

Karen Edwards

From: Michael Behrendt
Sent: Wednesday, May 12, 2021 11:29 AM
Subject: Gerrish Drive - follow up question on drainage *

To the Planning Board,
Please see the email from Mark Verostick of VHB in response to my question.

Michael Behrendt

Durham Town Planner
Town of Durham
8 Newmarket Road
Durham, NH 03824
(603) 868-8064
www.ci.durham.nh.us

From: Mark Verostick [mailto:MVerostick@VHB.com]
Sent: Wednesday, May 12, 2021 11:14 AM
To: Michael Behrendt
Cc: Richard Reine; April Talon; Mike Sievert (msievert@horizonsengineering.com)
Subject: RE: [External] Gerrish Drive - follow up question on drainage *

Hello Michael,

I'm happy to provide clarification. When I say "...it does not appear that...", I'm stating that my conclusions are based on the information I had available during my review and does not account for circumstances that are not presented, for example, if the plans change, or if the project isn't constructed in accordance with the plans and calculations I reviewed or if there are environmental factors such as beaver dams or issues with the abutters existing driveway culverts, etc. I can say that based on the information I reviewed, the project will not contribute to flooding issues to these abutters, but I do not want to mislead anyone by guaranteeing that there cannot be flooding issues in the future. I hope that helps to clarify my statement below.

Regards,
-Mark

Mark J. Verostick
Senior Project Engineer

P 603.391.3966

www.vhb.com

From: Michael Behrendt <mbehrendt@ci.durham.nh.us>

Sent: Wednesday, May 12, 2021 10:49 AM

To: Mark Verostick <MVerostick@VHB.com>

Cc: Richard Reine <rreine@ci.durham.nh.us>; April Talon <atalon@ci.durham.nh.us>; Mike Sievert (msievert@horizonsengineering.com) <msievert@horizonsengineering.com>

Subject: [External] Gerrish Drive - follow up question on drainage *

Hello Mark,

Your work for the Town on the Gerrish Drive subdivision is concluded. But one question arose and I hope that you would kindly respond to it. Please see the email chain below. Gail Kelley, the owner of Lot 6-10, questioned the way you phrased your statement, that it was not more definitive. Can you provide us more clarity about this issue? Thank you very much.

Michael Behrendt

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From: Michael Behrendt

Sent: Wednesday, May 12, 2021 10:35 AM

To: james@bubar.org

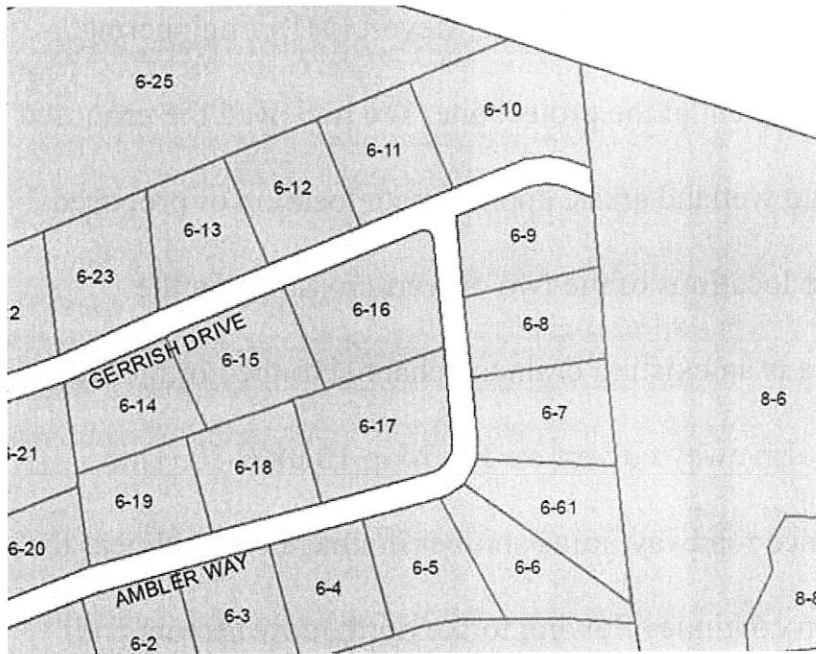
Subject: Gerrish Drive - question from James Bubar

Hello James (cc to Planning Board, applicant, and abutters),

In your email below you ask about potential for flooding on neighboring lots along Gerrish Drive and Ambler Way. We specifically asked Mark Verostick, the Town's consultant with VHB, to address this for the nearest lots: 6-9 (White), 6-10 (Kelley), 6-11 (Lewis), and 6-16 (Sproul), as shown on the tax map below. He speaks to this issue in the excerpt from his report below (highlighted). Gail Kelley questioned the language he uses, "it does not appear that..." Since you have raised this question as well I will contact Mark Verostick now and ask him to clarify this matter.

On Thursday, February 25, 2021, I attended a site walk with Mr. Michael Behrendt (Durham Town Planner), Mr.

Richard Reine (Durham Director of Public Works) and Mr. Mike Sievert (MJS Engineering, P.C.) to review the existing conditions and the proposed development at the project site. We reviewed the proposed roadway layout that had been previously staked out, existing wetland areas, approximate location of proposed stormwater features and spent some time looking at the locations of the two culvert crossings on the entrance roadway at approximate stations 1+75 and 4+10. There is an existing drainage channel to the north of the proposed roadway that allows runoff to flow from an existing driveway culvert on Tax Map 10 lot 6-10. This drainage channel is on the downstream side of the proposed entrance roadway, joins another drainage channel near the downstream end of a proposed roadway culvert and then continues flowing to the north, downstream and away from the proposed roadway. The proposed roadway does not appear to affect the flow of this channel because the road will be constructed upstream from this channel. There is another drainage channel that flows from the abutting property to the south (Tax Map 10 lot 6-9). A proposed 5-foot wide by 2-foot high concrete box culvert is proposed at the location where this existing drainage channel crosses the proposed roadway. Based on the culvert analysis provided to VHB, it appears this proposed culvert has been adequately sized to accommodate runoff from a 100-year design storm and maintain at least 1-foot of freeboard from the lowest point on the proposed entrance road. Therefore, based on my observations in the field and the information reviewed it does not appear that the project as proposed would result in any stormwater impacts on the adjacent upstream lots including Tax Map 10 Lots 6-9, 6-10, 6-11 and 6-16.



Michael Behrendt

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From: james@bubar.org [mailto:james@bubar.org]
Sent: Wednesday, May 12, 2021 10:06 AM
To: Michael Behrendt
Subject: Gerrish Drive Extension

Michael,

I reviewed the VHB report and could not see any comments on the potential for an increased flooding hazard for either the Kelly or White properties. This was a major sticking point for Walter Rous and many of the Conservation Commission. It was understanding that the experts we would secure for the review would specifically address this issue/question.

Were they not specifically charged with responding to this issue or did they forget to address the issue?

James A Bubar