

Tuttle, Mike

From: David Marble [davemarble@utah.gov]
Sent: Tuesday, August 21, 2012 10:56 AM
To: Tuttle, Mike
Subject: [Released by Allowed List] RE: [Released by Allowed List] RE: The Sanctuary Subdivision submittals for developer, Tim Charlwood

Yes, if storage is above grade then a small dam application should be submitted.

Dave

David K. Marble, P.E.
Assistant Utah State Engineer / Dam Safety
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davemarble@utah.gov

>>> "Tuttle, Mike" <mtuttle@co.weber.ut.us> 8/21/2012 10:50 AM >>>

Well it makes sense to me that they would not need them if they are below grade. I still have never received the cross sections that you are talking about. The plans I saw showed a circle on the side of a mountain where a detention pond was to be located.

In the future should we still have people submit for a small dam application, when their construction is above natural grade?

Michael Tuttle, S.E.
Weber County Engineering

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From: David Marble [mailto:davemarble@utah.gov]
Sent: Monday, August 20, 2012 9:33 AM
To: Tuttle, Mike
Subject: [Released by Allowed List] RE: The Sanctuary Subdivision submittals for developer, Tim Charlwood

Mike,

Thanks for your question for clarification. I'm not sure if the impression you were given of my conversation with Mr. Hansen is quite consistent with my recollection. He indicated that Weber County was requiring a dam permit for the flood control ponds included in the development and asked if they are really required for such small ponds (0.135 ac-ft and 0.09 ac-ft). I indicated that we really aren't concerned about such small ponds but that according to the statute a small dam application to receive a state permit for the ponds is appropriate.

Mr. Hansen filled out the application and sent them to me. I observed that each "embankment" will be 4 feet in height and will have 2 feet of freeboard above the spillway, leaving 2 feet of potential water depth. The drawings provided providing somewhat limited elevation data concerning the ponds; however, sections B-B and E-W on sheet 1 appear to show that much of the basin for this ponds will be excavated below natural ground. The embankments above natural ground do not appear to have more vertical height than the below ground excavation so I concluded that the potential high water elevation is at or below the natural ground level and the "embankments" only provide freeboard.

As I indicated in my email (attached in the email string below), provided my understanding, as reasoned above, is correct, we conclude that the ponds do not need dam permits in this case because water will be stored below natural ground level.

Please let me know if any other clarifications are needed.

David Marble

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>>> "Tuttle, Mike" <mtuttle@co.weber.ut.us> 8/17/2012 3:32 PM >>>

The developer said that you guys couldn't believe that we asked them to get a dam safety permit. We had a training a couple years ago where people from Dam Safety were telling us that there would be a dam permit required for any detention pond that detains more than 1' above natural ground. Is this not the case anymore? If so, when should we be having people come and get a permit from Dam Safety?

Michael Tuttle, S.E.
Weber County Engineering

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From: Greg Hansen [<mailto:gregh@haies.net>]
Sent: Thursday, August 09, 2012 6:28 AM
To: Tuttle, Mike
Cc: 'Tim Charwood'
Subject: FW: The Sanctuary Subdivision submittals for developer, Tim Charwood

Mike,

Below is the email I received from David Marble, Assistant Utah State Engineer over Dam Safety regarding the detention basins on the Sanctuary Subdivision. I trust this is satisfactory and meets your needs.

Attached is the packet that I sent in to the state.

Respectfully;
Hansen and Associates, Inc.
K. Greg Hansen, Pres., P.L.S.
538 North Main Brigham, City Utah 84302
Ph: 435-723-3491
Cell: 801-430-2050
Fax: 435-723-3492
email: gregh@haies.net

From: David Marble [<mailto:davemarble@utah.gov>]
Sent: Wednesday, August 08, 2012 5:05 PM
To: Greg Hansen
Subject: Re: The Sanctuary Subdivision submittals for developer, Tim Charlwood

Greg,

I have reviewed the information regarding the detention basin that you sent me. Based on my review of the drawings I agree that the proposed ponds will be created primarily by excavation into the natural ground rather than by embankment construction. A small dike depicted in section E-W for the Upper Detention Basin appears to be only freeboard dike.

Since any potential water storage is below the natural ground level, we do not consider these ponds to be within our regulatory jurisdiction for Dam Safety. Provided my understanding of the proposed construction is correct, Dam Safety permits for these ponds are not necessary.

Let me know if you have questions or need further clarification.

David Marble

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>>> "Greg Hansen" <gregh@haies.net> 8/8/2012 3:35 PM >>>
Dave,

Attached are pdf's of our cover letter, the signed Small Dam Application and Historic Property Effect Application along with the supporting required documents. As I look at the cross section of the detention basins that we are building, they actually have little or no dike. More ponding than damming in a nutshell.

Hard copies are in the mail.

Let me know if you have any questions or need anything else.

Respectfully;
K. Greg Hansen, Pres., P.L.S.



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