



POMPTON LAKES STUDY AREA DREDGING PROJECT PUBLIC INFORMATION SESSION

APRIL 24, 2018





POMPTON LAKES STUDY AREA DREDGING/RESTORATION

- 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

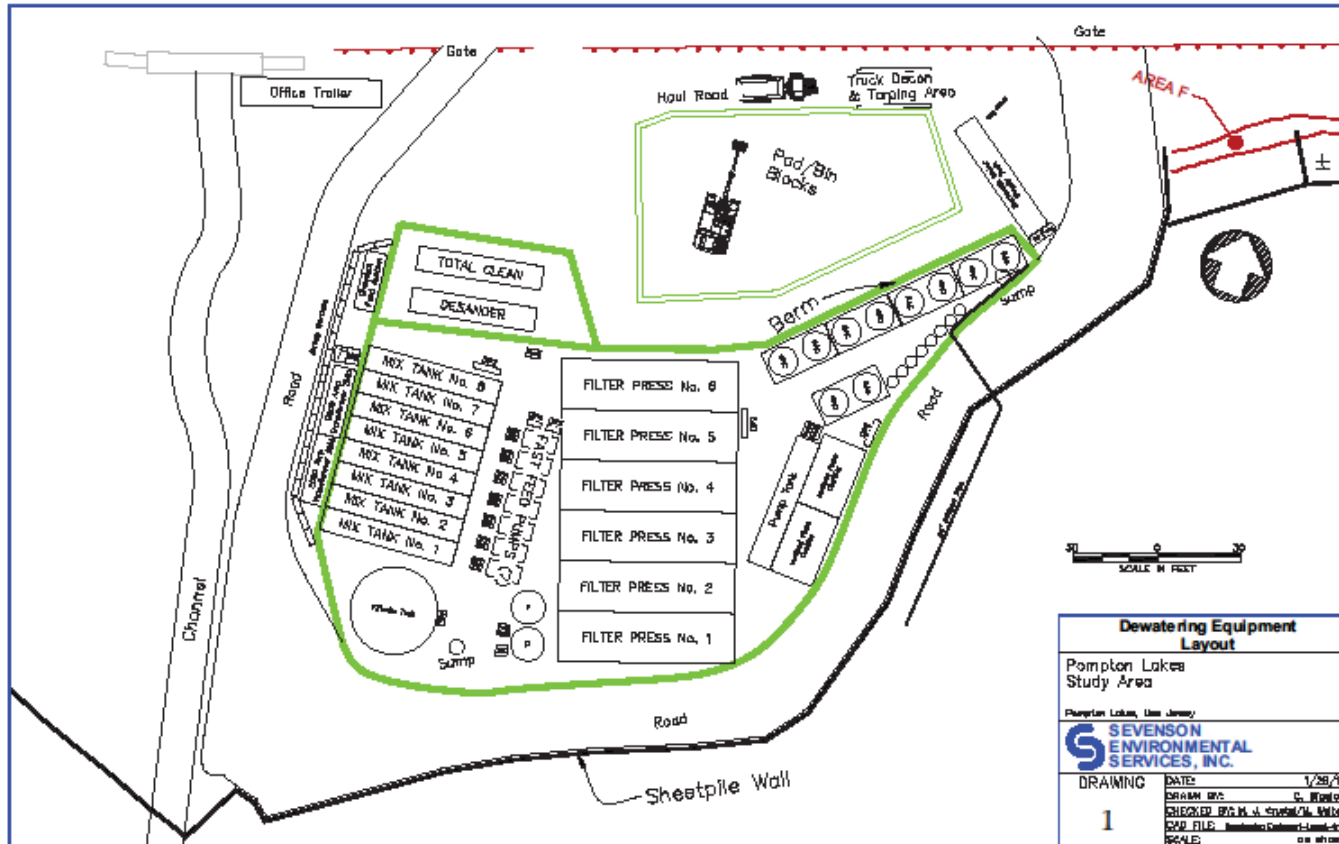


SUMMARY OF WORK SEASON 2 - 2017

- 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



Site Layout 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





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

