February 08, 2019

[Firm Name]
[Firm Address]

Re: Request for Proposal for Geotechnical Investigation and Report
New Superior Township Branch Library – Ypsilanti District Library
Ypsilanti, Michigan

Dear [Firm Contact]:

On behalf of the Ypsilanti District Library, we invite you to respond to this request for proposal for providing a Geotechnical Investigation and Report for the New Superior Township Branch Library. The site consists of an approximate 12-acre undeveloped parcel, located along North Harris Road, north of MacArthur Boulevard.

The Library is seeking a geotechnical investigation for use in the development of the building and site design. The attached sketches represent the proposed conceptual design for this site.

Enclosed please find a draft conceptual site plan with a suggested preliminary soil boring layout indicated. Based on initial discussions, boring depths are assumed as follows, as needed to be a depth consistent with local conditions and standard practice, or as determined by geotechnical or structural consultants:

- At locations SB1, SB2, SB3, SB4, and SB5, within the building footprint, extend to a depth of 30 feet.
- At locations SB6, SB7, and SB8, in the area of a parking lot, extend to a depth of 15 feet. Contingent on the results of the initial borings, and at geotechnical consultant's discretion, SB6, SB7, and SB8 may also require infiltration testing, with testing depth to be determined by geotechnical consultant based on encountered soil conditions deemed most suitable for infiltration, but assumed minimum depth of 5’ below existing grade for potential underground storm detention/retention. Infiltration testing will also be required at the location of the proposed storm water detention basin (IT1), with testing depth and location to be determined by geotechnical consultant based on encountered soil conditions deemed most suitable for infiltration. Infiltration testing is to be per Washtenaw County Water Resources Commissioner requirements and procedures. Also enclosed, please find the preliminary site survey for your information and use in preparing your proposal.

Report shall include Geotechnical Engineer recommendations for:

- Support of the proposed building and its foundations and slabs, including allowable bearing pressures, and anticipated long-term and short-term and differential settlement.
- Design of foundations to resist lateral forces (earth, wind, seismic, etc.) including passive and active lateral design pressures, sliding resistance values for cohesion and friction
- Subgrade modulus and seismic site classification.
- Undercut and fill for any unsuitable native soils
• Standard Duty HMA Pavements
• Heavy Duty HMA Pavements
• Standard Duty Concrete Pavements (pedestrian)
• Heavy Duty Concrete Pavements (service vehicles)
• Infiltration rates for stormwater management design

Please provide a proposal for providing a Geotechnical Investigation and Report for building and site design purposes. Please provide your recommendations, if different from those indicated, for final soil boring and infiltration testing locations, number of borings, depth of investigation, and associated sampling and testing as required in order to provide the library with sufficient recommendations as to site and subsurface condition suitability for the proposed project. Please include the scope of your proposed investigation, all costs and anticipated schedule to complete the report.

The New Superior Township Branch Library project scope is anticipated to be a 7,800 square foot, one story building with slab on grade first floor construction. Floor loading will accommodate 150 psf library stack loading. Floor loads due to compact shelving is not anticipated at this time. Parking areas should accommodate normal traffic loads including potential school bus and/or waste management vehicle loading. Main drive lanes should also accommodate semi-truck traffic.

Please return your proposal via email to Daniels and Zermack Architects (dwhisler@danielsandzermack.com and kkerwan@danielsandzermack.com), addressed to:

Ms. Lisa Hoenig, Director
Ypsilanti District Library
5577 Whittaker Road
Ypsilanti, MI 48197

The Library will contract directly with the Geotechnical Engineering firm selected to provide the services requested.

Please respond on or before Monday, February 18, 2019. Please contact our office if you have any questions regarding this request.

Very Truly Yours,

Daniels and Zermack Architects

Daniel E. Whisler, AIA, LEED AP BD+C
Principal

Attachments: Conceptual Site Plan w/ Suggested Preliminary Soil Boring Locations
Site Survey