

**ENBRIDGE T-SOUTH EXPANSION
SAVONA, BRITISH COLUMBIA, CANADA**

Dynamic Barriers

Problem

WSP Canada was the prime consultant on a natural gas compression station expansion project for Enbridge Pipelines Inc., located in Savona, which is 38 Kms west of Kamloops, BC.

According to Geotechnical assessment done by BGC Engineering Inc. (hired by Enbridge), a steep uphill slope was present along the south edge of the site. Loose rocks from the slope could be a hazard to the compression station located at the bottom of the slope.

WSP was working on 2 possible options to protect the site from any potential rockfall hazard. One was a gravity retaining wall (gabion) and the second was a rockfall catchment fence.

Solution

Maccaferri Canada was asked to provide preliminary design and cost estimates for a gravity retaining wall and a rockfall catchment fence. After reviewing the geotechnical assessment provided by BGC and a thorough site visit, Maccaferri proposed a 2000 KJ barrier. This barrier was 175 linear meter and 4 meter high.

Client: ENBRIDGE PIPELINES INC.

Designer / Consultant: WSP CANADA

Contractor: BAT CONSTRUCTION

Products used (Qty.)

- Dynamic barrier ROC 200/A 175 L.M

Date of construction: 02/2020 - 04/2020



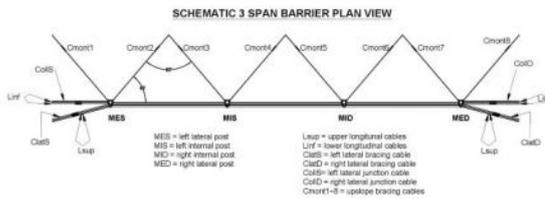
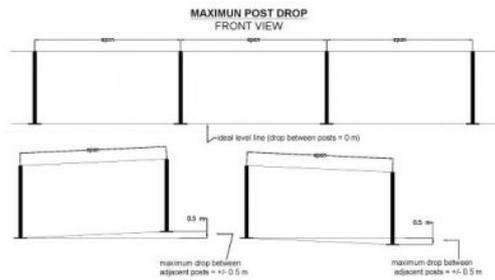
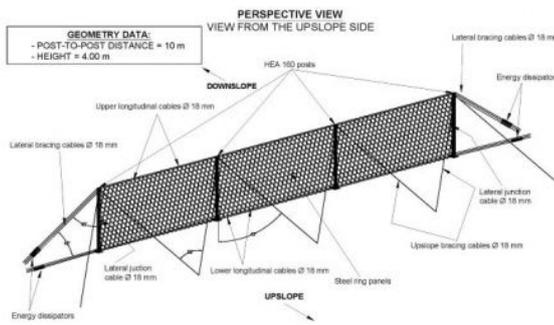
RMC 200/A



RMC 200/A

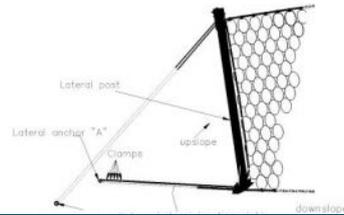


RMC 200/A



NOTE: All the distances shown are to be measured in the plane perpendicular to the post axis

LATERAL JUNCTION CABLE VIEW FROM THE DOWNSLOPE SIDE



Construction Drawing