

DAILY REPORT #118 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lowell Wade	Date:	2012.05.02
Reviewed by:		Project #:	1CH008.058.0320
Role	Company	Personnel – Position	On Site
Client	Hope Bay Mining Limited (HBML)	Angela Holzapfel – ESR Compliance Manager David Vokey – ESR Coordinator Dean Wold - Safety Jill Turk – ESR Coordinator Katsky Venter – ESR Manger Michelle Tanquay – ESR Site Manager Stirling Kelly – HSLP Advisor	No No No Yes No No Yes
	JDS	Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Mark Valeriot – Construction Manager Calvin Goldschmidt – Construction Coordinator	No No Yes No Yes
Engineering Design Consultants	SRK Consulting (Canada) Inc.	Lowell Wade-Site Engineer Lawrence Borowski – Site Engineer	Yes No
Earthworks Contractor	Nuna Logistics	Doug Haverland – Area/Site Superintendent Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Site Services Foreman Mike MacMaster – Surveyor Mike Price – Field Engineer Rick Peter – Foreman Trevor Sorken – Area/Site Superintendent	No Yes Yes No Yes No No Yes Yes
External Distribution List:	SRK: Maritz Rykaart, Lowell Wade, Seema Kang, Silkie Wong EBA: Robert Zschuppe ; Nuna: Chris Petrovic; HBML: Dave Power		
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WEATHER (ROBERTS BAY)

<http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=INUNAVUT3>

Temperature/Wind Chill (°C)	6AM: -17.2	12PM: -10.8/-14.6	6 PM: -8.9/-16.5	12 AM: -8.8/-20.2
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Sunny and clear with slight winds		Night Shift: N/A.	
Daily norms (°C)	24 hour high: -8.8		24 hour low: -20.2	

HEALTH, SAFETY AND ENVIRONMENT

- Nothing to report

COMMENTS, CORRESPONDENCE, AND ACTIVITIES**DAILY MEETING WITH NUNA AND HBML TEAM:**

- The daily meeting was attended by Nuna [Trevor Sorkin], JDS [Jerry Graham], SRK [Lowell Wade], HBML [Stirling Kelly]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • Safety: <ul style="list-style-type: none"> ○ Nothing to report. • ESR: <ul style="list-style-type: none"> ○ The SRK Barrel Tests, at Windy, will be moved up to the STP pad so they will be out of the way and dust free.
North Dam	<ul style="list-style-type: none"> • ND-DSP-120 will be installed today. • ND-IN-120-3 will be excavated to retrieve the 4" Sched 40 casing and completed the installation as per design
Water Management Structures	<ul style="list-style-type: none"> • Snow clearing around the berms at Old Windy Camp.
General	<ul style="list-style-type: none"> • Traffic signage is being posted around Doris Camp. • Deconstruction of the Concrete Batch Plant continues • An Insta-Berm was located at Old Windy Camp and is being inspected

SURVEY [TO BE VERIFIED]:

Required	<ul style="list-style-type: none"> • The following as-built files for the North Dam: <ul style="list-style-type: none"> ○ None • The following as-built files for the Doris Sumps: <ul style="list-style-type: none"> ○ Annulus crush backfill ○ Annulus overburden backfill
Data Received	<ul style="list-style-type: none"> • Received April 17, 2012 <ul style="list-style-type: none"> ○
Data Outstanding	<ul style="list-style-type: none"> • None
Data Upcoming	<ul style="list-style-type: none"> • The following as-built files for the North Dam: <ul style="list-style-type: none"> ○ Final compiled ROQ surface and linework ○ Final compiled lower GCL surface ○ Final compiled transition material surface and linework ○ Compiled file of thermistor cables and thermistor cable bedding material (surfaces and linework) this would be for the entire path of the thermistor cables including the information from last year. ○ Survey monuments and any backfill materials associated with these monuments. ○ Final surface and linework of over thermosyphon crush (after compaction) ○ Instrumentation

MULTI-BEAD GROUND TEMPERATURE CABLES

- Nothing to report

WATER MANAGEMENT

- Due to limited resources, the snow around the berms at Windy was not removed

DAM SHELL:

- ND-DSP-120 was completed (Figure 1).
- ND-DSP-100 was started:
 - Late in the day the weld broke on the outer steel casing and the casing as well as the down hole hammer was lost down the borehole.
 - West Arc was able to retrieve the outer steel casing and down hole hammer later in the evening.
 - Installation to be completed the following day.
- ND-IN-120-3 was reconstructed to design (Figure 2):
 - Collar elevation = 33.719 m
 - Bottom of inclinometer casing elevation = 24.5 m [9.2 m]
 - Borehole previously drilled to 20.4 m [13.3 m].
 - The ROQ around the borehole was excavated with a 345D excavator to expose the upper 6" Sched 40 steel pipe. The slurry material was removed from around the steel pipe using hand shovels
 - The 6" Sched 40 steel pipe was gently lifted off the Inclinometer Casing without any problems by using slings and the 345D excavator.
 - Continued excavation and hand shoveling was required to expose the top 0.3 m of the 4" Sched 40 steel pipe. The top of this steel pipe was ~1.7 m below the ROQ surface.
 - The initial attempts to lift the 4" steel pipe, with slings and the 345D excavator, also started to lift the Inclinometer Casing.
 - A water lance was fabricated to flush most of the granular material from between the 4" steel pipe and the Inclinometer Casing.
 - Again using the slings and excavator, the 4" steel pipe and Inclinometer Casing was gently lifted a couple of inches. The Inclinometer Casing was then gently lowered back down to the bottom of the borehole by placing a length of 2x6 over the top of the Inclinometer Casing and tapping with a sledge hammer. This was repeated several times until the steel pipe had been lifted by ~0.3 m
 - A sling was then placed over the top Inclinometer Casing which was used to hold the Inclinometer Casing down by the weight of two people while the 345D excavator was used to gently lift the steel pipe.
 - Once the 4" steel pipe was freed from the borehole it was held in-place over the Inclinometer Casing at the final elevation of 1.1 m above the ROQ surface. Core material and ROQ was placed back into the excavation up to the original ROQ surface.
 - A protective cap has yet to be manufactured.
 - The dummy probe was run down both tracks of the Inclinometer Casing. Some fine granular material had entered the Casing which was cleared by the dummy probe. Water was encountered at the bottom of the casing. The Vacuum Truck fitted with a 2" diameter hose will be used to remove the water and fine granular material.

GENERAL

- Clean-up at Old Windy Cam and at Major's Drill Shop at Patch continues.

FIGURES

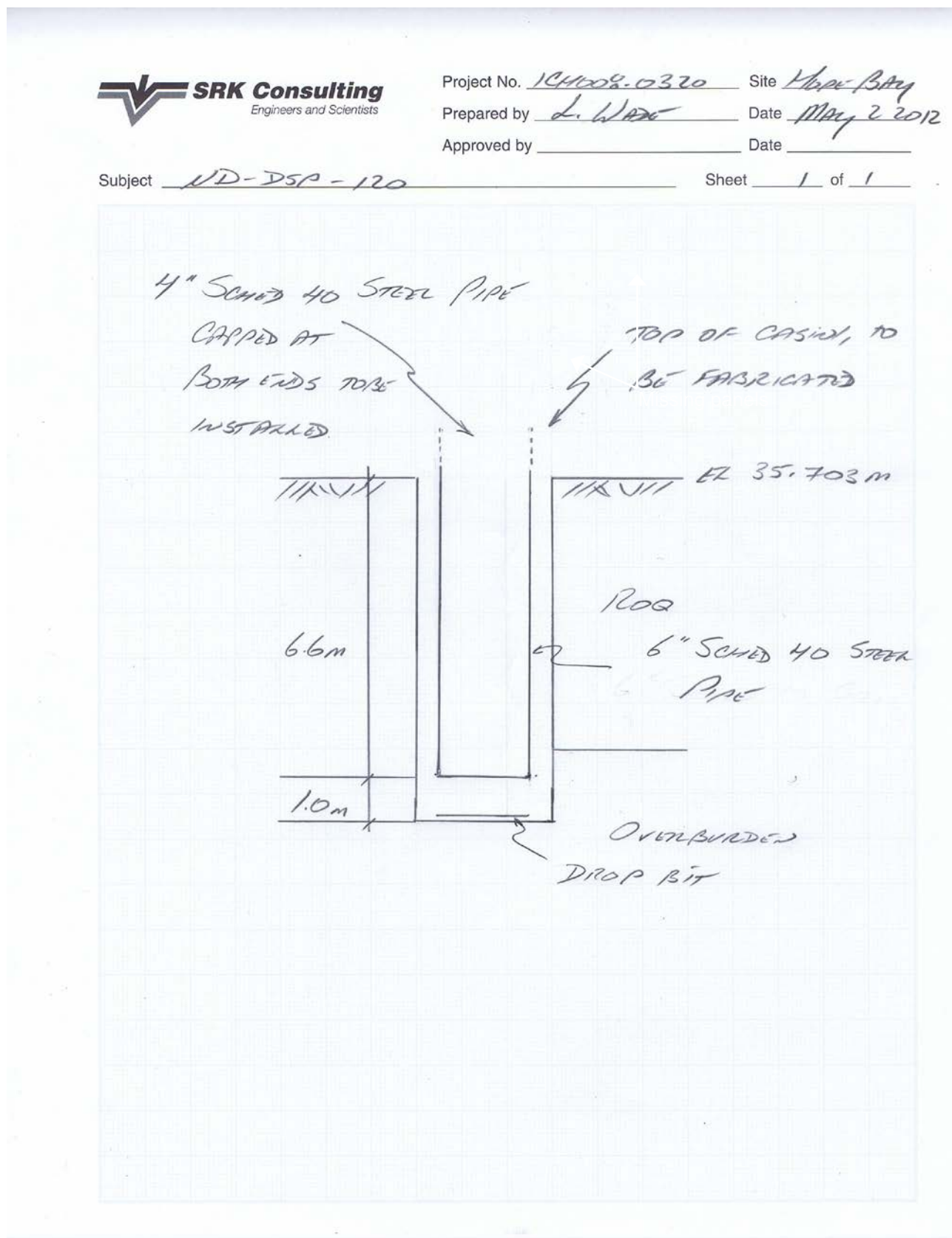


Figure 1: Borehole log for ND-DSP-120.



Project No. 104008.0320 Site Hopk Bay
 Prepared by L. Wade Date May 2, 2012
 Approved by _____ Date _____

Subject ND-IN-120-3 Sheet 1 of 1

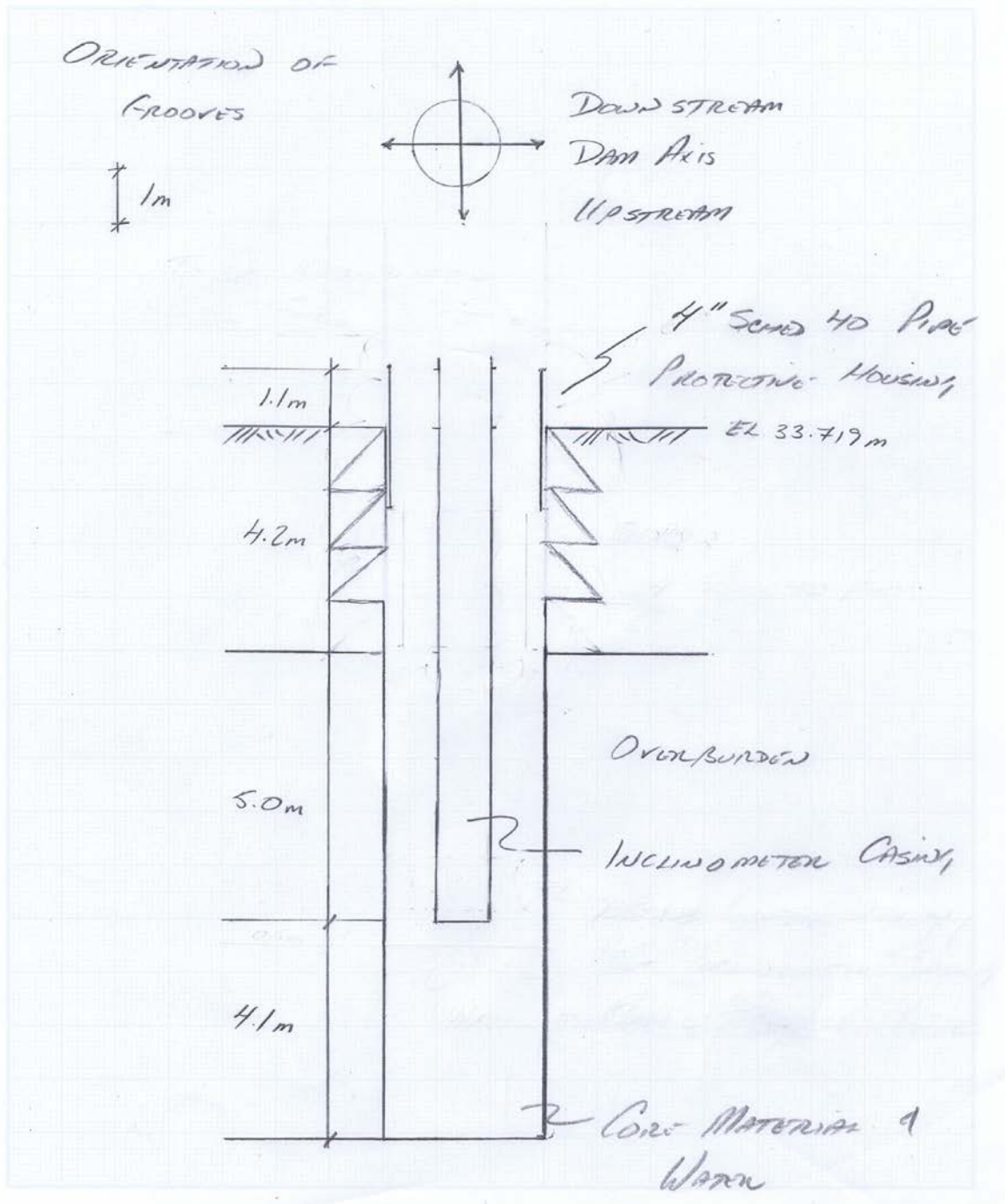


Figure 2: As-built of slope indicator casing installation for ND-IN-120-3.

PHOTOS



Photo 1: Excavation and removal of 6" steel pipe from around ND-IN-120-3



Photo 2: Water lance used to flush material from between the 4" steel pipe and the Inclinator Casing.



Photo 3: Back-filling of ND-IN-120-3 in lifts of core material and ROQ.



Photo 4: The water lance was used to saturate the core material around the Inclinator Casing and 4" steel pipe.



Photo 5: All instrumentation along Station 1+20 installed. The 4" Sched 40 Steel Pipe still to be installed in ND-DSP-120 and the top caps fabricated and installed on all instrumentation.