Acoustic Wall
Ongoing creation of buffer zones between Rio Tinto Fer et Titane and the community of Saint-Joseph-de-Sorel

In 2013, RTFT acquired the land located to the east of its facilities. This is where the acoustic wall will be built.

The acoustic wall will reduce noise for RTFT’s immediate neighbours. The project shows that RTFT is continuing its efforts to reduce its environmental footprint in the community.
Project explanation
• Over the past few years, an increase in the number of heavy vehicles using the roads inside the metallurgical complex and unavoidable traffic in the coal storage area have resulted in an increase in noise in the community of Saint-Joseph-de-Sorel.
• After acquiring the land in 2013, RTFT suggested to the Town of Saint-Joseph-de-Sorel that an acoustic wall be built to reduce the noise impact of its operations on people who live nearby.
• Construction of the acoustic wall is part of the ongoing creation of buffer zones between the company and the community of Saint-Joseph-de-Sorel, including the following green areas:
  - Berm planted with trees along Léon XIII and Chevrier Streets;
  - Imenite Park;
  - Green space along Moreau Street.

Acoustic wall
• Seven metres high and over 152 metres long, the acoustic gabion wall will reduce noise in the community of Saint-Joseph-de-Sorel.
• It will be made of cages filled with recycled concrete.
• The topsoil removed during the construction of the wall will be used to green the structure. It will be seeded before it is placed on the acoustic wall; this will promote plant growth on the wall.
• The residential side will be landscaped by a specialist. It will be harmonized with the existing green area.

Acoustic wall explanation

Creation of the acoustic wall
• Work on the acoustic wall will begin on 26 September and be completed in mid-December 2016.
• Unless otherwise indicated, the work will take an estimated 60 days (from mid-October to mid-December 2015). It will be done Monday through Friday, from 7 a.m. to 7 p.m.
• The main equipment required for the work will be power shovels and heavy trucks.

Overview of the wall planned by RTFT

Landscaping plans will be presented in the spring of 2017, so that people can view the design.

View of an acoustic wall

1. Earth and plant cover (residential side)
2. Geogrid
3. Granular fill
4. Recycled-concrete stone façade (facing the metallurgical complex)