

SPRING CREEK SOUTH; HOWARD BEACH
QUEENS, NEW YORK
CONCEPT PLANS/ALTERNATIVES FACT SHEET

EXISTING CONDITIONS:

- Habitat Types:
 - Upland Forest 19 ac.
 - Maritime Grassland & Shrub land 8 ac.
 - Freshwater Wetland 1 ac.
 - Tidal Wetland High Marsh 14 ac.
 - Tidal Wetland Low Marsh 7 ac.
 - Urban Meadow (Invasives) 188 ac.
- Paths: Primary Path 2.9 mi., Secondary Path 2.1 mi.
- Drainage feature along the northwestern edge of the site
- Destabilized, eroding shoreline along the Point

GENERAL INFORMATION ABOUT ALL CONCEPTS:

- Berm 50-foot Right of Way includes 10-foot wide path at the crest with 4H:1V side slopes to meet grade
- Berm connections:
 - At the southeastern limit to the proposed tide gate at Shellbank Basin and Cross Bay Avenue berm
 - At the northeastern limit, the berm ties into an elevated section of the Belt Parkway
- Moments of Interest include playgrounds, benches, scenic overlooks
- Living shoreline features (i.e. oyster/mussel breakwater) at the Point and along the Creek
- Cut-Fill is balanced onsite (no import or export of fill material is anticipated)

CONCEPT 1: HEAVY TOUCH

OVERALL SUMMARY

- Habitat Types:
 - Maritime Forest 36 ac.
 - Maritime Shrub 72 ac.
 - Maritime Grassland 51 ac.
 - Freshwater Wetland Forest 1 ac.
 - Tidal Wetland High Marsh 45 ac.
 - Tidal Wetland Low Marsh 22 ac.
- Needed structures:
 - Tide gate at existing drainage feature near the Belt

- Paths: Primary length 1.6 mi., Secondary length 3.7 mi.
- Approximate Earthwork volume: 525,000 cubic yards
- Raises existing land elevation landward of the path/berm

CONCEPT 2: MEDIUM TOUCH

OVERALL SUMMARY

- Path/Berm elevation: 15 feet¹ (NAVD88)
- Habitat Types:
 - Maritime Forest 47 ac.
 - Maritime Shrub 104 ac.
 - Maritime Grassland 35 ac.
 - Freshwater Wetland Forest 6 ac.
 - Tidal Wetland High Marsh 21 ac.
 - Tidal Wetland Low Marsh 14 ac.
- Needed structures:
 - Tide gate along the existing drainage feature adjacent to the Belt Parkway
 - Tide gate connection to the Creek
 - Boardwalk structure to cross the Creek
- Paths: Primary Path 1.7 mi., Secondary Path 3.6 mi.
- Approximate Earthwork volume: 215,000 cubic yards

CONCEPT 3: LIGHT TOUCH

OVERALL SUMMARY

- Path/Berm elevation: 15 feet (NAVD88)
- Habitat Types:
 - Maritime Forest 69 ac.
 - Maritime Shrub 64 ac.
 - Maritime Grassland 64 ac.
 - Freshwater Wetland Forest 7 ac.
 - Tidal Wetland High Marsh 15 ac.
 - Tidal Wetland Low Marsh 8 ac.
- Paths: Primary Path 1.7 mi., Secondary Path 3.5 mi.
- Needed structures:
 - Tide gate along the existing drainage feature adjacent to the Belt Parkway
 - Tide gate connection to the Creek
- Approximate Earthwork volume: 30,000 cubic yards

¹ One foot above the 100-year BFE as defined by FEMA.