REBUILD BY DESIGN

MEADOWLANDS

CITIZEN ADVISORY GROUP (CAG) MEETING #6

ALTERNATIVE 1: STRUCTURAL FLOOD REDUCTION CONCEPT DEVELOPMENT

December 6, 2016







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





Table of Contents

1.0	List of Acronyms	3
2.0	Agenda	Z
	Power Point Presentation	
4.0	Concept Worksheets	. 32
5.0	Personal Notes	. 35

1.0 List of Acronyms

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





2.0 Agenda

Alternative 1: Structural Flood Reduction Concept Development

6-8 PM December 6, 2016

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

Project Website
www.rbd-meadowlands.nj.gov
Project email
rbd-meadowlands@dep.nj.gov

Welcome

Presentation

Opening Remarks (10 Minutes)

Agenda (Linda Fisher, NJDEP)

Project Status Update and Introduction to Alternative 1 (Chris Benosky, AECOM)

Alternative 1: Structural Flood Reduction Concept Development (40 Minutes)

Flood Conditions (Chris Benosky, AECOM)

Preliminary Flood Reduction Alignment Options (Garrett Avery, AECOM)

Design Elements- Applying the "Kit of Parts" (Susan Bemis, AECOM)

Next Steps & Q&A/Closure (30 Minutes)

Next Steps (Chris Benosky, AECOM)

Question and Answers





3.0 Power Point Presentation

REBUILDBYDESIGN **MEADOWLANDS**

CITIZEN ADVISORY GROUP (CAG) MEETING #6

ALTERNATIVE 1: STRUCTURAL FLOOD REDUCTION CONCEPT DEVELOPMENT

AGENDA

Linda Fisher, NJDEP



- Welcome & Opening Remarks
- Project Status Update and Schedule
- Alternative 1: Structural Flood Reduction Concept Development
 - Flood Conditions
 - Flood Reduction Alignment Options
 - Developing the "Kit of Parts"



REBUILD BY DESIGN MEADOWLANDS





PROJECT STATUS UPDATE

Chris Benosky, AECOM

- Developed working draft Concept Screening Criteria
- Completed and published to Project Website:
 - Meeting Minutes from CAG Meeting #5
 - November 2016 Newsletter
- **Developing Alignment Options**



REBUILD BY DESIGN MEADOWLANDS

CAG Meeting #6 // December 6, 2016 **AECOM**

ALTERNATIVE 1:

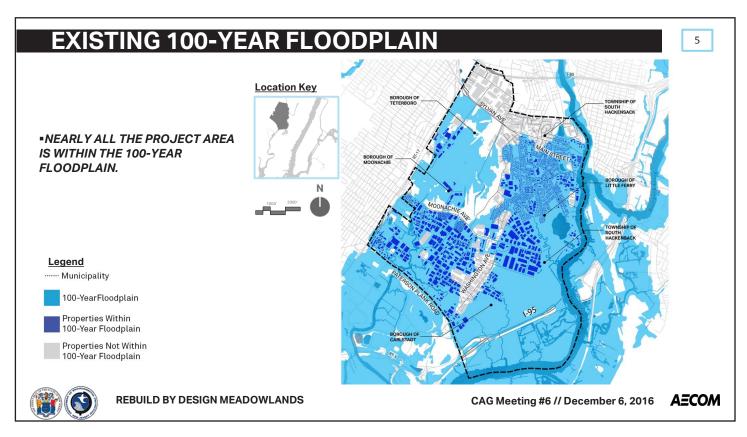
STRUCTURAL FLOOD REDUCTION

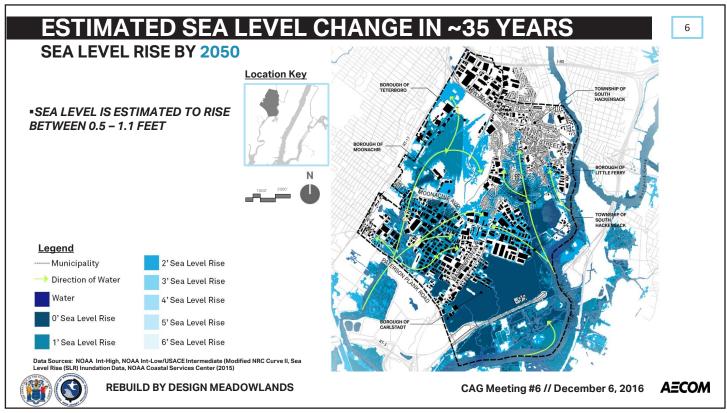
CHRIS BENOSKY, AECOM



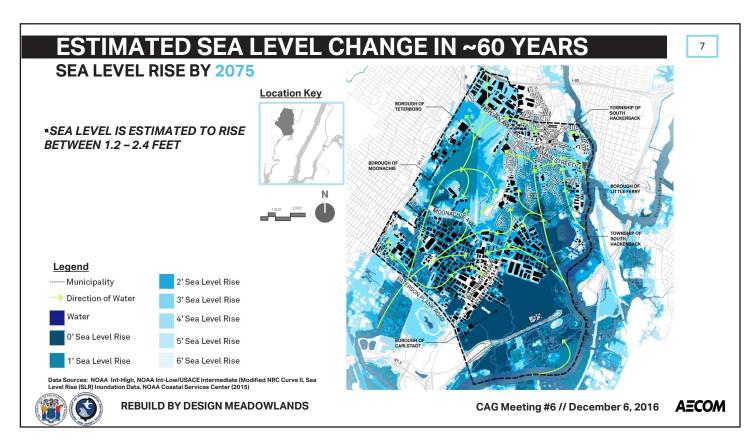
REBUILD BY DESIGN MEADOWLANDS

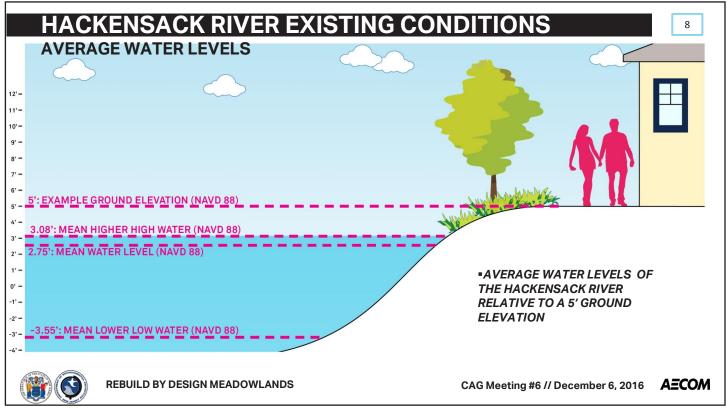




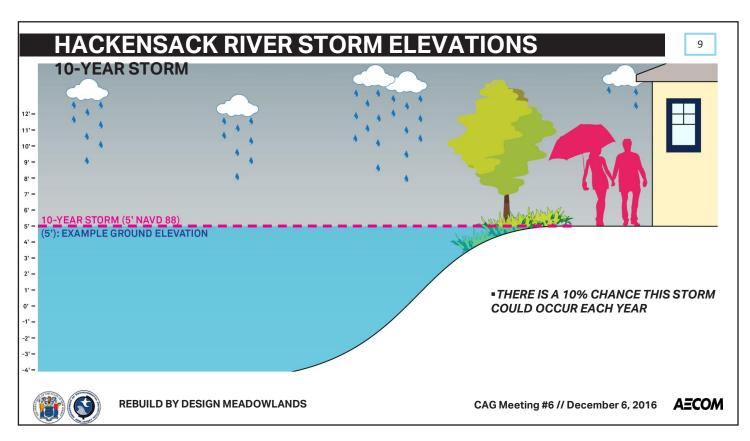


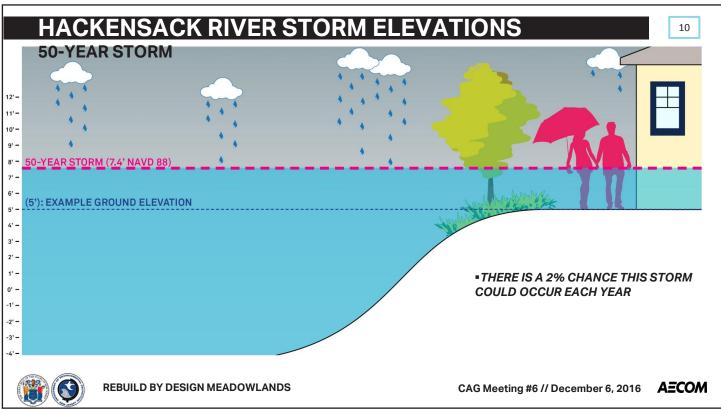






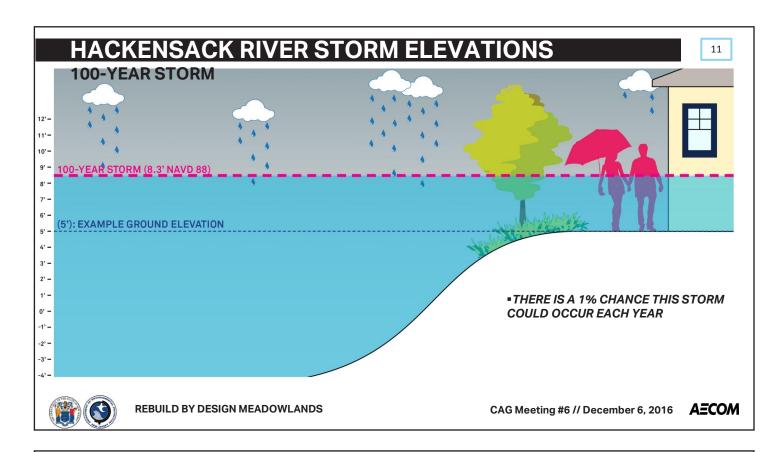












DEVELOPING THE ALIGNMENT

Chris Benosky, AECOM

12

STARTING AT A 7' ELEVATION



- 7' NAVD88 is approximately 8' NGVD29
- Using the 7' elevation as a study baseline
- 7' elevation maintains existing level of protection with Sea Level Rise through 2050
- Other elevation heights are being considered and will be included as costs and feasibility inputs are identified
- Currently investigating tie-in options and footprint locations

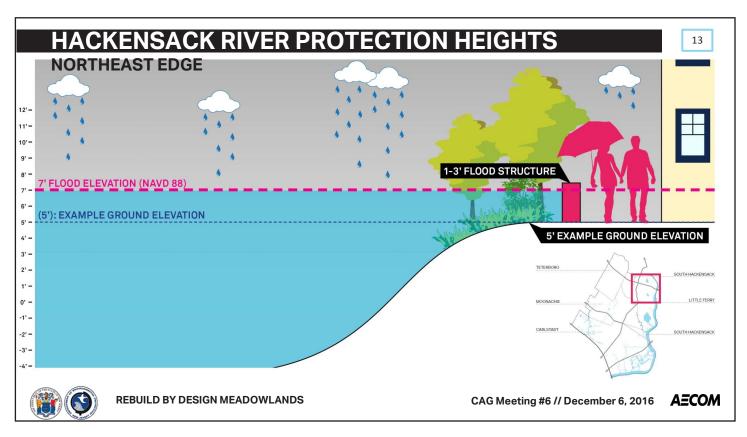


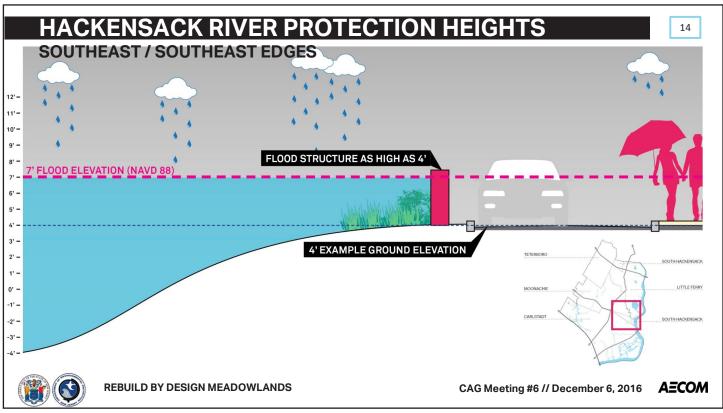
REBUILD BY DESIGN MEADOWLANDS

CAG Meeting #6 // December 6, 2016

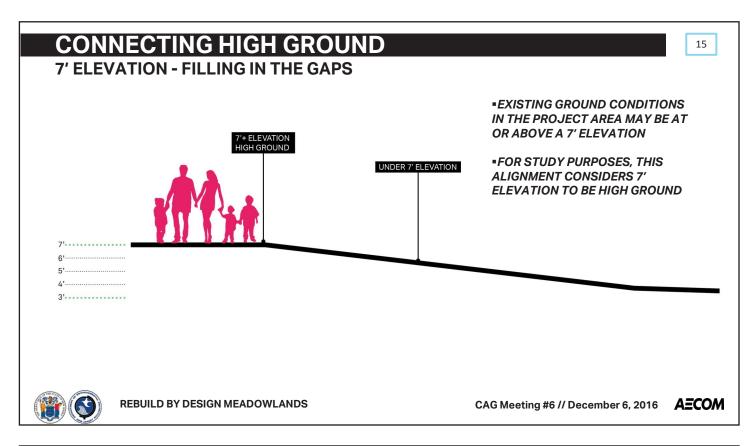
AECOM

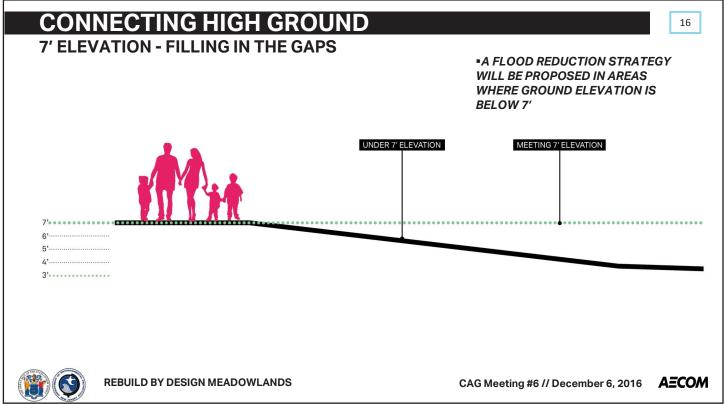








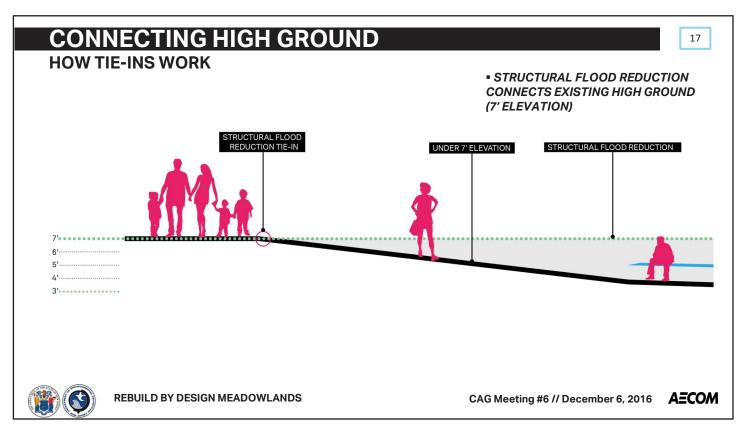


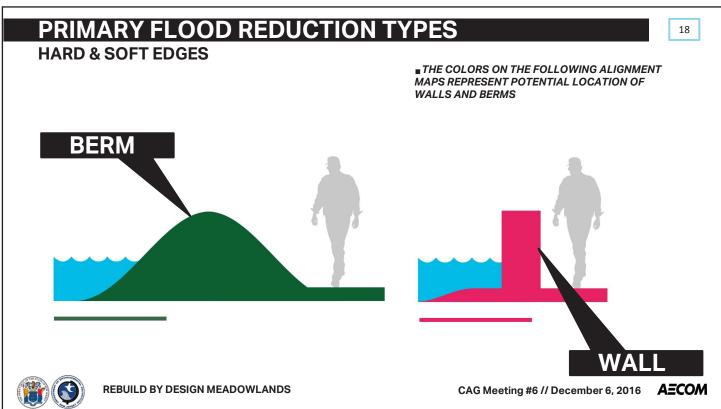




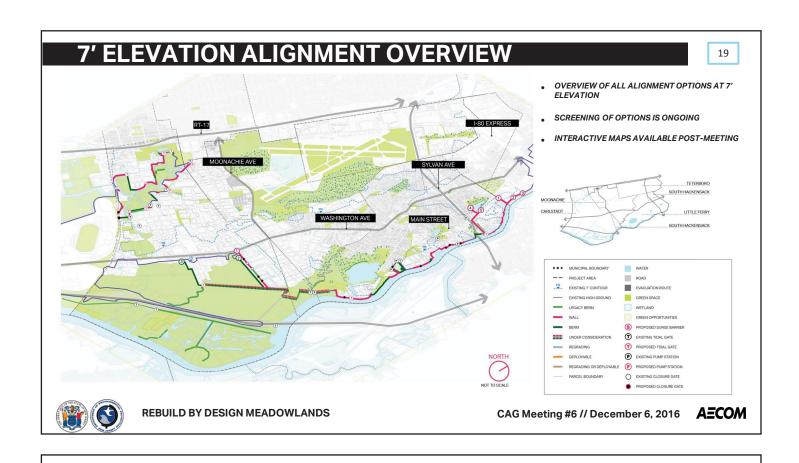


3.0 Power Point Presentation









PRELIMINARY

FLOOD REDUCTION ALIGNMENT OPTIONS GARRETT AVERY, AECOM

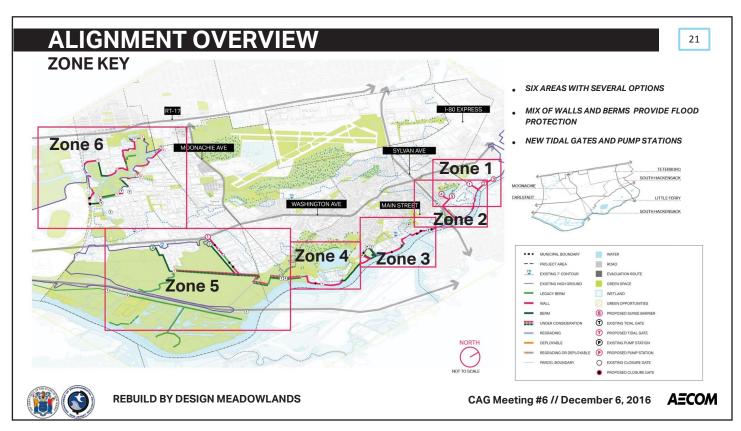


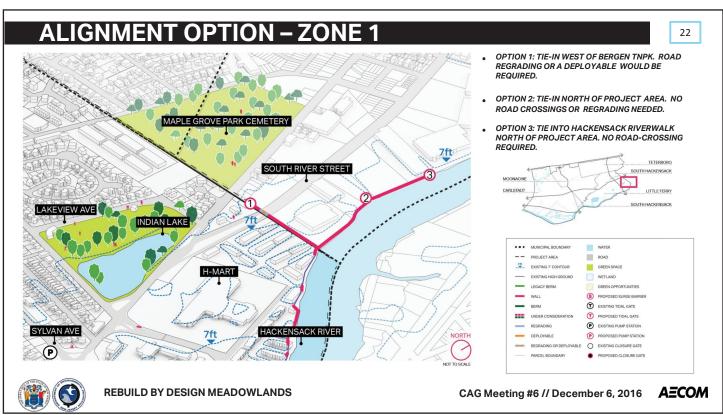
REBUILD BY DESIGN MEADOWLANDS

CAG Meeting #6 // December 6, 2016

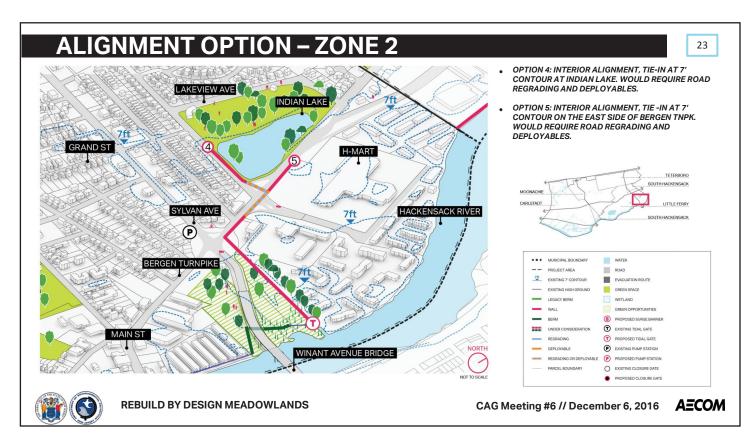
AECOM

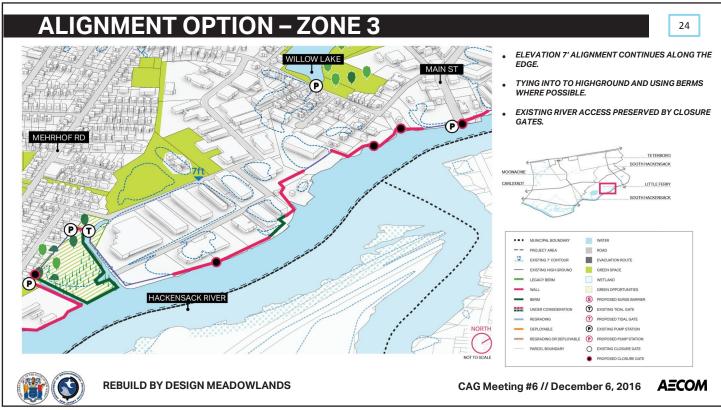




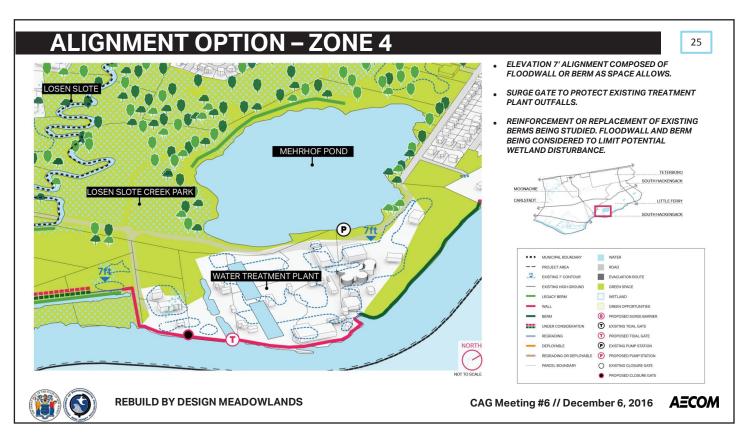


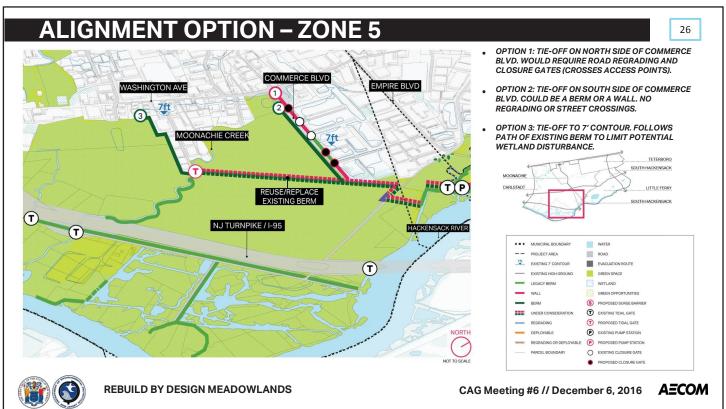




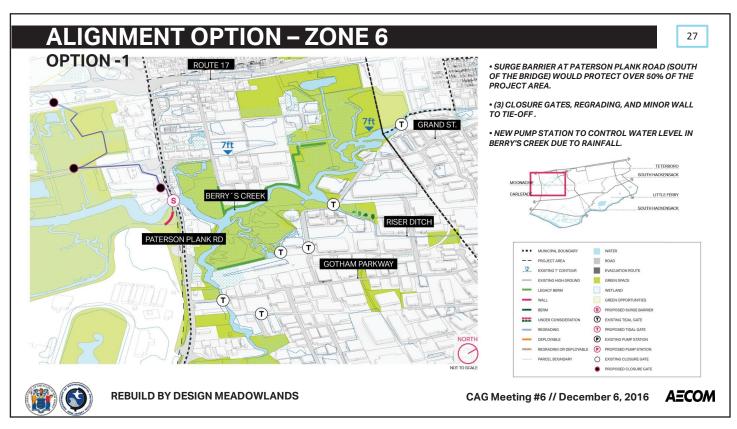


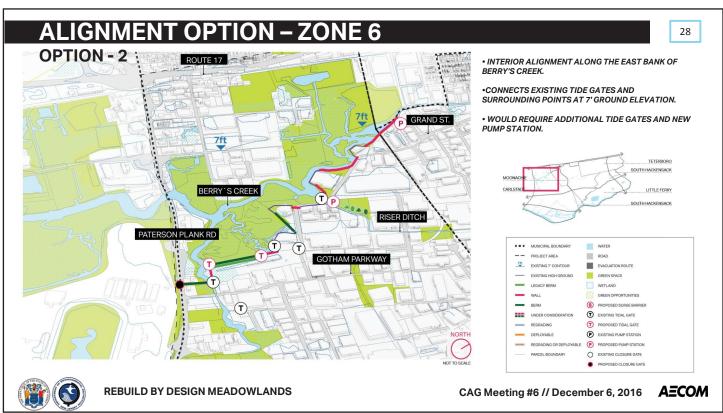




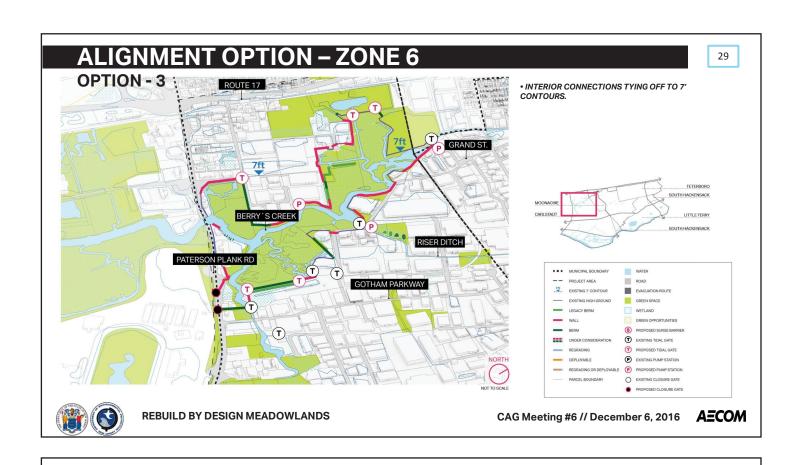












DESIGN ELEMENTS

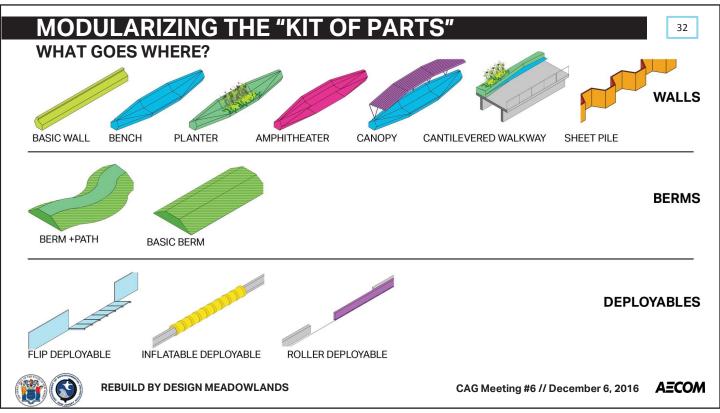
APPLYING THE "KIT OF PARTS" SUSAN BEMIS, AECOM



REBUILD BY DESIGN MEADOWLANDS

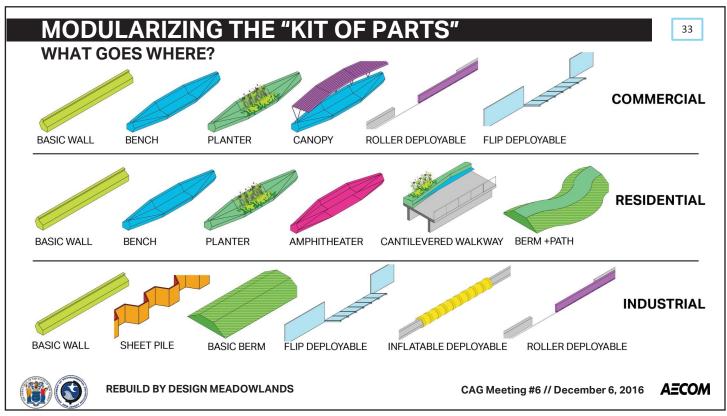


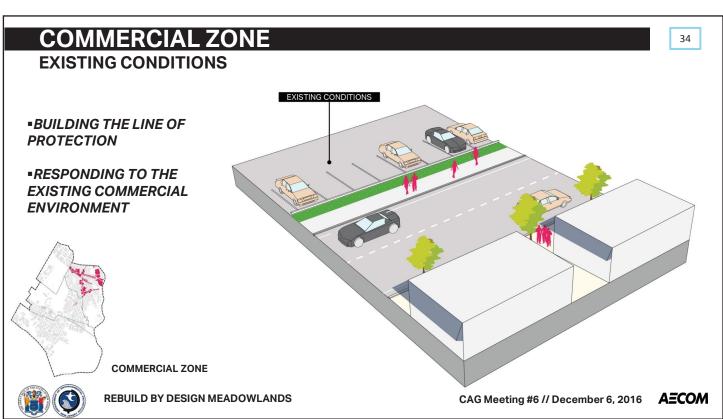






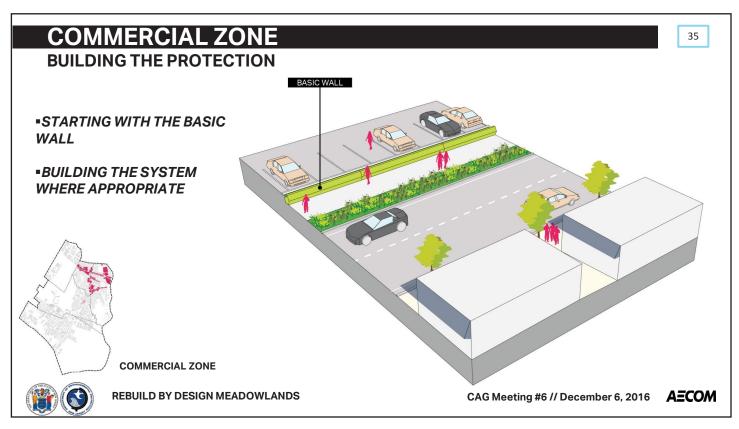


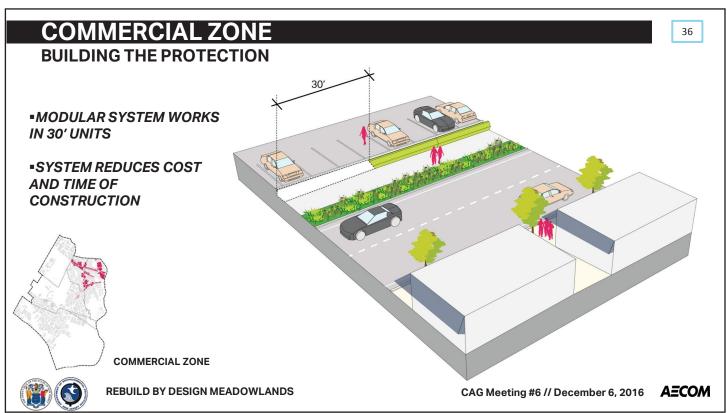




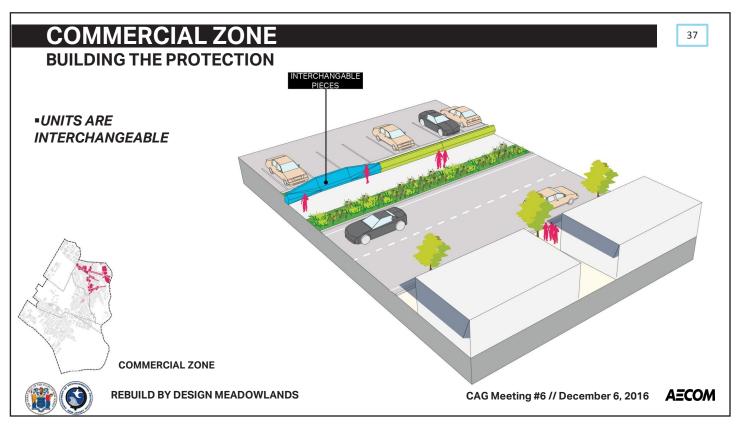


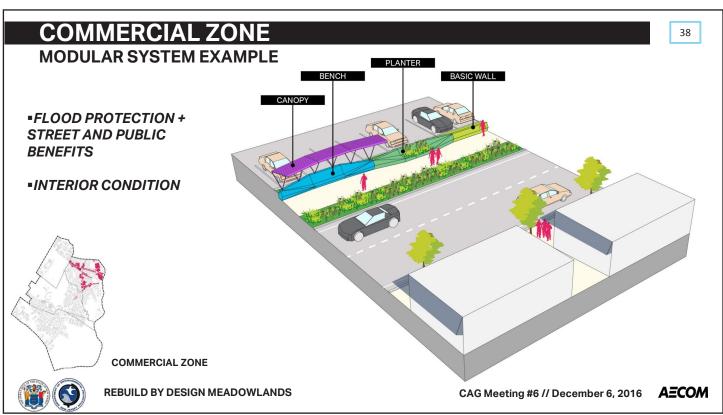




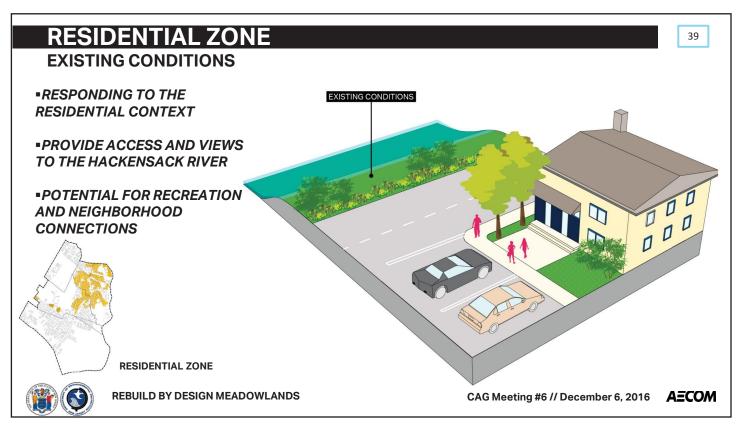


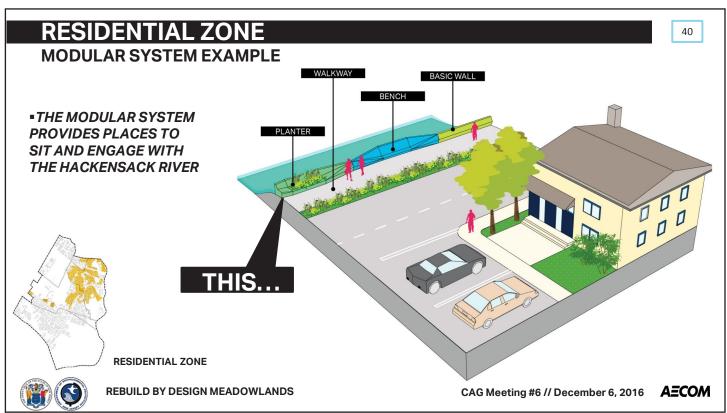




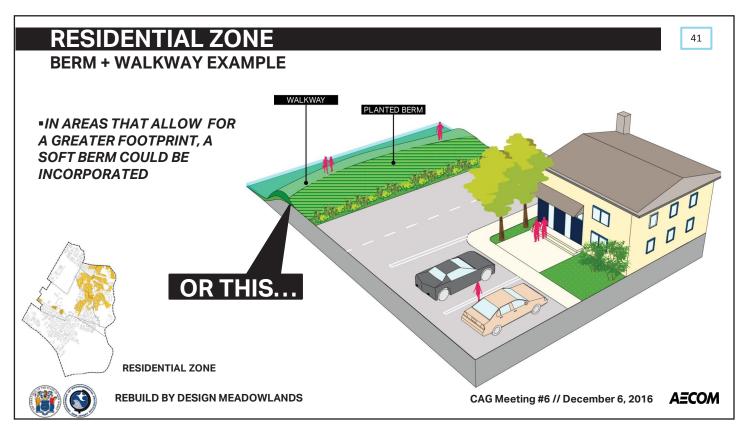


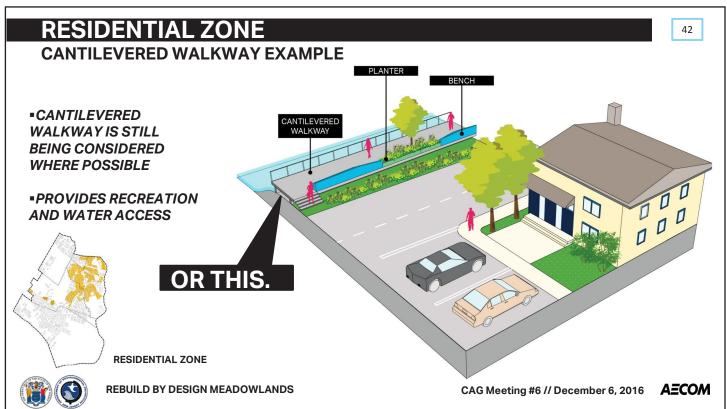




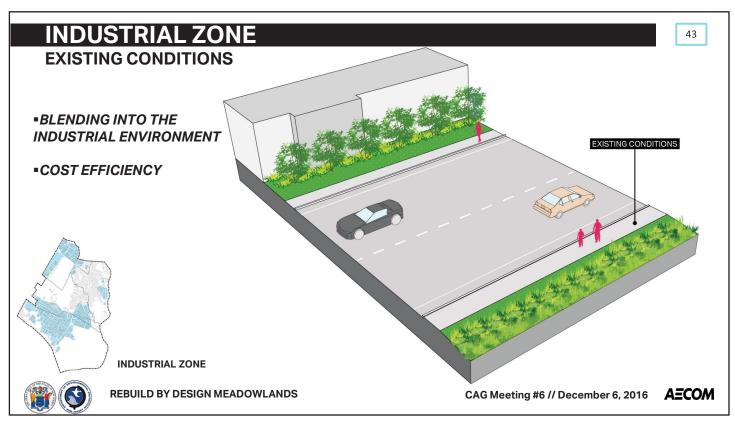


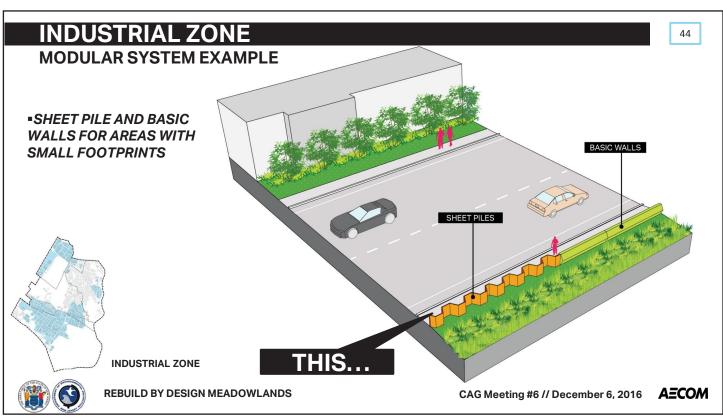








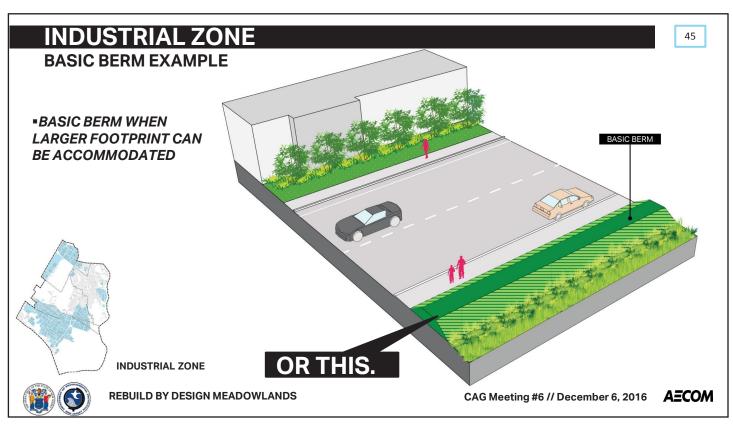


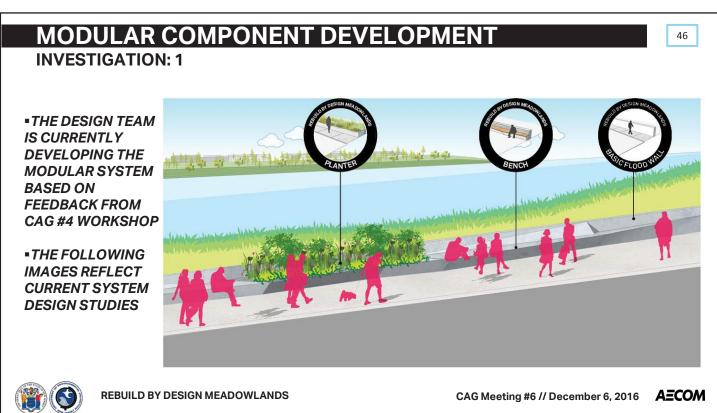






3.0 Power Point Presentation



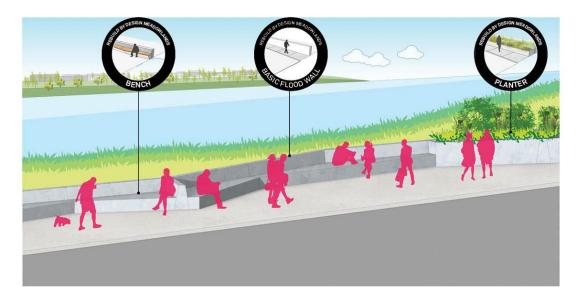






MODULAR COMPONENT DEVELOPMENT

INVESTIGATION: 2





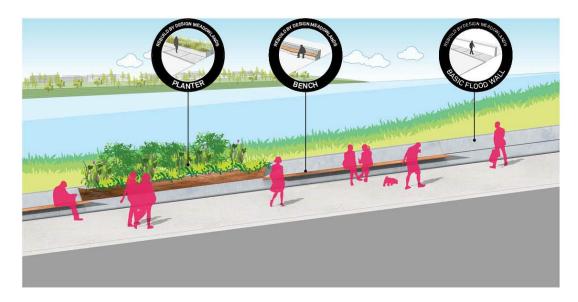
REBUILD BY DESIGN MEADOWLANDS

CAG Meeting #6 // December 6, 2016 **AECOM**

MODULAR COMPONENT DEVELOPMENT

48

INVESTIGATION: 3





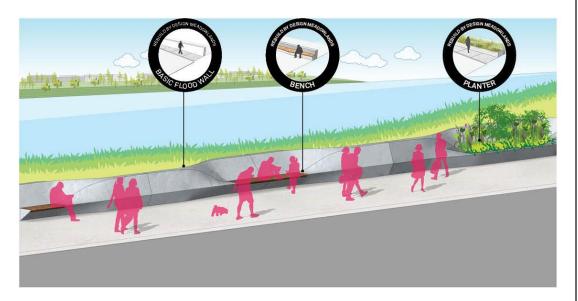
REBUILD BY DESIGN MEADOWLANDS





MODULAR COMPONENT DEVELOPMENT

INVESTIGATION: 4





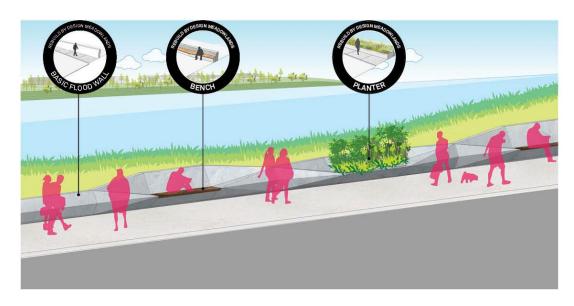
REBUILD BY DESIGN MEADOWLANDS

CAG Meeting #6 // December 6, 2016 **AECOM**

MODULAR COMPONENT DEVELOPMENT

50

INVESTIGATION: 5





REBUILD BY DESIGN MEADOWLANDS





NEXT STEPS

CHRIS BENOSKY, AECOM



REBUILD BY DESIGN MEADOWLANDS

CAG Meeting #6 // December 6, 2016 **AECOM**

NEXT STEPS

Chris Benosky, AECOM

52

NJDEP / AECOM UPCOMING ACTIVITIES

- Prepare Meeting Summary for CAG #6
- Continue developing:
 - Concepts and Alternatives
- CAG #7 in January
 - Alternative 3 Hybrid



REBUILD BY DESIGN MEADOWLANDS





NEXT STEPS

CAG: CALL TO ACTION

- Submit comments & worksheet from CAG #6 meeting on December 16, 2016
- Share information from this Meeting with friends and neighbors
- Continue to build interest in the Project
- Ensure the public knows about upcoming information (to be posted on Project website)



REBUILD BY DESIGN MEADOWLANDS

CAG Meeting #6 // December 6, 2016 AECOM

NEXT STEPS

54

Critical Information

January 31, 2017

CAG Meeting #7: Alternative 3 (Hybrid)

Project Website

www.rbd-meadowlands.nj.gov

Project Email

rbd-meadowlands@dep.nj.gov

Question & Answer



REBUILD BY DESIGN MEADOWLANDS





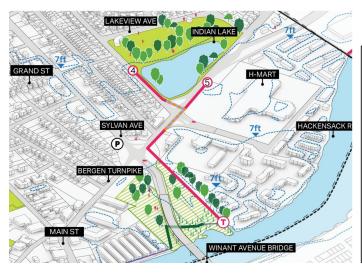
4.0 Concept Worksheets

MAPLE GROVE PARK CEMETERY SOUTH RIVER STREET WAVE H-MART HACKENSACK RIVER

ALIGNMENT OPTION - ZONE 1

What alignment do you prefer, and why?

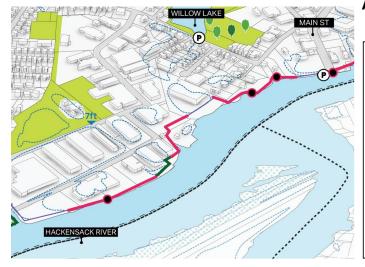
Are there any options you dislike, and why?



ALIGNMENT OPTION - ZONE 2

What alignment do you prefer, and why?

Are there any options you dislike, and why?

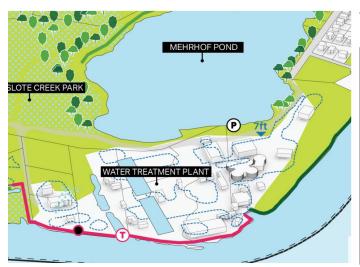


ALIGNMENT OPTION - ZONE 3

What alignment do you prefer, and why?

Are there any options you dislike, and why?





ALIGNMENT OPTION - ZONE 4

What alignment do you prefer, and why?

Are there any options you dislike, and why?



ALIGNMENT OPTION - ZONE 5

What alignment do you prefer, and why?

Are there any options you dislike, and why?

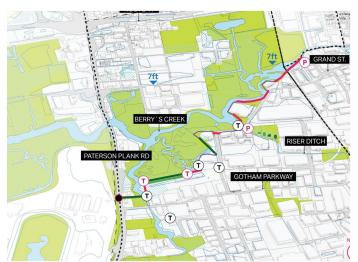


ALIGNMENT OPTION - ZONE 6OPTION 1

What alignment do you prefer, and why?

Are there any options you dislike, and why?

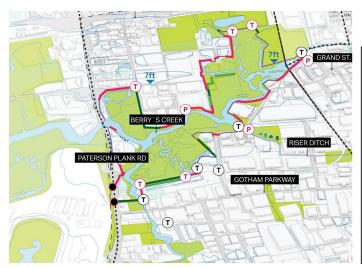




ALIGNMENT OPTION - ZONE 6OPTION 2

What alignment do you prefer, and why?

Are there any options you dislike, and why?



ALIGNMENT OPTION - ZONE 6OPTION 3

What alignment do you prefer, and why?

Are there any options you dislike, and why?





5.0 Personal Notes



