

Touch the Water Promenade

Concept Design Overview

May 2021

Learn more at edmonton.ca/touchthewater

Edmonton

EDMONTON, ALBERTA, CANADA

TOUCH THE WATER PROMENADE CONCEPT DESIGN | MAY 2021



CONTENTS

PROJECT AREAS

PROJECT VISION

CONCEPT DESIGN BY AREA:

GOVERNMENT HOUSE PARK &
GROAT DAYLIGHTING

GROAT BRIDGE

SPLIT PATH PROMENADE

VICTORIA

COMBINED PATH PROMENADE

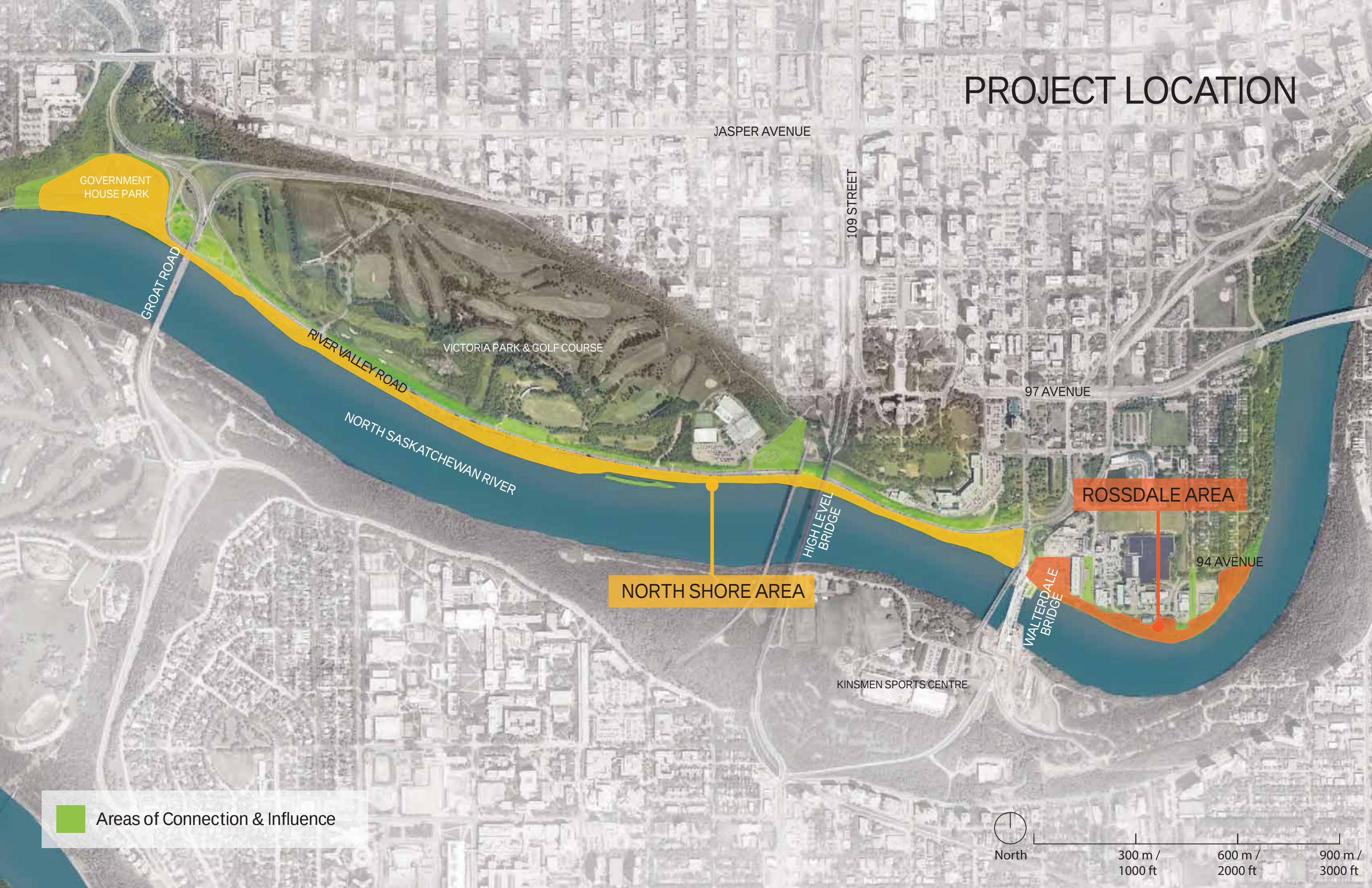
HIGH LEVEL BRIDGE HILL

THE DECK

ROSSDALE POWER PLANT

ROSSDALE BEND

PROJECT LOCATION

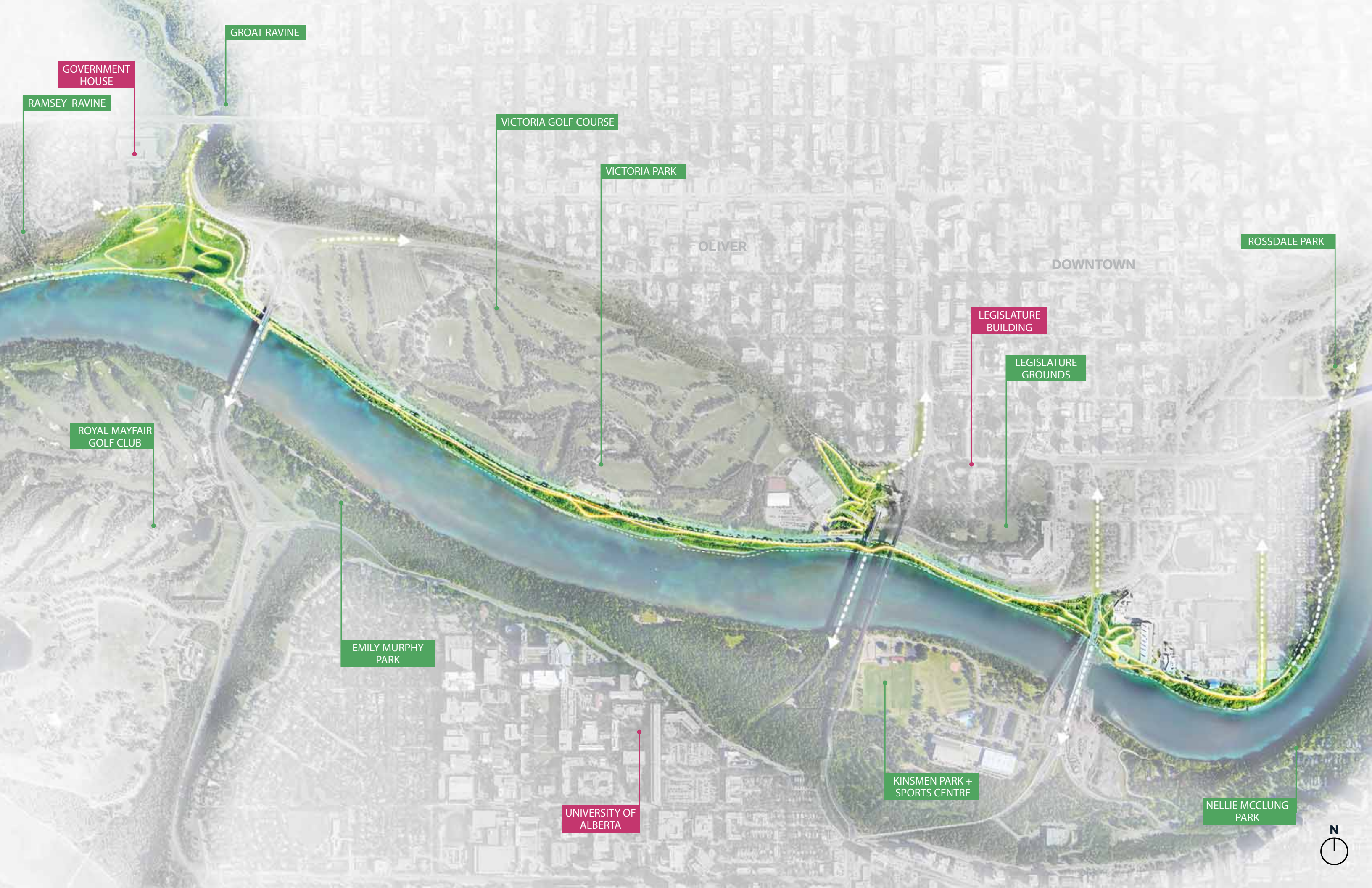


Touch the Water Promenade Vision

Instantly recognizable as Edmonton's premiere riverfront destination, this incredibly vibrant **outdoor public space** evokes a unique sense of place in Canada's northernmost major city.

The Touch the Water Promenade **celebrates** the central River Valley's multi-layered history and special significance to Indigenous Nations and Communities, **restores** its natural systems and resiliency, and **re-connects** the central city to the river.

By improving **access** into and within the river valley network, the Promenade provides diverse opportunities for riverfront **gathering** and **recreation** not found anywhere else in the region.



RAMSEY RAVINE

GOVERNMENT HOUSE

GROAT RAVINE

VICTORIA GOLF COURSE

VICTORIA PARK

OLIVER

DOWNTOWN

ROSSDALE PARK

ROYAL MAYFAIR GOLF CLUB

LEGISLATURE BUILDING

LEGISLATURE GROUNDS

EMILY MURPHY PARK

UNIVERSITY OF ALBERTA

KINSMEN PARK + SPORTS CENTRE

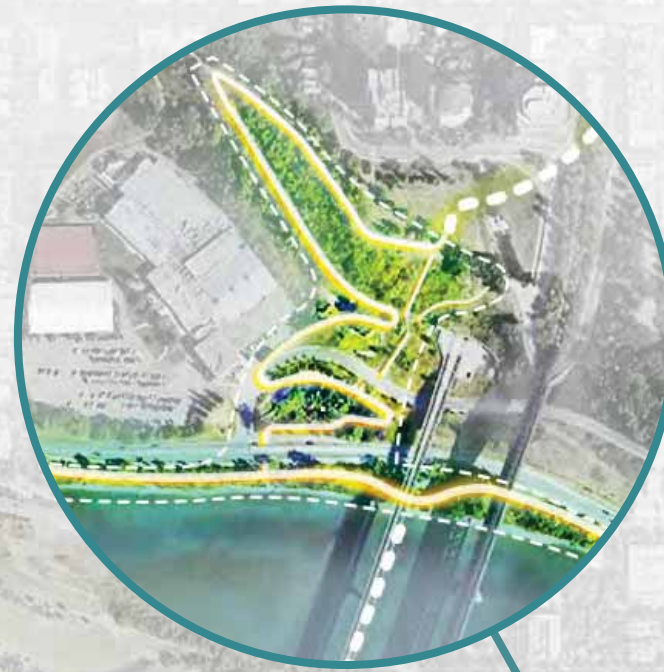
NELLIE MCCLUNG PARK



TOUCH THE WATER CONCEPT

PROPOSAL

HIGH LEVEL BRIDGE HILL



ROSSDALE POWER PLANT



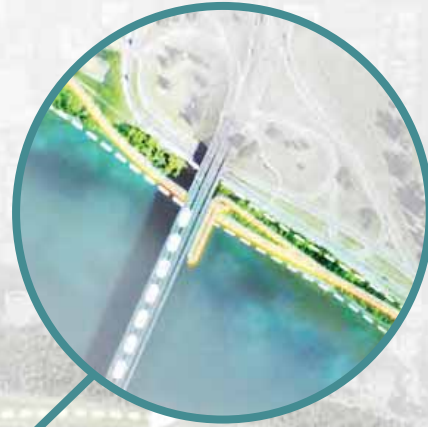
GOVERNMENT HOUSE PARK
& GROAT DAYLIGHTING



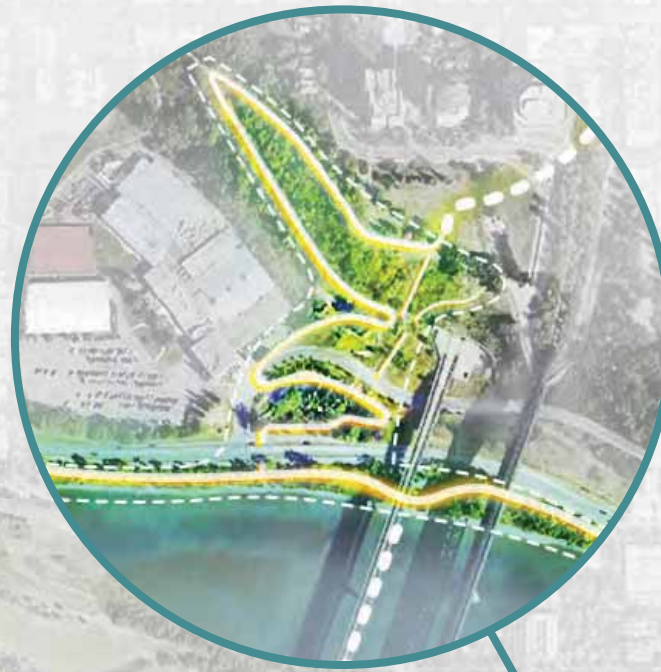
TOUCH THE WATER CONCEPT

PROPOSAL

GROAT BRIDGE
CONNECTION



HIGH LEVEL BRIDGE HILL



ROSSDALE POWER PLANT



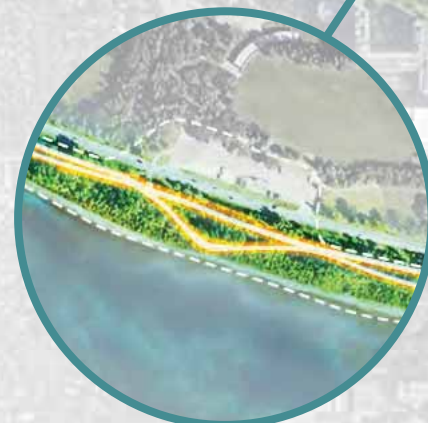
ROSSDALE BEND
OVERLOOK



GOVERNMENT HOUSE PARK
& GROAT DAYLIGHTING



VICTORIA PARK
OVERLOOK

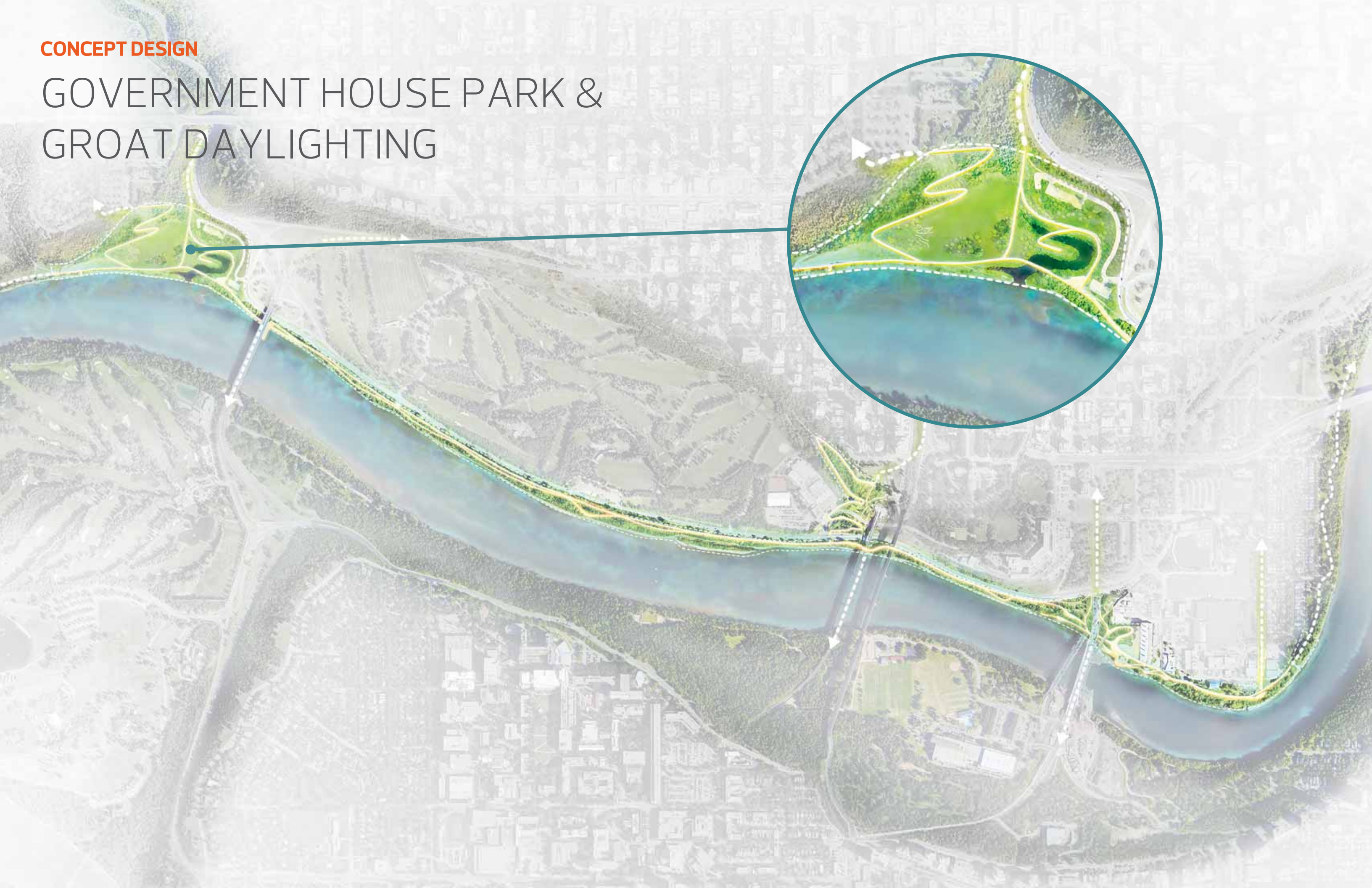


RIVER DECK OVERLOOK BELOW
THE LEGISLATURE GROUNDS



CONCEPT DESIGN

GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING



GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

EXISTING CONDITION



GOVERNMENT
HILL

PARKING LOT

STORMWATER
TREATMENT
FACILITY

LAWN BUFFER

GROAT ROAD NW

MULTI-USE
TRAIL

PICNIC
TABLES

PARKING LOT

RIVER VALLEY RD NW

DRAINAGE
OUTFALL

VEGETATED
RIVER BANK

GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

PROPOSAL



GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

PROPOSAL



GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

EARLY 20TH CENTURY FABRIC

RAVINES DISTINCT FROM CITY



GROAT RAVINE c. 1913



PROPOSED FREEWAY NETWORK c. 1960s



PROPOSED MacKINNON RAVINE FREEWAY

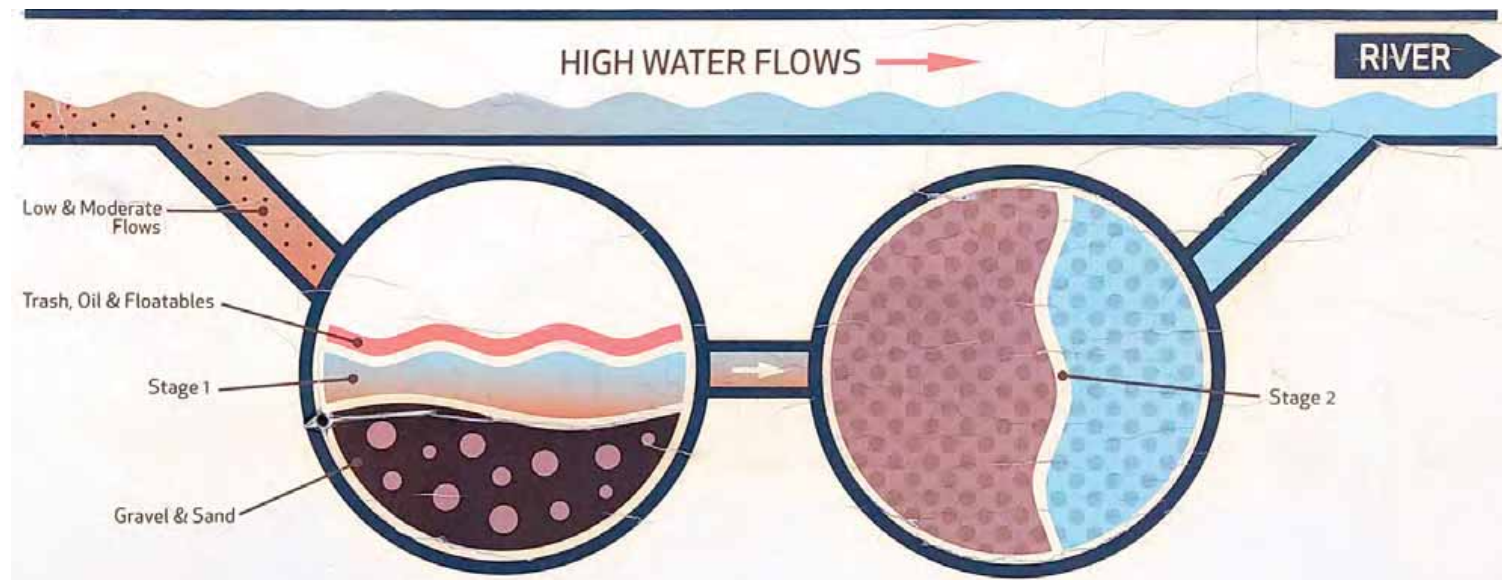


PARK AS RESULT OF PARTIAL COMPLETION



GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

GROAT STORM BASIN END-OF-PIPE TREATMENT FACILITY UPGRADE

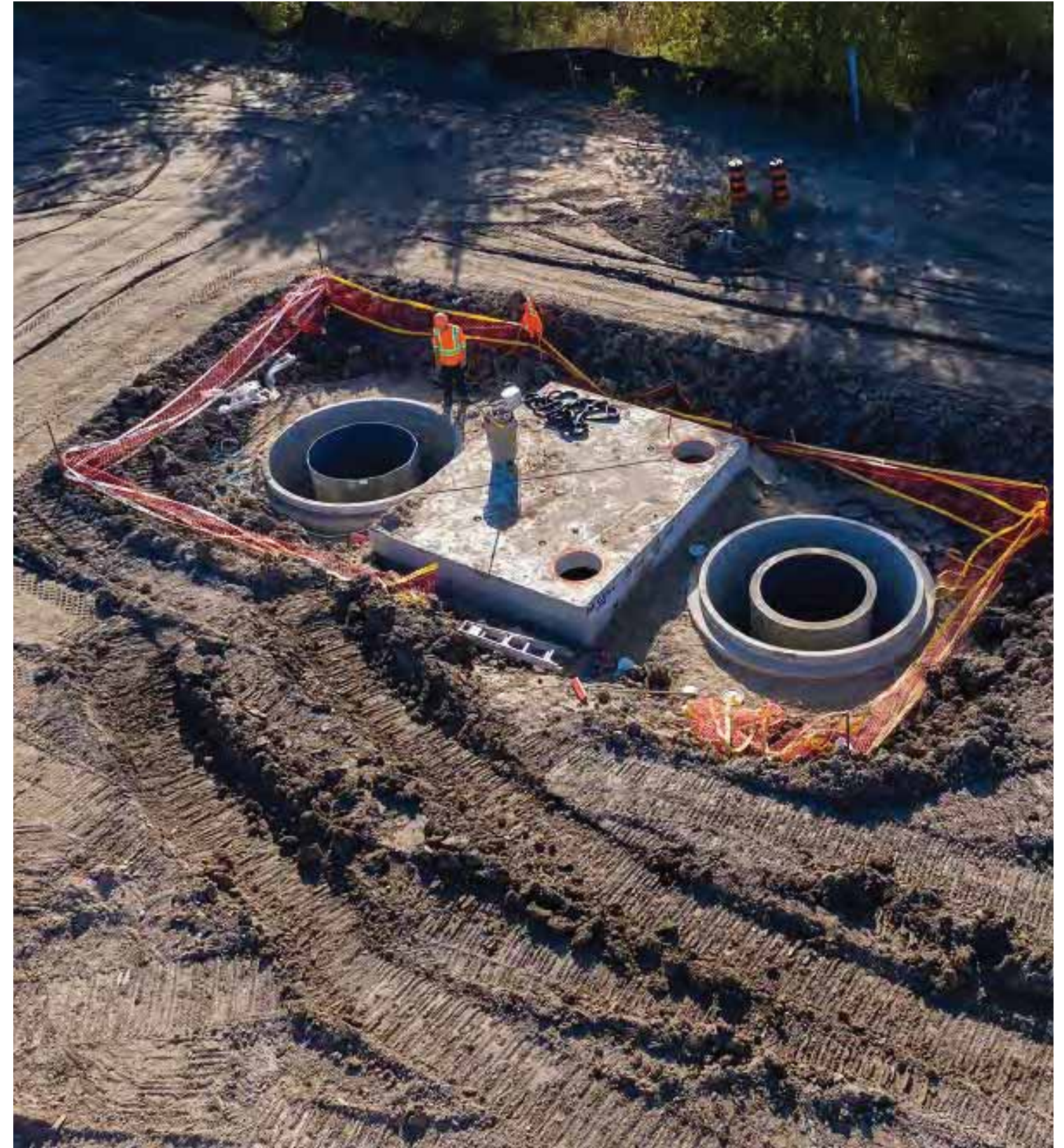


GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

RETAIN END-OF-PIPE TREATMENT

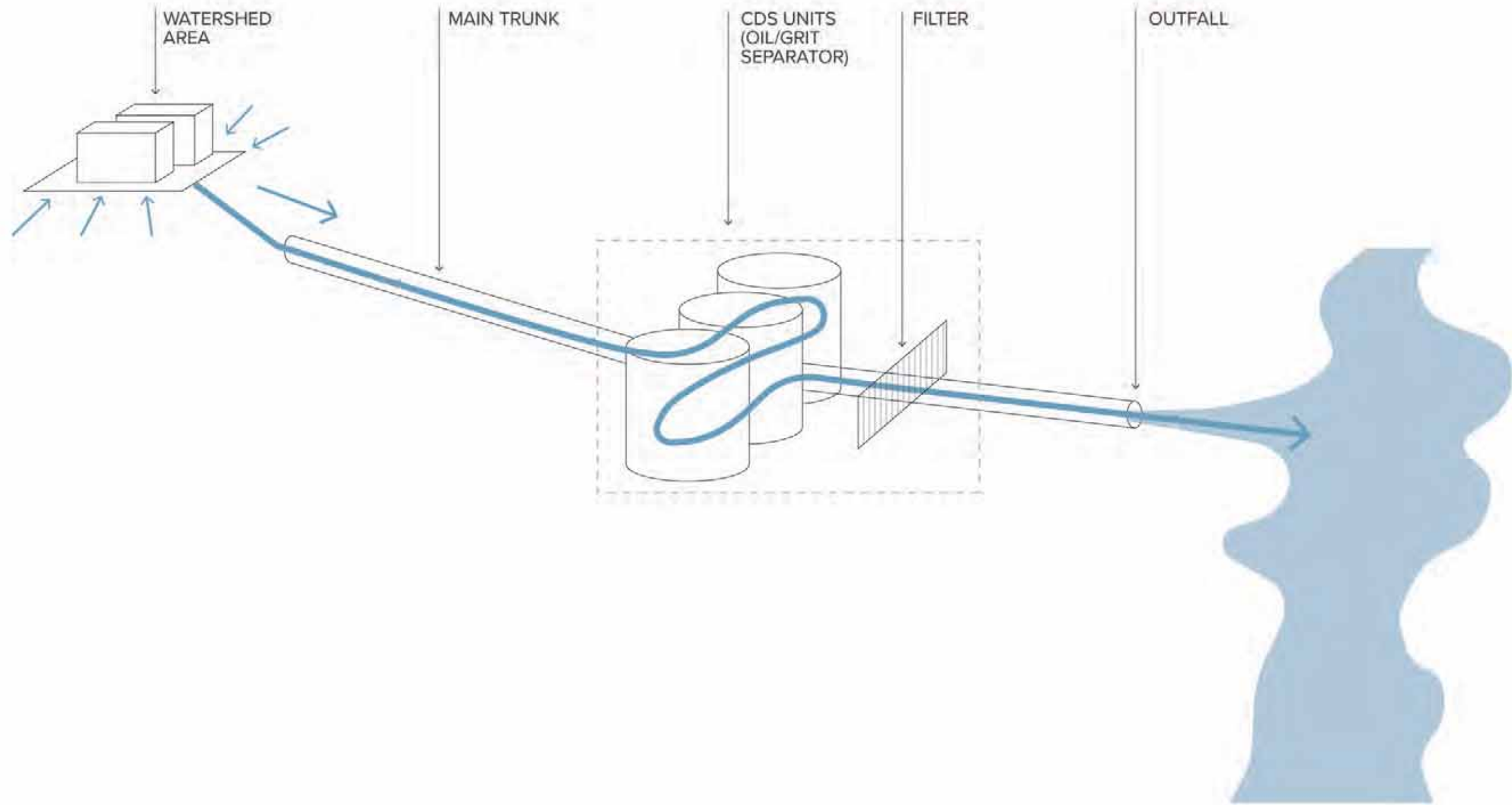


GROAT RAVINE UNDERGROUND TREATMENT



CDS UNITS (TYPICAL)

EXISTING STORMWATER SYSTEM



GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

RETAINED INFRASTRUCTURE



OIL/GRIT
SEPARATOR
CDS UNITS

GROAT ROAD NW

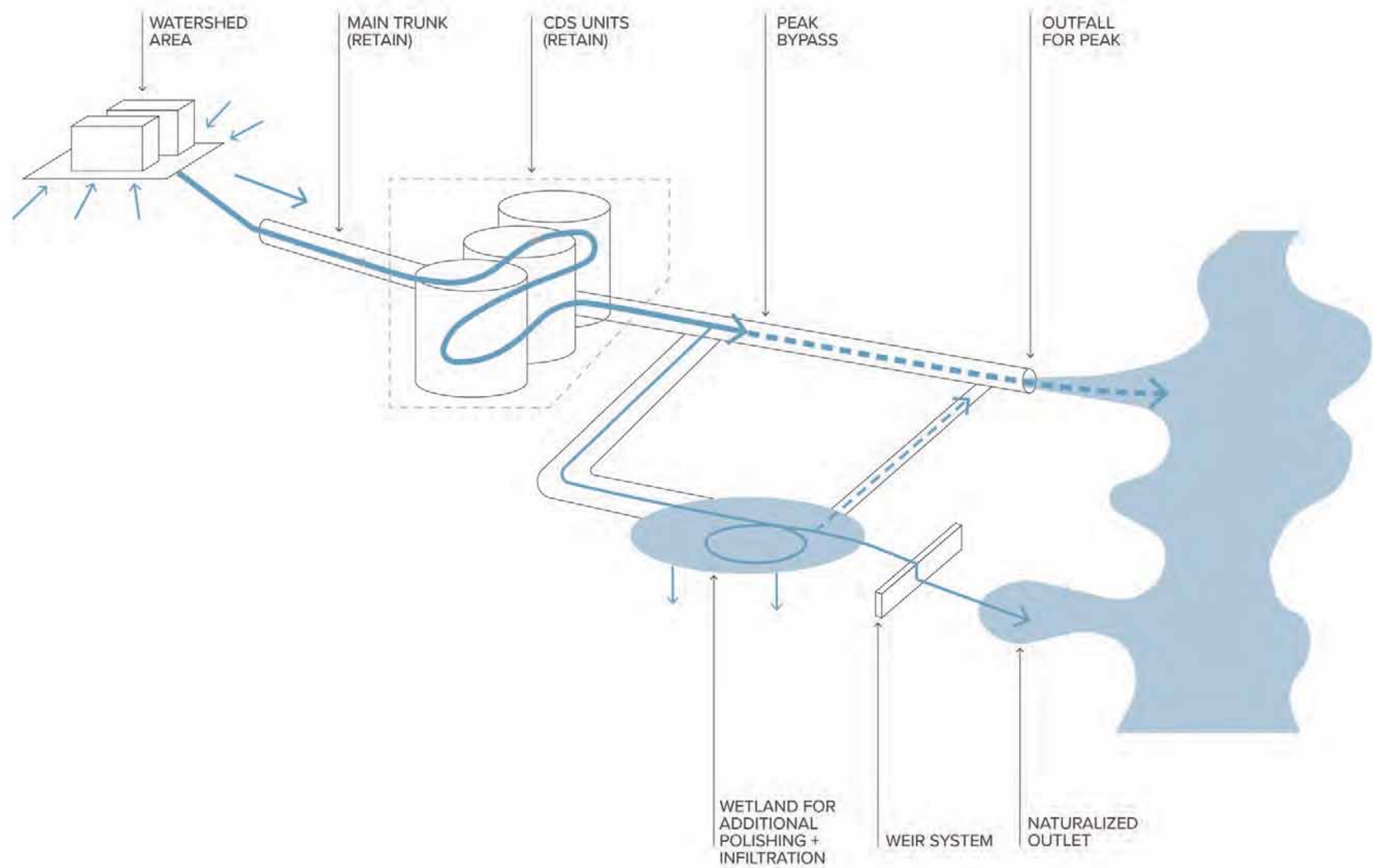
ROADWAY

SUB-GRADE
TRUNK

RIVER VALLEY RD NW

STORM
OUTFALL

PROPOSED STORMWATER SYSTEM



PROPOSED CONDITION: DEEP WATER MARSH



PROPOSED CONDITION: RIVER SYSTEM (OFF-CHANNEL INLET)



GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

EXISTING CONDITION



GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021

Design by: DUB ARCHITECTS

STOSS

ISL ENGINEERING

GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

PRECEDENT: DALE HODGES PARK (CALGARY)



STORMWATER TREATMENT, WILDLIFE HABITAT



ACCESS AND CIRCULATION

GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

PRECEDENT: WETLANDS



ELK ISLAND



PYLYPOW STORMWATER TREATMENT WETLAND (AND KENNEDALE)

PROPOSED CONDITION: VEGETATION



PROPOSED CONDITION: WILDLIFE MOVEMENT



GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

EXISTING CONDITION



GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING
PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

GOVERNMENT HOUSE PARK & GROAT DAYLIGHTING

PRECEDENT: BROOKLYN BRIDGE PARK



FLEXIBLE LAWNS HOSTING EVENTS

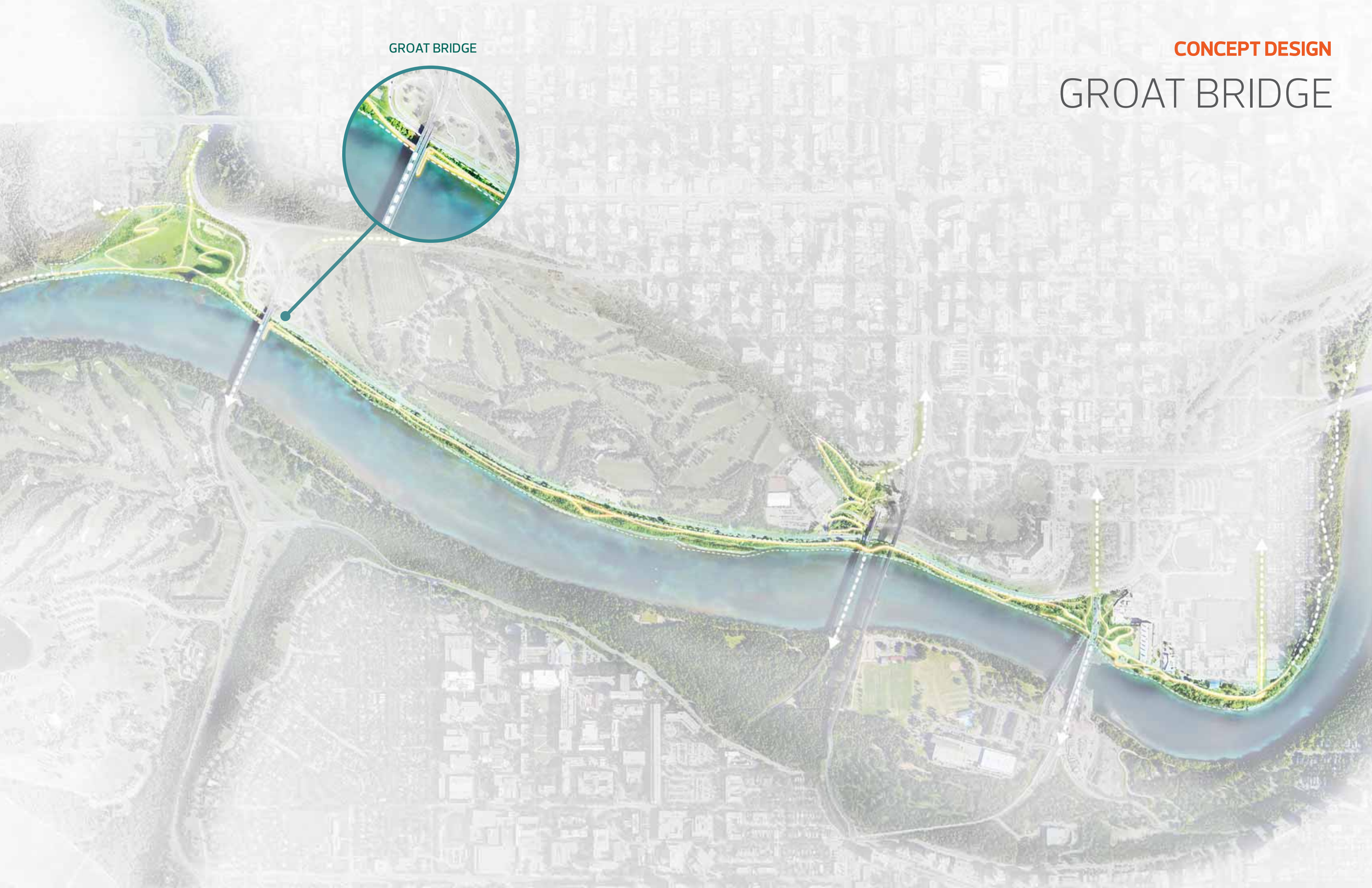


FRAMING VIEWS

GROAT BRIDGE

CONCEPT DESIGN

GROAT BRIDGE



GROAT BRIDGE

EXISTING CONDITION



GROAT BRIDGE

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

GROAT BRIDGE

PROPOSAL



GROAT BRIDGE

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021

Design by: DUB ARCHITECTS

STOSS

ISL ENGINEERING

GROAT BRIDGE

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021

Design by: DUB ARCHITECTS

STOSS

ISL ENGINEERING

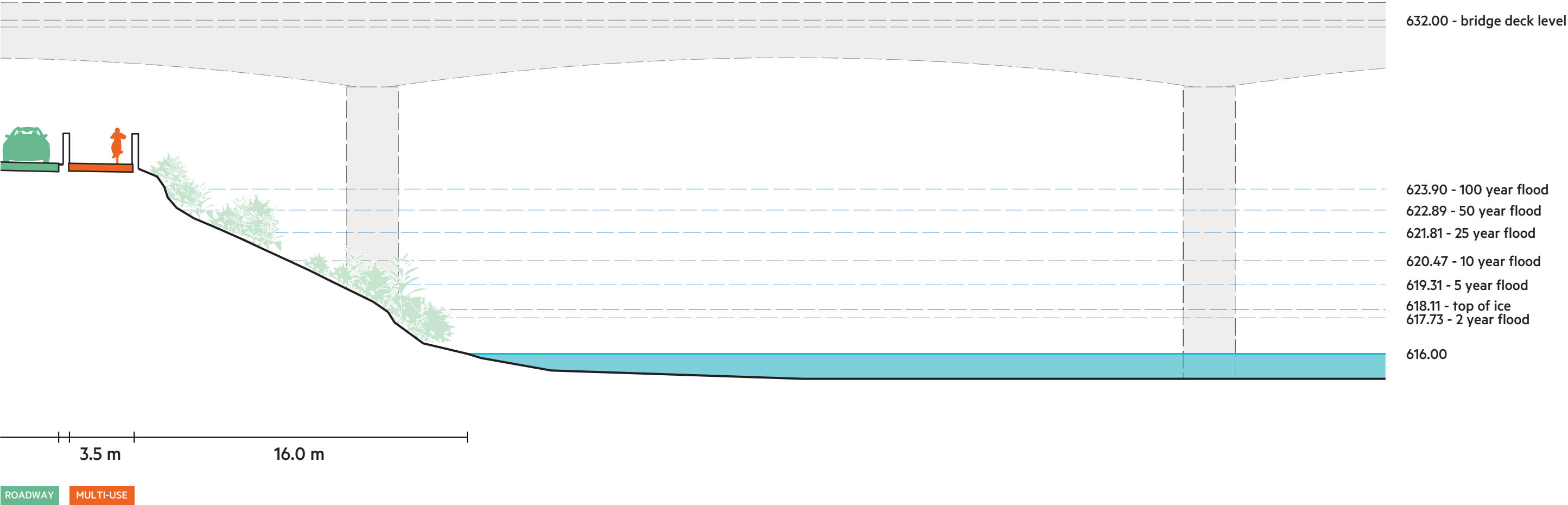
GROAT BRIDGE

EXISTING PATHWAYS CONDITION



GROAT BRIDGE

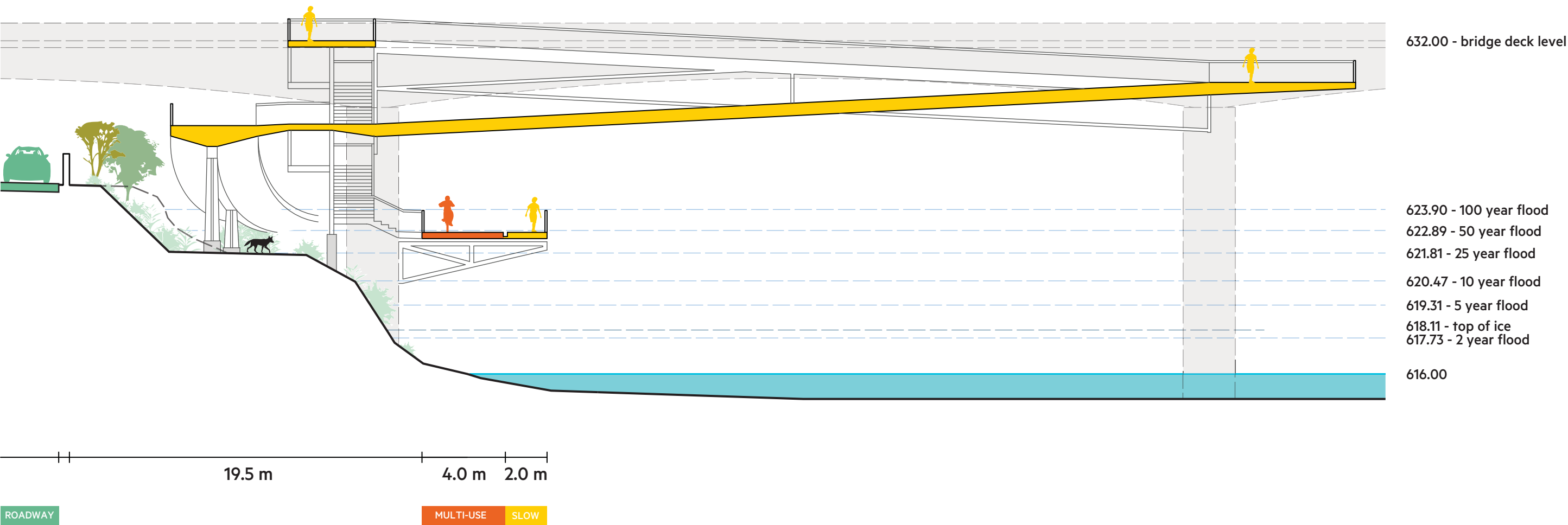
EXISTING PATHWAYS CONDITION



EXISTING

GROAT BRIDGE

PROPOSED PATHWAYS



PROPOSED

SPLIT PATH PROMENADE

EXISTING PATHWAYS CONDITION



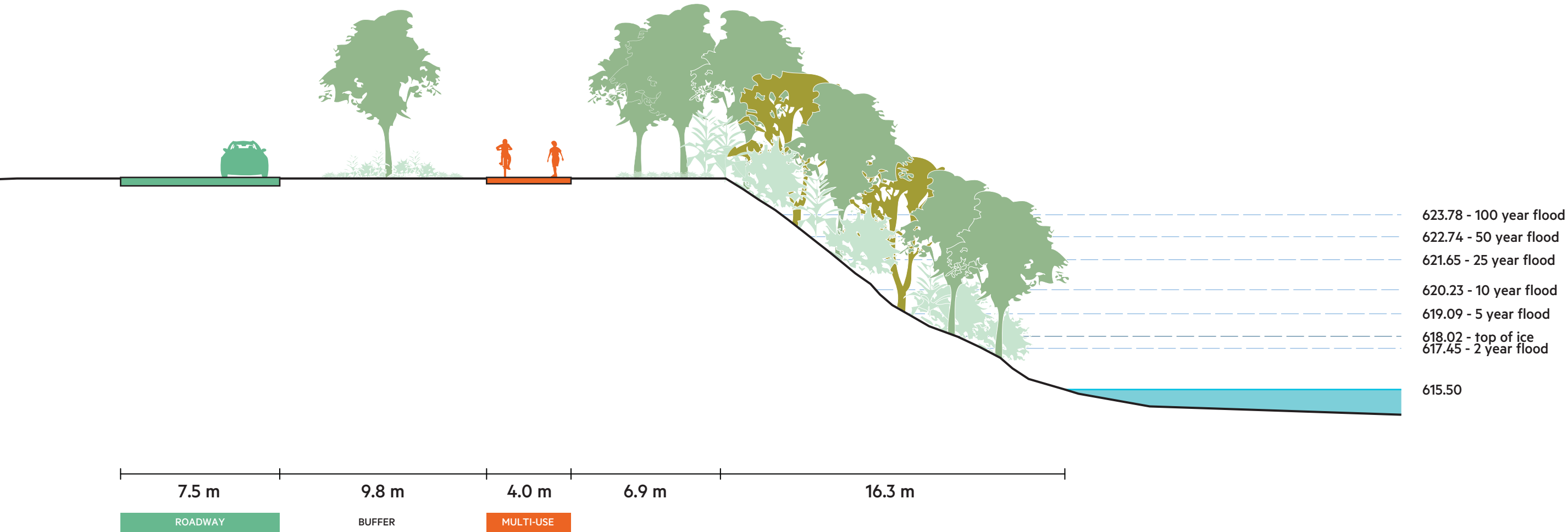
SPLIT PATH PROMENADE

PROPOSED PATHWAYS



SPLIT PATH PROMENADE

EXISTING PATHWAYS CONDITION

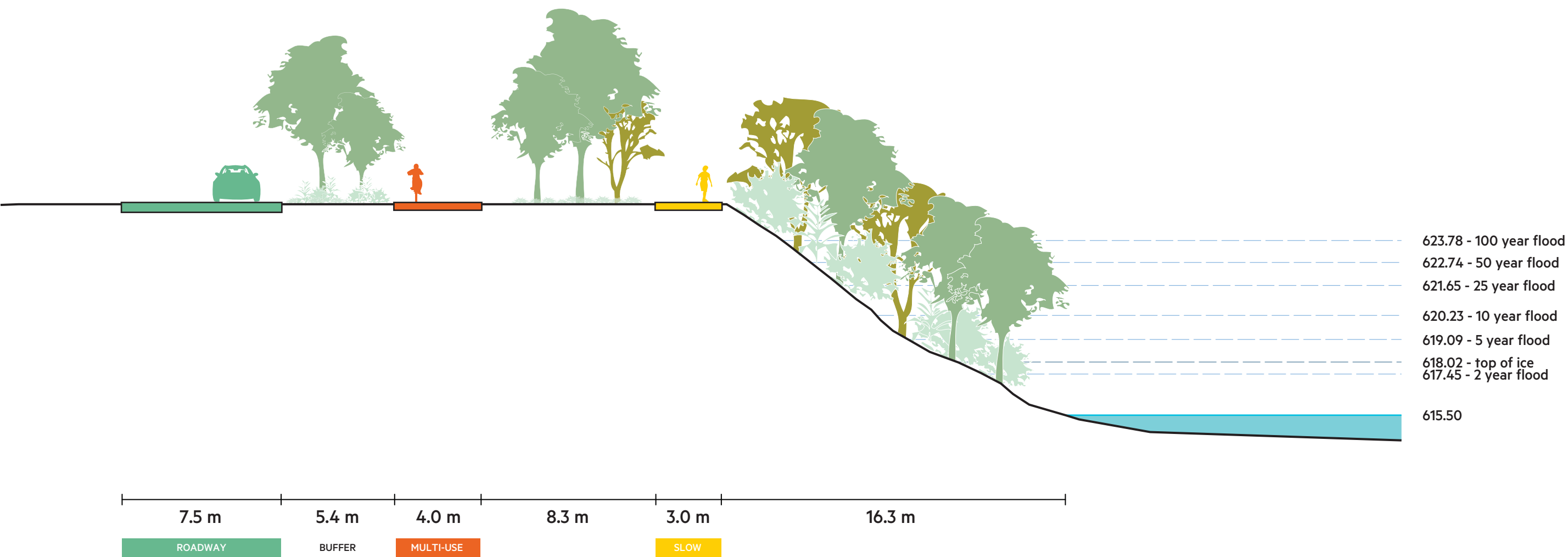


EXISTING

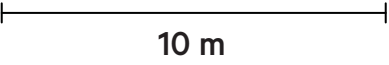
10 m

SPLIT PATH PROMENADE

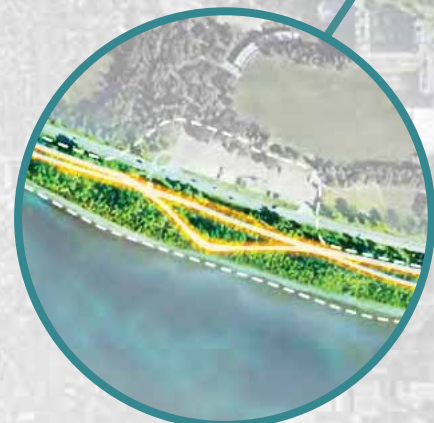
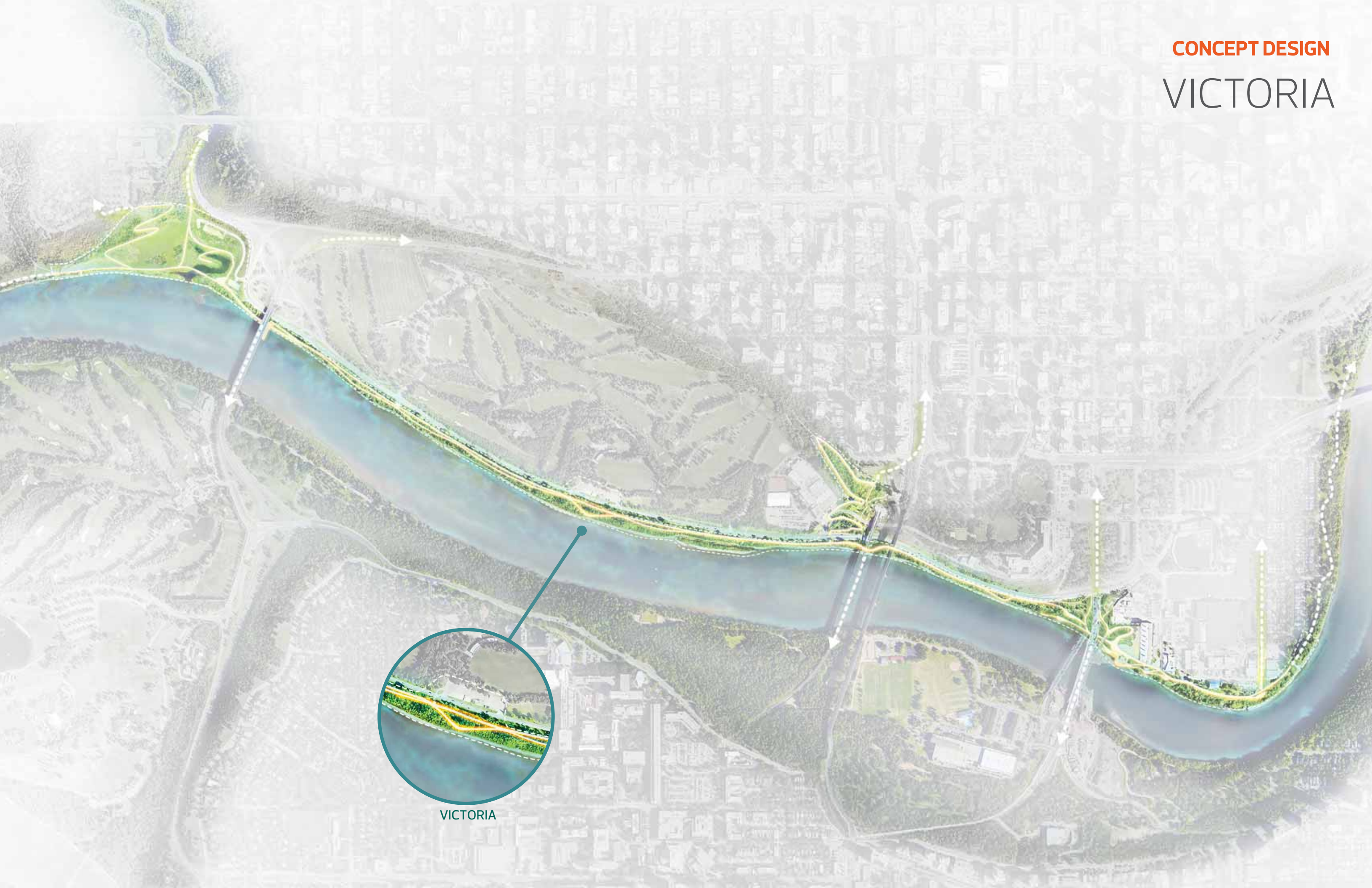
PROPOSED PATHWAYS



PROPOSED



CONCEPT DESIGN
VICTORIA



VICTORIA

VICTORIA

EXISTING CONDITION



VICTORIA

PROPOSAL



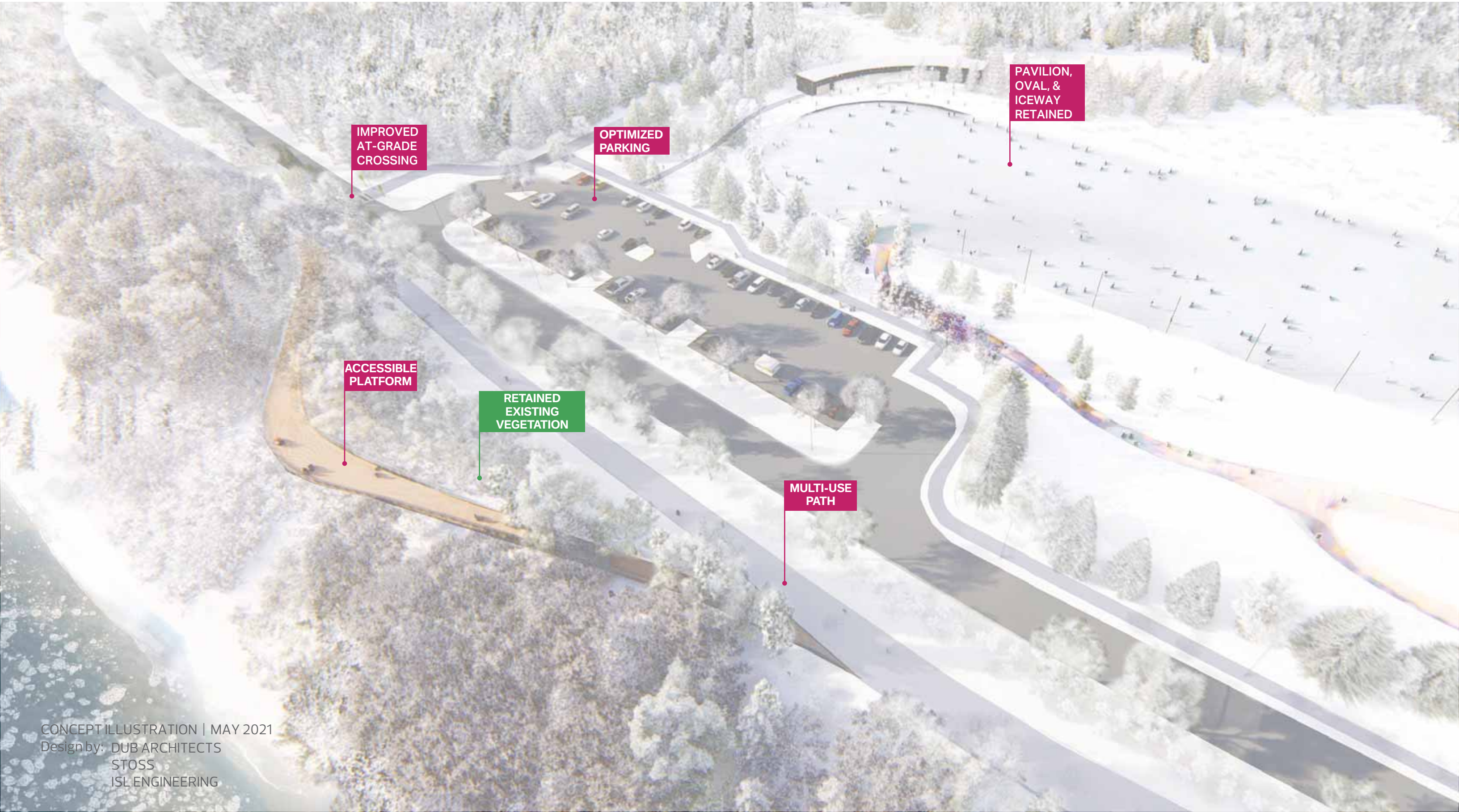
CONCEPT ILLUSTRATION | MAY 2021

Design by: DUB ARCHITECTS

STOSS

ISL ENGINEERING

VICTORIA
PROPOSAL



VICTORIA

PROPOSAL

CONCEPT ILLUSTRATION | MAY 2021

Design by: DUB ARCHITECTS

STOSS

ISL ENGINEERING

VICTORIA

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

VICTORIA

EXISTING PATHWAYS CONDITION



VICTORIA

PROPOSED PATHWAYS

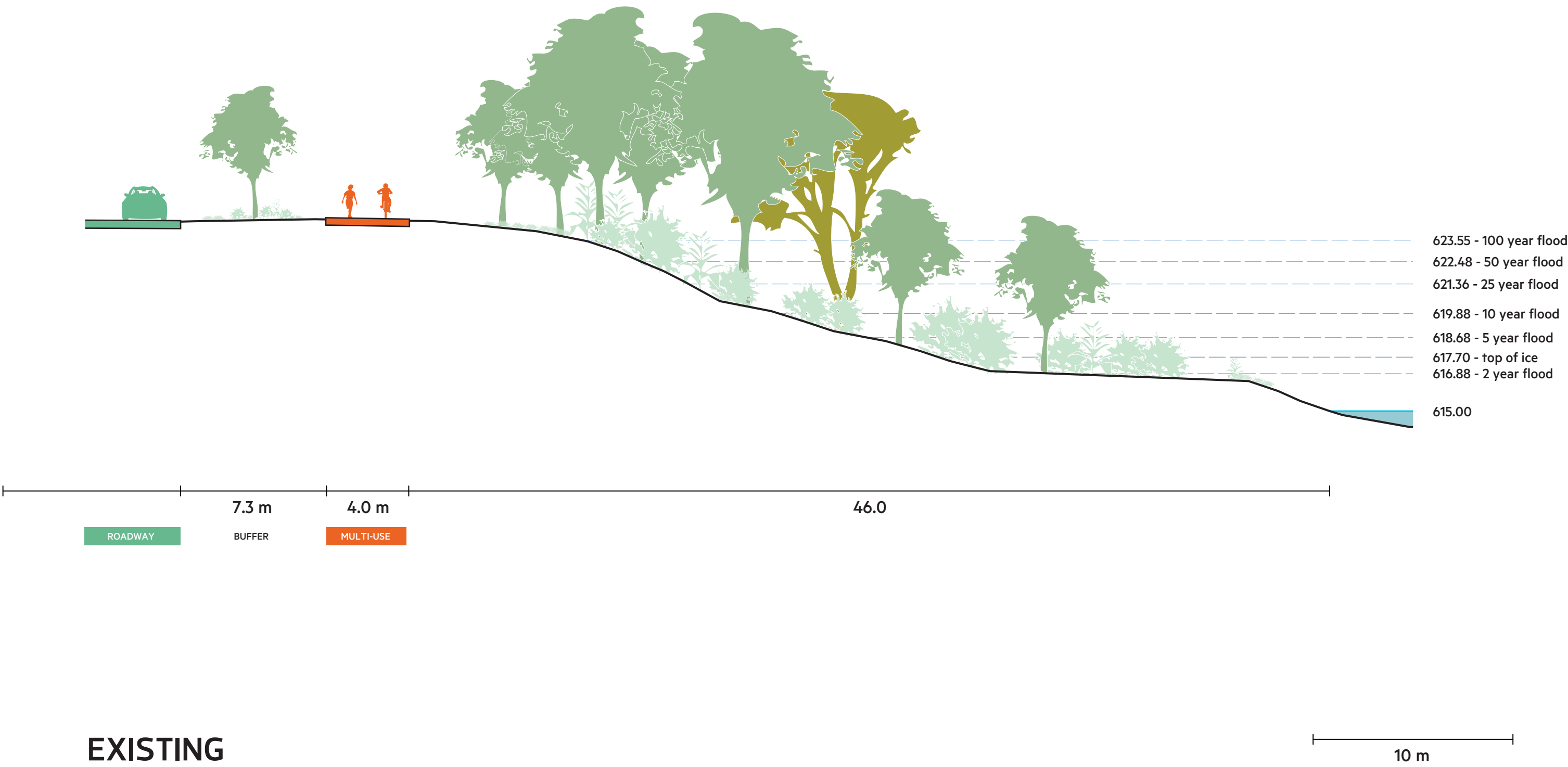


MULTI-USE PATH

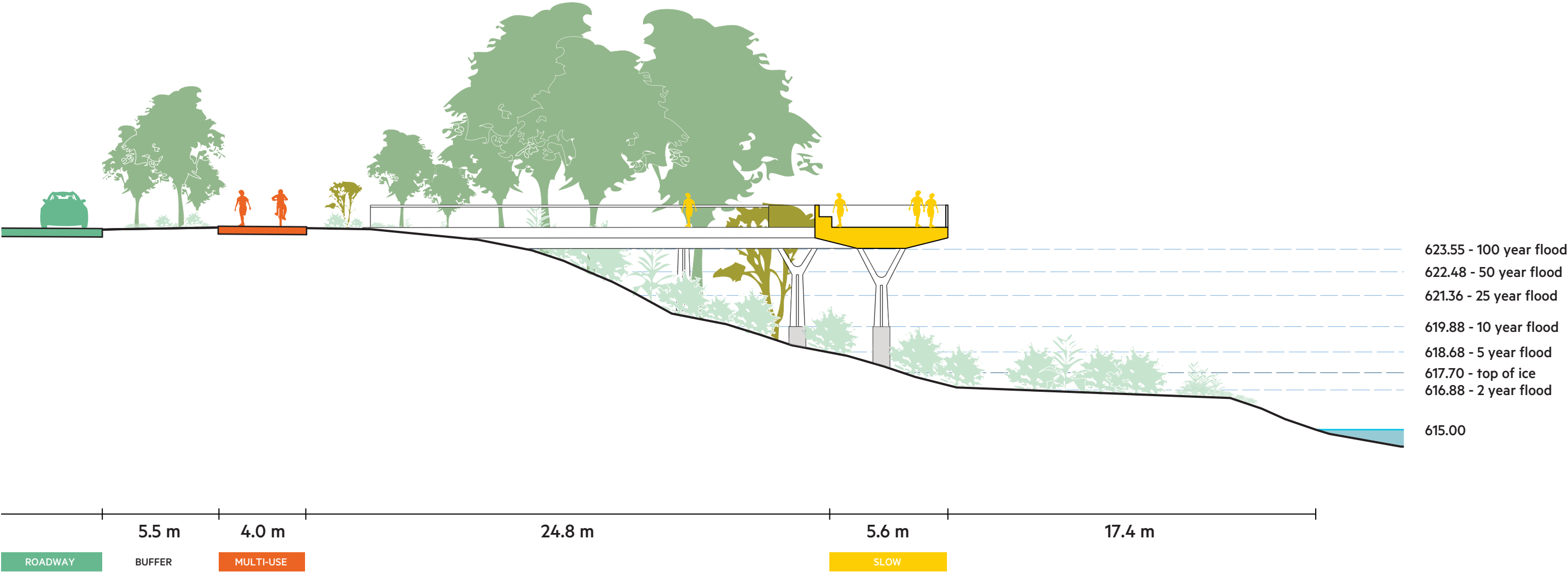
ELEVATED
PATH

RETAINED
EXISTING
VEGETATION &
STRATEGIC
REPLANTING
OF NATIVE
SPECIES

EXISTING PATHWAYS CONDITION



PROPOSED PATHWAYS



PROPOSED

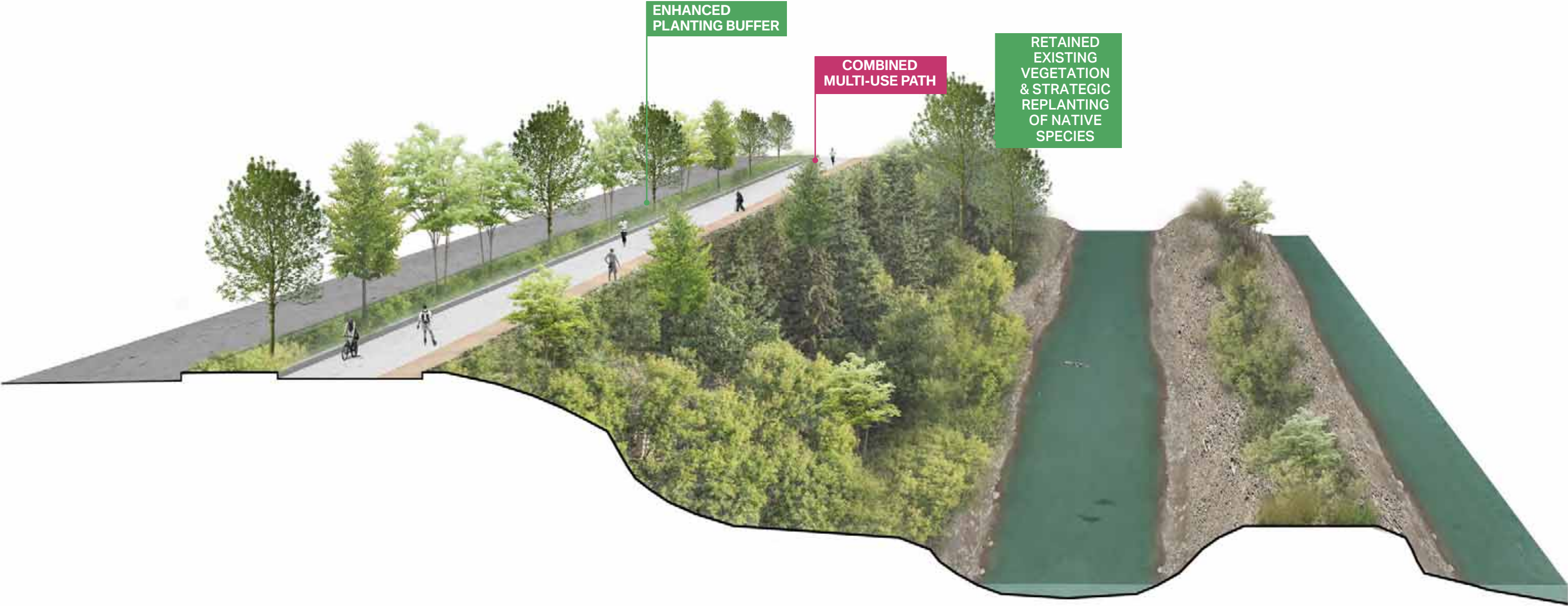
COMBINED PATH PROMENADE

EXISTING PATHWAYS CONDITION



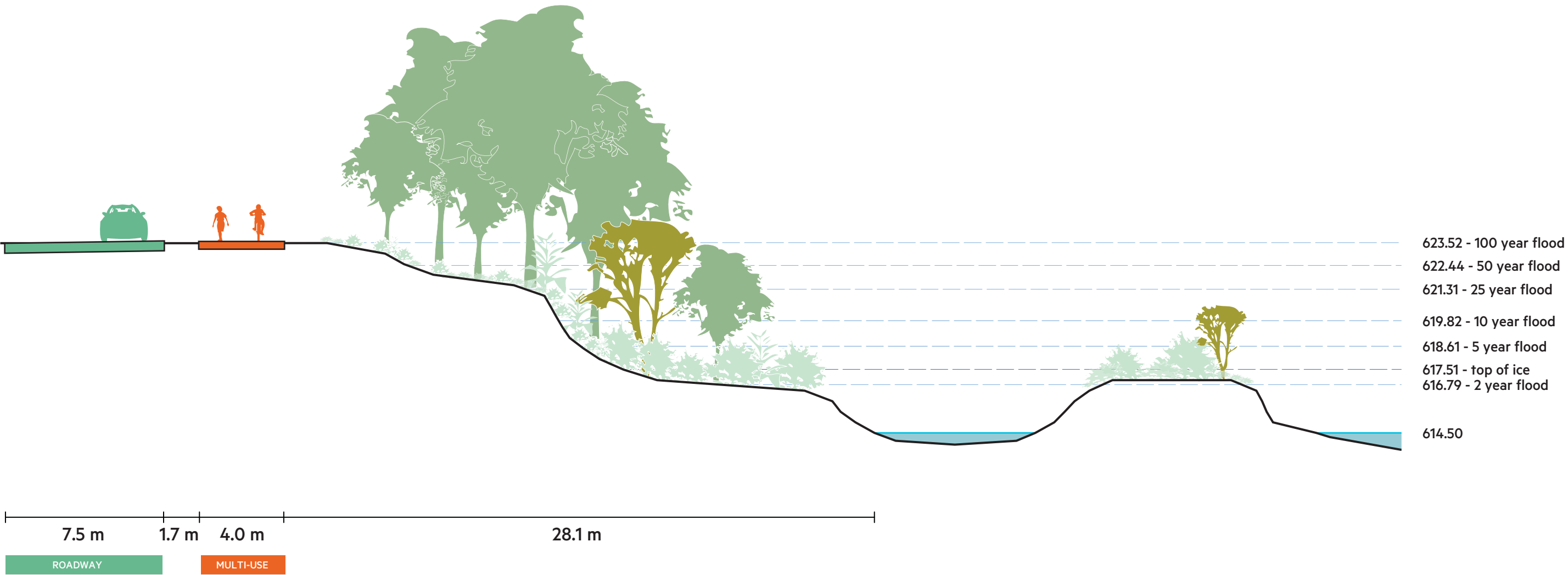
COMBINED PATH PROMENADE

PROPOSED PATHWAYS



COMBINED PATH PROMENADE

EXISTING PATHWAYS CONDITION

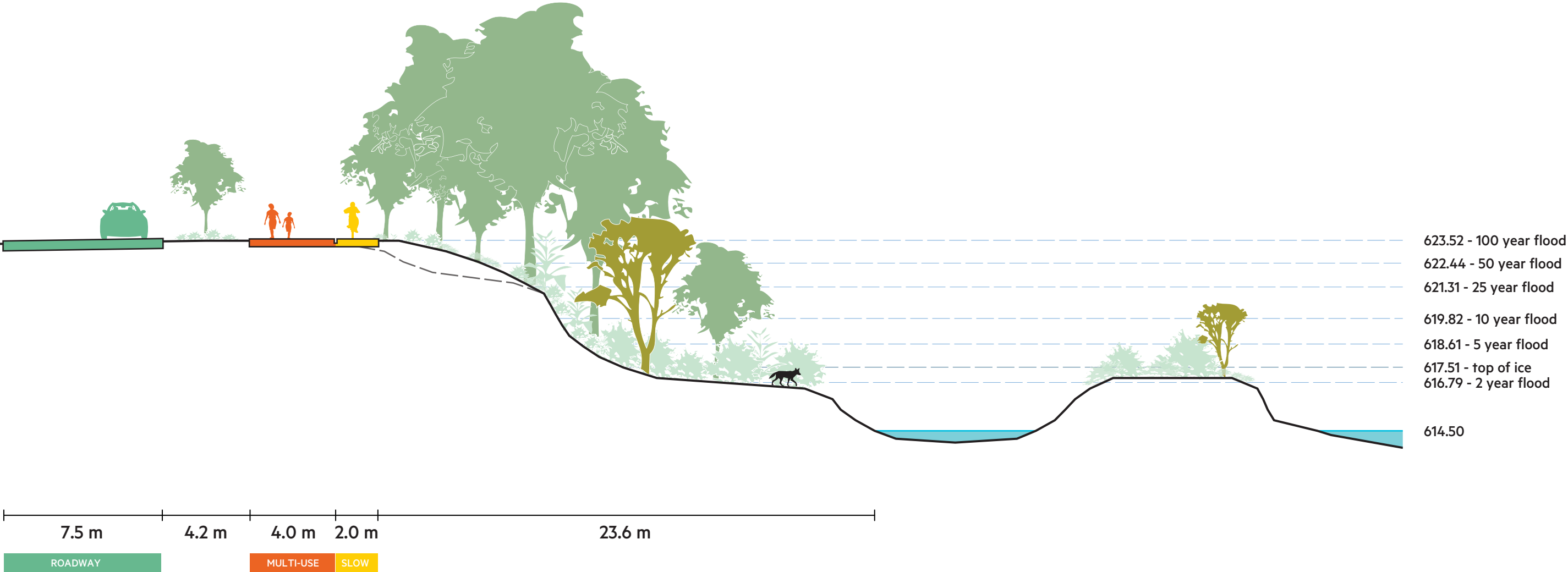


EXISTING

10 m

COMBINED PATH PROMENADE

PROPOSED PATHWAYS



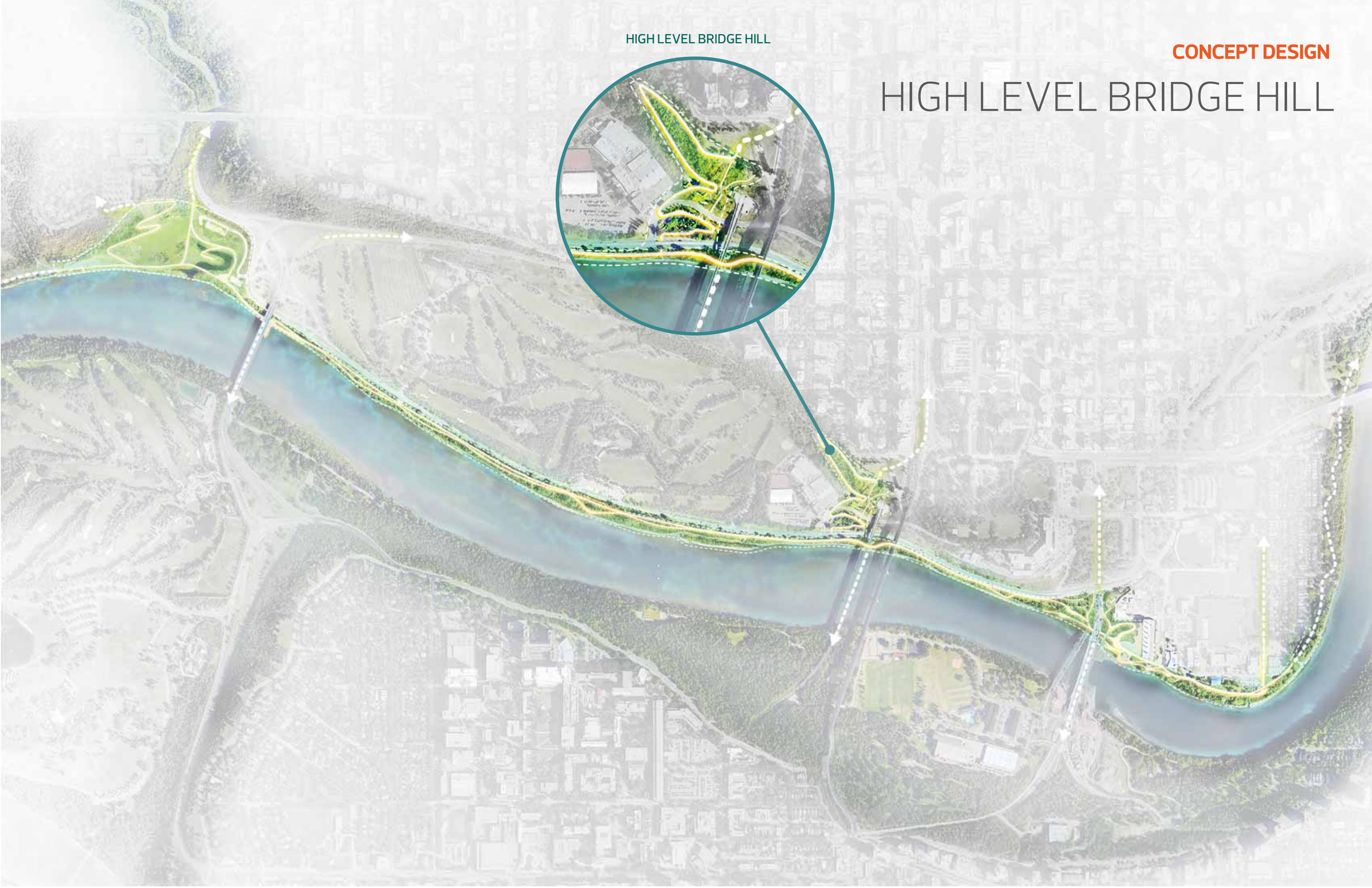
PROPOSED

10 m

HIGH LEVEL BRIDGE HILL

CONCEPT DESIGN

HIGH LEVEL BRIDGE HILL



HIGH LEVEL BRIDGE HILL

EXISTING CONDITION



HIGH LEVEL BRIDGE HILL PROPOSAL

CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

HIGH LEVEL BRIDGE HILL PROPOSAL



ALBERTA LEGISLATURE

CONSTABLE EZIO FARAONE PARK

HIGH LEVEL BRIDGE

ENHANCED
PLANTING

PLAZA

CONNECTION TO
EXISTING TRAIL

ENHANCED
PLANTING

DUDLEY B MENZIES BRIDGE

ACCESSIBLE
CONNECTION

PARKING

ACCESSIBLE
PLATFORM

RETAINED
EXISTING
VEGETATION

IMPROVED
AT-GRADE
CROSSING

CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

HIGH LEVEL BRIDGE HILL

IMPROVING ACCESSIBILITY

- PATHWAYS
- STAIRS
- PROPOSED



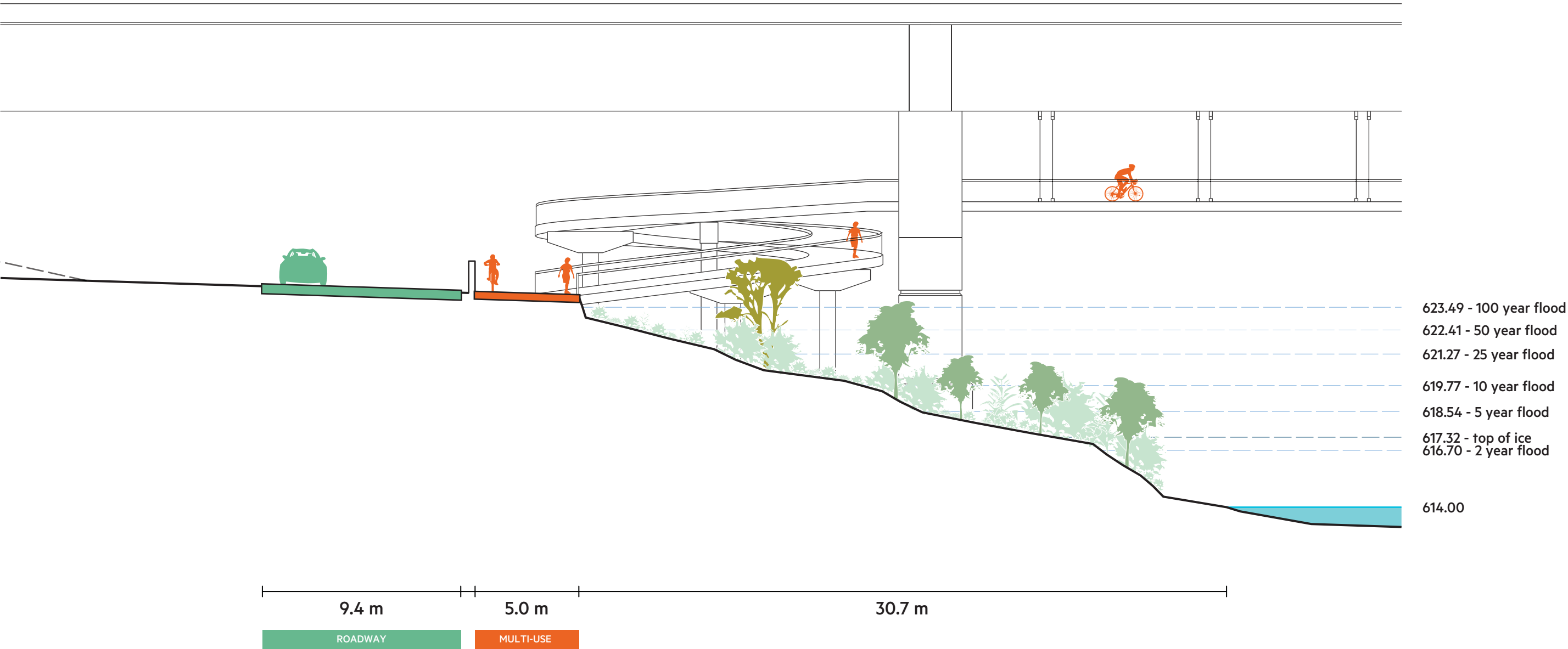
HIGH LEVEL BRIDGE HILL

EXISTING PATHWAYS CONDITION



HIGH LEVEL BRIDGE HILL

EXISTING PATHWAYS CONDITION



EXISTING

PROPOSED PATHWAYS

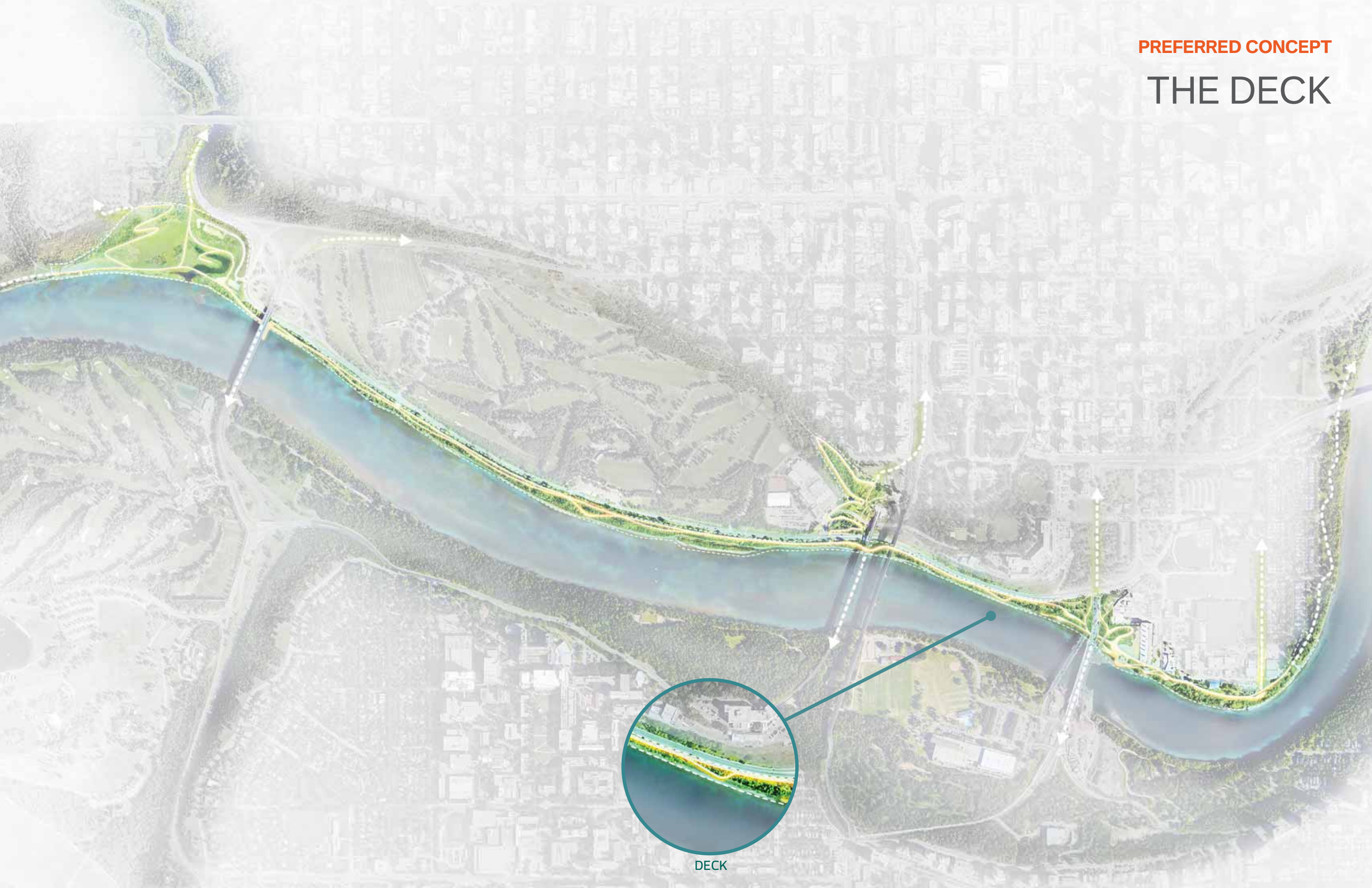


PROPOSED

10 m

PREFERRED CONCEPT

THE DECK



DECK

THE DECK

EXISTING CONDITION



THE DECK

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021

Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

THE DECK
PROPOSAL



GOVERNMENT OF ALBERTA
TERRACE BUILDING

RETAINED
EXISTING
VEGETATION

ENHANCED
PLANTING

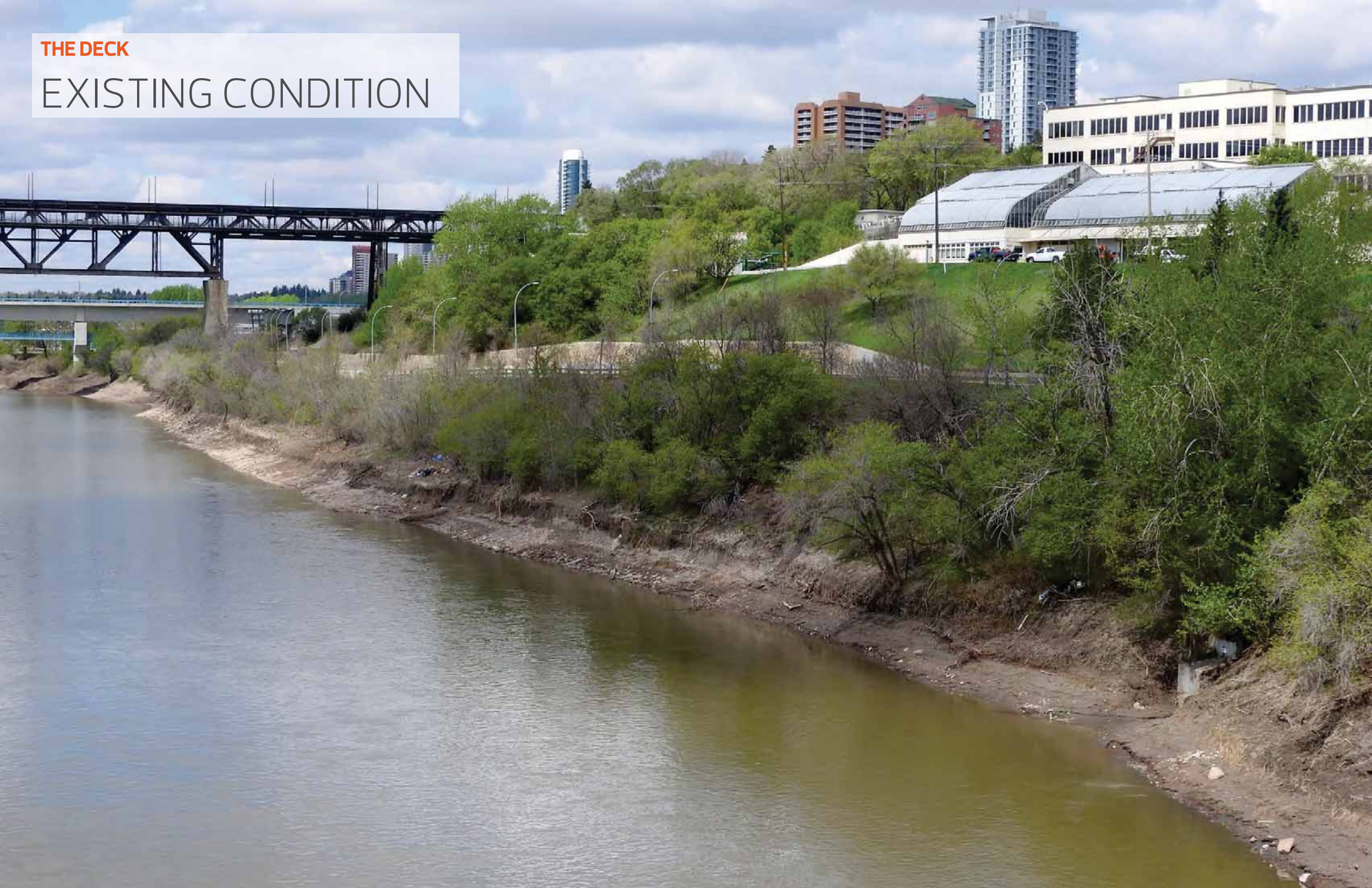
SEATING /
GATHERING

OUTLOOK

PLANTING
BUFFER

THE DECK

EXISTING CONDITION



THE DECK

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

THE DECK

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021

Design by: DUB ARCHITECTS

STOSS

ISL ENGINEERING

THE DECK

EXISTING PATHWAYS CONDITION

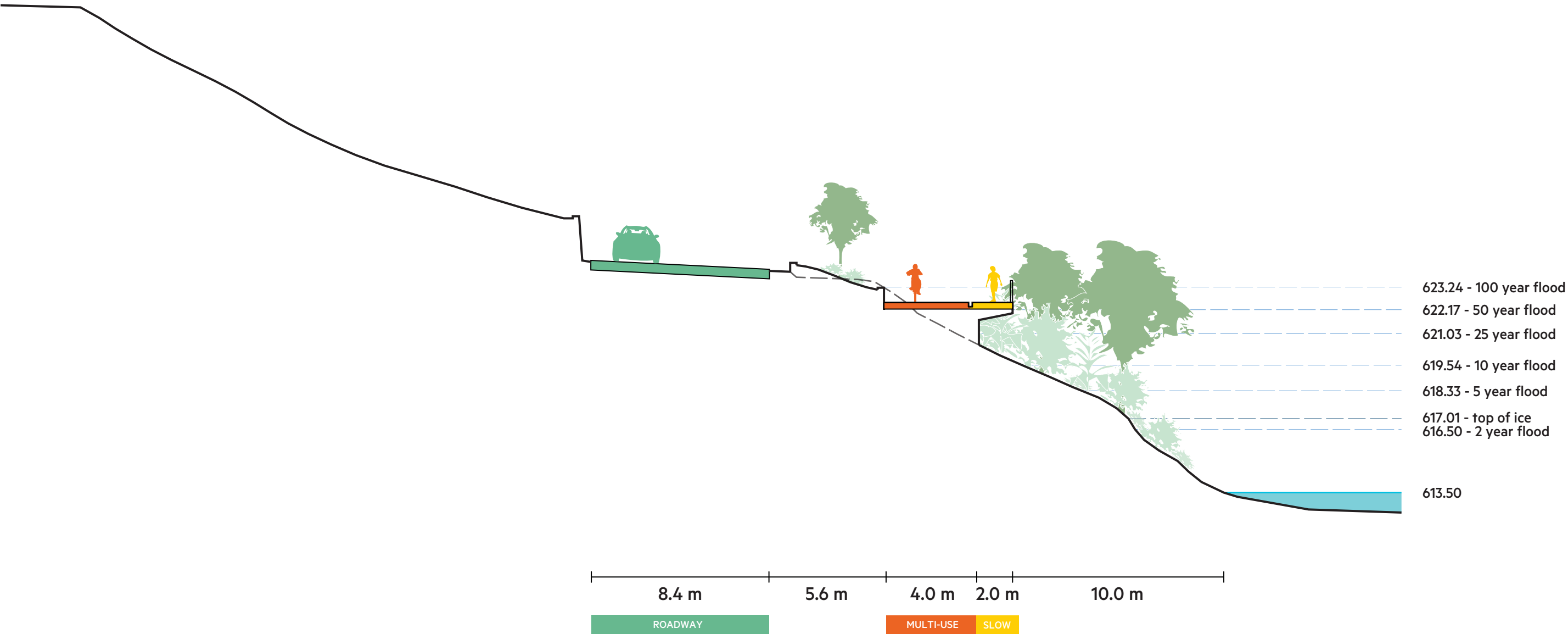


EXISTING PATHWAYS CONDITION



EXISTING

PROPOSED PATHWAYS



PROPOSED

10 m

EXISTING PATHWAYS CONDITION

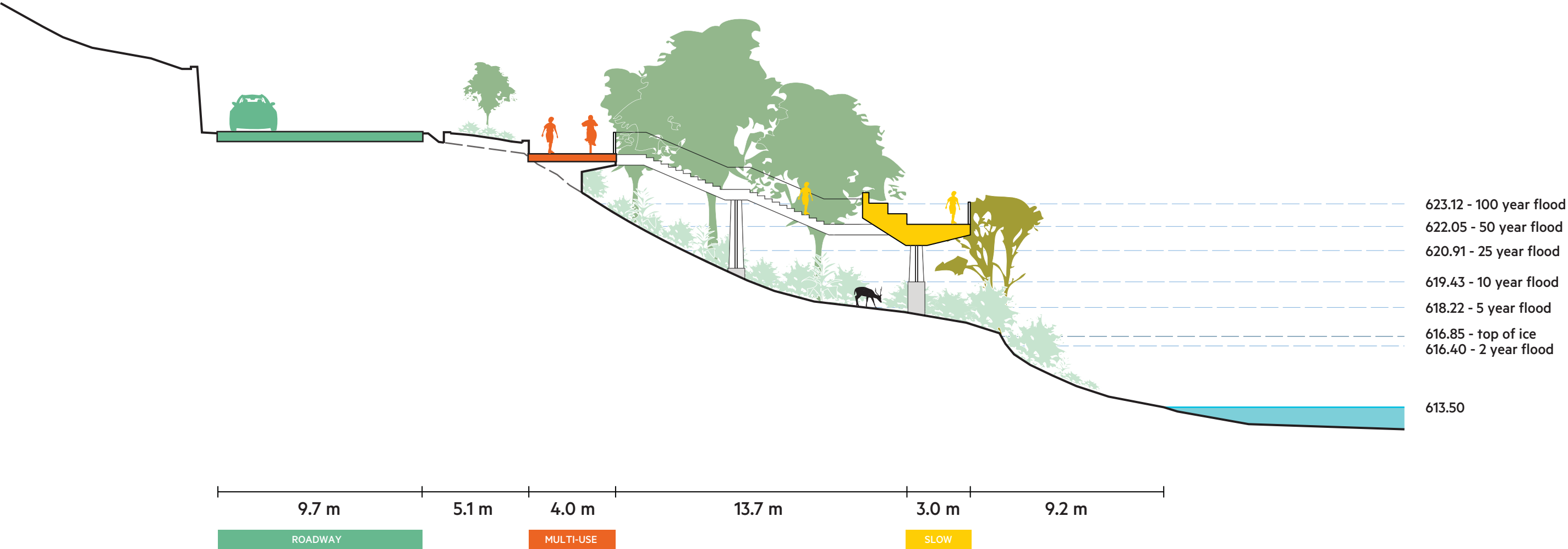


EXISTING

10 m

THE DECK

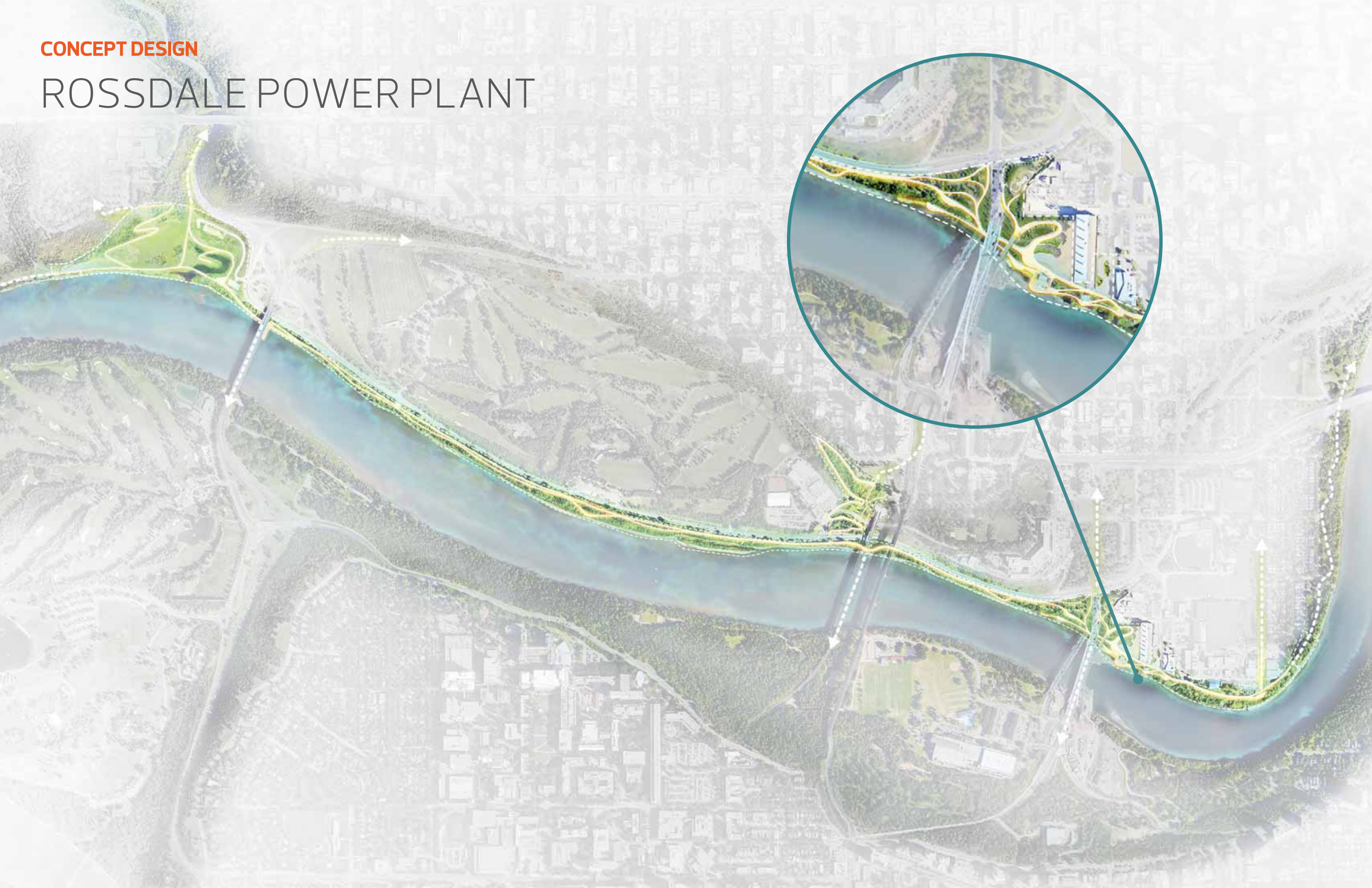
PROPOSED PATHWAYS



PROPOSED

CONCEPT DESIGN

ROSSDALE POWER PLANT



ROSSDALE POWER PLANT

EXISTING CONDITIONS

RIVER VALLEY RD NW

VEGETATED
RIVER BANK

PEDESTRIAN
WALKWAYS

TRADITIONAL
BURIAL
GROUND

EPCOR
PROPERTY

OPEN LAWN

SERVICE ROAD

PARKING
LOT

WALTERDALE BRIDGE

PUMP
HOUSE 2

PUMP
HOUSE 1

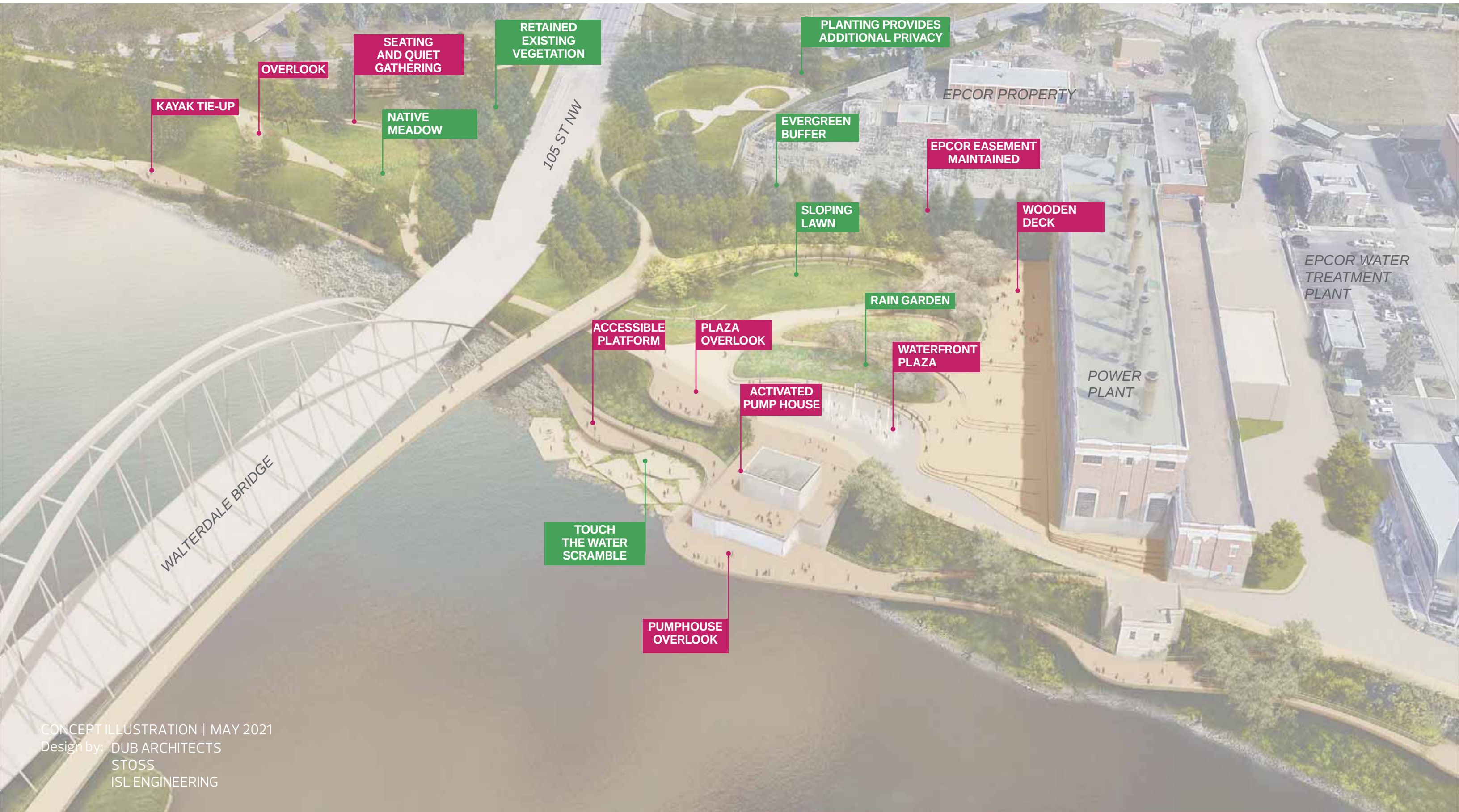


ROSSDALE POWER PLANT PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

ROSSDALE POWER PLANT
PROPOSAL



WALTERDALE BRIDGE

105 ST NW

KAYAK TIE-UP

OVERLOOK

SEATING
AND QUIET
GATHERING

NATIVE
MEADOW

RETAINED
EXISTING
VEGETATION

PLANTING PROVIDES
ADDITIONAL PRIVACY

EVERGREEN
BUFFER

SLOPING
LAWN

RAIN GARDEN

ACCESSIBLE
PLATFORM

PLAZA
OVERLOOK

ACTIVATED
PUMP HOUSE

TOUCH
THE WATER
SCRAMBLE

PUMPHOUSE
OVERLOOK

WATERFRONT
PLAZA

WOODEN
DECK

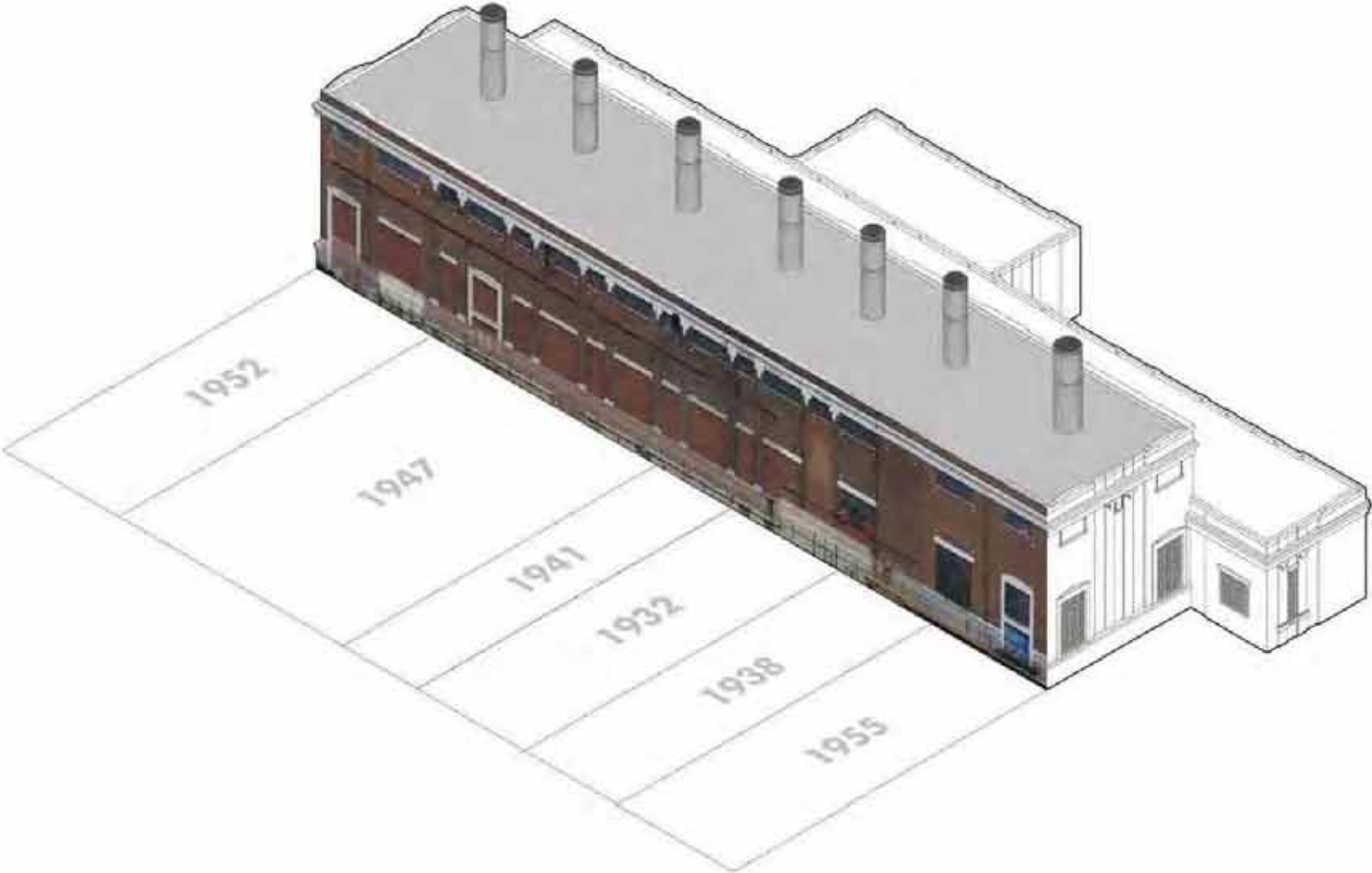
EPCOR EASEMENT
MAINTAINED

EPCOR PROPERTY

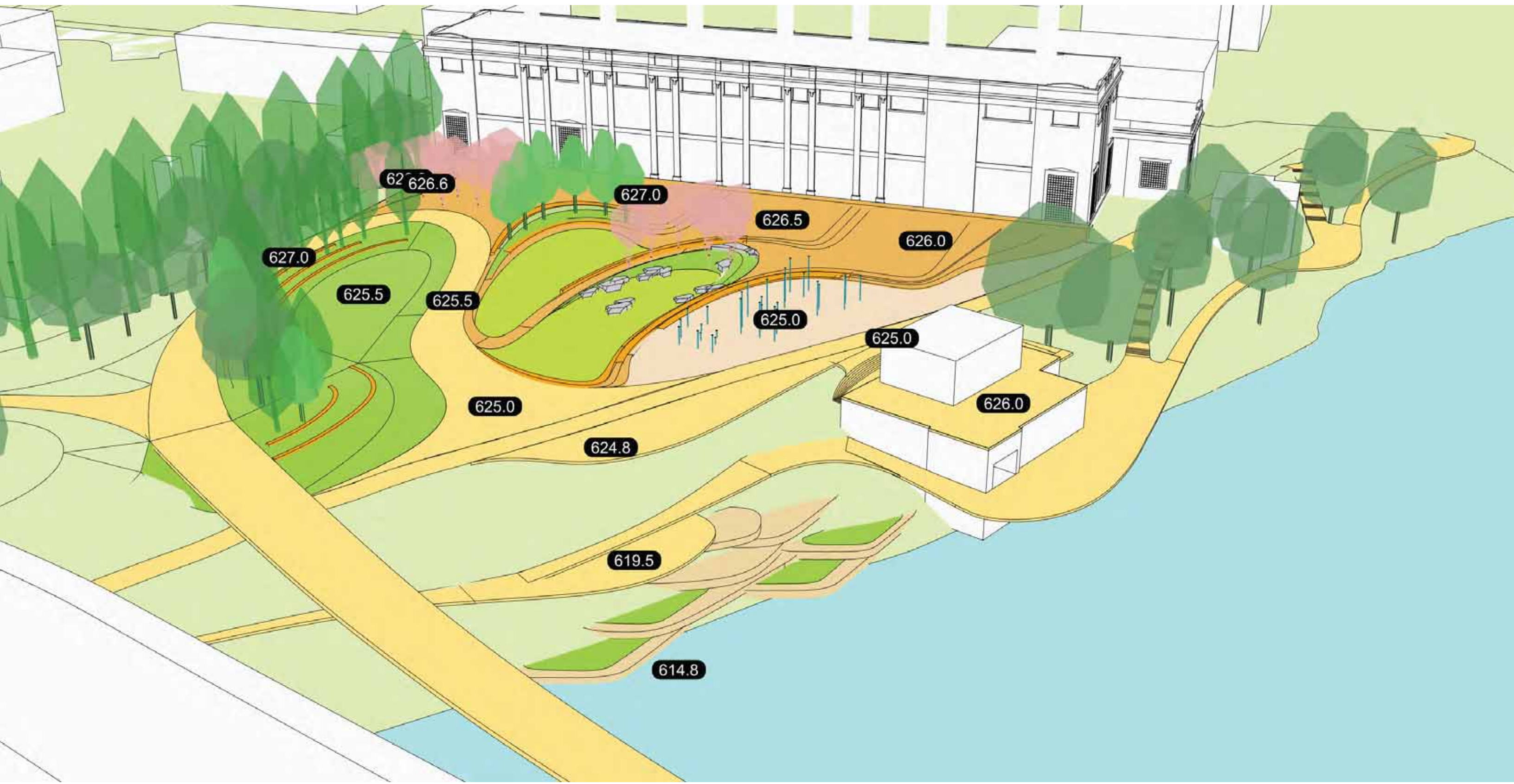
POWER
PLANT

EPCOR WATER
TREATMENT
PLANT

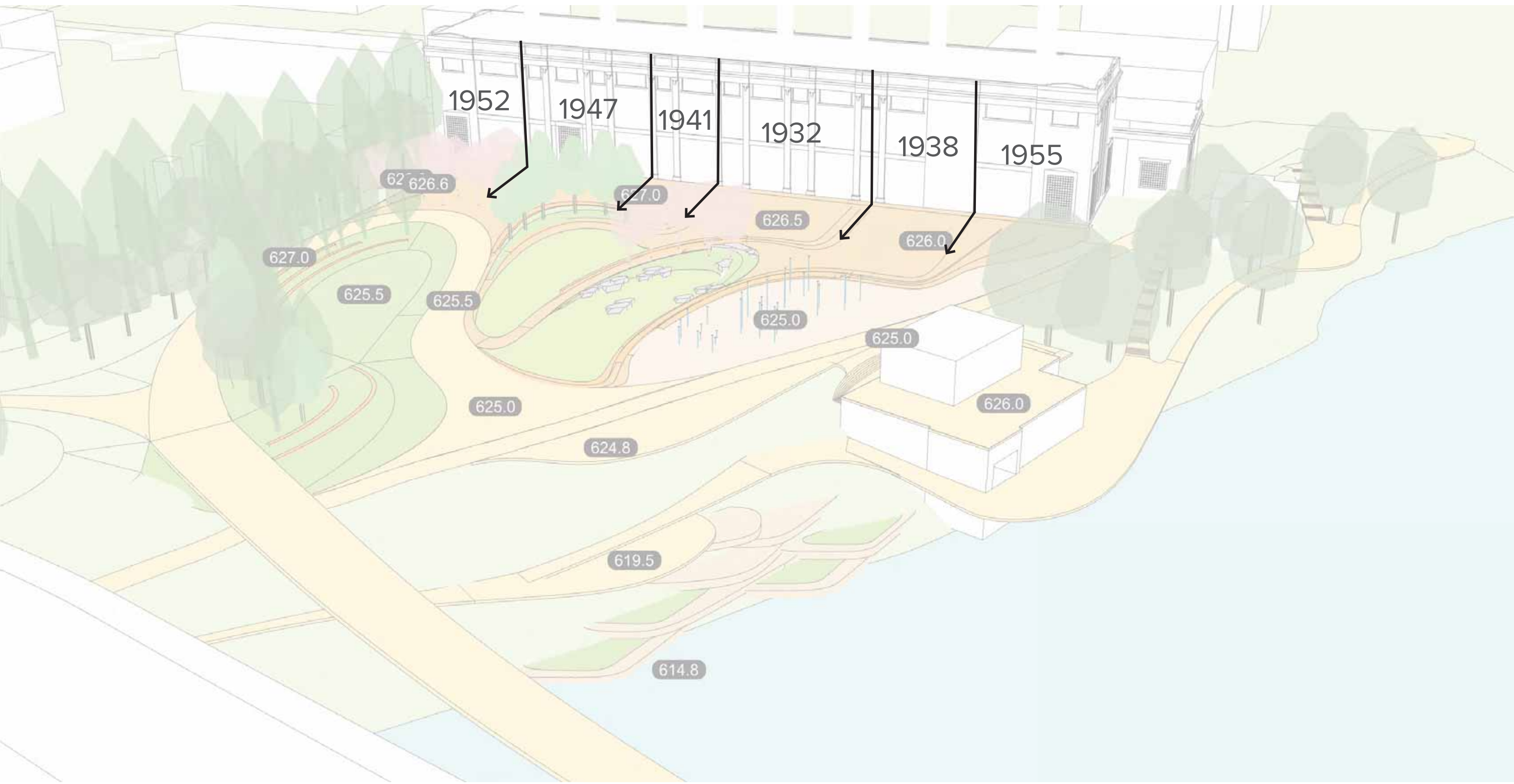
POWER PLANT HERITAGE



PROPOSED CONDITION ELEVATION



PROPOSED CONDITION – INDUSTRIAL HERITAGE



ROSSDALE POWER PLANT

PROPOSED CONDITION: CIRCULATION



LEGEND

- PRIMARY CIRCULATION
- SECONDARY CIRCULATION (ACCESSIBLE)
- SECONDARY CIRCULATION (SCRAMBLE)
- NODE

ROSSDALE POWER PLANT

PROPOSED CONDITION: PLANTING



ROSSDALE POWER PLANT

EXISTING CONDITION



ROSSDALE POWER PLANT PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

ROSSDALE POWER PLANT
EXISTING CONDITION



ROSSDALE POWER PLANT
PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

ROSSDALE POWER PLANT

FOUNTAIN/PUBLIC ART PRECEDENT: 140 WEST PLAZA



FOUNTAIN FRAMING SPACE



TRANSFORMS THE PLAZA WITH COLOR AND LIGHT

ROSSDALE POWER PLANT

EXISTING CONDITION



ROSSDALE POWER PLANT
PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

ROSSDALE POWER PLANT
EXISTING CONDITION



ROSSDALE POWER PLANT
PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STÖSS
ISL ENGINEERING

ROSSDALE POWER PLANT

PRECEDENT: EVERGREEN BRICKWORKS (TORONTO)



EVERGREEN BRICKWORKS



EVERGREEN BRICKWORKS

ROSSDALE POWER PLANT

EXISTING CONDITION



ROSSDALE POWER PLANT PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

ROSSDALE POWER PLANT

NORTH SASKATCHEWAN RIVER ICE



ICE BREAK UP



ICE ON THE BANK

ROSSDALE POWER PLANT

EXISTING CONDITION



ROSSDALE POWER PLANT
PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

ROSSDALE POWER PLANT

PRECEDENTS



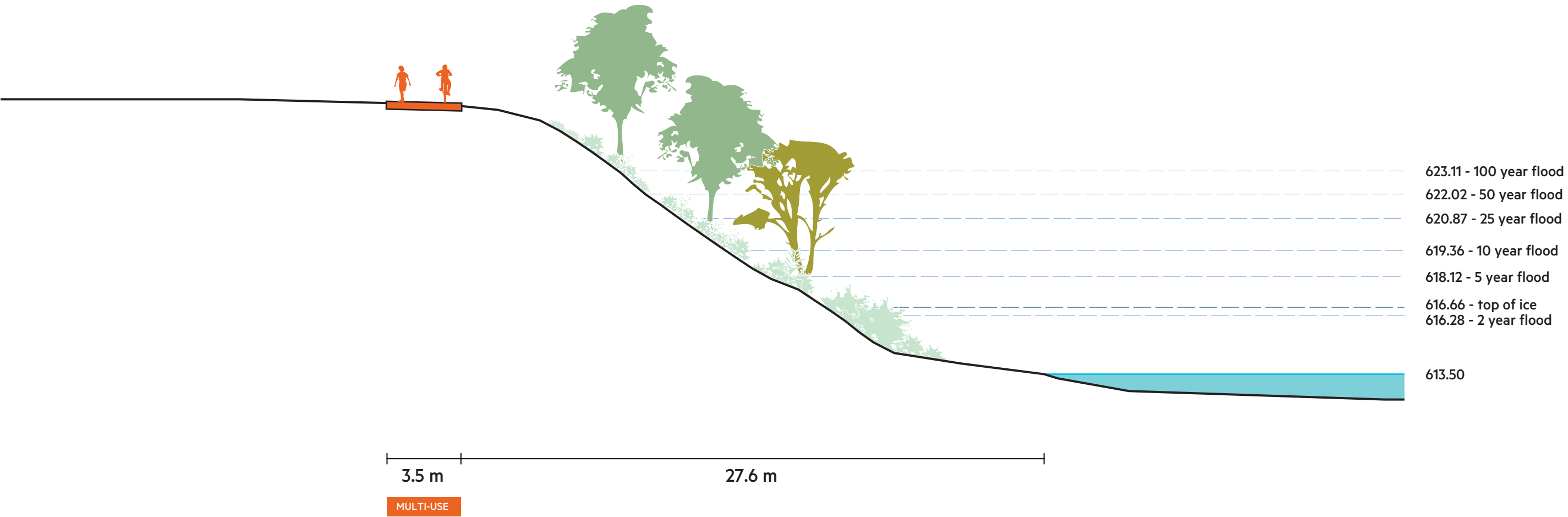
CALGARY RIVERWALK



MULINI BEACH

ROSSDALE LANDING

EXISTING PATHWAYS CONDITION

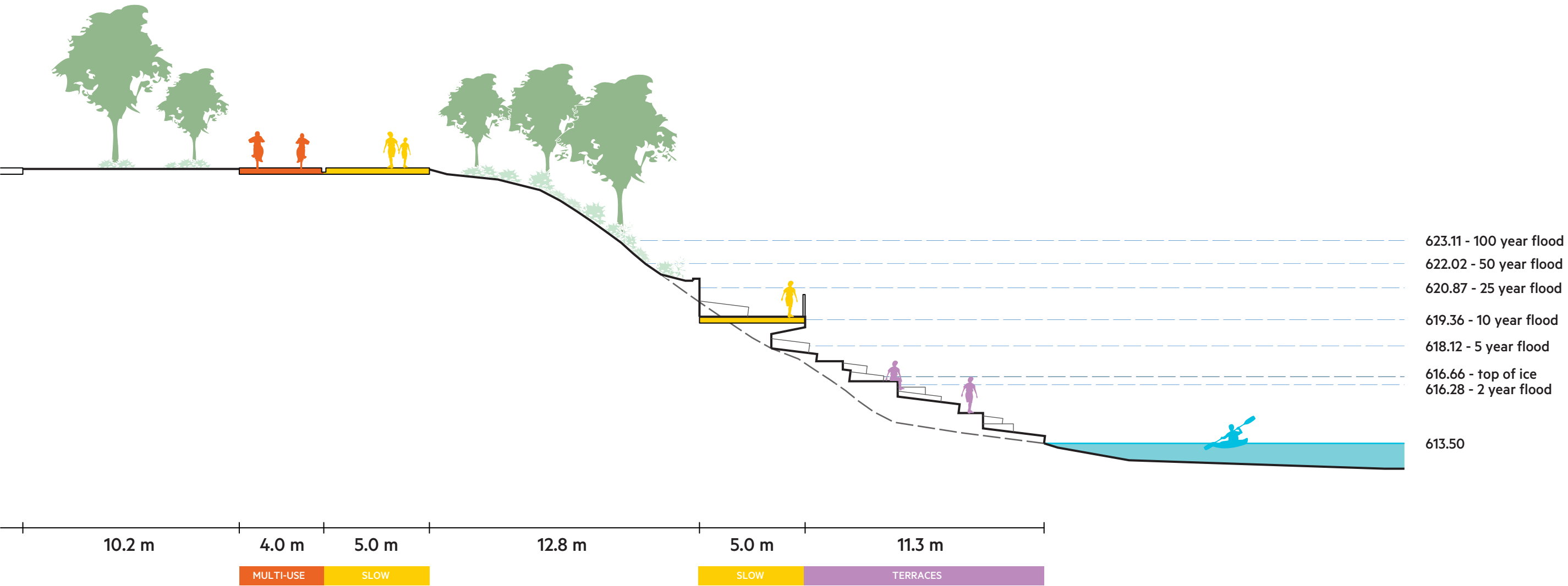


EXISTING

10 m

ROSSDALE LANDING

PROPOSED PATHWAYS

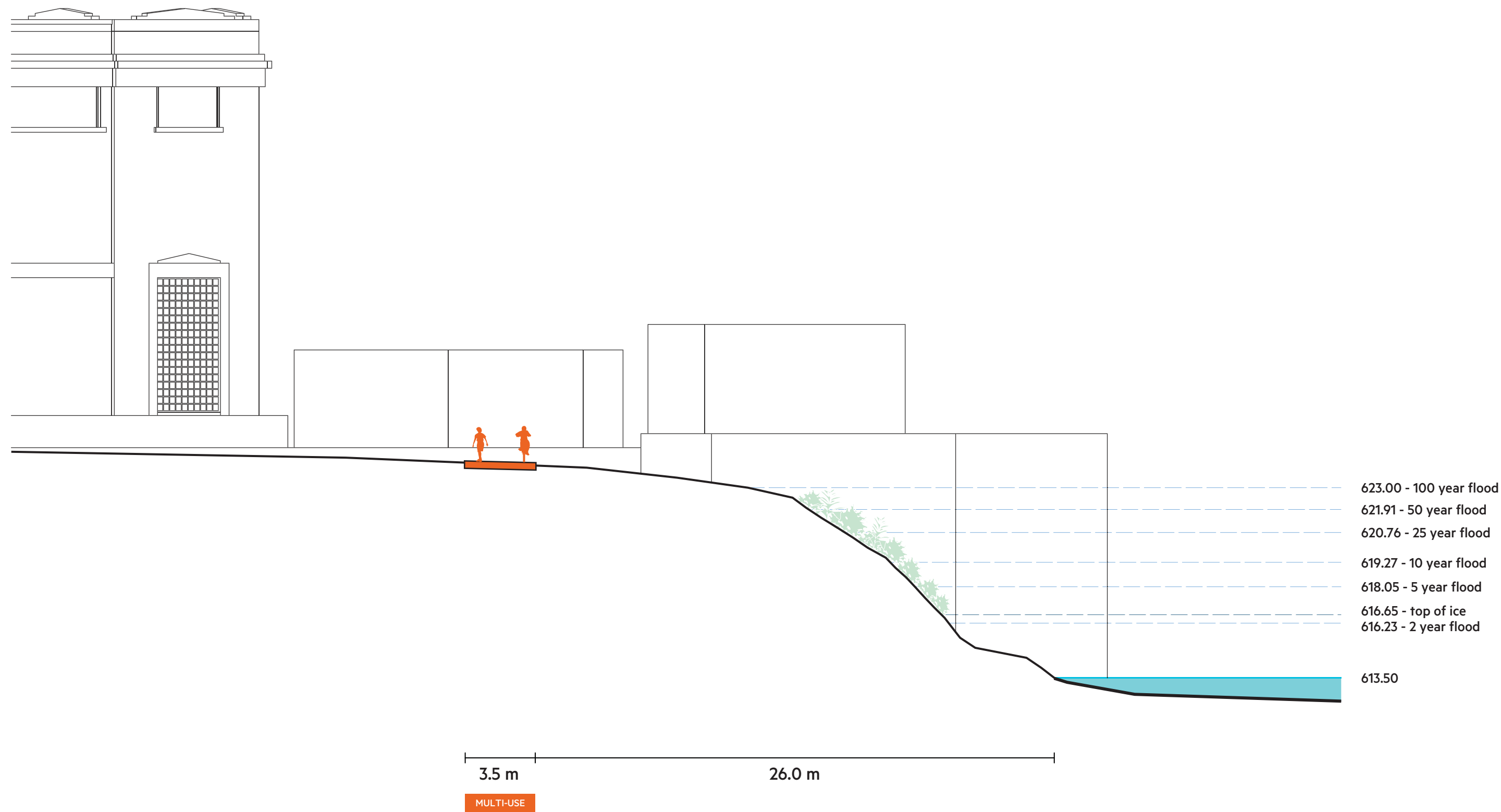


PROPOSED

10 m

ROSSDALE POWER PLANT

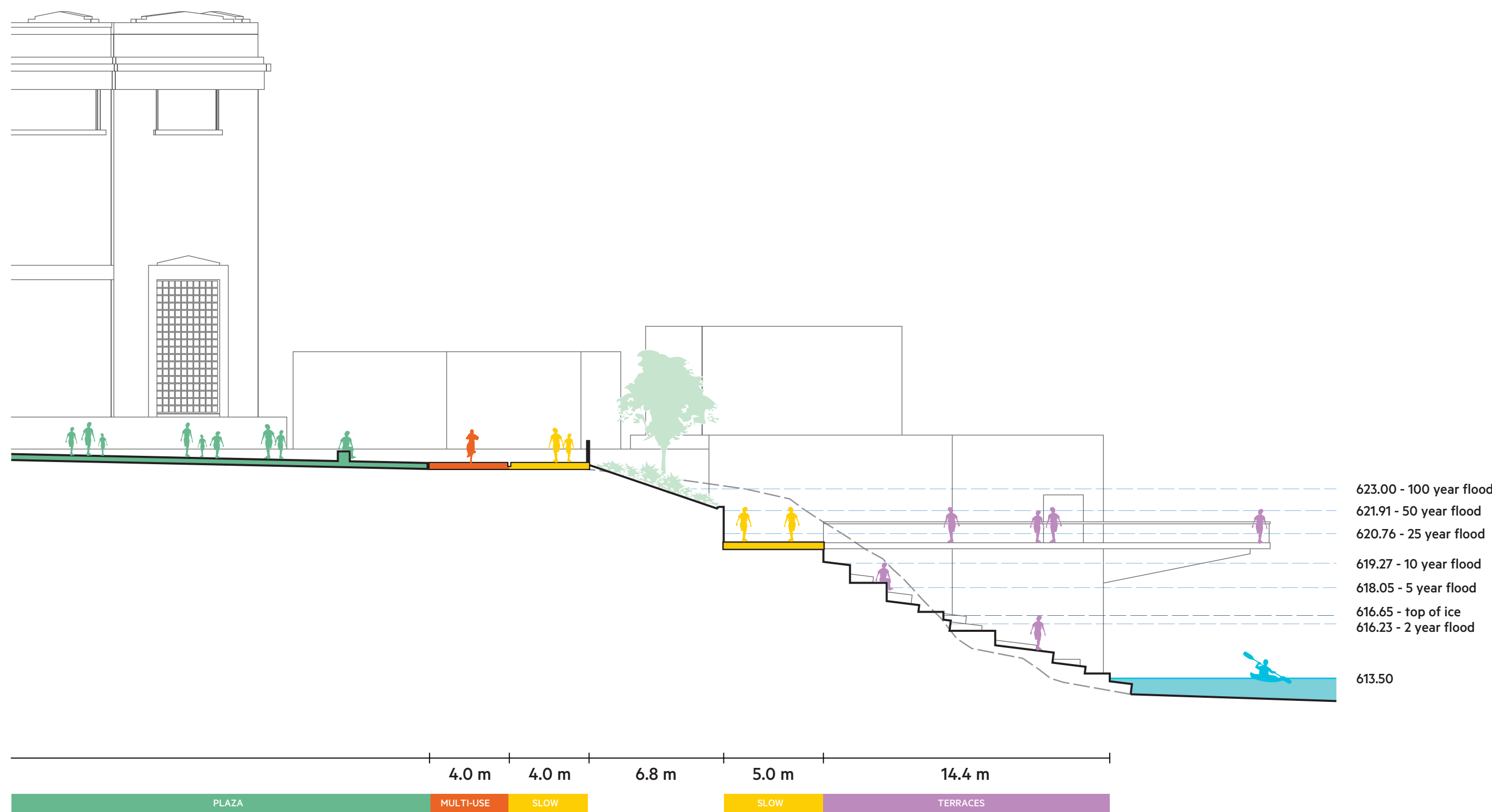
EXISTING PATHWAYS CONDITION



EXISTING

ROSSDALE POWER PLANT

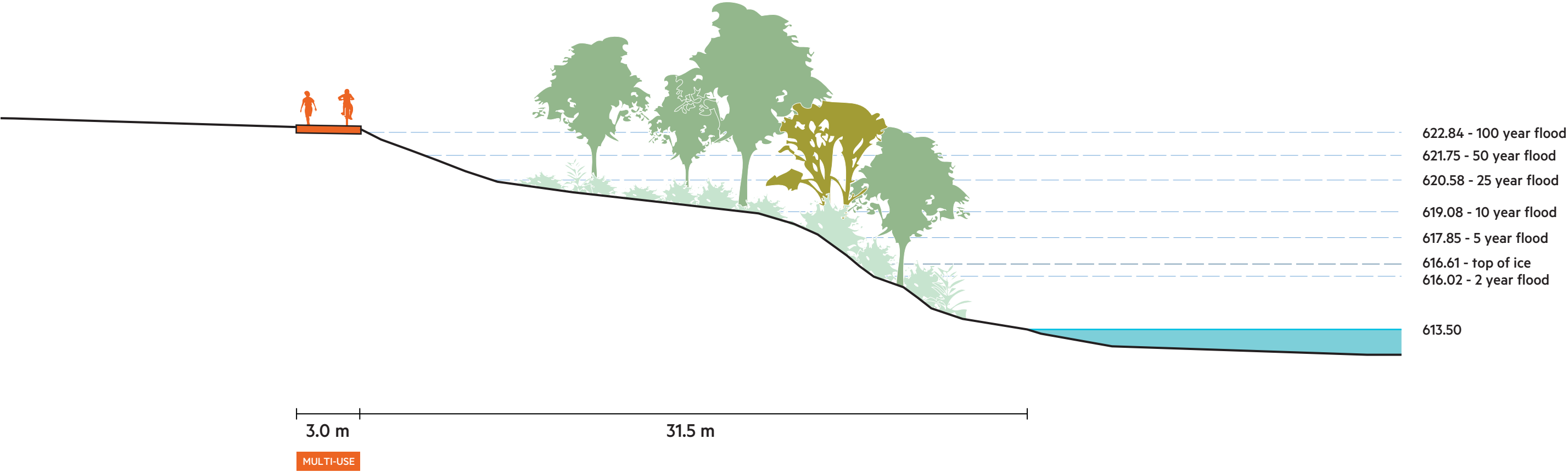
PROPOSED PATHWAYS



PROPOSED

10 m

EXISTING PATHWAYS CONDITION



EXISTING

10 m

EPCOR TREATMENT PLANT

PROPOSED PATHWAYS

EPCOR Flood
Protection Berm
& Wall System



PROPOSED

10 m

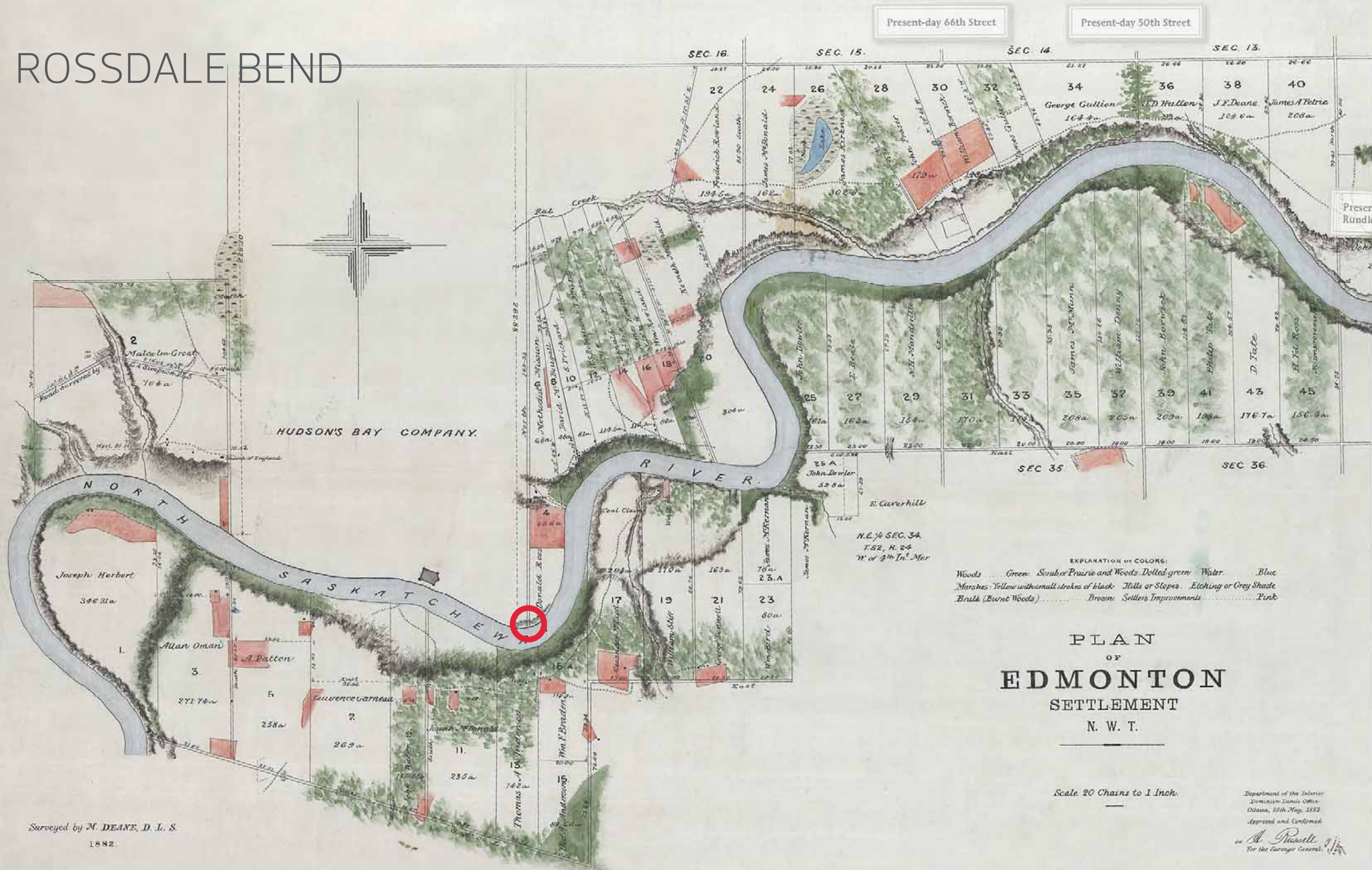
CONCEPT DESIGN

ROSSDALE BEND



BEND

ROSSDALE BEND



THE BEND

EXISTING CONDITION



THE BEND

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021

Design by: DUB ARCHITECTS

STOSS

ISL ENGINEERING

THE BEND

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

THE BEND

PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021

Design by: DUB ARCHITECTS

STOSS

ISL ENGINEERING

THE BEND

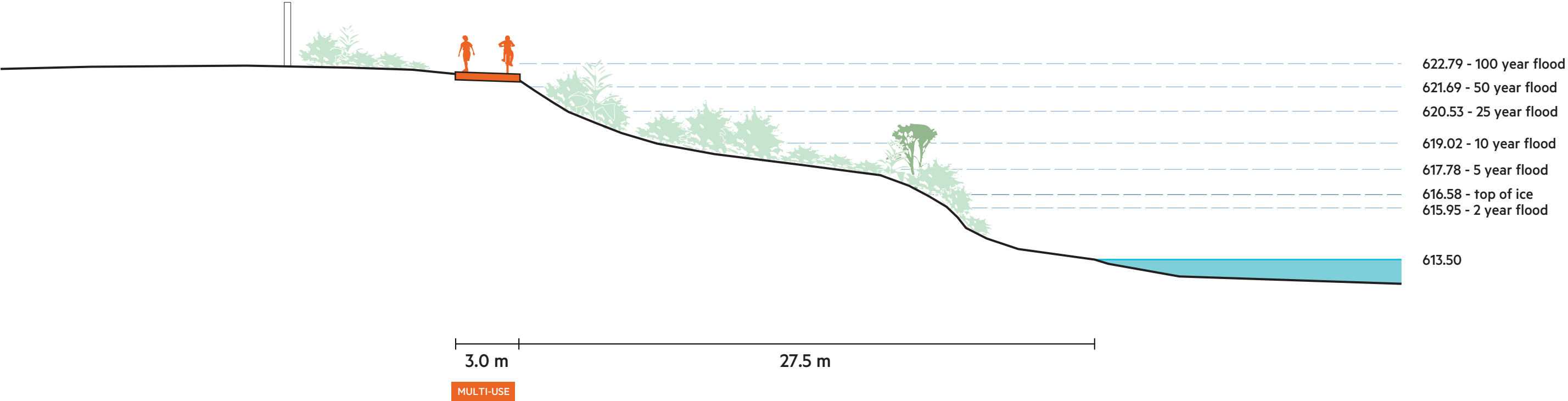
PROPOSAL



CONCEPT ILLUSTRATION | MAY 2021

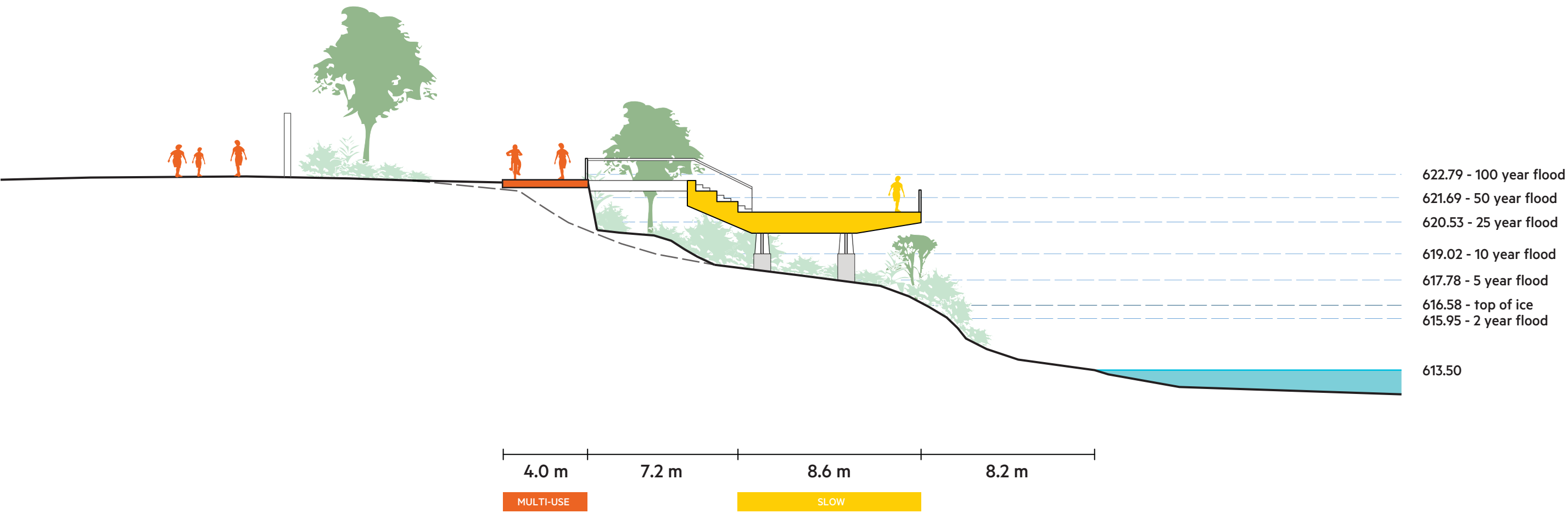
Design by: DUB ARCHITECTS
STOSS
ISL ENGINEERING

EXISTING PATHWAYS CONDITION



EXISTING

PROPOSED PATHWAYS



PROPOSED