



RBC Centre - 4 Pad

Owner & Contracting Authority:

Ellis Don Construction, Halifax, NS

Project Location:

Dartmouth, Nova Scotia

Level of Involvement in Project:

Prime Civil design firm

Project Capital Costs:

\$45 Million

Project Description:

The design consisted of detailed stormwater calculations, detailed drawings for installation of a sanitary lift station and dual force mains, sizing of the water service lateral and sewer service lateral, parking lot layouts, site grading, and design of underground exfiltration galleries. A detailed report was produced for the hydrologic analysis of the surrounding Spectacle Lake watershed including determination of high water level and surface runoff flows and volumes. Detailed underground stormwater ex-filtration galleries were included in the design and stormwater calculations. This site met stormwater runoff criteria including balancing peak runoff flow values as well as total runoff volumes under various rainfall events.

Category of Service:

Topographical survey, construction survey, soil testing, municipal design, electrical and communication, lot grading design and certification, stormwater drainage design, erosion and sedimentation control design, field construction administration, geometric design, and site design.

Dates of the Project:

2015 - 2016

Key Strum Team Contact:

Rob McKinnon was Strum's Project Manager for this project and held responsibility as the lead design engineer. Richard Wile was Strum's Assistant Project Manager and led Strum's involvement in the project during the construction phase.

Description of Role: