

# DYREGROV ROBINSON INC.

Consulting Geotechnical Engineers

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Project: 153919

City of Winnipeg  
Third Floor – 65 Gary Street  
Winnipeg, MB  
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Attn: Iain Currie, Project Officer

**RE: Windsor Park Library – 1201 Archibald Street  
Foot Bridge – Helical Screw Pile Foundations**

We understand that a foot bridge will be constructed across a natural drainage feature to connect the Boni-Vital Pool parking lot to the new library site. The foot bridge was not known about when the geotechnical investigation was completed for the new library. The closest test hole drilled to the bridge location is Test Hole 5 (refer to the geotechnical report dated December 2015). We understand that helical screw piles are being considered by the structural engineer to support the bridge.

Helical screw piles can be considered to support the foot bridge. The pile supplier should determine the screw pile configuration to support the loads and provide a sealed shop drawing, with pile capacity calculations, for review. The test hole information provided in the geotechnical report for this project can be used by the pile supplier but recognizing that no test holes were drilled at the location of the bridge. The subsurface conditions at the bridge site may vary from those encountered in the test holes drilled for the library project. Load testing of the helical screw piles could be considered to confirm the pile capacity meets the design requirements.

Please contact us if we can be of further assistance.

Sincerely,

**DYREGROV ROBINSON INC.**



Gil Robinson, M.Sc., P.Eng.  
President, Senior Geotechnical Engineer

xc: Jon Reid, Wolfrom Engineering

