

# ITHACA CITY HARBOR

Ithaca, New York

## CASE STUDY

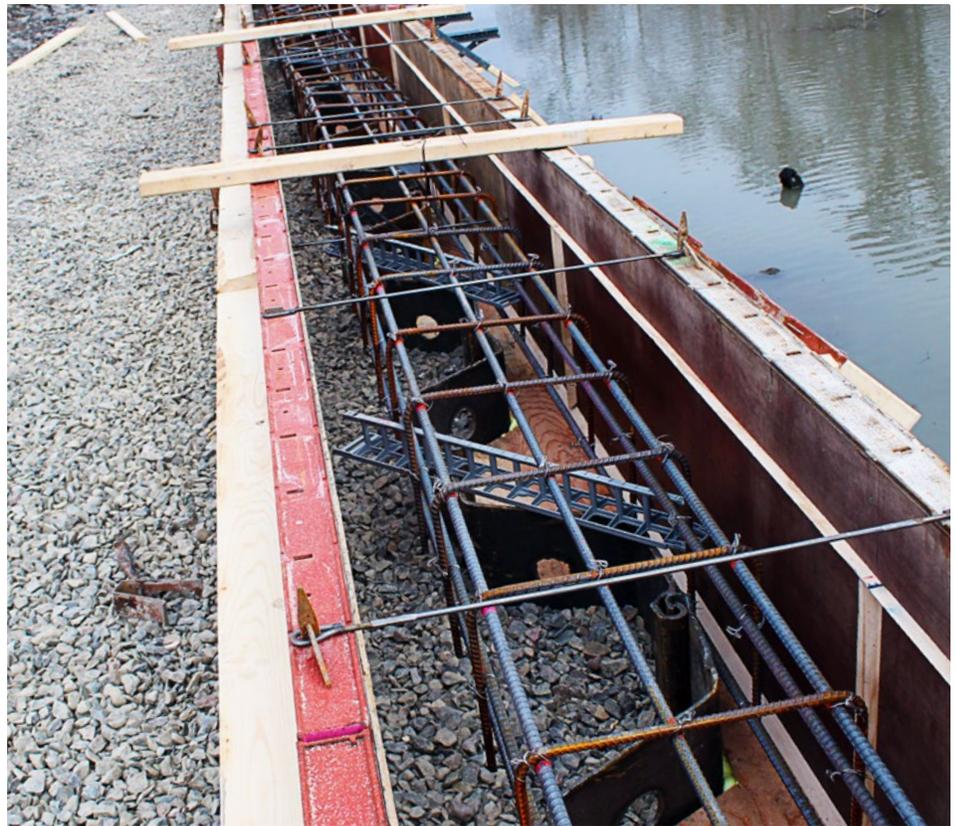
### BACKGROUND

With growing demand for a residential community and a rapidly growing tourism industry, Tompkins County Industrial Development Agency (TCIDA) located in Ithaca, NY issued for the construction of a new 158,000 square foot waterfront residential space, an adjacent 60,000 square foot medical building, and a new marina. This project required the construction of a 1,472-foot seawall, made of sheet piling provided by Samuel Roll Form Group and installed by local developer Edger Enterprises, Inc.



### CHALLENGES

During the construction of the 1,472-foot seawall, Samuel had to deliver the material on time to local developers in order to adhere to local environmental regulations that prohibited offshore disturbances starting March 15th. Additionally, lake levels in the area vary by 4 feet throughout the season. This meant that developers had to install the sheet piling in the ground while the water was low enough to see the bottom of the lake. Developers also had to meet the timeline of the local tourism industry, which required the construction of 110 new docks. This included gas docks which needed; a gas supply line, electricity, and a POS system. This all had to be completed by May 15th. To make the situation more challenging, there was a dredging project that ran parallel to the seawall. The dredging needed to be completed before the sheets could be installed.



## CASE STUDY

### SOLUTION

For this project, developers decided to use the EZ75 for the construction of the seawall. Developers chose this sheet because of its height and strength. The permit for this project prohibited the developer from extending the waterside of this wall by over 1 foot of the former wall's location. Additionally, the EZ75 offered enough strength to hold back the shoreside's soil. The depth of the EZ75 sheet also met the engineers design criteria.

Samuel Roll Form Group was successfully able to roll and deliver 736 pieces of EZ75, approximately 300 tons, from Iuka, Mississippi to Ithaca, New York. Additionally, Samuel was able to utilize existing stock material in Cambridge, Ontario to expedite corner fabrication to help in meeting the schedule. Shipments arrived on time and allowed developers to follow their timelines to complete the construction of the Ithaca City Harbor.



### PROJECT TEAM

**Edger Enterprise Inc**  
**Lambrou Real Estate**  
**Bridges Cornell Heights**  
**Morse Project Management**

### MATERIALS USED

**736 pieces of EZ75**  
**(300 tons)**

