A VALUE ADDED APPROACH TO DREDGED SEDIMENT DISPOSAL: TURNING A DEFUNCT MARINA INTO PRIME UPLAND REAL ESTATE



Racine, Wisconsin

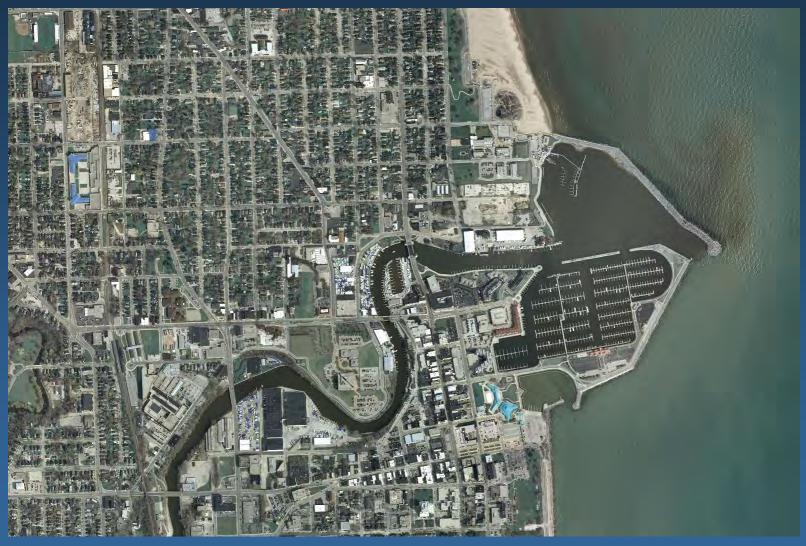


Home of the Kringle





Port of Racine, Wisconsin



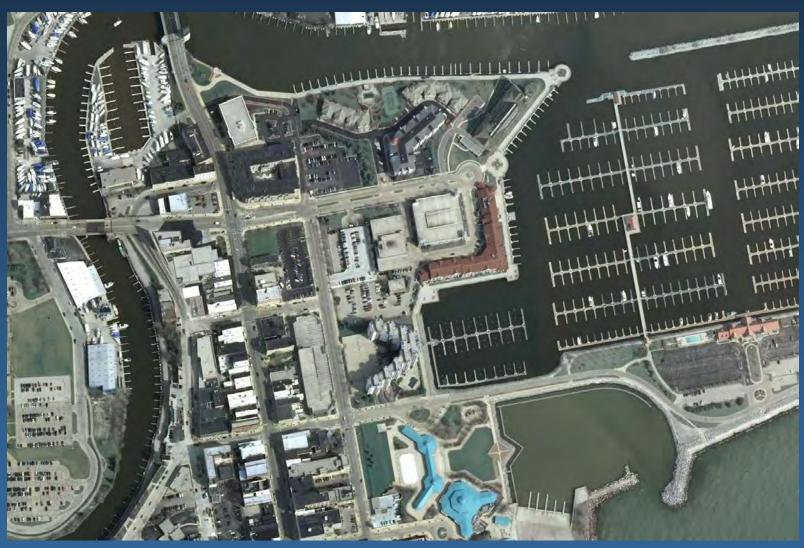


Ex. Conditions - Dredge Site



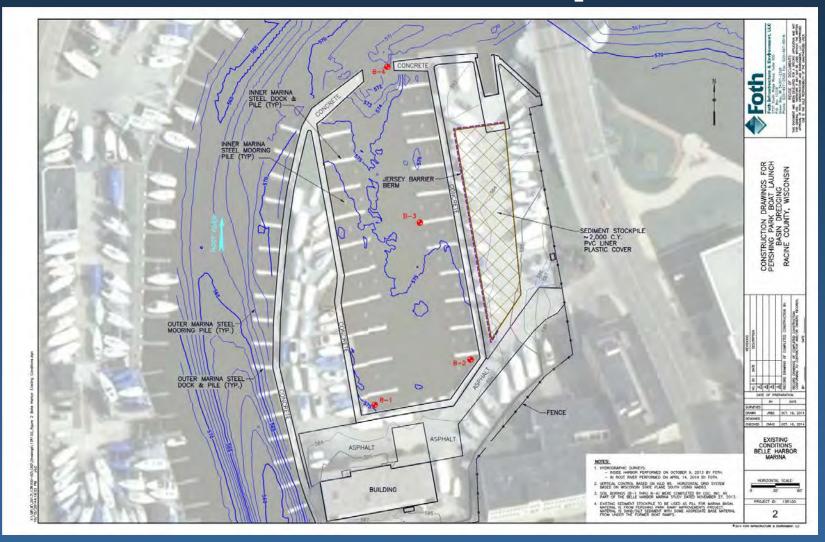


Identified Beneficial Reuse Option



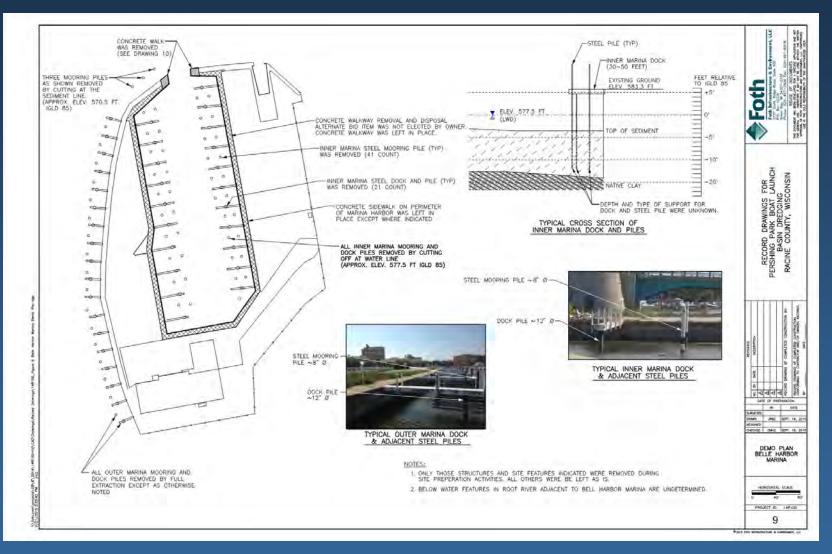


Ex. Conditions - Disposal Site



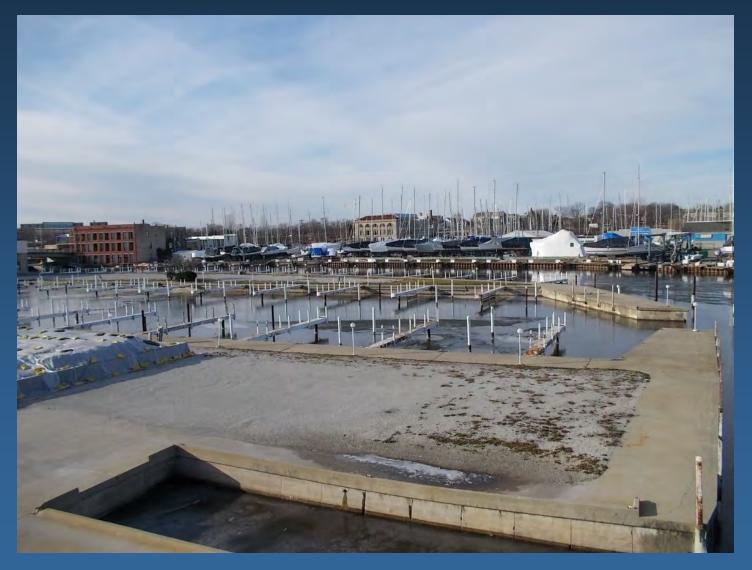


Selective Demolition





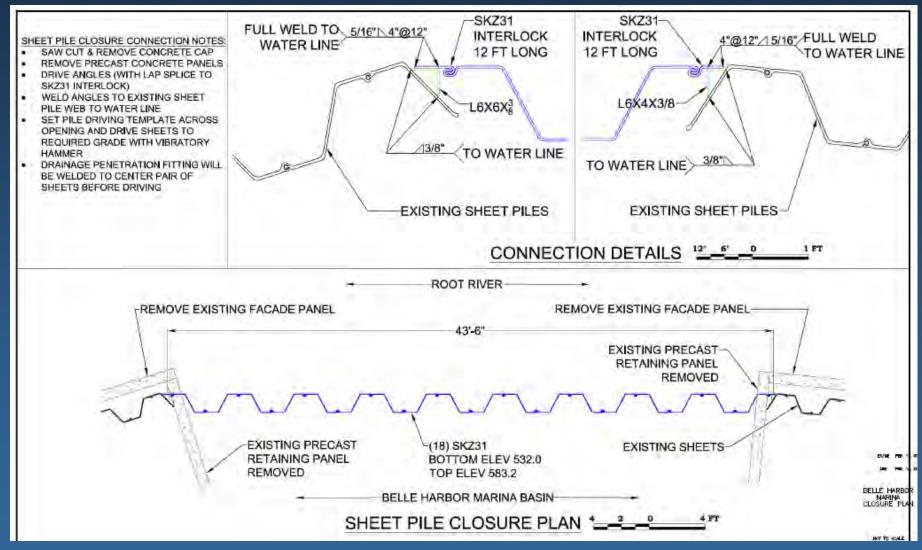
Selective Demolition







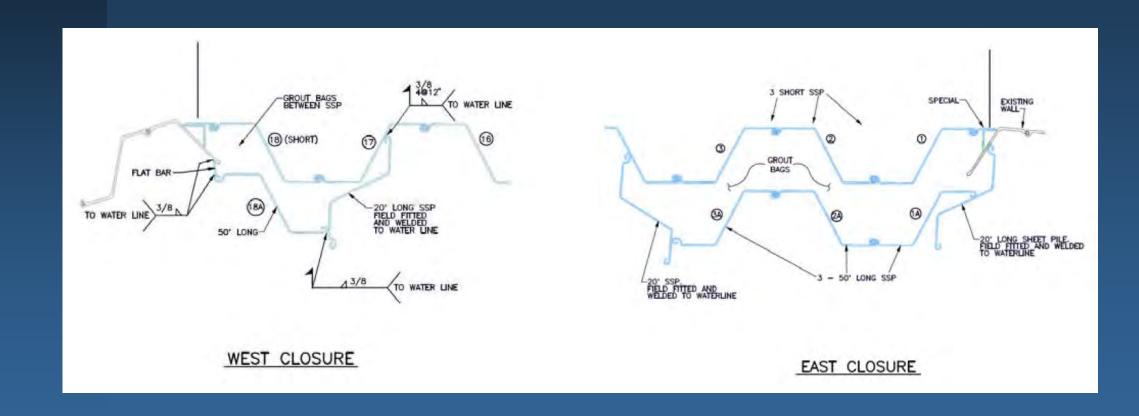










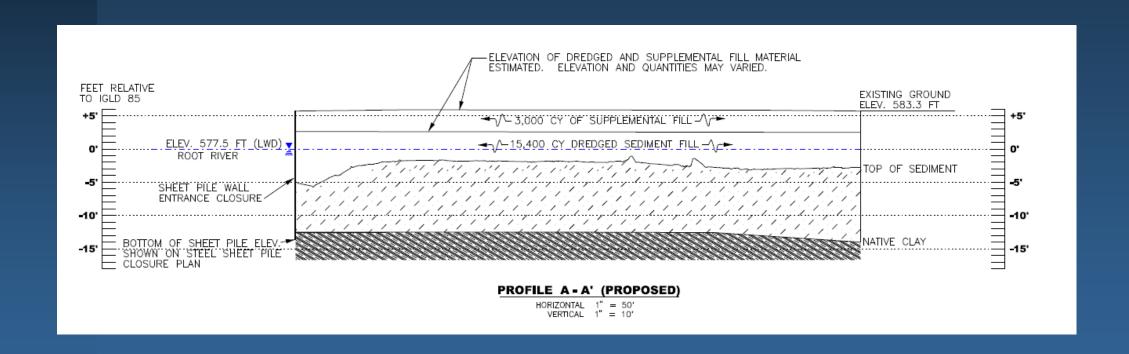








Dredged Material Placement





Dredge Material Placement





Dredged Material Placement



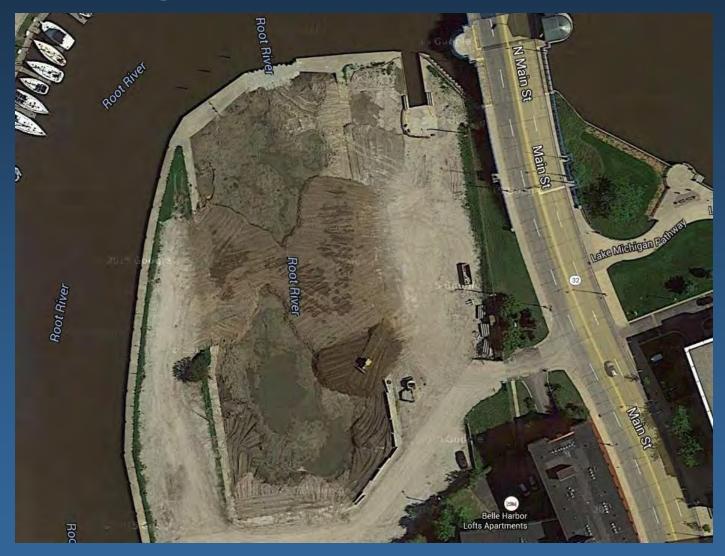


Dredged Material Placement

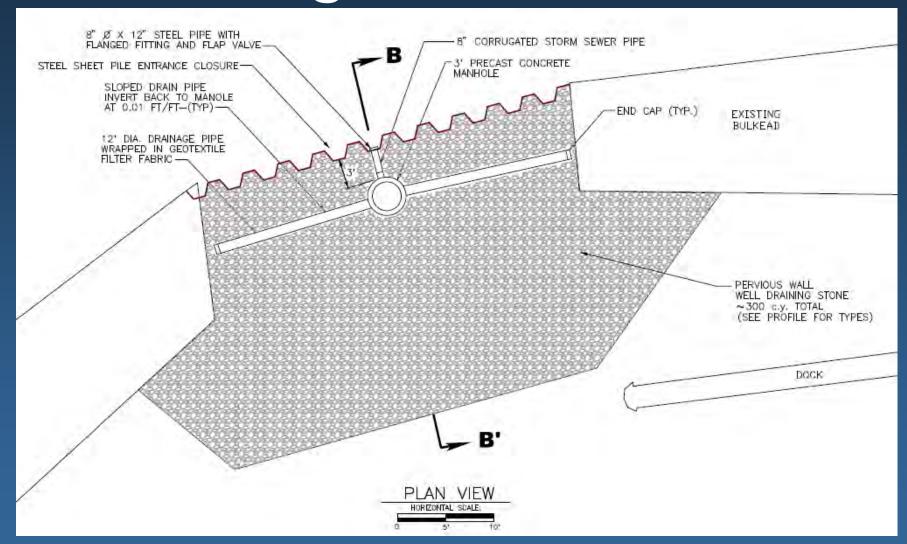




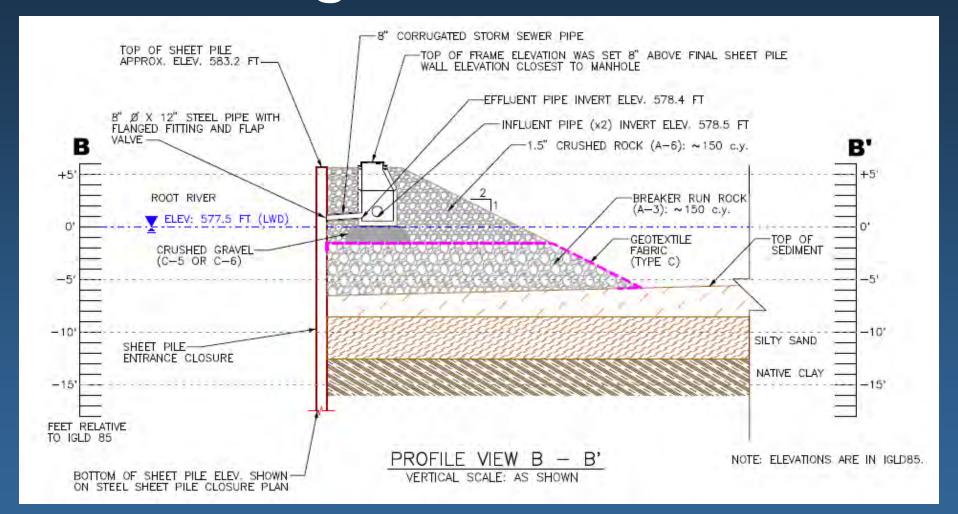
Dredge Material Placement











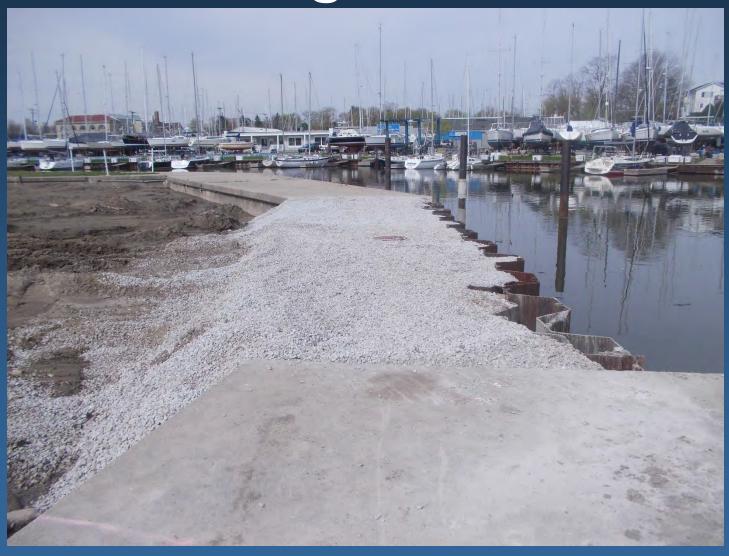


- Drainage System
 - Short Term: Drainage of sediments placed in basin and displaced water.
 - Long Term: Ensure drainage of the closed cell.
 - Permittivity or other drainage properties of the existing basin perimeter wall system not characterized.











Future Uses of Drainage System

- Manhole and outfall may be reused for site drainage.
- Development of site likely to require preand post-construction stormwater control.
 - Drainage feature could be used as part of bioretention facility or infiltration basin.



Regulatory

- Individual Section 404 Permit Required
 - Difficulty demonstrating purpose and need without specific development plans.
 - Mitigation Project Required
- Solid Waste Rules in Wisconsin Required Cap due to Low-Level Contamination Hazard
 - No Deed Restriction Applied







