SRK Consulting (Canada) Inc.
Suite 2200 - 1066 West Hastings
Street Vancouver, BC V6E 3X2

T: +1.604.681.4196
F: +1.604.687.5532

vancouver@srk.com
www.srk.com

DAILY REPORT #115 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lowell Wade	Date: 2012.04.29	
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 Yes No Yes
	JDS	Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Mark Valeriote – 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 Superintendent Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Foreman Jordan Gunter – Foreman (Day Shift) Mike MacMaster – Surveyor Mike Price – Field Engineer Rick Peter – Foreman (Night Shift) Trevor Sorken – Superintendent	No No Yes No Yes No No Yes Yes Yes
External Distribution List:	SRK: Maritz Rykaart, Lowell Wade, Seema Kang, Silkie Wong EBA: Robert Zschuppe ; Nuna: Chris Petrovic; HBML: Dave Power		
This Construction Daily Report is produced as an internal communication document between SRK site and head office staff. Any distribution of this report outside of SRK is done as a courtesy, and the information contained in this report are for information only to those external parties.			

WEATHER (ROBERTS BAY)

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

Temperature/Wind Chill (°C)	6AM: -8.1/-18.6	12PM: -7.3/-13.3	6 PM: -8.9/-17.9	12 AM: -10.3/-17.9
Precipitation (mm)	**Rain:** 0.5		**Snow:** Light in late afternoon	
Conditions	**Day Shift:** Overcast, moderate winds from the WNW. Light snow in the late afternoon		**Night Shift**: N/A.	
Daily norms (°C)	24 hour high: -10.3		24 hour low: -18.3	

HEALTH, SAFETY AND ENVIRONMENT

- Attended the weekly Safety Meeting
  - There was an incident of a damaged spill response seacan at Roberts Bay
  - Wildlife
    - The results of the hair sang DNA study indicates there are 31 grizzlies within the area
    - Please report all wildlife sightings including tracks
    - There is a reduced number of wildlife reports this year
    - The Wildlife Response Team is being organized
    - Keep seacans closed to prevent wildlife from entering
  - Safety
    - Keep the cabs and boxes of pick-up trucks clean
    - Please make sure log-books are kept up-to-date
    - TFLR cards are being completed

COMMENTS, CORRESPONDENCE, AND ACTIVITIES

DAILY MEETING WITH NUNA AND HBML TEAM:

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

Topic	Status
Health and Safety and Environment	• Safety: o A seacan was contacted by a piece of equipment. o Traffic signage around the new Doris Fuel Tank Farm needs to be prepared and posted around camp and at the new Fueling Station. o The Concrete Batch Plant is to be de-constructed. Proper JHA's should be prepared. • ESR: o Consolidate all empty Enviro-Tanks on the Reagent Pad o Consolidate all Insta-Berms. Contaminated snow within the Insta-Berms to be removes and placed in the Landfarm.
North Dam	• Drilling at the North Dam to commence today. • Clean-up at Windy continues. • Excavation for pipe sleeve across the Secondary Road by Pad F today.
Water Management Structures	• Nothing to report
General	• Nothing to report

SURVEY [TO BE VERIFIED]:

Required	• The following as-built files for the North Dam: o Final compiled Core surface and linework o Final compiled upper GCL surface and linework (including patches) o Final compiled lower GCL surface o Final compiled transition material surface and linework o Final compiled overliner material surface and linework o 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. o Survey monuments and any backfill materials associated with these monuments. • The following as-builts for the Doris Sumps: o Annulus crush backfill o Annulus overburden backfill • The following for the Doris Water Diversion Berm o Final compiled surface and linework of ROQ cover o Final compiled surface and linework of ROQ berm
Data Received	• None
Data Outstanding	• None
Data Upcoming	• The following as-built files for the North Dam: o Final compiled ROQ surface and linework o Final surface and linework of over thermosyphon crush (after compaction) o Instrumentation

MULTI-BEAD GROUND TEMPERATURE CABLES

- One of the ground temperature cables to be installed along the Doris-Windy bridge abutments was used for SRK-JT-12:
  - Serial Number TS3019 7pt 18 m.
  - The bead spacing and lead length is shown on the first attachment - IFC drawing R-17 [HB+D-CIV-CIV-OND-0009] Rev 0.
  - The elevations of the beads are unknown at this time
  - The following readings were recorded:
    - Bead #1 = -8.34^{o}C
    - Bead #2 = -7.52 ^{o}C
    - Bead #3 = -7.76 ^{o}C
    - Bead #4 = -7.89 ^{o}C
    - Bead #5 = -7.13 ^{o}C
    - Bead #6 = -3.88 ^{o}C
    - Bead #7 = -4.08 ^{o}C

WATER MANAGEMENT

- Removal of dirty snow from the proximity of the Tail Lake Discharge Pump intake line to prevent sedimentation issues.
- Removal of dirty snow beside the ice ramp on the east side of Doris Lake up past the thermosyphons

DAM SHELL:

- The collar elevations [referenced to as-built ROQ] and depth into original ground [referenced to original ground survey] has been used to determine the depths of boreholes required for the Inclinometer and Deep Settlement Points – second attachment
- Drilling of ND-IN-120-3 started:
  - Collar elevation = 33.719 m
  - Bottom of inclinometer casing elevation = 24.5 m [9.2 m]
  - Hoe drill had no problems drilling to 9.5 m depth. The down-hole hammer and the outer steel casing were inter-locked to allow for drilling and advancing the casing
  - Close to completion of the borehole the down-hole hammer broke free of the steel casing
  - The hoe-drill was able to remove the down-hole hammer but the sections of steel casing could not be removed.
  - Attempts to “break” the sections apart using the drill chuck crimped the steel casing close to the threads.
  - The decision was made to cut the steel casing into sections using an oxy-acetylene torch. Before the steel casing was removed from the borehole it was used to ream the hole in hopes the borehole

would stay open and allow for the Inclinometer casing to be installed

- Once the casing had been removed it was discovered the lead section of the outer steel casing had been sheared off.
- A tape measure was used to sound the borehole and determined the top of the outer steel casing was 7 m [EL 26.7 m] below the surface of ROQ.

GENERAL

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

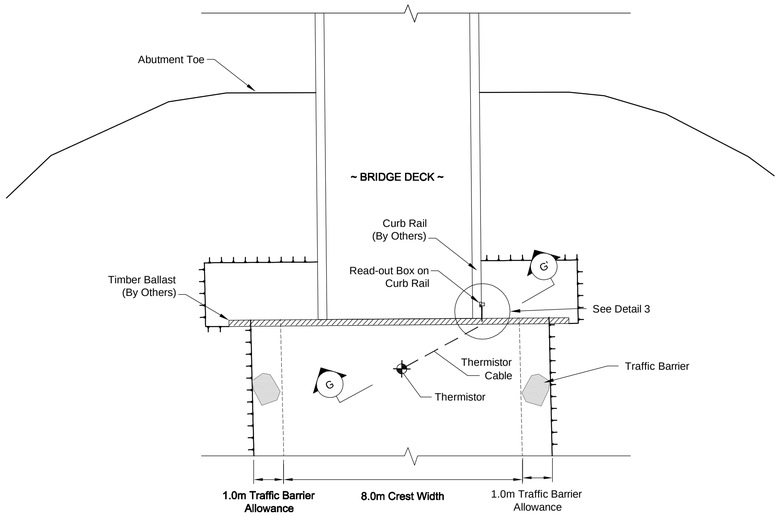
PHOTOS

Photo 1: Drilling ND-IN-120-3 using an 330 excavator with the hoe-drill.

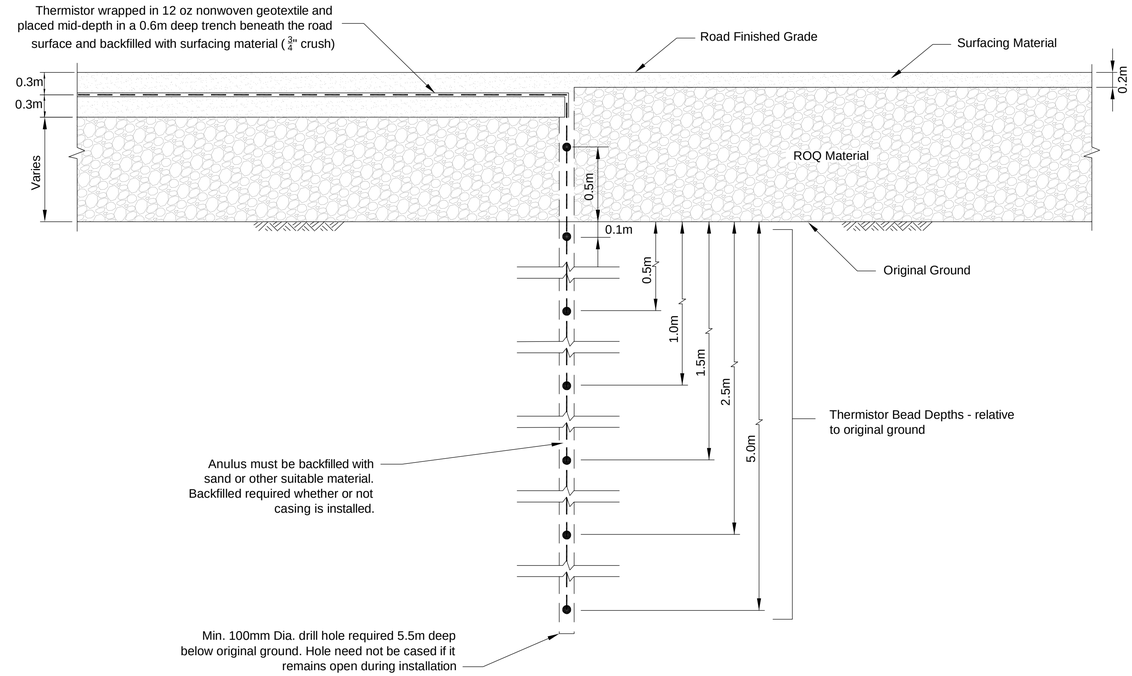
Photo 2: A sections of drill rod and outer steel casing being added to the drill stem.

Photo 3: The outer steel casing being cut to permit removal.

Photo 2: The cripped and cut steel casing. Overburden material was observed on the down-hole hammer rods and inside the steel casing.

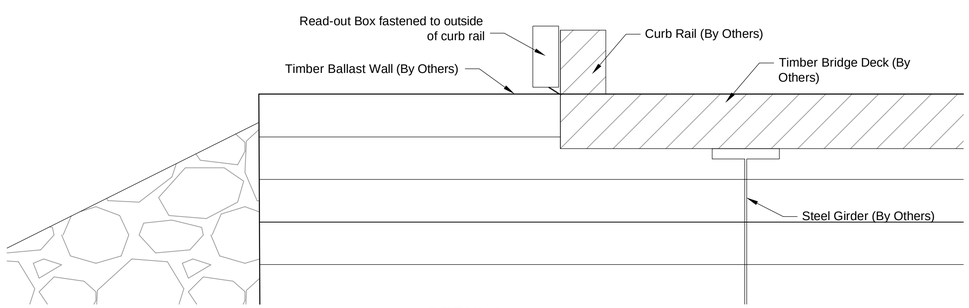


PLAN VIEW
TYPICAL THERMISTOR LAYOUT
Not to Scale



SECTION G - G'
TYPICAL THERMISTOR BEAD SPACING
Not to Scale

Doris-Windy Road Bridge Abutment Thermistor Details				
Thermistor ID	Northing	Easting	Total Length (m)	Thermistor Location Description
SRK10-DWB1	432703.4	7555673.5	18.0	Bridge 2 - North Abutment
SRK10-DWB2	432708.2	7555644.4	18.0	Bridge 2 - South Abutment
SRK10-DWB3	432712.8	755615.0	18.0	Bridge 3 - South Abutment
SRK10-DWB4	432444.0	7554860.3	18.0	Bridge 4 - North Abutment
SRK10-DWB5	732437.0	7554831.3	18.0	Bridge 4 - South Abutment



DETAIL 1
THERMISTOR READ-OUT BOX LOCATION
Not to Scale

Thermistor ID:

Cable Serial Number:

Installed Date:

DETAIL 2
TYPICAL READOUT BOX LABEL
Not to Scale

Legend:

Surfacing Material

ROQ Material (Run of Quarry)

NOTES

1. The Thermistors shall be RST Instruments (or equivalent approved by the Engineer) Standard Precision Thermistor Strings with 7 beads and single readout box.
2. The supplies required for the installation will be supplied by the the Contractor and can be field fitted with approval by the Engineer. The Contractor will be responsible for the instrument installation with aid and approval from the Engineer.
3. The locations of the Thermistors can be adjusted within limits of the cable lengths with approval by the Engineer.

DRAWING NO.	DRAWING TITLE	DRAWING NO.	DRAWING TITLE
-	-		

REFERENCE DRAWINGS

NO.	DESCRIPTION	CHK'D	APP'D	DATE
0	Issued For Construction	PM	EMR	26July10
A	Issued For Comment	PM	EMR	28May10

REVISIONS

Original Drawings Stamped and Signed by Engineer

PROFESSIONAL ENGINEER'S STAMP

SRK Consulting
Engineers and Scientists
Vancouver

DESIGN: PM | DRAWN: NGV/VY | REVIEWED: PM
CHECKED: PM | APPROVED: EMR | DATE: July 26, 2010

FILE NAME: DW Bridge Thermistors.dwg

NEWMONT
NORTH AMERICA

HOPE BAY MINING LTD.

SRK JOB NO.: 1CH008.027 | SRK DWG NO.: R-17

Doris North Project

DRAWING TITLE:
Typical Thermistor Installation Layout and Design

NEWMONT DRAWING NO. HB+D-CIV-CIV-OND-0009 | SHEET 17 of 17 | REVISION NO. 0

J:\01_SITES\Hope Bay\1CH008.007 Doris Windy Road Construction\040_AutoCAD\Doris Windy Route Rev4\DW Bridge Thermistors.dwg

QC D/S DSP's and Inclinometers. Cuts are referenced to existing ROQ.							
POINT	NORTHING	EASTING	COLLAR ELEVATION	DEPTH FROM COLLAR	Cased length	Lengh on Inc.	Inc. Sections
IN-120-2	7559166.61	434370.07	34.992	INCL C10.4	10.4	11.5	3 F + 2.35m
DSP-120	7559164.58	434372.36	35.703	DSP C6.5	7.6		
IN-120-1	7559163.30	434373.76	36.165	INCL C11.5	11.5	12.6	4 F + 0.40m
IN-120-3	7559170.04	434366.45	33.719	INCL C9.2	9.2	10.3	3 F + 1.15m
DSP-100	7559149.81	434358.80	35.7	DSP C8.9	10		
IN070-1	7559126.35	434340.07	36.321	INCL C14.0	14	15.1	4 F + 2.9m
DSP-070	7559127.67	434338.65	35.832	DSP C9.1	10.2		
IN-070-2	7559129.63	434336.39	35.072	INCL C13.1	13.1	14.2	4 F + 2.0m
IN070-3	7559133.07	434332.72	33.722	INCL C12.0	12	13.1	4 F + 0.90m