



NORTHERN TECHNOLOGIES, INC.

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October 4, 2011

Leo A. Daly
730 Second Avenue South
Suite, 1100
Minneapolis, Minnesota 55402-2454

Attn: Ms. Joy Beers

Subject: Addendum #1
Geotechnical Exploration and Engineering Review
VA Medical Center Parking Ramp
Minneapolis, Minnesota
NTI Project No. 11.50534.100

Dear Ms. Beer,

Through conversations with you, we understand that the owner wished to utilize the Impact® System from Ground Improvement Engineering for support of the Parking Ramp. Mr. Charles Allgood with Ground Improvement Engineering was consulted to provide a recommended allowable soil bearing capacity for using in foundation design. After reinforcement with the Impact system, the foundations may be designed as conventional spread footings, sized for an allowable soil bearing pressure of 5,500 pounds per square foot.

For this type of construction, we recommend extending the footings for at-grade footing construction to no less 5 feet below outside grade.

This geotechnical report addendum has been prepared for the exclusive use of Leo A. Daly and its agents for specific application to the proposed VA Medical Center Parking Ramp in Minneapolis, MN. The conclusions in this report represent our professional opinions, based on our interpretation of the site conditions and information provided to us by others. These opinions were arrived at in accordance with currently accepted engineering practices at this time and location. Unless amended herein, all other recommendations in our report issued on March 28, 2011 apply. Other than this, no warranty is implied or intended.



Northern Technologies, Inc.

Anthony Francis, P.E.
Project Engineer

Stephen Johnston, P.E.
Principal Engineer

