

CASE STUDIES

Lynn Valley, North Vancouver: Custom Stormwater Management System



When tasked with finding an efficient and compliant stormwater management system in North Vancouver's Lynn Valley, the developer enlisted the expert help of a local civil consulting firm. They approached BARR Plastics Inc for a durable solution that would not only protect the development against flooding but would also work with the site's unique, tight hilly profile. It was also key for the system to meet the District of North Vancouver Hastings Creek Watershed Stormwater report stringent storage volume requirement of 1,143 cu.m / Ha.



The expert team at GRAF & BARR Plastics Inc specified, designed and supervised the installation of three stormwater infiltration systems, which were fitted in two phases. During the first phase, a 1,180 m³ two-tank system was installed. It was built using 5,760 heavy-duty EcoBloc Inspect Flex modules to meet a burial depth of 5 meters with in-built inspection channels for easy maintenance. During phase two, a second, 658 m³ system was fitted consisting of 3,210 EcoBloc Inspect Flex modules.

This system was built with enough capacity to resist the kind of extreme storm only likely to happen once in a 100-year period, with an additional 15% contingency buffer for climate change on top of this. This ensures complete peace of mind for everyone - including the developer and future residents.

Project Team

Supplier: BARR Plastics

Standard

SWM City Policy

BARR Product

EcoBloc Inspect flex



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