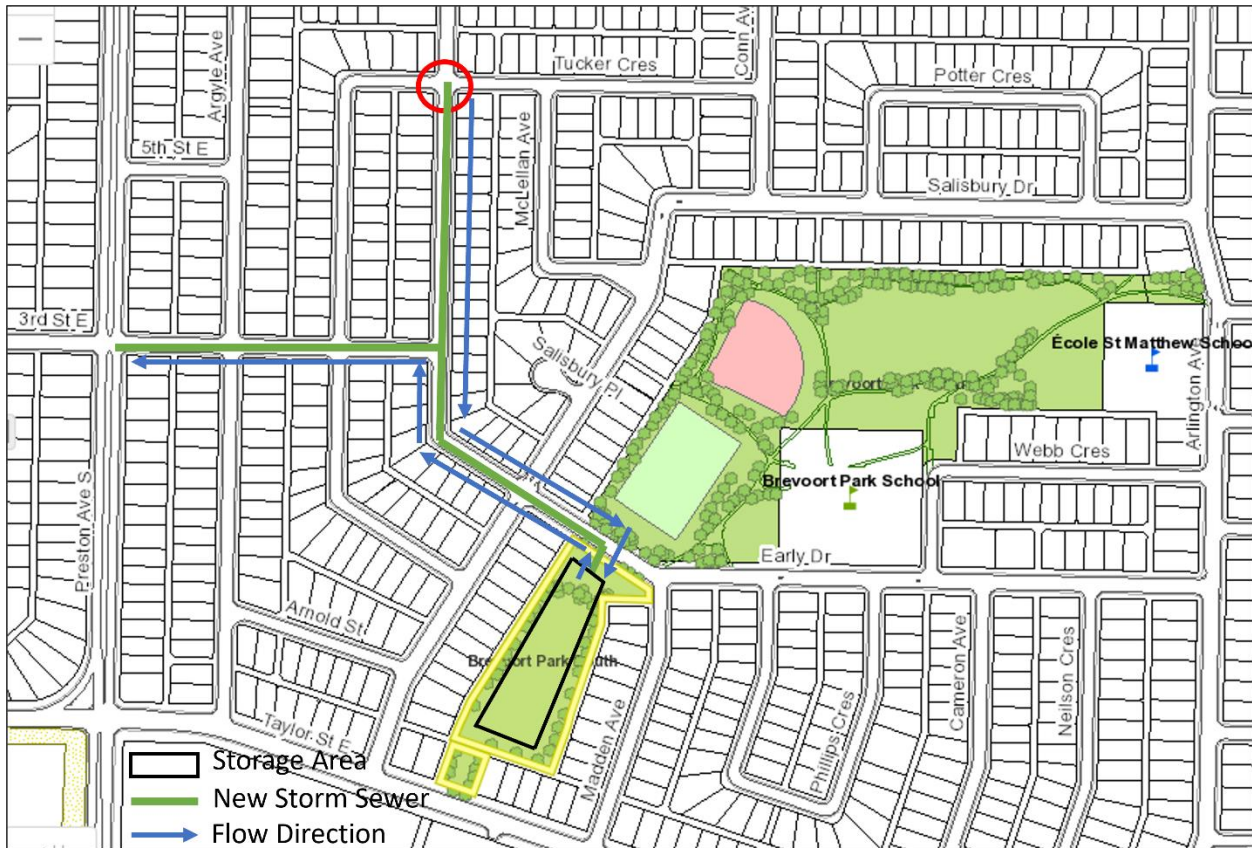


Feasibility Assessment

Design Plan



Underground Storage Example



Source: https://www.lafarge.ca/sites/canada/files/documents/stormtraps_casestudies.pdf

Technical Feasibility

- A 1500 mm storm sewer will be constructed from the intersection of Early Drive and Tucker Cres to the storage area in Brevoort Park South.
- The storage area will be comprised of underground storage and above ground storage (if required).
- Approximately 9,400 m³ of storm water storage will be constructed to mitigate flooding at the intersection.
- The underground storage and above ground storage (if required) will drain in less than 24 hours. The storm water will drain along Early Drive and 3rd Street East to the Preston Avenue storm trunk through a new 450 mm storm sewer.
- A geotechnical investigation is planned to consider groundwater levels in the design.
- Approximately seven trees will be removed for construction. Replacement trees will be planted as part of this project.
- Design parameters may change through detailed design.

Cost Estimate

Full Underground Storage

| Description | Estimated Costs |
|--|------------------------|
| Storm sewer infrastructure upgrades including road restoration | \$ 3,283,649 |
| Underground Storage | \$ 5,693,000 |
| Landscape Construction | \$ 200,000 |
| Contingency | \$ 917,665 |
| Associated taxes including rebates | \$ 605,659 |
| Total Eligible Costs*: | \$ 10,699,973 |
| Internal ineligible costs (design, project management, engagement, etc.) | \$ 500,000 |
| Total Ineligible Costs: | \$ 500,000 |
| Total Project Costs: | \$ 11,199,973 |

*Will be reduced to \$10.3M in detailed design