



#311-22

SPRUHAN ENGINEERING

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July 12, 2022
City of Newton
Engineering Department
City Hall
1000 Commonwealth Avenue
Newton Centre, MA 02459

Re: 10 Elberta Terrace, Newton,
MA

To Whom it May Concern:

Please be advised that I, Edmond Spruhan, a Commonwealth of Massachusetts Registered Professional Engineer, Number 53316, performed a site visit to 232 Melrose Street, Newton, MA, as the property is experiencing erosion problems in the North East corner due to removal of a tree during the excavation at 10 Alberta Terrace back in 2018.

I have concluded that an adequate solution to the erosion problem is to propose a reinforced concrete retaining wall at 232 Melrose, parallel to the existing retaining wall and connect it to the proposed retaining wall located at the 10 Elberta Terrace as shown on the attached sketch.

This will provide the necessary support for the soil in that area and prevent the future erosion. I would also recommend that the engineer for the proposed retaining wall at 10 Elberta Terrace inspects the work which is already carried out to ensure it is adequate for the final heights of the wall (10' Approximately).

Also, at the rear of 232 Melrose Street there was soil removed by the builder of 10 Elberta Terrace and it was replaced with boulders which have significant gaps between, allowing erosion from the rear of 232 Melrose. It is my professional opinion that these gaps should be built up with some kind of retaining structure to allow the rear of 232 Melrose St an even back yard and prevent erosion. The approximate location of the boulders can be seen in the attached sketch.

Please do not hesitate to call with any questions.

Respectfully submitted,

Spruhan Engineering P.C.

Edmond Spruhan.

Edmond Spruhan, P.E.
(President)

