

## Bogoevski, Dan

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**From:** Bogoevski, Dan  
**Sent:** Monday, December 07, 2009 9:02 AM  
**To:** Robert Papotto  
**Cc:** Mike Bramhall; Mike Higgins; Jim Piazza  
**Subject:** Re: Augusta Woods

Bob,

The proposed modification meets Ohio EPA requirements, so the City can go ahead and get the new outlet installed. I'll follow this e-mail up with a letter to formalize this.

Thanks for finding a solution to the complaint.

Dan

>>> Robert Papotto <[bpapotto@bramhall-engineering.com](mailto:bpapotto@bramhall-engineering.com)> 12/4/2009 2:31 PM

>>> >>>

Dan

Attached is a rough sketch of a repair/replacement for the Augusta Woods WQv restrictor. I have reviewed with Jim Piazza, and he asked me to send to you for your review.

WQ volume elevation per LDC calcs is 687.95. This volume will be restricted to outletting through the 2" orifice. Any higher elevations will be allowed to outlet through the lower 8" pipe, as before, preventing any unnecessary ponding in the basin.

Please let me know your thoughts. We can prepare a more detailed drawing for construction if OK

Thanks

Bob

Robert A. Papotto, P.E., P.S., CPESC  
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## **Bogoevski, Dan**

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**From:** Bogoevski, Dan  
**Sent:** Thursday, December 03, 2009 5:08 PM  
**To:** Jim Piazza  
**Subject:** Augusta Woods

Jim,

Jason Hah called me this afternoon about Augusta Woods. He's looking for a final sign-off and approval from the City on the retention basin. As a representative of the Homeowners' Association, he just wants to make sure that when the basin is turned over to them for long-term maintenance, they are getting the basin in working condition, as intended.

In October, the developer modified the basin outlet to comply with Ohio EPA requirements. Mr. Hah became concerned when he noted that the water level in the basin rises higher now when it rains than it did before. He claims that this is killing the grass and not letting the newly planted areas establish with vegetation. I explained to him that the basin isn't holding water for so long that it would kill the grass, however spot reseeding of the embankments is to be expected as an on-going, long-term maintenance issue. So, he didn't get any sympathy from me on this issue.

Then, he said there was a blockage in the basin and water was not draining from it at all. So, apparently, he called the City to report this and some sewer crews came out to find out why. They believe there is a blockage somewhere, but did not locate where. I believe the blockage is still in place. I assume that the City is still working on this and will remove any blockage that is found. However, he also indicated that the modification made to the basin outlet to meet Ohio EPA requirements has been compromised. Mr. Hah stated that he met with Bob Papotto yesterday and that the City removed the water quality orifice (the developer reduced what was originally a 6-inch outlet by mortaring that hole and installing a 2-inch pipe to meet Ohio EPA requirements). Bob says the sewer cleaning crews broke the mortar.

The fact that the water rises higher and stays longer in the basin is not a problem. You need to drain the Water Quality Volume (WQv) slowly to allow time for pollutants to settle. The water level in the basin did not rise so high that it was causing any danger to anyone. It was just higher than what they were used to, so the residents of Augusta Woods panicked. I explained this to Mr. Hah and he seems to accept this. However, after he talked with Bob, he's concerned now that the basin isn't functioning properly for the bigger storm events. Controls for anything larger than the WQv are not an Ohio EPA concern. So, in talking to Bob, he indicated that he would look into this and make sure the modification for the WQv doesn't adversely affect how the basin functions for larger storm events.

My main concern is making sure that the WQv orifice is re-installed. It must be replaced to meet Ohio EPA requirements and the city engineer must sign-off on the final basin design (including the modification). I assume if the City's sewer crews broke the water quality modification, the City will fix it. If not, who's responsibility would it be?

I e-mailed Bob the information I have from Land Design Consultants, the engineers that designed the pond modification so he can review them. He said he'll let me know what he figures out.

Sincerely,

Dan Bogoevski  
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Ohio EPA Northeast District Office  
2110 E. Aurora Rd.  
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