

A fully mapped utility system allows workers to identify and locate infrastructure while in the field, utilizing simple technology found in readily available, inexpensive equipment – like a smart-phone.

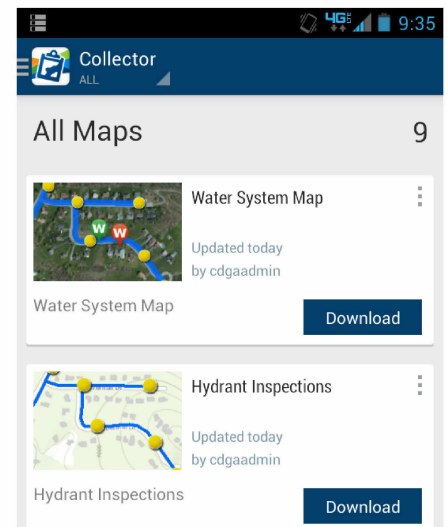
MRB Group used a combination of GPS technology, conventional surveying, and record map scanning to create comprehensive GIS utility mapping for the Town of Ontario, locating over 10,000 points in the field.

Data collection included road centerlines and street signs as well as all of the known features for the water, sanitary, and storm sewer systems. The finished utility mapping was then loaded into a GIS viewer, fully accessible on mobile devices to assist crews in locating underground utilities while in the field.

ESRI Local Government geodatabase templates allow data point features to include detailed attribute information. Each water main, for instance, can include a photograph, or scanned documentation, as a feature attachment, as well as information about size, material, and age.

The finalized mapping of the Ontario Water System allows mobile access to mapping by employees while in the field. Its implementation provides the Town of Ontario with increased productivity through immediate access to GIS utility record mapping. This can lower system maintenance costs far into the future.

MRB Group continues to assist the Town in updating its maps on an as-needed basis.



Client: Town of Ontario

Location: Ontario, NY

Completion: Ongoing

Engineer: MRB Group