

# Onigaming Lagoon Design

## Client

Ojibways of Onigaming  
First Nation

## Services

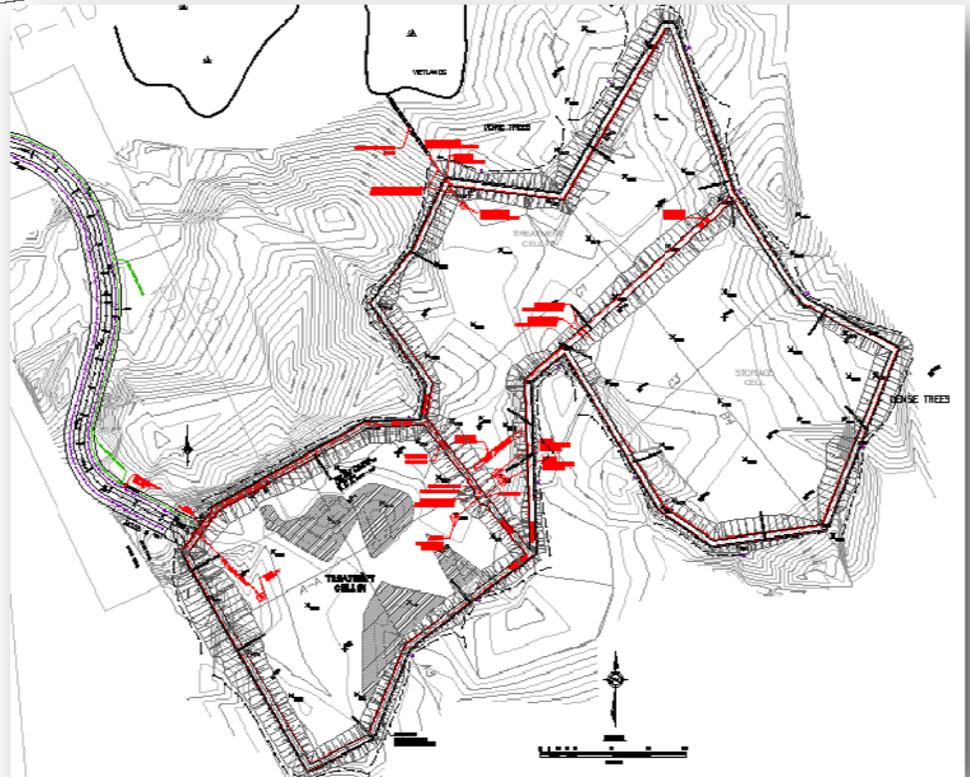
Pre-Design  
Detailed Design

## Reference

Mr. E. Paul Friday, P. Eng.  
807 767-3891

## Year

2010



KAL provided engineering services to design the Ojibways of Onigaming First Nation's wastewater treatment facility to service the communities projected 20-year wastewater flows while meeting the Guidelines for Effluent Quality and wastewater Treatment at Federal Establishments, from Environment Canada.

The wastewater treatment facility consists of a three cell facultative lagoon facility that includes:

- Two (2) facultative treatment cells (Cell #1 & Cell #2) with combined total treatment area of 51.4 ha and a hydraulic storage capacity of 68,721 m<sup>3</sup>.
- One (1) storage cell (Cell #3) with a hydraulic storage capacity of 45,153 m<sup>3</sup>.

The lagoon cells were designed to conform to the existing terrain.