



General Project Description:

The North Campus of University at Buffalo requires rehabilitation to underground utilities in order to reduce deferred critical maintenance backlog, to prevent increased costs associated with further deterioration, and to improve reliability of all systems. There is approximately 106,000 LF of domestic water, 108,000 LF of sanitary sewer, 130,000 LF of storm drainage and 54,000 LF of gas piping throughout the entire campus.

Ravi Engineering & Land Surveying conducted a topographic survey, utility survey, and prepared mapping for portions of the University of Buffalo - North Campus. The purpose of the survey was to prepare digital mapping that reflects current conditions throughout the survey limits for use in developing utility infrastructure improvements and the associated surface restoration work.

The survey includes the collection of planimetric and topographic features for the development of 2D and 3D mapping using Civil 3D 2011. The survey includes critical terrain features, location of grade breaks, elevations, planimetric site features, landscape features and building structures within the survey area. All visible overhead utilities and structures for sanitary sewer, storm sewer, water, natural gas, steam, electric, power, signal, and communication were located and mapped.