

Zoning

From: Zoning
Sent: Wednesday, March 22, 2023 10:27 AM
To: Broker-Campbell, John
Subject: RE: Chester- Merritt Driveway
Attachments: HH Report_Final.pdf; Fig 2.pdf

Attached is the full report from Dufresne Group plus a corrected Figure 2.

Preston Bristow

Chester Town Planner and
Zoning Administrator
556 Elm Street
P.O. Box 370
Chester, VT 05143
(802) 875-2173
www.chestervt.gov

From: Broker-Campbell, John <John.Broker-Campbell@vermont.gov>
Sent: Wednesday, March 22, 2023 6:53 AM
To: Zoning <zoning@chestervt.gov>
Subject: RE: Chester- Merritt Driveway

Hi Preston

Can you send me the full H&H report from Dufresne Group? I can find the excerpt on the fill from Naomi but not the full report referenced. Having talked with Scott about the engineering analysis, the new bridge and approach fill will comply with the Chester bylaws but I would like a copy for my records.

Thanks

John Broker-Campbell | CFM | Regional Floodplain Manager
Vermont Department of Environmental Conservation
Watershed Management Division | Rivers Program
100 Mineral Street | Springfield | VT 05156
802-490-6196
<https://dec.vermont.gov/watershed/rivers>

Flood Hazard Area & River Corridor Permit Applications are available here: <https://dec.vermont.gov/watershed/rivers/river-corridor-and-floodplain-protection/state-permits>

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From: Zoning <zoning@chestervt.gov>
Sent: Tuesday, March 21, 2023 5:11 PM

To: Broker-Campbell, John <John.Broker-Campbell@vermont.gov>

Subject: RE: Chester- Merritt Driveway

EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.

Just reminding you that our hearing for the Chester-Merritt driveway is next Monday, if you are going to send comments.

Preston Bristow

Chester Town Planner and

Zoning Administrator

556 Elm Street

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Chester, VT 05143

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From: Broker-Campbell, John <John.Broker-Campbell@vermont.gov>

Sent: Wednesday, March 01, 2023 2:49 PM

To: Zoning <zoning@chestervt.gov>

Subject: RE: Chester- Merritt Driveway

Thanks Preston. I will send out revised comments soon.

John Broker-Campbell | CFM | Regional Floodplain Manager

Vermont Department of Environmental Conservation

Watershed Management Division | Rivers Program

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From: Zoning <zoning@chestervt.gov>

Sent: Wednesday, March 1, 2023 2:39 PM

To: Broker-Campbell, John <John.Broker-Campbell@vermont.gov>

Subject: FW: Chester- Merritt Driveway

EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.

John –

Attached is Naomi Johnson's reply.

I have scheduled a hearing for March 27 although the legal notices have not gone out yet.

Preston Bristow

Chester Town Planner and

Zoning Administrator
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Chester, VT 05143
(802) 875-2173
www.chestervt.gov

From: Naomi Johnson <njohnson@dufresnegroup.com>
Sent: Wednesday, March 01, 2023 2:10 PM
To: Zoning <zoning@chestervt.gov>
Subject: RE: Chester- Merritt Driveway

Preston,

The fill approaches were taken into account with the modeling. Page 27 of the pdf report is a portion of the model output that shows this graphically.

I noticed that Figure 2 in the HH report had an incorrect label for the grade of the approaches, so I am providing the attached correct Figure 2. Please use this figure for the permitting file. If it is necessary to send a completely new report with the figure replaced, we can provide a new pdf file.

Naomi R. Johnson, PE
Dufresne Group
56 Main St, Suite 200 | Springfield, VT 05156
Phone: 802.674.2904 | Fax: 802.674.2913 | Cell: 802.291.4733

From: Zoning <zoning@chestervt.gov>
Sent: Wednesday, March 1, 2023 1:30 PM
To: Naomi Johnson <njohnson@dufresnegroup.com>
Subject: FW: Chester- Merritt Driveway

Hello Naomi,

I received this inquiry from John Broker-Campbell, and would appreciate your response.

Preston Bristow
Chester Town Planner and
Zoning Administrator
556 Elm Street
P.O. Box 370
Chester, VT 05143
(802) 875-2173
www.chestervt.gov

From: Broker-Campbell, John <John.Broker-Campbell@vermont.gov>
Sent: Wednesday, March 01, 2023 7:34 AM
To: Zoning <zoning@chestervt.gov>
Subject: RE: Chester- Merritt Driveway

Hi Preston

Can you confirm with Naomi that the fill approaches were taken into account when the bridge was modeled? I believe they were but it is not clear from the write-up (unless I am missing something). Once I have confirmation, I can send along comments in support of the project.

Thanks

John Broker-Campbell | CFM | Regional Floodplain Manager
Vermont Department of Environmental Conservation
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From: Zoning <zoning@chestervt.gov>
Sent: Wednesday, February 15, 2023 5:34 PM
To: Broker-Campbell, John <John.Broker-Campbell@vermont.gov>
Subject: RE: Chester- Merritt Driveway

EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.

Hi John,

Since your 4424 review last October of the proposed Merritt Driveway off VT-10 and across Great Brook in Chester, an HH analysis with no rise certification by Naomi Johnson has been completed and I have received an email from Scott Jensen with suggestions of how the bridge abutments could be anchored to the stream bank, both of which I attach.

I have not yet scheduled a DRB hearing but March 13 or March 27 are options.

Preston Bristow
Chester Town Planner and
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From: Broker-Campbell, John <John.Broker-Campbell@vermont.gov>
Sent: Tuesday, October 04, 2022 10:54 AM
To: Zoning <zoning@chestervt.gov>
Subject: 178 Chandler Road

Hi Preston

Please see the attached comments for the proposed bridge at 178 Chandler Road; at this time, I do not believe the proposal meets the Chester bylaws. There is insufficient evidence to show that the bridge will be properly anchored and I believe a hydraulic analysis will be needed since the structure is located within the floodway.

Please let me know if you have any questions.

John Broker-Campbell | CFM | Regional Floodplain Manager
Vermont Department of Environmental Conservation
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Vermont Department of Environmental Conservation
Watershed Management Division
100 Mineral Street
Springfield, Vermont 05156



October 4, 2022

Preston Bristow
Zoning Administrator
Town of Chester
P.O. Box 370
Chester, VT 05143

Subject – Development Application – 178 Chandler Road

Mr. Bristow

The Vermont Agency of Natural Resources River Corridor and Floodplain Protection Program received the application materials for the above referenced application on September 15, 2022. Based on the information provided by the applicant, the proposed new stream crossing at 178 Chandler Road in Chester, VT is within the FEMA mapped Special Flood Hazard Area (SFHA) and Floodway as shown on the most recent Flood Insurance Rate Maps (FIRMs) for the Town of Chester, effective September 28, 2007; panel 50027C0704E.

For all development located within the FEMA mapped SFHA, the National Flood Insurance Program (NFIP) minimum regulations **require** that all new development be reasonably safe from flooding and be:

- Designed and adequately anchored to prevent flotation, collapse, or lateral movement of the structure during the occurrence of the base flood; see FEMA guidance *Managing Floodplain Development Through the NFIP* <https://www.fema.gov/media-library/assets/documents/6029>
- Constructed with materials resistant to flood damage such as pressure treated lumber, see FEMA Technical Bulletin 2-08: *Flood Damage Resistant Materials Requirements* <https://www.fema.gov/media-library/assets/documents/2655>
- Constructed by methods and practices which will minimize flood damage
- Constructed with electrical, heating, ventilation, plumbing, and air conditioning equipment and other service facilities that are designed and / or anchored to prevent water from entering or accumulating within the design components during conditions of flooding.

The Town of Chester Unified Development Bylaws adopted June 22, 2022 require that all new development within the regulatory floodway have a completed hydraulic and hydrologic analysis completed to ensure that the development will not cause an increase in base flood elevation or flood velocity. While the bridge is not traditional 'development' (structure) within the floodplain, it does represent an encroachment will *may* impact flood flows during the occurrence of the base flood. It is unclear from the sketch provided how the concrete waste blocks being utilized as bridge abutments will be anchored into the stream bank. Additional information is needed prior to permitting to ensure that all applicable standards are being met.

Please be aware that where local flood hazard regulations exceed the minimum NFIP requirements, the more restrictive regulations will apply. Additional federal, state, and local permits may be required; please contact a VT Agency of Natural Resources Permit Specialist for more information on other applicable environmental permits. These comments are offered in accordance with 24 VSA 4424.

If you have any questions or concerns, please contact me at 802-490-6196 or john.broker-campbell@vermont.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "John Broker-Campbell". The signature is written in a cursive, somewhat stylized font.

John Broker-Campbell, CFM
Regional Floodplain Manager
Department of Environmental Conservation
Watershed Management Division
Rivers Program
100 Mineral Street
Springfield, VT 05156

Bridge Route 10 Property

Marsha Dawkins <cpesecretary@yahoo.com>

Mon 4/3/2023 4:03 PM

To: tmerritt23@outlook.com <tmerritt23@outlook.com>; Shawn Pollard
<crownpointexcavation@yahoo.com>

Hi Tom,

I understand there were concerns with how the bridge was going to be secured down, and here is an explanation of the process.

1. Concrete blocks will be pinned together with #8 Rebar.
2. Steel girders will be secured to concrete blocks by steel brackets that will prevent side to side movement, but will allow beam to flex.
3. Bridge decking will be secured to top flang of the girder with multiple brackets on each girder.

Any question to the above, please direct the to Shawn.

Thank you,
Marsha Dawkins (for Shawn)

Crown Point Excavation, LLC
802-885-4979