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July 13, 2020

Natalia Alward <alwardn@grafton-ma.gov>

Planning Board
Grafton, MA**FW: Afonso Village - 2nd Submittal****Exhibit 34**

Jeffrey Walsh <JWalsh@gravesengineering.com>

Mon, Jul 13, 2020 at 3:16 PM

To: Amanda Cavaliere <ACavaliere@gandhengineering.com>, Bob Poxon <rpoxon@gandhengineering.com>

Cc: Christopher McGoldrick <mcgoldrickc@grafton-ma.gov>, Natalia Alward <alwardn@grafton-ma.gov>, Leah Cameron <cameronl@grafton-ma.gov>

Good afternoon Amanda and Bob,

I've reviewed the latest plans and supporting calculations for Afonso Village. Comments #5, 15 and 42 of our latest (June 17, 2020) review letter have been addressed. There's one remaining comment that hasn't been fully addressed. I'm sending this email along in lieu of a letter for now until document revisions are finished.

Relative to comment #14, soil testing was performed by Guerriere & Halnon on June 25, 2020 and was witnessed by me, and the plans and hydrology computations were revised to create a two-compartment stormwater basin. At the deeper earth cuts into the ground, the basin is intended to consist of a detention compartment and at the shallower earth cuts, the basin is intended to be an infiltration compartment where the required offset to groundwater can be achieved. I have no issue with this approach as long as the groundwater offset is achieved for the infiltration compartment.

In order to achieve the required offset to groundwater, the infiltration compartment can't be proposed wherever the existing ground elevation is higher than elevation 382 feet. The infiltration compartment is proposed where the existing ground elevation is as high as 388 feet. Also, please keep in mind the top of the stormwater basin's berm must be at least one foot above the 100-year water surface elevation (with the latest revisions there's only 0.9 feet) and the top of the berm must be at least one-foot above the emergency spillway (with the latest revisions there is only 0.8 feet). I called Bob Poxon to discuss this with him but I understand that he is on vacation this week.

Please let me know if your team has any questions,

[Quoted text hidden]