



Aragon Development Complex

Port Moody, British Columbia, Canada

Keller successfully completed their first cutter soil mixing (CSM) project in Canada one week ahead of schedule.



The project

Aragon Properties Ltd. is establishing a new mid-rise development complex in Port Moody, BC, featuring prime residential and retail space. Keller's ability to provide custom solutions won the contract for earth retention and excavation support at the property to aid in the establishment of Aragon's modern living spaces.

The challenge

The main challenge was installing the panels in tight corners, close to an adjacent building on the west side of the property, and ensuring verticality to avoid intrusion into the planned excavation pit.

The solution

Keller performed earth retention and excavation support on the 38 m tall by 79 m wide property to aid in the establishment of Aragon's modern living spaces. The CSM shoring wall was designed as a temporary earth retention structure anchored to support the maximum excavation depth of almost 11 m and embedded in a silt layer to restrict seepage of groundwater into the excavation pit. Construction included the supply and installation of almost ninety 650 mm thick CSM panels to a depth of up to nearly 16 m. Keller then completed the installation of 124 H-piles within the CSM panels.

“ All in all, working with Keller was a big win for us, and we would highly recommend them and their soil mixing team to anyone.

Kris Hellens, EIT

Senior Project Manager, Aragon Construction Management Corporation

Project facts

Owner(s)

Aragon Properties Ltd.

Keller business unit(s)

Keller

Main contractor(s)

Aragon Properties Ltd.

Engineer(s)

GeoPacific Consultants Ltd.

Solutions

Support of excavation

Markets

Commercial

Residential

Techniques

Cutter soil mixing (CSM)

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