FORMER ZEPHYR OIL REFINERY
GREAT LAKES LEGACY ACT
WETLAND SEDIMENT CLEANUP AND HABITAT RESTORATION
MUSKEGON, MICHIGAN

Funded by the U.S. Environmental Protection Agency Great Lakes National Program Office and the Michigan Department of Environmental Quality
www.epa.gov/muskegon-lake-aoc
www.greatlakesmud.org

Contractor:
Severson Environmental Services, Inc.

Engineer:
EA Engineering, Science, and Technology, Inc.

Subcontractors:
Foth
Contractor Project Team

• Infrastructure
  – Haul Roads
  – Process Pads
  – Cofferdam

• Dewatering / Water Treatment
• Shoring
• Excavation
• Stabilization
• Transport & Disposal
• Backfill

• Work Plans
• Permitting
• Air Monitoring
• Soil / Sediment Sampling

• Restoration
• Plantings
• Maintenance
2017 Work Schedule
(July – November)

- Preconstruction Submittals
- Local Permits
- Survey
- Air Monitoring
- Haul Roads
- Process Pads
- Cofferdams
2017 Work Schedule
(July – November)

- Preconstruction Submittals
- Local Permits
- Survey
- Air Monitoring
- **Haul Roads**
- Process Pads
- Cofferdams
2017 Work Schedule
(July – November)

- Preconstruction Submittals
- Local Permits
- Survey
- Air Monitoring
- Haul Roads
- **Process Pads**
- Cofferdams
2017 Work Schedule
(July – November)

• Preconstruction Submittals
• Local Permits
• Survey
• Air Monitoring
• Haul Roads
• Process Pads
• Cofferdams
Cofferdam Install
Winter Break
2018 Work Schedule
(March – October)

- Install Temporary WWTS
- Dewater & Water Treatment
- Install Ditch Shoring
- Excavate Sediments
- Stabilize Sediment
- Load & Transport Sediment
- Backfill
- Restoration
Water Treatment
Steel Sheeting System
Sediment Excavation
Solidification / Stabilization
Load and Transport Sediment
Backfill
Restoration
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SEPTEMBER 7, 2017