

From: Mark T. Arienti
Sent: Wednesday, April 8, 2020 9:35 AM
To: Jeffrey Read; Jennifer Curtis
Subject: RE: Bangor Savings Bank - North Windham - Review Comment Response

Jeff,

I've reviewed your response (sent in an e-mail dated 4/6/20) to my comments Bangor Savings Bank Site Plan Application. My response is below in italicized red font.

Town Engineer Comment:

For infiltration Basin 2 (Pond 1CP1) the peak elevation for the water level in the basin calculated by HydroCad is 309.35' for the 25-yr storm compared to the top of the basin at 309.50'. Overflow, if/when it occurs, will likely flow onto the entrance to the drive-through on Route 115. The 0.15' of freeboard does not seem to be sufficient considering the overflow would go onto Rte. 115. It is recommended that the basin design be modified to provide at least 1 foot of freeboard.

SME Response:

Infiltration basin 2 (Pond 1CP1) is designed to provide 0.5 feet of freeboard above the emergency spillway elevation. Spot grades have been added to the grading plan for clarity. Overflow is intended to travel overland to the off-way based on initial design recommendations from Town staff. Copies of the updated plan sheets, an updated stormwater quantity analysis, and updated post-development stormwater modeling calculations are attached for reference. *The Maine DEP Stormwater BMP Manual Section 6.1, Infiltration Basin, generally recommends that the spillway for an infiltration basin maintain one foot of embankment freeboard above the water elevation in the basin for a 25-year, 24-hour storm. However, this is not a requirement per se, and the additional details provided help to clarify that the proposed design greatly reduces off-site drainage to the maximum extend practicable. No further comment.*

Town Engineer Comment:

Although the amount of runoff flowing into the public right-of-way is being largely reduced, there are still about 5,000 - 6,000 SF flowing into Route 302 at the entrance to the project in this area. Other options to minimize the amount flowing onto Rte. 302 in this area should be considered.

SME Response:

Proposed improvements to site grading stormwater management will significantly reduce the peak flow and volume of stormwater runoff leaving the property and reduce the load on the existing municipal storm drain system. Further reduction: runoff from the property will require costly structural stormwater management devices that will burden the Applicant with long-term maintenance and potential replacement costs. *This is a satisfactory response considering the reduction in peak flows already achieved. No further comment.*

Town Engineer Comment:

The entrance to the drive-through off of Route 115 appears to provide minimal room for queuing. The distance from the sidewalk on Route 115 is only about 80', which is room for about 4 vehicles. A traffic study has not yet been submitted, but when submitted, should evaluate whether the queuing distance is sufficient to prevent backing up onto Rte. 115.

SME Response:

The drive through is designed with two lanes to provide quick service and adequate queueing for bank patrons. The drive through is also equipped with a slip lane to minimize congestion. The site is also designed with open sight lines, which will allow patrons approaching the Bank to bypass the ME-115 site access, if necessary and enter the site from US 302 to queue internally. Based on historical use at other branches, the Bank views this as an extreme condition not typically experienced during normal operations. *This clarification makes sense No further comment.*

Thanks,

Mark

Mark Arienti, P.E., Town Engineer
Town of Windham
8 School Road
Windham, ME 04062

office: (207) 894-5900 x 6124
cell: (207) 712-1359
fax: (207) 892-1916
www.windhammaine.us

From: Jeffrey Read <jtr@smemaine.com>
Sent: Monday, April 6, 2020 9:51 AM
To: Jennifer Curtis <jcurtis@windhammaine.us>; Mark T. Arienti <mtarienti@windhammaine.us>
Cc: Jason.Donovan (jason.donovan@bangor.com) <jason.donovan@bangor.com>; David Latulippe - CJ Developers (ddlatulip@aol.com) <ddlatulip@aol.com>; Abigail Latulippe <aml@smemaine.com>; Dan Diffin <dpd@smemaine.com>
Subject: Bangor Savings Bank - North Windham - Review Comment Response

Good morning Jenn,

Please review the attached response to staff and peer review comments for the Bangor Savings Bank project in North Windham. As discussed last week, five hard copies will be mailed to your office later today.

We are looking forward to presenting this project to the Board next week. If you have any questions or need additional information, please don't hesitate to call.

Jeff

Regards,

Jeffrey T. Read, P.E.

Civil Engineer



Sevee & Maher Engineers, Inc.

4 Blanchard Road, P.O. Box 85A

Cumberland, ME 04021

Office: 207.829.5016

Cell: 207.671.8027

Fax: 207.829.5692

This electronic message contains information from Sevee & Maher Engineers, Inc. (SME), which may be confidential, privileged, or otherwise protected from disclosure. The information is intended to be used solely by the recipient(s) named. If you are not an intended recipient, be aware that any review, disclosure, copying, distribution, or use of this transmission or its contents is prohibited. If you have received this transmission in error, please notify SME immediately at postmaster@smemaine.com.