



**Terraprobe**  
Consulting Geotechnical & Environmental Engineering  
Construction Materials Inspection & Testing

April 15, 2013

File No. 32-12-8017

Pratt Development Inc.  
27 Clapperton Street, Suite 300  
Barrie, ON  
L4M 3E6

Attention: Mr. Hugh Johnston  
Email: [hjohnston@prattdevelopment.ca](mailto:hjohnston@prattdevelopment.ca)

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**RE: ARDAGH BLUFFS  
FOUNDATION INSPECTIONS LOTS 5 AND 6 TROTTER COURT  
BARRIE, ON**

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Dear Sir,

Terraprobe is pleased to provide the details of four site visit on April 11, 2013. The purpose of the visit was to inspect the founding subsoil for the residences on Lots 5 and 6 Trotter Court.

At the time of the inspection the excavations for the foundations were noted to be free of groundwater. The prepared founding surfaces were manually probed with a metal inspection tool. The founding soil was visually identified to be as follows:

Lot #5            Brown sandy silt, previously placed engineered fill over a brown sand trace gravel  
Lot #6            Brown sandy silt, previously placed engineered fill

Terraprobe is of the opinion that the founding soil at the elevations noted on the appended Foundation Inspection Reports is capable of supporting the design bearing pressure of 150kPa (SL<sub>S</sub>).

Please be advised that all loose surficial material is to be hand cleaned from the footing bases prior to concrete placement. Also, adequate frost protection must be provided during cold weather conditions.

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**Terraprobe Inc.**

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Terraprobe recommends the placement of 2-15M continuous reinforcing steel bars at the top and bottom of the foundation walls for houses founded on engineered fill. If there are any spread footings for jack post columns, 4-15M rebar placed each way in the bottom of the footing is also recommended.

The site representative for the Jones Consulting Group was advised of the inspection details during the course of the field work.

Please do not hesitate to contact the undersigned should you have any queries concerning this report.

Yours truly,

**Terraprobe Inc.**



Brian H Jackson  
Director  
Barrie Branch Manager

BHJ:sm

cc: The Jones Consulting Group  
Attention: Mr. Duncan Richardson, P.Eng.  
Email: [drichardson@jonesconsulting.com](mailto:drichardson@jonesconsulting.com)





**Terraprobe**  
Consulting Geotechnical Engineers & Hydrogeologists  
Construction & Materials Inspection & Testing

## FOUNDATION INSPECTION REPORT

<b>PROJECT INFORMATION</b>		<b>FILE NO.:</b> 32-12-8017	
<b>PROJECT:</b>	Ardaugh Bluffs	<b>DATE:</b>	April 11, 2013
<b>LOCATION:</b>	Barrie, ON	<b>INSPECTOR:</b>	Barry Reid
<b>CLIENT:</b>	Pratt Development Inc.	<b>WEATHER:</b>	-2°C
<b>CONTRACTOR:</b>	Pratt Development Inc.	<b>FOREMAN:</b>	
<b>AREA(S) INSPECTED</b> Lot #6 Trotter Court		Footings: Formed <input type="checkbox"/> / Not Formed <input type="checkbox"/>	
<b>EXCAVATION DEPTH, WIDTH</b> Approximately 1.4 m below existing grade			
<b>SOIL STRATIGRAPHY</b> <u>Fill:</u> Brown sandy silt <u>Native:</u>			
<b>GROUND WATER CONDITIONS</b>			
<b>SKETCH</b>		<b>DESIGN DRAWINGS</b> BY: (arch., engr.) Jones Consulting DWG Nos., DATE: 51M-993 February 2013 <b>DESIGN FOUNDATION ELEVATION(S)</b> USF front 241.79 m, rear 241.79 m, garage 242.65 m <b>DESIGN BEARING PRESSURE</b> 150kPa (SLs) <b>DESIGN FOUNDATION SIZE</b> 0.5 m x 0.15 m <b>GEOTECHNICAL REPORT INFORMATION</b> Terraprobe Inc.	
<b>NOTES / ACTION TAKEN / RECOMMENDATIONS GIVEN</b> The exposed engineered fill material is capable of supporting the design bearing pressure. All loose surficial material is to be hand cleaned prior to concrete placement. Two 15M continuous rebar is recommended for the top and bottom locations of the foundation wall as shown on Figure 1 by Terraprobe Inc.			
Foundation Subgrade Elevation Not Surveyed By Terraprobe      Horizontal Position of Foundation Subgrade Not Surveyed By Terraprobe July 08 <b>RESULTS REPORTED TO</b>			