



Ross Memorial Hospital Lindsay, Ontario

Construction of this important new hospital addition was completed rapidly using the Geopier GP3®

Project Team

Geotechnical Engineer
Geo-Logic Inc.

Structural Engineer
Stantec Consulting Ltd.

General Contractor
Bondfield Construction

The Ground Improvement People™

Challenge

A dialysis unit was to be added as a new wing on the main hospital. Construction noise and vibration were of major concern due to patients and very sensitive equipment. The subsurface profile consisted of 1 to 6.5 m of mixed fill with thick peat and organic layers evident in several borehole logs. The fill and peat were underlain by a competent sandy silt till.

Solution

The Geopier® GP3® system was used to successfully reinforce the subsoils for the slab of the new hospital addition. The system was used to avoid massive overexcavation and replacement of up to 6 m of earth fill containing organics and a high-water table.

Outcome

The Geopier system provided the team with flexibility on future sub-slab utility alterations, by allowing for an unreinforced slab on-grade and avoiding a costly caisson supported structural slab. The project was completed without significant vibration or noise and hospital operations were not disrupted by the Geopier system installation

Contact The Ground Improvement People®
(905) 266-2599 or
Email us at solutions@geosolv.ca

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