

From: Rob Gordon
To: [Brad Sedgwick \(bradsedgwick@hotmail.com\)](mailto:bradsedgwick@hotmail.com)
Cc: [Jeff Walton](#); [Derek Pielech](#)
Subject: Eng Review - AA Storage
Date: Monday, June 17, 2013 4:09:00 PM
Attachments: [image002.png](#)

Engineering has reviewed the application for the AA Storage facility and have the following comments:

1. There is a slight discrepancy in the amount of asphalt replaced between p2 of the narrative & the application. From the math, it appears the narrative is incorrect. Please revise.
2. The DWQ permit & original DA maps show 79,940 sf of offsite runoff draining to the pond. The DA maps submitted do not show offsite drainage. Please clarify if there is offsite drainage.
3. P2 of the application indicates that DB #1 & 4 are routed through the pond. It appears from the routing output in appendix D that only DB #1 is routed.
4. I would prefer to strike the second column, or BMP #2 off of p4 of the application. It is not a part of the (city) detention system and maintenance of the system will not be required in the City permit. It's fine if it remains on the DA maps, but not the application.
5. I am not able to follow all of the "voodoo math". Here are the figures as best I can determine. If correct, please make sure they are incorporated into the model.

Pond DA: 249,819 sf (DB #1) + 39,375 (DB #4) = 289,194 sf

Existing BUA: 128,787 sf (onsite, in DB#1) + 36,196 (fire station) = 164,983 sf

Predeveloped Calc: 164,983 (existing) - 30,146 (removed) = 134,837 sf @ CN 98

289,194 sf (DA) - 134,837 sf (BUA) = 154,357 sf @ CN 39

Postdevelop Calc: 134,837 sf (Existing BUA) + 23,089 (NCBUA) = 157,926 sf @ CN 98

289,194 (DA) - 157,926 sf (BUA) = 131,268 sf @ CN 39

6. The figures in exhibit (S2) in appendix E should match the first column on p4 of the application. They do not appear to right now.
7. The 2" orifice is not connected to the riser structure in the model. Although it should not produce a significant change in the results, please revise.
8. The rim & invert information listed on the pipe calcs does not match the plans. Please revise.

Please submit one copy of revised plans, calcs & forms for additional review. Please call or email if you have any questions. Thank you.

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Project Engineer

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