CASE STUDY

SaniTite® HP Holds, Conveys Water

Tsawwassen First Nation, BC

OWNER
Ivanhoe Cambridge, Montreal, QC
Property Development Group, Vancouver, BC

ENGINEER
Associated Engineering, Vancouver, BC

CONTRACTOR
B&B Contracting, Surrey, BC

INSTALLATION DATE
January-March 2015

PRODUCTS
1418 m (4,650’) of 1500 mm (60”) SaniTite HP
24 m (78’) of 1200 mm (48”) SaniTite HP
6 m (20’) of 750 mm (30”) SaniTite HP
54 m (177’) of 900 mm (36”) SaniTite HP
36 m (118’) of 450 mm (18”) SaniTite HP

DESCRIPTION

The construction of two mega-malls, one enclosed shopping mall and an outdoor retail space, next to each other required the use of a storm sewer. The sewer would need to convey stormwater flows around the sites’ perimeter under public roads.

Given the saline environment of the soil and poor soil, SaniTite HP was chosen for the project. SaniTite HP provides corrosion resistance and offers the structural strength needed in the poor deltaic soil conditions in the seismically active region.

SaniTite HP’s light weight and integral bell-and-spigot joints allowed the contractor to install 60 metres (200’) of pipe per day whereas 30 metres (100’) was the goal.

The pipe was installed on a zero percent grade with as little as 450 mm (18”) of cover to act as a holding tank as well as conveyance. The held water was then able to enter nearby ditches, which are used by local farmers for irrigation.

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