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*Specializing in piling, caissons, shoring, underpinning, slurry walls, slurry trenches and including concept and execution.*

**PROJECT :** Maritimes Helicopter Training Center  
Shearwater, N.B.

**DESCRIPTION:** Installation of 200 – 16"  $\emptyset$  expanded base piles.

**CHALLENGES:** Faced with a very expensive conventional deep foundation system due to the heavy loads and a deep bedrock elevation.

Petrifond's proposal to install shallow EBP on a competent till soil material proved to be the winning solution. A series of 200 – 16"  $\emptyset$  EBP piles, having an average length of 6 m were installed for the project.



In order to certify that soils could resist adequately, the loads, of three (3) piles were subjected to static loads. At 200% of the service load total deflection was 3/8 of an inch.



## **PARTICIPANTS:**

**OWNER:** Defence Construction

**ENGINEER:** Jacques Whitford

**CONSTRUCTION MANAGER:** P.C.L. Contractors Canada Inc.

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