



Department of
Environmental
Conservation

Spring Creek South HMGP Project

Preliminary Concept Plans

Last Updated December 3, 2015

Project Area: National Park Service Gateway National Recreation Area Jamaica Bay Unit – Spring Creek



Phase 1 Preliminary Concept Plans— The “Big Ideas”

- ✓ Starting point for further evaluation
- ✓ Concepts vary combination of Nature Based Features and measures that manage coastal storm risks, provide ecosystem benefits and enhance resiliency
- ✓ Concepts vary in level of excavation activities and movement of soil
- ✓ Community Feedback/Comments
- ✓ Concepts will be refined and further evaluated to demonstrate level of protection, costs, benefits, sustainability and maintenance
- ✓ Complement other projects/actions

At a Glance: Fact Sheet

	Heavy Touch	Medium Touch	Light Touch
Berm Elevation (NAVD88)	17 feet	15 feet	15 feet
Maritime Forest	36 acres	47 acres	69 acres
Maritime Shrub	72 acres	104 acres	64 acres
Maritime Grassland	51 acres	35 acres	64 acres
Freshwater Wetland Forest	1 acre	6 acres	7 acres
Tidal Wetland High Marsh	45 acres	21 acres	15 acres
Tidal Wetland Low Marsh	22 acres	14 acres	8 acres

Plans Developed by Parsons Brinckerhoff
Last Updated: 12/3/15



Department of
Environmental
Conservation

Spring Creek: Existing Plant Communities



Plans Developed by Parsons Brinckerhoff
Last Updated: 12/3/15



Department of
Environmental
Conservation

Concept 1: Heavy Touch

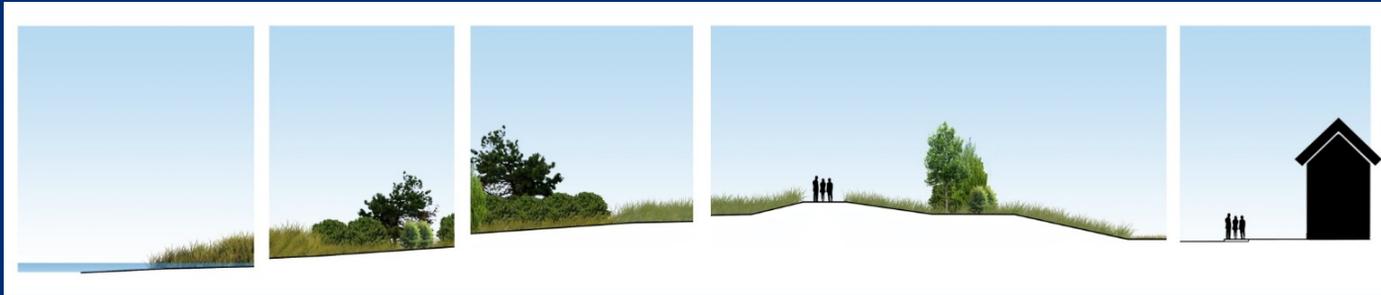


Plans Developed by Parsons Brinckerhoff
Last Updated: 12/3/15



Department of
Environmental
Conservation

Concept 1: Heavy Touch



Plans Developed by Parsons Brinckerhoff
Last Updated: 12/3/15



Department of
Environmental
Conservation

Concept 2: Medium Touch



Plans Developed by Parsons Brinckerhoff
Last Updated: 12/3/15



Department of
Environmental
Conservation

Concept 2: Medium Touch



Plans Developed by Parsons Brinckerhoff
Last Updated: 12/3/15



Department of
Environmental
Conservation

Concept 3: Light Touch



Plans Developed by Parsons Brinckerhoff
Last Updated: 12/3/15

Concept 3: Light Touch



Plans Developed by Parsons Brinckerhoff
Last Updated: 12/3/15



Department of
Environmental
Conservation

Next Steps

- ✓ Community and Agency Comments/Feedback
- ✓ Refinement of Concepts
- ✓ More detailed evaluation of 3 Concepts
- ✓ Concept Design Memorandum outlining evaluation of concept plans:
 - Coastal Storm Modeling/Level of Protection
 - Costs/Benefits
 - Pros/Cons/Constructability
 - Sea Level Rise Analysis
- ✓ Select single Concept to evaluate in greater detail

Thank You

Lisa Baron

Project Manager, USACE

Lisa.a.baron@usace.army.mil

917-790-8306

Joanna Field

Project POC, DEC Region 2

joanna.field@dec.ny.gov

718-482-4057

Connect with us:

Facebook:

www.facebook.com/NYSDEC

Twitter: twitter.com/NYSDEC

Flickr: www.flickr.com/photos/nysdec

DEC project webpage coming soon!

