

From: Mark T. Arienti
Sent: Wednesday, April 21, 2021 9:25 PM
To: Amanda L. Lessard; Owens McCullough
Subject: Windham Public Safety Building Expansion Major Site Plan

Amanda,

I've reviewed the following documents for the above project:

- Windham Public Safety Renovation and Expansion project, Major Site Plan Application, dated March 2021
- Windham Public Safety Building Expansion Plan Set Revised 4/5/21
- Windham Public Safety Building Expansion, Response to Comments, 4/21/21

I have the following comments on the above:

- Sheet 5, Grading and Utility Plan, of the plan set listed above shows a swale with erosion control blanket and loam and that takes drainage from an existing culvert under Rte. 202 and directs it to an 18" culvert and then a drainage basin area near the eastern boundary of the site. Is this the existing drainage infrastructure that was constructed as part of the Community Park Work completed a year and a half ago or is this newly proposed drainage infrastructure. It appears to be in the same area.
- A HydroCad stormwater drainage analysis was included in the application that concludes that the post-development peak flows will be less than the predevelopment peak flows as required under Section 812.E of Windham's Site Plan Review Ordinance. A couple questions on the analysis:
 - The analysis includes two 25' long, 18' breadth overflow spillways for the existing detention pond. The plans show one spillway, but not the other. Please clarify where the other one is.
 - It looks like the analysis of the pond assumes all the water flowing into the pond during the 2-yr, 10-yr, and 25-yr storms will infiltrate at a rate of 2.41 cfs. Is this a reasonable assumption based on the soils at the site or with the increase in impervious area will there be a possibility of overflow?
 - Why isn't the far northern corner of the site included in the HydroCad drainage analysis?
- The Grading & Utility Plan show a drip edge on the north side of the building. Is this just an aesthetic feature or is it a roof dripline filter as in the Maine DEP BMP Manual. Will there be an underdrain pipe and if so where will it discharge?
- It is recommended that a "snout" be installed on the outlet of CB-1 since this location is on the concrete apron outside the garage where there is a potential for oil leaks.

Let me know if you have any questions on my comments,

Thanks,

Mark

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