

Lake Major Water Treatment Plant

Dartmouth, Nova Scotia

*Focus on
Precast Concrete Solutions*



An integrated precast / prestressed concrete building system was used to construct this state of the art water treatment plant. The construction was similar to that of the HRM Pockwock Treatment Facility which was built some 25 years earlier. The excellent performance of the precast concrete structure to the high humidity and water treatment process was the major factor that led to the use of precast concrete for the construction of the Lake Major Water Treatment Plant. The new plant was built of precast / prestressed concrete double tee roof and floor systems, beams, columns and load bearing StresWall insulated wall panels.

The finish of the StresWall insulated wall panels was a gray vertical rib on the exterior with a smooth steel form finish on the interior for easy cleaning.

The holding tank was buried below grade and its roof was constructed with precast prestressed concrete double tees. The installation of the precast prestressed components took approximately six weeks.



Project:

**Lake Major Water Treatment Plant
Dartmouth, Nova Scotia**

Architects:

WHW Architects Inc. - Halifax, Nova Scotia

Structural Consultants:

GH2M Gore Storrie Ltd. - Toronto, Ontario

Porter Dillion Limited - Halifax, Nova Scotia

Construction Manager:

**Walter Construction (Canada) Ltd.
Halifax, Nova Scotia**

Precast Fabricator:

Strescon Limited - Bedford, Nova Scotia



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Strescon is a member of the OSCO Construction Group

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StresWall Insulated Precast Wall Panels