

Galaxy Boulevard Office Toronto, Ontario

| Challenge

Approximately one third to one half of the two-storey office building footprint contained *poor* soils consisting of 0.8 m to 5.3 m of clayey and sandy random fill with organic inclusions. The remaining building had *good* soil consisting of competent glacial till. Caissons were far too costly and remove-replace had significant logistical challenges.



| Solution

Of the alternatives considered, the Geopier GP3® system provided the most value and benefit for the project, supporting footings and slab in the fill areas and providing a “matched support” to the remaining portion of the building which had its slab and spread footings founded on native soils.

This attractive and efficient office space was completed in 2015 and is conveniently located near Pearson Airport

| Outcome

Implementing the GP3® system saved significant money and allowed for savings as compared to massive overexcavation and replacement – all prior to foundation permits.

Project Team

Owner/GC

Gottardo Group of Companies

Structural Engineer

Leonard Kalishenko & Associates

Geotechnical Consultant

Peto MacCallum

Ground Improvement - Rigid Inclusions - Piling Systems - Slope Stability - Ground Reinforcement

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