



February 13, 2018

Response to Geotechnical Review Comments

To: **Mark Fraser**
Project Manager Infrastructure Approvals
Planning Infrastructure & Economic Development

Re: **351 Croydon, Avenue.**

The following Geotechnical Review Comments from the City of Ottawa were forwarded to Kollaard Associates Inc by Urban Structure Properties Ltd. Kollaard Associates Inc. response is provided in italics immediately following each comment for clarity.

Geotechnical Investigation,

1. Please note that Kollaard Associates is required to submit a separate letter sealed by a professional engineer in the Province of Ontario to the City of Ottawa signing off on the Final Grading Plan prepared by T.L. Mak Engineering to verify that Kollaard Associates has reviewed the proposed grading and accepts that the grading is in conformance with the recommendations of the Geotechnical Investigation.

Please see attached letter.

2. Are there any Tree Planting Restrictions applicable for the subject site as trees are being proposed at the front of the property?

The subsurface soils at the site consisted of fill materials overlying glacial till followed by bedrock. The glacial till materials are compact to dense and have a clay content of less than 20%. Compact to dense Glacial Till materials with a low clay content are generally not considered to be vulnerable to shrinkage due to moisture depletion. In order to ensure that the proposed tree planting do not have a negative potential impact on the proposed building, any tree plantings should consist of trees with low water demand.

3. The soil resistivity results indicate that the soil is highly corrosive. Are there any special considerations that should be identified to the manufacturer for the proposed concrete drainage structures?

The geotechnical report should be provided to the manufacturer of the pre-cast concrete drainage structures. The manufacturer of the structures can assess the factual information contained within the report and design their concrete mix and structures accordingly.



We trust that this response provides sufficient information for your present purposes. If you have any questions concerning this response or if we can be of any further assistance to you on this project, please do not hesitate to contact our office.

Sincerely,



Steven deWit, P.Eng.
Kollaard Associates Inc