

Martin Marietta Wharf Facility Modifications



AULDS COVE, NOVA SCOTIA

Steel Sheet Pile Bulkhead and Loadout Support Structure

COMPLETION DATE

December 2005

VALUE OF CONTRACT

\$6,800,000.00

OWNER

Martin Marietta Materials Canada Limited

CONSULTANT

SGE Acres International
Grant Mc Charles
Sydney, NS

BEAVER MARINE
LIMITED

Project Description

DESCRIPTION

Construction of 650 foot SSP marginal wharf and new ship loader foundation.

EQUIPMENT

"Beaver Kay" spud barge
"William Dilly" spud barge
Liebherr HS855 HD c/w vertical travel lead
Linkbelt 518 c/w vertical travel lead
Pileco D46-32 Diesel Hammer.

INSTALLATION METHOD

SSP's were driven with the Pileco Diesel hammer to bedrock. Toe pins were installed into the bedrock to prevent the SSP's from kicking out. A concrete pile cap, fenders, and backfill completed the wharf structure. In addition, a new ship loader foundation was constructed on H-piles and a concrete rail beam. Demolition of the existing structure, construction of the wharf and crane rail beams and reposition the ship loader were completed in phases so as not to disrupt the owner's regular shipping schedule.

