

MAY
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this issue

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Work Done to Date

We are almost finished demolition of the two buildings on the south side of Brock St. We still have a little work to do.

The last remaining piece for demolition is the north wall of the buildings. Right behind the north wall is the headwall for the culvert. We have to ensure that the very old headwall is secure enough to retain the sidewalk and road before taking the remaining north wall down. The rest of the material from the buildings is scheduled to be removed the week of May 27. Once the north wall comes down we can move the construction fence back and reopen the sidewalk.

Following this we will be preparing the area for the shoring and excavation.

CULVERT SECTIONS COMING SOON

The replacement culvert for the Brock St. project will be made of pre-cast concrete sections. The image below is from Decast Ltd., the company near Barrie, that is manufacturing our culvert sections.

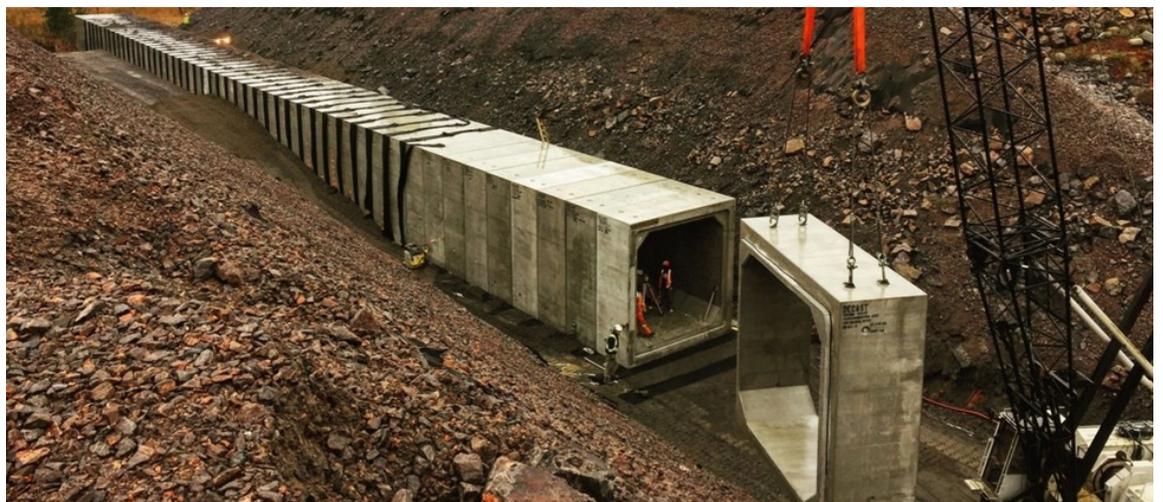
The culverts used in Uxbridge will be much wider than the one pictured below. The first culvert to be installed is the low-flow (fisheries) culvert. This must be manufactured in two pieces, a top and a bottom. The bottom sections are installed first and covered with a layer of aggregate to mimic a natural stream bed. Then the top sections are placed and connected.

As the sections are assembled the seams are wrapped to make them water-tight.

At the moment, Decast has completed approximately 50% of the first culvert sections and is storing the sections at their plant. This is on track for our scheduling.

The culvert pieces will begin arriving on site once work to prepare the excavation is underway.

Look for the culverts to start being put in place this summer!





WATER, WATER EVERYWHERE

Currently, crews are installing the dewatering system along the path of the future excavation for the culvert.

Construction dewatering lowers the groundwater table so excavations can proceed without water seeping into the excavation. Dewatering is a key part of keeping construction moving on schedule.

There is a significant underground aquifer below downtown Uxbridge that must be managed appropriately.

To reduce the ground water pressure and lower the water table, vertical wells will be drilled adjacent to the culvert path.

Water will be pumped from the wells via connecting pipes and passed through a large filter to screen out sediment. The water will then be released into the Brook.

Crews are installing one dewatering system North of Brock St and another will be installed South of Brock St.

It will take approximately 3-4 weeks to get the dewatering system installed and working.

The significant dewatering job is a large part of the project budget and was a factor in the construction costs being higher than originally estimated.

Current and Planned Work

- At the South end of the project, engineers are working with the construction crews to remove a section of concrete underpinning that partially supports the building to the East of the excavation. The replacement underpinning must be removed and reinstalled in sections to maintain structural integrity. There will be some dust and noise while the concrete is removed, but the contractor plans to spray water when cutting to keep dust to a minimum.
- Before excavation can begin, shoring must be put in place to prevent the walls of the future excavation from collapsing. Concrete secant shoring will be installed along the culvert path. Crews will be installing the secant walls once the dewatering system is working. There will be drills and cement trucks in the area while this work takes place, and some noise and dust.

Want to learn more?

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