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| TO: | York Water District, Town of York | DATE: | 7/26/2018 |
| FROM: | Jonathan Edgerton, PE | PROJECT NO.: | 14139A |
| SUBJECT: | Mount Agamenticus – Parking and Restrooms Project Test Pit Results (July 25, 2018) | | |

On Wednesday, July 25, 2018, I met with staff of the York Water District to conduct several test pits to gain a better understanding of subsurface conditions at the two locations where parking and restroom improvements are proposed (base and summit of Mount Agamenticus). A total of seven (7) test pits were excavated.

The work was initiated at about 9:00 AM and concluded at about 11:15 AM. The weather was generally warm and humid, with no precipitation.

Representing the York Water District were: Webster Ropke and Tony Yorke. The York Parks and Rec Department also had staff on site addressing the potential presence of hikers in the vicinity of the work area.

Attached are maps showing the approximate locations of the test pits.

Observations of the excavation conditions are summarized as follows, and in the attached photographs.

Test Pit No. 1 (Base)

Soils: Thin layer of forest duff over sandy loam and then fine yellow sand. Some small rocks.

Test pit terminated at 30" – 32" at apparent bedrock (gently sloping sound granite)

Test Pit No. 2 (Base)

Soils: Thin layer of forest duff over sandy loam with numerous rocks and cobbles.

Test pit terminated at 56" in rock and cobbles (not refusal)

Test Pit No. 3 (Base)

Soils: Thin layer of forest duff over loamy sand with some rocks and cobbles.

Test pit terminated at 24" - 30" at apparent bedrock (gently sloping sound granite)

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Test Pit No. 4 (Base)

Soils: Thin layer of forest duff over sandy loam and then fine yellow sand. Some rocks.

Test pit terminated at 20" - 24" at apparent bedrock (gently sloping sound granite)

Test Pit No. 5 (Summit)

Soils: Approx. 5" layer of topsoil over sandy loam and sand. Presumed fill materials.

Encountered abandoned 1" steel conduit containing wires with deteriorated cloth insulation.

Test pit terminated at 22" at apparent bedrock (gently sloping sound granite)

Test Pit No. 6 (Summit)

Soils: Approx. 4" layer of topsoil over ledge.

Test pit terminated at 4" - 5" at apparent bedrock (gently sloping sound granite)

Test Pit No. 7 (Summit)

Soils: Approx. 8" layer of dark gravel over loamy sand and then a very rocky mix of sand and angular granite pieces (presumed fill materials).

Test pit terminated at 44" in rock and cobbles (not refusal)