

Revere Dock Wall

Detroit, Michigan



HISTORY

In the 1940s and 1950s, the site on Jefferson Street near Historic Fort Wayne in Detroit was owned and operated by the Revere Copper and Brass Company. The Revere Dock, as it became known, was purchased by Ericksons of North Muskegon, MI, a company that specializes in engineering, crane, rigging, and heavy transportation services.

PROBLEM

In winter of 2019, during a time of extremely high water levels, the old wooden and concrete dock and seawall that was on the property failed, depositing dirt and aggregate into the waters of the Detroit River.

SOLUTION

Ericksons went to work on the remediation efforts at the site, turning to Nucor Skyline

for their long history of partnering with contractors on steel sheet pile containment walls.

Nucor Skyline furnished both HP 14x73 H-piles for use as foundational support, along with NZ 19 sheet piles and 54" x 0.625" OD pipe piles with E22 connectors to build a combination-wall system along the waterfront.

The engineers at Nucor Skyline worked with Ericksons on the design of the combi-wall system.

Once the new steel sheet pile seawall is complete, the site will be used for loading and unloading heavy equipment from ships and barges, along with aggregate materials.

PROJECT PARTNERS

Owner

Ericksons – North Muskegon, MI

Engineer

G2 Consulting Group – Troy, MI

Driving Contractor

Great Lakes Dock and Materials, LLC – Muskegon, MI

PRODUCTS

H-Piles: HP 14x73 H-piles (782 tons)
Sheet Piles: NZ 19 sheet piles (315 tons)
Pipe Piles: 54" x 0.625" OD pipe piles (1,660 tons)
Connectors: E22 connectors (50 tons)

PROJECT TIME FRAME

October 2020 through June 2021