

From: Mark T. Arienti
Sent: Thursday, July 9, 2020 10:59 AM
To: dustin@dmroma.com; Jennifer Curtis
Subject: RE: Ruby Meadows 3rd Amended Subdivision Plan Lot- #11

Jenn,

I have review the 7/7/20 response by DM Roma for the Ruby Meadows 3rd Amended Subdivision plan for Lot 11 and I have no further comment,

Thanks,

Mark

From: dustin@dmroma.com <dustin@dmroma.com>
Sent: Tuesday, July 7, 2020 4:21 PM
To: Mark T. Arienti <mtarienti@windhammaine.us>; Jennifer Curtis <jcurtis@windhammaine.us>
Subject: RE: Ruby Meadows 3rd Amended Subdivision Plan Lot- #11

Hi Mark & Jennifer,

Attached is a response and revised plans for the Ruby Meadows 3rd Amended Subdivision for Lot 11.

Thanks,

Dustin M. Roma, P.E.



PO Box 1116, Windham, ME 04062
P: (207) 310-0506

From: Mark T. Arienti <mtarienti@windhammaine.us>
Sent: Tuesday, June 30, 2020 8:32 AM
To: Jennifer Curtis <jcurtis@windhammaine.us>
Cc: Dustin Roma <dustin@dmroma.com>
Subject: Ruby Meadows 3rd Amended Subdivision Plan Lot- #11

Jenn,

I've reviewed the Ruby Meadows 3rd Amended Subdivision Plan Lot- #11 Application and plan sheet dated June 22, 2020 and have the following comments:

- Overall the verification of the existing Filter Basin #1 sizing to account for the increase in impervious and landscaped areas appears valid, however it should be noted that there has been an issue with draining of existing Filter Basin #1. Although not specifically related to Lot #11, but rather to

groundwater and the potential need for underdrains for the roadway, the additional water from Lot #11 won't help with this issue and should be addressed.

- The proposed use of bioretention two bioretention basins and roof drip edge filters appears appropriate to provide treatment for the additional impervious and landscaped areas but the calculations require some clarification:
 - The sizing of the filter basins appears to use a 1.5-ft depth for storage volume, but the Maine DEP Stormwater BMP manual says that bioretention basins should have a maximum 6-inch pooling depth, and therefore the 1.5-ft depth should be revised and the basin sizing revised.
 - Based on the grading shown on Plan Sheet S-1, it appears that the area draining to BR-1 is overestimated. Please clarify.

Any comments or questions, please don't hesitate to contact me,

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