



**Broad Channel
Program Information Meeting
Committee Meeting #5**

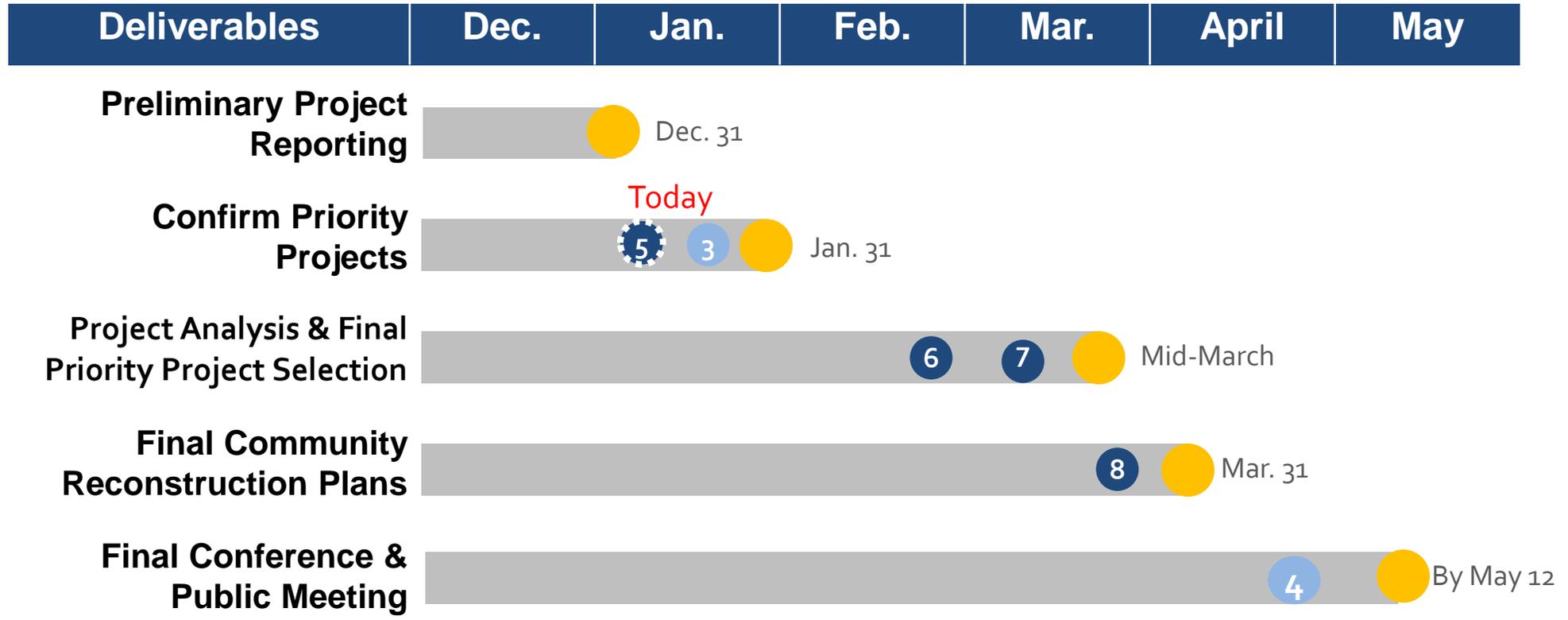
January 9, 2014

Agenda

- Updated State Guidance 6:30 – 6:45
- Project Screening Process 6:45 - 7:00
- Recovery Campus Update 7:00 – 7:15
- Infrastructure Projects Update 7:15 – 7:30
 - Street Raising Project - update on 14 - 19th
 - Lanark Road
 - E 12th Boardwalk
- Sunset Cove Update 7:30 – 7:45
- Public Meeting Discussion 7:45 – 8:00
- Specific Break-out Discussions 8:00 – 8:30

Project Schedule

- Planning Committee Meeting
- Public Meeting
- Deliverable Due Date



Meetings / Events Since Committee Meeting #4

- Meeting with MTA and PANYNJ
- Meeting with NPS
- Discussion with NYC DOT
- Two meetings with NYC DEP (one focused on Lanark Rd and E 12th Boardwalk)
- Multiple meetings with NYC DPR on Sunset Cove
- Governor's State of the State Announcement on Resilience

Revised DOS Delivery Schedule

January

- **Identify and classify “Priority CDBG-DR Projects” and “Featured Projects” for Broad Channel**
 - Current list of priority projects may exceed \$6.06 million allocation
 - Projection should conform to a range of \$6 million to \$9 million
 - Present priority and featured projects list to community

February

- **Finalize priority project list**
 - Analyze, Cost and Screen priority projects for final list
 - Gov Office of Storm Recovery determination of eligibility for priority projects and recipients
 - Develop draft of final plan

March

- **Committee will continue to coordinate mid-March which project(s) to submit for NY Rising funding**

April

- **Public Meeting to present final plan**

Clarification on Project Definitions

Priority Projects

- Projects that will be funded by the CDBG – DR allocation
 - \$6 to \$9 million target for Broad Channel

Example – BCAC Flood proof storage building

Featured Projects

- projects that the committee would recommend that will not be funded through this allocation but are integral to the long-term resiliency plan for the community

Example – extend Western Canal Blocks street raising to 14th – 19th Streets

Other Projects

- additional projects identified during the process (could be an appendix to the plan)

Regulatory Reforms

- recommendations made by the committee to modify, enhance or change current agency policies that would conform to long-term resilience plans for community

Evaluation Criteria for Project Prioritization

Term	Feasibility	Cost	Risk Reduction	Co-Benefits	Funding Availability	Public Support	Potential CDBG-DR Eligibility	Other Criteria?
<i>Short (1-2yrs), Mid (2-5yrs), Long (5+yrs)</i>	<i>High, Medium, Low</i>	<i>High, Medium, Low</i>	<i>High, Medium, Low</i>	<i>Resiliency Co-Benefits, Non-Resiliency Co-Benefits</i>	<i>High, Medium, Low</i>	<i>High, Medium, Low</i>	<i>High, Medium, Low</i>	

DOS criteria defined

Criteria:	Feasibility	Cost*	Risk Reduction	Co-Benefits
High	Little to no physical, regulatory, or political impediments to implementation. Could initiate program/construction, given the funding, within a year	\$1-3M	Eliminates threat or thoroughly protects	Co-Benefits include both resiliency and non-resiliency related benefits.
Medium	Some physical, regulatory, or political hurdles to implementation but could still be implemented (given funding) within 5 years	\$500K - \$1M	Significantly enhances resiliency or provides some protection from flooding	Resiliency Co-Benefit example: Lays groundwork for future risk reduction
Low	Many and difficult physical and regulatory hurdles to implementation. Once approved / funded would likely take more than 5 years to implement	<\$500K	Provides little to no protection from flooding and does little to enhance resiliency	Non-resiliency Co-Benefit examples: Job growth, social services, preservation of neighborhood character

* Very High Cost = >\$3M

CDBG-DR Eligibility – Preliminary Interpretation

Likelihood of funding	Types of Projects
<p>High</p>	<ul style="list-style-type: none"> • Capital resiliency-focused projects (including coastal protection measures, physical resiliency improvements to homes & businesses, community center resiliency improvements, “immovable” equipment for buildings)
<p>Medium</p> <p>eligible, but may require strong case to HUD (that community would have been better prepared for Sandy with project in place)</p>	<ul style="list-style-type: none"> • Planning studies for specific resiliency capital projects (e.g., planning and design of flood gate) • CBO capacity building (emergency plans and training, operating expenses) • Technical support for residential & business
<p>Low</p>	<ul style="list-style-type: none"> • Capital & social resiliency projects with a limited resiliency argument • Broad planning studies not focused on a specific capital project • CBO mobile equipment purchases (e.g. emergency generators)

Information Gap Analysis for Community Projects

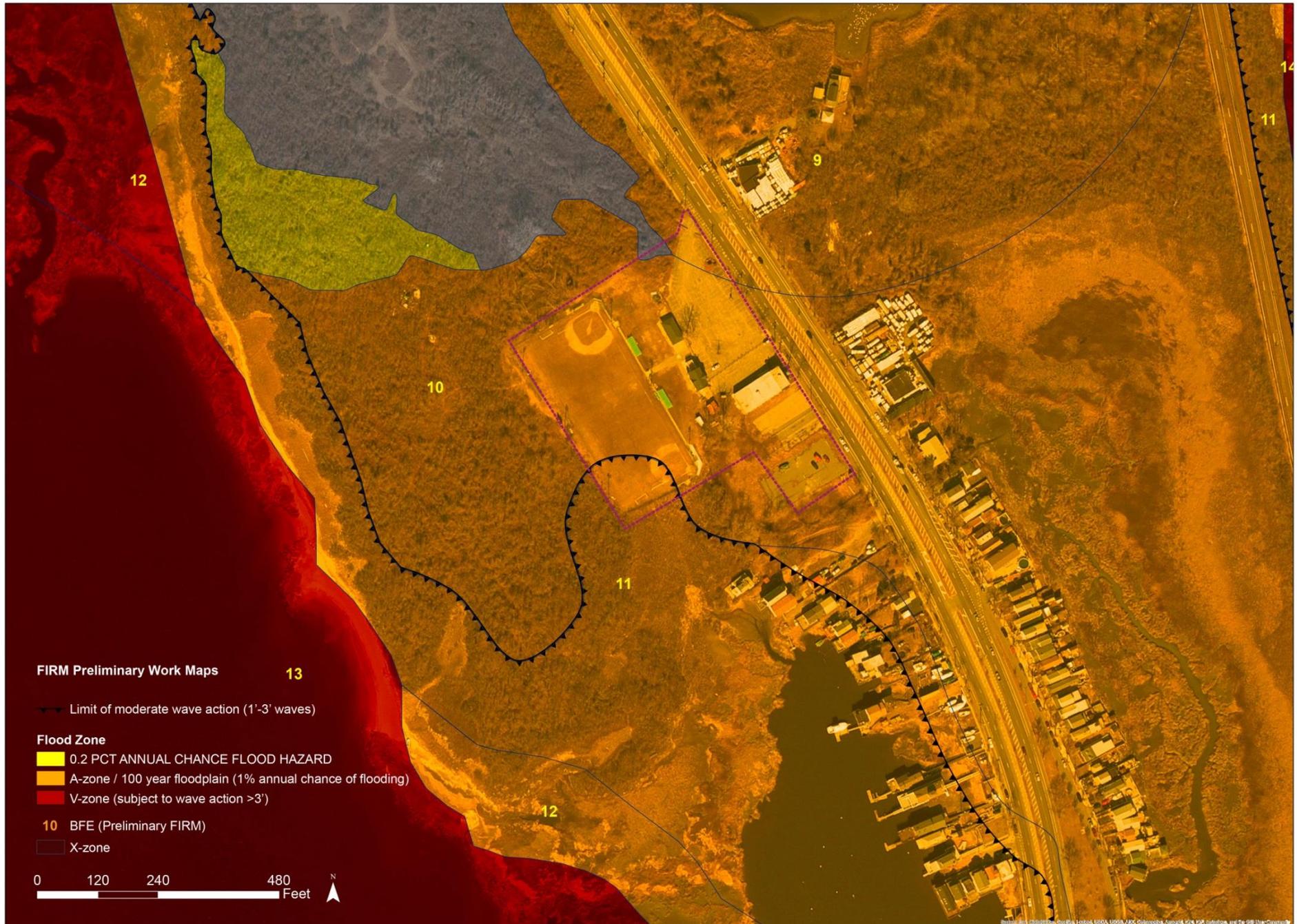
	Broad Channel Athletic Club		Broad Channel American Legion		Broad Channel Volunteer Fire Dept		Broad Channel Historical Society		Broad Channel VFW Hall	
	Gap Exists	Info Needed	Gap Exists	Info Needed	Gap Exists	Info Needed	Gap Exists	Info Needed	Gap Exists	Info Needed
Project Overview										
Background/Existing Conditions	N		N		N		N		Y	Need more detailed information
Project Description	N		Y	Need more detail information on project components (i.e. HVAC system)	Y	Need more detail information on project components (i.e. Phase 2 line items)	N		Y	Need more detailed information on project components
Rationale and Benefits	N		N		N		N		Y	Need more detailed information
Project Implementation										
Proposed Subrecipient	Y	BCAC acting alone or as part of Recovery Campus entity?	Y	BCAC acting alone or as part of Recovery Campus entity?	Y	BCAC acting alone or as part of Recovery Campus entity?	Y	Historical Society acting with BCAC?	Y	Acting alone?
Funding										
Total Project Costs (including line item costs)	Y/N	See project cost sheet	Y	Need updated project costs	Y	Need updated project costs	N		Y	Need project costs
Potential Funding Sources (Fed, State, Local, Other)	Y	Other sources of funding if applicable	Y	Other sources of funding if applicable	Y	Other sources of funding if applicable	Y	Other sources of funding if applicable	Y	Other sources of funding if applicable
CDBG-DR Funding Allocation	Y	If considering other sources, which line items/what percentage of total costs will come from CDBG	Y	If considering other sources, which line items/what percentage of total costs will come from CDBG	Y	If considering other sources, which line items/what percentage of total costs will come from CDBG	Y	If considering other sources, which line items/what percentage of total costs will come from CDBG	Y	If considering other sources, which line items/what percentage of total costs will come from CDBG
Additional Information										
Proposed Start Date	Y	Dependent on funding?	Y	Dependent on funding?	Y	Dependent on funding?	Y	Dependent on funding?	Y	Dependent on funding?
Proposed Completion Date	Y	Dependent on funding?	Y	Dependent on funding?	Y	Dependent on funding?	Y	Dependent on funding?	Y	Dependent on funding?
Proposed Subrecipient Capacity	N		Y	If acting alone, need to know existing capacity or steps that will be taken to increase capacity	Y	If acting alone, need to know existing capacity (SAFETEA-LU funding, other grants)	N	Assumption that if getting CDBG funding will be under BCAC	Y	Any capacity here?

- Based on existing information on projects and major criteria needed for state
- Biggest gaps exist regarding project costs and funding sources, and sub-recipient capacity

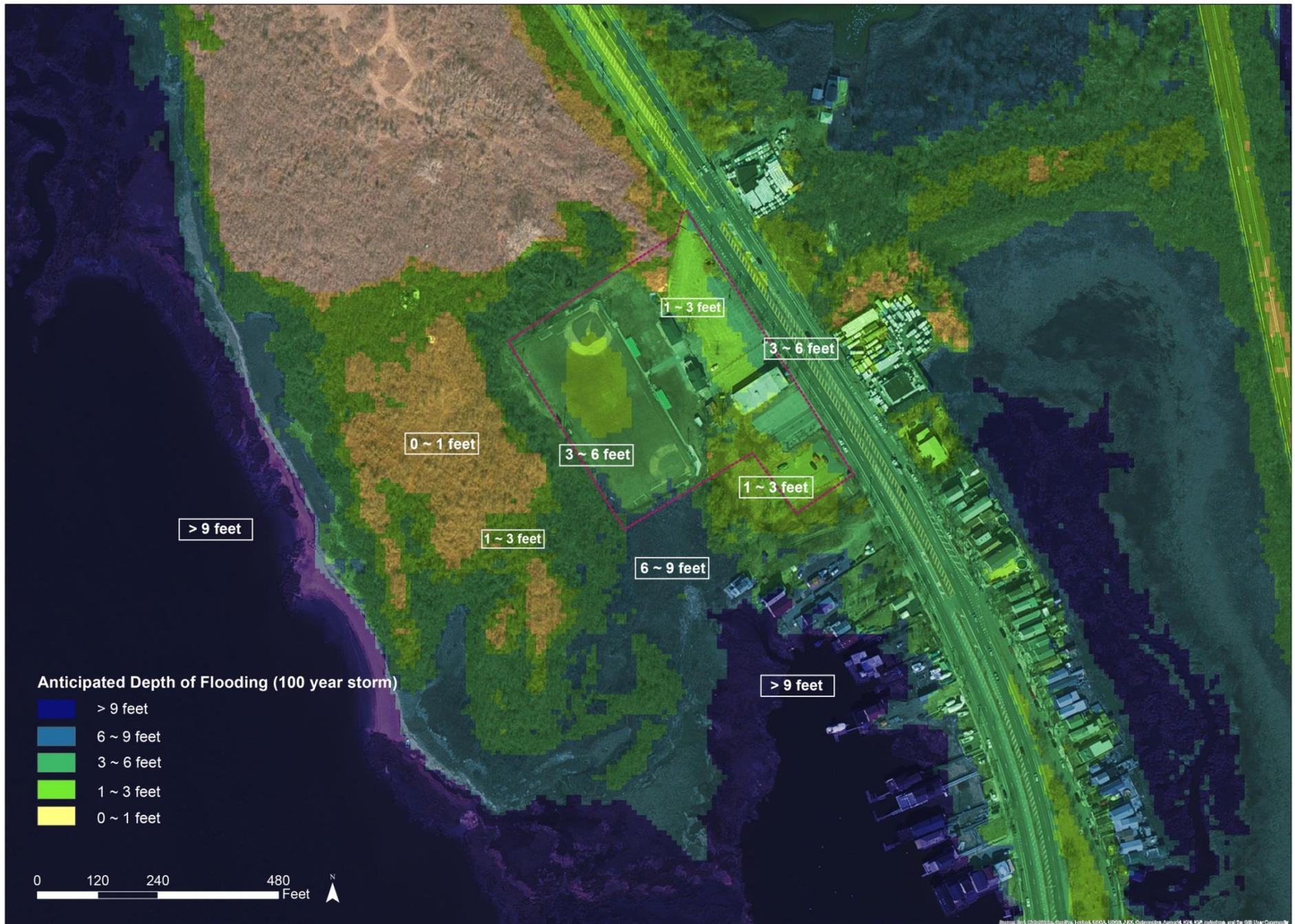
Recovery Campus Update

Hold for community facilities scope gap analysis

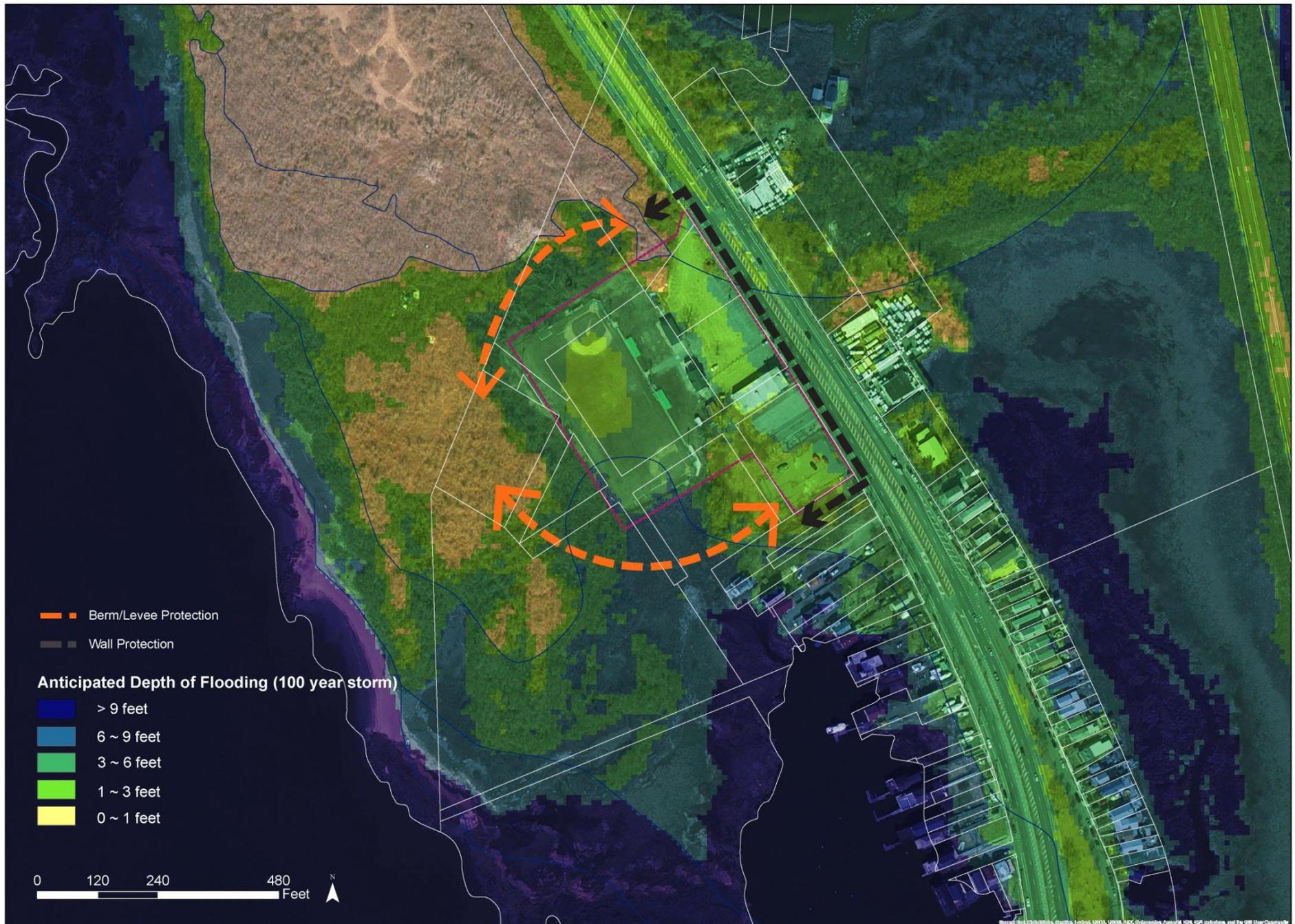
Flood Risk (FIRM Preliminary Map)



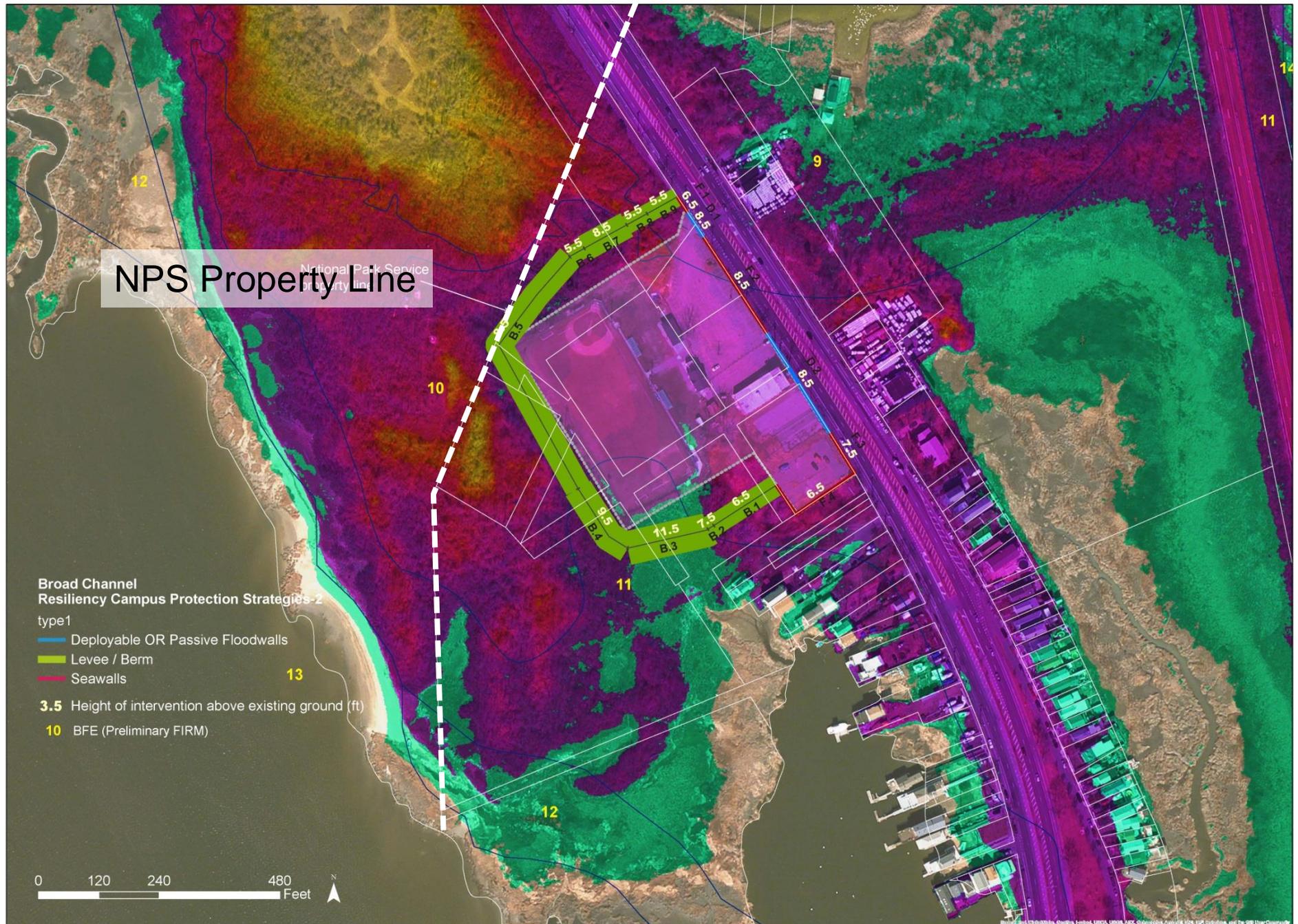
Anticipated Depth of Flood (100 year storm)



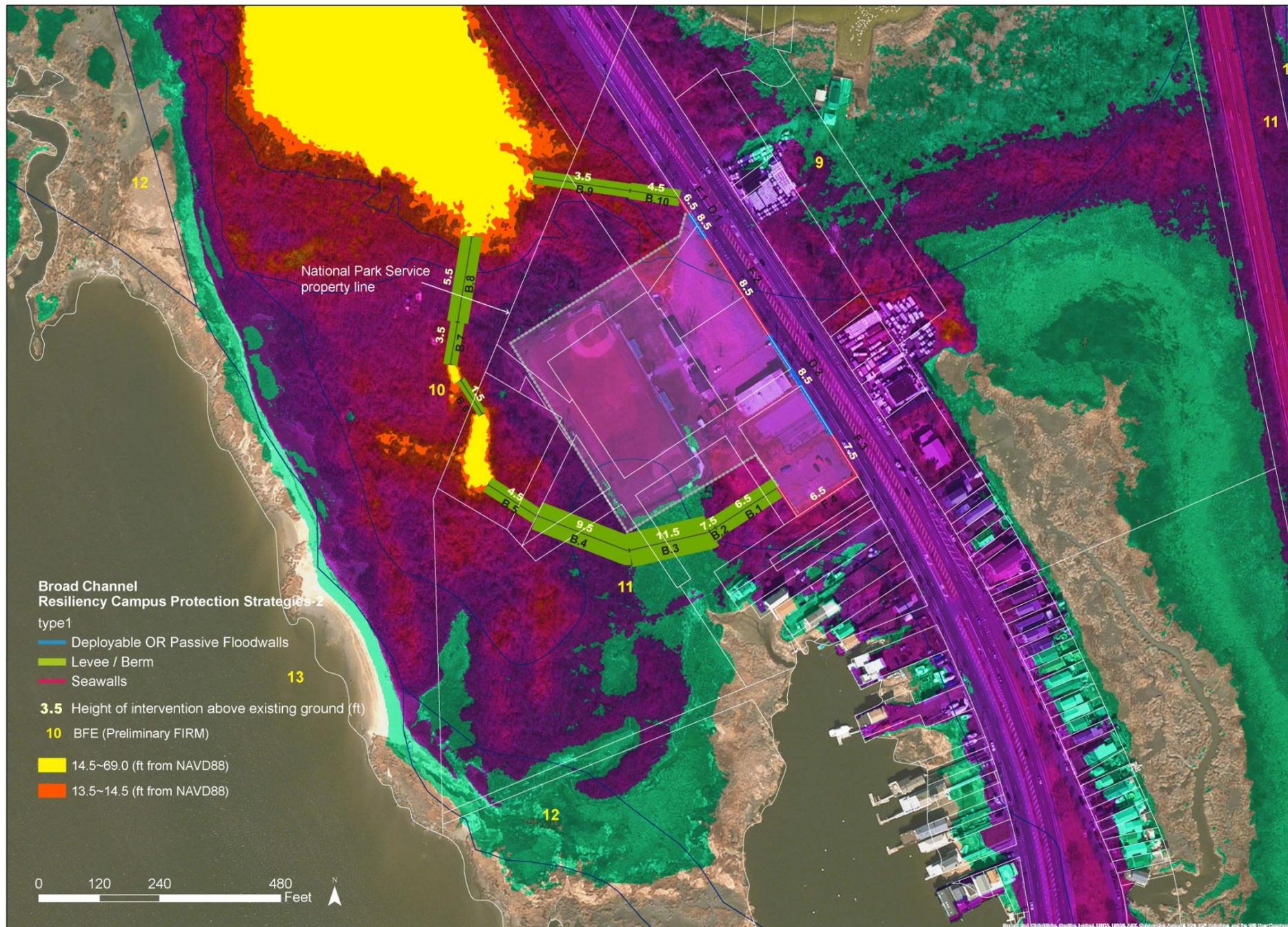
Overall Strategy of Protecting the Resiliency Campus



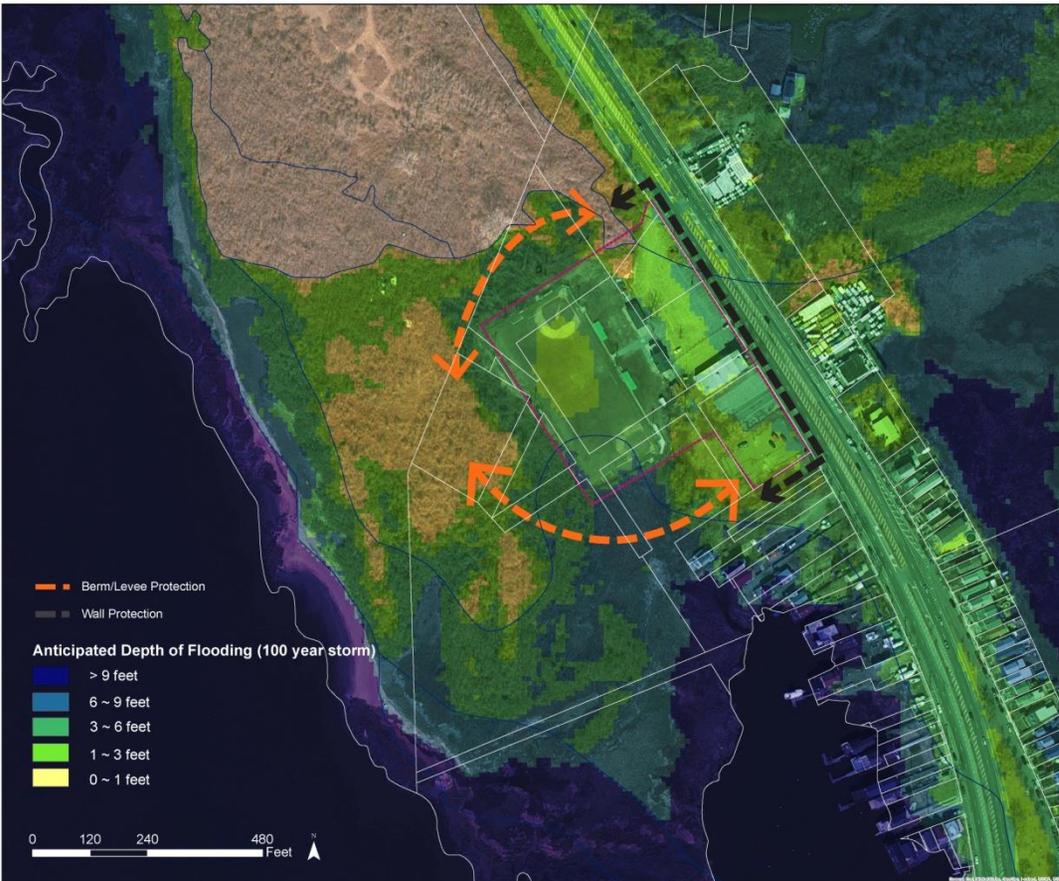
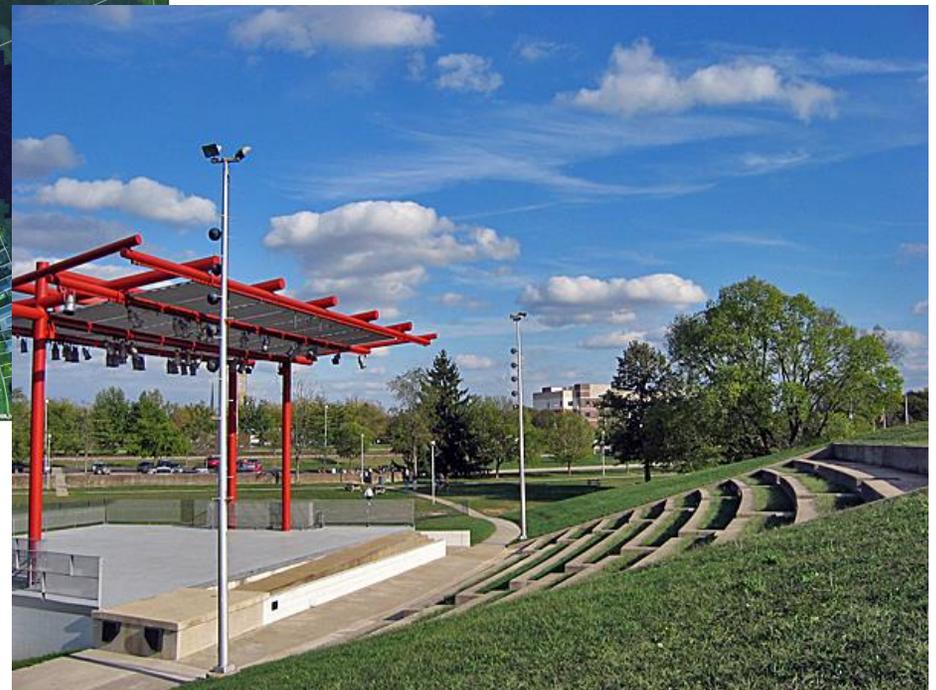
Option 1: Tight Berm



Option 2: Connect to High Ground

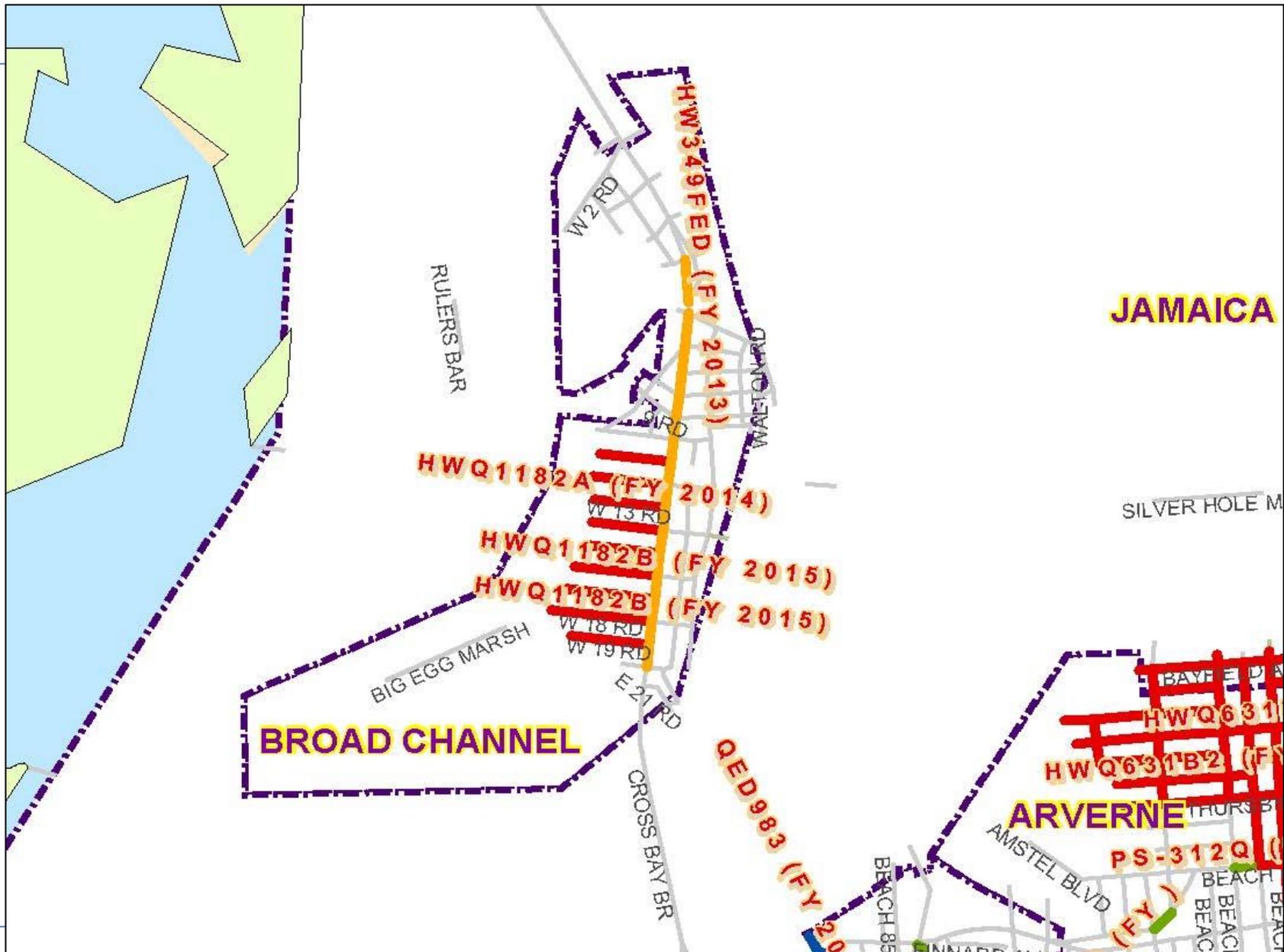


Multipurpose Flood Protection

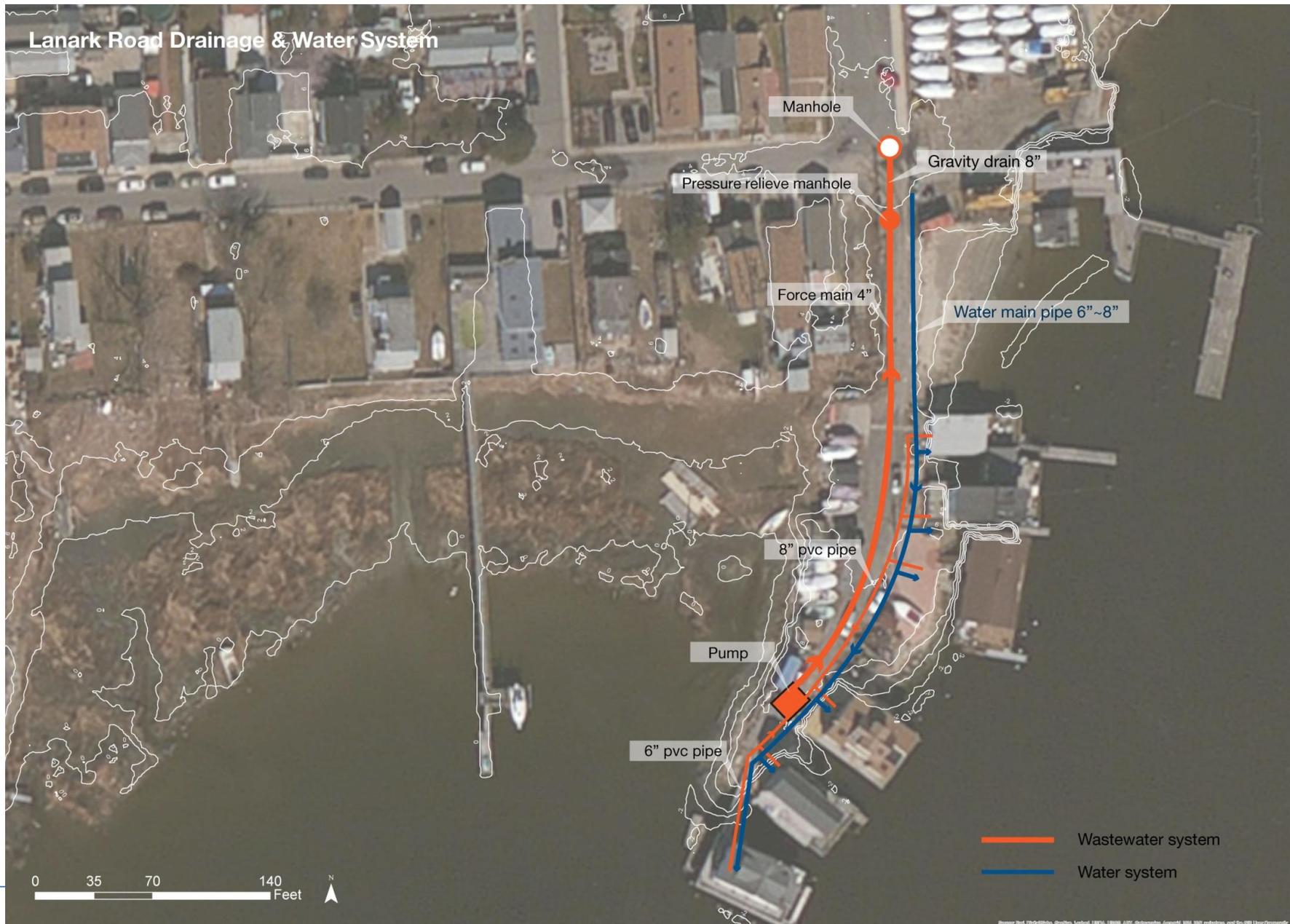


Mill Race Park, Columbus, Indiana

Update on Street Raising Project for 14 – 19th



Lanark Road – Wastewater and Water



Update on DEP meeting

- The system proposal was acceptable
- The community would own and maintain the system up to the pressure relief manhole
- Would require the necessary DEP and DEC permits
- Need to talk to NYC DOT about raising intersection

Cost Estimate – Sewer Elements – Lanark Road

Description	Unit	Quantity	Unit Cost	Extended Cost
4" PVC Pipe	LF	150	\$70	\$10,500
8" PVC Pipe	LF	374	\$115	\$43,056
Manholes	EA	7	\$6,400	\$44,800
Earthwork	CY	1399	\$30	\$41,956
Pump- Controls Included	EA	1	\$50,000	\$50,000
Vault	EA	1	\$160,000	\$160,000
6" DIP Water Main	LF	150	\$100	\$15,000
8" DIP Water Main	LF	374	\$160	\$59,904
Timber Sheeting	SF	12586	\$70	\$880,992
Dewatering	Days	21	\$3,000	\$63,000
Fire Hydrants	EA	2	\$10,000	\$20,000

Conceptual estimate of probable cost - not for reliance - confidential/work-in-progress

Subtotal=	\$1,389,208
Contingency (50%)	\$694,604
Total=	\$2,083,811

East 12th Road Boardwalk



Update on DEP meeting

- The system proposal is unique to NYC - context, needs DEP “smell” test
- The community would need to own and maintain the system up to the pressure relief manhole
- Would require the necessary DEP and DEC permits
- Need to talk to NYC DOT about franchise agreement
- NYC DEP would only install infrastructure in a mapped/ built street

Cost Estimate – Sewer Elements – East 12th Road

East 12th Rd Boardwalk Cost Estimate

Description	Unit	Quantity	Unit Cost	Extended Cost
Vac System	EA	1	\$50,000	\$50,000
Vault in Street	EA	1	\$80,000	\$80,000
4" HDPE Pipe	LF	437	\$70	\$30,590
6" HDPE Pipe	LF	785	\$95	\$74,594
4" DIP Water Main	LF	1222	\$100	\$122,220
Manholes	EA	12	\$6,400	\$76,800
Valves	EA	1	\$10,000	\$10,000

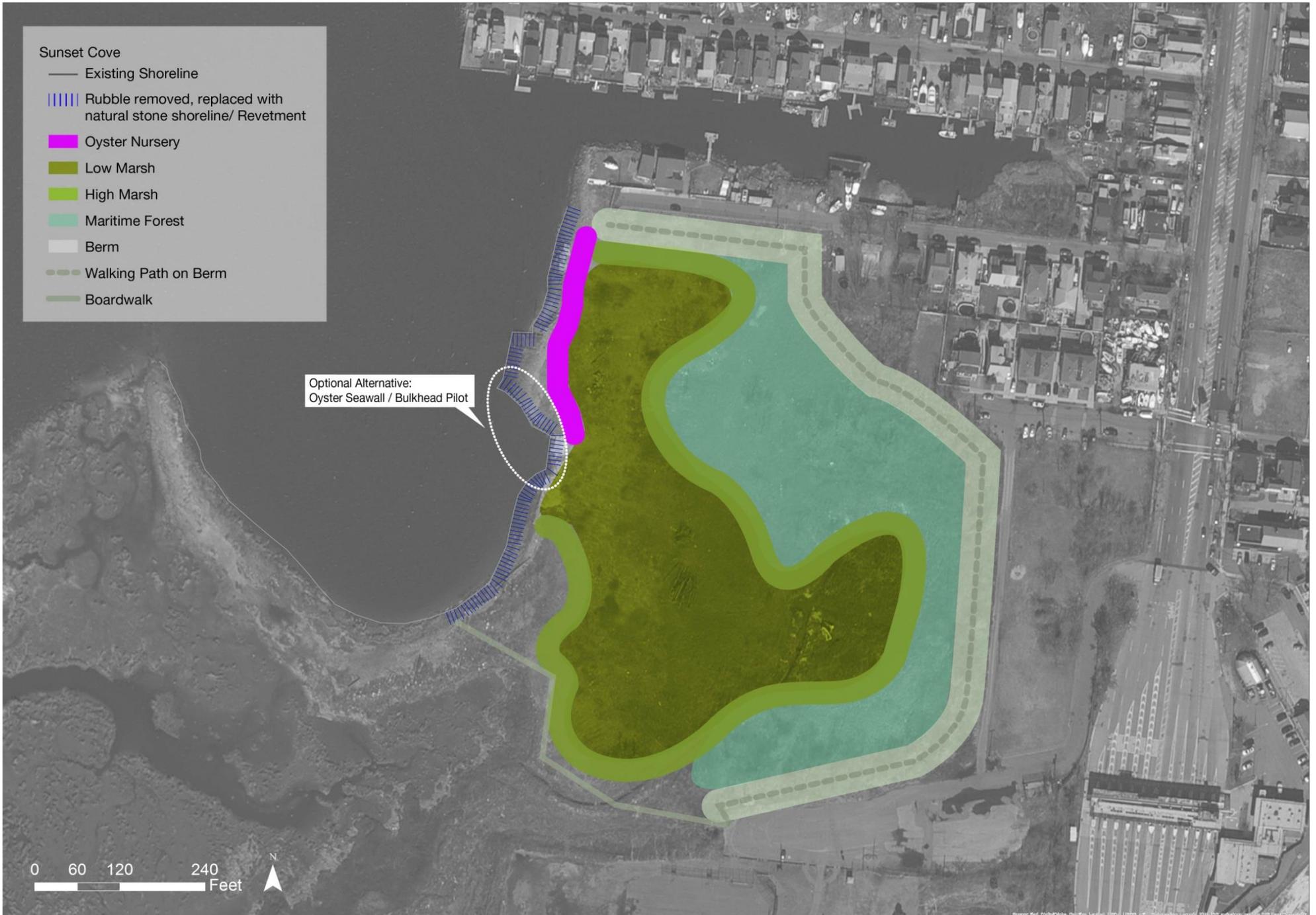
Conceptual estimate of probable cost - not for reliance - confidential/work-in-progress

Subtotal= \$444,204

Contingency (50%) \$222,102

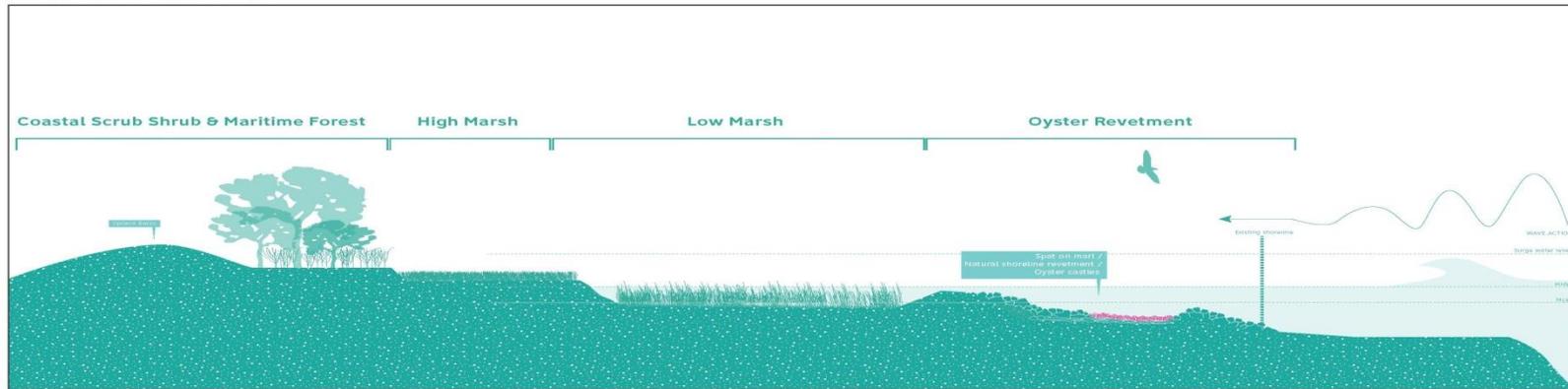
Total=	\$666,306
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Sunset Cove

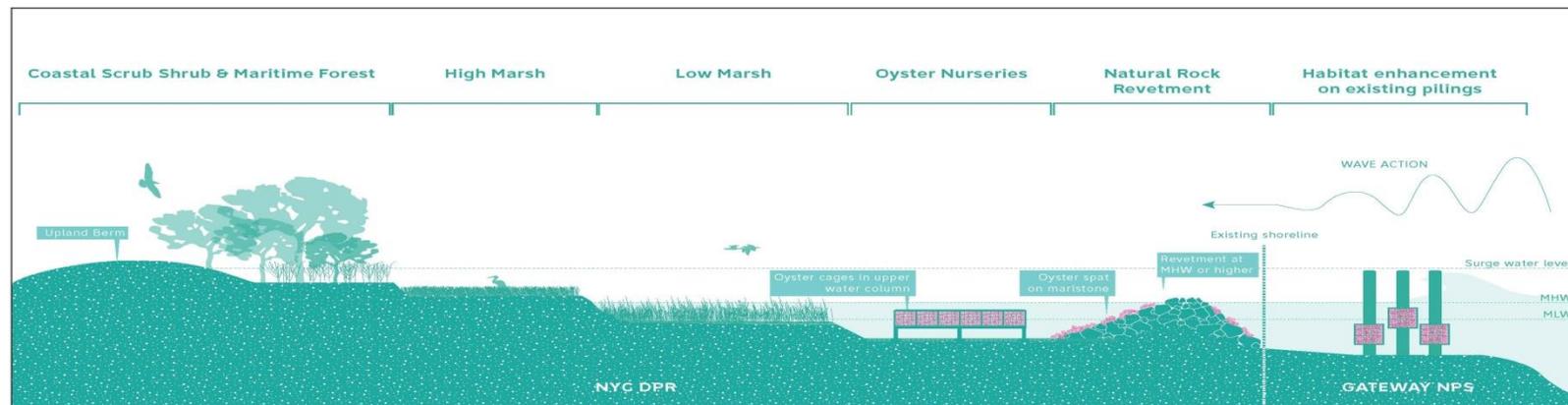


Sunset Cove

Revetment/absorptive edge



Revetment & Oyster Nurseries



Public Meeting Discussion

- **Public Outreach approach**
- **Next steps**



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