

SAIT TTC Streetscape

Calgary, 2011 – 2014

The SAIT TTC (Trades and Technology Complex) project consisted of three newly constructed buildings centrally located within the campus structure with a proposed urban streetscape and pedestrian landscape design. The project incorporated new cutting-edge design features seamlessly into its classic campus structure.

The proposed irrigation system had to fit into the site's existing irrigation network. Ion spent many days onsite investigating and assessing the existing system while designing the new system for the TTC project. It was noted during the assessment that the existing sprinkler system was not maintenance friendly due to wear and ongoing damage created by pedestrian traffic throughout the campus. The proposed design incorporated micro-irrigation subsurface dripline and bubbler technology for turf, trees and shrub bed areas, thus significantly reducing surface irrigation damage, vandalism and maintenance.

Irrigation point of connections within site building mechanical rooms were not available, so Ion used the existing mainline network to supply water to the newly proposed irrigation system. A satellite irrigation controller was designed into the system capable of managing the irrigation system centrally.

This state-of-the-art irrigation installation was completed in 2014.

