



COCHREN

FOUNDATION AND REPAIR COMPANY

CITY OF CAMBRIDGE

Sewer Installation Delayed due to foundation Failure

Installing Underground Services in a tight laneway

A utility company trenched in a gas line adjacent to a property with a stone rubble foundation. The excavation and vibration caused sections of the stone rubble wall to fall stopping all future work on the underground services.

The initial solution was to install timber lagging to protect the wall from the 14'-0" sewer cut within 8'-0" of the foundation. However, the 110" wide narrow laneway precluded drilling rigs from accessing the site.

The solution required shoring up the front of the house, removing parts of the foundation, installing five – 14'-0" deep helix piers (14 kip) capacity and constructing a reinforced concrete foundation wall. Cochren Foundation and Repair provided engineered drawings within 48 hours and completed the work in 3 business days.

