

**Subject:** Re: S21S-003 - Clarification - Borehole and Casings  
**Date:** Thursday, July 8, 2021 at 12:08:44 PM Mountain Daylight Time  
**From:** Beaupre, Nanci  
**To:** Ash Varghese  
**CC:** Gallacher, Fiona

Hi Ash,

The estimated depth for the drilling will be 18 metres below the ground surface and the hole will be a 2 inch diameter (for geotechnical purposes)

Casings will only be used for the groundwater wells (maximum three). We do not require casings for boreholes since they will be backfilled with bentonite and capped with gravel or whatever the native material is onsite.

I am on vacation after today until the 19th so please cc Fiona Gallacher (cc'd) from Dillon if there are any other questions after today

Thanks!  
Nanci



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*Vacation: July 12th to July 16th*

On Thu, Jul 8, 2021 at 12:31 PM Ash Varghese <[ash.varghese@slwb.com](mailto:ash.varghese@slwb.com)> wrote:

Good morning Nanci,

I hope you are doing well.

I seek additional information/clarification as part of the preliminary screening for the S21S-003 application (Parks Canada).

As per the project description, 5 boreholes may be advanced with 3 groundwater wells to be installed in select locations. I have the following questions.

1. What is the estimated depth and width of boreholes?
2. Will casings be used in all drill locations. If not, why?

I need this additional information to know what the mitigations are for the possible geological structure changes.

Thank you.

Ash

**Aswathy Mary Varghese, PhD**

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