

DAILY REPORT #122 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lowell Wade	Date:	2012.05.06
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 Yes Yes No No No
	JDS	Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Mark Valeriot – Construction Manager Calvin Goldschmidt – Construction Coordinator	No Yes Yes No No
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	Yes Yes Yes No Yes No No Yes No
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: -5.6	12PM: -3.4/-9.4	6 PM:	12 AM:
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Overcast, light rain, moderate winds from the West Northwest		Night Shift: N/A.	
Daily norms (°C)	24 hour high:		24 hour low:	

HEALTH, SAFETY AND ENVIRONMENT

- Weekly Safety Meeting
 - Eye safety video was shown
 - An individual was observed working outside the guardrail at a height greater than 4 m without a safety harness
 - Unreported incidents are on the increase
 - It is getting slippery outside, ice cleats are available from the warehouse
 - An individual slipped on the ice and required a couple of stitches and hyper-extended his thumb
 - Use spotters when backing up
 - Road conditions are poor due to melt water. Keep to posted speed limits.
 - There is a lot of traffic between the Reagent Pad and the Airstrip. The airlifting of Calcium Chloride is underway. There will be a total of 30 flights with 5 flights per day.
 - Winter travel apparel policy will be lifted after May 11th.
- A bear was spotted on Doris Lake
- Two foxes spotted on the North Dam

COMMENTS, CORRESPONDENCE, AND ACTIVITIES

DAILY MEETING WITH NUNA AND HBML TEAM:

- The daily meeting was attended by Nuna [Doug Haverland], ESR [Jill Turk], JDS [Jerry Graham, Ishan Fechter], SRK [Lowell Wade]

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"> ○ Notification of intention of pumping water to Tail Lake should be submitted. ○ Testing of retained melt water may be required
North Dam	<ul style="list-style-type: none"> • Deep Settlement pipes to be installed • The protective housings and covers for the ND-DSP's to be fabricated • Survey pins in the Surface Settlement Points to be installed • Survey control points around the abutments of the North Dam to be installed
Water Management Structures	<ul style="list-style-type: none"> • The totalized for pumping logs is at BBE's warehouse in Yellowknife • Enviro-tanks to be moved to the Reagent Pad • The HDPE pipelines across the ice ramp at the east side of Doris Lake to be completed • The water treatment plant by the Sedimentation Pond to be moved to allow for the completion of liner installation
General	<ul style="list-style-type: none"> • Nothing to report.

SURVEY:

Required	<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 [CAD processing upcoming] 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. [CAD processing upcoming] Survey monuments and any backfill materials associated with these monuments. [CAD processing upcoming] The following as-built files for the Doris Sumps: <ul style="list-style-type: none"> Annulus crush backfill [Field records to be reviewed] Annulus overburden backfill [Field records to be reviewed]
Data Received	<ul style="list-style-type: none"> North Dam <ul style="list-style-type: none"> Inclinometers Deep Settlement Points Surface Survey Points Instrument monuments
Data Outstanding	<ul style="list-style-type: none"> The following as-built files for the North Dam: <ul style="list-style-type: none"> Final compiled transition material surface and linework [CAD processing upcoming]
Data Upcoming	<ul style="list-style-type: none"> The following as-built files for the North Dam: <ul style="list-style-type: none"> Final surface and linework of over thermosyphon crush

MULTI-BEAD GROUND TEMPERATURE CABLES

- Nothing to report

WATER MANAGEMENT

- The remaining sections of HPDE pipelines from Tail Lake to Doris Creek were fused together.
- These section of pipeline was left open as it crossed the ice ramp leading down from the North Dam onto Doris Lake.

DAM SHELL:

- ND-DSP-120 was completed. The cover to be fabricated (Figure 1).
- The outer steel casing for ND-DSP-100 was completed (Figure 2).
- ND-DSP-070 was completed. The cover to be fabricated (Figure 3).
- Survey pins were installed in the large ROQ boulders for the ND-SSP's
- Survey pins were installed at four survey control points. Three located around the east abutment and one on the west abutment
- All ND-ISP's were positioned in the open excavations. $\frac{3}{4}$ " back-fill material has been stockpiled around each excavation to be used when the data cables have been installed through the conduit pipe.
- General clean-up and compaction around the dam continues.

GENERAL

- Nothing to report

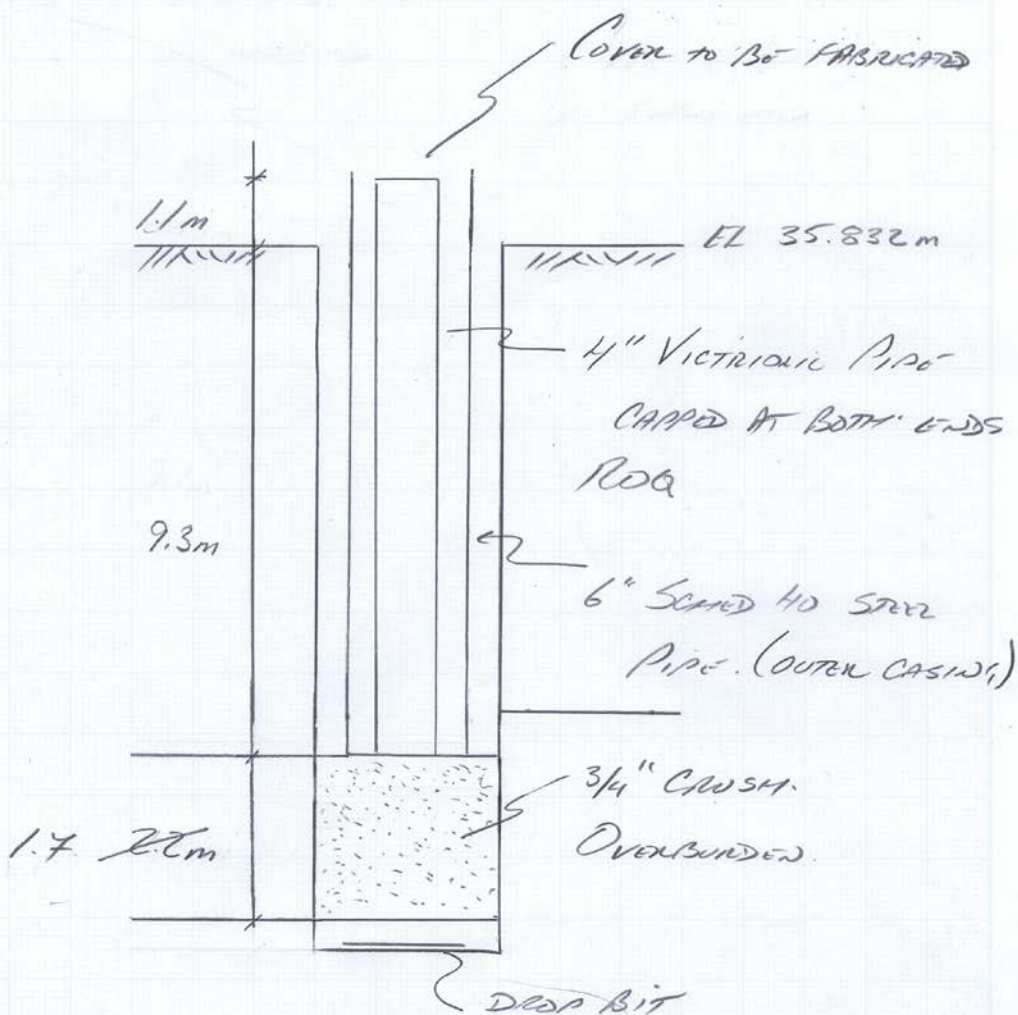
FIGURES



Project No. 1CND08-058-0320 Site Hsiao Bay
 Prepared by D. W. Lee Date May 3 2012
 Approved by _____ Date May 4 2012

Subject ND-DSP-070 Sheet 1 of 1

May 6, 2012



OVERDRILLED BOREHOLE BACKFILLED WITH $\frac{3}{4}$ " CRUSH TO 0.5m BELOW
 BOTTOM OF CASING. QUANTITY OF CRUSH BASED ON SOUNDING = 0.0218 m^3
 ACTUAL QUANTITY OF CRUSH USED = 0.276 m^3 0.33 m^3

Figure 1: Borehole log for ND-DSP-070.



Project No. 1C4008059-0320 Site Harri Bay
 Prepared by A. Hane Date MAY 3 2012
 Approved by _____ Date MAY 5 2012

Subject ND-DSP-100

Sheet 1 of 1
MAY 6 2012

OVERDRILLED BOREHOLE BACKFILLED WITH $\frac{3}{4}$ " CRUSH
 QUANTITY OF CRUSH BASED ON SOUNDING = 0.049 m^3
 ACTUAL QUANTITY OF CRUSH USED = 0.091 m^3

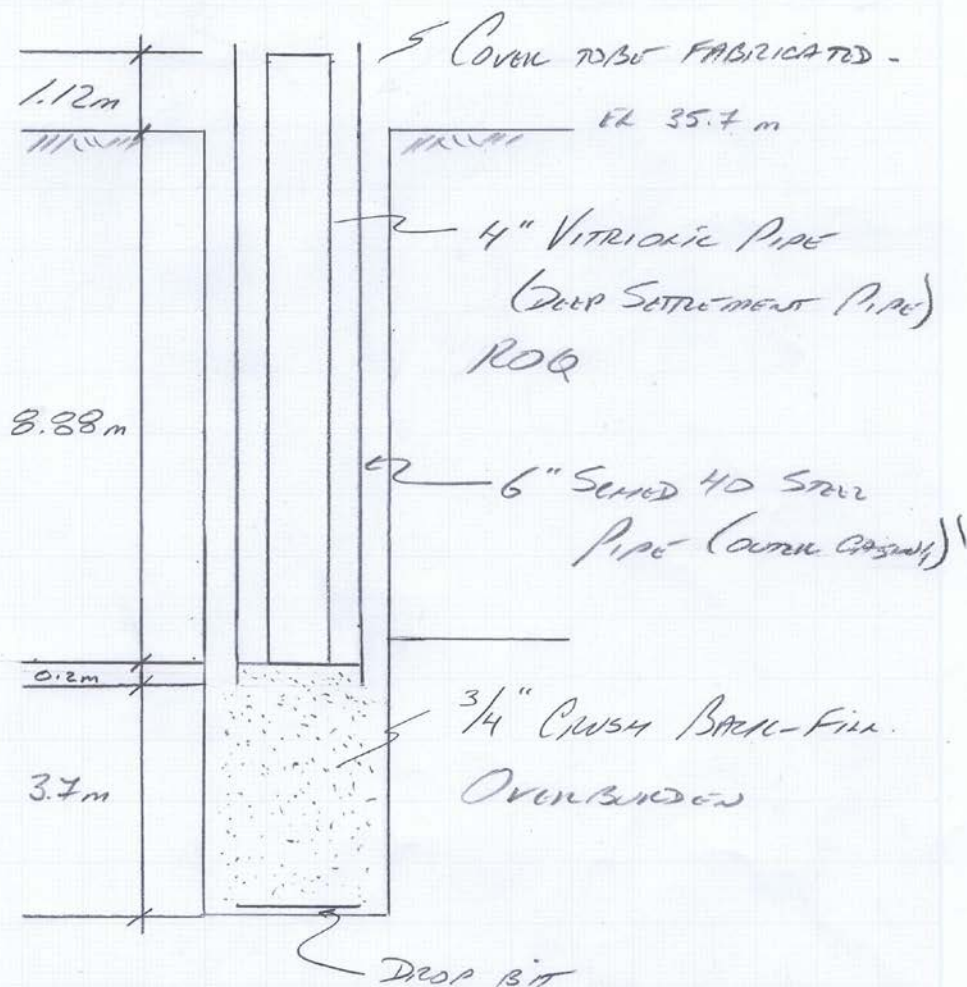


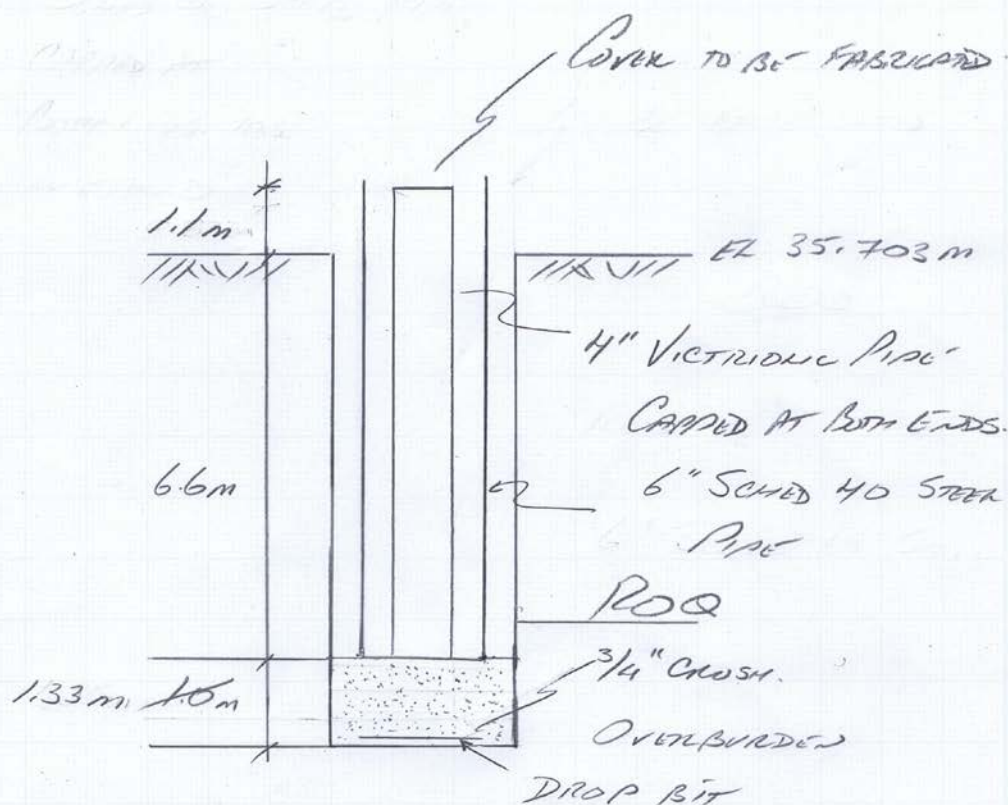
Figure 2: Borehole log for ND-DSP-100.



Project No. 1CH008-0320 Site Hopk Bay
 Prepared by L. Wade Date May 2 2012
 Approved by _____ Date May 4 2012

Subject ND-DSP-120 Sheet 1 of 1

May 6, 2012



OVER DRILLED BOREHOLE BACK FILLED WITH $\frac{3}{4}$ " CRUSH
 TO 0.5m BELOW BOTTOM OF CASING,
 QUANTITY OF $\frac{3}{4}$ " CRUSH MATERIAL BASED ON SOUNDING,
 BOREHOLE = $0.015 \text{ m}^3 = 4 \text{ U.S. GALLONS}$
 ACTUAL QUANTITY OF $\frac{3}{4}$ " CRUSH USED = 0.087 m^3
 0.104 m^3

Figure 3: Borehole log for ND-DSP-120.

PHOTOS



Photo 1: Installation of survey pins in the surface survey points.



Photo 2: Installation of the last Deep Settlement Pipe into ND-DSP-070.



Photo 3: Final inspection of ND-DSP-120.

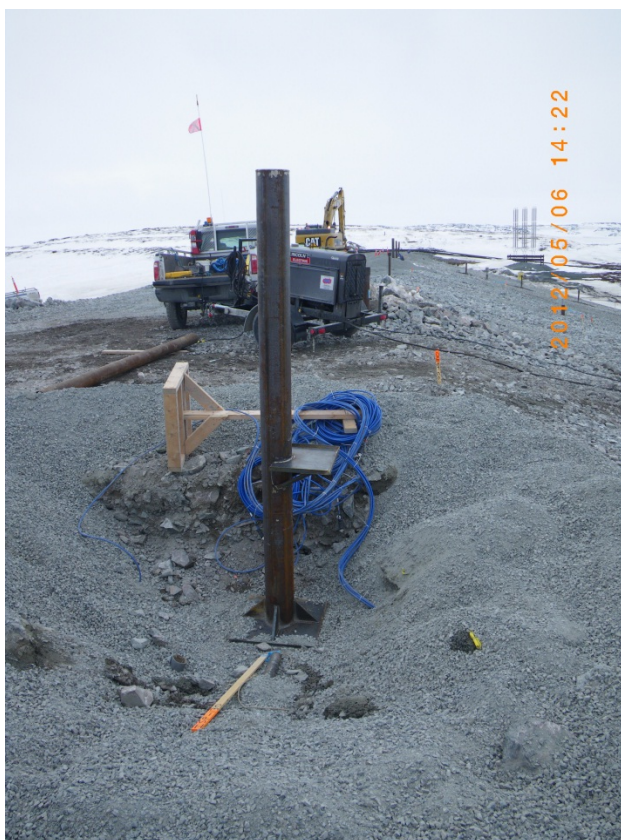


Photo 4: Installation of the ND-ISP monuments.



Photo 4: All the instrumentation on the downstream face of the dam has been installed.



Photo 5: Looking down on the North Dam from the Access Road. The Access Road is being brought up to grade.