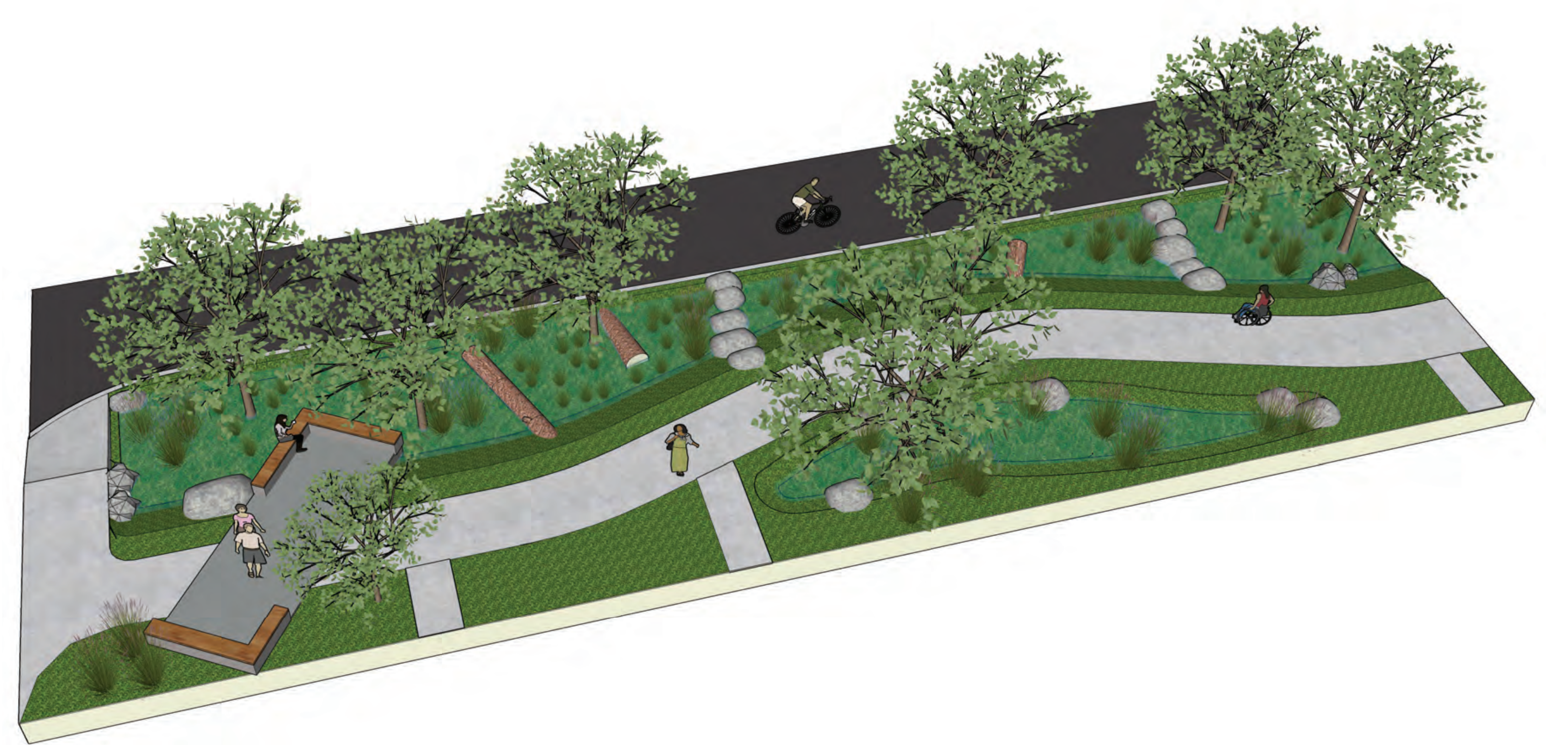
ST. GEORGE RAINWAY

Design | Green Rainwater Infrastructure Concepts

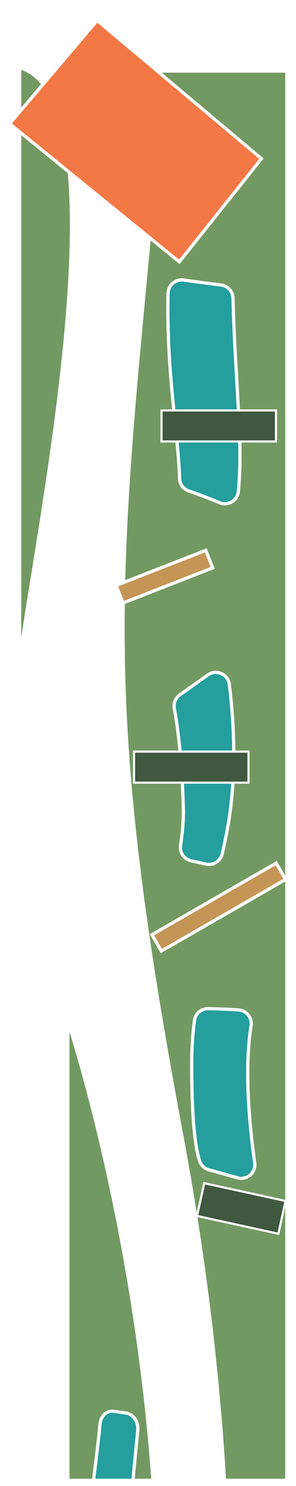
Design Concepts Summary



Flow

Flow plays on the rhythm of the natural environment, immersing the pedestrian in the landscape as they follow a meandering sidewalk.

Flow contrasts natural forms with the surrounding urban environment, creating moments of distinction for pause and reflection. The angular plazas contrast the informal arrangement of the bioswale's gentle slopes and naturally formed check dams – which slow the flow of water – constructed as planted and boulder walls.



Ripple

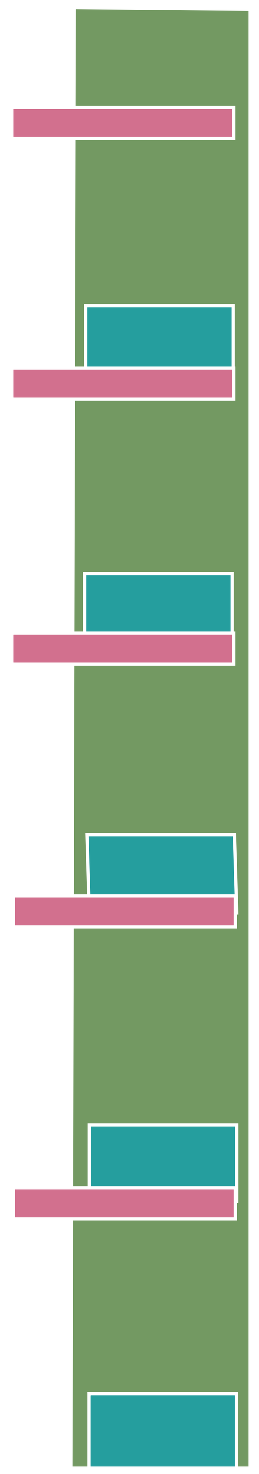
Ripple is inspired by the ripples created by a raindrop. Raindrops and their ripples are subtly expressed in the design details along the Rainway, forming circular plazas for gathering and curved check dams to slow the flow of rainwater.

Ripple uses a gentle slope to transition from sidewalk to bioswale — mimicking natural forms — and leveraging a small retaining wall along the bike lane, including both hard and soft bioswale edges.

Falls

Falls emphasizes the check dams, highlighting the movement of rainwater along the Rainway. The check dam is extended into the sidewalk as a paving band, articulating the moments where rainwater transitions from cell to cell.

This concept uses a small retaining wall to transition from both the sidewalk and the bike lane to the bioswale, creating a clearly defined hard edge. The wall can be softened or expressed with different plant choices.



Gathering space | Green space | Space for rainwater | Hard check dam | Planted check dam | Space for walking or rolling

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[Rain City Strategy]

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Concept A: Flow

Components	What is Distinct?
Gathering Spaces	Angular plazas and small grass picnic areas
Check Dams	Boulders and planted dams to slow the flow of rainwater
Bioswale Edge	Gentle slopes on both sides
Sidewalk	Meandering sidewalk on east side of St. George Street

Proposed changes to intersection of E 7th Ave and St. George Street

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Concept A: Flow

Block 2: 8th to 7th Ave

Block 3: 7th to 8th Ave

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Concept B: Ripple

Components	What is Distinct?
Gathering Spaces	Circular plazas
Check Dams	Curved concrete dams, to slow the flow of rainwater, some with integrated stepping stones for informal play
Bioswale Edge	Planted slope along sidewalk and small retaining wall along bike lane
Sidewalk	Straight sidewalk

Proposed changes to intersection of E 7th Ave and St. George Street

Block 1: Broadway to 8th

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Concept B: Ripple

Block 2: 8th to 7th Ave

Block 3: 7th to 6th Ave

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Concept C: Falls

Components	Description
Gathering Spaces	Rectangular plazas
Check Dams	Straight concrete dams level with the sidewalk surface to slow the flow of rainwater
Bioswale Edge	Small retaining wall on both sides
Sidewalk	Straight sidewalk

Proposed changes to intersection of E 7th Ave and St. George Street

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