REBUILD BY DESIGN

MEADOWLANDS



CITIZEN ADVISORY GROUP (CAG) MEETING #4

CONCEPT COMPONENT DEVELOPMENT

FLOOD PROTECTION PROJECT

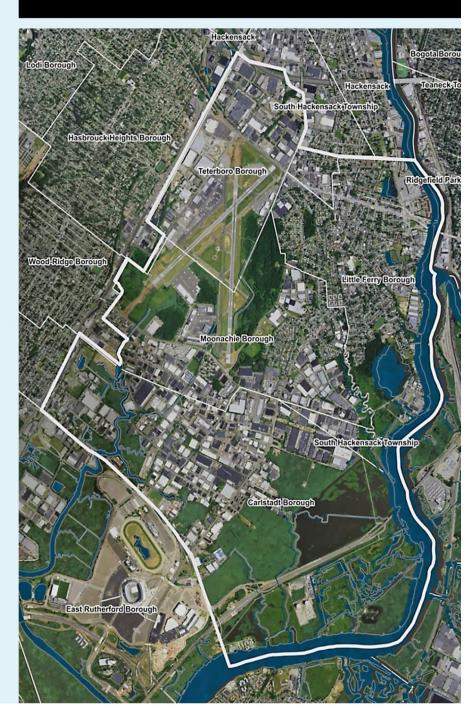
Boroughs of Little Ferry, Moonachie, Carlstadt, and Teterboro, and the Township of South Hackensack in Bergen County, New Jersey

September 20, 2016













Español 中文:繁體版 Việt-ngữ 한국어 Tagalog Português العربية Kreyòl ગુજરાતી Italiano Polski www.renewjerseystronger.org





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1.0 List of Acronyms and Glossary

List of Acronyms

BCR Benefit/Cost Ratio

CAG Citizen Advisory Group

CDBG-DR Community Development Block Grant – Disaster Recovery

EFH Essential Fish Habitat

EIS Environmental Impact Statement

HUD Department of Housing and Urban Development

NEPA National Environmental Policy Act

NJDEP New Jersey Department of Environmental Protection

RBD Rebuild by Design

RBDM Rebuild by Design Meadowlands





Glossary

Bioretention - is the process in which contaminants and sedimentation are removed from storm water runoff. Storm water is collected in treatment areas which often include landscape vegetation

Bioswale - a vegetated landscape swale that removes silt and pollution from surface runoff water, usually with gently sloped sides

Easement - the right to use and/or enter onto the property of another without possessing it

Encumbrance - an encumbrance is property which may be owned by one entity but other entities may have a right to or legal liability on the property

Filter strip - a flat vegetated area that removes pollutants from storm water as the storm water moves across as sheet flow. Filter strips are between 25 and 100 feet long

Fluvial Park - a public park with various ecosystems, especially related to wetlands and river ecosystems, with varying elevations and habitats. During a flood event the park can handle water inundation

Permeable Paving - a type of paving that allows rainwater to filter through the surface into a water catchment base, often created with interlocking paver tiles or a porous material surface

Public Realm - publicly owned streets, pathways, right of ways, parks, publicly accessible open spaces and any public and civic building and facilities

Rain Garden - a planted depression in a garden that absorbs rainwater runoff from impervious areas such as roofs, driveways, walkways, parking lots, and lawn areas

Runnel - a designed and landscaped channel that directs and assists the flow of rainwater

Widening Ditch – (3) Main ways to improve the ditches; daylighting and increasing habitat and vegetation, extending the ditch to connect to riparian corridor, and filling the ditch with aggregate, but expanding habitat above





2.0 Agenda

Design Concepts Work Session

6-8 Pm September 20, 2016

Conference Room Location Port Authority Conference Room 90 Moonachie Ave Teterboro, NJ 07608

Welcome

Presentation (30 Minutes)

Opening Remarks (Linda Fisher, NJDEP)

Project Status Update (Christopher Benosky, AECOM)

Conceptual Design Considerations and Network Maps (Susan Bemis, AECOM)

Conceptual Design Kit of Parts for the (3) Alternatives (Structural Flood Reduction, Storm Water Drainage Improvements, and Hybrid).

Breakout Session (80 Minutes)

Alternative 1: Structural Flood Reduction (30 Minutes)

Alternative 2: Storm Water Drainage Improvements (30 Minutes)

Alternative 3: Hybrid (20 Minutes)

Next Steps & Q&A/Closure (10 Minutes)

Next Steps (Linda Fisher, NJDEP)

CAG Call to Action

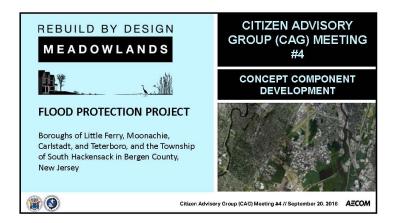
Critical Schedule Dates

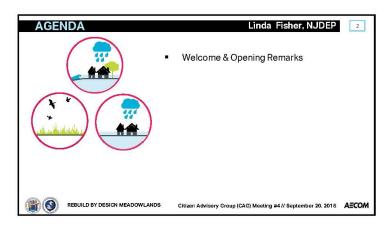
Question and Answers

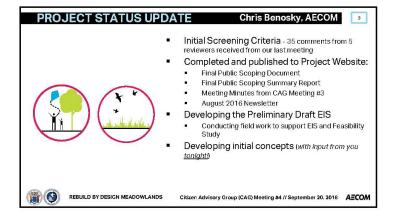


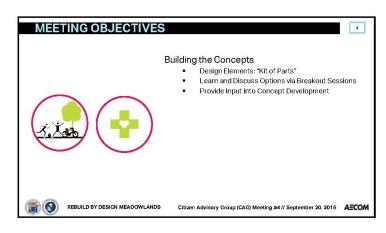


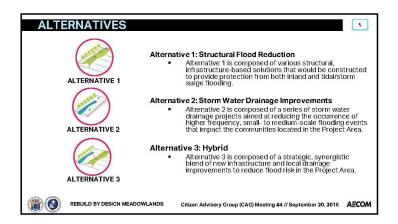
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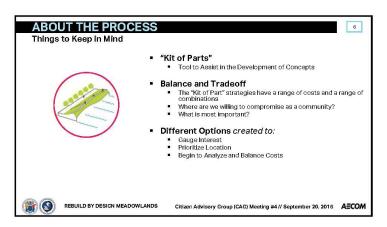




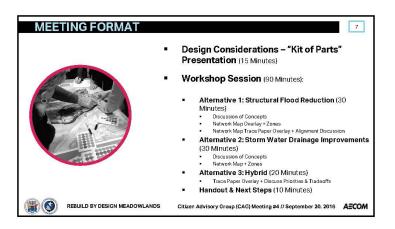


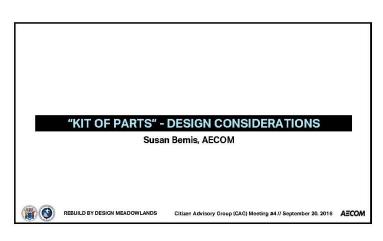


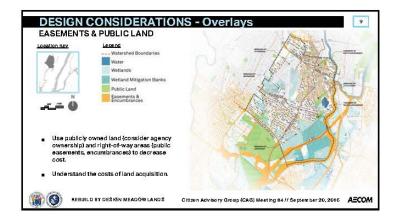


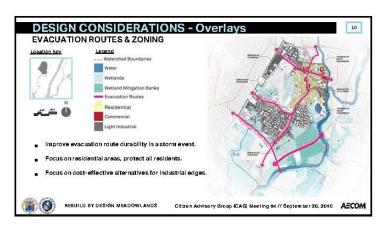


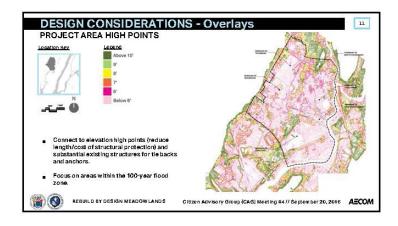


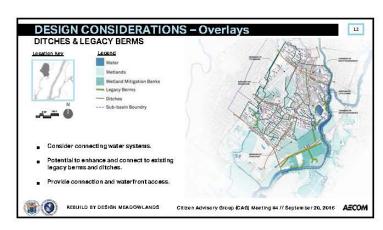




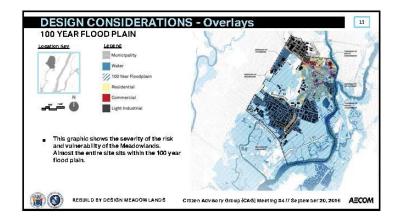


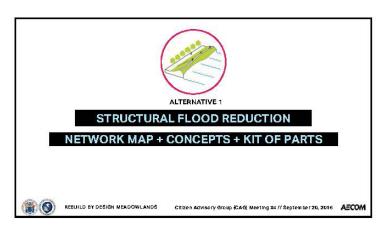


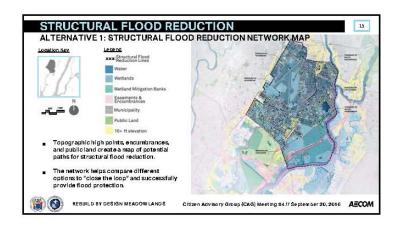


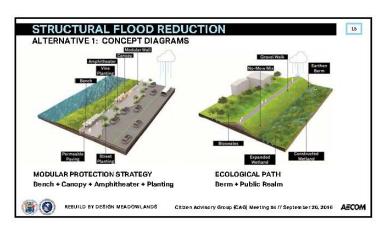


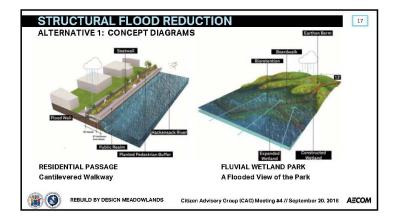


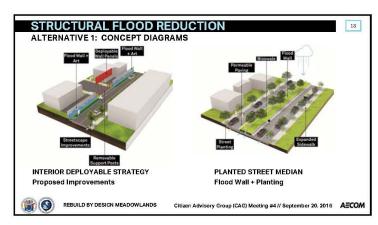












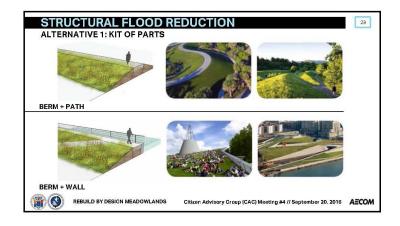








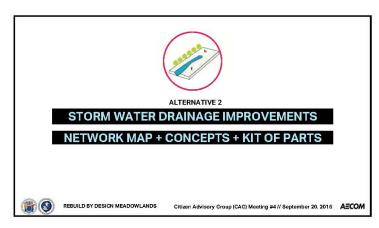


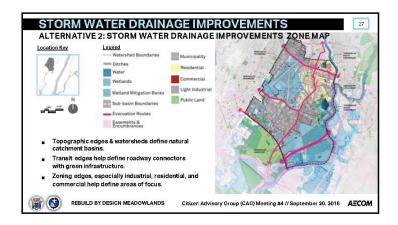




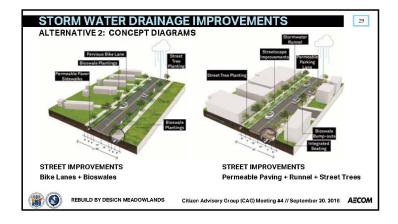




















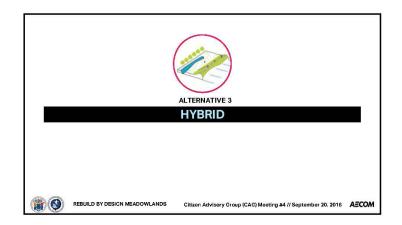


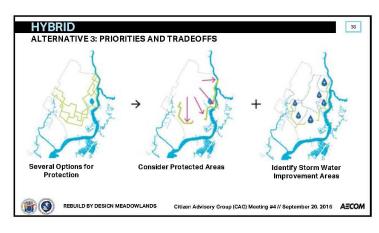




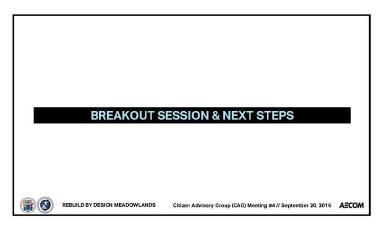




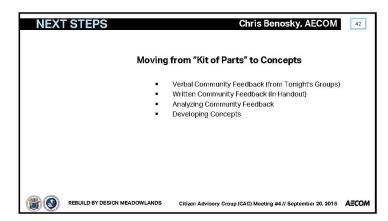




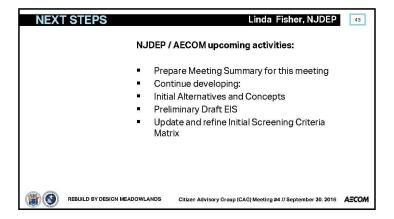


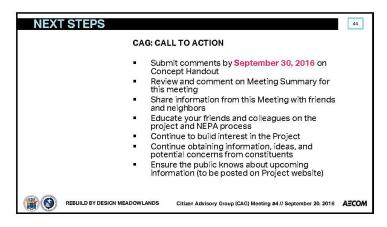


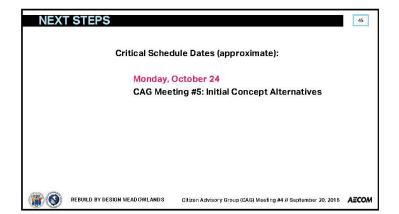


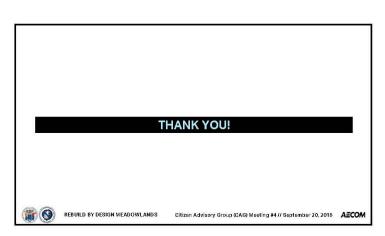












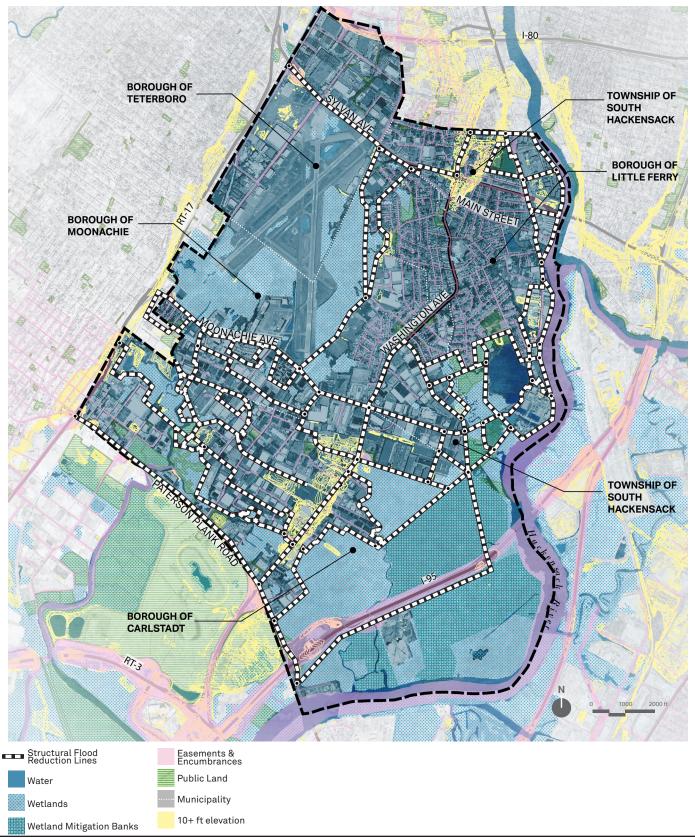




4.0 Boards

ALTERNATIVE 1: NETWORK ANALYSISSTRUCTURAL FLOOD REDUCTION

REBUILD BY DESIGN
MEADOWLANDS







ALTERNATIVE 1: KIT OF PARTSSTRUCTURAL FLOOD REDUCTION

REBUILD BY DESIGN MEADOWLANDS

BASIC FLOOD WALL





VINE PLANTING



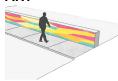


PLANTER



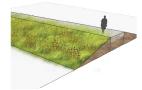


ART



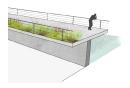


BERM + PATH



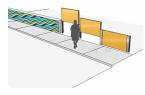


CANTILEVERED WALKWAY





PANEL DEPLOYABLE





SHEET PILE





BENCH





CANOPY





AMPHITHEATER



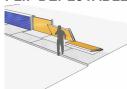


BERM + WALL



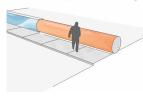


FLIP DEPLOYABLE





INFLATABLE DEPLOYABLE



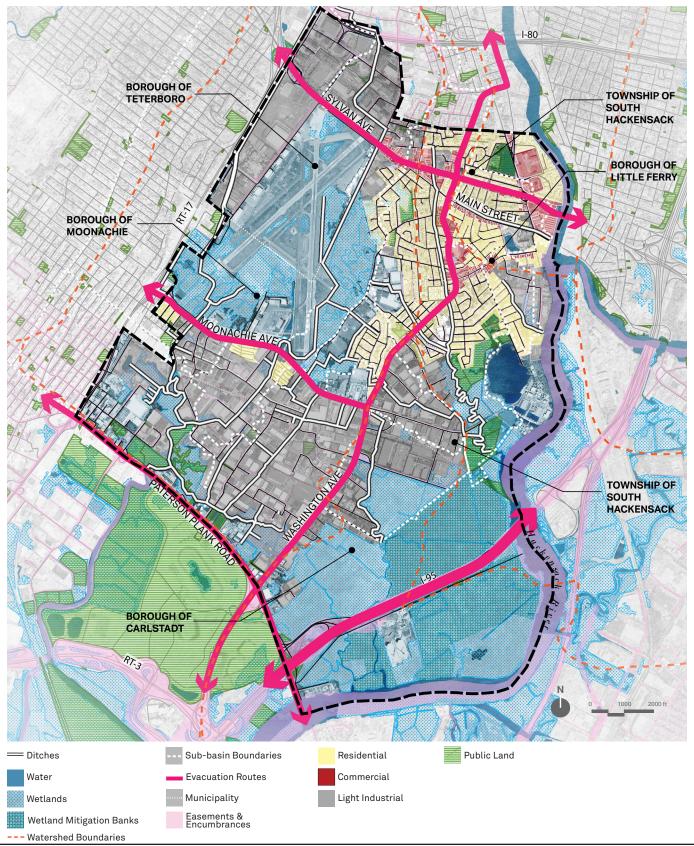






ALTERNATIVE 2: NETWORK ANALYSISSTORM WATER DRAINAGE IMPROVEMENTS

REBUILD BY DESIGN MEADOWLANDS







ALTERNATIVE 2: KIT OF PARTSSTORM WATER DRAINAGE IMPROVEMENTS

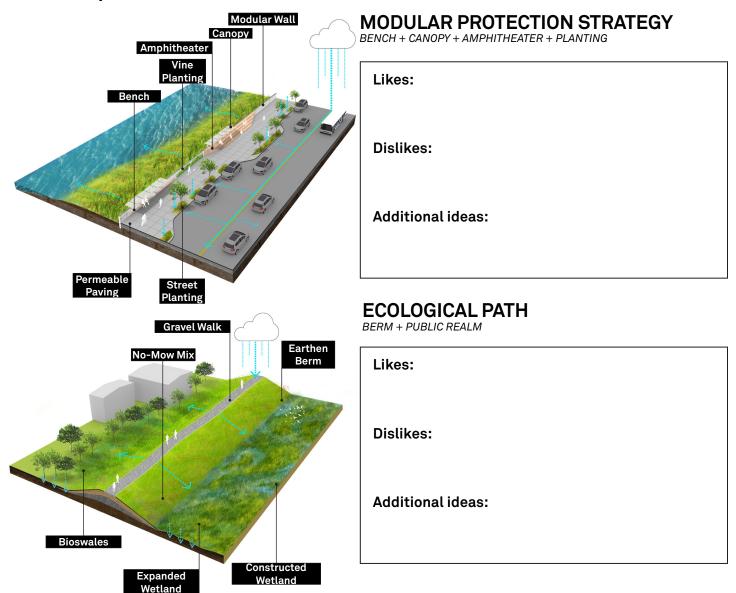








5.0 Concept Worksheets



Flood Wall 8' Cantilever Over Water Public Realm

Planted Pedestrian Buffer

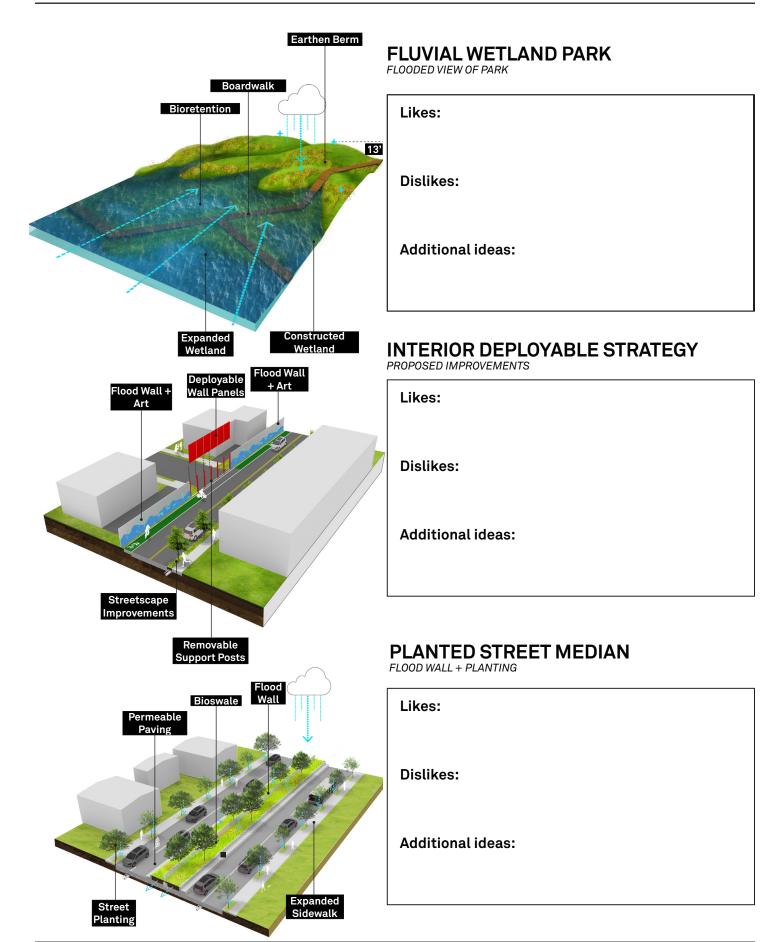
RESIDENTIAL PASSAGE

CANTILEVERED WALKWAY

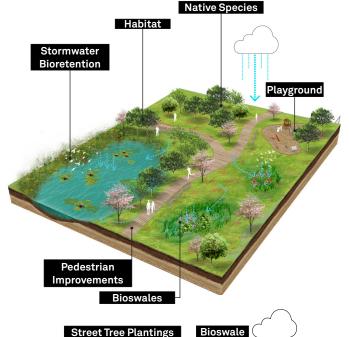
Likes:

7	
	Dislikes:
	Additional ideas:









OPEN SPACE

MANAGING WATER + PROVIDING PUBLIC OPEN SPACE

Likes:

Dislikes:

Additional ideas:



STREET IMPROVEMENTS

WALKABLE STREETS + BIKE LANES

Likes:

Dislikes:

Additional ideas:

Pervious Bike Lane Bioswale Plantings Permeable Paver Sidewalks Bioswale Plantings Bioswale Plantings

STREET IMPROVEMENTS

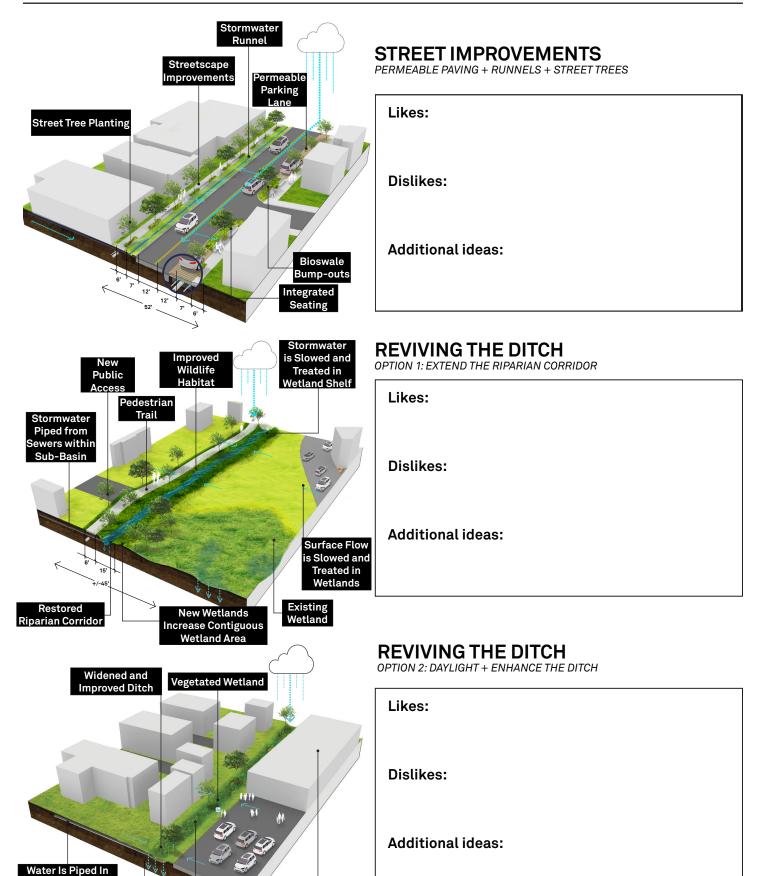
BIKE LANES + BIOSWALES

Likes:

Dislikes:

Additional ideas:





Educational Component

No Standing Water





6.0 Personal Notes

