

Summer 2020 Newsletter



Coastal Resiliency Case Study Article

The Summer 2020 NEWEA Journal features an article by Duncan comparing TR-16 resiliency guidelines for wastewater treatment infrastructure with a site specific analysis for a southern Maine wastewater treatment plant prone to coastal flooding. The TR-16 criteria using 100-year flood elevation plus 3 feet (0.9 meters) was found to be in good agreement with location specific analysis for a 50-year design window, the design flood elevation plus wave runup, and low to moderate sea level rise projections (minor acceleration). For more exposed coastal sites, longer design windows and higher sea level rise projections, the TR-16 flood level criteria may not be conservative.

http://www.newea.org/wp-content/uploads/2020/06/NEWEA-Journal_Sum20.pdf



Making Use of the Virus Shutdown: Oyster River Middle School Replacement

Civilworks, working with Lavallee Brensinger Architects, designed and permitted replacement of the Oyster River Middle School in Durham, New Hampshire. The project was designed for continued use of the old school while the new school building is constructed, however the project team took advantage of the Covid 19 virus shutdown to greatly simplify construction. This logistical advantage has meant the site work can progress with increased lay down area and no coordination with temporary parking, busses or deliveries.



Laconia Begins Weirs Beach Municipal Docks Improvements

The City of Laconia is improving the public docks at Weirs Beach to reconfigure the finger docks to better suit modern boats on Lake Winnepesaukee. The pile supported finger piers are too close together to fit today's boats with a functional fairway space in between, resulting in underutilized dock space. The proposed reconfiguration will remove every other finger dock to create navigation space, with the dock area replaced in finger dock extensions and a new southern finger dock to be added.

Civilworks Solves Problems

We enjoy challenges and look for creative and efficient solutions. It may be as simple as some basic wave forecasting or coastal resiliency advice for a permit application, up to design for multimillion dollar projects. We offer a comprehensive range of in-house civil, waterfront and coastal expertise.