



The Burano

Piling

Toronto, ON

+ Project snapshot

- Deep excavation to be completed in Toronto.
- 8-level subterranean parking garage.
- Aggressive schedule requirements

+ Project description

The shoring project involved a continuous caisson wall to permit the excavation of a 8-level subterranean parking garage for the construction of the high-rise condo located at Bay and College Streets in downtown Toronto.

+ Project Challenges

SB Canada's crews are conscientious about meeting aggressive timelines and the Burano Condominiums shoring project was no exception. The site was in a very congested urban area and the excavation was to be 65ft. below grade. An added challenge was trying to accommodate an adjacent neighbour in midstream of the project.

+ Innovative solutions

SB Canada utilized two of its Drill Rigs to drill to a depth of 85ft. The retention system consisted of 240 tiebacks and 12 sets of corner braces.

SB Canada had to deal with the added challenge of accommodating an adjacent neighbour in midstream of the project. The owner had to make design changes for an additional method of doing the retention, involving an extra 100 tie rods, to benefit the neighbour tying into the shoring in the future. SB Canada worked with the owner and the designer to come up with a system that could be readily installed and incorporated into the construction process while still meeting the targeted end date.



Owner
832 Bay Properties
Consultant
Isherwood Associates
General Contractor
H&R Developments

Bermingham Personnel
Todd Barlow
Period of work
December 2008 - August 2009

