

## SITE GRADING & STORMWATER MANAGEMENT

### OPG VISITOR CENTRE GARDENS PHASE II – R.H. Saunders G.S.

**Client:** Sullivan Construction Company on Behalf of the Ontario Power Generation  
**Phone:** (613) 820-5248  
**Email:** info@sullivan.ca

**Location:** 2500 Second Street West, City of Cornwall, Ontario

**Project Cost:** \$1,300,000.00  
**Completion Date:** November 2023

**Project Manager:** Peter J. Ellis, CET  
**Project Engineer:** XXXX, P. Eng.  
**Field Services:** XXXX, CET

#### Project Description:

The proposed community garden and trail system at the OPG Vistor's Centre involved the restoration of a segment of the St. Lawrence River shoreline displaced by the construction of the R.H. Saunders hydroelectric dam upstream.

The project concept was developed in collaboration with native indigenous community members in order to establish an interpretative garden and an 800 metres of walking trail system.



Urban Watershed Group is grateful for the opportunity to have joined the design build team with Sullivan Construction to set out to achieve the goal of transforming the R.H. Saunderson's Dam Visitors Centre campus into a facility which pays homage to areas cultural heritage, native plant species, traditional medicines and their role in the First Nations way of life.



With the site located partially within the floodplain of the St. Lawrence River, the project was designed in compliance with conservation authority guidelines, with a focus on preserving and enhancing the site's existing hydrological characteristics through the implementation of several Low Impact Development measures to support the principles of an environmentally sustainable development.



Bioswale features located through the trail system were designed to contribute to runoff reduction, erosion control and improved infiltration, achieving benefits on the water quality and water balance of the site.



Overall, the Saunders Dam Visitor Centre Garden represents a successful integration of cultural heritage, environmental restoration, and sustainable design while creating a unique educational and recreational destination for the community.

Urban Watershed Group is responsible for the following aspects of the project:

- Grading Design
- Stormwater Management Design
- Erosion and Sediment Control
- Site Inspection

#### Figures:

#### Site Inspections

Supplied by Urban Watershed Group Ltd.