

Clarren, Sarah

From: Renate Devin [rbdevin@comcast.net]
Sent: Friday, July 17, 2020 8:43 AM
To: Clarren, Sarah
Subject: Fwd: Stormwater Mitigation for 46 Summit Avenue

Good morning Sarah,

Can you please include the letter below from Cavanaro Consulting in the folder for our upcoming ZBA meeting, July 21 at 8:00? In the event any callers question water runoff, this can address those issues.

Thank you,

Renate Devin

Begin forwarded message:

From: John Cavanaro <JCavanaro@cavanaroconsulting.com>
Subject: Stormwater Mitigation
Date: July 16, 2020 at 11:55:30 AM EDT
To: "Renate Devin (rbdevin@comcast.net)" <rbdevin@comcast.net>

Hi Renate,

In response to your inquiry regarding potential stormwater mitigation for your new home on Summit Avenue in Hull based on your recent discussions with neighbors, we would recommend that you include dry wells sited at each downspout location that can capture the runoff from roofed surfaces and allow it to infiltrate into the ground rather than allow it to sheet flow offsite.

The underlying soils on Green Hill are typically compact glacial till that are not generally conducive to siting large infiltration systems, however breaking up the roof drainage into multiple catchment points into crushed stone dry wells will help to reduce the rate and volume of runoff downstream. This will help to mitigate an existing problem that you have been made aware that is a pre-existing condition based on testimony from your new neighbors, which is helpful for your future planning purposes.

Please don't hesitate to let us know if your builder will need any additional detail regarding this matter.

Best of luck moving forward.

John C. Cavanaro, P.E.
Managing Principal

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