

Site Memorandum

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www.patersongroup.ca

Falsetto Homes DATE: Sep 13.2017 7:34:40 AM FILE: PM10455 TO:

PROJECT: New Construction

ADDRESS: 574 - 576 Byron Avenue, Ottawa LOCATION: Bearing medium evaluation

AUTHOR: Randy Elliott

Note: If any recommendations provided by the Paterson Group result in an additional cost, the contractor shall obtain authorization from the owner directly, prior to undertaking the work.

COMMENTS:

As requested a site visit was made to observe the bearing medium of the civic numbers 574 to 576 Byron Ave..

Bearing medium: limestone bedrock

Allowable bearing pressure: 500 Kpa (bedrock)

The engineer letter dated July 11, 2017 calls for 120 Kpa . The design plans appear to show some footings bearing on rigid foam.

A rigid foam type of High Load (Dow) 60 or Celfort Foamular 600 would be required for this bearing capacity.

The plans are being reviewed by our office for frost protection detail recommendations.

Other observations:

An old retaining wall exists at the rear east corner and is at a higher elevation than the current excavation for this new structure.

The excavation was made right up to the base of this rock slab wall (a part of it being mortared together).

The wall appears to be in poor condition and a safety hazard as it could fall over into the excavation. It would be recommended to:

- consult a structural engineer regarding temporary support to it or if it can be removed as long as it does not support the existing adjacent house.

RANDY ELLIOTT

September 13, 2017 PM10455



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