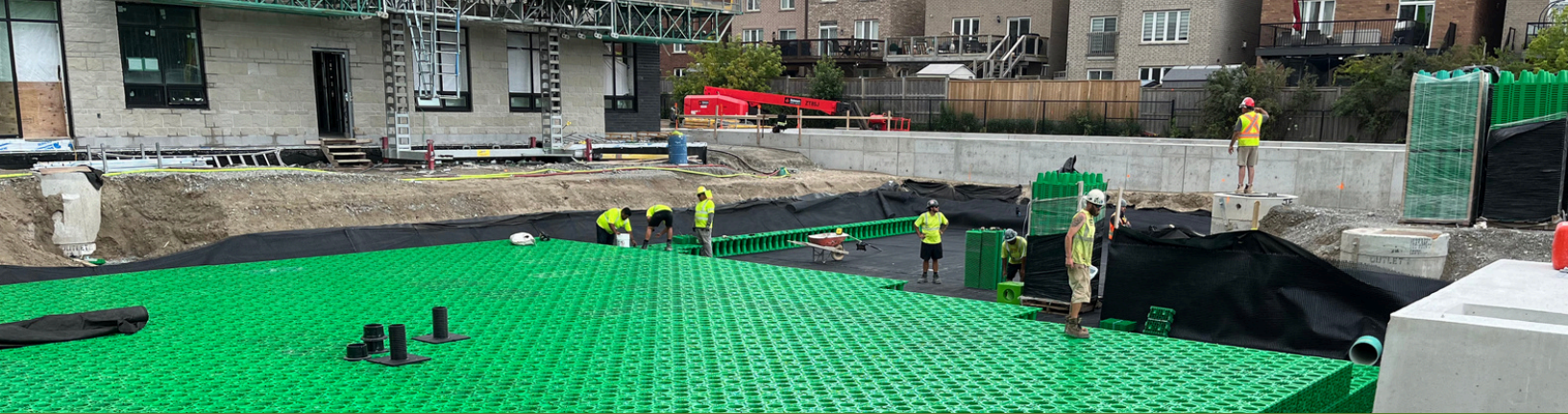




CASE STUDY

StormSmart™ Underground Stormwater Tank

LOCATION: Bradford, Ontario, Canada

PROJECT TYPE: Design Assistance, Material Supply & Liner Installation

PRODUCT USED: StormSmart™ Underground Stormwater Tank



CHALLENGE:

A new retirement building in Bradford, Ontario required an underground system to manage surface-water runoff. The project required 550 m³ of storage within a limited footprint. High groundwater conditions added another layer of complexity, requiring the design to account for uplift pressure on the buried tank and careful monitoring throughout installation.

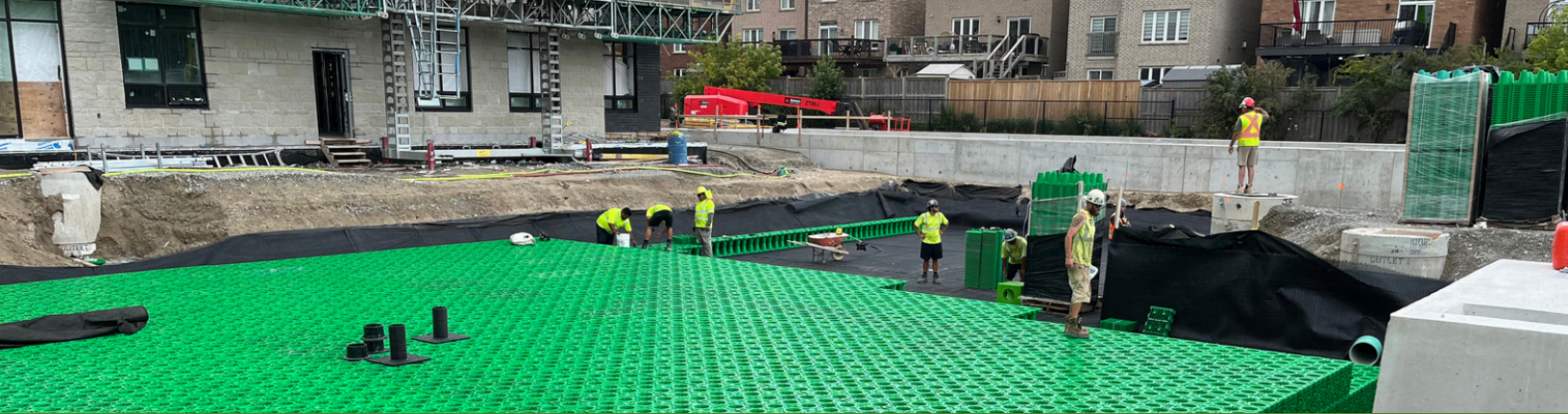
With only one access road to the site, the project also required careful coordination of material deliveries, equipment movement, and installation activities to keep the work progressing efficiently.

TITAN SOLUTION:

Titan worked with the project engineer during design, supplied the StormSmart™ system, and completed the full system installation, including the containment liner. The system's high void ratio provided the required storage volume within the available footprint, while its low profile helped address buoyancy considerations associated with the site's high groundwater conditions.



Backfill commencing on top of the tank



CASE STUDY

StormSmart™ Underground Stormwater Tank

TITAN SOLUTION CONT'D

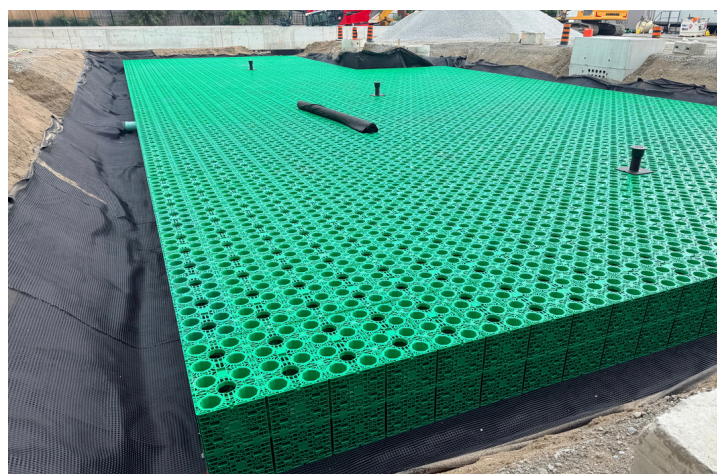
Given the groundwater conditions, the containment liner was a critical component of the installation. Titan's skilled welding technicians installed the liner using industry-standard welding techniques in accordance with IAGI practices, with QA/QC procedures performed throughout to support an impermeable system.

Titan also provided ongoing site attendance throughout the installation to coordinate activities, help ensure the system was installed smoothly, and allow the project engineer to verify the work on site.

ACHIEVEMENT:

Titan supplied and installed the 550 m³ StormSmart™ underground stormwater system, including the containment liner, in just two days. The product's packaging made materials easier to move around the site, supporting efficient installation despite the property's limited access.

The contractor was pleased with the ease of installation and material handling, while the engineer valued Titan's on-site attendance and installation verification. The completed system provided the stormwater-storage capacity required for the new development.



StormSmart™ tank installation