



21-January-2020

Stephanie Salloum
Planning & Development
Halifax Regional Municipality
40 Alderney Drive
Dartmouth, NS, B2Y 2N5

Subject: Windgate Development
Client Ref.: Case Number 20110

Dear Ms. Salloum:

In response to your letter dated October 21, 2019, we are pleased to submit the following information for your consideration. For your convenience, we include a copy of your request below.

Please confirm by submitting a letter from a Professional Engineer that the proposed on-site septic systems can be designed and constructed to meet NS Environment requirements and can service the proposed density. This information is required to satisfy Policy S-15 (d) of the Regional Plan.

WSP completed a machine dug test pit per NSE guidelines within each WWTP location shown on the plan: *Classic Open Space Concept Plan, version 4.9*. The test pits were completed on May 17, 2019. All test pits except one showed very similar soil profiles consisting of a top organic layer, an underlying silty sand layer following by a thick layer of silty clay. None of the test pits reached the water table or bedrock.

The one exception at WWTP #6 showed an extended lens layer of silty sand. This plant location will have to be moved slightly to accommodate an unacceptable slope but based upon the other test pits we are confident that the soil structure at the WWTP location shown on the plan will be similar to the other test pits.

We have sized the treatment plant areas shown on the plan: *Classic Open Space Concept Plan, version 4.9*, based upon the population type and density, soil type and allowances for setbacks, tankage and structures. Based upon this, each on-site wastewater facility will be able to be designed and constructed to meet NS Environment requirements.

If you require additional information or have any questions, please feel free to contact me directly.

Yours sincerely,

Original Signed

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cc: File