

CLIENT: Di Poce Management Limited

**Re: Supplementary Geotechnical Comments
for Infiltration Bed Material of Proposed Pond
Proposed Residential Developments
County Road 27, Barrie, Ontario**

Dear Sirs,

GeoPro Consulting Limited (GeoPro) was retained by Di Poce Management Limited (the Client) to conduct a geotechnical investigation for the proposed residential developments located on the east side of County Road 27, west of Essa Road and north of Salem Road, City of Barrie, Ontario. The purpose of this geotechnical investigation was to obtain information on the existing subsurface conditions by means of a limited number of boreholes and/or test pits, in-situ tests and laboratory tests of soil samples to provide required geotechnical design information. Based on GeoPro's interpretation of the data obtained, geotechnical comments and recommendations related to the project designs are provided.

This report is provided on the basis of the terms of reference presented in our approved proposal prepared based on our understanding of the project. This report has been prepared for the Client and Client's engineers. Third party use of this report without GeoPro's consent is prohibited. The limitations to the report presented in this report form an integral part of the report and they must be considered in conjunction with this report.

The field work for the geotechnical investigation was carried out on April 23 to 26, 30 and May 1, 2, 2018 during which time twenty-six (26) boreholes (Boreholes BH1 to BH26) were advanced at the site. The results of the geotechnical investigation were summarized in a report dated October 31, 2019.

GeoPro has been requested by the Client to comment on the infiltration bed material in the SWMP at the above referenced site. Based on the SWMP design information provided by the Client's engineer in the email dated at October 29, 2019, the infiltration bed is at Elevation 292.2 m. The designed water level for 12.5 mm and 25 mm daily rainfall is at Elevation 292.61 m and 293.10 m, respectively. The designed water level for 100 years storm event is at Elevation 294.5 m. Based on the geotechnical information in this area, the soils at the level of infiltration bed will generally consist of reworked soils and loose to compact sand and silt to silty sand.

Due to the gradation of the soils, the compact nature soils are unlikely to consolidate due to the minor varying seasonal water levels in the pond. However, the existing reworked soils and loose

native soils should be completely removed and replaced with engineered fill, that has the higher infiltration rate than the existing native soils.

We trust that this report provides sufficient geotechnical engineering information to meet the requirements of the terms of reference. If you have any questions regarding the contents of this report or require additional information, please do not hesitate to contact this office.

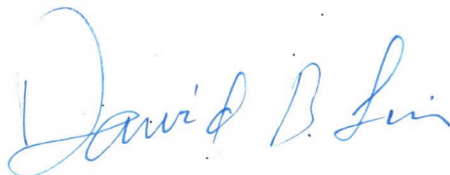
Yours Truly,

GeoPro Consulting Limited

Geotechnical - Hydrogeology - Environmental - Materials Testing - Inspection



Dylan Q. Xiao, M.A.Sc., P.Eng.
Geotechnical Group



David B. Liu, P.Eng., Principal

This report is intended solely for the Client named. The report is prepared based on the work has been undertaken in accordance with normally accepted geotechnical engineering practices in Ontario.

The comments and recommendations given in this report are based on information determined at the limited number of the test hole and test pit locations. The boundaries between the various strata as shown on the borehole logs are based on non-continuous sampling and represent an inferred transition between the various strata and their lateral continuation rather than a precise plane of geological change. Subsurface and groundwater conditions between and beyond the test holes and test pits may differ significantly from those encountered at the test hole and test pit locations. The benchmark and elevations used in this report are primarily to establish relative elevation differences between the test hole and test pit locations and should not be used for other purposes, such as grading, excavating, planning, development, etc.

The report reflects our best judgment based on the information available to GeoPro Consulting Limited at the time of preparation. Unless otherwise agreed in writing by GeoPro Consulting Limited, it shall not be used to express or imply warranty as to any other purposes. No portion of this report shall be used as a separate entity, it is written to be read in its entirety. The information contained herein in no way reflects on the environment aspects of the project, unless otherwise stated. If there are any changes in the design features relevant to the geotechnical analyses, or if any questions arise concerning the geotechnical aspects of the codes and standards, this office should be contacted to review the design. It may then be necessary to carry out additional borings and reporting before the recommendations of this report can be relied upon. The design recommendations given in this report are applicable only to the project designed and constructed completely in accordance with the details stated in this report. Otherwise, our responsibility is limited to interpreting the subsurface information at the borehole or test pit locations.

The report is prepared with the condition that the design will be in accordance with all applicable standards and codes, regulations of authorities having jurisdiction, and good engineering practice. Further, the recommendations and opinions in this report are applicable only to the proposed project as described above. On-going liaison and communication with GeoPro during the design stage and construction phases of the project is strongly recommended to confirm that the recommendations in this report are applicable and/or correctly interpreted and implemented. Also, any queries concerning the geotechnical aspects of the proposed project shall be directed to GeoPro for further elaboration and/or clarification.

The site investigation and recommendations follow generally accepted practice for geotechnical and geo-environmental consultants in Ontario. Laboratory testing for most part follows ASTM or CSA Standards or modifications of these standards that have become standard practice in Ontario.

Should any comments and recommendations provided in this report be made on any construction related issues, they are intended only for the guidance of the designers. The number of test holes and test pits may not be sufficient to determine all the factors that may affect construction activities, methods and costs. Such as, the thickness of surficial topsoil or fill layers may vary significantly and unpredictably; the amount of the cobbles and boulders may vary significantly than what described in the report; unexpected water bearing zones/layers with various thickness and extent may be encountered in the fill and native soils. The contractors bidding on this project or undertaking the construction should, therefore, make their own interpretation of the factual information presented and make their own conclusions as to how the subsurface conditions may affect their work and determine the proper construction methods.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. GeoPro Consulting Limited accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

We accept no responsibility for any decisions made or actions taken as a result of this report unless we are specifically advised of and participate in such action, in which case our responsibility will be as agreed to at that time.