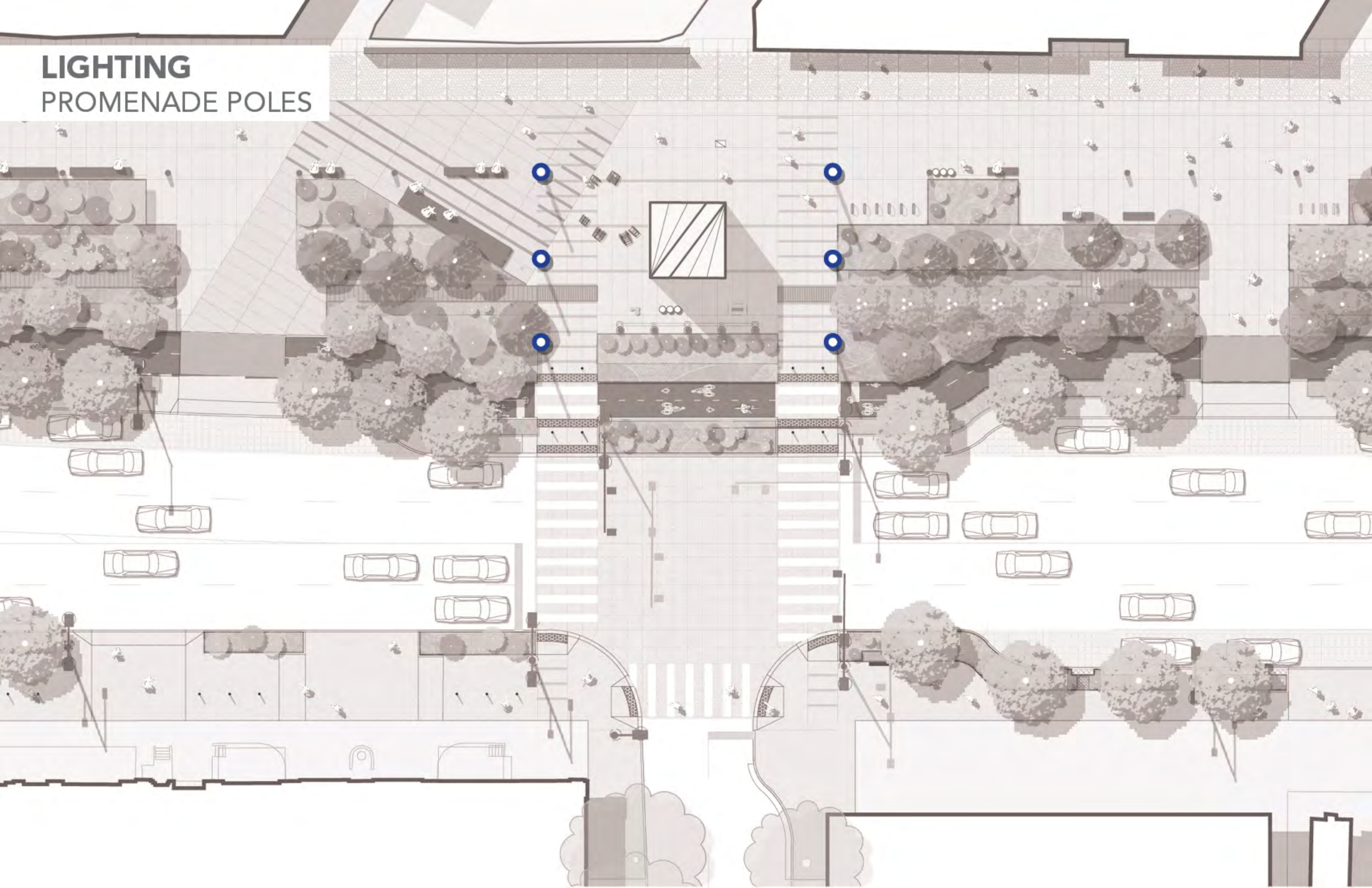
LIGHTING

PROMENADE POLES

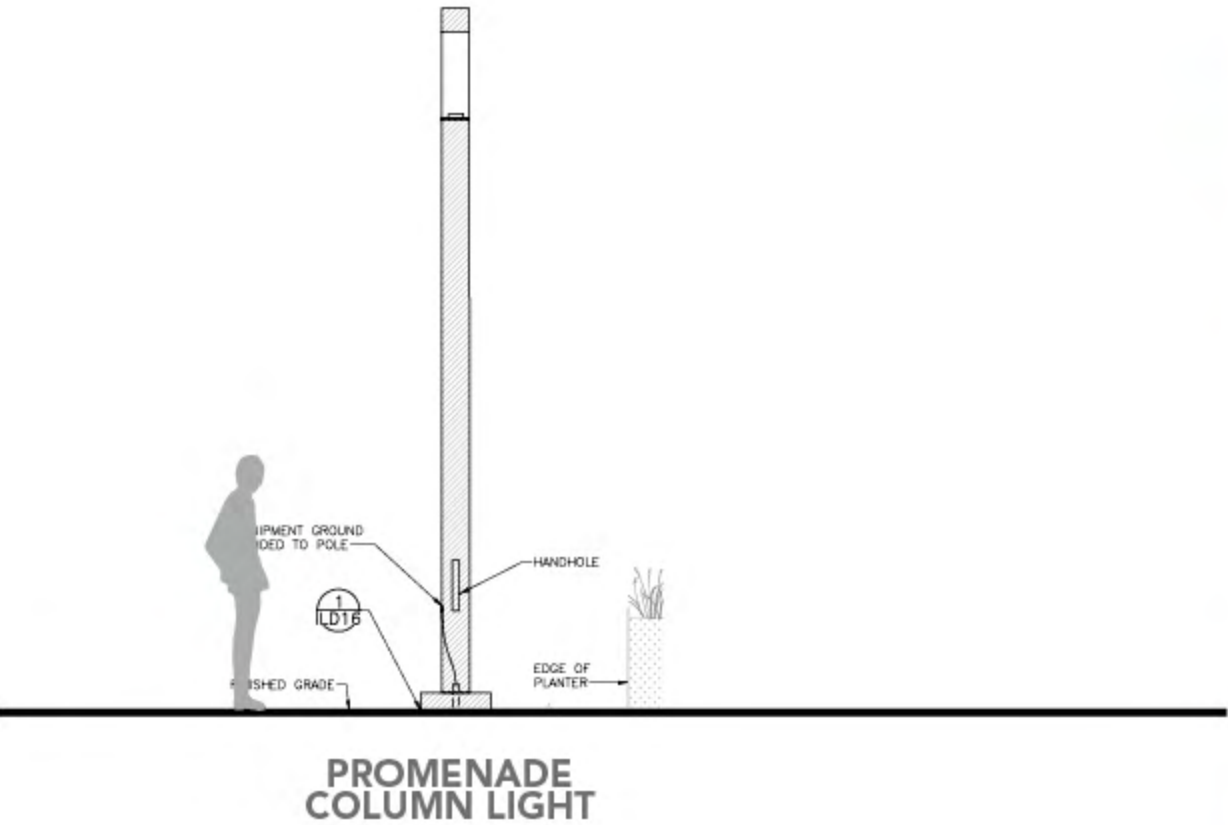


-  ROADWAY LIGHTING
-  PIONEER SQUARE TRI-GLOBES
-  **PROMENADE POLE**
-  PROMENADE BOLLARD
-  TREE UP LIGHTS
-  GARDEN LIGHTS
-  BOARDWALK

LIGHTING
PROMENADE POLES

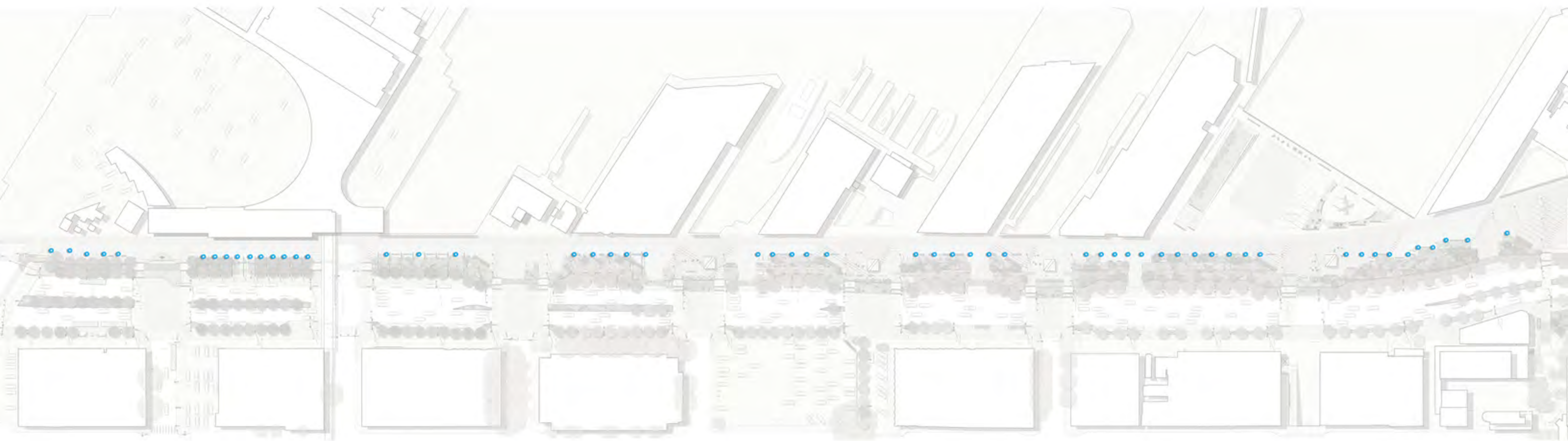


LIGHTING
PROMENADE POLES



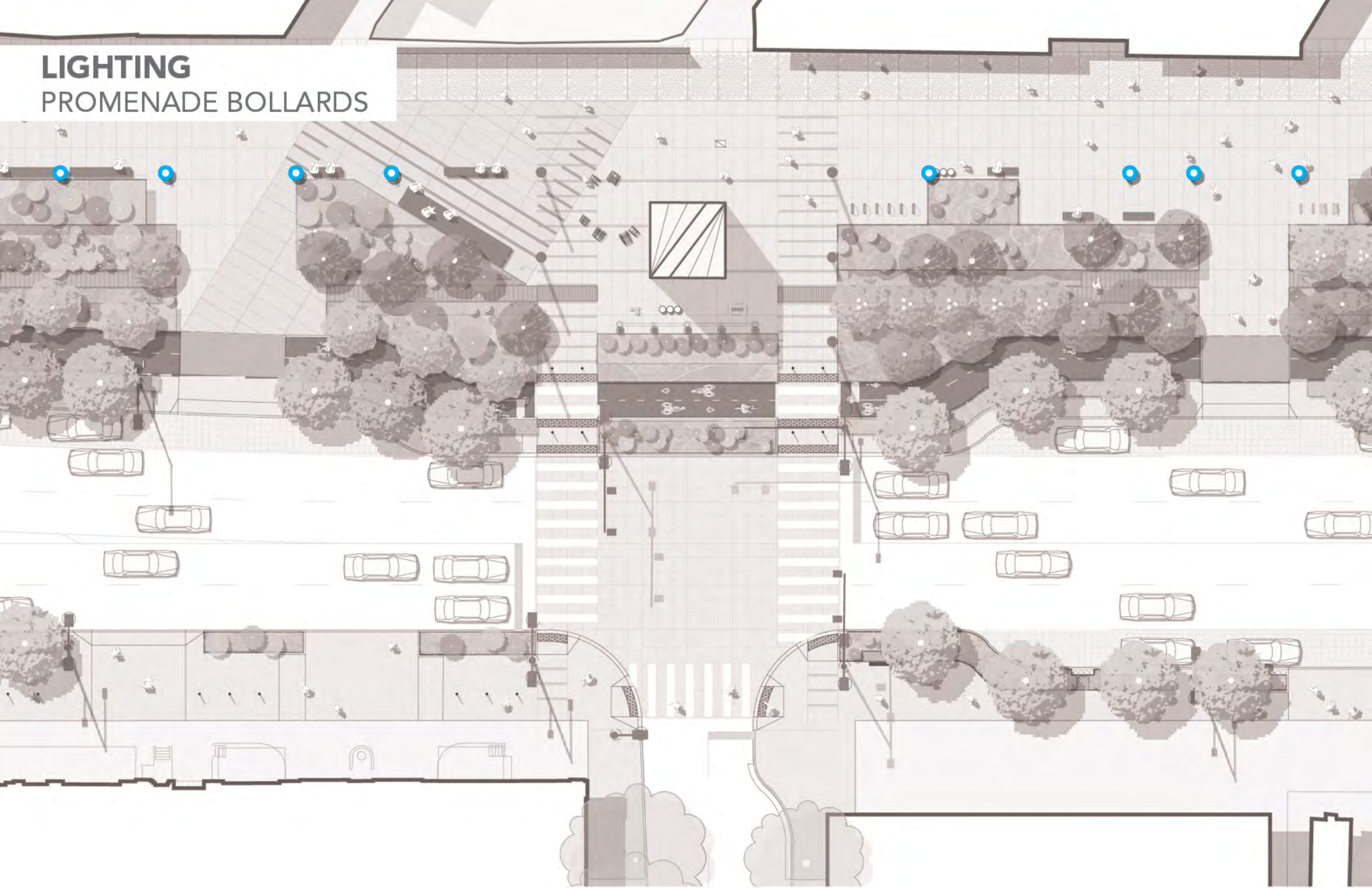
LIGHTING

PROMENADE BOLLARDS

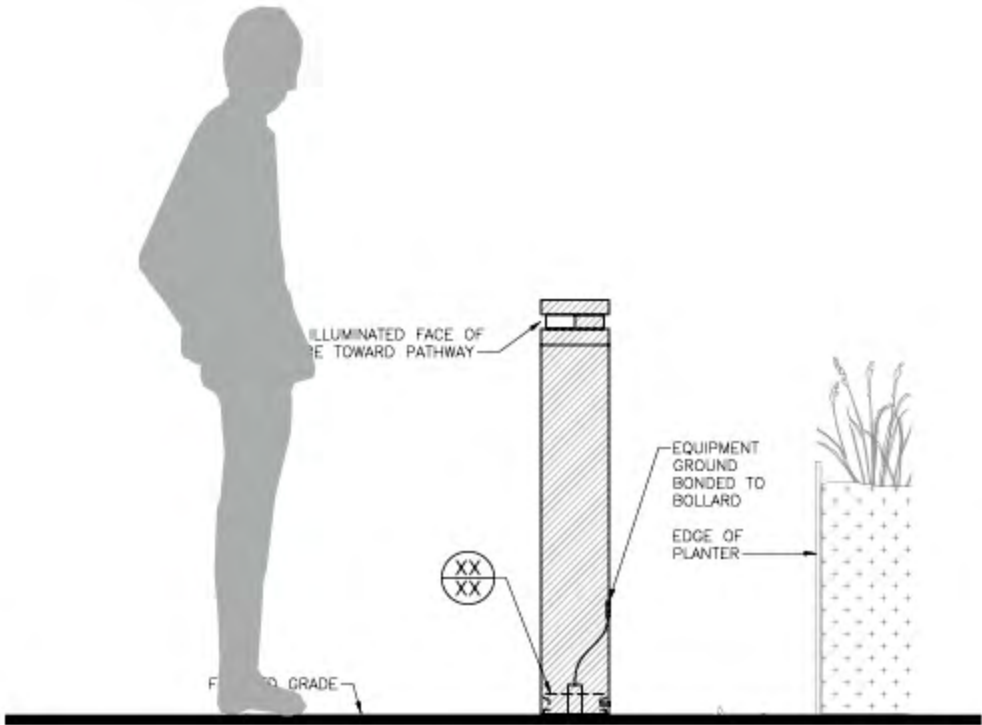


-  ROADWAY LIGHTING
-  PIONEER SQUARE TRI-GLOBES
-  PROMENADE POLE
-  **PROMENADE BOLLARD**
-  TREE UP LIGHTS
-  GARDEN LIGHTS
-  BOARDWALK

LIGHTING
PROMENADE BOLLARDS



LIGHTING
PROMENADE BOLLARDS

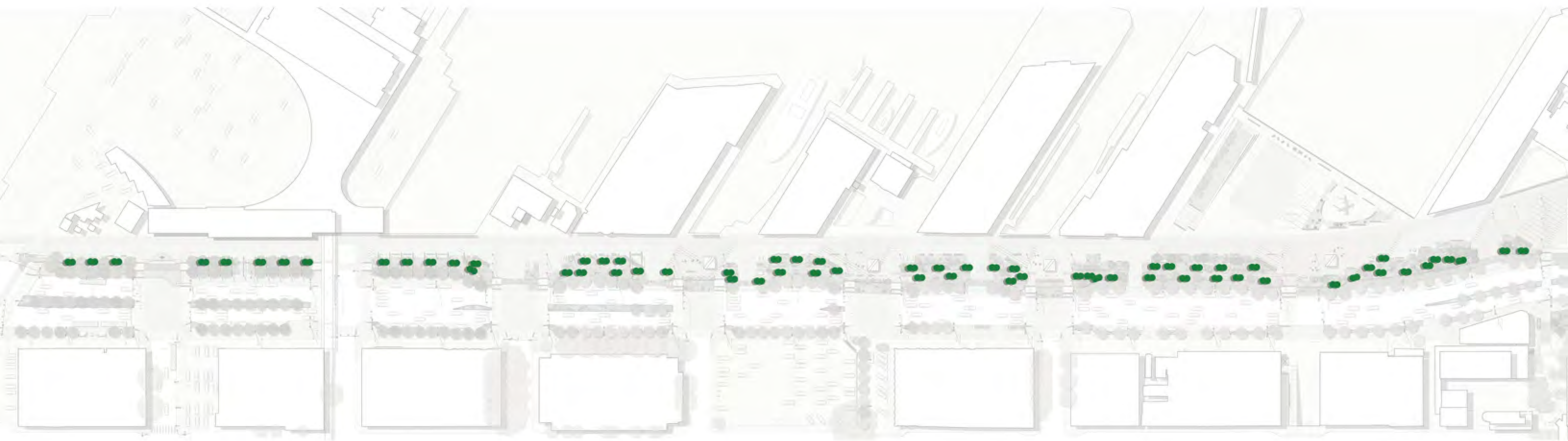


PROMENADE BOLLARD LIGHT



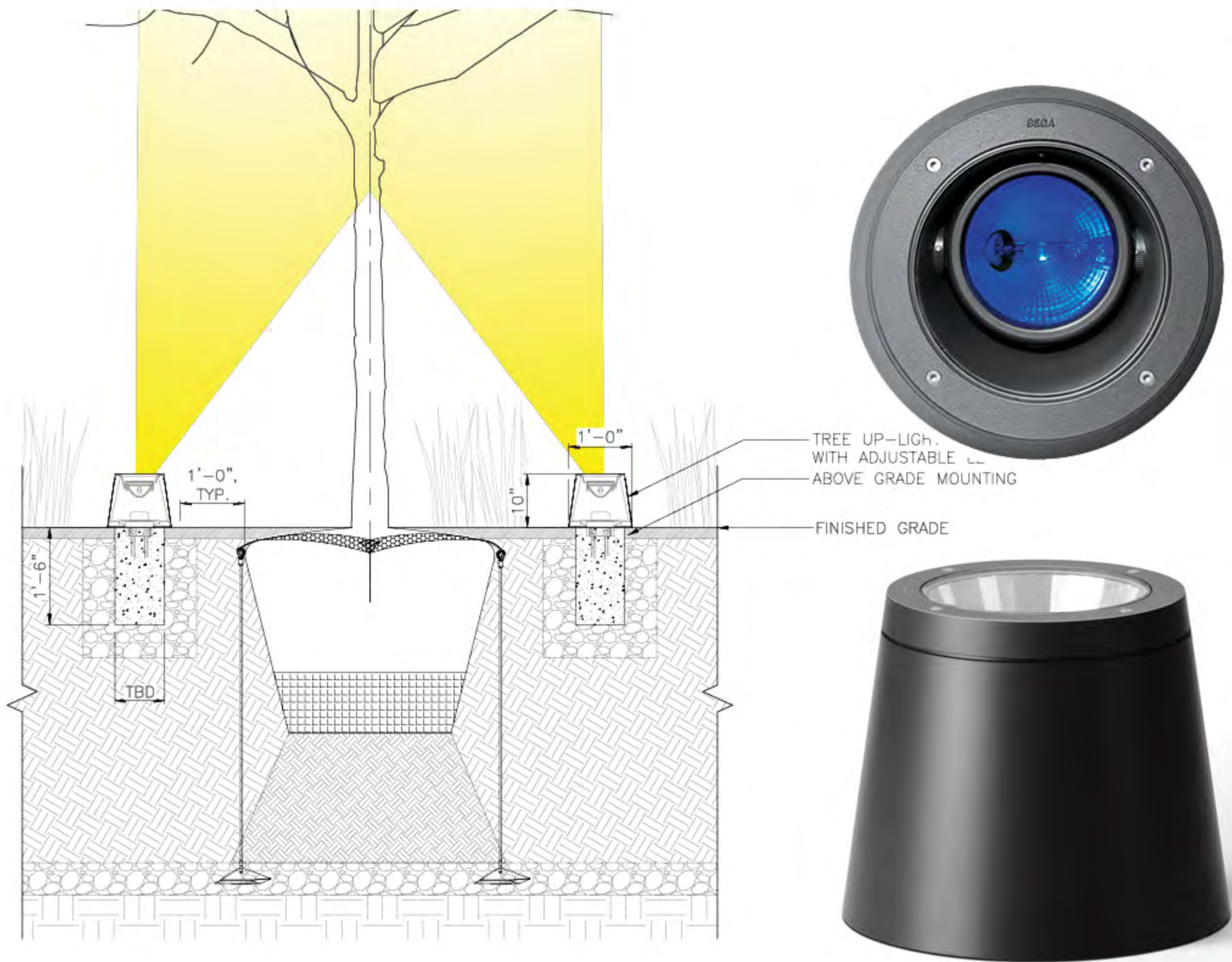
LIGHTING

UP LIGHTS



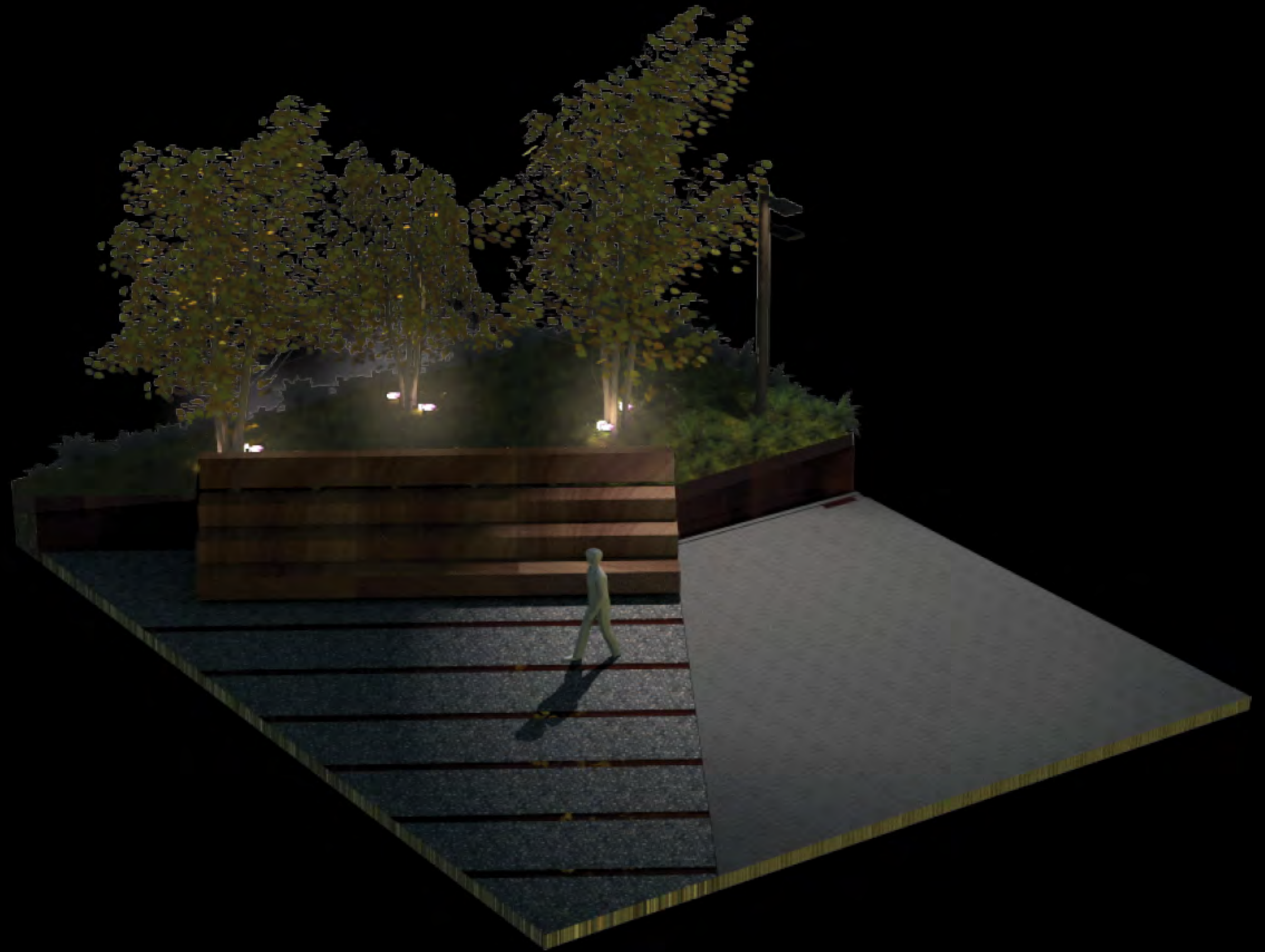
-  ROADWAY LIGHTING
-  PIONEER SQUARE TRI-GLOBES
-  PROMENADE POLE
-  PROMENADE BOLLARD
-  **TREE UP LIGHTS**
-  GARDEN LIGHTS
-  BOARDWALK

LIGHTING
TREE UP LIGHTS



LIGHTING

TREE UP LIGHTS



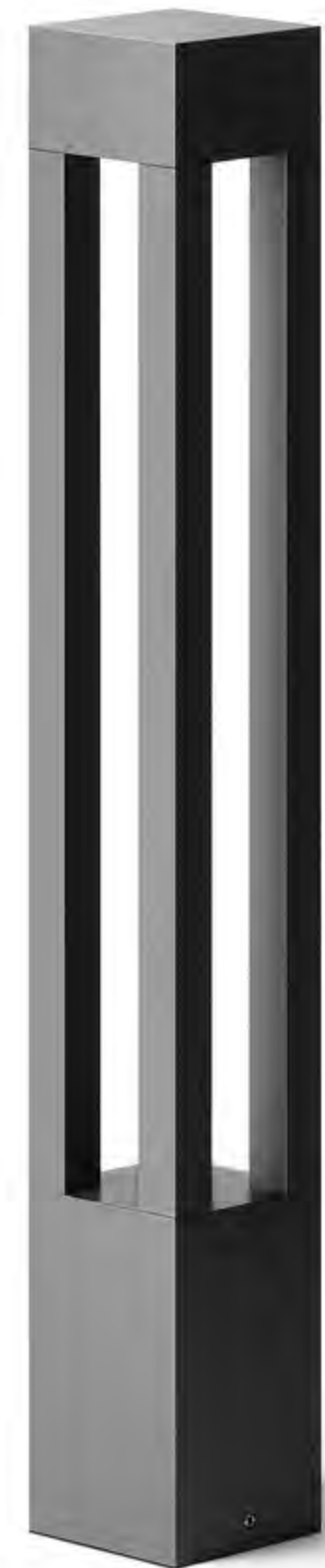
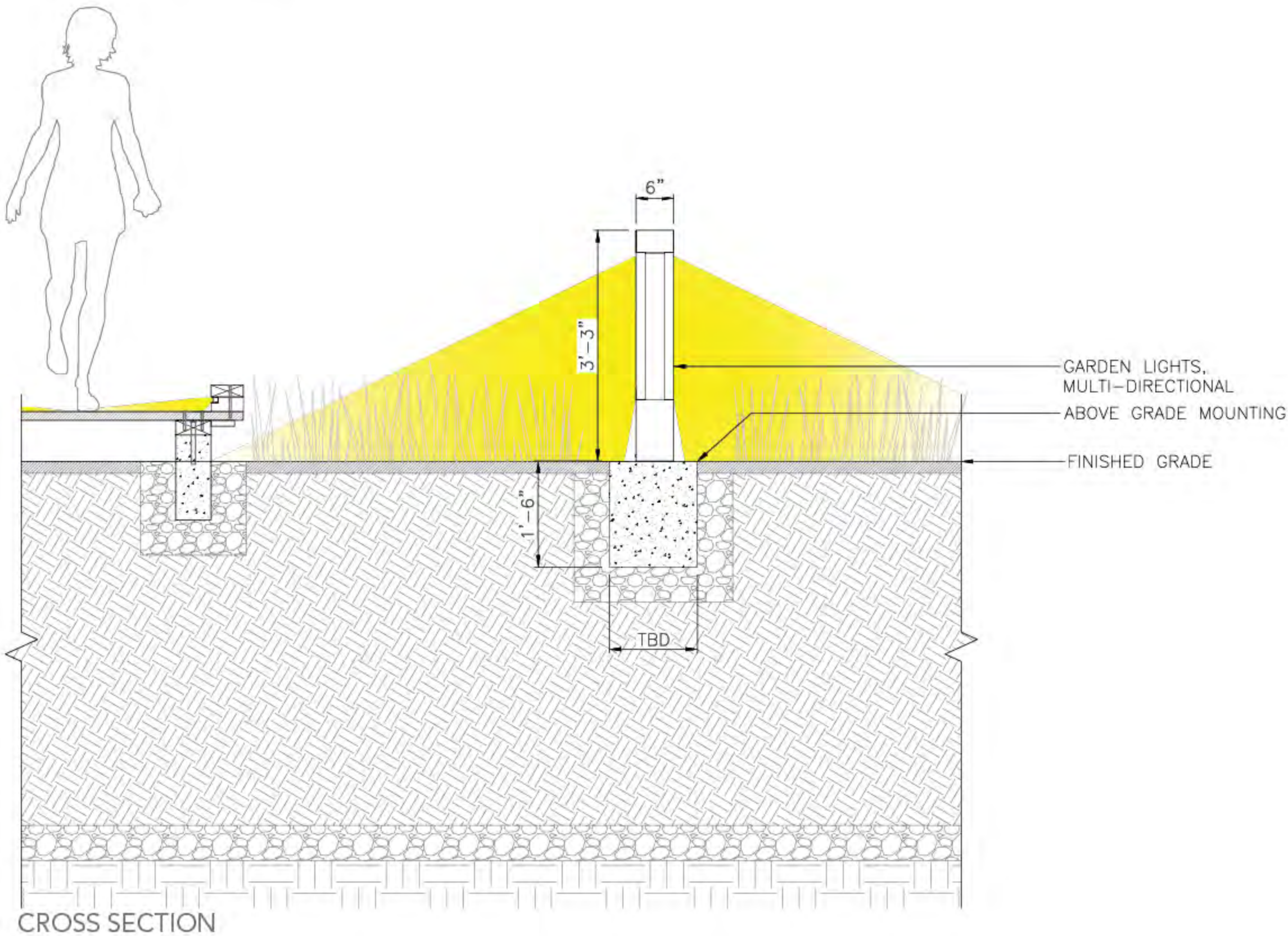
LIGHTING

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