



# Highway 427 Expansion

## BULLETIN #2

April 2018

The early works of the Highway 427 Expansion have started.

The first steps include preparing the land adjacent to the planned highway route.

The process of removing any trees, logs, shrubs, fallen timber and other surface litter within the right-of-way is known as **Clearing**, and is one of the first steps.

**Preloading** refers to the compression and consolidation of layers of soft soil to help reduce settling during construction. The weight of sand sitting on top of the soil compresses the soil, letting water out and ensuring the ground is solid for construction. Environmental Controls, such as the one seen in the photo on the right, are used to control the sediment.

You may notice **Preloading** sites for the Highway 427 Expansion at Rutherford Road, Major Mackenzie Drive and at the McGillivray Road overpass.

In the months to come, **Grubbing** will begin. **Grubbing** is the process of removing tree roots and stumps and is also part of the early stages of construction. Stumps and roots can cause uneven ground that can affect the integrity of the structure in the future.



*February 27, 2018. Installation of Environmental Controls, south of Rutherford Rd. Steel-mesh fence controls sediment flow from preloading sites.*



*February 26, 2018. Clearing operation north of Langstaff Rd. Grinding of tree material. Some of the wood chips will be spread on the ground to reduce erosion.*

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