

BECKWITH STREET REVITALIZATION

CONSTRUCTION PROGRESS UPDATE NO.13

The past two weeks have been focused on two activities; The installation of the new watermain and sewers on William Street East, and the continued installation of the temporary water services.



The watermain and sewers at William were difficult to install, as the Contractor was required to work underneath two Bell Utility duct structures and a live gas main. As seen in the picture above, one of the Bell ducts was able to be supported with a steel beam, while the other was in poor condition and had to be broken out to safely work underneath.

UP-COMING

The water, storm and sanitary sewers on William Street East are nearly complete and on track to finish this week. Once installed, the Contractor will be able to backfill the area and reopen the William Street intersection.

Next on the list of construction activities are the watermain and sewers on Russell Street East. Previously the Russell Street East intersection was closed to allow the mainline sewers to be installed on Beckwith Street. This time the work will pickup from the manholes in the intersection and head East down Russell Street, similar to the past 2 weeks at William Street.

The Temporary Watermains on the West side of Beckwith will be chlorinated and tested to ensure the system is safe to be used for potable water. The Contractor will also start to connect each property to the temporary system over the next two weeks.

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TRAFFIC

William Street East to reopen this week.

Russell Street East to close following the reopening of William. Russell Street East will be accessible from Market Street, as it was during the previous closure, and will follow the same setup previously used. This closure is expected to remain in effect for approximately 2 weeks.

DID YOU KNOW?

Temporary water systems are often used in municipal infrastructure projects where the installation of new watermains cannot be completed while the existing watermains are still in service. Typically, the old watermains need to be removed first in order to fit the new watermains in.

In order to set up a temporary water system, a Contractor is required to follow strict ministry guidelines. Certified hoses meant for potable water are used, after they are installed a set of 4 foam swabs are launched through the hose to clean any dust or debris inside.

After the swabs are launched and inspected to ensure there is no more dust in the hose, a high dose of chlorine is injected into the hose to disinfect it. The chlorine levels are tested twice within 24 hours. If the level of chlorine drops, it shows that there was evidence of bacteria in the hose and the disinfection process must be restarted to ensure it is successful.



After the chlorine testing passes, the hose is flushed to get the chlorine out and filled with regular drinking water by connecting to an existing watermain that is still in service. This water is then sampled and tested 3 days in a row and sent to an accredited laboratory to analyze the samples and confirm that the water is safe for potable use.

Finally, once the bacteriological testing has passed three days in a row, the Contractor can commence excavating down to the individual services for each property and connect the existing services to the temporary system. This process will result in each property having their water disrupted for a period of approximately 1 hour. Residents and Businesses will be notified prior to this temporary disruption in service.