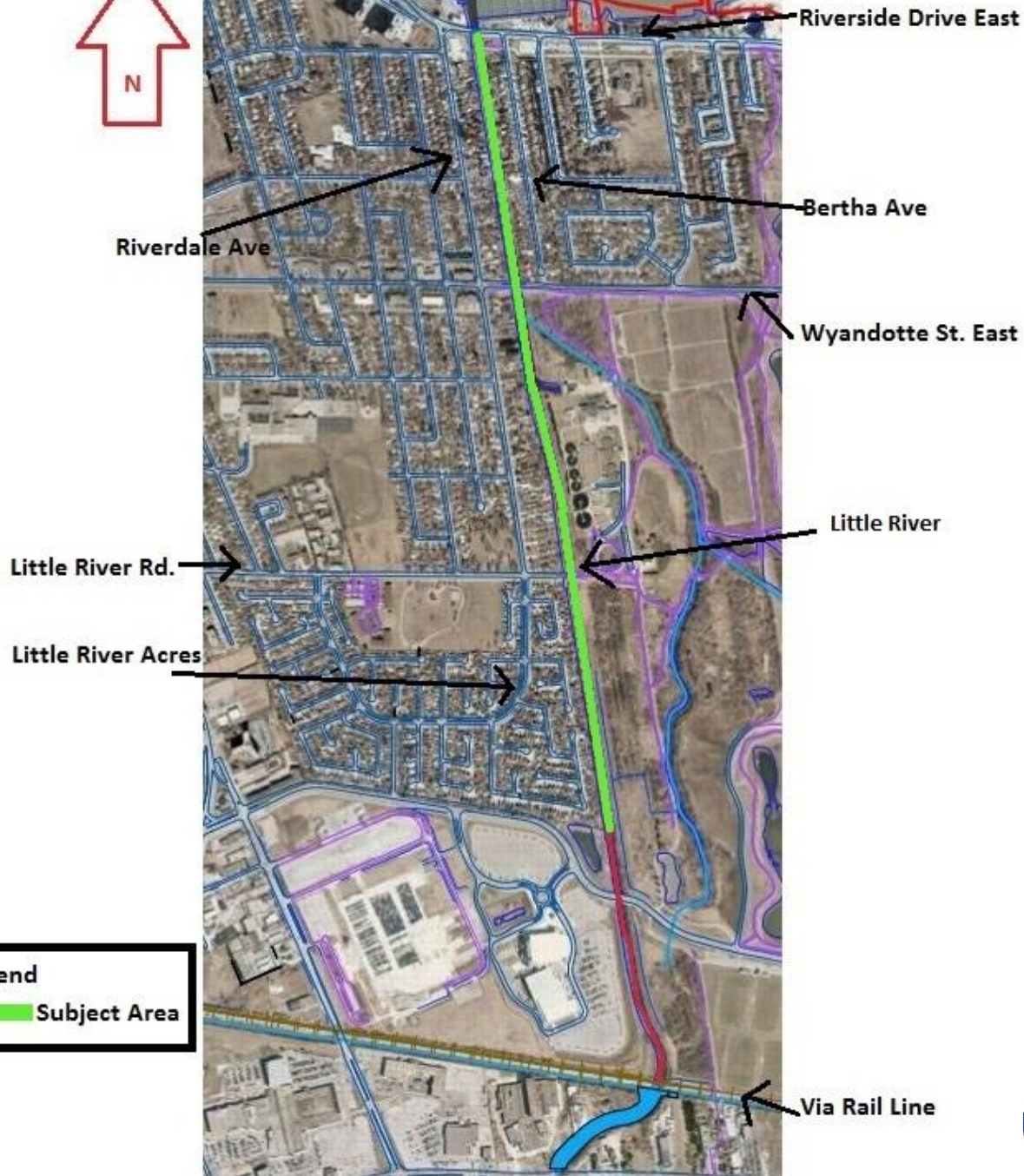


Little River Dike Improvement Project

Riverside Drive to McHugh Street



July 13, 2017



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History of Improvements

- In the 1980s a drainage study was undertaken to assess and improve the current condition of Little River.
- The study identified that the condition of the banks were suffering distress from erosion and high flow velocities.
- The report recommended installation of a steel sheet wall to protect from erosion and the dike that would protect the surrounding area from high water levels.
- Council adopted the report in 1984 under by-law 7635.

History of Improvements

- Over the next several years these proposed improvements to Little River were completed under the provisions of the Drainage Act and by-law 7635.
- More recently, improvements to the steel sheet wall were completed in 2014.
- Steel sheet wall improvements included replacement of approx. 120m of the wall.

Current Issues

- Over time obstructions, alterations, and removal of small sections of the dike have occurred.
- Some of these breaches & alterations include;
 - Decks
 - Boat docks
 - Sheds
 - Fencing
 - Landscaping
- These deficiencies will prevent the dike from providing the flood protection it was originally designed for.

Current Issues

- The Ontario Drainage Act and The Conservation Authorities Act prohibit the construction of any structures or objects in a watercourse or waterway if such construction or objects reduce capacity or impede flow. **The area from the top of the dike to the waters edge must be free and clear of any obstructions/structures.**
- The drainage report allows the following:
 1. A smooth grass surface with no shrubs or trees.
 2. Chain link fence allowed from top of dyke to waters edge between properties.
 3. Solid fence is allowed from top of dike to the home side of property.
 4. Stairs that were incorporated into the original design.

Under What Authority Can the Project be Undertaken?

1. By-Law 7635, which adopted the report, provides authority to maintain the drain in a good state of repair.
2. Section 12(1) of the Ontario Drainage Act provides authority to enter on to lands of any person to assess and survey the condition of the drain.
3. Section 63(1) of the Ontario Drainage Act gives authority for a contractor to enter onto lands to make improvements or repairs where necessary.
4. Section 80(1) of the Ontario Drainage Act gives authority for a municipality to put on notice property owners to remove obstructions within a time specified.

Steps to Implement Improvements

1. A consultant will be hired to assess and survey the current condition of the dike from Riverside Dr. to McHugh St.
 - The assessment will provide an up to date picture of the dike system.
2. Once the survey is complete, a notice to homeowners will be sent out requesting obstructions/structures be removed.
 - Homeowners will be provided time to have an opportunity to remove obstructions/structures.
3. A contractor will be hired to remove the any remaining obstructions & repair the dike in locations identified in the assessment survey.
 - Contractors will not be permitted to trespass beyond the limits of the working area.
4. A maintenance program will be implemented to regularly inspect & repair the drain as needed.

Homeowners will be kept informed throughout all phases of the project.

Importance of Correcting the Issue

Risks of doing nothing can potentially impact not only your home and neighbours but also:

1. 2000+ Homes in the surrounding area
2. Elementary Schools
3. High Schools
4. Churches
5. Commercial Structures
6. Apartment Buildings
7. Little River Pollution Control Plant

Thank you.

July 13, 2017

