



Project: Colonsay – Canadian Wheat Board Terminal

Highlights

Owner: Canadian Wheat Board
Client / Contractor: FWS Group
Contract Value: Approx. \$2 million

Work Completed: August 2014
Region: Saskatoon, SK
Services: Load Test/Design/Drilled CIP piles

Scope

Our overall scope of work consisted of providing one full scale, instrumented static pile load test, pile engineering and design, and subsequent construction of 450 CIP piles. The piles were 510mm (20") diameter with depths ranging from 23 to 28m (75 to 92ft). The maximum test load reached 2,100 kN (472kip) which proved that the soil parameters originally stated in the geotechnical report were accurate.

Fast Facts

- Supply and Installation of :
- 1 Full scale load test to 2,100 kN/ (472kip)
 - 450 Cast in Place (CIP) piles
 - Pile diameters - 510mm (20 inch)
 - Pile depths – 23 to 28m (75 to 92 ft)

Results/Value

All work was completed on time, on budget with no rework while achieving an exceptional safety record of zero incidents. Designing new tooling increased productivity by 20%. Load testing data assisted in reducing the concrete required by 30% from 5,700m³ to 4,000 m³.