

From: Rob Gordon
To: dhollis@hdsilm.com
Cc: [Derek Pielech](#); [Jim Diepenbrock](#)
Subject: Eng TRC Review - Barclay West
Date: Wednesday, December 11, 2013 5:19:00 PM
Attachments: [calcs.pdf](#)
[image003.png](#)

Engineering has reviewed the TRC plan for the Barclay West early Infrastructure improvements and have the following comments:

- A stormwater management permit will be required. It is assumed a master permit will be obtained, with allocations for each of the outparcels.
- Roadway piping should be designed for the 10-yr event and sized for the 50-yr.
- The culvert along Independence under Street "A" should be analyzed as well, including offsite drainage. Any tailwater effects should be applied to the pond routing. I have attached the calcs for the culvert under the Northernmost entrance to the Food Lion should they be useful. There was no drainage area map in the file. We also have the approved construction release drawings if you would like to see them.
- The stormwater pond cannot be public. It must remain private. Any conveyances that carry runoff from a public street should be placed within a public drainage easement up to the point where they the pond, but not the pond itself.
- Please coordinate the median landscaping and piping for Street A. If there are a number of street trees proposed, a pipe in the middle of the median will not be desirable.
- Is Street C being constructed within the early improvements?

These comments will be posed to protrak. Please call or email if there are questions that are not resolved at TRC. Thank you.

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