POMPTON LAKES STUDY AREA
DREDGING PROJECT
PUBLIC INFORMATION SESSION

APRIL 24, 2018
Project Overview

Summary of Work Completed Season 1 - 2016

Summary of Work Completed Season 2 - 2017

Summary of Work Scheduled Season 3 - 2018

Restoration Information
PROJECT OVERVIEW

➢ Pompton Lake Study Area (Dredging/Off-site Disposal of Sediments)
  • Acid Brook Delta (ABD) Sediments - Approx. 36 Acres
  • Pompton Lake - Lakeside Ave. Bridge to Pompton Lake Dam
    ✓ Area A - Approx. 0.5 Acres
    ✓ Island Area - Approx. 2.5 Acres
  • ABD Upland Soil Areas (Excavation/Off-site Disposal)
    ✓ Removal From 16 Delineated Areas With Depths Ranging from 0.5 to 9 ft. Below Ground Surface
  • Ecological-layer Placement in ABD/Island Area/Area A
    ✓ 6” Layer to Facilitate Biological Growth
  • Restoration/Long-term Monitoring
COMMUNITY ENGAGEMENT ACTIVITIES

➢ Presence On-site to Respond to Questions/Concerns

➢ On-going EPA Availability at Municipal Building on Thursdays to Answer Questions Regarding Pompton Lake Study Area Clean-up

➢ Access to Website to Observe Monitoring Data

➢ Weekly Community Updates Sent by EPA Via Email Summarizing Work Activities
SUMMARY OF WORK SEASON 1 - 2016

➢ Soil Excavation at 16 Locations in Uplands Areas

➢ Mechanical Dredging of the Island Area and Area A

➢ Approx. 28,810 Cubic Yards (CY) Impacted Soil/Sediment Excavated/Dredged, Processed and Disposed Off-site

➢ Off-site Disposal: Transport of 1,955 Loads of Impacted Material

➢ Over 30,000 Safe Man-hours Worked With No Injuries/Incidents

➢ No Exceedances of Action Levels Related to Turbidity in Lake, Perimeter Dust and Mercury Air Vapor Monitoring

➢ 33 Community Updates Sent by EPA During/Post Season 1 Dredging
SUMMARY OF WORK SEASON 2 - 2017

- Mechanical and Hydraulic Dredging of Approximately 36 Acres in ABD and Ecological Layer Placement in Area A

- Approximately 122,256 Cubic Yards (CY) Impacted Sediment Dredged, Processed and Disposed Off-site

- Off-site Disposal: Transport of 2,815 Loads of Impacted Material

- Over 79,825 Safe Man-hours Worked With No Injuries/Incidents

- No Exceedances of Action Levels Related to Turbidity in Lake, Perimeter Dust and Mercury Air Vapor Monitoring

- 44 Community Updates Sent by EPA During/Post Season 2 Dredging
SEASON 3 (2018) PLANNED ACTIVITIES

➢ Complete Ecological Layer Placement in the ABD and Island Area

➢ Site Restoration of Uplands/ABD/Island Area

➢ Perform Turbidity and Air Perimeter Monitoring in Accordance With EPA-Approved Work Plan

➢ Field Oversight by EPA/U.S. Army Corps of Engineers

➢ Weekly Community Updates and Public Information Session
SEASON 3 (2018) TENTATIVE SCHEDULE

➢ Mobilization: March 2018

➢ Ecological Layer Placement: March 2018 to August 2018

➢ Uplands Site Restoration: August 2018

➢ Rotary Park Restoration: August 2018

➢ Demobilization: August 2018
SEASON 3 (2018) RESTORATION WORK

➢ THE FOLLOWING PHOTOS OF REPRESENTATIVE VEGETATION ARE INTENDED TO SHOW THE SPECIES PROPOSED AND ARE NOT REFLECTIVE OF THE ACTUAL SIZE TO BE PLANTED.

➢ REFER TO THE POSTERBOARD OR FIGURES 2-12 AND 2-13 OF THE CORRECTIVE MEASURES IMPLEMENTATION WORK PLAN FOR ADDITIONAL DETAILS REGARDING THE PLANTINGS.
RESTORATION - PLANTING ZONE 1
UPLANDS/ABD/ISLAND AREA
SUBMERGED AQUATIC VEGETATION
REPRESENTATIVE PLANTINGS

➢ Spatterdock

➢ White Water Lily
SUBMERGED AQUATIC VEGETATION - SPATTERDOCK
SUBMERGED AQUATIC VEGETATION - WHITE WATER LILY
RESTORATION - PLANTING ZONE 2
UPLANDS/ABD/ISLAND AREA
PALUSTRINE EMERGENT WETLANDS
(Non-tidal Wetlands With Trees/Shrubs, etc.)
REPRESENTATIVE PLANTINGS

➢ Blue Flag Iris

➢ Arrow Arum

➢ Pickerelweed
PALUSTRINE EMERGENT WETLANDS - BLUE FLAG IRIS
PALUSTRINE EMERGENT WETLANDS - ARROW ARUM
PALUSTRINE EMERGENT WETLANDS - PICKERELWEED
RESTORATION - PLANTING ZONE 2
UPLANDS/ABD/ISLAND AREA
WETLANDS/SHORELINE STABILIZATION
REPRESENTATIVE PLANTINGS

➢ Pussy Willow

➢ Black Willow
WETLANDS/SHORELINE STABILIZATION - PUSSY WILLOW

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WETLANDS/SHORELINE STABILIZATION - BLACK WILLOW
RESTORATION - PLANTING ZONE 3
PALUSTRINE SCRUB/SHRUB WETLANDS
REPRESENTATIVE PLANTINGS

➢ Sweet Pepperbush

➢ Silky Dogwood

➢ Arrowwood
SCRUB/SHRUB WETLANDS - SWEET PEPPERBUSH
SCRUB/SHRUB WETLANDS - SILKY DOGWOOD
SCRUB/SHRUB WETLANDS - ARROW WOOD
RESTORATION - PLANTING ZONE 4
PALUSTRINE FORESTED WETLANDS
REPRESENTATIVE PLANTINGS

➢ Winterberry

➢ Silver Maple

➢ Pin Oak
FORESTED WETLANDS - WINTERBERRY
FORESTED WETLANDS - SILVER MAPLE
FORESTED WETLANDS - PIN OAK
RESTORATION - PLANTING ZONE 5
FORESTED UPLAND
REPRESENTATIVE PLANTINGS

➢ Black Chokeberry
➢ Gray Dogwood
➢ Sugar Maple
➢ Black Walnut
FORESTED UPLAND - BLACK CHOKEBERRY
FORESTED UPLAND - GRAY DOGWOOD
FORESTED UPLAND - SUGAR MAPLE
FORESTED UPLAND - BLACK WALNUT
RESTORATION - PLANTING ZONE 7
PLANTING BED
REPRESENTATIVE PLANTINGS

➢ Knockout Rose (Shrub)

➢ Cambridge Scarlet Beebalm (Perennial)

➢ Eastern Star Wood Sedge (Grass)
PLANTING BED - KNOCKOUT ROSE
PLANTING BED - CAMBRIDGE SCARLET BEEBALM
PLANTING BED - EASTERN STAR WOOD SEDGE GRASS
RESTORATION - ACID BROOK SHORELINE REPRESENTATIVE PLANTINGS

➢ Streamco Willow

➢ Sandbar Willow

➢ Pussy Willow/Black Willow (previously pictured)
ACID BROOK SHORELINE - STREAMCO WILLOW
ACID BROOK SHORELINE - SANDBAR WILLOW
RESTORATION - ROTARY PARK
STREET TREE PLANTING ALONG LAKESIDE AVE.
REPRESENTATIVE PLANTINGS

- Skyline Honey Locust
- Fairmount Ginkgo
- Heritage River Birch
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ROTARY PARK TREES ALONG LAKESIDE AVE. - SKYLINE HONEYCUT LOCUST
ROTARY PARK TREES ALONG LAKESIDE AVE. - FAIRMOUNT GINGKO
ROTARY PARK TREES ALONG LAKESIDE AVE. - HERITAGE RIVER BIRCH