

HELICAL PIER SYSTEMS

# Sifto Salt Plant Expansion

**Project:**  
Sifto Salt Plant  
Unity, Saskatchewan

**Installation Contractor:**  
Ducherer Builders Ltd..

**Engineering:**  
Ducherer Builders Ltd.

### Description:

Ducherer Builders Ltd. was contracted to install piers as new foundations for an expansion at the Sifto Salt Unity Plant.

### Design:

Pier design: 6" in diameter x 22' in length with a double 14" helices manufactured with a 6" pitch

### Construction:

Ducherer Builders Ltd. installed 12 piers with a brand new Pengo MDT 25K drive. At 16 feet of embedment the drive kicked into high torque. Each pier was installed to a final torque of 24,500 ft lbs.

