



July 5, 2022

Mirajuddin Ahmed
95 Edgewood Road
Westborough, MA

RE: 230 East Central Street – Franklin

Dear Mr. Ahmed,

Attached is the wall re-design for the retaining wall for your project on 230 East Central Street.

I contact Helical Drilling a renowned New England specialty geotechnical contractor to advise on the wall construction.

Attached are pictures of a couple soldier pile and lagging wall with permanent Shotcrete facing, that Helical Drilling built. Per Helical Drilling recommendation, given the dense glacial till they are looking to drill these with 9-5/8" Micropile casing and leaving the casing in place as the soldier pile. Then install temporary wood lagging as excavation commences. After bottom of excavation is reached an approximate 8" Shotcrete facing would be applied.



MF Engineering & Design Inc.
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Phone (508) 331-7261
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For the execution of the work, the excavator would provide a level platform graded on our side of the property, with the property staked the drill equipment can provide precise 9 5/8" holes every 8 feet located approximately 6 inches away from the property line. The drill casing will stay in place and will be filled with concrete for additional strength.

Prior to the excavation of the wall a fence will be installed to the top of piles, no access to the adjacent land is required to execute the work.

Once the fence is complete the wall construction will proceed by a combination of machine and hand excavation in between the piles to place the temporary wood lagging. The excavation is done one bay at time and deep not greater than 48 inches to prevent any cave in from the adjacent land. After the completion of the entire excavation a rebar mesh will be installed to the face of the wood lagging and the wall will receive an 8" shotcrete face.

If you have any questions do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Carlos Ferreira'.

Carlos Ferreira