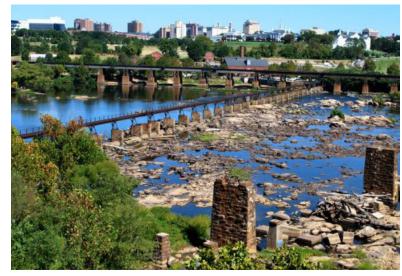


As the first step in the implementation of the Richmond Riverfront Plan, the Brown's Island Dam Walk (BIDW) will **transform** an industrial era structure into a **key connection** between both banks of the James River at the **center of Richmond's Riverfront**.

The BIDW will expand the Riverfront circulation network – a series of connections providing access along, across, and around the river – to serve a diverse group of users – including persons with disabilities, cyclists, pedestrians, and runners – in their pursuit of alternative transportation, fitness, and the spectacular natural beauty of the Riverfront.

The project models **ecologically-sensitive and sustainable** trail development by minimizing runoff, removing invasive species, and extensively replanting slopes with native species resulting in a diverse array of **new or enhanced habitats** for the incredible flora and fauna of the Riverfront.









AERIAL VIEW OF BROWN'S ISLAND DAM, LOOKING NORTH CONNECTION TO '3 DAYS' MEMORIAL

BROWN'S ISLAND DAM, VIEWED FROM '3 DAYS'

INFORMAL USE OF BROWN'S ISLAND DAM



BROWN'S ISLAND DAM, FROM SOUTH BANK



EXISTING PIERS, FROM MANCHESTER EMBANKMENT



PATH ON RIDGE OF MANCHESTER EMBANKMENT



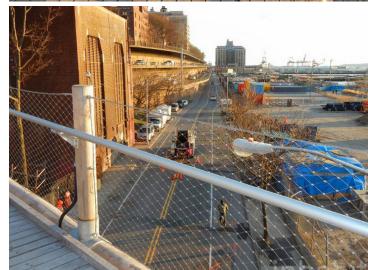
SUN TRUST BRIDGE CONNECTION TO MANCHESTER + LOWER PATH TO FLOOD WALL



SQUIBB PARK FOOTBRIDGE

BROOKLYN, NY WIDTH: 8' / LENGTH: 450'







N. POINT PARK BICYCLE/PED BRIDGE

CAMBRIDGE/BOSTON, MA WIDTH: 12'/ LENGTH: 700'







HIGHLINE

NEW YORK, NY WIDTH: VARIES







NICHOLS BRIDGEWAY

ART INSTITUTE OF CHICAGO WIDTH: 15'/ LENGTH: 620'









OVERLOOK EDOWNRIVER MANCHESTER
CLIMBING WALL



OVERLOOK DDOWNRIVER MANCHESTER POND



OVERLOOK CDOWNRIVER ROCK GARDEN



OVERLOOK B
UPRIVER WATERCRAFT

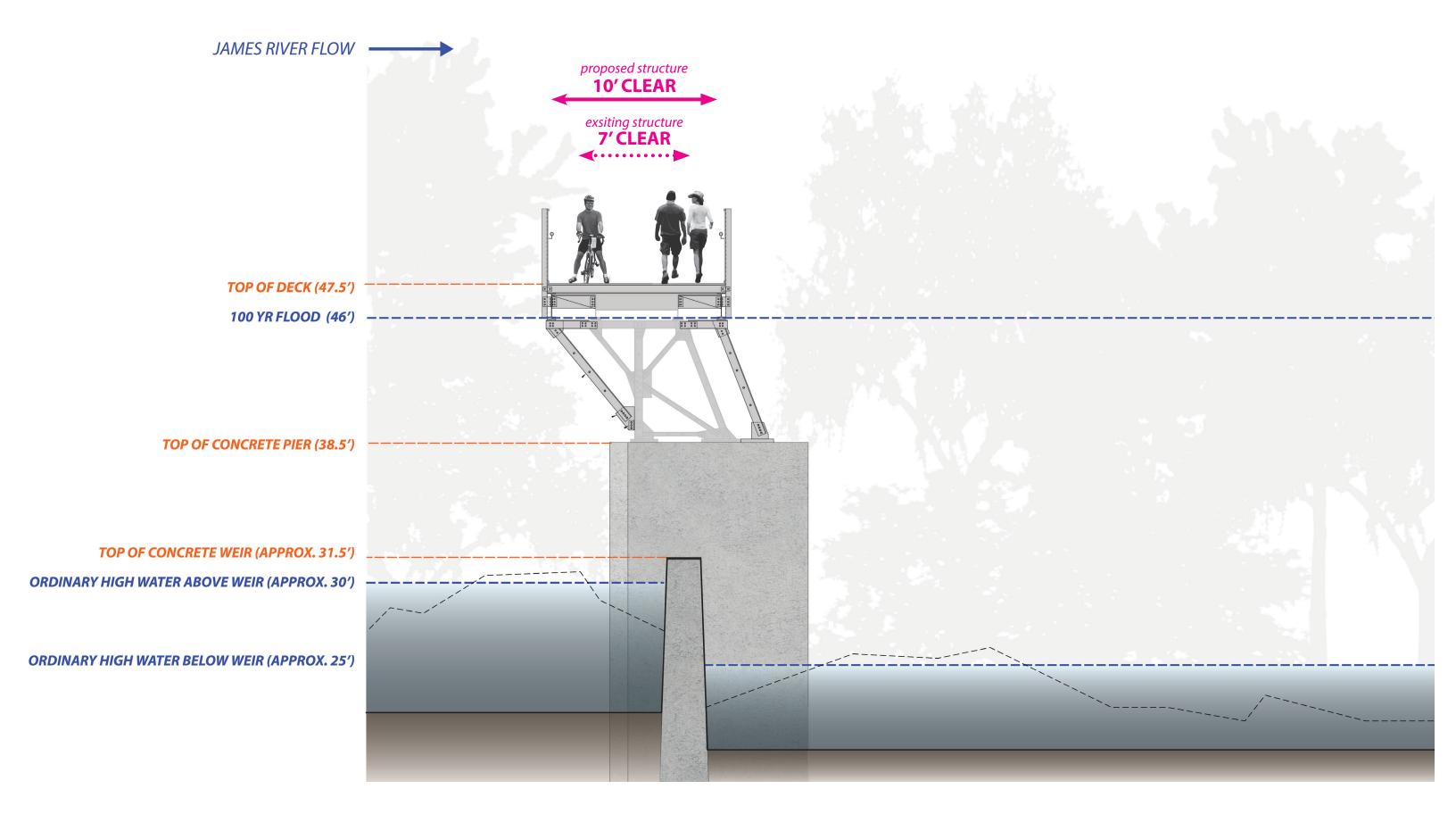


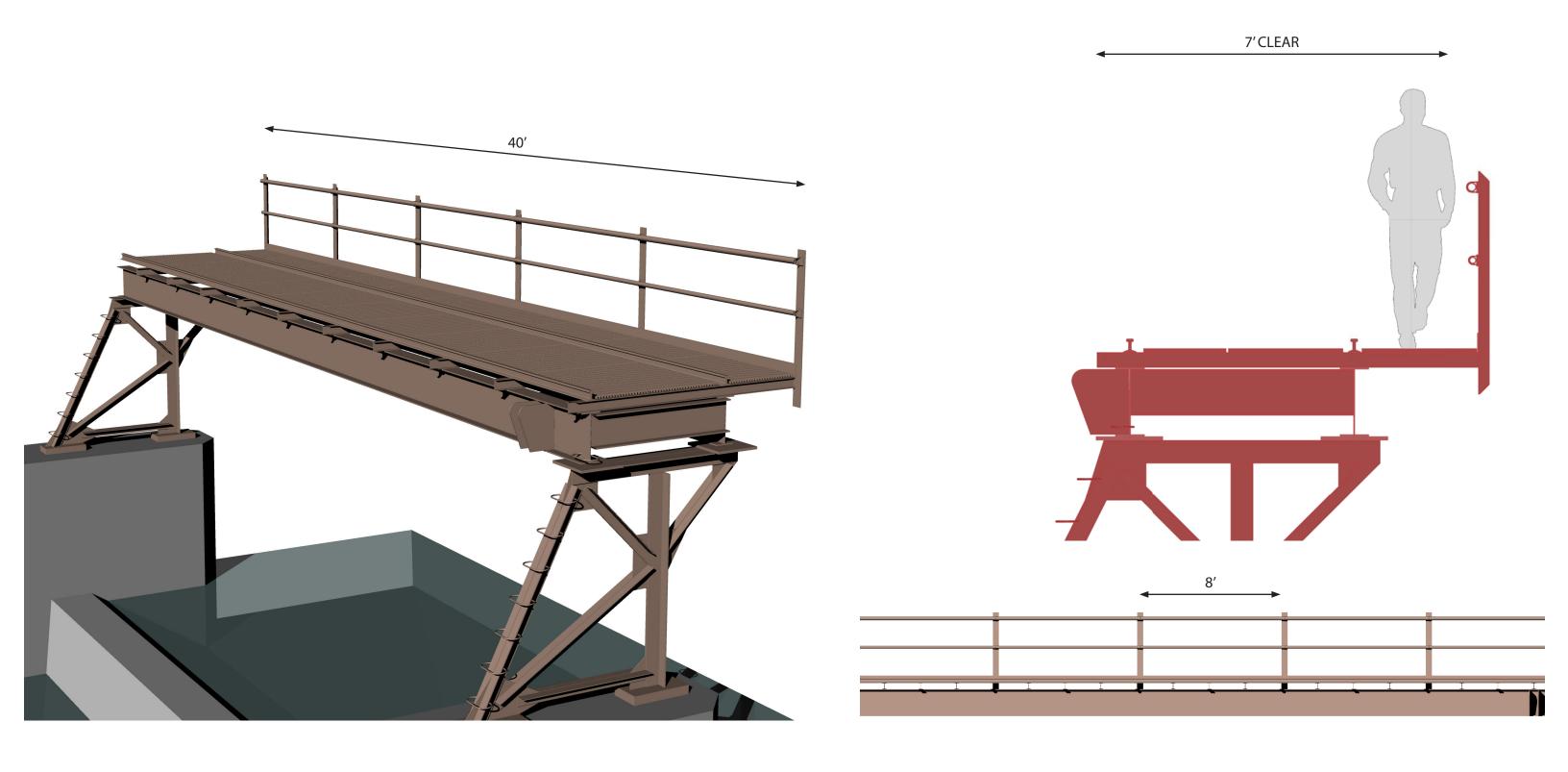
OVERLOOK A (EXISTING)DOWNRIVER'3 DAYS' MEMORIAL

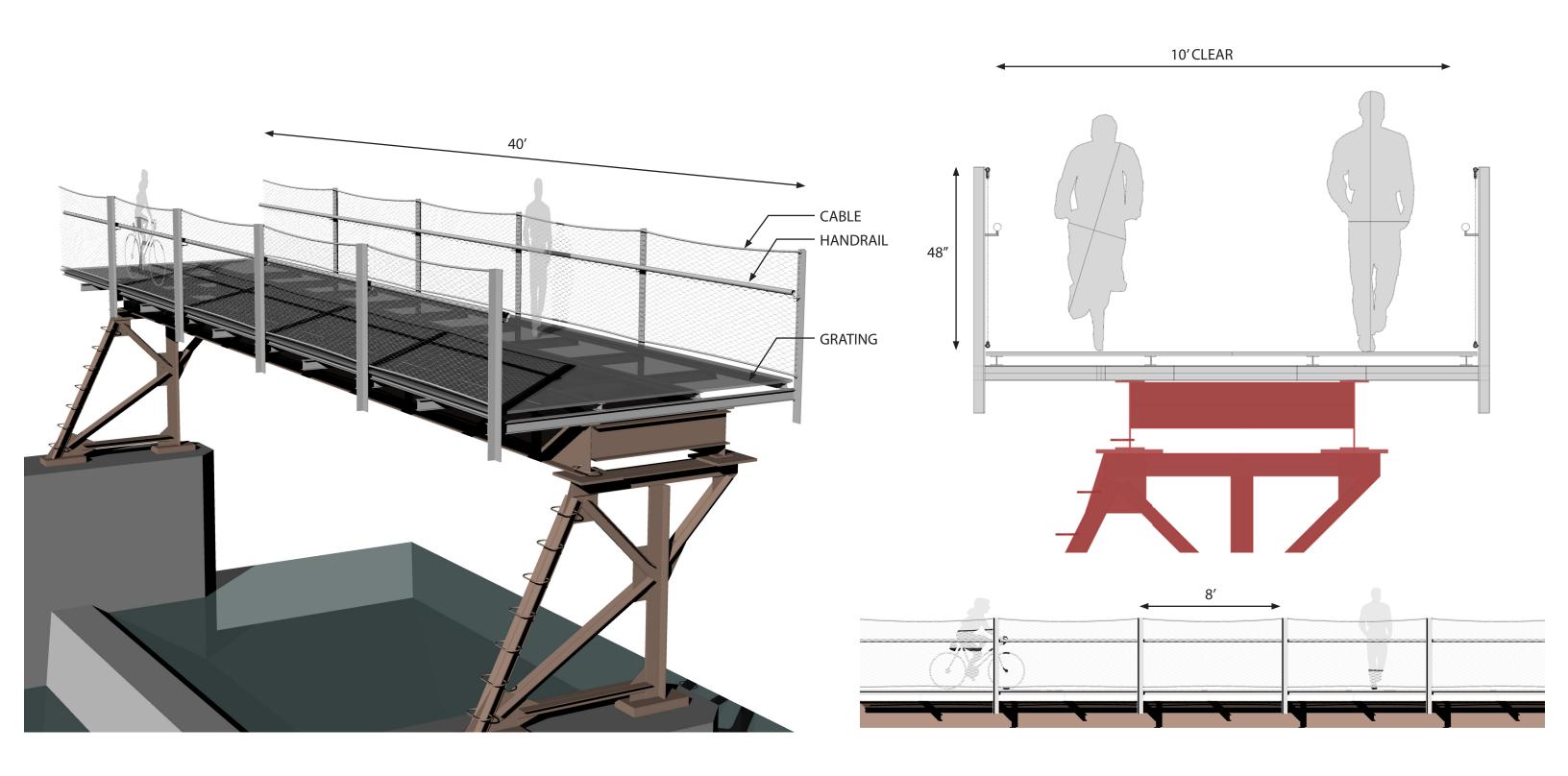


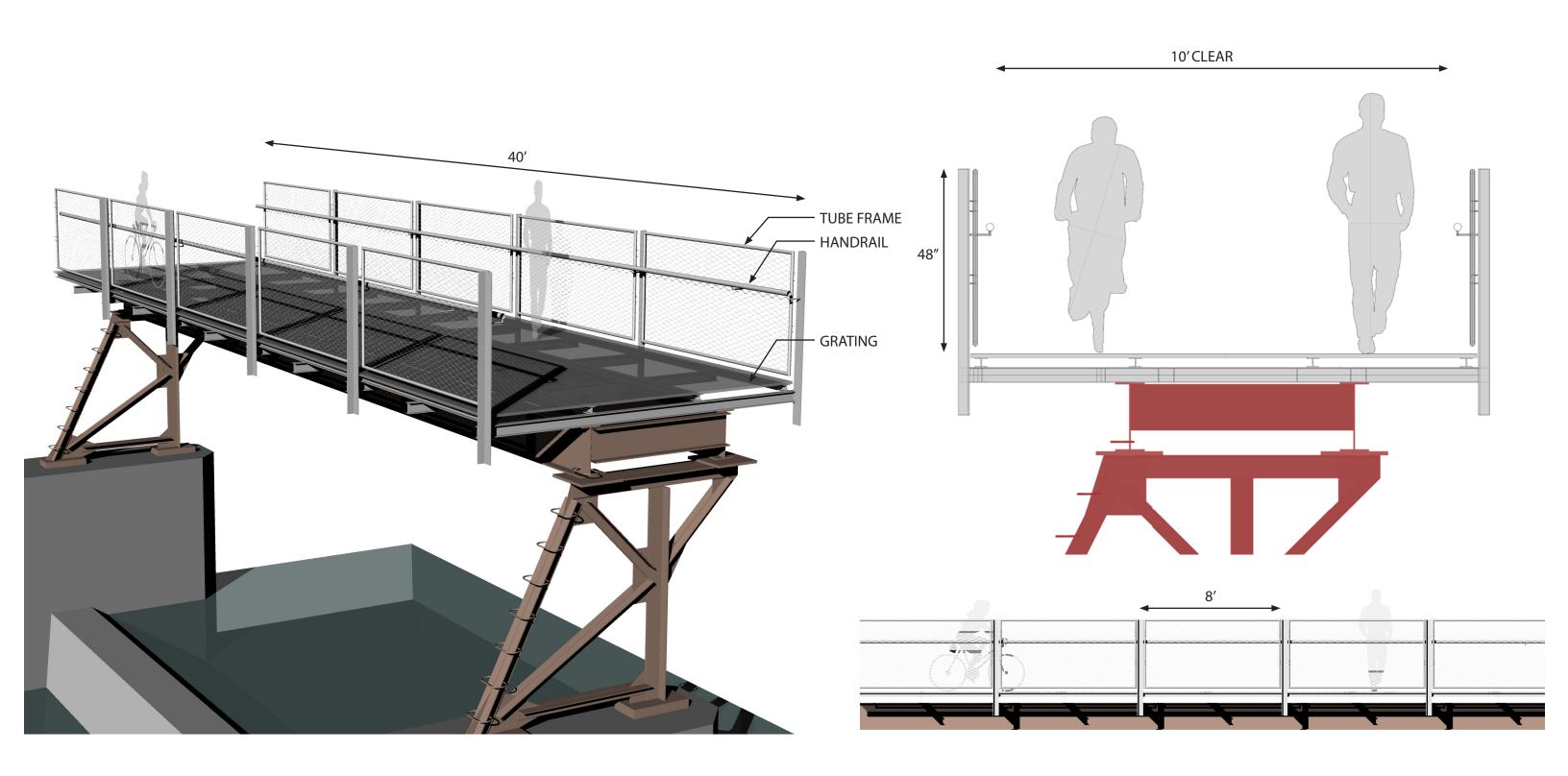


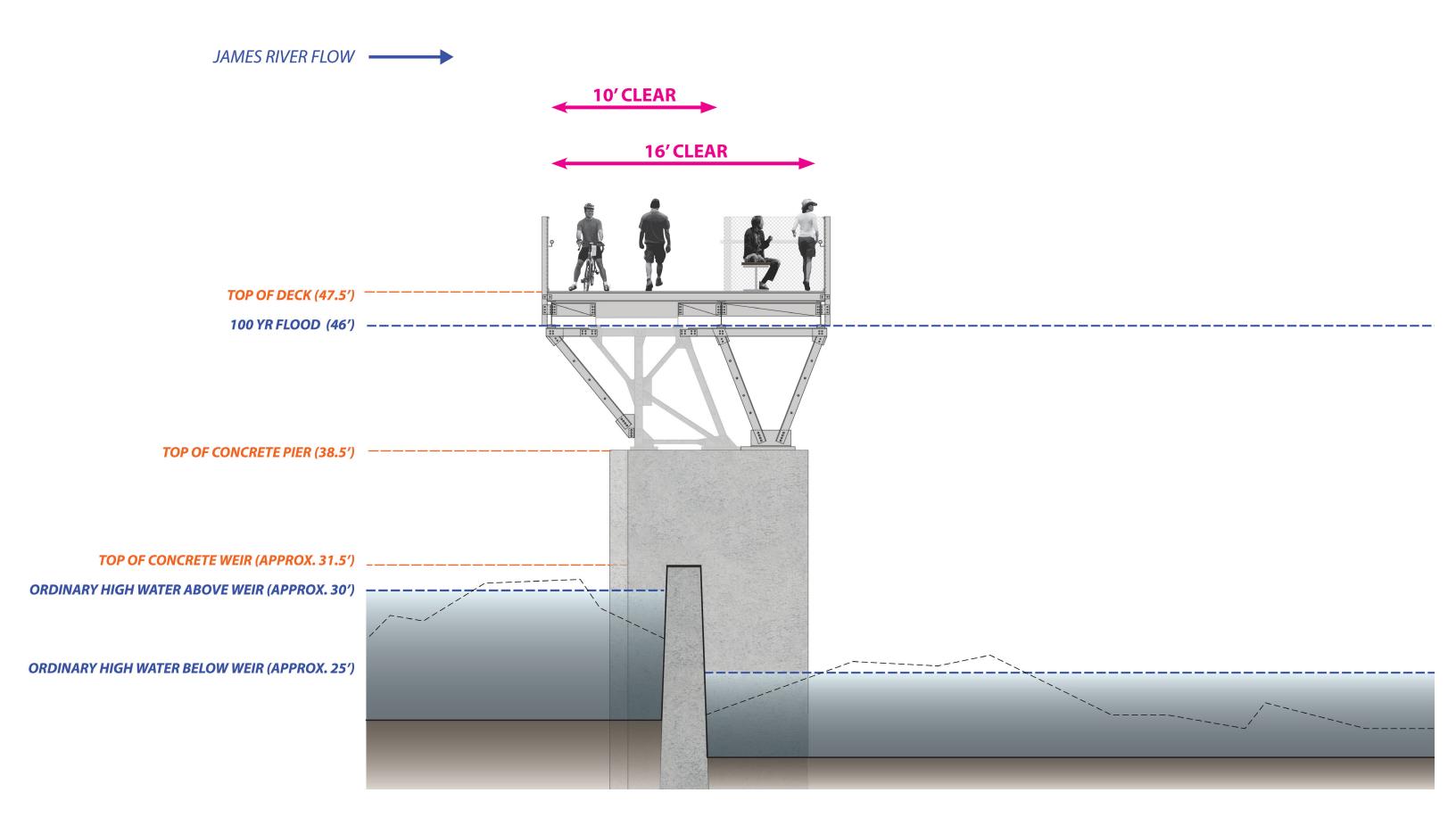


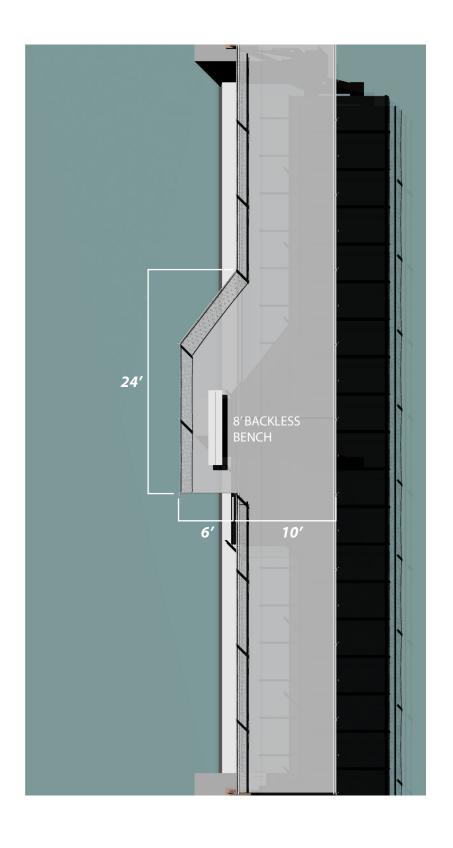


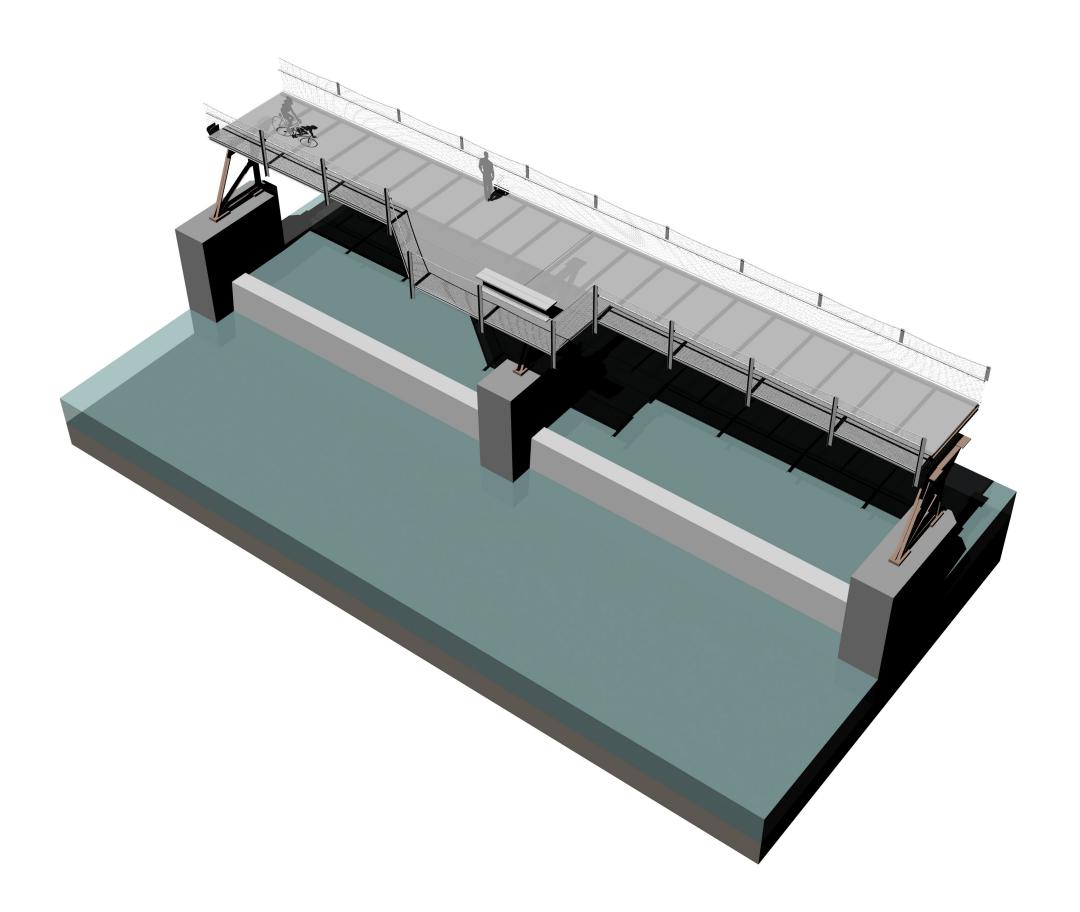


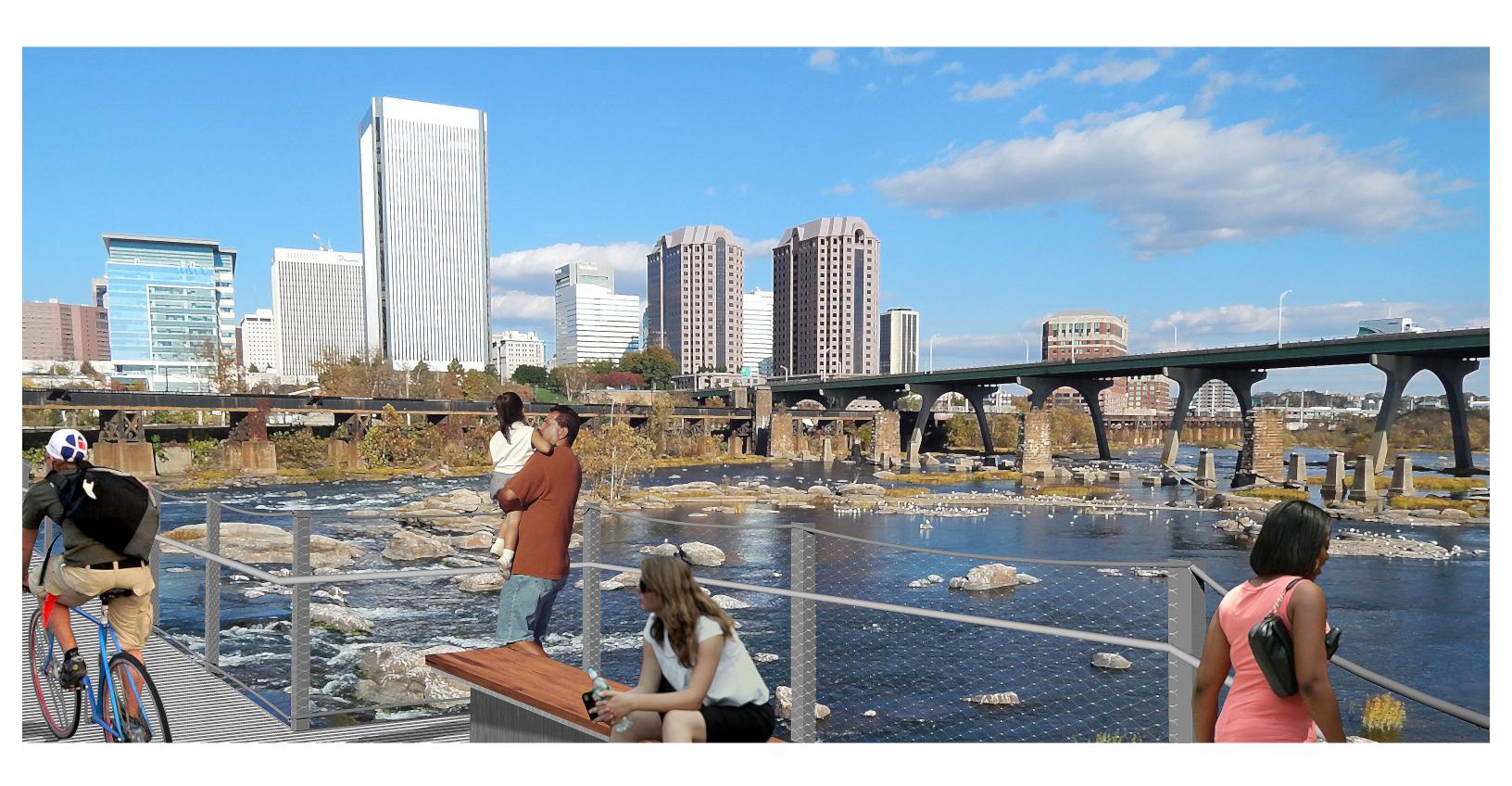






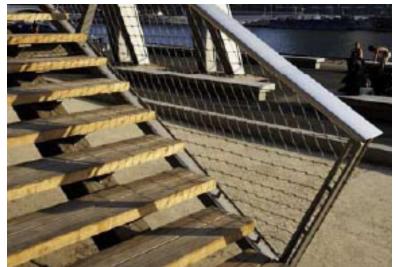




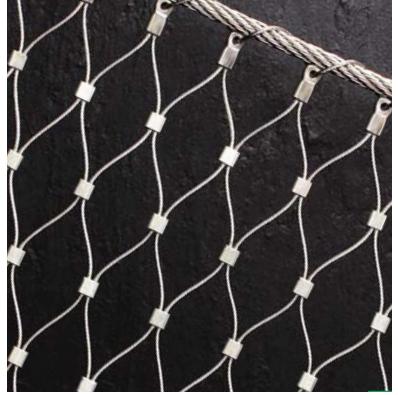


GRATING

STAINLESS STEEL
JAKOB ROPE SYSTEMS

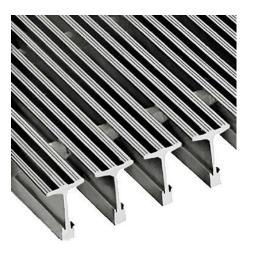








SAFE-T-GRID ALUMINUM GRATING MCNICHOLS CO.





OPT. 1: VERTICAL LIGHTS BETWEEN POSTS



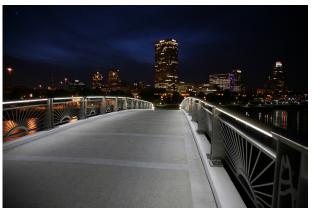
OPT. 2: LOW-LEVEL STEP LIGHTS



OPT. 5: EXPOSED DISCREET PATHWAY LIGHTS



OPT. 3: CONTINUOUS HORIZONTAL LIGHTS



OPT. 4: EXPOSED VERTICAL LIGHTS



OVERLOOK LIGHTING

OPT. 1: LIGHTING IN BENCH

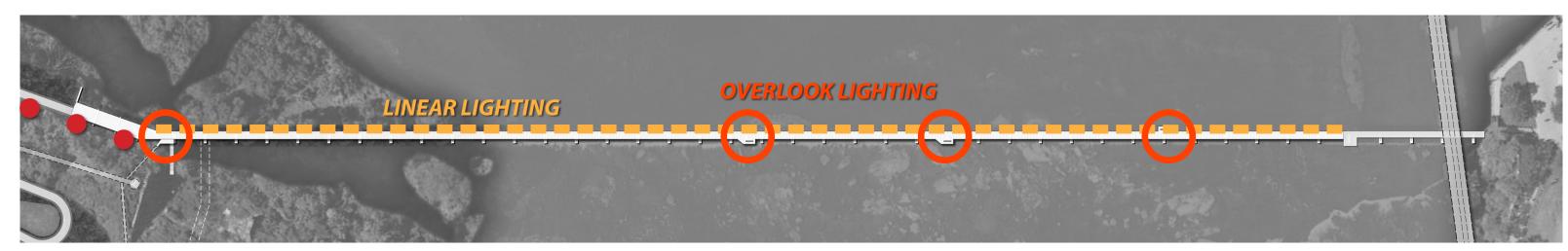


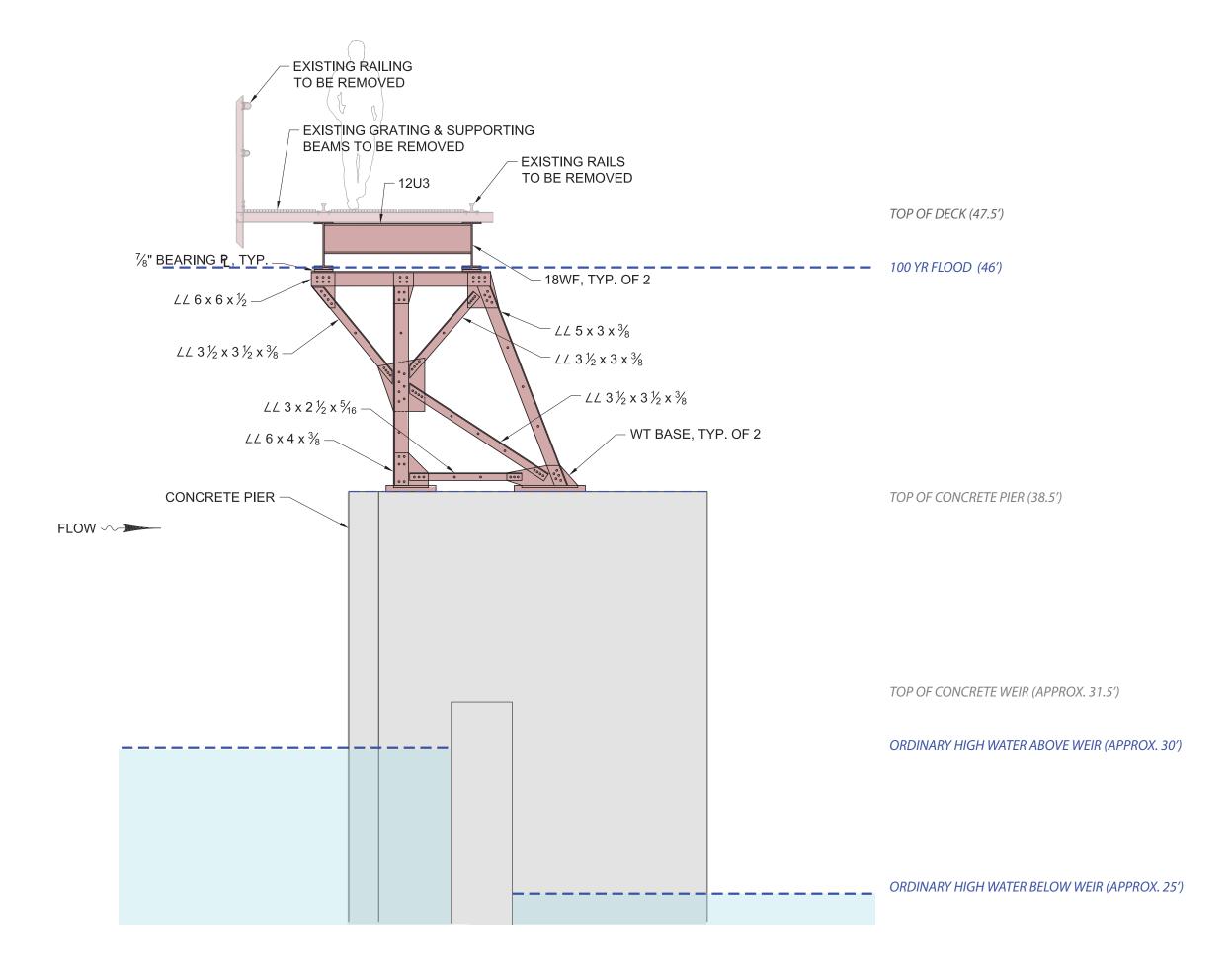
OPT. 2: COLORED LIGHTING

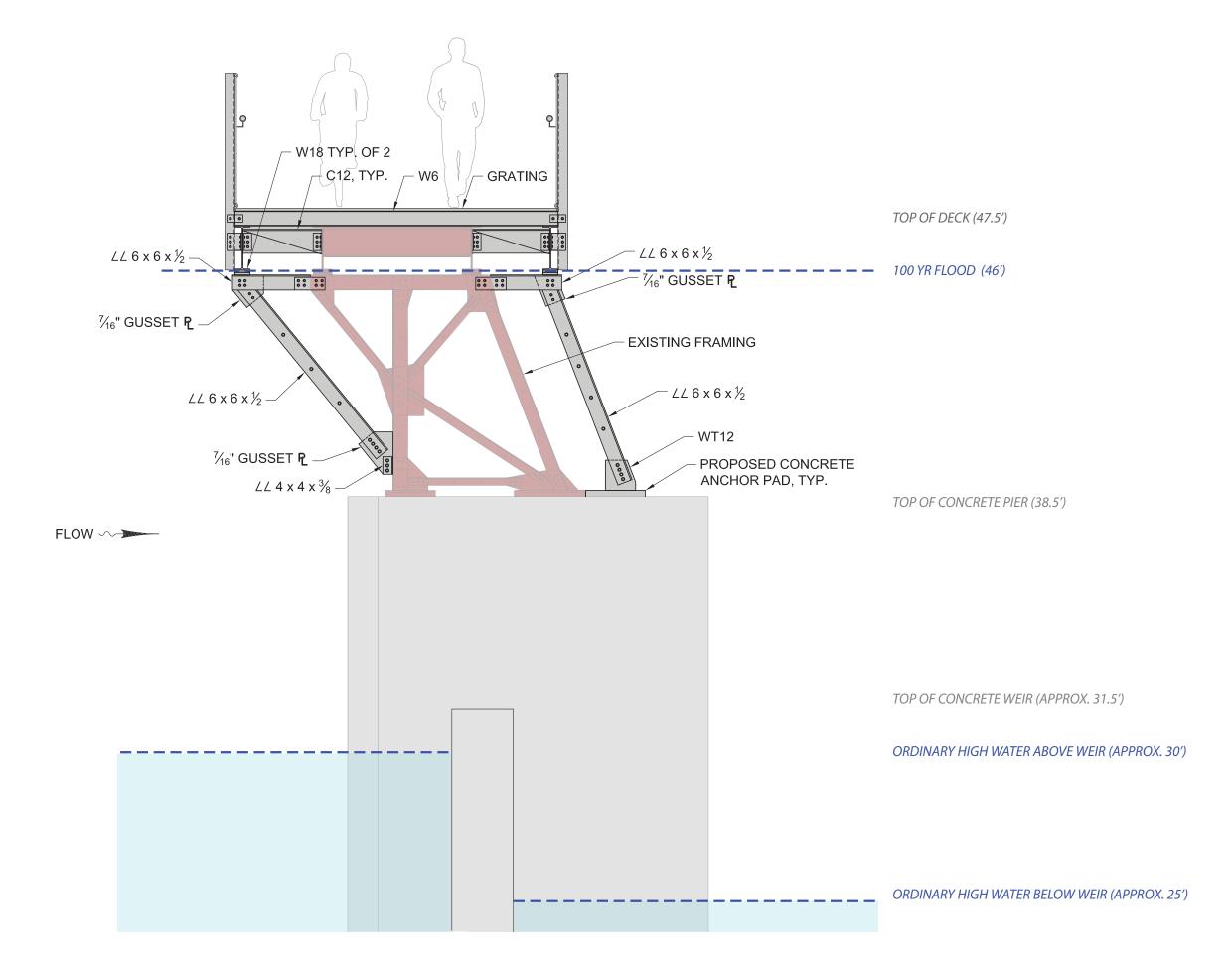


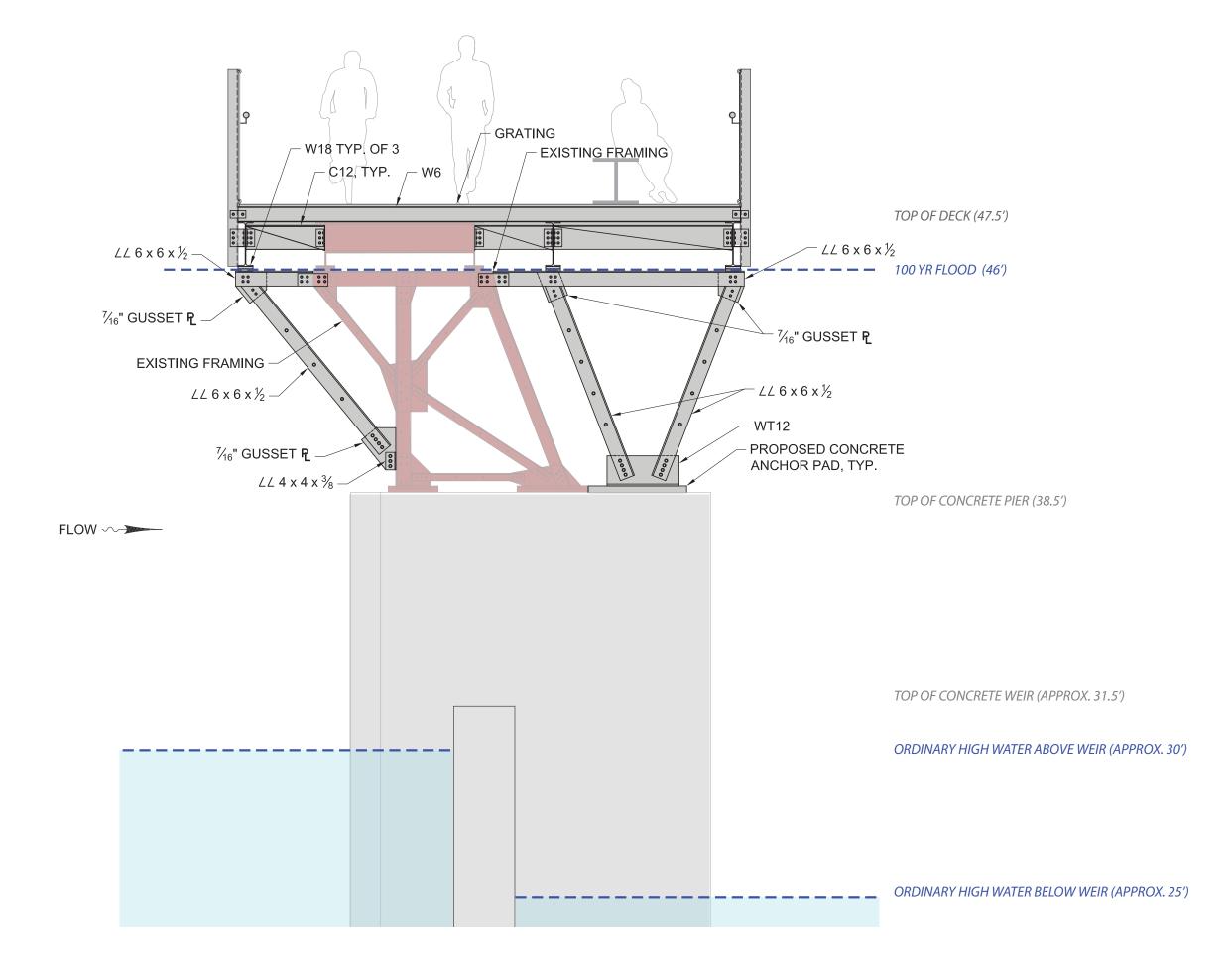
OPT. 3: DECORATIVE LIGHTED GUARDRAIL PLATES

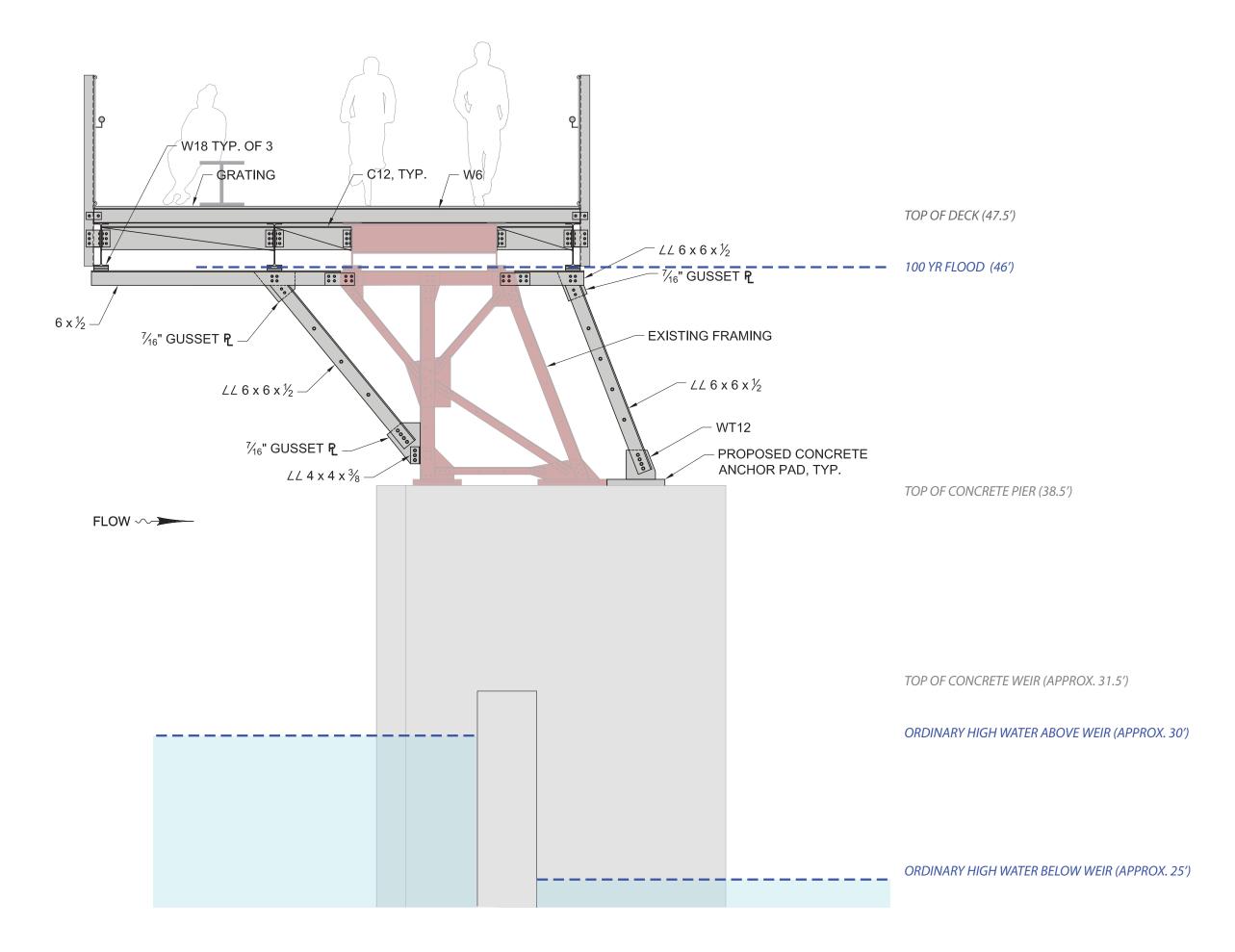




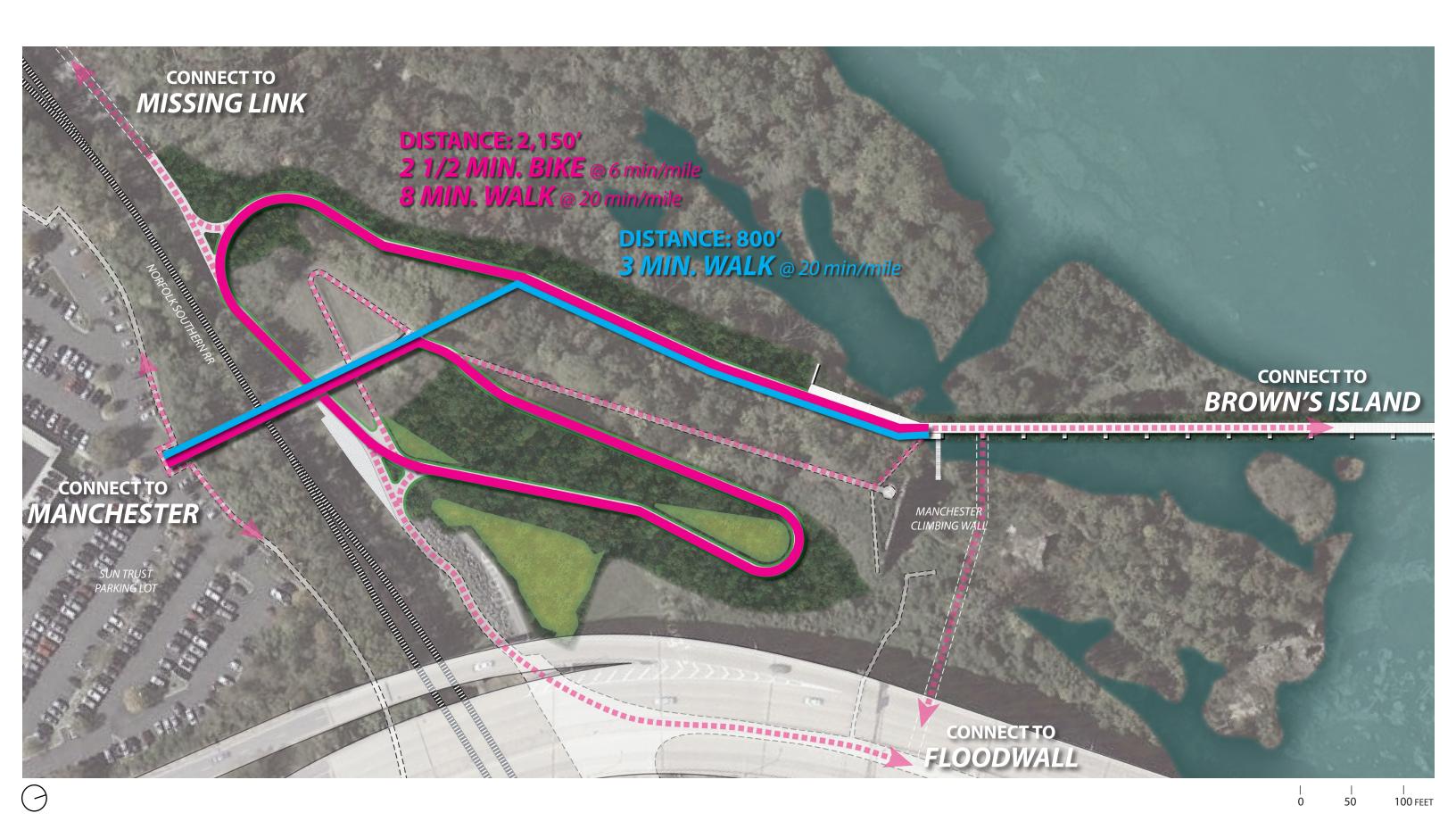


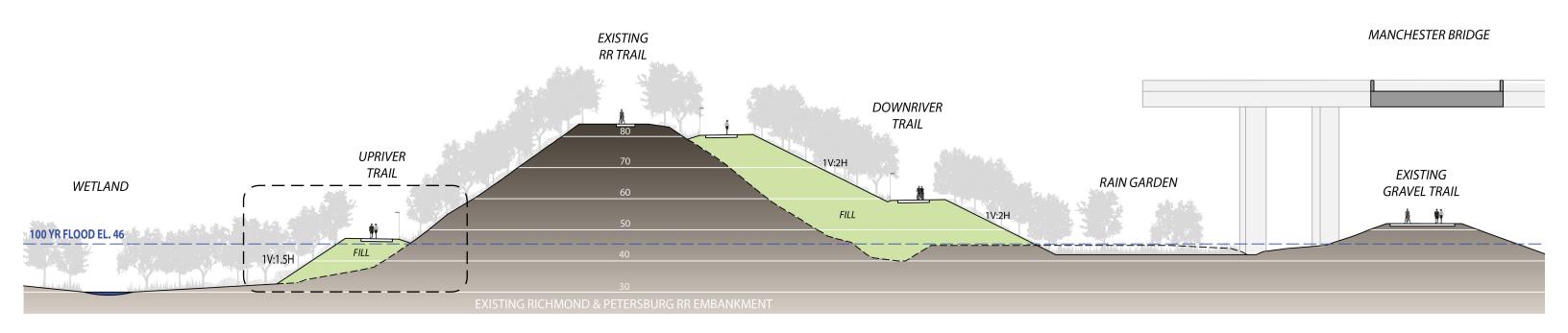


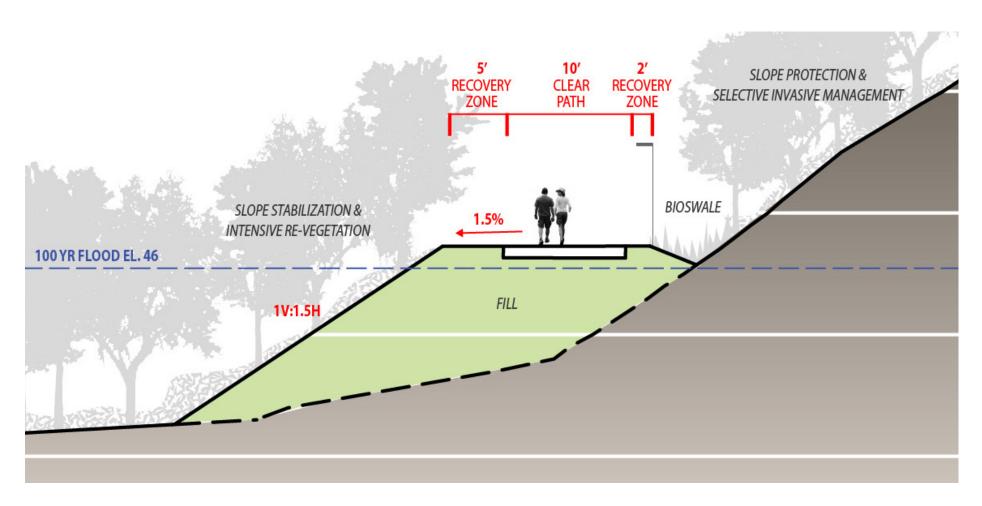


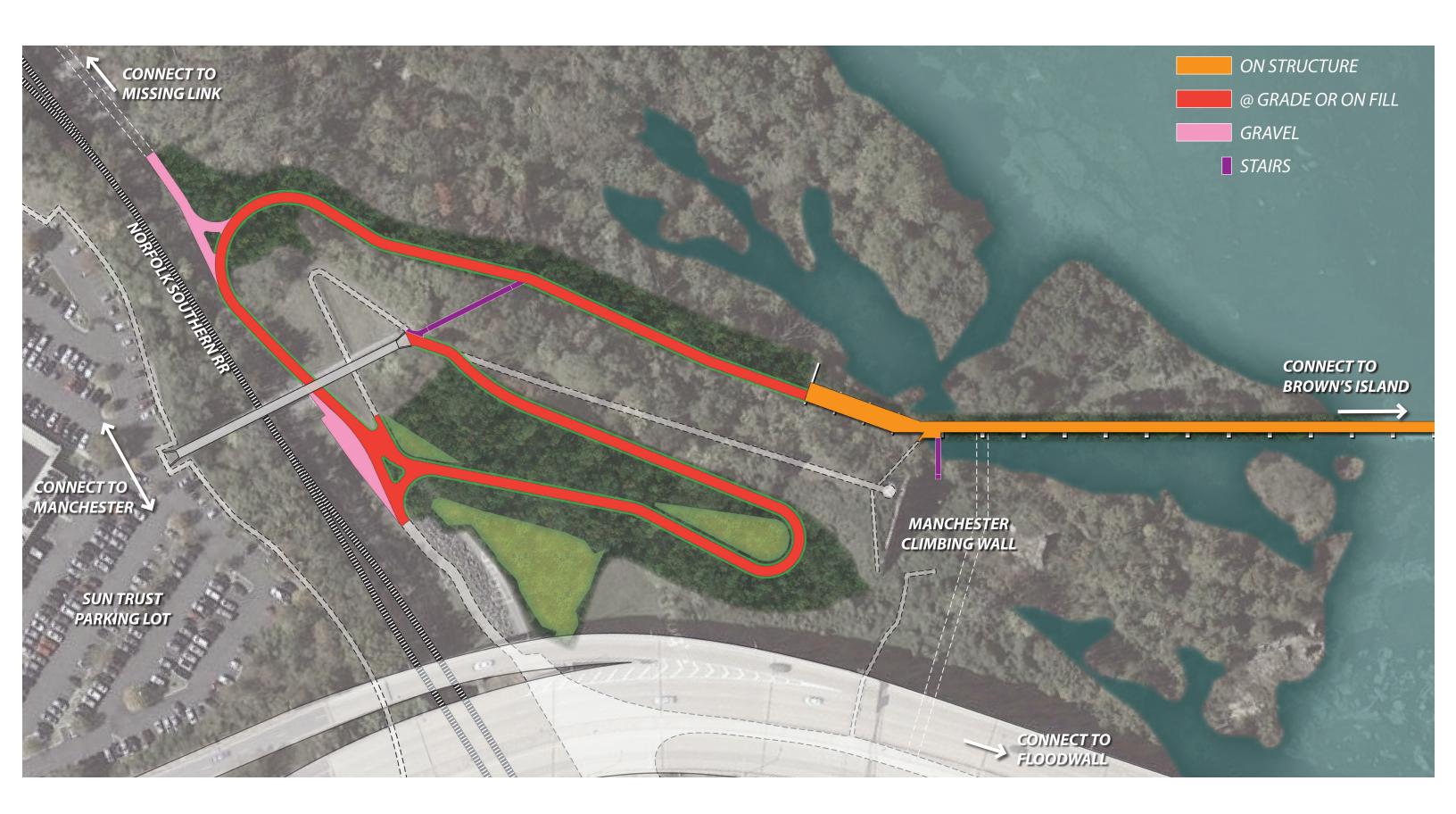


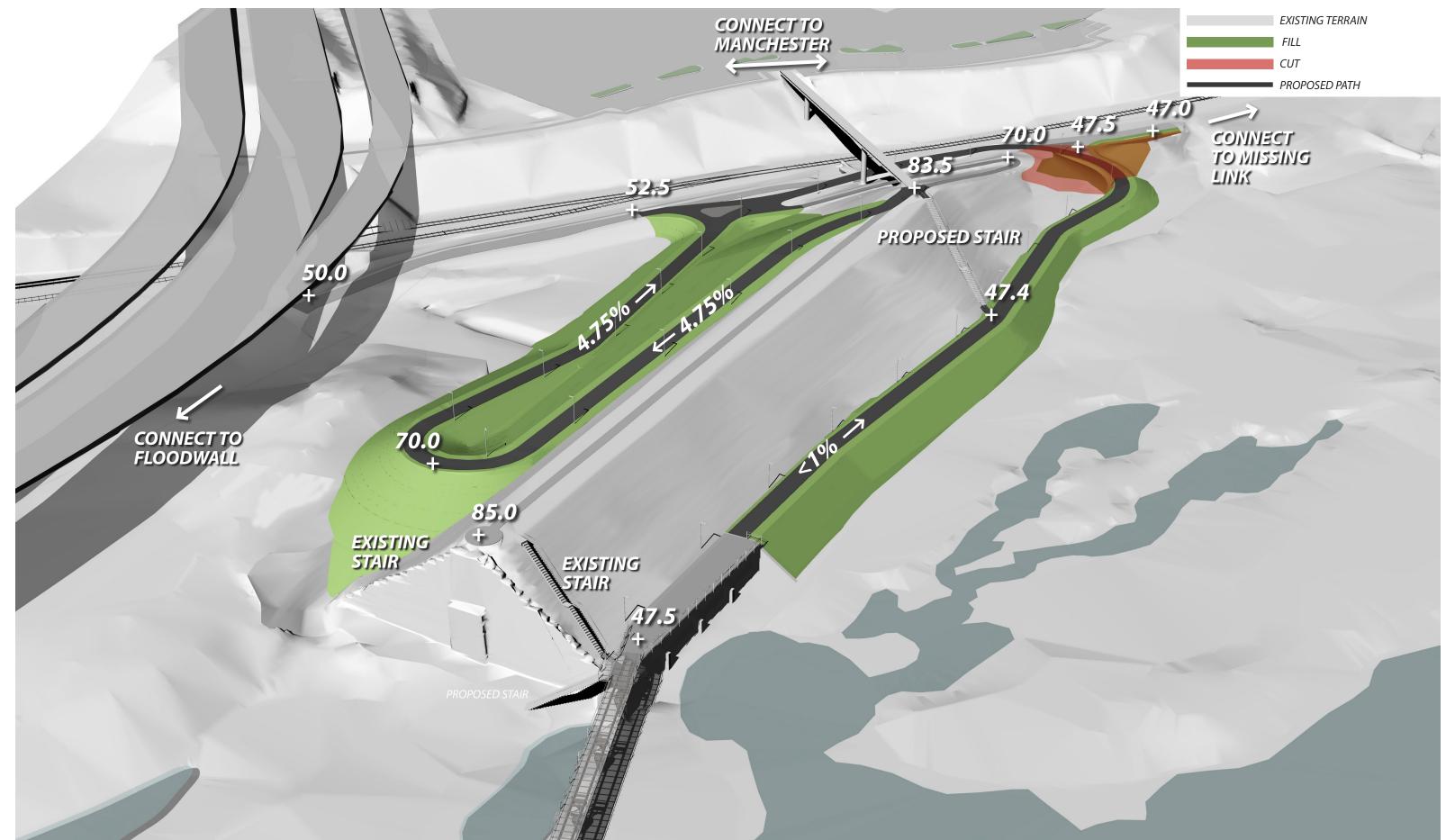


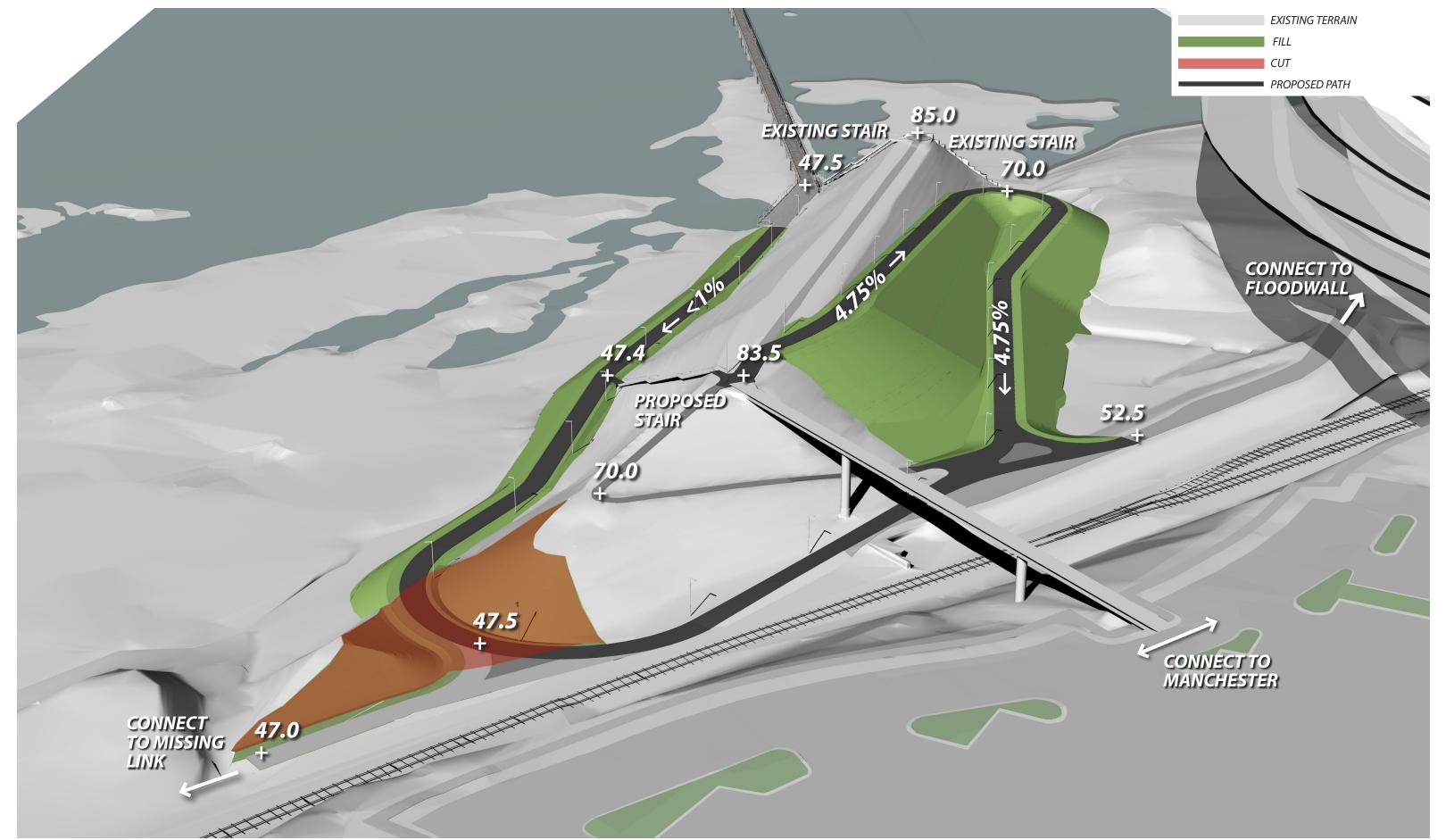


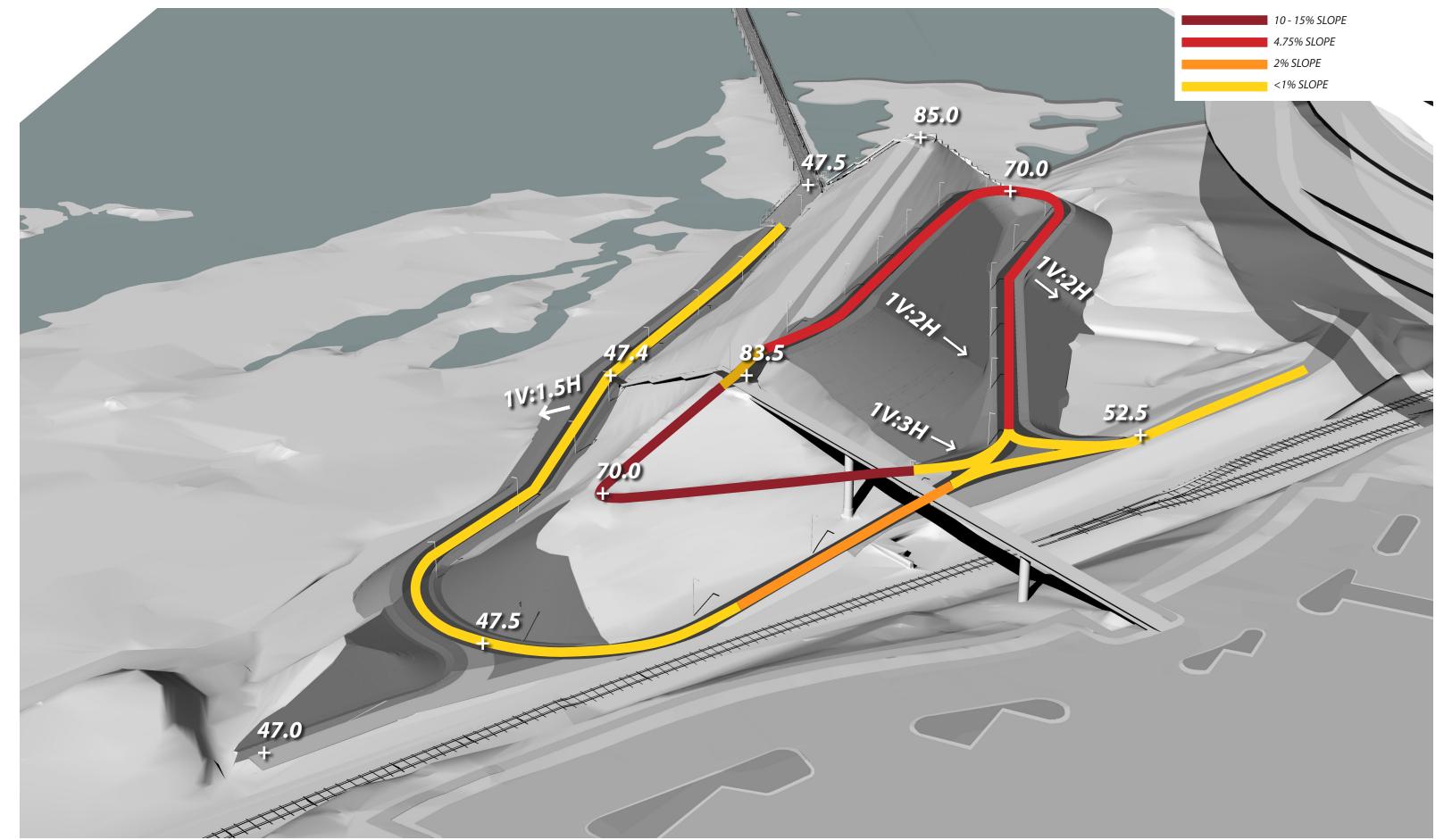


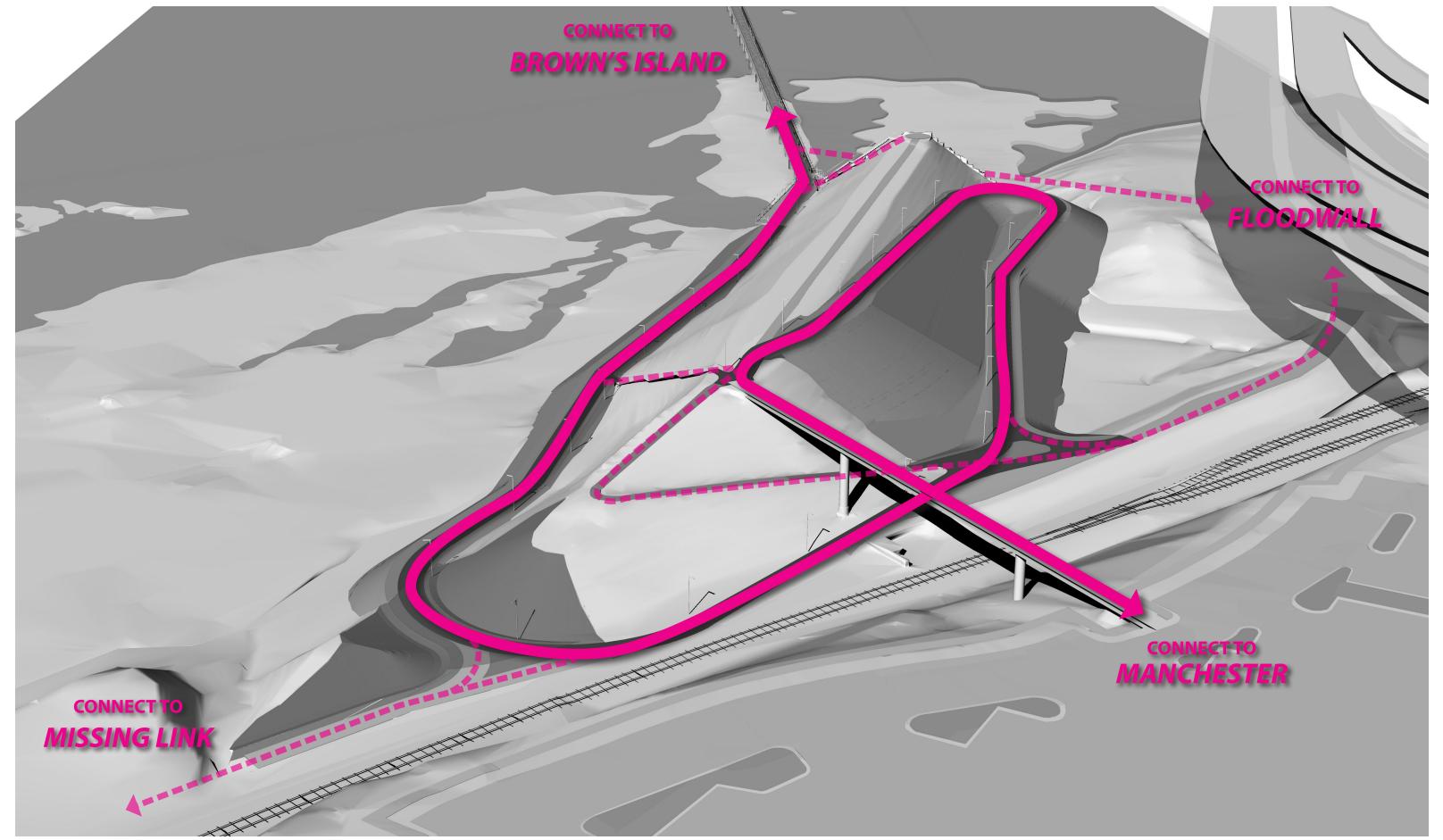


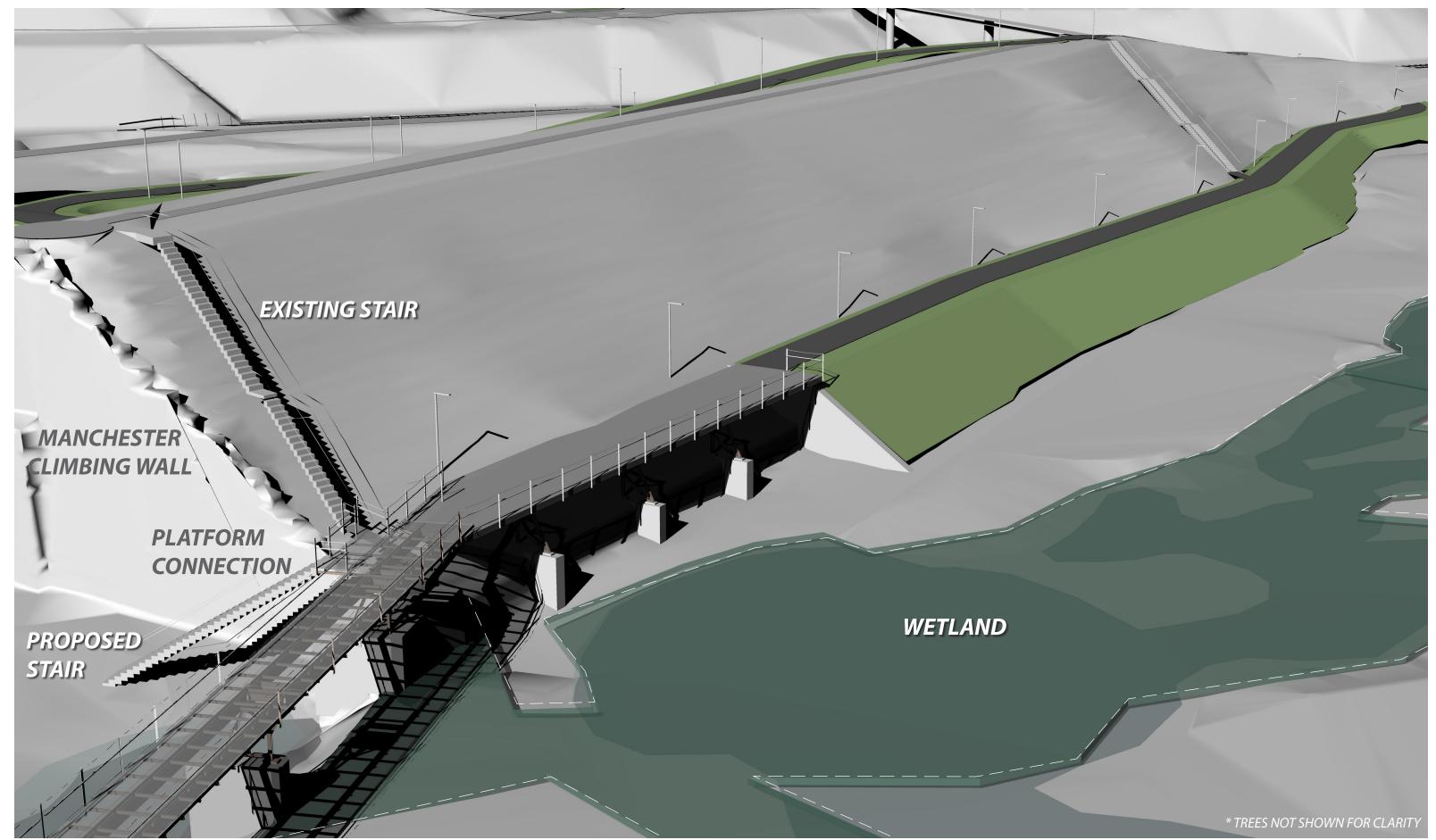


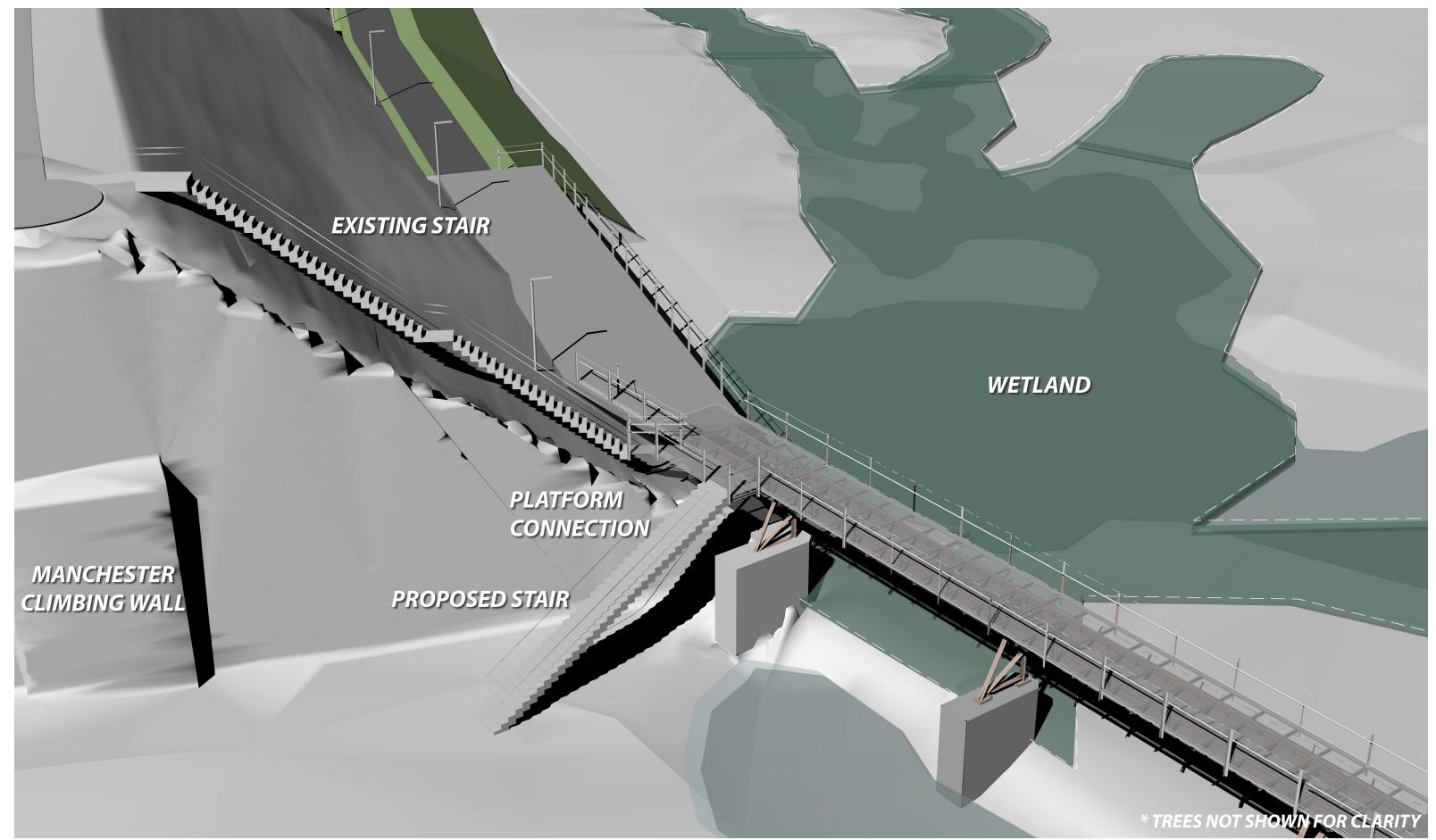


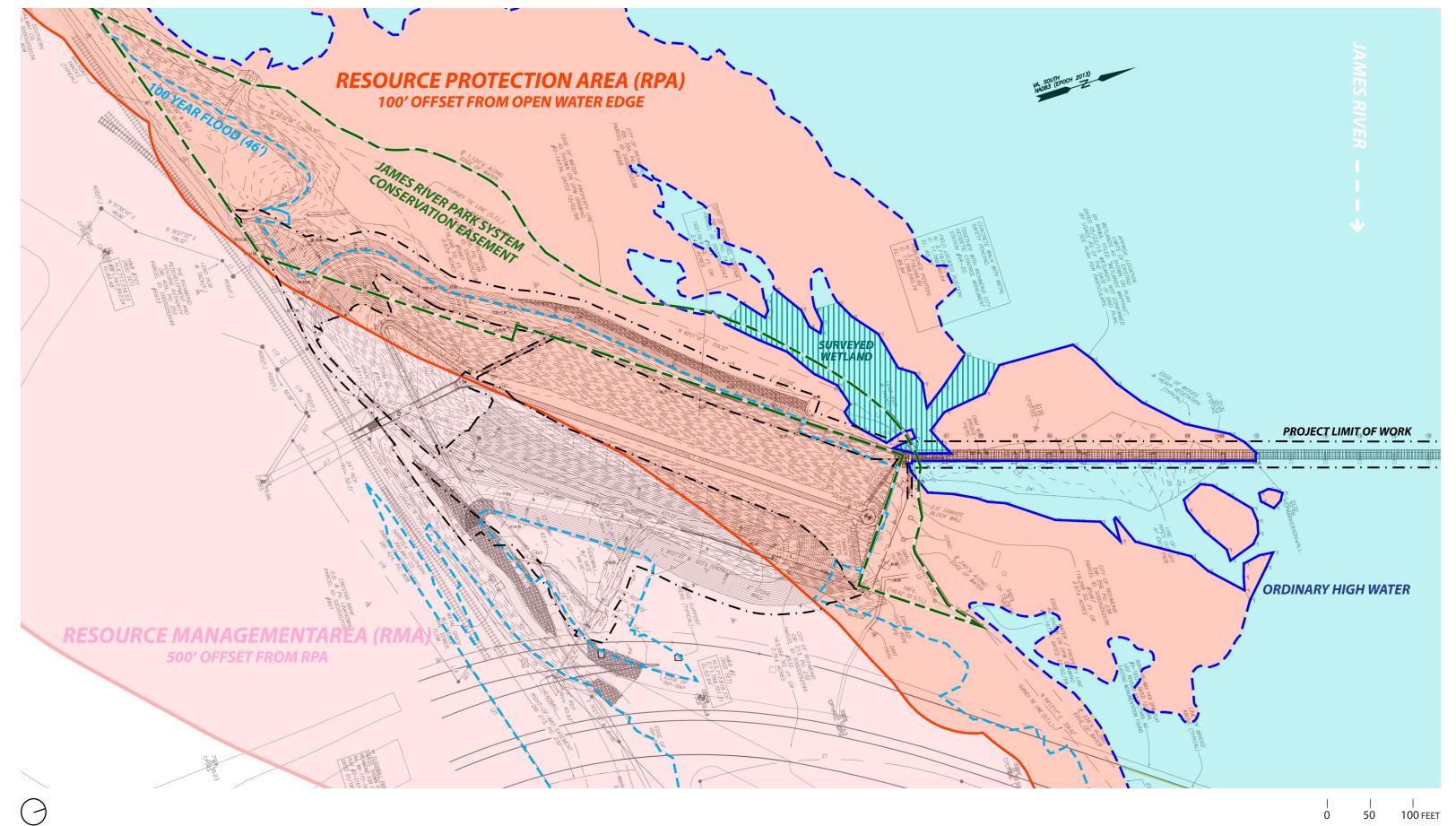




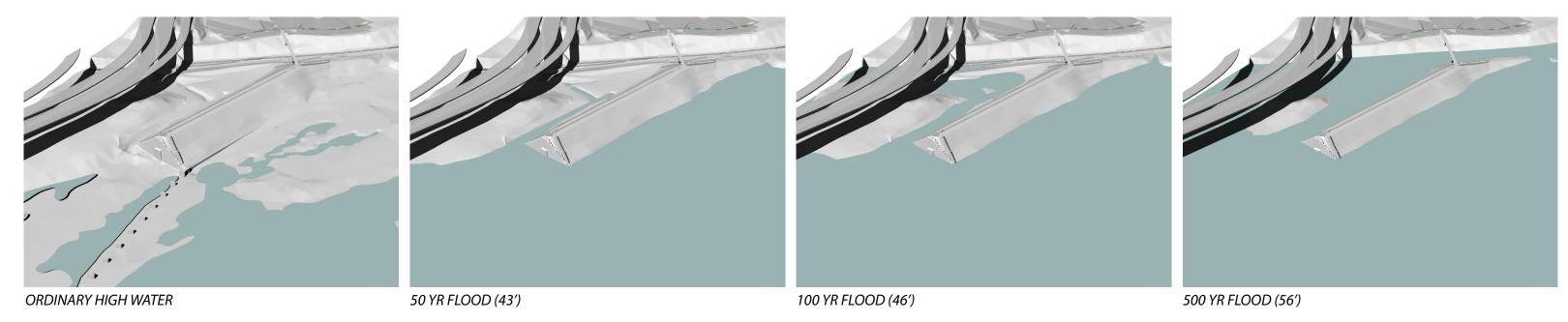




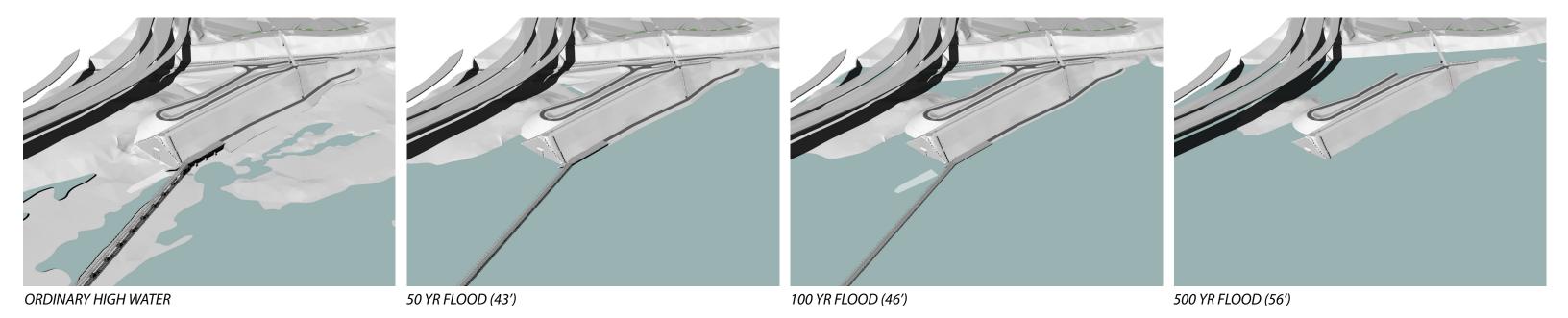


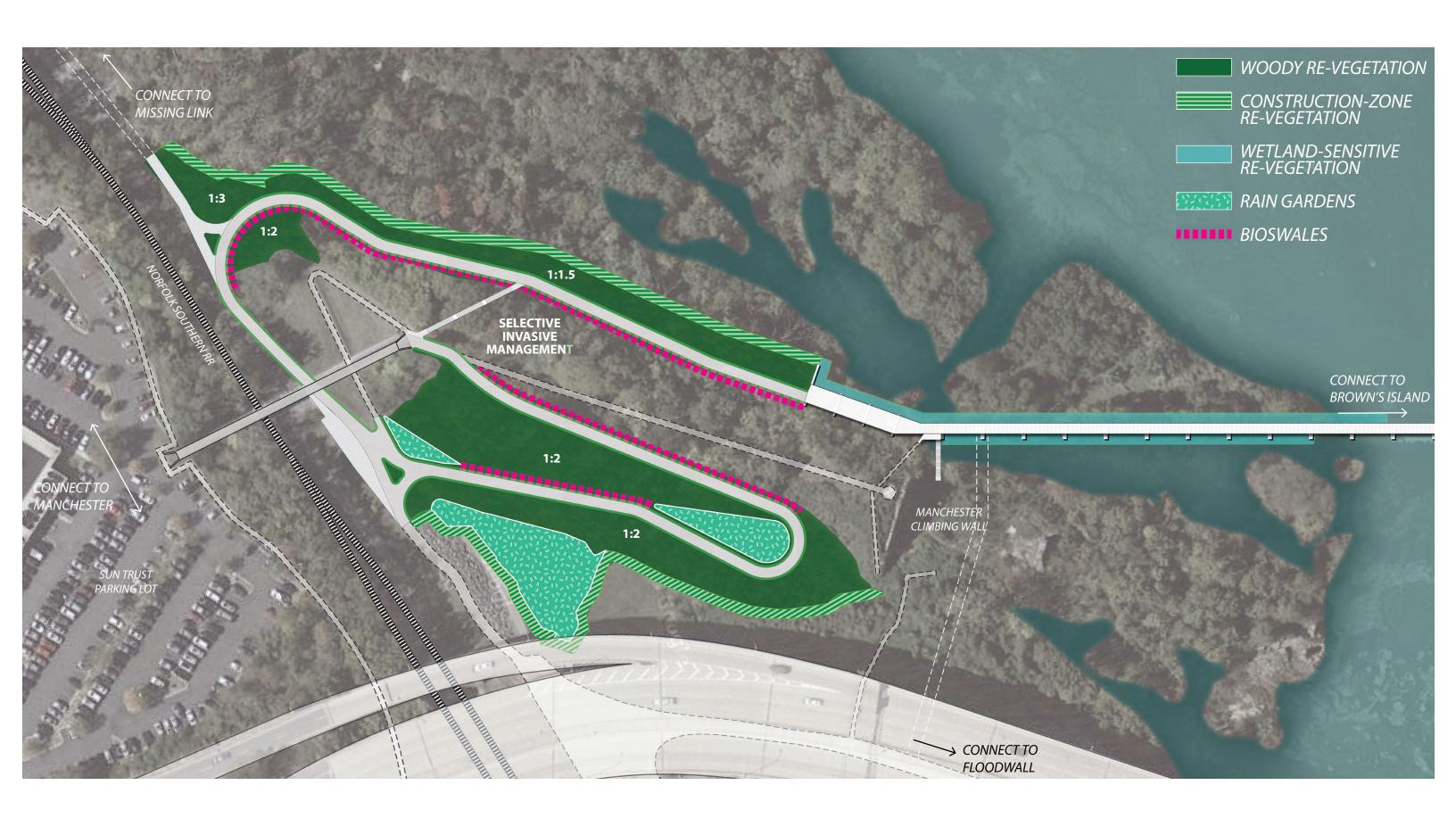


EXISTING



PROPOSED





- Re-vegetate with native and adaptive upland and wetland species

EXISTING CONDITION





INVASIVE SPECIES

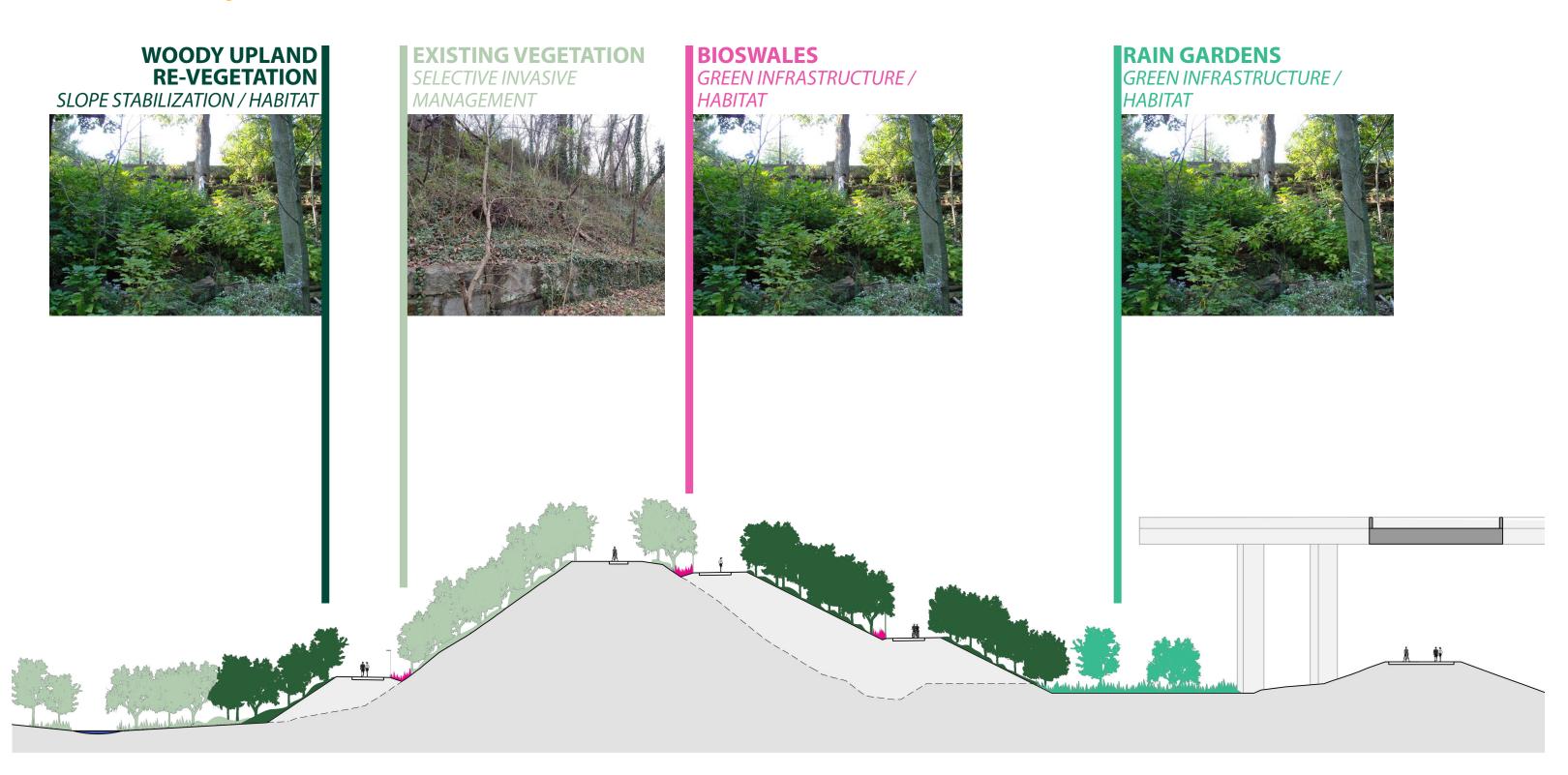
Pueraria Montana (Kudzu)
Lonicera japonica (Japanese honeysuckle)
Stellaria media (Chickweed)
Setaria faberi (Nodding foxtail)
Microstegium vimineum (Nepalese browntop)
Ailanthus altissima (Tree-of-heaven)
Albizia julibrissin (Silktree)
Ligustrum sinense (Chinese privet)
Ligustrum japonicum (Japanese privet)
Hedera helix (English ivy)
Glechoma hederacea (Ground ivy)

- Slope Stabilization Study by geotechnical consultant
- Existing Tree Survey
- Slope stabilization product (geoweb / geogrid / turfgrids) soil & vegetation
- Re-vegetate slope with native and adaptive woody species
- look for volunteer opportunities



Scientific Name	Common Name	Growth Form
Alnus serrulata (Aiton) Willd.	hazel alder	Shrub
Amelanchier canadensis (L.) Medik.	Canadian serviceberry	Shrub
Cornus amomum Mill.	silky dogwood	Shrub
Hamamelis virginiana L.	American witchhazel	Shrub
Lindera benzoin (L.) Blume	northern spicebush	Shrub
Sambucus nigra L. ssp. canadensis (L.) R.	American black elderberry	Shrub
Symphoricarpos orbiculatus Moench	coralberry	Shrub
Viburnum dentatum L.	southern arrowwood	Shrub
Viburnum prunifolium L.	blackhaw	Shrub
Acer negundo L.	boxelder	Tree
Acer rubrum L.	red maple	Tree
Betula nigra L.	river birch	Tree
Celtis occidentalis L.	common hackberry	Tree
Cercis canadensis L.	eastern redbud	Tree
Chionanthus virginicus L.	white fringetree	Tree
Cornus florida L.	flowering dogwood	Tree
Diospyros virginiana L.	common persimmon	Tree
Fagus grandifolia Ehrh.	American beech	Tree
Fraxinus pennsylvanica Marsh.	green ash	Tree
Ilex opaca Aiton	American holly	Tree
Liquidambar styraciflua L.	sweetgum	Tree
Liriodendron tulipifera L.	tuliptree	Tree
Nyssa sylvatica Marsh.	blackgum	Tree
Platanus occidentalis L.	American sycamore	Tree
Prunus serotina Ehrh.	black cherry	Tree
Quercus alba L.	white oak	Tree
Quercus phellos L.	willow oak	Tree
Quercus rubra L.	northern red oak	Tree
Sassafras albidum (Nutt.) Nees	sassafras	Tree
Ulmus americana L.	American elm	Tree

- Improve and expand native and adaptive habitat
- Green infrastructure to manage stormwater on site
- Provide public access to enhanced Richmond riverfront environment



AGENCY

CITY OF RICHMOND

JAMES RIVER PARK SYSTEM

U.S. ARMY CORPS OF ENGINEERS (USACE)

VA DEPT. OF CONSERVATION + RECREATION (DCR)

VA DEPT. OF ENVIRONMENTAL QUALITY (DEQ)

VA DEPT. OF GAME AND INLAND FISHERIES (DGIF)

VA DEPT. OF HISTORIC RESOURCES (DHR)

VA MARINE RESOURCES COMMISSION (MRC)

COORDINATION

clearing of vegetation within the RPA

review of conformance with JRPS Conservation Easement

temporary and/or permanent impacts to Waters of the U.S., including wetlands, if applicable

confirming if additional coordination is required

temporary and/or permanent impacts to Waters of the U.S., including wetlands, if applicable

confirming if additional coordination is required

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work conducted "on", "in", or "under" subaqueous bottoms, i.e., James River

ASPHALT

CRUSHED STONE



GUARDRAIL

TEXTURED STEEL

STAIRS











SLOPES + VEGETATION

SOIL-FILLED RIP RAP



SLOPE STABILIZATION GEOGRID



BIOSWALES COIR MAT



PLANTINGS NATIVE RIPARIAN & UPLAND SPECIES



CREE SLM SERIES



PIL USA SYSTEMPARK LINE

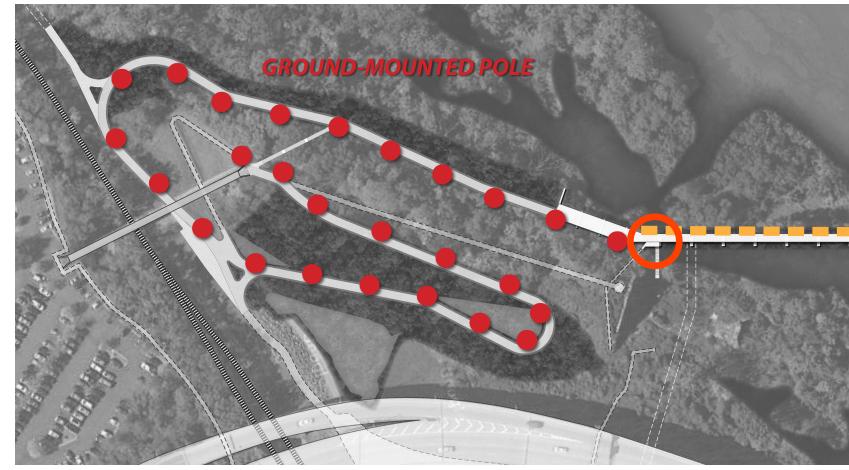


GARDCO - PUREFORM



GARDCO - ECOFORM





(A) ID SIGN

B TRAILHEAD

G REGULATORY

DIRECTIONAL

INTERPRETIVE

