

Client: David Schaeffer Engineering Ltd. (DSEL) c/o The Conservatory Group

Address: 90 Tiverton Ct, Markham, ON L3R 9V2

**Re: Soil Management Plan (SMP)
Proposed Subdivision Development
East Side of Credit River, 1200 Old Derry Road, Mississauga, Ontario**

Dear Sirs,

GeoPro Consulting Limited (“GeoPro”) was retained by David Schaeffer Engineering Ltd. (DSEL) c/o The Conservatory Group (the “Client”) to conduct a geotechnical investigation for the captioned project. The results of the geotechnical investigation were summarized in a separate report.

This Soil Management Plan (“SMP”) has been prepared in compliance with Ontario Regulation 153/04 as well as the common practice in Southern Ontario with reference to Management of Excess Soil – A Guide for Best Management Practices. This letter report should be read in conjunction with our geotechnical report.

Proposed Development

Based on the preliminary development concept, it is understood that importation of fills to raise the grade is considered for the proposed subdivision development.

Roles of the Qualified Persons

A qualified person (QP) familiar with geotechnical testing for material type and compaction/gradation etc. will be on-site during the works to monitor the fill placement, grading and compaction operations. During the work, the qualified person will alert any deviations from the design requirements. Should materials not be suitable for reuse on the project site, the qualified person will advise that the material shall be disposed off-site.

In terms of environmental consideration, should any signs of contaminations be encountered during fill placement, a QP (ESA) should be retained by the contractor to evaluate if materials are suitable for use on site.

Baseline Site Conditions

A generalized description of the subsurface conditions encountered in the boreholes is provided below. A copy of Borehole Logs in the geotechnical report provides detailed descriptions of the

soil conditions at the specific drilled locations, and must be used in preference to these generalized descriptions. It should be recognized that soil conditions may vary between and beyond borehole locations, especially for the fill materials due to its heterogeneous nature.

Surface Condition

The property at 1200 Old Derry Road is divided into west and east portion by Credit River, and the subject site is located in the east portion of the property at 1200 Old Derry Road.

Sub-Surface Condition

The subsurface stratigraphy encountered in the boreholes advanced by GeoPro at the subject site typically comprises of reworked soils or fill materials below topsoil or pavement structures, underlain by till deposits with zones of cohesionless soils textured from silt to gravel, and cohesive clayey silt and silty clay. Fill materials consisting of fine sandy silt, sand and silt, gravelly sand and sand and gravel were encountered below the topsoil or granular base/subbase in boreholes BH14 to BH22, and extended to depths ranging from about 0.8 to 2.1 meters below the existing ground surface (“mBGS”).

More detailed descriptions of the individual strata encountered during the field investigation are provided in the geotechnical report.

Health and Safety Plan

The contractor will be required to submit a project specific health and safety plan to address necessary construction works. The health and safety plan shall include provisions for management of excess materials in conformance to the requirements of the contract documents, MECP requirements and the reference of Management of Excess Soil – A Guide for Best Management Practices. This will also include a discussion of traffic and staging plans for vehicles carrying soil and granular materials.

Importation of Soil

All soil materials imported to the project will conform to OPSS requirements. The contractor shall supply the Project Manager (“PM”), in advance, with material and chemical testing information, where applicable, indicating that the material will be suitable for use on site.

Inspections and Record Keeping

Daily diaries and weekly work records will be maintained during the construction operation by inspection personnel assigned to the project. Standard procedures applicable to captioned project will be followed. These standard procedures are outlined in the Management of Excess Soil – A Guide for Best Management Practices prepared by the MECP, and include the following:

- Once the assessment has been undertaken to demonstrate the site is suitable to receive excess soil, the QP should prepare a Fill Management Plan, which outlines the overall condition and operation of the Receiving Site and should include a record keeping system to create and store written documentation to track each incoming load of excess soil including records of:
 - date and time of arrival of the load to the Receiving Site;
 - name and location of the Source Site;
 - volume of excess soil received;
 - documentation from the Source Site signed by a QP, including soil analytical results for incoming loads;
 - confirmation by the Receiving Site QP acknowledging that the incoming excess soil is acceptable for receipt at the site;
 - rejections of any loads of soil due to visual inspection or review of analytical results; and
 - documentation to the Source Site owner/operator and QP, once excess soil is received, confirming the soil was received and the type, quality and quantity was appropriate.

- For the purpose of any record-keeping mentioned in this document, it is recommended that records be retained for a minimum of 7 years after the completion of all excess soil management activities or the removal of all excess soil from a Temporary Soil Storage Site.

We trust the information presented in this report is sufficient for your present purposes. If you have any questions, please do not hesitate to contact our office.

Yours Truly,

GeoPro Consulting Limited

Geotechnical - Hydrogeology - Environmental - Materials Testing – Inspection

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Kaiying Qiu, M.Sc.

Assistant Project Manager

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