



February 22nd, 2012

Birmingham Construction Limited

600 Ferguson Ave. N
Hamilton ON
L8L 4Z9

Attention: Andrew Wertz, Project Manager

Subject: City of Hamilton – Woodward Waste Water Treatment Plant Upgrades 2011
Thickener Building Retaining Wall

The Barclay Construction Group Inc. called upon Birmingham Foundation Solutions late in 2010 to request assistance with a Project for the City of Hamilton at the Woodward Waste Water Treatment Plant Site.

The challenge consisted of protecting an existing electrical ductbank adjacent to our deep Thickener Building Foundation excavation.

Conventional Sheet Piling or Soldier Piling and Lagging Retaining Walls with proper Toe could not apply, however, due to the presence of a high native rock layer just 1 metre to the underside of our desired pit.

Andrew and the Engineering Department at Birmingham came up with an innovative and cost efficient solution wherein we rock socketed and embedded steel soldier piles, installed hardwood lagging and a simple deadman system just over the top of the utility in question. The project team mobilized quickly and executed the work to completion in a safe and professional manner as has always been our experience here working with Birmingham.

Thank you again for your efforts, and we look forward to working with you again in the near future.

Yours Truly,

THE BARCLAY CONSTRUCTION GROUP INC.

Jim Barclay

Jim Barclay
President and General Manager

The Barclay Construction Group Inc.