

Exhibit A



FRANK H. LEHR ASSOCIATES

A NJ Corporation – Certificate of Authorization No 24GA27950400
CONSULTING CIVIL ENGINEERS

November 5, 2021
Revised December 2, 2021

Township of West Orange
25 Lakeside Drive
West Orange, NJ 07052

Attn: Leonard Lepore, PE

RE: Proposal for Engineering Services
Rock Slope General Evaluation
275 to 307 Northfield Avenue &
1 Benvenue Avenue
West Orange, New Jersey

Dear Mr. Lepore:

In accordance with your request, we are pleased to submit this proposal for Engineering services for the referenced project.

We understand that a geologic evaluation of the rock slope located north of Northfield Avenue between Benvenue Avenue and the Apartment Complex located at 275 Northfield Avenue is desired. The rock slope is to be evaluated for general geologic conditions potentially impacting the long-term stability of the rock face.

Based on initial data review, this slope is approximately 725 feet long and ranges in height from 5 to approximately 80 feet. The slope is heavily vegetated and access is limited. Direct measurements will be limited to areas that can be safely reached from the toe of the existing rock face.

We propose to conduct a visual inspection in conjunction with Pennoni Associates. A team of Engineers and Geologists will perform a subjective evaluation and gather photo documentation of potential rockfall hazards along the existing rock face. We will visually examine the geologic conditions of the current rock face for conditions associated with potential planar, wedge, block, toppling, and raveling failures. We will note areas of water seepage. Will also observe the top of the slope for signs of subsidence and other movement.

We will collect rock discontinuity plane data along the toe of the slope using a Brunton Compass, or equivalent. Measurements of dip and dip direction (arrangement and orientation of discontinuity planes) will be collected at discrete locations as determined by us. Due to the steepness of the existing rock face, direct measurements will be limited to areas that can be accessed safely (as determined by team in the field) from the toe of the slope.



We will perform a stereographic and kinematic (movement type and direction) analysis of the discontinuity data collected to evaluate the geologic conditions described earlier. The stereographic projection technique (stereonet) permits three-dimensional data to be analyzed in 2 dimensions. Kinematic analysis methods will be used to assess potential slope failure modes and direction, where identified.

Based on our limited assessment described above, we will prepare a report that summarizes our observations and findings including:

- general geologic conditions
- visually identifiable unfavorable geologic conditions along the existing rock face
- feasible methods and options to stabilize/mitigate unfavorable slope conditions, if observed

At 275 Northfield Avenue, we will conduct visual inspections as above. We note that analysis of the failed slope region will require additional investigation including preparation of a High Definition 3D Laser Scan, Stereographic and Kinematic Analysis. Extended investigation is not included at this time.

Fees:

All of the above will be accomplished for a fixed fee of Sixteen Thousand Dollars (\$16,000.00) plus any out-of-pocket expenses.

All out of pocket expenses (e.g. overnight shipping charges, reproductions, ordinances, photographs, etc.) will be billed at cost plus 10 percent. All filing fees, application fees, permit fees, etc. are excluded from our fee and must be paid directly by others.

Invoices will be issued on a net receipt basis and payment of invoices must be made no later than 30 days after receipt of our invoice. We reserve the right to suspend or terminate work in an invoice is not paid after 60 days.

We will invoice you periodically during the course of the work based on percent complete.

In order for us to perform our work, it will be necessary for the Township to arrange access to the properties in question.

We note that this proposal is for investigation only, and does not include design of remedial measures. We also note that our observations will be heavily limited by access, vegetation and ground cover.

This proposal is valid for 60 days from the issue date and assumes a total project duration less than 1 year.



Please note that the enclosed Scope and Costs are based on circumstances existing on the date of this proposal. If circumstances change the scope of services presented, we require an opportunity to revise affected portions of our proposal so that your process receives the greatest benefit.

Engineering and surveying services shall be performed within the limits of this proposal and subsequent amendments thereto, and in a manner consistent with the level of care and skill ordinarily exercised by comparable professional firms under similar circumstances at the time the services are performed. In the event of a dispute, this contract shall be governed by the laws of the State of New Jersey and any legal action shall be venued within the State of New Jersey.

Cost estimates if issued, will be prepared based on market costs at the time of the estimate and are subject to escalation due to market forces, inflation and geo-political events.

We appreciate the opportunity of submitting this proposal to you for your consideration and look forward to working with you again on this project.

Very truly yours,

Frank H. Lehr Associates
A New Jersey Corporation

Louis G. Adelsohn

Louis G. Adelsohn, PE
President