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July 27, 2009

Mr. Jeff West
Marx Construction Company
20 Gurley Avenue
Troy, New York

Re: DeLait's Landing
Liquefaction Analysis
Rensselaer, New York
File No: FDE-08-182

Dear Mr. West:

As stated in our Geotechnical Report prepared for the Phase 1 area of your site, we conducted an analysis to determine the susceptibility of the site soils to liquefaction during a seismic event, and found this potential to be low for the design seismic event. We have attached a graphic display of the results which show an adequate factor of safety against liquefaction. While liquefaction should not occur, the ground shaking could induce settlements of less than about 1/4 inch, which is considered well within tolerable magnitudes. It is our opinion that pile driving and ground densification techniques, while inducing ground vibrations, should again not result in liquefaction of the site soils of any significance.

We appreciate the opportunity to be of service. Should questions arise or if we may be of any other service, please contact us at your convenience.

Yours truly,
Dente Engineering, P.C.

A handwritten signature in black ink, appearing to read "Fred A. Dente", written in a cursive style.

Fred A. Dente, P.E.
President

Attachments:

c: Mr. Nick Schwartz @ CHA

LIQUEFACTION ANALYSIS

Rensselaer

Hole No.=B-11 Water Depth=20 ft Surface Elev.=23

Magnitude=6
Acceleration=0.1g

