

Karen Edwards

From: Michael Behrendt
Sent: Tuesday, April 26, 2022 4:45 PM
Subject: Durham Point Road CU - DCC recommendation *
Attachments: Amended Plan Set - Walker-Howd CUP.pdf

To the Planning Board,
Please see the comments from Peter Howd, the applicant, in response to the recommended condition by the Conservation Commission. Installation of a swale on the downslope side seems to be a good solution.

Michael Behrendt
Durham Town Planner
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From: Peter Howd <peterhowd@gmail.com>
Sent: Tuesday, April 26, 2022 4:25 PM
To: Michael Behrendt <mbehrendt@ci.durham.nh.us>
Cc: Scott Boudreau (scott@boudreauls.net) <scott@boudreauls.net>; Karon Walker <karonswalker@gmail.com>; Richard Reine <rreine@ci.durham.nh.us>; April Talon <atalon@ci.durham.nh.us>
Subject: Re: Durham Point Road CU - DCC recommendation *

Good afternoon Michael and others,

I don't think we will have new plans before tomorrow as Scott is on spring vacation with his kids so out of the office. He will be joining us via zoom for the meeting.

We are working toward a revision that will include a better-defined swale on the wetland side of the portion of the driveway inside the WCOD. The swale will be designed to capture any sediment washed off the driveway surface toward the wetland buffer while allowing the water to infiltrate to continue feeding moisture through the buffer to the wetland proper. A downslope swale is indicated on the existing plan through the steep section of the drive and will be extended both directions through the entire buffer. The along-axis pitch of the swale will follow the pitch of the driveway, which follows very closely the existing pitch of the unaltered land.

The driveway cross-sectional surface through the WCOD will be pitched slightly to the upslope side, away from the wetland as well. As discussed by the Conservation Commission this is already the case in the existing plan for the majority of the buffer crossing. The water flowing off the driveway on the uphill side flows into a swale as well. Any flow in the uphill swale either percolates into the soil or is fed downhill to a culvert that passes under the driveway and into

crushed stone (riprap) area that will catch any sediment transported through the culvert, slow the flow, and prevent erosion at that location. This culvert/stone combination is outside the WCOD.

While I am not an engineer I do serve as the citizen representative on Wilton's MS4/Stormwater Team down in the southern part of the state. I feel this approach meets Best Management Practices and will allow water to continue to flow downslope to feed the wetland while efficiently capturing any sediment washing off the driveway. Maintenance will be performed as needed to insure the stormwater structures are functional, inspections will be done annually. We hope that Planning Board approval can be granted based on the inclusion of these design elements.

Peter

Peter Howd
727-439-6517 (cell)
peterhowd@gmail.com

On Apr 26, 2022, at 1:55 PM, Michael Behrendt <mbehrendt@ci.durham.nh.us> wrote:

All,

Can you come up with a proposed solution to criterion 3) below? Ideally email me a design by tomorrow afternoon. If not, hopefully the board will be okay to approve it with you preparing something afterward with an okay from Planning and Public Works.

Michael Behrendt

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From: Michael Behrendt <mbehrendt@ci.durham.nh.us>
Sent: Tuesday, April 26, 2022 1:53 PM
Subject: Durham Point Road CU - DCC recommendation *

To the Planning Board,

The Conservation Commission reviewed the conditional use application for a driveway to cross the wetland buffer on Map 11, Lot 38-2. This is on the board's agenda tomorrow evening. The commission voted to recommend a finding that the four WCOD criteria are met with these two provisos: