

## Culvert Installation Begins

### Shoring 101

When excavating, it is important to ensure the walls do not collapse and pose a danger to workers.

On the Brock St. Culvert project, walls will be retained by secant piles.

This method of construction uses poured and reinforced concrete pilings that are joined together to create a solid retaining wall.

Crews have completed installing the secant walls North of Brock St. Now excavation can begin!

The drill will begin placing shoring piles under Brock St. in January 2020.

Beginning in late November, excavators will begin removing soil north of Brock St. ahead of installing the culvert sections.

The excavation path has been reinforced with concrete pile walls (see sidebar). Excavated earth will be hauled away from the site. Some of the soil must be remediated for contaminants. That soil will be sent to a special facility for processing.

Pre-cast concrete culvert sections will be arriving at the construction site as they are being installed.

The culvert will have two channels. One is situated lower than

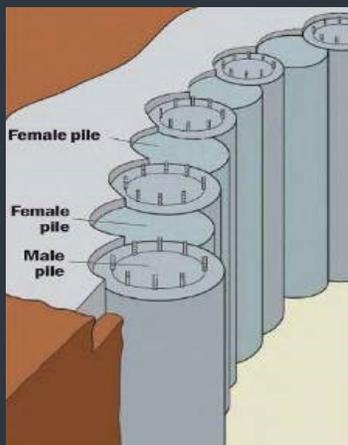
the other in order to keep the depth of water in the culvert at a level to support aquatic life. The higher channel takes the overflow in high-water situations.

The “low-flow” sections will be installed first. Three sections are already in place with 37 more to be installed before year end.

Culvert construction will be on a hiatus between Dec. 20th and Jan. 6th and will resume in the New Year. The generator operating the dewatering pump will be running continually over the break to prevent saturation of the soil surrounding the excavation by underground water.



Three culvert sections have been installed to date.



# Brock St.W. Closure

**Jan. 6th - Mar. 30th**  
(duration of closure is weather dependent)

**Closed between Toronto St. and Bascom St.**  
**Please follow posted detour signs**  
**Downtown stores remain open.**



[www.uxbridgeculvert.ca](http://www.uxbridgeculvert.ca)

## Construction Plans for 2020

The year will start with an extended closure of Brock St. W. between Toronto and Bascom Streets. Between January and March, crews will install shoring under the street, excavate, and install pre-cast culvert sections. The contractor has chosen to work through the winter to shorten the impact of construction as much as possible in 2020. The weather may impact the duration of the road closure.

Crews will work in multiple construction areas simultaneously. While culverts are installed north of Brock St. W, the shoring machine will be working on Brock St. It will move south to Centennial Dr. while excavation crews follow behind on Brock St. W.

Despite all the work taking place, pedestrians

will be able to access the downtown at all times, and vehicle access through downtown will be maintained on Centennial Dr. when Brock St. W. is closed and on Brock St. W. when Centennial Dr. is closed.



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