SEATTLE DESIGN COMMISSION

WATERFRONT SEATTLE

MAIN CORRIDOR
90% DESIGN

12/07/17 - CONTINUOUS ELEMENTS
12/08/17 - PLACES
WATERFRONT SEATTLE
MAIN CORRIDOR

ALASKAN WAY [KING TO PIKE ST.]
ELLIO TWAY [PIKE TO BELL ST.]
WATERFRONT PROMENADE
WASHINGTON STREET BOAT LANDING
COLUMBIA ST.
SENECA ST.
LENORA ST. BRIDGE RETROFIT
E L L I O T T B A Y S E A W A L L R E P L A C E M E N T
(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
MAIN CORRIDOR

1. PAVING
2. PLANTING
3. FURNISHING
4. LIGHTING
CONTINUOUS ELEMENTS

PAVING
PAVING
EAST SIDEWALK

LEGEND
- SMALL EXPOSED AGGREGATE
- STANDARD CITY SIDEWALK PAVEMENT
PAVING RIGHT OF WAY
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 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

ALASKAN WAY

8-10' PARKING / LOADING

2' STEP-OUT ZONE

5' PLANTER

8-12' SIDEWALK

PRIVATE PROPERTY
PAVING
PIONEER SQUARE BRICKS CROSSING OVER TREE PITS

PARKING LANE

STEP OUT ZONE

TREE PIT
(RECYCLED BRICK PAVERS)

SIDEWALK
(SMALL EXPOSED AGGREGATE CONCRETE)
PAVING
RECYCLED BRICKS

7,000 BRICKS SALVAGED FROM
4TH AVENUE PAVING PROJECT
PAVING
EAST SIDEWALK STEP OUT ZONE

PARKING LANE

STEP OUT ZONE

TREE PIT (RECYCLED BRICK PAVERS)

SIDEWALK (SMALL EXPOSED AGGREGATE CONCRETE)
PAVING
EAST SIDEWALK STEP OUT ZONE
PAVING
EAST SIDEWALK STEP OUT ZONE

PRE-CAST EXPOSED AGGREGATE CONCRETE UNIT PAVER
PAVING
CONCRETE INLAYS

RAMP AND JOINTS, BOTH SIDES

8' VIF

DIMENSIONAL LETTERING, LEFT JUSTIFY,
[MADISON STREET]

ALIGN WITH FACE OF RAMP

DIMENSIONAL LETTERING, RIGHT JUSTIFY,
[MADISON STREET]

ALIGN WITH EDGE OF RAMP

RAMP AND JOINTS, BOTH SIDES

4'

IN-C

DIMENSIONAL LETTERING, LEFT JUSTIFY,
[WEST EDGE]

4'

DIMENSIONAL LETTERING, RIGHT JUSTIFY,
[WEST EDGE]

4'
PAVING
CONCRETE INLAYS
PAVING CURBS

FINAL LIFT OF PAVEMENT
WMA (CL 1/2 IN) 2" MIN
FOR SLOPE, SEE NOTE 2

GRADE POINT

1'-6"

1/4"

6"

1 1/2"

TYP

NON-ROADWAY CEM CONC
FOR FLOW LINE ELEVATION
SEE PAVING AND GRADING PLANS

THICKNESS TO MATCH ADJACENT
PAVEMENT THICKNESS OR 7"
WHICHEVER IS GREATER

COMPACTED SUBGRADE OR
MINERAL AGGREGATE, TYPE 17

6" CURB

GRADE POINT

1 1/2"

1'-0"

H

1" TYP

3"

NON-ROADWAY CEM CONC
COLD JOINT
CURB DOWEL

COMPACTED SUBGRADE OR
MINERAL AGGREGATE, TYPE 17

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

INTERSECTIONS: DETECTABLE WARNING STRIP

CEMENT CONCRETE SIDEWALK — SEE NOTE 4

CEMENT CONCRETE CURB

GRADE BREAK

CEMENT CONCRETE PEDESTRIAN CURB

SEE NOTE 7

2% MAX.

CROSSWALK

4’ MIN.

FLARE (TYP.)

GRADE BREAK

A

DETECTABLE WARNING PLATE

MEASURED PARALLEL TO CURB (TYP.)

PLAN VIEW

DEPRESSED MONOLITHIC CURB

SEE NOTE 3

FACE OF CURB

PLAN VIEW

BUFFER WIDTH

MATCH CURB RAMP DEPTH

LANDING
PAVING

INTERSECTIONS: DETECTABLE WARNING STRIP
PAVING
INTERSECTIONS: DETECTABLE WARNING STRIP
PAVING
INTERSECTIONS

STANDARD ROADWAY PAVEMENT

COLORED AND SCORED

AND SCORED

STANDARD ROADWAY PAVEMENT
PAVING
MATERIAL: IMPERVIOUS ASPHALT
PAVING
MATERIAL: IMPERVIOUS ASPHALT

STEEL EDGING

SOIL CELL EDGE DETAIL

SOIL CELL CONSTRUCTION DEPTHS IN CYCLE TRACK

PAVEMENT, SEE PAVING DETAILS FOR DEPTHS

FLUSH CURB AT CYCLE TRACK

STEEL EDGING

ROOT BARRIER

INSPECTION RISER

1.5 X ROOTBALL HEIGHT, MIN.
PAVING
BIKE FACILITY STRIPING

24" TALL YELLOW FLEXIBLE DELINEATOR

ITEM DESIGNATION
"L-8AT" PER COS STD
8-22.1(2)

ITEM DESIGNATION
"L-5D" PER COS STD
8-22.1(2)

ITEM DESIGNATION
"L-28AT" PER COS

BIKE FACILITY STRIPING
PAVING
BIKE FACILITY PAINTING

AT DRIVEWAY

IN ROADWAY
PAVING
BIKE FACILITY TRANSITIONS

CONCRETE BAND AT BIKE FACILITY TRANSITIONS

2" WMA (CL 1 IN, PG 64-22) OVER NON-ROADWAY CEMENT CONCRETE (TYP)

WIDTH PER PLAN
SIDWALK

1/4" THROUGH JOINT

NON-ROADWAY CEMENT CONCRETE

CYCLE TRACK PAVING
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

METAL INLAY

- At seams between metal plates, do not radius edges.
- Metal plate, 8" thick, ½" radius on all exterior edges, unless otherwise indicated.
- Surrounding finished grade, see PV02-20 for type and extent.
- Metal plate marking, dimensional lettering.
- Flush.

Concreete INLAY

- Grooved joint.
- Hard trowel finish marking, dimensional lettering.
- Cement concrete, hard trowel finish.
- Surrounding finished grade, see PV02-20 for type and extent.
- Metal plate marking, dimensional lettering.
- Flush.

Note: see PV23-30 for metal plate layout and extent and metal plate marking content.
PAVING
MOCK UP
PAVING
MOCK UP UNION ST. LOCATION

PUBLIC STORAGE

SEE LOCATION PLAN

MOCK-UP PANEL #1

MOCK-UP PANEL #2

STAIRS TO WESTERN AVE.

WESTERN AVE

1400 ALASKAN WAY

RIGHT OF WAY CENTER UNION STREET

RETAINING WALL

SIDEWALK
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
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'
PIioneer Square
Understory Planting

**Spring**
- Casmerodius gloriatus
- Iris douglasiana
- Narcissa thalia
- Camassia leichtlinii 'semiplena'
- Mahonia repens

**Summer**
- Achillea millefolium 'Lilac Beauty'
- Helictotrichon sempervirens
- Hakonechloa macra
- Carex clusia
- Achillea millefolium 'Moonshine'

**Fall**
- Aster tataricus 'Jinder'
- Acer circinatum 'Pacific Purple'

**Winter**
- Linopis spicata
- Carex comans
- Cornus sericea Kelseyi
- Symphoricarpos x chenaultii
- Pinus contorta
PIioneer Square Promenade
Understory Planting

Habitat Enhancement Planting
(BY OTHERS)

Cycle Track

Beach Planting

Street Tree Pit Planting

Median Planting

Alaskan Way

Street Tree Pit Planting
PIioneer Square Promenade
Understory Planting

Spring
- Ceanothus gloriosus 'Heart's Desire'
- Brodiaea 'Queen Fabiola'
- Camassia leichtlinii 'Sacajawea'

Summer
- Calamagrostis acutiflora '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

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

SPRING
- Iris tenax 'Oregon Watercolor'
- Ceanothus thyrsiflorus 'Reeves'
- 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 'woody blue'
- Anemone 'Honorine'

WINTER
- Vaccinium ovatum
- Lonicera pileata
- Carex comans
- Carex oshimensis 'Evergold'
- Carex elata 'Aurea'
- Mahonia aquifolium
**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’*
CENTRAL PUBLIC SPACE
STREET TREES

QUERCUS PHELLOS
WILLOW OAK

INSTALLATION SIZE: 4-5" CAL
20 YR HEIGHT: 30-40'
CENTRAL PUBLIC SPACE
UNDERSTORY PLANTING

SPRING
- Magnolia ‘Elizabeth’
- Corylopsis spicata
- Eriogonum campanulatum ‘Red Bells’
- Rhododendron ‘Dreamland’
- Aquilegia vulgaris ‘Clementine Red’
- Chaenomeles ‘Scarlet Storm’

SUMMER
- Agapanthus ‘Brilliant Blue’
- Aralia cordata ‘Gold King’
- Raphionacme ‘Ember Glow’
- Echinacea ‘Firebird’
- Geleriaca ‘Arizona Sun’
- Abutilon megapotamicum

FALL
- Pennisetum alopecuroides ‘Nanae’
- Molinia caerulea ssp. arundinacea ‘Skyracer’
- Cotinus coggyria ‘Aureus’
- Berberis thunbergii ‘Gloratini’
- Acer griseum

WINTER
- Pinus thunbergi
- Carex comis ‘Bronze’
- Helleborus ‘Ribo Carnival’
- Osmanthus heterophyllus ‘Guinevere’
- Nandina domestica ‘Moon Bay’
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’
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
CONTINUOUS ELEMENTS

FURNISHING
WATERFRONT RAILING
CURRENT
WATERFRONT RAILING
PROPOSED
WATERFRONT RAILING
PROPOSED

- Top Rail - Wood
- Top Rail Spacer, Typical
- Top Rail Bridge Spacer
- Hand Hold
- Flexible Mesh Infill
- Galvanized Steel Frame, with pre-drilled holes aligned with spacers ½"x5"xREQD
- Base Plate Spacer, Type 1
- Base Plate Spacer, Type 1
WATERFRONT RAILING
STEEL FRAME
WATERFRONT RAILING
MESH INFILL

HIGHLINE, NYC

MESH OPENING 4"
WATERFRONT RAILING
MESH INFILL

MESH INFILL ELEVATION
WATERFRONT RAILING
TOP RAIL

EKKI WOOD TOP RAIL SECTION
WATERFRONT RAILING
EKKI WOOD
WATERFRONT RAILING
EKKI WOOD
WATERFRONT RAILING
RAILING CONNECTIONS

RAILING - TYPE 1, TYPICAL
EXTERIOR OF TEMPORARY RAILING
END PANEL TYPE 2
END UNIT AT ASSEMBLY
ALIGNED END PANEL BASE PLATE WITH OUTSIDE FACE OF TEMPORARY RAILING

EXISTING MOVEMENT JOINT PLATE

4'-0" TYP.

END UNIT & ASSEMBLY
EXTERIOR OF TEMPORARY RAILING
END PANEL TYPE 3
RAILING - TYPE 3, TYPICAL

EXISTING PIER 57 RAILING
ALIGNED END PANEL BASE PLATE WITH OUTSIDE FACE OF TEMPORARY RAILING
EXISTING MOVEMENT JOINT PLATE
WATERFRONT RAILING
RAILING CONNECTIONS

END RAIL SOUTH

END RAIL NORTH

TOP RAIL SPACER, BETWEEN FRAMES

TYPICAL MESH INFILL ATTACHMENT

BASE PLATE SPACER, TYPE 1

1 FN119

2 FN119
WATERFRONT RAILING
RAILING MOCK UP: PIKE HILL CLIMB
WATERFRONT RAILING
RAILING MOCK UP: PIKE HILL CLIMB
BENCHES
WITH BACK

TIMBER BACKREST
TIMBER BACKREST ATTACHMENT

2'-1 1/4"
1'-10"
1'-2 3/4"

3 ARMREST RN175 W/ BACKREST

TIMBER LOG
- R 1/2" FOR ALL EDGES AND CORNERS
- GRAIN TO FACE UP

ALL ATTACHMENT PLATE
FINISH GRADE

CONCRETE PAVING

TYPICAL CROSS SECTION

LONGITUDINAL SECTION
BENCHES
WITHOUT BACK: HISTORIC PIERS

BOLLARD LIGHT, TYP

BENCH TYPE 4A
BENCHES
WITHOUT BACK: COLMAN DOCK

OSCAR TUAZON,
LONGHOUSE, TYP
SEE ST440
BENCHES
WITHOUT BACK

STANDALONE
ARMREST

TIMBER LOG
- R 1/2" FOR ALL EDGES
- AND CORNERS
- GRAIN TO FACE UP

ATTACHMENT PLATE

FINISH GRADE

CONCRETE PAVING

TYPICAL CROSS SECTION

LONGITUDINAL SECTION
BENCHES
VIEWING BENCHES
BENCHES
VIEWING BENCH: CHAISE

TIMBER LOG, TYP
- R 1/2" FOR ALL EDGES AND CORNERS
- GRAIN TO FACE UP

ANCHOR ROD W/ WOOD PLUG ON BOTH ENDS

STEEL EDGING PLANTER

CONCRETE PAVING

BENCH TYPE 2A - (4) UNITS, BENCH TYPE 2B - (5) UNITS, SEE FN PLAN
BENCHES
VIEWING BENCH: ZIGGURAT

ANCHOR ROD W/ WOOD PLUG ON BOTH ENDS
ANCHOR ROD AND PLATE BEYOND
STEEL EDGING PLANTER

TIMBER LOG, TYP - R 1/2" FOR ALL EDGES AND CORNERS - GRAIN TO FACE UP

5 ELECTRICT DETERRENT

ALL ATTACHMENT END PLATE
FINISH GRADE
CONCRETE PAVING

BENCH TYPE 4A - 2 TALL UNITS, BENCH TYPE 4B - 3 TALL UNITS, SEE FN PLAN

(1) LOW UNIT
BENCHES
VIEWING BENCH: STEPPED

TOP OF SEAT NOT TO BE HIGHER THAN 30" ABOVE TOP OF PLANTED SOIL AT ADJACENT PLANTER

TIMBER LOG, TYP
- R 1/2" FOR ALL EDGES AND CORNERS
- GRAIN TO FACE UP

ANCHOR ROD W/ WOOD PLUG ON BOTH ENDS, TYP

SKATE DETERRENT TYP

ATTACHMENT PLATE

FINISH GRADE

CONCRETE PAVING

(3) TALL UNITS

(1) LOW UNIT
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
6-18" TALL

STEEL EDGING
- PRE-WEATHERED STEEL

MULCH

FINISH GRADE
@ PLANTING AREA

STEEL PLATE @ SEAM
BETWEEN
- PRE-WEATHERED STEEL
- TO BE WELDED TO
STEEL EDGING

ANCHOR, TYP
- TYPE 316 SS

SPACER, TYP
- SS
- 1/2" THK

1/2" W
OPEN JOINT

VAR (4" MIN. 24" MAX)

PLANTING SOIL
MINERAL AGGREGATE
TYPE 2

CONCRETE CURB
ASPHALT PAVING
FINISH GRADE
@ CYCLE TRACK

VAR (4" MIN. 24" MAX)

1/2" W
OPEN JOINT

ANCHOR, TYP
- TYPE 316 SS

SPACER, TYP
- SS
- 1/2" THK

PLANTING SOIL
SOIL CELLS
SEE PLANTING DETAILS

STEEL EDGING AT PROMENADE EDGE

STEEL EDGING AT BIKE FACILITY EDGE
STEEL EDGING
18-42” TALL
BOARDWALK
LAYOUT + MATERIAL

SPACE WOOD CURB ANCHOR EVENLY, AVOID CONFLICT W/ CONCRETE FOUNDATION, TYP

HARDWOOD WOOD CURB, TYP
WATER JOINTS TYP FOR ALL WOOD CURB CORNERS
CONCRETE FOUNDATION BELOW, TYP
WOOD NAILER BELOW, TYP
HARDWOOD PLANK, TYP
WOOD CURB ANCHORING, TYP
PLANK ANCHORING, TYP

CUMARU 2X4
BOARDWALK IN PAVEMENT

1/8" W JOINT TYP

4'-0"

BELOW BOARDWALK FINISH GRADE

HARDWOOD PLANK, TYP

CONCRETE PAVING

WOOD LEDGER, TYP

MINERAL AGGREGATE, TYPE 2

BOARDWALK IN PAVEMENT SECTION

1 1/2"

1/8" W OPEN JOINT

2X6 HARDWOOD PLANK

WOOD SCREW, TYP - FLATHEAD - TYPE 316 SS

ANCHOR, TYP - TYPE 316 SS

WOOD LEDGER

SPACER, TYP - SS - 1/2" THK

CONCRETE PAVING W/ THICKENED EDGE

CONNECTION TO PAVEMENT SECTION
FURNISHING
UTILITY BOLLARDS: TO PROVIDE POWER
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
MANUFACTURER: ELKAY

MANUFACTURER: ELKAY
NAME: 4420BF1U
MATERIALS: STEEL
100% RECYCLABLE,
ADA ACCESSIBLE,
WATER BOTTLE FILLER
PET FOUNTAIN
DRINKING FOUNTAINS
LAYOUT

NOTE:
ANCHOR AS PER MANUFACTURER'S INSTRUCTIONS

BOTTLE FILLER

PET FOUNTAIN BEYOND
CIP CONC' SIDEWALK
- S.C.D.

ANCHORING BOLT
- (6) BOLTS FOR EACH UNIT
- SS
- 1/2" DIA
- 3" LONG

HISTORIC BALUSTRADE
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
- BENCHES
- STEEL EDGING
- BOARDWALK
- UTILITY BOLLARDS
- DRINKING FOUNTAINS
- TRASH CANS
- BIKE RACKS
- BOLLARDS
- TREE PIT GUARDS
- METAL DECKING
BIKE RACKS
DESIGN: LANDSCAPE FORMS
BIKE RACKS
INSTALLATION

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

BIKE RACK

CONCRETE PAVING
SEE PAVING DETAILS
PROMENADE

NON-SHRINK GROUT

STEEL EDGING PLANTER
ALIGN BOLLARD E-W CENTER LINE W/ CONC' PAVING JOINT, TYP
DETECTABLE WARNING STRIP, TYP
BOLLARDS DESIGN

MANUFACTURER: HESS
NAME: MORANO 900
MATERIALS: BILLET ALUMINUM TOP CAP, STEEL BOLLARD SHAFT

Ø 3.3"

23.6"/35.4"/47.2"
BOLLARDS
VIEW
FURNISHING
TREE PIT GUARDS
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

POST: 1" SQUARE BAR

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

24" PANEL

18" TALL

4" 6" 13"
TREE PIT GUARD
STANDARD POSTS

VAR SEE FN41 THROUGH FN43

1"

VAR SEE FN41 THROUGH FN43

1"

UPPER TAB, TYP

POST, TYP

LOWER TAB, TYP

SIDEWALK FINISH GRADE OR BIO-RETENTION PLANTER TOP OF WALL

1/4"

POST BOLTS TO EDGE OF SIDEWALK

SIDEWALK SLAB
**TREE PIT GUARD DETAILS**

- **POST**
  - 1" x 1" PRE-WEATHERED STEEL SOLID BAR

- **SCREW**
  - TYPE 316 SS
  - FLATHEAD
  - TAMPER PROOF
  - REMOVABLE
  - CENTERED TO TAB ON TAB'S ENDSIDE

- **NUT AND WASHER**
  - TYPE 316 SS

**Diagram Details**

- **Panel**
  - PRE-WEATHERED STEEL
  - 1/4" THK
  - WELDED TO POST

- **Post Type A**

- **Post Type C-1/2-2**

- ** sidewalk finish grade or bio-retention planter top of wall**
TREE PIT GUARDS

SIZES

TREE PIT LAYOUT PLAN AREA 3 SOUTH

TREE PIT LAYOUT PLAN AREA 3 NORTH

TREE PIT LAYOUT PLAN AREA 10 NORTH

TREE PIT LAYOUT PLAN AREA 10 SOUTH
TREE PIT GUARD
TREE PIT ZONE
FURNISHING
METAL DECK OVER WET PLANTERS
METAL DECK OVER WET PLANTERS
LAYOUT

ROADWAY

METAL DECK

SIDEWALK
METAL DECK OVER WET PLANTERS
MATERIAL

REQUIREMENTS:
- ADA COMPLIANT
- SLIP RESISTANT
METAL DECK OVER WET PLANTERS
DETAILS

- MAX 1/8" IN MAX 1/4" IN "GAP" TWIST
- TOP OF METAL CURH
- METAL GRATE
  - 55
  - TO BE WELDED TO HSS
- HSS
  - 55
  - TO BE WELDED TO ANGLE
  - END TO BE CAPPED W/ 3/16" THK 55 PLATE
- ANGLE
  - TYPE 316 SS
  - TO BE ANCHORED TO CONCRETE
- CONCRETE FACING W/ THOUGHT EDGE OR DR CONCRETE PLANTER

3' - 4 1/2"
3' - 0"

1' - 11 13/16" (55 BARS)
2' - 5 1/2" (68 BARS)
CONTINUOUS ELEMENTS

LIGHTING
LIGHTING
CONTINUOUS ELEMENTS

PROMENADE  TIDELINE TERRACES  CYCLE TRACK  SIDEWALK  ALASKAN WAY  EAST-SIDE
LIGHTING
ROADWAY

ROADWAY LIGHTING

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

HI-LOW STREET LIGHT

POLE, TYPE PER LUMINAIRE SCHEDULE

BRACKET ARM, TYPE PER LUMINAIRE SCHEDULE

FIXTURE, TYPE PER LUMINAIRE SCHEDULE

HANDHOLE
BASE COVER
12" SQUARE BASE, 11.5" BOLT CIRCLE

NOTE 2
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 BOLLARDS
LIGHTING
PROMENADE BOLLARDS

PROMENADE BOLLARD LIGHT
LIGHTING
TREE UP LIGHTS
LIGHTING
GARDEN LIGHTS
LIGHTING
GARDEN LIGHTS

CROSS SECTION

LIGHTING FIXTURE

GARDEN LIGHTS, MULTI-DIRECTIONAL
ABOVE GRADE MOUNTING
FINISHED GRADE
END