ALTERNATIVE 1: STRUCTURAL FLOOD REDUCTION
CONCEPTUAL PUBLIC BENEFITS

MODULAR PROTECTION STRATEGY
BENCH + CANOPY + AMPHITHEATER + PLANTING

RESIDENTIAL PASSAGE
CANTILEVERED WALKWAY

INTERIOR DEPLOYABLE STRATEGY
PROPOSED IMPROVEMENTS

ECOLOGICAL PATH
BERM + PUBLIC REALM

FLUVIAL WETLAND PARK
FLOODED VIEW OF PARK

PLANTED STREET MEDIAN
FLOOD WALL + PLANTING

1. RAINFALL
Water from storm events falls onto vegetated filter strip.

2. CONVEYANCE
Pavement pitches towards planter and allows for sheetflow/filtration into planter.

3. ABSORPTION
Reduce stormwater volume sent to the collection system.

4. PERMEABLE PAVING
Stormwater is detained in a subsurface storage layer (drain rock).

1. RAINFALL
Water from storm events falls onto the landscape.

2. CONVEYANCE
Pavement pitches towards planter and allows for sheetflow/filtration into planter.

3. PERMEABLE PAVING
Stormwater is detained in a subsurface storage layer (drain rock).

1. RAINFALL
Water from storm events falls onto the streetscape.

2. CONVEYANCE
Pavement pitches towards planter and allows for sheetflow/filtration into planter.

3. PERMEABLE PAVING
Stormwater is detained in a subsurface storage layer (drain rock).

HABITAT
Wetland habitat enhancement, increase in biodiversity.

STORM EVENTS
In large water events the low land can flood while the upland berms stop the flow.

FLUSHED VIEW OF PARK
Constructed Wetland
Expanded Wetland
Boardwalk
Earthen Berm
Bioretention

RESIDENTIAL PASSAGE
CANTILEVERED WALKWAY

RESIDENTIAL PASSAGE
CANTILEVERED WALKWAY

RESIDENTIAL PASSAGE
CANTILEVERED WALKWAY

RESIDENTIAL PASSAGE
CANTILEVERED WALKWAY
ALTERNATIVE 2: 
STORM WATER DRAINAGE IMPROVEMENTS
CONCEPTUAL PUBLIC BENEFITS

OPEN SPACE
MANAGING WATER AND PROVIDING PUBLIC OPEN SPACE

STREET IMPROVEMENTS
BIKE LINES + BIOSWALEs

STREET IMPROVEMENTS
WALKABLE STREETS + BIKE LINES

STREET IMPROVEMENTS
PERMEABLE PAVING + RUNNELS + STREET TREES

REVIVING THE DITCH
OPTION 1: EXTEND THE RIPARIAN CORRIDOR

REVIVING THE DITCH
OPTION 2: DAYLIGHT AND ENHANCE THE DITCH
ALTERNATIVE 1: KIT OF PARTS
STRUCTURAL FLOOD REDUCTION

BASIC FLOOD WALL

SHEET PILE

VINE PLANTING

BENCH

PLANter

CANOPY

ART

AMPHITHEATER

BERM + PATH

BERM + WALL

CANTILEVERED WALKWAY

FLIP DEPLOYABLE

PANEL DEPLOYABLE

INFLATABLE DEPLOYABLE
ALTERNATIVE 2: KIT OF PARTS
STORM WATER DRAINAGE IMPROVEMENTS

OPEN SPACE

BIOSWALE

BIORETENTION

FILTER STRIP

PERMEABLE PAVING

WETLAND ENHANCEMENT/CREATION

RUNNEL

RAIN GARDEN

BIKEABLE STREETS

WIDENING DITCHES