



Boars Head Revetment – Hampton, NH

If you were driving along the New Hampshire seacoast recently, you may have seen a large crane on the outer portion of Boars Head. This Civilworks NE project was surveyed, designed and permitted to repair a slope failure on the steep 48-foot-high bluff. The toe of the bank was damaged by Hurricane Sandy wave erosion and the slope failure progressed up the bank over several years.

The repair used 4 to 10 ton armor stones that were sized for open ocean design wave conditions, transformed to a local design wave for this rocky beach. With no equipment access at the top or bottom of this slope, an excavator was lifted by crane to the base of the slope to dig in toe stones and then the revetment was constructed from the bottom to the top with the crane lifting and setting armor stones, underlayer stones and bedding stones with each course of rocks.

Due to the steep, almost 1:1 slope, that was significantly steeper than the angle of repose of planting soils, a planted slope restoration on the upper slope was not possible within the existing slope constraints.