



## Publication

# Hybrid foundation solution for debris fill, compressible soil

In a recently published article for Deep Foundations, [Hybrid foundation solution for debris fill, compressible soil](#), [Michael Weaver](#), P.E., Senior Associate and Director of Field Services at Haley & Aldrich, highlights the value of a hybrid foundation approach in urban redevelopment projects. Michael co-authored the article with Helical Drilling's Michael Cronenberger, P.E., and Andrew Thompson, P.E.

The article recounts how Weaver and the [geotechnical](#) team faced significant site condition challenges, which included previously filled land that had many past [industrial](#) uses, at the Alta XMBLY site in Massachusetts. As a result, the varying site conditions could not accommodate a one-size-fits-all foundation approach. The team instead developed a cost- and schedule-effective hybrid foundation approach consisting of ductile iron piles, sonic technology, and GeoConcrete Columns and shallow rammed aggregate pier [ground improvement](#) systems.

Read the full article on [Deep Foundations](#).