



**PRIMA**  
PIPE SOLUTIONS LTD

www.primapipesolutions.com

## Canadian Oil Sands Mine - 2 in 1 - Haul Road Rehabilitation



### Technical Details:

**Project Requirements:** Rehabilitation of compromised water main pipeline infrastructure by way of slip lining 2 x Primus Line DN300 flexible reinforced (FFRP) in 1x DN900 haul road crossing. Cleaning of host 36-inch followed by CCTV inspections and reline.

**Project Length:** 440 meters of steel pipe.

**Host Pipe:** DN900 welded steel pipe.

**Material Used:** Primus Line DN300 TPU Kevlar Spool-able Pipe.

**Connectors Used:** Custom DN900/2x DN300 connectors on host pipe followed by 4 Low Pressure DN300 Primus Connectors.

**Multiple Bends:** 45, 30, 22, 11 degree bends.

**Execution Date:** September 2021

**Installation Duration:** 10 days, start to finish of rehab.

### The Need:

With an unusable host pipeline the clients original plan was to run horizontal drilling and new pipe infrastructure to maintain the transfer of fluids from large mine ponds to other ponds throughout the area. Dig and replace was not an option as the haul roads could not be shut down at any point. Not needing the original 36-inch line based on volume, the client chose to place 2 DN300 liners inside the host pipe, utilizing one as a primary and the second as a backup for future needs. Because of the spool-able ability of Primus line, the client was able to capture substantial costs savings by eliminating drilling and having future infrastructure in place for unplanned growth. With multiple bends, the liners were installed with ease and in record time.



**PRIMUS LINE**

The prime solution for pipes.