



**BRIDGES**

# PHILIP'S AVENUE OVERPASS

North Vancouver

CANADA



## Owner

City of North Vancouver

## Engineer

MMM Group

## General contractor

Lafarge Canada

## Period of works

January 2019-December 2019

## Main figures

### Geotechnical specialities

21 modified expanded base piles installed for 2 abutments & 2 piers of overpass



## Project description

The project required 8 abutment and 12 pier piles for an overpass structure in North Vancouver. One single pile was also required for a lightning spire.

## Ground conditions

Sand and gravel to depth of pile termination.

## Solution

21 modified expanded base piles, also known as Frankii piles or compacto piles, with permanent casing installed using a crawler crane equipped with VTL and drop hammer. Zero slump concrete used to form the bases of the piles.



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