



CASE STUDY

Pinaymootang First Nation Lining Project- Community drainage channel



- ▼ **LOCATION:** Fairford, Manitoba
- ▼ **PROJECT TYPE:** Supply only
- ▼ **PRODUCT USED:** Geosynthetic Clay Liner- 42,000 m2



▼ **PROBLEM:**

KGS Group was tasked by the local First Nations Community to construct a community drainage channel. Due to highly erodible onsite soil conditions, a product was required that would divert flow directly away from the adjacent Lake George wetlands to avoid any potential environmental impacts.

▼ **THE TITAN SOLUTION:**

The original design concept was to utilize the existing clay onsite, which was not possible. The one key important design issue was the potential impact of over fill topping into the nearby wetlands. The GCL was suggested as the material of choice due to it being a high performance geocomposite that is used as an alternative to conventional compacted clay liners. GCL's have a long-lasting resistance to physical and chemical break-down in harsh environments, making it the ideal solution for this project. Installation of the GCL was critical on both overlaps, anchor trenches and hydration

▼ **ACHIEVEMENT:**

Titan was chosen for this project because we were able to deliver a product that is not only cost effective; one truckload of GCL replaces 200 truckloads of clay, but also met all the engineer's environmental requirements.



Contact us for more information:

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