

DAILY REPORT #31 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Murray McGregor John Kurylo / Megan Miller	Date:	2012.02.05
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 Don Ethelston – HSLP Advisor Dean Wold - Safety Jill Turk – ESR Coordinator Katsky Venter – ESR Manger Michelle Tanquay – ESR Site Manager Stirling Kelly – HSLP Advisor	No No No No Yes Yes No Yes
	JDS	Lloyd Jackson – Mechanical Superintendent Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Kevin Whieldon – Project Coordinator Mark Valeriote – Construction Manager	Yes No No Yes Yes Yes
Engineering Design Consultants	SRK Consulting (Canada) Inc.	John Kurylo – Site Engineer Megan Miller – Site Engineer Lawrence Borowski – Site Engineer Murray McGregor – Site Engineer Iozsef Miskolczi – Site Engineer	Yes Yes No Yes No
	EBA Engineering Consultants Ltd.	Jeff Orr – Project Manager Jennifer Stirling – Geologist Thomas Bradshaw – Junior Engineer Ernest Palczewski – Geologist	No Yes No Yes
Earthworks Contractor	Nuna Logistics	Ben Vostermans - Foreman Bradford Watkin – QC Manager Doug Haverland – Area Superintendent Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Foreman Kevin Oakes – Project Engineer Kevin Kozdrowski – Foreman Kyle Kuntz – Project Engineer Margaret Caley – Surveyor Matt McKay – Civil Supervisor Mike MacMaster – Surveyor Mike Price – Field Engineer Nick Stoneberger – Superintendent Rick Peter – Foreman Ron MacMaster – Surveyor Simon Chipper – Civil Supervisor	No No No Yes Yes No No Yes Yes No Yes Yes No Yes Yes Yes No Yes
External Distribution List:	SRK: Maritz Rykaart, Lowell Wade, Seema Kang, Silkie Wong EBA: Robert Zschuppe Nuna: Chris Petrovic JDS: Bob Prince-Wright, Calvin Goldschmidt HBML: Dave Power, Gerry Benson		

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WEATHER (ROBERTS BAY)

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

Temperature/Wind Chill (°C)	6AM:-31/-42	12PM: -31/-31	6 PM: -26/-39	12 AM: -26/-40
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Sunny, with moderate winds in the afternoon.		Night Shift: Moderate wind calming at midnight.	
Daily norms (°C)	24 hour high: -24		24 hour low: -32	

The Hope Bay weather station is down; the daily weather reported above is for Cambridge Bay (<http://www.theweathernetwork.com/index.php?product=obs24h&placecode=canu0005>).

HEALTH, SAFETY AND ENVIRONMENT

- Megan Miller and Jennifer Sterling attended the Nuna Sunday safety meeting. The main safety topic was staying focused on the task at hand.
- Ernest Palczewski attended the daily toolbox meeting.
- SRK had a small (less than 1L) spill of glycol. The spill was immediately cleaned up and a spill report submitted.

COMMENTS, CORRESPONDENCE AND ACTIVITIES

DAILY MEETING WITH NUNA AND HBML TEAM:

- The daily meeting was attended by ADCO, Nuna [Nick Stoneberger, Simon Chipper], Newmont Safety [Stirling Kelly], ESR [Katsky Venter], JDS [Jerry Graham, Mark Valeriote, Kevin Whieldon, Lloyd Jackson], SRK [John Kurylo, Murray McGregor]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • No new safety incidents.
North Dam	<ul style="list-style-type: none"> • Nuna stated they placed a lift last night. • Nuna reiterated that they plan to place material during the day, then crush at night.
Water Management Structures	<ul style="list-style-type: none"> • Blasting has finished at the Doris North Diversion Berm; additional clean-up blasting will likely follow. • An excavator will continue cleaning debris. • No work will be done on the sumps today.
General	<ul style="list-style-type: none"> • JDS stated that the Secondary Road Bridge Abutment should be completed as a filler project only; Nuna agrees.

SURVEY:

Required	<ul style="list-style-type: none"> • As-built survey of Transition Material placed Feb 5, 2012 • As-built survey of ROQ placed Feb 5, 2012 • As-built survey of thermistor string at 0+60 and bedding material.
Data Received	<ul style="list-style-type: none"> • As-built survey of FCM placed Feb 1, and Feb 4 2012 <ul style="list-style-type: none"> ○ AB 120202 ND FC – Standard.zip ○ AB 120204 ND FC – Standard.zip • As-built survey of bedding thermistor at station 1+30 <ul style="list-style-type: none"> ○ AB120203 ND Thermistor Cables 1+30 – Standard.zip ○ AB 120203 ND Thermistor Cables 1+30.csv • As-built survey of placed transition material. <ul style="list-style-type: none"> ○ AB 120203 ND TR – Standard.zip ○ AB 120204 ND TR – Standard.zip ○ AB 120203 ND TR.csv ○ AB 120204 ND TR.csv
Outstanding	<ul style="list-style-type: none"> • None

Upcoming

- Survey of FCM after placement (on going).
- Survey of Doris North Diversion berm excavation.

NORTH DAM/FROZEN CORE PLANT PAD:

- All multi-bead thermistors with the exception of ND-VTS-085-DS, which is buried under snow, were read. Other than one bead on ND-HTS-060-28.8 all thermistor strings were found to be working.

Frozen Core Plant*Dayshift*

- No FCM produced.

Nightshift

- No FCM produced.
- The CAT 330 excavator which has been parked outside the FCP for several days was moved inside the plant to be repaired.
- Labourers removed snow and FCM build-up from around the belts.

Dam Shell*Dayshift*

- No new activity.

Nightshift

- The 'hole' around the thermistor cables at station 0+60 was further cleaned of snow with the CAT 345 excavator (with toothed digging bucket) and the with hand shovels closer to the cables.
 - Snow from this area was hauled to the overburden pile as the snow was mixed with rock.
- The thermistor cables were bedded in dry $\frac{3}{4}$ " crush material, which was placed under and over the cables. Transition material was placed over the bedding material.
 - ND-VTS-060-KT was brought from where it exited the ground back to the edge of the core material.
- Transition and ROQ material were put in in lifts to bring the 'hole' up to grade with the surrounding transition and ROQ material. The lifts were compacted with the vibratory roller.

Key Trench/ Central Core*Dayshift*

- Minimal activity as previously placed FCM cooled.
- No core material was placed on dayshift today.

Nightshift

- No FCM was placed.
- The area from approximately 0+40 to 1+30 was started to be 'dental cleaned', in preparation for the anticipated FCM placement on dayshift. This cleaning was not completed by the end of dayshift.
- The last portion of the lift placed 2012/02/04 nightshift froze back at ~4 am.
- The table below present the cumulative as-built volume (as provided by Nuna Survey) for FCM placed to February 5st.

SUMMARY OF CORE MATERIAL PLACED (AS-BUILT)

Date	FCM Placed/ Incremental Volume (m ³)	Cumulative FCM Volume Placed (m ³)
February 4 st	288.8	3273.3

Field Geotechnical Testing, Laboratory and Sampling**SINGLE BEAD THERMISTOR STATUS**

Installed Today	Active	Destroyed / Abandoned
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ID	Station	US/DS/Center	ID	Station	US/DS/Center	ID	Station	US/DS/Center
			SB45	0+45	U/S	SB47	0+80	CL
			SB47	0+80	CL			
			SB50	1+05	CL			

- A summary of today's material testing progress is presented in the tables below.

PARTICLE SIZE DISTRIBUTION SUMMARY

Collected	Testing In Progress	Completed
HB12-CR-CORE-PSD17-20120205		HB12-ND-CORE-PSD15-20120204
HB12-CR-CORE-PSD18-20120205		HB12-ND-CORE-PSD16-20120204

MOISTURE CONTENT SUMMARY

Collected	Testing In Progress	Completed
		HB12-FCP-CORE-MC48-QA-201200204
		HB12-FCP-CORE-MC49-QA-201200204
		HB12-FCP-CORE-MC50-QA-201200204
		HB12-FCP-CORE-MC51-QA-201200204
		HB12-FCP-CORE-MC52-QA-201200204
		HB12-FCP-CORE-MC53-QA-201200204

DRILLED CORE

Collected	Testing In Progress	Completed
HB12-ND-CORE-DC22-QA-20120205		HB12-ND-CORE-DC20-QA-20120204
HB12-ND-CORE-DC23-QA-20120205		HB12-ND-CORE-DC21-QA-20120204

- Two additional cores were taken from the placement completed on Feb 1st nightshift. Photo 3 and 4 show these cores.
- Drilled core HB12-ND-CORE-DC22-QA-20120204 was taken from 1+63 US.
- HB12-ND-CORE-DC23-QA-20120204 was taken from 1+53 US.

DORIS NORTH CAMP:

- Clean-up continued at the Doris North Diversion Berm key-trench.

SECONDARY ROAD:

- No new activity.

QUARRY #2:

- The crusher was running during the day and night shifts, re-crushing frozen lumps of FCM.
- A sample was collected from the crusher stockpile at ~4:15. This sample was collected from the stockpile as the crusher was not running at the time.
- A sample was collected from the crusher at 23:00.

GENERAL:

- SRK met with JDS and Nuna to discuss/reiterate placing additional lifts of FCM along the downstream side at the ends of the dam core. The purpose is to prepare for transition to be placed along the entire downstream edge.
- SRK met with Nuna site engineer to discuss the sump excavation being larger than SRK specified tolerances.

PHOTOS:



Photo 1: Progress photo of North Dam from photo point 2. ~WNW view.



Photo 2: Progress photo of North Dam from photo point 1. ~SSE view.



Photo 3: Drill core HB12-ND-CORE-DC22-QA-20120204. Poor quality due to gravel spinning during drilling. Some of the core broke off down the hole and was unable to be recovered.



Photo 4: Drill core HB12-ND-CORE-DC23-QA-20120204.

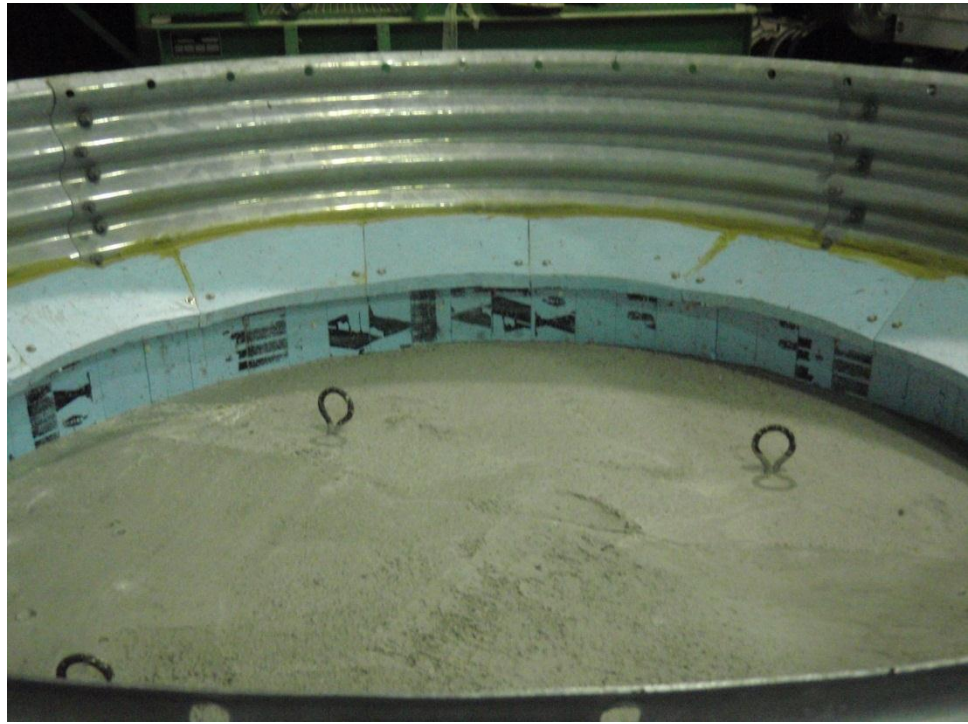


Photo 5: Sump, backfilled with concrete. Approximately 300mm of concrete in the bottom of the sump with a row of rebar as reinforcement.



Photo 6: Westarc drill continued drilling along the Doris North Diversion Berm key-trench.



Photo 7: East end of the Doris North Diversion Berm key-trench after cleaning was performed by excavator.

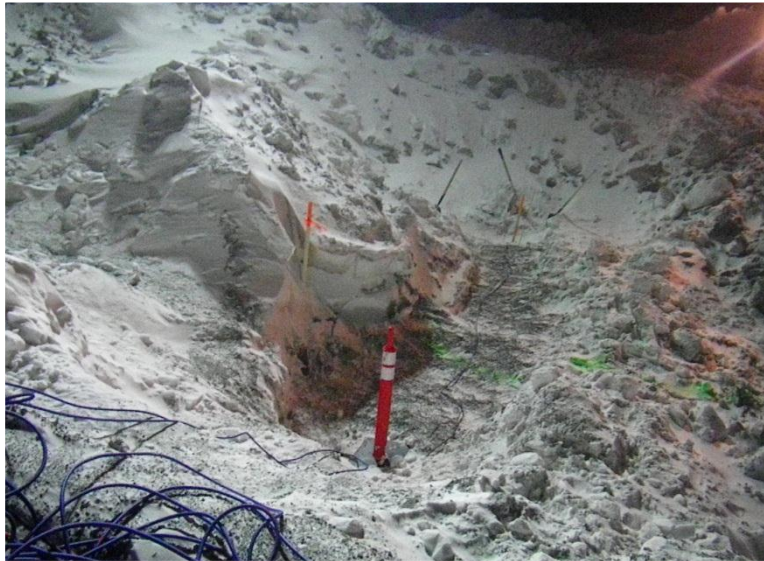


Photo 8: Thermistor cables at 0+60 exposed.



Photo 9: Thermistor cables at 0+60 bedded in 3/4" material.



Photo 10: Compactor running on transition material placed in 'hole' around thermistor cables at 0+60. Looking down at the 'hole'.



Photo 11: Looking downstream at the ROQ and transition material placed in the 'hole' around the thermistor cables at 0+60.

FIGURES:

Figure 1 – North Dam Progress – February 5th DAYSHIFT

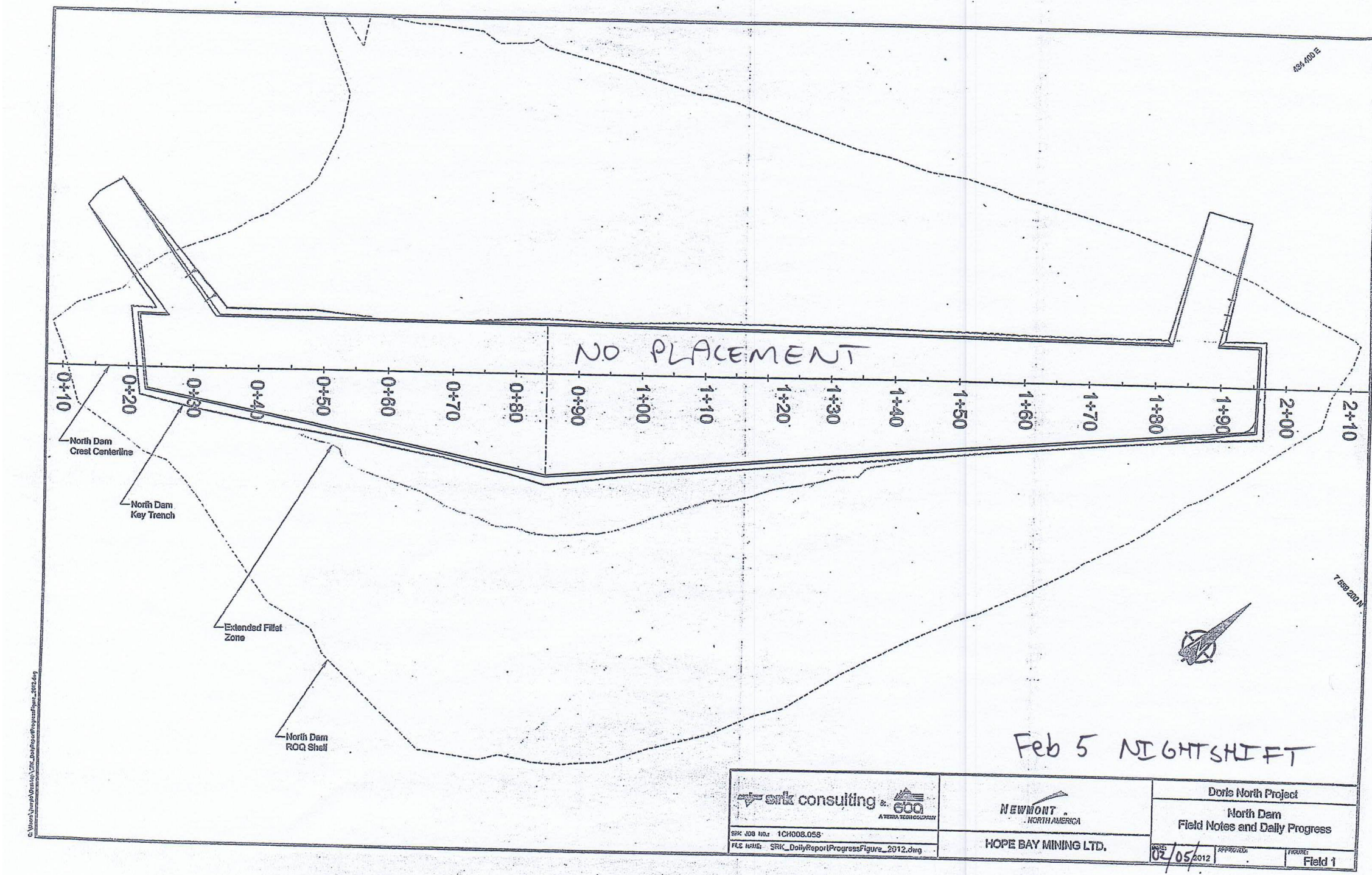


Figure 2 – North Dam Progress – February 5th NIGHTSHIFT

