

Subject: FW: S21S-001 Borehole Casings Question
Date: Friday, March 5, 2021 at 9:39:41 AM Mountain Standard Time
From: Patricia Coyne
To: Ash Varghese
Attachments: image002.png

Hi Ash,

The point marked Recon was only meant as a point to investigate and overlook the quarry and not drill.

Only the following points are proposed to be drilled.

Table 1: Proposed Geotechnical Boreholes

Proposed Borehole ID	Easting	Northing	Length (m)	Azimuth (°)
EL20-P01	615,310	7,242,090	30	TBD
EL20-P02	615,125	7,242,190	30	TBD
EL20-P03	615,050	7,242,350	30	TBD
EL20-P04	615,240	7,242,290	30	TBD
EL20-P05	615,425	7,242,230	30	TBD
EL20-06*	614,980	7,242,260	30	TBD

*Proposed Hole EL20-06 is presented as either an alternative option to holes EL2-01 through EL2-05 with the purpose of investigating the lithological and structural continuity present at the quarry.

Please let me know if you have any other questions,

Mársı | Kinanāskomitin | Thank you | Merci | Hąj' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi

Patricia Coyne
Manager, Mackenzie Valley Highway Environmental Affairs
Department of Infrastructure | Ministère de l'Infrastructure
Government of the Northwest Territories | Gouvernement des Territoires du Nord-Ouest

7th floor, Yk Centre | Yk Centre, 7e étage
4922 48th Street | 4922, 48e rue
PO Box 1320 | C. P. 1320
Yellowknife NT X1A 2L9 Phone | Tél. : 867-767-9082, ext. | poste 31033

www.gov.nt.ca

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From: Ash Varghese <ash.varghese@slwb.com>
Sent: March 4, 2021 4:23 PM
To: Patricia Coyne <Patricia_Coyne@gov.nt.ca>
Subject: Re: S21S-001 Borehole Casings Question

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Thank you Patricia for the clarification.

I have one more question. What do you mean by "Recon"? (label on proposed borehole drilling location).

Thanks
Ash

From: Patricia Coyne <Patricia_Coyne@gov.nt.ca>
Date: Thursday, March 4, 2021 at 3:58 PM
To: Ash Varghese <ash.varghese@slwb.com>
Subject: S21S-001 Borehole Casings Question

Ash,

The purpose of the Edie Lake Geotechnical program is confirm bedrock extent of the existing quarry. Boreholes will be advanced to a maximum depth of 40 m and it is not anticipated that groundwater will be encountered. Previous development at the site did not identify any groundwater flow on the existing surface wall or pit. Artesian wells are not expected.

To limit impacts on the environment, we have made the following considerations in the project:

- Casing will be used to start the hole to advance through the overburden material and then removed upon completion of drilling.
- Minor amounts of water sourced from the Town of Norman Wells will be used for lubrication during the geotechnical drilling program.
- Should groundwater be encountered, the borehole will be plugged and then sealed at surface to prevent surface water intrusion.

We have also developed a Spill Contingency Plan which outlines steps that will be taken in the event that any spills occur during the Program. This document was included with our Land Use Permit Application.

We trust that this meets your requirements. Please let us know if you require further information.

Mársi | Kinanāskomitin | Thank you | Merci | Hąj' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi

Patricia Coyne

Manager, Mackenzie Valley Highway Environmental Affairs

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LEGEND

- Borehole (Proposed)
- Access Trails to Boreholes
- - Haul Road
- Edie Lake Quarry

DRAFT

NOTES
 Sources: Project Data: Government of Northwest Territories; Base Data: CanVec, Government of Canada; Government of Northwest Territories; NWT Centre of Geomatics
 Image Source: Government of Northwest Territories; NWT Centre of Geomatics
 Spatial Reference: NAD 1983 Northwest Territories Lambert

150 75 0 150
 1:6,000 Meters

Figure 5-1 - Proposed Borehole Location

GIS	CES	2020-11-10	Doc ID: 144902910-0011 REVA
QA/QC	CS	2020-11-10	Government of the Northwest Territories