

## NEWMARKET RESIDENTIAL DEVELOPMENT CALLS FOR NUMEROUS DURISOL RETAINING WALLS TO SOLVE GRADE AND SLOPE ISSUES

A new residential development located at Bathurst St. and Woodspring Ave. in Newmarket, Ontario, was to begin construction by a large scale developer, Ardree Developments. With varying grades sloping around the existing site, the project scope included the need for multiple earth retaining wall systems along the proposed residential properties. It was critical that not only the earth be retained where required but property lines be held tight to the earth retaining walls in order to maximize property space for residents. Durisol's NFRWS (Narrow Footprint Retaining Wall System) was the ideal solution to retain the desired wall heights while achieving maximum lot sizes and creating a visually appealing wall that complimented the natural environment.

Durisol's NFRWS is a cantilever system consisting of drilled shafts, poured concrete footings, structural steel posts and reinforced concrete panels.

### OWNER

Ardree Management Inc.

### CONTRACTOR

Ardree Management Inc. & Powell Contracting Ltd.

### LOCATION

Newmarket, ON

### TECHNICAL DETAILS

Durisol Narrow Footprint System  
195 concrete earth retaining panels



This RSS system is especially suited for installations with a narrow right of way where minimal excavation and backfill area is needed. The projects design incorporated the use of Blue SM Board insulation placed behind the retaining wall panels to further reduce the backfill zone volume.

Specific project challenges included site access due to soft soils and seasonal temperatures during the installation process.

Unique project details included the use of colour coated concrete earth retaining panels to blend into the natural surrounding environment and give a neutral look to the walls. This project was a success in that both the client and residents were pleased with the look of the walls and the minimal construction time.

For more information on this project or how Durisol can help with your next project, please contact us directly.



Durisol® is the market leader in the noise barrier wall industry. We manufacture and supply a series of unique panel and post wall systems – including our Durisol® precast sound absorption panels and transparent ACRYLITE™ Soundstop sheets, as well as narrow footprint retaining walls and fire-rated barriers. Our first noise barriers were installed in Canada in 1977 and in the US in 1986 and are all still in service today. With over 40+ million square feet of wall installed to date, Durisol® noise barriers stop the noise of industrial warehouses, utility enclosure sites and urban infrastructure of all kinds right across North America.

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