

# DRAINTUBE

## AT WORK

A DRAINTUBE™ case study

## Tailings and mining applications

Central Manitoba Mine & AMEC have chosen **DRAINTUBE™** technology for an orphan mining site rehabilitation project at Gunmar near Bisset, (MB).

From 1927 to 1937, Central Manitoba Mine extracted 5,000 tons of gold (using cyanide) from 480,000 tons of ore. The site was closed and orphaned. An AMEC engineering office was chosen to rehabilitate the site. Originally, a 500 mm (20") sand layer was planned to collect percolated water and reduce the risk of leachate production. Instead, **DRAINTUBE™ 400P FT1 D25** was chosen to replace the sand layer. Because of the distance from the pit to the mine, sand was both impractical & expensive.

Using **DRAINTUBE™** to replace the sand layer also offered other advantages, such as:

- Reducing the overall cost and construction time of the project.
- Reducing 90% of the truck traffic in the area related to the transport of the sand drainage layer, thus reducing the environmental footprint of the project.
- Using Lymphéa® Drainage software for the design of the drainage layer.



Installation during the winter season

2013/12/10

Tailing of Central Manitoba Mine - Manitoba – 2013

Product: **DRAINTUBE™ 400P FT1 D25**

Years : 2012 and 2013

Owner : Central Manitoba Mine

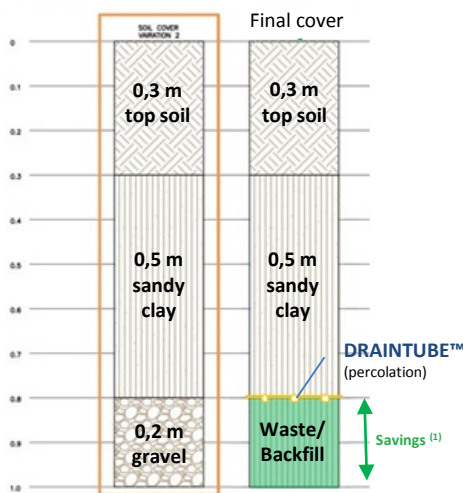
Engineer : AMEC

General Contractor: OSC Western

Total area: 254,000 m<sup>2</sup> (2,734,000 sf)

Gradient: 1%

Figure 3.0 – Soil Cover Geometries (AMEC, 2011)



(1) DRAINTUBE™ allows the savings of 200 mm of gravel and the related truck traffic and GHG effects decrease.

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Produced by:

**AFITEX** **Texel**  
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**DRAINTUBE™, the drainage YOU want!**