

## Lindebak, Scott

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**From:** Trevor Kurth [tkurth@baughmanco.com]  
**Sent:** Thursday, April 05, 2012 8:10 AM  
**To:** Lindebak, Scott; Davidson, Tim  
**Subject:** RE: Sandcress Lake Drainage Concept

Scott,

Sounds good.

Preliminarily, we have the pond at groundwater (elev 1314), have routed back to back 100-year storms in it with a rise of about 5' to a 1319. We anticipate the minimum openings to be at about a 1326 due to the overflow at the northeast corner being at elev 1325 (approx.). These are all subject to change, but that is what Austin and I have come up with so far. Unless we can find a lower escape route, I think we will still keep the homes elevated to these heights.

With all that said, we will still want to allow the water surface to encroach on the lots (sand beaches), like we discussed a month or two ago with you (this would likely mean shore walls on most the lots). But the homes will definitely be elevated to the emergency overflow.

trk

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**From:** Lindebak, Scott [mailto:SLindebak@wichita.gov]  
**Sent:** Wednesday, April 04, 2012 10:43 PM  
**To:** 'Trevor Kurth'; Davidson, Tim  
**Subject:** RE: Sandcress Lake Drainage Concept

Trevor, Upon review I have no concerns related to the development of residential subdivision using WQ devices prior to discharging to groundwater pit pond. I would suspect that the City of Wichita would maintain the permanent BMPs, since the structures are in-line with a public storm sewer system. As you develop the drainage plan, we will want to understand how you are going to address or identify the lakes emergency overflow. I doubt the lake will ever overflow, unless we receive an inordinate amount of rainfall during a year of high groundwater. Will the structures lowest opening be placed above an emergency overflow path to the City arterial street or other drainage path?

Thanks!

Scott

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**From:** Trevor Kurth [<mailto:tkurth@baughmanco.com>]  
**Sent:** Wednesday, April 04, 2012 11:54 AM  
**To:** Lindebak, Scott; Davidson, Tim  
**Subject:** Sandcress Lake Drainage Concept

Scott/Tim,

Attached is the Concept for the plat that was submitted earlier this week.

It will be a groundwater pit and we are preliminarily proposing to use Hydroguard units at every outfall before entering the lake – most of these located along the streets for maintenance access.

Let me know of questions or concerns.

Thanks.

trk

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