

September 10, 2014

Mr Amir Motlagh
201 Berry Street, SE
Vienna, VA 22180

Re: 4509 Foxhall Crescents

Sub: Feasibility Study

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2014 SEP 16 AM 8:42

Dear Mr. Motlagh,

Per your request, I have conducted a feasibility study on the development of Foxhall Crescents, Lot 960 (4509 Foxhall Crescents) in Washington, D C for construction of a single family house

As a professional civil engineer licensed to practice in Washington, D.C. (Lic. #PE905801), State of Maryland (Lic #22831), and Commonwealth of Virginia (Lic. #0402-19863), with more than 30 years of experience in civil, land development, and geo-technical engineering fields, I qualify to render my opinion and advise in various aspects of civil engineering and design, including but not limited to, storm-water management, hydrology and hydraulics, and earth movement

In regards to the adjoining lot owners' request for site drainage evaluation by a hydrologist, I have evaluated the site drainage patterns. In my professional opinion, the proposed improvements on lot 960 will result in the diversion of direct runoff onto lower lying parcels in Foxhall Crescents, thus improving the current conditions by collecting portions of the lot impervious surface by the infiltration facility and collecting the run-off from the roadway extension by the existing curb inlet located at the end of the existing travel way where it meets lot 960.

In regards to your inquiry about a geo-hydrology study, it is not necessary for the following reasons.

- Storm-water runoff from the parcel will be diverted to an adequate outfall point (storm sewer inlet or overland) away from the adjoining and the downstream houses.
- The proposed house on lot 960 will have a foundation drain system which will convey subsurface runoff to an adequate outfall
- Soil infiltration testing for the on-site water quality facility (infiltration trench) will be done by a geotechnical engineer or a soil scientist to determine the rate of subsoil infiltration for the design of the facility. Thus, in-situ soil properties will be determined.
- A geo-technical report was prepared and approved for the entire development at the time of original plan for the subdivision

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- To the best of my knowledge, there is no evidence of subsurface drainage problems in Foxhall Crescents.

Therefore, in my professional opinion, and based on the above facts, a hydro-geological evaluation is unnecessary.

Respectfully,



Kayvan Jaboori, P.E