

January 12, 2016

803 Compton Road, Suite A  
Cincinnati, Ohio 45231-3819  
(513) 521-4760  
Fax (513) 521-2439  
bobtrenkamp@tgraham.com

Butler County Engineer's Office  
1921 Fairgrove Avenue (S.R. 4)  
Hamilton, Ohio 45011-1965

Attn: Ms. Teresa Barnes, P.E.  
Design Engineer

Re: Proposed Kroger  
Kyles Station Road and St. Rt. 4



Dear Teresa,

We are in receipt of your review letter dated December 29, 2015. Below please find our responses in BOLD:

1. Please provide a copy of the ODOT Hydrology Approval letter.  
**We requested the ODOT Hydrology Approval Letter and we will forward upon receipt.**
2. Please ensure that the detention basin outlet structure details shown on the drawings match the numbers used in the calculations. (The drawings indicate a 2.1-foot diameter opening at 770.5; the basin calculations indicate a 2.5-foot opening. The drawings indicate 4 5-foot windows at 773.4; the calculations indicate 1 8-foot opening at 773.3. The proposed weir in the calculations is at 773.5 with a length of 12-feet; the drawings do not indicate an elevation for the proposed sidewalk and the area, per the provided grading plan would be significantly wider than 12-feet).  
**Please find attached revised Sheet C2.4 showing the outlet structure matching the calculations. Also, see Sheet C2.3 that now shows spot grades at the emergency overflow.**
3. Note, per the Butler County Subdivision Regulations, the required water quality volume is provided in addition to the required detention volume.  
**The water quality volume is achieved at elevation 770.50. The 3" diameter orifice is the WQ control. The 2.5' diameter orifice at 770.5 is the detention control.**

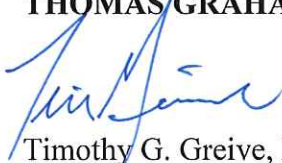
**Page 2- Response Letter Continued....**

4. Please provide the proposed storm drain pipe sizing calculations.  
**Please find attached the proposed storm drain pipe sizing calculations.**
5. The proposed mass grading plan indicates a proposed sediment basin along the east property line of lot 5; however, there is not outlet information provided.  
**Please find attached revised Sheet EC2.1 showing the outlet control for the south east sediment basin.**

If you have any questions or comments regarding our responses above, please do not hesitate to contact me.

Sincerely,

**THOMAS GRAHAM ASSOCIATES, INC.**



Timothy G. Greive, P.E.  
Vice President  
TGG/ldd

Enclosures