

REQUEST FOR INFORMATION

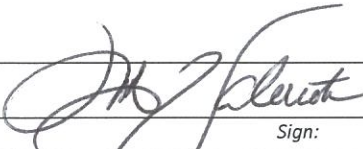
RFI NUMBER	JDS-RFI-006
ISSUE DATE (YY/MM/DD)	February 9, 2012
PRIORITY	H X M L
REQ'D RESPONSE DATE	February 14, 2012

Hope Bay Mining Project

Subject:	North Dam – Frozen Core Construction	Project Zone/Area:	Doris North Project
Company:	SRK Consulting (Canada) Inc.	Station/Location:	North Dam Sta. 0+70 to Sta. 1+20
Attention:	Lowell Wade	Discipline:	Civil

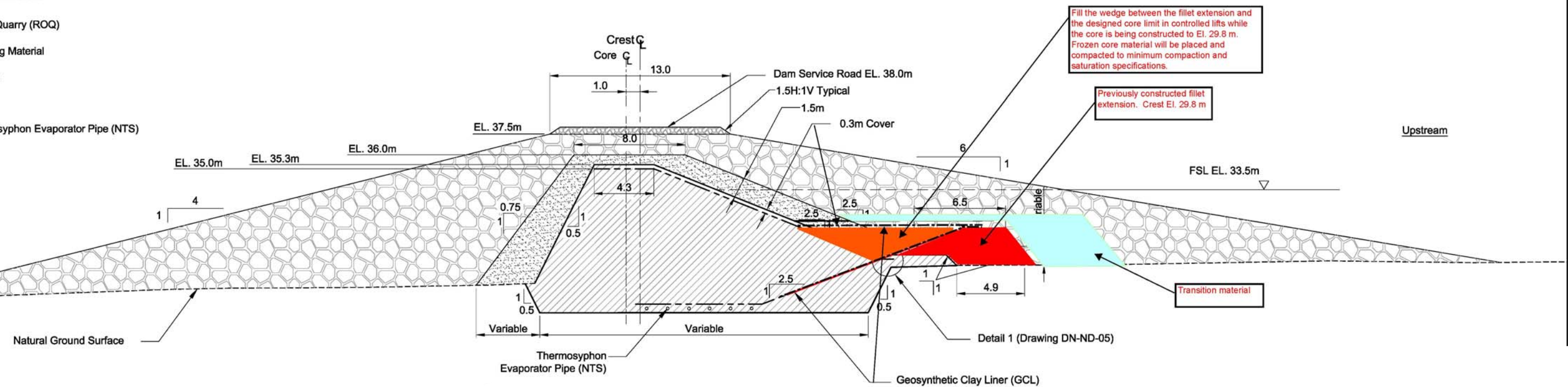
AFE:		Specification Number:	
Related Drawings:	SRK DWG. NO: DN-ND-02	Related Documents:	
	Sketch attached.		

Related WBS Code		WBS Code Description:	

Information Request/Description of Issue/Approval Required:
Proposed Corrective Action:
It is our intent to construct the frozen core to El. 29.8 m in controlled lifts that meets the compaction and saturation criteria. This construction methodology will fill the wedge between the design core lines along the upstream side of the core superstructure and the previously constructed fillet extension between Sta. 0+70 and Sta. 1+20. The upper GCL panels will overlap the lower GCL panels by the required 1.0 m on the horizontal plane of the fillet extension at El. 29.8 m. The upper GCL panels will extend on the horizontal plane at El. 29.8 m to the point where they meet the 2.5H:1V upstream slope of the frozen core where they will then continue as per the IFC drawings. The minimum GCL cover (0.3 m) dimension and subsequent minimum cover of transition material will be maintained.
Originator: Mark Valeriote
Print:  Sign: Date: Feb. 8, 2012

Cost Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
Schedule Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
Source for Communication	<input checked="" type="checkbox"/> Owner Change	<input type="checkbox"/> Clarification/Info
	<input type="checkbox"/> Vendor Change	<input checked="" type="checkbox"/> Designer Change
		<input type="checkbox"/> Constructor Change
		<input type="checkbox"/> Other
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<input type="checkbox"/> Corrective Action Approved	<input type="checkbox"/> Correct as Follows:
Response:	
Responsible Newmont Representative:	
Print:	Sign: Date:





REQUEST FOR INFORMATION

RFI NUMBER	NL-RFI-				
ISSUE DATE (YY/MM/DD)					
PRIORITY	H		M		L
REQ'D RESPONSE DATE					

Hope Bay Mining Project

Subject:	Road culverts	Project Zone/Area:	Doris North
Company:	JDS	Station/Location:	0+000
Attention:	Maritz Rykaart	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0166	Related Documents:	
	HB+D-CIV-CIV-OND-0168		

Related WBS Code	3DAA76030	WBS Code Description:	Doris North Diversion Berm

Information Request/Description of Issue/Approval Required:

Site requests permission to deviate from the specified culvert size on the drawing, due to the fact that the culvert specified is not readily available on site.

Proposed Corrective Action:

It is proposed that the culvert size be changed from (2) 24" culverts to (2) 20" culverts. This request for approval is based on the sizing chart that was provided from SRK displaying the suitable requirements for handling the water volume from a 1:100 storm event. The chart states that (2) 20" culverts are suitable.

Originator:

Print: Kevin Whieldon

Sign:

Date: Feb. 3/12

Cost Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Schedule Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Source for Communication	<input checked="" type="checkbox"/> Owner Change	<input type="checkbox"/> Clarification/Info	<input type="checkbox"/> Constructor Change
	<input type="checkbox"/> Vendor Change	<input type="checkbox"/> Designer Change	<input type="checkbox"/> Other

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☐ Corrective Action Approved

☐ Correct as Follows:

Response:

SRK agrees two (2) 20" diameter culverts can be used instead of the two (2) 24" culverts shown on DN-WDB-03. The e-mail correspondence providing the culvert sizing chart, referred to above, is attached.

Responsible Newmont Representative:

Lowell Wade

Print:

Sign:

February 6, 2012

Date:

Wade, Lowell

From: Rykaart, Maritz
Sent: Wednesday, February 01, 2012 3:51 PM
To: Calvin Goldschmidt (Calving@jdsmining.ca); Kevin Whieldon (kevinw@jdsmining.ca)
Cc: Ishan Fechter (ishanf@jdsmining.ca); Wade, Lowell
Subject: Diversion Berm Culvert Sizing

Kevin

As discussed when we did the original culvert sizing we were told that we need to base it on the available culvert sizing on site which was 24-inch. Clearly that was incorrect information. In any event the solution are as follows if we don't limit ourselves to that criteria:

METRIC (mm)	Storm Event	
# Pipes	1:100	1:25
1 Pipe	700	600
2 Pipes	500	400
3 Pipes	400	400
4 Pipes	400	300

IMPERIAL (in)	Storm Event	
# Pipes	1:100	1:25
1 Pipe	28	24
2 Pipes	20	16
3 Pipes	16	16
4 Pipes	16	12

From a practicality and freeze-up perspective we would recommend that you not go smaller than 500mm (20 inches).

Please note that the reason these sizes are different than the outflows from the Ponds (Calvin's question) are associated with catchment size and flood attenuation. Smaller catchments has smaller times of concentration, and the filling of the pond allows attenuation which allows the peak flow intensity to be reduced. I would be happy to explain this further if you like.

Regards
Maritz

Maritz Rykaart *Ph.D., P.Eng.*
Principal Consultant



SRK Consulting (Canada) Inc.

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Email: mrykaart@srk.com

www.srk.com

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REQUEST FOR INFORMATION


RFI NUMBER	NL-RFI-78
ISSUE DATE (YY/MM/DD)	21/01/2012
PRIORITY	H <input type="checkbox"/> M <input checked="" type="checkbox"/> L <input type="checkbox"/>
REQ'D RESPONSE DATE	23/01/2012

Hope Bay Mining Project

Subject:	Diversion Berm Bentonite Detail	Project Zone/Area:	Doris North
Company:	Newmont	Station/Location:	Diversion Berm North of camp
Attention:	Lowell Wade (SRK)	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0165	Related Documents:	
	HB+D-CIV-CIV-OND-0166		
	HB+D-CIV-CIV-OND-0167		
	HB+D-CIV-CIV-OND-0168		
	HB+D-CIV-CIV-OND-0169		

Related WBS Code	NA	WBS Code Description:	NA

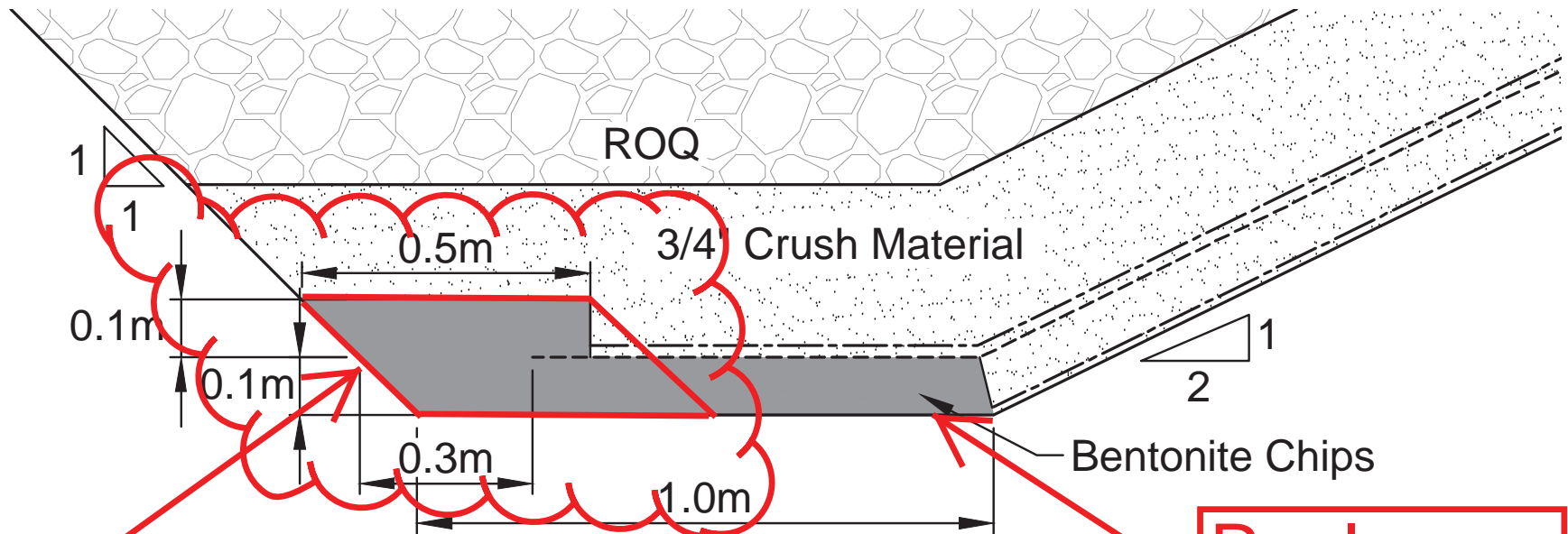
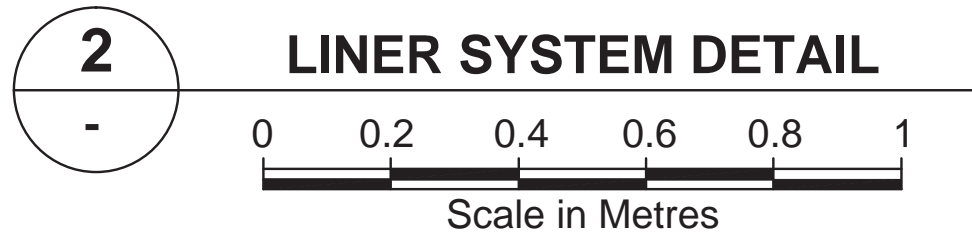
Information Request/Description of Issue/Approval Required:	
To reduce the quantity of Bentonite required in the bottom of the keytrench to seal the HDPE liner interface.	
Proposed Corrective Action:	
<ul style="list-style-type: none"> Instead of placing the bentonite the full width of the keytrench in a 0.1 meter lift, EPCM proposes to place a bentonite plug at the liner to crush interface. The underliner bentonite layer downstream of the bentonite plug would be replaced by crush. 	
See attached drawing.	
Originator:	Ishan Fechter
Print:	Sign: 
	Jan. 21, 2012
	Date:

Cost Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	(Reduced Cost)
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Schedule Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	(Reduced labour + equipment hours)
Source for Communication	<input type="checkbox"/> Owner Change	<input type="checkbox"/> Clarification/Info	<input checked="" type="checkbox"/> Constructor Change
	<input type="checkbox"/> Vendor Change	<input type="checkbox"/> Designer Change	<input type="checkbox"/> Other
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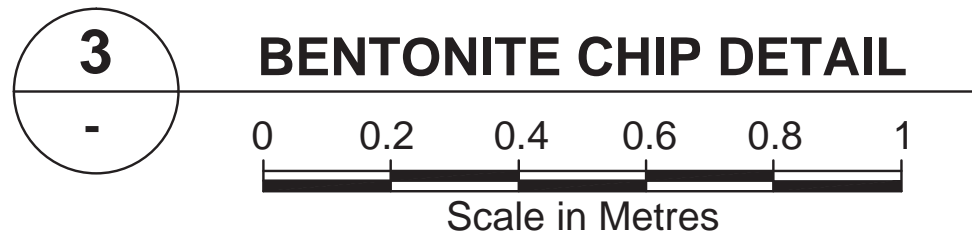
☐ Corrective Action Approved ☐ Correct as Follows:

Response:
<p>SRK does not agree with the proposed modification and recommends the IFC design, as provided, be followed. The longer zone of bentonite chips under the liner has been designed to reduce the potential hydraulic gradient due to the longer seepage path which will reduce the risk of seepage under the liner. The proposed Bentonite Plug does not address the potential hydraulic gradient issue.</p>
Responsible Newmont Representative:
Lowell Wade
January 23, 2012
Print: Sign: Date:

NL-RFI-78



Bentonite Plug



Replace with Crush

REQUEST FOR INFORMATION

RFI NUMBER	NL-RFI-079				
ISSUE DATE (YY/MM/DD)	21/01/2012				
PRIORITY	H	x	M	L	
REQ'D RESPONSE DATE	23/01/2012				

Hope Bay Mining Project

Subject:	Sumps Annulus	Project Zone/Area:	Doris North
Company:	Newmont	Station/Location:	Sumps 1 and 2
Attention:	Lowell Wade (SRK)	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0153	Related Documents:	

Related WBS Code	NA	WBS Code Description:	NA
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Information Request/Description of Issue/Approval Required:

To confirm the maximum annulus acceptable for the sump excavation, as discussed by conference call with Maritz Rykaart SRK on Jan. 11. During that conference call the annulus of 300 mm was approved by Maritz Rykaart..

Proposed Corrective Action:

Please officially confirm that the 300 mm annulus is approved.

Originator: Ishan Fechter

Print:

Sign:

Jan. 21, 2012

Date:

Cost Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	(Reduced Cost)
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Schedule Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	(Reduced labour + equipment hours)
Source for Communication	<input type="checkbox"/> Owner Change	<input type="checkbox"/> Clarification/Info	<input checked="" type="checkbox"/> Constructor Change
	<input type="checkbox"/> Vendor Change	<input type="checkbox"/> Designer Change	<input type="checkbox"/> Other

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☐ Corrective Action Approved

☐ Correct as Follows:

Response:

A conference call on January 11, 2012 was held to discuss the sump installation. Those in attendance were: JDS [Jerry Graham, Kevin Whieldon], Nuna [Mike Price, Simon Chipper, Nick Stoneberger, Kevin Oakes], SRK [Lowell Wade, Maritz Rykaart], Newmont ESR [Katsky Venter, Angela Holzapfel]. It was agreed the maximum annulus for the sump excavation is 0.3 m. A leveling course of 5/8" material will be place in the base of the excavation to level the sump and the annulus will be backfilled with 5/8" clear material up to 1 m below grade. The upper 1 m of the annulus will be backfilled with the excavated original ground and covered with coconut matting. The lid of the sump will be increased in diameter to ensure the area of disturbance, caused by the excavation, will be protected from direct exposure to the sun.

Responsible Newmont Representative:

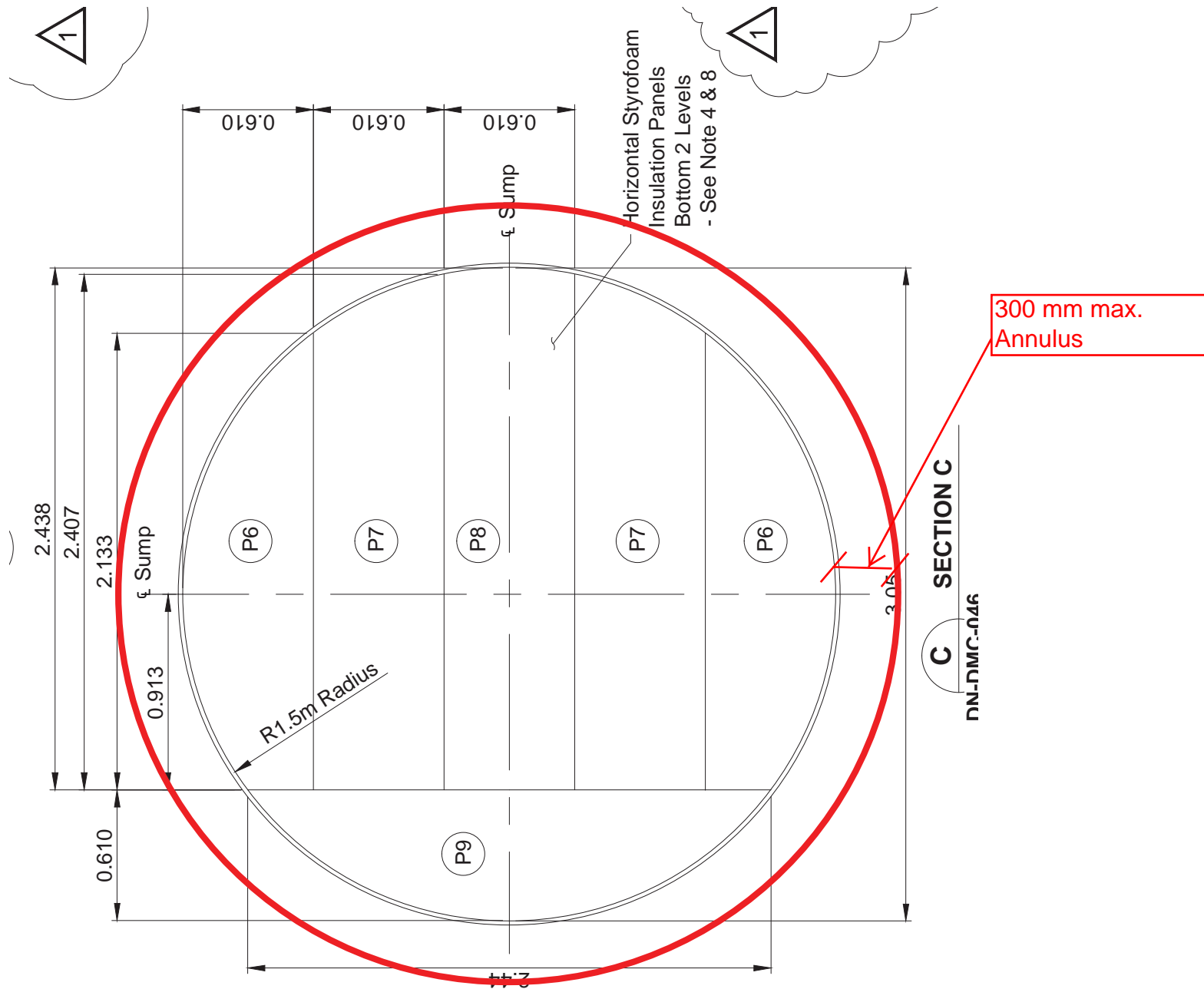
Lowell Wade

Print:

Sign:

January 23, 2012

Date:



NOTES

1. Fill all insulation gaps with self-expanding foam caulking.
2. Concrete reinforcement rebar, 10M or equivalent, should be used to manufacture the retaining brackets.



3. The corrugated steel culvert to be used shall be of minimum 3,050 mm nominal diameter with 25 mm depth and 125 mm pitch, or larger, corrugations. Wall thickness shall be no less than 2.8mm.

4. The insulation sheets shall be of type STYROFOAM Highload 40 manufactured by Dow Chemical Company, or equivalent. Adjacent layers of horizontal Styrofoam Insulation shall be rotated by 90 degrees.

5. Special excavation techniques shall be considered for inserting the culvert into the ground. The maximum annulus depth between the outside edge of the culvert and the excavation shall be 25mm. No excavation into the tundra is permitted, outside the culvert footprint. A 10 m buffer zone on the undisturbed tundra around the culvert shall be established, and no tracked or wheeled construction equipment is allowed within this buffer zone.

6. The size and type of pump shall be specified by others, but no continuous or intermittent heat source shall be located within the sump.

Styrofoam
panels
levels
4 & 8



7. All openings cut into the insulated lid shall be properly re-sealed, as to not compromise the lid's insulating capacity.
8. Contractor to place insulation by cutting to suit. Insulation to be fastened to lid by using suitable adhesive or appropriate fasteners.
9. Arc and resistance welding of the sump and sump lid to be in accordance with CSA standards W59 and W55.3, for all procedures and practices. Refer to CSA standard W48 (Clause 5.1.8 of CAN/CSA-S16-01 Limit States Design of Steel Structures) for welding electrodes.

300 mm



NING LIMITED

DORIS NORTH PROJECT

DRAWING TITLE:

Doris Camp Sump Section and Details

DRAWING NO.

HB+D-CIV-CIV-OND-0153

SHEET

48 OF 48

REVISION NO.

1

SRK DWG NO.: DN-DMC-046

REQUEST FOR INFORMATION

RFI NUMBER	JDS-RFI-080				
ISSUE DATE (YY/MM/DD)	2012/01/22				
PRIORITY	H	<input checked="" type="checkbox"/> X	M		L
REQ'D RESPONSE DATE	2012/02/09				

Hope Bay Mining Project

Subject:	GCL Cover Material	Project Zone/Area:	Doris North
Company:	SRK Consulting (Canada) Inc.	Station/Location:	North Dam
Attention:	Maritz Rykaart / Lowell Wade	Discipline:	Civil

AFE:		Specification Number:	Technical Specifications Rev. "G"
Related Drawings:	SRK North Dam IFC Drawing Package	Related Documents:	Section 5.2.7 Core Material
	SRK Drawing No: DN-ND-02		Section 6.4.3 GCL Cover

Related WBS Code	3DJA2025	WBS Code Description:	North Dam Construction

Information Request/Description of Issue/Approval Required:

SRK Drawing No: DN-ND-02 (refer to attachment) shows 0.3 m of cover material placed above the upper panel of GCL. The cover material is illustrated as being "core material". The cover material refers to the material upstream and on top of the upper GCL placed on the upstream slope and over the crest of the frozen core material. Technical Specifications Revision "G" Section 5.2.7 Core Material, Table 5.4 (refer to attachment) provides the particle size distribution limits. Technical Specifications Revision "G" Section 6.4.3 GCL Cover (refer to attachment) outlines the parameters with placing cover material. Technical Specifications Revision "G" Section 6.4.3 GCL Cover specifies the material must be compacted to a maximum of 90% of the maximum dry density (ASTM D698) to prevent damage to the GCL.

It is our intent to use granular material that was processed between mid-January up until the beginning of March 2011. This material meets the particle size distribution limits noted above.

Proposed Corrective Action:

It is our intent to use granular material that was processed as frozen core material prior to March 2011. This material meets the particle size distribution limits outlined in Technical Specifications Revision "G" Section 5.2.7 Core Material, Table 5.4.

Originator: Mark Valeriotte (JDS Energy & Mining Inc.)

2012/01/22

Print:

Sign:

Date:

Cost Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
Schedule Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
Source for Communication	<input type="checkbox"/> Owner Change	<input checked="" type="checkbox"/> Clarification/Info
	<input type="checkbox"/> Vendor Change	<input type="checkbox"/> Designer Change
		<input type="checkbox"/> Constructor Change
		<input type="checkbox"/> Other

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☐ Corrective Action Approved

☐ Correct as Follows:

Response:

The proposal of placing granular material, processed as frozen core material prior to March 2011, over the GCL is acceptable. As mentioned above all the lines and grades shown on the IFC Drawings and the appropriate sections of Technical Specifications Rev. G are to be maintained.

Responsible Newmont Representative:

Lowell Wade



January 23, 2012

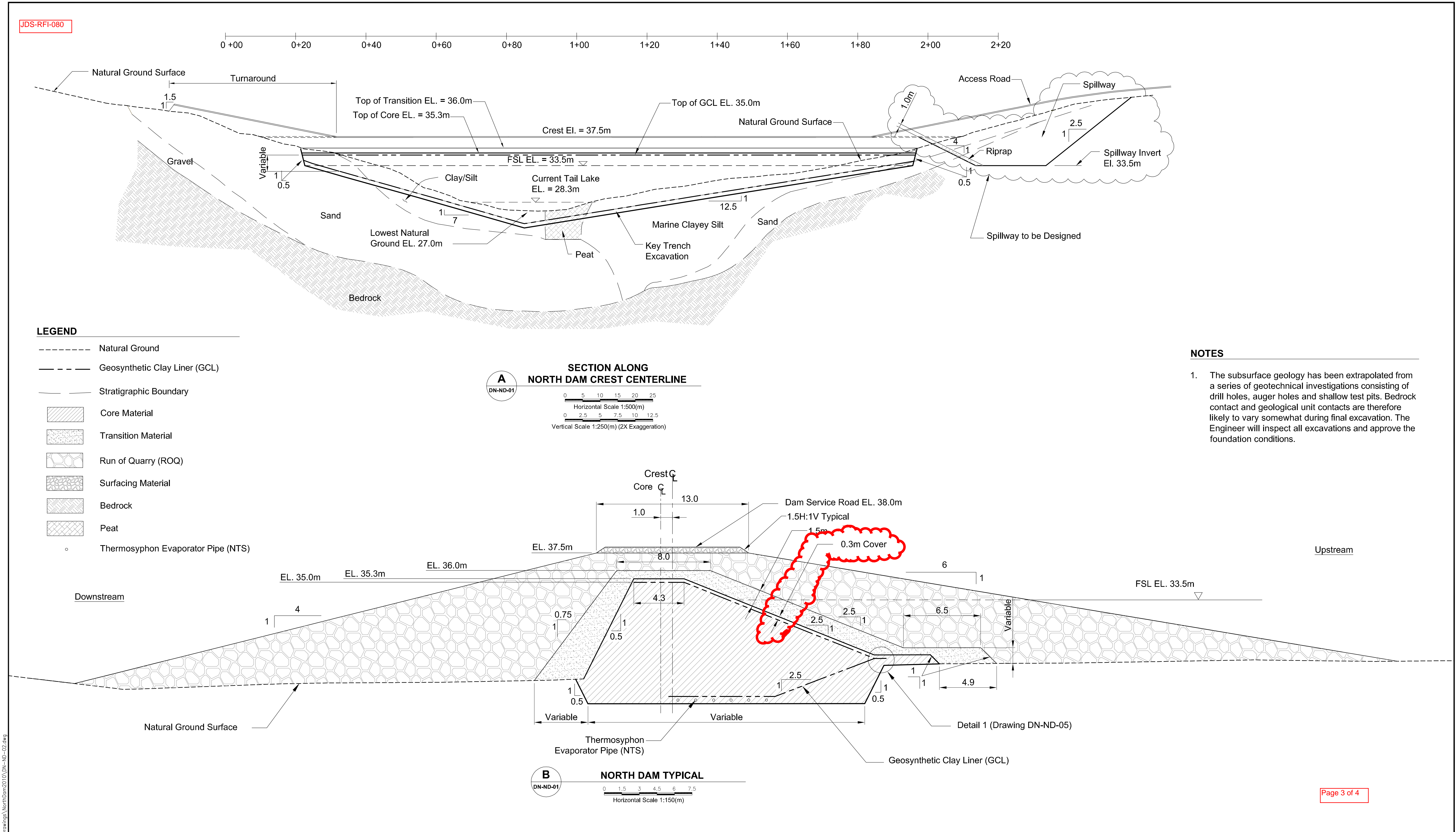
Print:

Sign:

Date:

6.4.3 GCL Cover

1. The cover material refers to the material upstream and on top of the upper GCL placed on the upstream slope and over the crest of the frozen Core material.
2. The cover material shall be placed in such a manner that it is pushed across the seams from the overlap roll to the underlap roll. Care must be taken to not push aggregate between the seam overlap. Equipment shall push the cover material ahead of the equipment, and never travel directly on the GCL.
3. The cover material shall comprise Core material as specified in Section 5.
4. Uncovered edges of GCL panels shall be protected with a waterproof sheet adequately secured with ballast, if the GCL installation sequence is delayed for a period in excess of 12 hours or the edges remain exposed for a period in excess of 12 hours.
5. The cover material shall be placed with the minimum thickness of 300 mm over the GCL.
6. The cover material shall be placed with low ground pressure equipment. Care should be taken to avoid damaging the GCL by not making sharp turns or pivots with equipment as well as sudden starts or stops.
7. A minimum thickness of 500 mm to 900 mm of cover, as determined by the Engineer, shall be kept between heavy equipment and the GCL at all times, except during final-grading. Heavy vehicles should not be driven directly on the GCL until the proper thickness of cover has been placed.
8. The first fill of Cover material over the GCL shall be compacted to a maximum of 90% of the maximum dry density (ASTM D698) or as specified by the Engineer to prevent damage to the GCL. Subsequent lifts, if required, of the Cover material over the GCL shall be compacted to 95% of the maximum dry density (ASTM D698). Moisture conditioning may be required to achieve the specified level of compaction.
9. The cover material should be pushed up-slope to minimize tension on the GCL when covering GCL on sloped areas.
10. Precautions shall be taken to prevent damage to the GCL by restricting the use of heavy equipment over the GCL.



- NOTES**
1. The subsurface geology has been extrapolated from a series of geotechnical investigations consisting of drill holes, auger holes and shallow test pits. Bedrock contact and geological unit contacts are therefore likely to vary somewhat during final excavation. The Engineer will inspect all excavations and approve the foundation conditions.

J:\A01 - SITE\Hope Bay\ACAD\2010 Drawings\NorthDam\2010\DN-ND-02.dwg

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Table 5.4: Core material particle size distribution limits

Particle Size (mm)	% Passing
20.0	100
12.5	65-100
5.0	45-70
0.63	15-35
0.08	4-10



REQUEST FOR INFORMATION

RFI NUMBER	JDS-RFI-081			
ISSUE DATE (YY/MM/DD)	21/01/2012			
PRIORITY	H	<input checked="" type="checkbox"/> X	M	L
REQ'D RESPONSE DATE	23/01/2012			

Hope Bay Mining Project

Subject:	Sumps #1 Location	Project Zone/Area:	Doris North
Company:	Newmont	Station/Location:	Sump 1
Attention:	Lowell Wade (SRK)	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0153	Related Documents:	

Related WBS Code	NA	WBS Code Description:	NA
------------------	----	-----------------------	----

Information Request/Description of Issue/Approval Required:

No final location provided by SRK for Sump #1.

Proposed Corrective Action:

Please provide the final location of Sump #1. This is time critical, as the drilling crew completed drilling the annulus of Sump #2 on Jan. 22, and will be moving on to Sump #1 in the morning. A final location is required immediately, or schedule impacts will result.

Originator: Ishan Fechter

Print:

Sign:

Jan. 22, 2012

Date:

Cost Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	(Increased Cost)
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Schedule Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	(Delayed Schedule)
Source for Communication	<input type="checkbox"/> Owner Change	<input type="checkbox"/> Clarification/Info	<input type="checkbox"/> Constructor Change
	<input type="checkbox"/> Vendor Change	<input checked="" type="checkbox"/> Designer Change	<input type="checkbox"/> Other

Note: RFI's are not authorized change documents and cannot be used to direct a change in contract requirements. If Newmont's response on the RFI has cost and/or schedule effect, it is the contractor's responsibility to immediately advise Newmont. Work undertaken without Newmont written authorization is at the contractor's risk and expense

☐ Corrective Action Approved

☐ Correct as Follows:

Response:

The original location of Sump 1 was selected to intercept the surface and subsurface flow of water that has come into contact with Mine Waste. When the location of Sump 1 was laid out at the location, shown on the IFC's, it was found to lay within the pipe bench along the south side of the Float Plane Dock Access Road. SRK's field engineers worked with Nuna's Surveyors to field fit a location that meets the original design intent but not interfere with existing infrastructure. The updated location for Sump 1 is N=7558068.7, E=433341.1 and is shown in Figure 1.

Responsible Newmont Representative:

Lowell Wade

Print:

Sign:

January 23, 2012

Date:

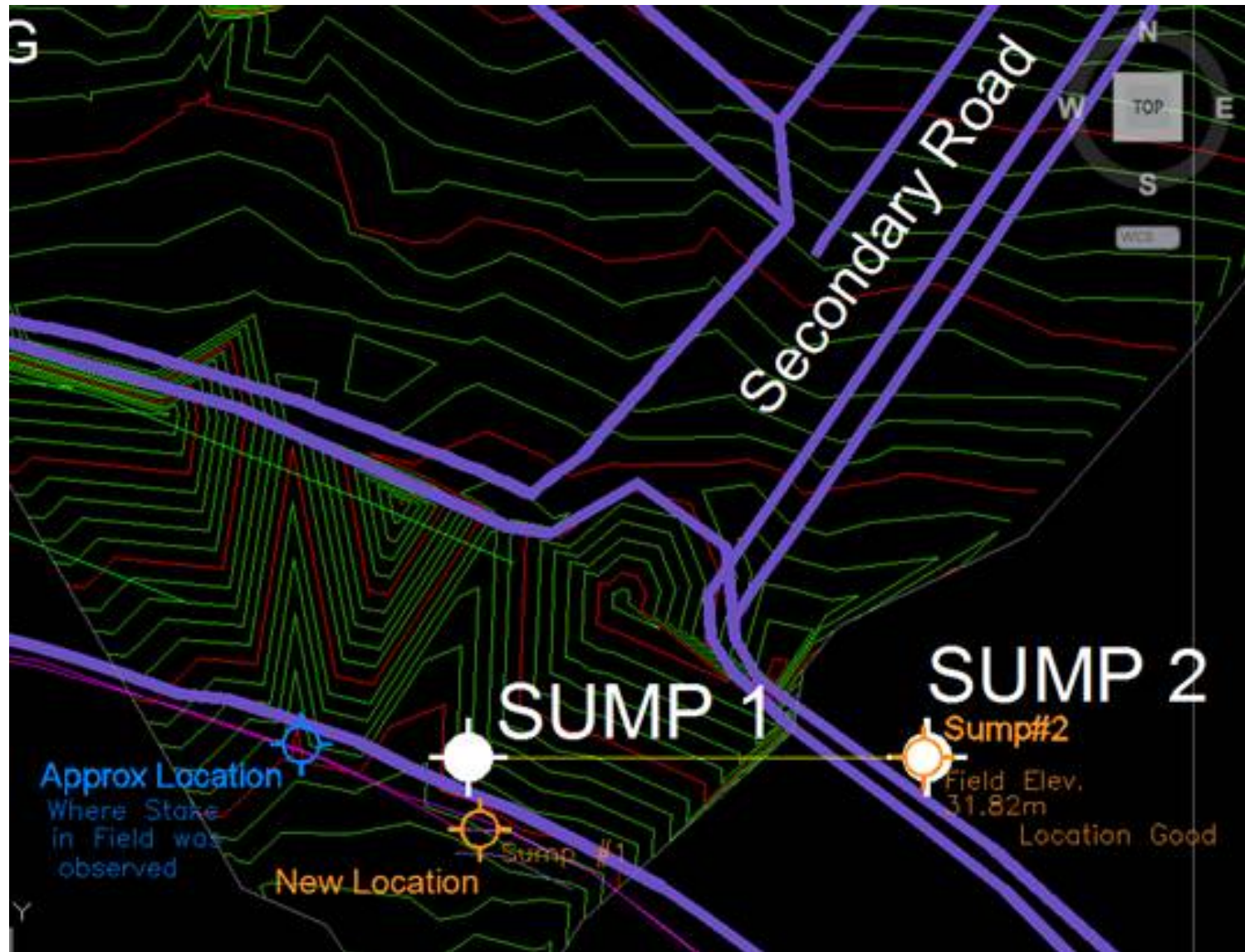


Figure 1. Updated location of Sump 1 shown as New Location.



REQUEST FOR INFORMATION


RFI NUMBER	NL-RFI-082
ISSUE DATE (YY/MM/DD)	January 31, 2012
PRIORITY	H <input checked="" type="checkbox"/> M <input type="checkbox"/> L <input type="checkbox"/>
REQ'D RESPONSE DATE	February 03, 2012

Hope Bay Mining Project


Subject:	Sump #2 Relocation	Project Zone/Area:	Doris North
Company:	Nuna Logistics Ltd. (Nuna)	Station/Location:	Sump #2
Attention:	Ishan Fechter, Kevin Whieldon, Doug Fielding, Jerry Graham	Discipline:	Civil

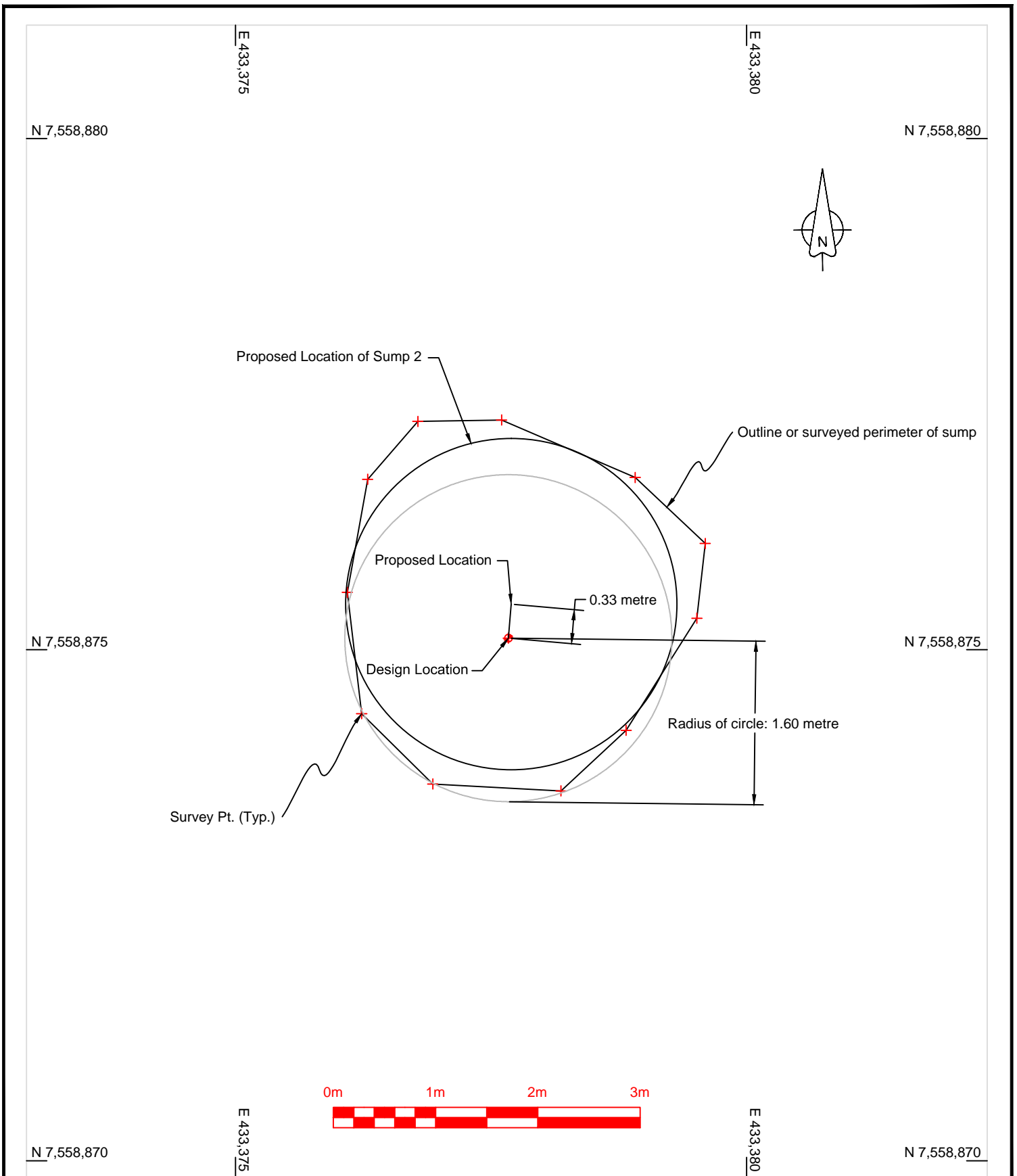
AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0153	Related Documents:	


Related WBS Code	NA	WBS Code Description:	NA

Information Request/Description of Issue/Approval Required:	
Due to the natural breakage of material from the walls of sump #2 during excavation, the sump center has shifted by 0.33m but still maintains the annulus tolerance.	
Proposed Corrective Action:	
Nuna is proposing to shift the Sump #2 location to the North by 0.33m. This would prevent the need to over excavate and keep the width of the annulus to a minimum.	
Originator:	Gary Sodhi
Print:	
	January 31st, 2012
	Date:

Cost Impact	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Per description above.
Detailed Estimate attached	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Schedule Impact	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Source for Communication	<input type="checkbox"/> Owner Change <input type="checkbox"/> Vendor Change	<input type="checkbox"/> Clarification/Info <input checked="" type="checkbox"/> Designer Change <input checked="" type="checkbox"/> Constructor Change <input type="checkbox"/> Other
<p>Note: RFI's are not authorized change documents and cannot be used to direct a change in contract requirements. If Newmont's response on the RFI has cost and/or schedule effect, it is the contractor's responsibility to immediately advise Newmont. Work undertaken without Newmont written authorization is at the contractor's risk and expense</p>		

<input type="checkbox"/> Corrective Action Approved	<input type="checkbox"/> Correct as Follows:
Response:	
<p>SRK agrees with the proposed corrective action to prevent over excavation and maintain a minimum annulus around the sump.</p>	
Responsible Newmont Representative:	Lowell Wade
Print:	
	February 2, 2012
	Date:



OWNER: NEWMONT NORTH AMERICA Hope Bay Mining Ltd.	PREPARED BY: NUNA Contracting Ltd. 9839 - 31 Avenue Edmonton, AB T6N 1C5				DORIS WATER MANAGEMENT
PROJECT: Doris North Project, Hope Bay, Nunavut	DRAWN BY: GC	SCALE: 1 : 50	DATE: Jan 31, 2012	DRAWING TITLE: Sump 2 Construction Outline of Current Excavation DRAWING NAME (YYMMDD): QC 120131 SUMP 2 Perimeter.dwg	

REQUEST FOR INFORMATION

RFI NUMBER	NL-RFI-083
ISSUE DATE (YY/MM/DD)	February 01, 2012
PRIORITY	H <input checked="" type="checkbox"/> M <input type="checkbox"/> L <input type="checkbox"/>
REQ'D RESPONSE DATE	February 05, 2012

Hope Bay Mining Project

Subject:	Sump Rebar Design	Project Zone/Area:	Doris North
Company:	Nuna Logistics Ltd. (Nuna)	Station/Location:	Sumps
Attention:	Ishan Fechter, Kevin Whieldon, Doug Fielding, Jerry Graham	Discipline:	Civil

A/E:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0153	Related Documents:	

Related WBS Code	NA	WBS Code Description:	NA

Information Request/Description of Issue/Approval Required:

The sumps require a 0.1m thick concrete base to be poured on top of the insulation. This concrete will be poured into the bases at the concrete batch plant, prior to transportation and installment so that heating and hoarding at the sumps is not necessary. To ensure the concrete does not drop out of the sump bases during transportation and installment, reinforcement is required that has not been previously engineered.

Proposed Corrective Action:

The concrete will weigh around 1300 kg and the sumps are not designed to carry such dead loads. Nuna is proposing to install 15M reinforced steel bars embedded in the concrete and extending to the outside of the sump wall for support. See attached sketch for further details.

Originator: Gary Sodhi  February 1st, 2012

Print:


Sign:

Date:

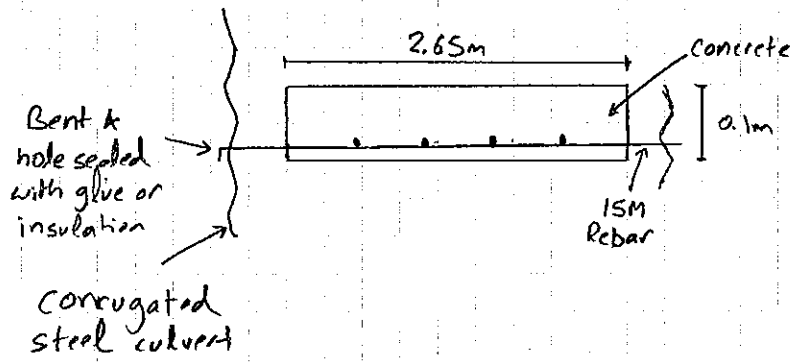
Cost Impact	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Per description above.
Detailed Estimate attached	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Schedule Impact	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Source for Communication	<input type="checkbox"/> Owner Change <input type="checkbox"/> Clarification/Info <input checked="" type="checkbox"/> Constructor Change	
	<input type="checkbox"/> Vendor Change <input checked="" type="checkbox"/> Designer Change <input type="checkbox"/> Other	

Note: RFI's are not authorized change documents and cannot be used to direct a change in contract requirements. If Newmont's response on the RFI has cost and/or schedule effect, it is the contractor's responsibility to immediately advise Newmont. Work undertaken without Newmont written authorization is at the contractor's risk and expense

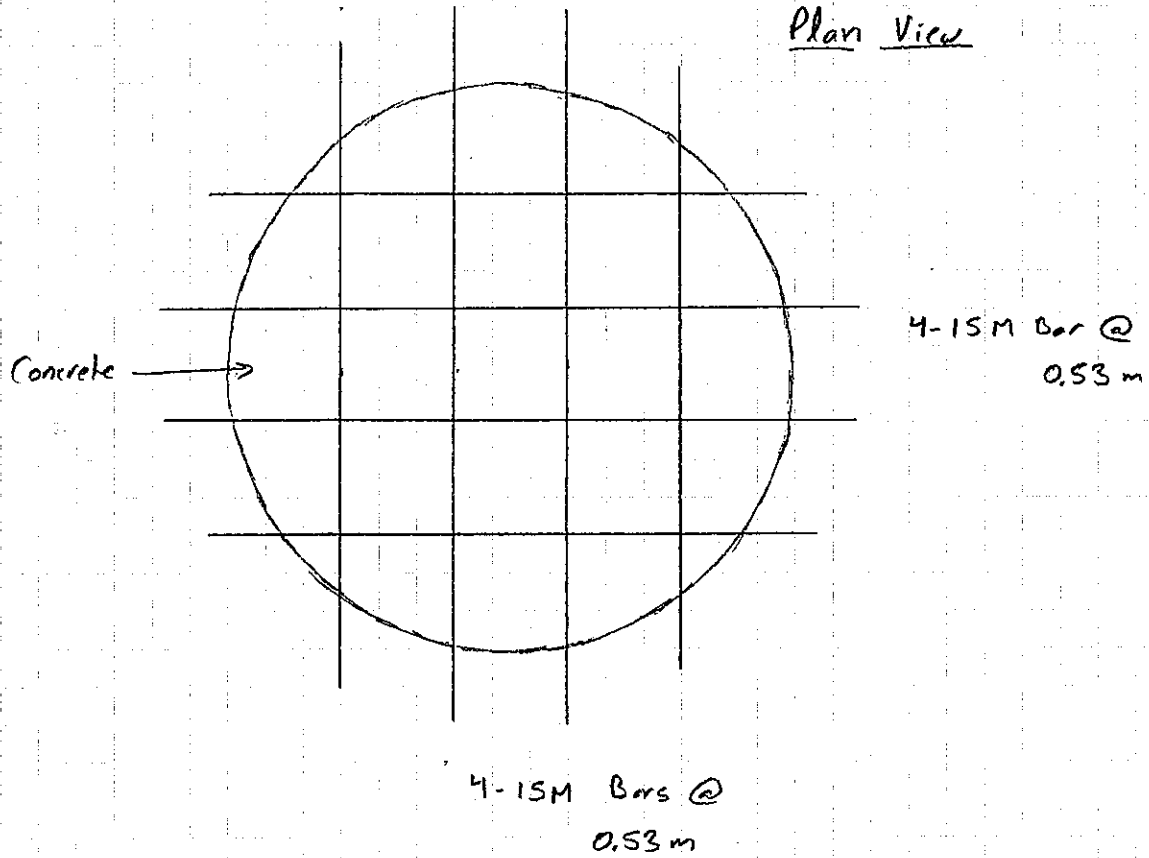
☐ Corrective Action Approved ☐ Correct as Follows:

Response:
SRK agrees with the proposed corrective action to facilitate sump fabrication. SRK has not completed, nor will complete, any structural design calculations for a self supporting steel reinforced concrete. SRK has left the design of a self supporting steel reinforced concrete up to the contractor.
Responsible Newmont Representative: Lowell Wade  February 2, 2012
Print: Sign: Date:

Profile View



Plan View





REQUEST FOR INFORMATION

RFI NUMBER	NL-RFI-084
ISSUE DATE (YY/MM/DD)	February 07, 2012
PRIORITY	H <input type="checkbox"/> M <input checked="" type="checkbox"/> X <input type="checkbox"/> L <input type="checkbox"/>
REQ'D RESPONSE DATE	February 15, 2012

Hope Bay Mining Project

Subject:	Sump Lid Detail	Project Zone/Area:	Doris North
Company:	Nuna Logistics Ltd. (Nuna)	Station/Location:	Alongside Float Plane Access Rd
Attention:	Doug Fielding, Jerry Graham c.c. SRK Consulting	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0153 (DN-DMC-046)	Related Documents:	

Related WBS Code	NA	WBS Code Description:	NA

Information Request/Description of Issue/Approval Required:

During a previous meeting that was held between Nuna, SRK and JDS, it was discussed that the sump lids would need to be constructed with a large enough diameter so as to completely overhang any areas of tundra that were excavated and disturbed during the installation. The excavated areas exceed the excavation illustrated on the drawings, and therefore the dimensions on the IFC's may not apply. It is understood that these lids, although sized and dimensioned on the IFC drawings, will need to be constructed to fit the field conditions and to meet the requirement noted above.

Proposed Corrective Action:

SRK to provide updated dimensions for 1.) Sump #2 based on as-built survey data provided by Nuna and 2.) Sump #1 once the location has been excavated and SRK has received the as-built survey data.

Originator:	Kevin Oakes		February 7 th , 2012
	Print:	Sign:	Date:

Cost Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Schedule Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Source for Communication	<input type="checkbox"/> Owner Change	<input checked="" type="checkbox"/> Clarification/Info	<input type="checkbox"/> Constructor Change
	<input type="checkbox"/> Vendor Change	<input type="checkbox"/> Designer Change	<input type="checkbox"/> Other

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☐ Corrective Action Approved ☐ Correct as Follows:

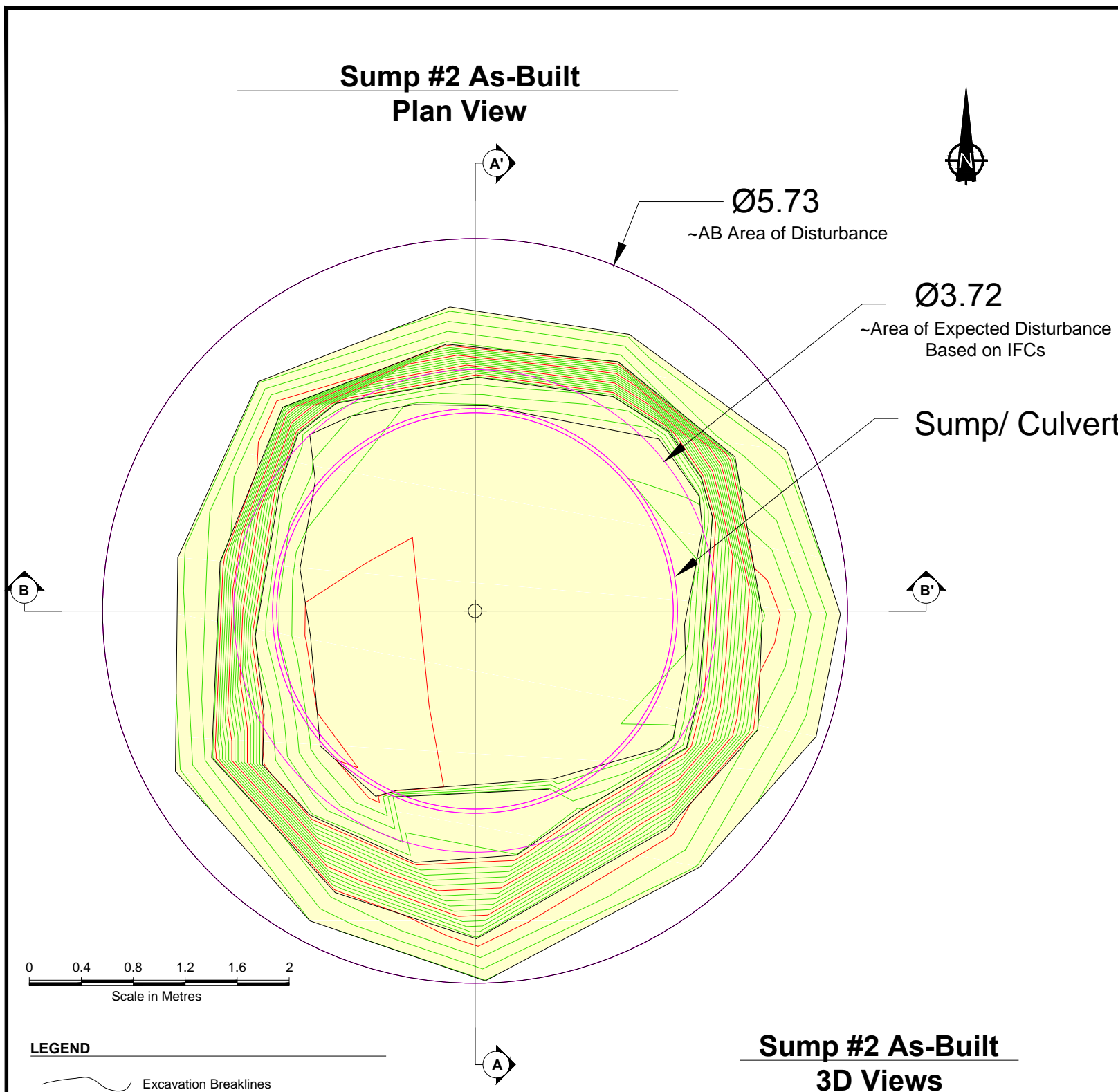
Response:

According to NL-RFI-079, SRK agreed to a maximum annulus of 300 mm around Sump #1 and #2 [Attachment 1]. The specific construction procedure for achieving this, including use of specific equipment, was discussed during a conference call on January 11th. As a result of this conference call Nuna submitted an up-dated Operational Work Plan [Attachment 2]. The as-built figure of Sump #2 shows a maximum annulus of 960 mm and in most cases is greater than 400 mm. In addition, the construction procedure as discussed during the January 11th conference call was not followed. Therefore the as-built result is entirely unacceptable to SRK, as Nuna did not follow the spirit in which the 300 mm annulus was allowed. Unfortunately this is not something that can be undone so SRK will proceed to analyze options to best address these problems, which may include a larger lid as well as other remedial measures.

SRK would like to advise that construction of Sump #1 should not proceed until Nuna revisits their own construction procedure for completing Sump #1 and demonstrate to SRK what improvements they will make in order to achieve the agreed upon 300 mm annulus.

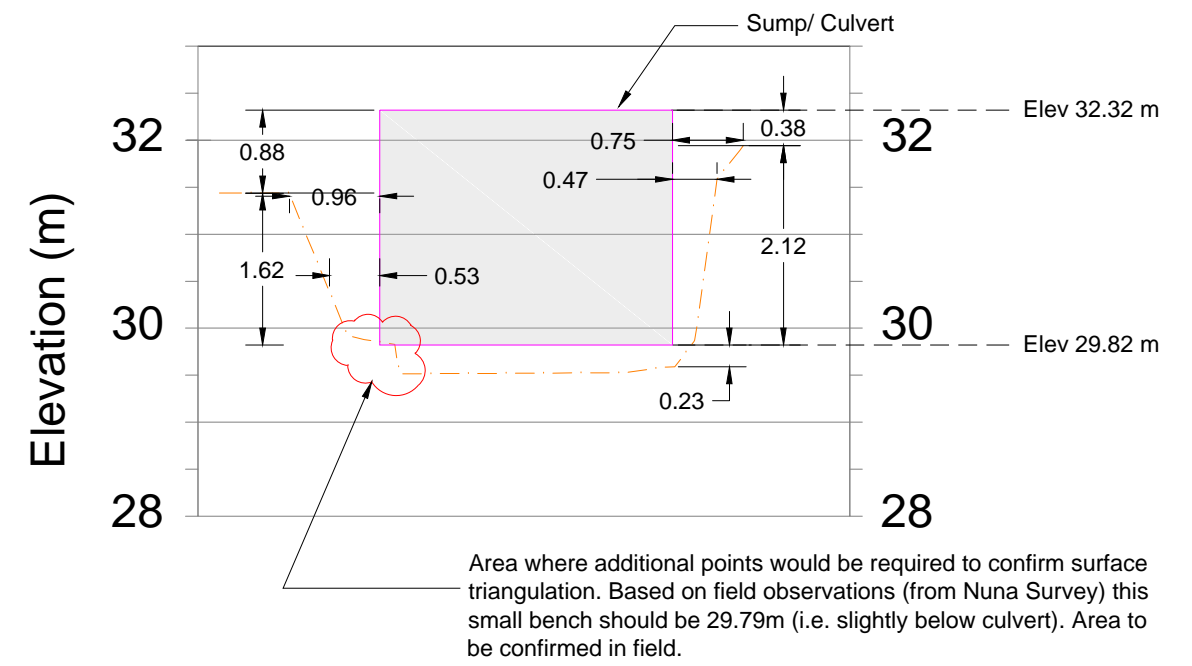
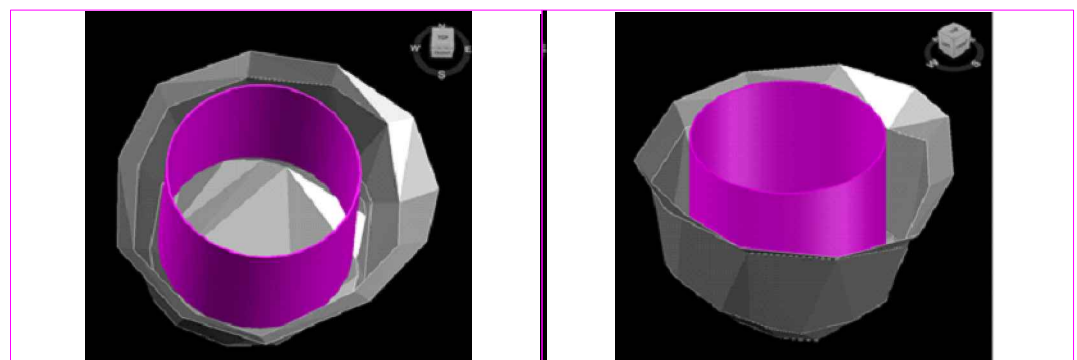
Responsible Newmont Representative:	Lowell Wade		February 8, 2012
	Print:	Sign:	Date:

Figure

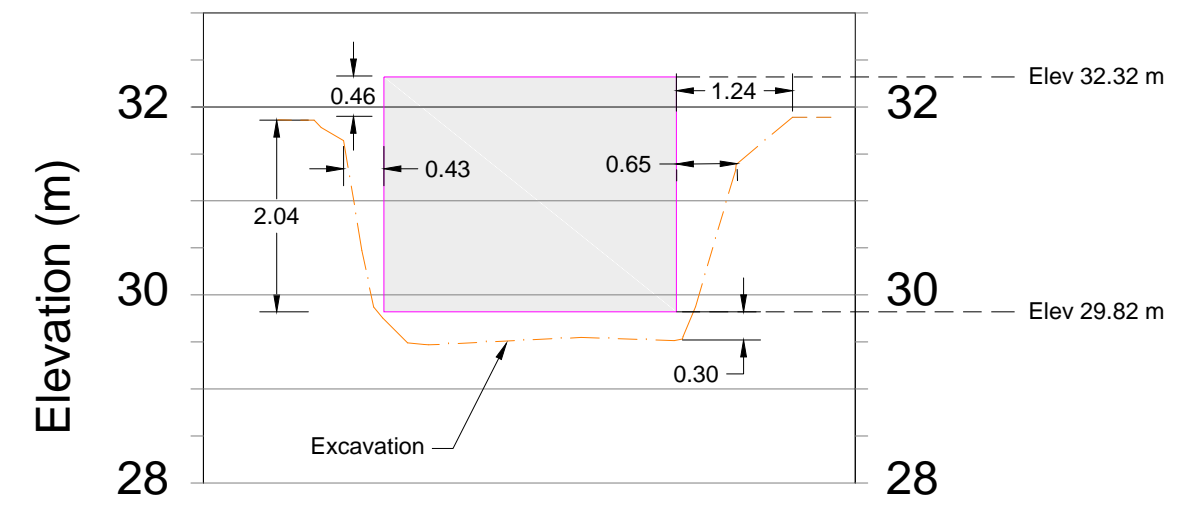


- LEGEND**
- Excavation Breaklines
 - 0.5 Major Contour Text (Design)
 - 0.1 Minor Contour Text (Design)
 - Sump/ Culvert (~3.05 inside and 3.12 outside dia)
 - Approx. Extent of Tundra Disturbance
 - Sump Excavation

Sump #2 As-Built 3D Views



Section A-A' (1x Vertical Exaggeration)



Section B-B' (1x Vertical Exaggeration)

		Doris North Project		
		Sump #2 Excavation Preliminary As-Built Review		
SRK JOB NO.: 1CH008.058	HOPE BAY MINING LIMITED	DATE: 2012/02/07	APPROVED: JBK/ LW	FIGURE: 1
FILE NAME: HB_DNSump#2_ABReivew_20120107.dwg				

Attachment 1
NL-RFI-079

REQUEST FOR INFORMATION

RFI NUMBER	NL-RFI-079
ISSUE DATE (YY/MM/DD)	21/01/2012
PRIORITY	H <input checked="" type="checkbox"/> M <input type="checkbox"/> L <input type="checkbox"/>
REQ'D RESPONSE DATE	23/01/2012

Hope Bay Mining Project

Subject:	Sumps Annulus	Project Zone/Area:	Doris North
Company:	Newmont	Station/Location:	Sumps 1 and 2
Attention:	Lowell Wade (SRK)	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0153	Related Documents:	

Related WBS Code	NA	WBS Code Description:	NA
------------------	----	-----------------------	----

Information Request/Description of Issue/Approval Required:

To confirm the maximum annulus acceptable for the sump excavation, as discussed by conference call with Maritz Rykaart SRK on Jan. 11. During that conference call the annulus of 300 mm was approved by Maritz Rykaart..

Proposed Corrective Action:

Please officially confirm that the 300 mm annulus is approved.

Originator: Ishan Fechter

Print:

Sign:

Jan. 21, 2012

Date:

Cost Impact	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	(Reduced Cost)
Detailed Estimate attached	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
Schedule Impact	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	(Reduced labour + equipment hours)
Source for Communication	<input type="checkbox"/> Owner Change <input type="checkbox"/> Clarification/Info <input checked="" type="checkbox"/> Constructor Change	
	<input type="checkbox"/> Vendor Change <input type="checkbox"/> Designer Change <input type="checkbox"/> Other	

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☐ Corrective Action Approved

☐ Correct as Follows:

Response:

A conference call on January 11, 2012 was held to discuss the sump installation. Those in attendance were: JDS [Jerry Graham, Kevin Whieldon], Nuna [Mike Price, Simon Chipper, Nick Stoneberger, Kevin Oakes], SRK [Lowell Wade, Maritz Rykaart], Newmont ESR [Katsky Venter, Angela Holzapfel]. It was agreed the maximum annulus for the sump excavation is 0.3 m. A leveling course of 5/8" material will be place in the base of the excavation to level the sump and the annulus will be backfilled with 5/8" clear material up to 1 m below grade. The upper 1 m of the annulus will be backfilled with the excavated original ground and covered with coconut matting. The lid of the sump will be increased in diameter to ensure the area of disturbance, caused by the excavation, will be protected from direct exposure to the sun.

Responsible Newmont Representative:

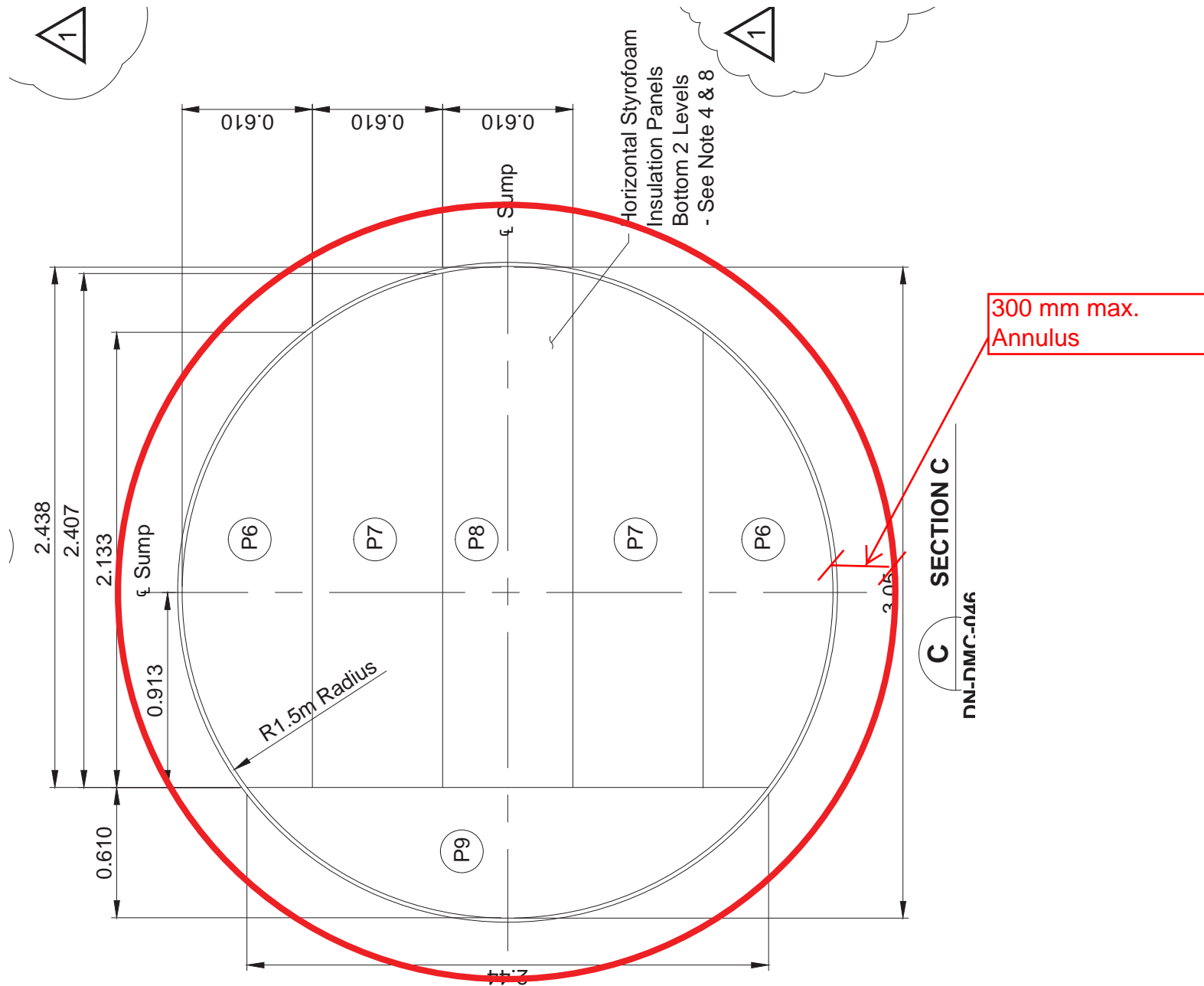
Lowell Wade

Print:

Sign:

January 23, 2012

Date:



NOTES

1. Fill all insulation gaps with self-expanding foam caulking.
2. Concrete reinforcement rebar, 10M or equivalent, should be used to manufacture the retaining brackets.



3. The corrugated steel culvert to be used shall be of minimum 3,050 mm nominal diameter with 25 mm depth and 125 mm pitch, or larger, corrugations. Wall thickness shall be no less than 2.8mm.

4. The insulation sheets shall be of type STYROFOAM Highload 40 manufactured by Dow Chemical Company, or equivalent. Adjacent layers of horizontal Styrofoam Insulation shall be rotated by 90 degrees.

5. Special excavation techniques shall be considered for inserting the culvert into the ground. The maximum annulus depth between the outside edge of the culvert and the excavation shall be 25mm. No excavation into the tundra is permitted, outside the culvert footprint. A 10 m buffer zone on the undisturbed tundra around the culvert shall be established, and no tracked or wheeled construction equipment is allowed within this buffer zone.

6. The size and type of pump shall be specified by others, but no continuous or intermittent heat source shall be located within the sump.

Styrofoam
panels
levels
4 & 8



7. All openings cut into the insulated lid shall be properly re-sealed, as to not compromise the lid's insulating capacity.
8. Contractor to place insulation by cutting to suit. Insulation to be fastened to lid by using suitable adhesive or appropriate fasteners.
9. Arc and resistance welding of the sump and sump lid to be in accordance with CSA standards W59 and W55.3, for all procedures and practices. Refer to CSA standard W48 (Clause 5.1.8 of CAN/CSA-S16-01 Limit States Design of Steel Structures) for welding electrodes.

300 mm



NING LIMITED

DORIS NORTH PROJECT

DRAWING TITLE:

Doris Camp Sump Section and Details

DRAWING NO.

HB+D-CIV-CIV-OND-0153

SHEET

48 OF 48

REVISION NO.

1

SRK DWG NO.: DN-DMC-046

Attachment 2
Nuna's Operational Work Plan



Operational Work Plan

Work Plan: WP-HB-004 Doris Camp Sumps	Revision: 003
Location: Doris North Camp Area	Date: January 11, 2012

Safety			
See attached Risk Register			
Description	Potential Hazard	Precautions and Actions	Notes:
Hazard # 1	Strains	Some heavy lifting may be required, use proper lifting techniques and 2 people if necessary.	
Hazard # 2	Walking on uneven surfaces	Watch your step on the Tundra, surfaces will be uneven and difficult to judge	
Hazard # 3	Wildlife Encounters	Report all sightings to ESR, stay in equipment if possible	
Hazard # 4	Heavy Equipment	JHA, use radios and proper PPE, make eye contact with operators prior to passing near equipment	
Hazard # 5	Confined Space	Use procedures set out by Newmont	

Quality Control			
Description	Critical Items	Actions to Build it right the first Time	Notes:
Item # 1	Styrofoam Installation	Meets required spec and installation	
Item # 2	Concrete	Concrete tested and certified	
Item # 3	Tundra Pads	No disturbance to the Tundra	
Item # 4	Drill Pattern Locations	Survey will confirm alignment of drill locations. Max spacing allowed between excavation and culvert is 0.3m.	
Item # 5	Template	Pre fabricate working template to assure excavation doesn't exceed boundaries	
Item # 6	Culverts	Install stiffeners previous to installation to assure consistent radius	

Environment			
Description	Critical Items	Precautions and Actions	Notes:
Hazard # 1	Equipment on tundra	Stay within the footprint of the tundra pads. Ice pads will be constructed	Survey to mark out
Hazard # 2	Overspill of material on tundra	Be careful when removing material	
Hazard # 3	Spills	Report all spills immediately to ESR and cleanup promptly. Ensure spill kits and drip trays are on hand at the work site.	
Hazard # 4	Annulus Backfill	"Coco-matting" will be used around the sump to reclaim the disturbed surface material in the annulus.	

Water Mgmt.			
Description	Critical Items	Precautions and Actions	Notes:
Hazard # 1	Permafrost	All measures must be taken to be sure that the permafrost isn't affected through excess tundra damage	
Hazard # 2	Sediment run-off (freshet)	Confirm sediment control measures with EPCM and ESR	
Hazard # 3	Working Platform	To be cleaned of all dirty snow as demobilizing	



Operational Work Plan

Hold Points		
		Description
1	<input type="checkbox"/>	Survey to mark sump locations and culvert outlines
2	<input type="checkbox"/>	Survey to indicate proper depths
3	<input type="checkbox"/>	Confine Space required to complete task
3	<input type="checkbox"/>	Construct steel template for excavation boundaries

Work Procedure / Step-by-Step / Activity Sequence / Access	Hold Point/ Reference
<u>Construction Strategy</u> <ul style="list-style-type: none"> Determine Location of Each Sump / Layout Centre Points Construct a Snow/Ice Road and Working Platform Drill out Circumference of Culvert Excavate Remaining Material Install Culvert Sections Place and Finish Concrete Sump Lid Construction 	HP 1
1.0 <u>Determine Locations</u> <ul style="list-style-type: none"> 1.1 Survey to layout circumference of culverts. Excavation will be within 0.3m of culvert circumference . 1.2 Survey to indicate outline of snow road and working platform. 	HP 1
2.0 <u>Construct Road and Working Platform</u> <ul style="list-style-type: none"> 2.1 Snow Fence to be installed prior to accumulate “clean” snow. Nuna to determine locations based on the snow patterns and access. Tundra cannot be damaged during this process. 2.2 Load snow into the haul truck with the 325 Excavator / 930 Loader. 2.3 Haul and place “clean” snow to each sump location with haul truck. 2.4 Place 300mm snow lifts with D6. Each lift to be watered and let stand to freeze. (See attached sketch for road and working platform dimensions). 	R 1
3.0 <u>Drilling</u> <ul style="list-style-type: none"> 3.1 Mobilize DX800 to sump location. 3.2 Set up DX800 Drill on working platform. 3.3 Place prefabricated working template for drilling boundaries. 3.4 Drill as many locations as possible within the marked off culvert layout, creating a honeycomb for material removal. Drill depth to be at least 2m. See Reference #2. 	HP 1 HP4, R2 HP2, R2
4.0 <u>Excavate</u> <ul style="list-style-type: none"> 4.1 Cat 330 Excavator to hollow out remainder of culvert with ripper and bucket. Excavator to place material into 730 Haul truck. Haul to approved dump location. If suitable, it will be hauled to an area near the land farm. Geology may use it to refill collapsed drill holes. 4.2 2 laborers’ to use hand shovels and picks to clean up the edges to achieve as much of an even surface as possible. Confined space may be required for this task. 4.3 It is anticipated that following this method that the width of the annulus can be kept to within 300mm. 	HP 1 HP 2 HP 3
5.0 <u>Pre Assemble Culverts</u> <ul style="list-style-type: none"> 5.1 Culverts available on site are 1.8m in length. This will require two sections to be mechanically fastened together to acquire the specified length of 2.65m. The second section of culvert that will be placed in the ground will have to be zip cut in half. This will allow the other half of the culvert to be used in Sump #2. 	



Operational Work Plan

<p>5.2 Place cut section with jagged edges facing up. Weld L brackets around the perimeter to hold Styrofoam in place. Flip culvert section with L brackets to the bottom when complete.</p> <p>5.3 Install Styrofoam as per details. Each layer should be cut to suit. Bond each layer together with adhesive to assure stability when transported.</p> <p>5.4 Once 4 layers of horizontal insulation are complete, install the 3 layers of vertical insulation. These will be capped with a vertical retaining bracket. To be fillet welded as indicated on drawings.</p> <p>5.5 Once insulation is completed, place both section on their side. Mechanically fasten both culvert sections together.</p> <p>5.6 Sump lid to be constructed separately. Further details required from SRK.</p>	
<p>6.0 <u>Install Culverts</u></p> <p>6.1 Transport culvert sections to sump locations using low bed. Culverts will be pre-assembled as indicated in 5.0.</p> <p>6.2 Survey to layout/determine bottom elevation of sump location prior to install.</p> <p>6.3 Load and place culverts with Cat 330. Manual assistance may be required to properly place in excavated location. All sections of culvert to be mechanically fastened prior to delivery.</p> <p>6.4 Sump lid will then be placed using Cat 330. Manual direction may also be required.</p> <p>6.5 Once the steel culvert has been placed and positioned, the surrounding annulus will be backfilled loosely with 5/8" clean aggregate up to 1.0 m below OG.</p> <p>6.6 From 1.0 m below OG to the surface the annulus will be backfilled loosely with the previously excavated till. The till material may need to be stockpiled in a warm facility prior to using it as backfill to ensure that any large ice chunks have thawed.</p> <p>6.7 "Coco-matting" (free of all plastics) will be placed on top of the disturbed ground surrounding the sump.</p>	HP 2
<p>7.0 <u>Mix, Transfer and Place Concrete</u></p> <p>7.1 Prepare and mix concrete at batch plant.</p> <p>7.2 Transfer concrete to sump locations with pumper truck.</p> <p>7.3 Pump the concrete as necessary into culvert. 0.1m thick over previously installed Styrofoam.</p> <p>7.4 Confined space is required due to depth.</p>	HP 3

Quantities		
Description:	Quantity	Unit
Excavated Material	32	M3
Snow Road/Working Platform	300	M3
Insulation	160	M2
Concrete	4	M3
Rebar	6.5	LM

List of Required Equipment	
	Description:
1	CAT 330 Excavator
1	CAT 980 Loader
2	CAT 730 Haul Truck
1	CAT D6 Dozer
1	Water Truck
1	DX800 Drill
1	Trailer
1	Light plants
1	Portable Jack Hammer



Operational Work Plan

Clarifications / Information / General Notes

- Further Mechanical Drawings needed for sump lid construction.

Engineering/Survey Support Required

SEE HOLD POINTS ON PAGE 2

Reference of Contract Specifications, RFI's and Site Instructions

Engineered Drawing Package for the Doris North Project, Doris Camp Sump Locations– SRK Consulting Inc.

STS and Permanent Materials

Description:	Quantity	Man Hours
Culverts/Sumps	5 each	

Tolerances

Contractor cannot achieve the designed 25 mm annulus. Using the methods outlined in this plan the annulus width can be kept to a maximum of 300mm barring any unforeseen ground conditions encountered during excavation and installation of the sumps.

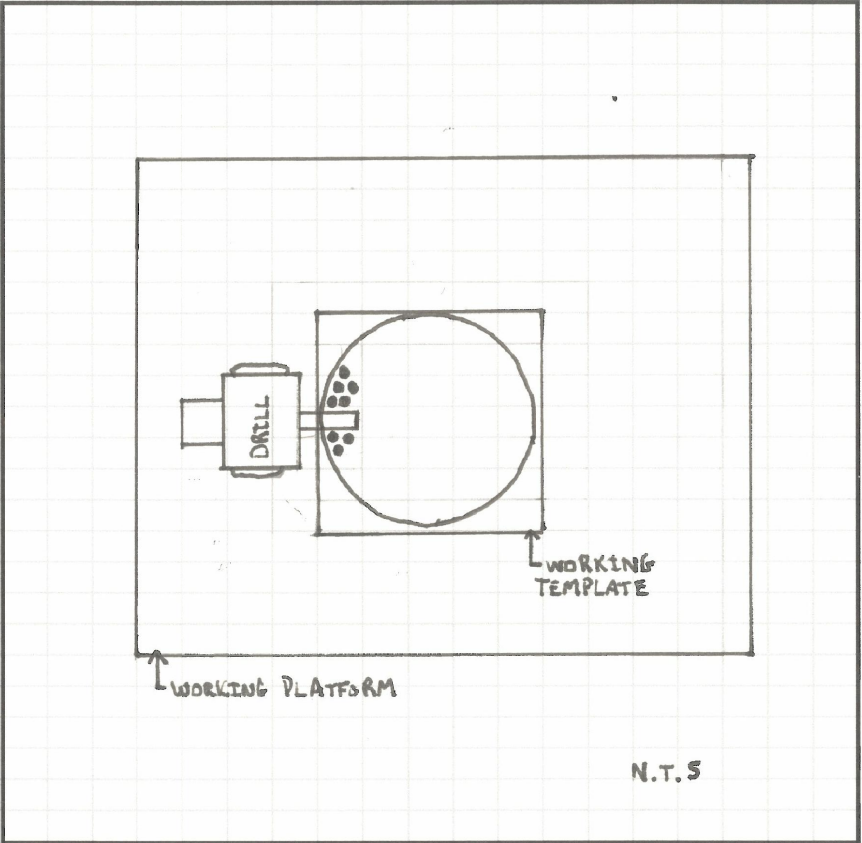
This Work Plan is Approved for Construction.

<u>Superintendent:</u>	_____	_____	_____
	Name	Signature	Date
<u>Client Representative:</u>	_____	_____	_____
	Name	Signature	Date

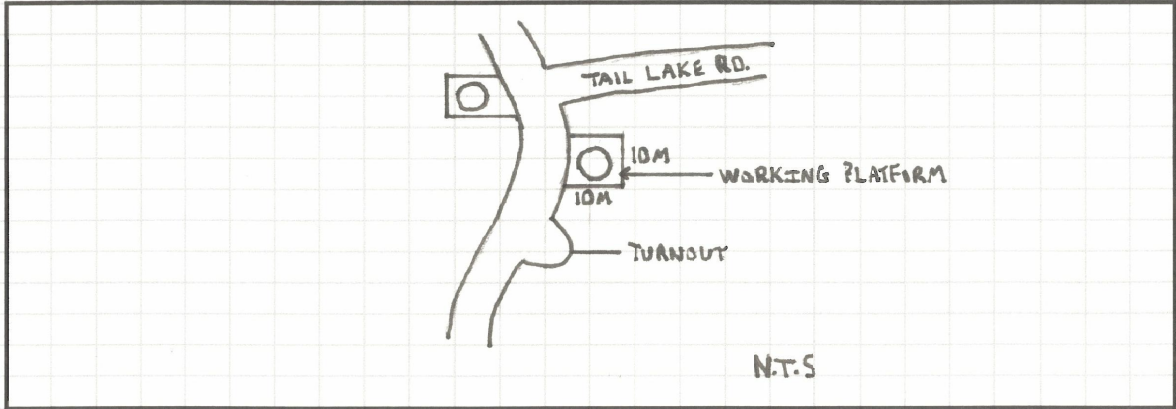
Reference # 1



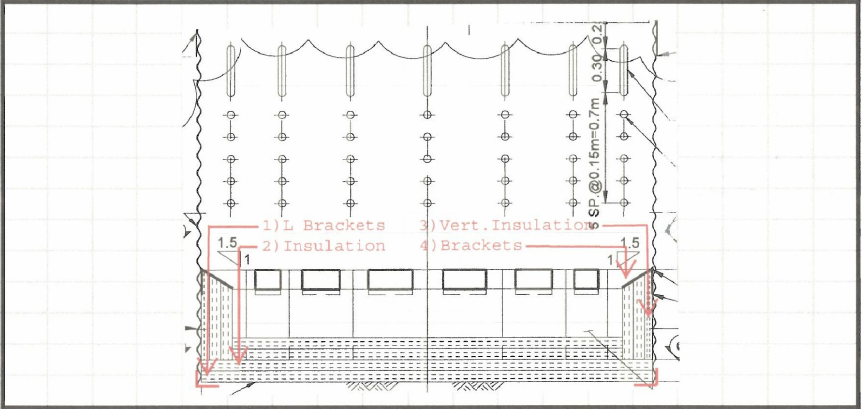
Reference # 3




Reference # 2

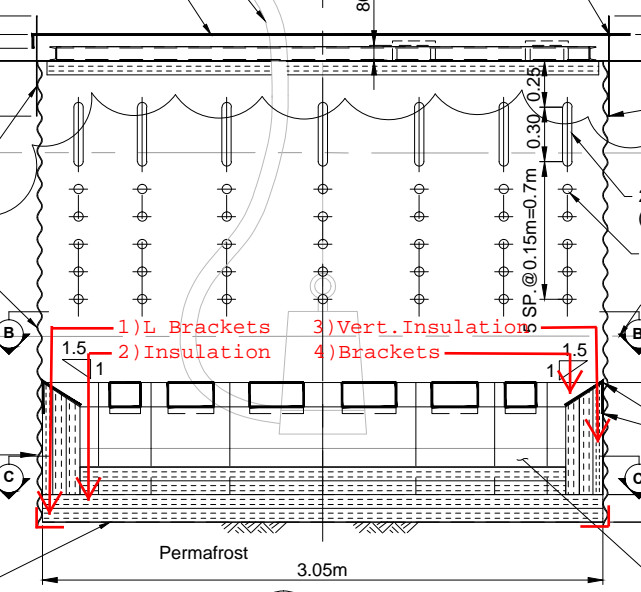


Reference # 4



NOTES:

OWNER:	NEWMONT NORTH AMERICA Hope Bay Mining Ltd.	PREPARED BY: NUNA Contracting Ltd. 9839 - 31 Avenue Edmonton, AB T6N 1C5		Doris Sumps	
	PROJECT: Doris North Project, Hope Bay, Nunavut			DRAWING TITLE: References 1,2,3,4	DRAWING NAME (SYMBO): Doris Sumps.dwg
DRAWN BY: RMM		SCALE:	DATE: Feb 05, 2011		





REQUEST FOR INFORMATION

RFI NUMBER	NL-RFI-085
ISSUE DATE (YY/MM/DD)	February 13, 2012
PRIORITY	H <input checked="" type="checkbox"/> M <input type="checkbox"/> L <input type="checkbox"/>
REQ'D RESPONSE DATE	February 15, 2012

Hope Bay Mining Project

Subject:	Diversion Berm Relocation	Project Zone/Area:	Doris North
Company:	Nuna Logistics Ltd. (Nuna)	Station/Location:	
Attention:	Doug Fielding, Jerry Graham c.c. SRK Consulting	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0168 (DN-WDB-02)	Related Documents:	

Related WBS Code	NA	WBS Code Description:	NA

Information Request/Description of Issue/Approval Required:

The current alignment of the Diversion Berm is in close proximity to the power cable near chainage 0+160. This does not allow us to drill and blast a portion of the trench from chainage 0+149 to 0+166.

Proposed Corrective Action:

Nuna is proposing to move the alignment from chainage 0+149 to 0+166 to the North by 2.6m (See attached sketch 1). The new alignment will maintain the minimum 1% slope and minimum depth of 1.0m (See attached sketch 2 and 3).

Originator:	Gary Sodhi		February 13 th , 2012
	Print:	Sign:	Date:

Cost Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Schedule Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Source for Communication	<input type="checkbox"/> Owner Change	<input type="checkbox"/> Clarification/Info	<input type="checkbox"/> Constructor Change
	<input type="checkbox"/> Vendor Change	<input checked="" type="checkbox"/> Designer Change	<input type="checkbox"/> Other

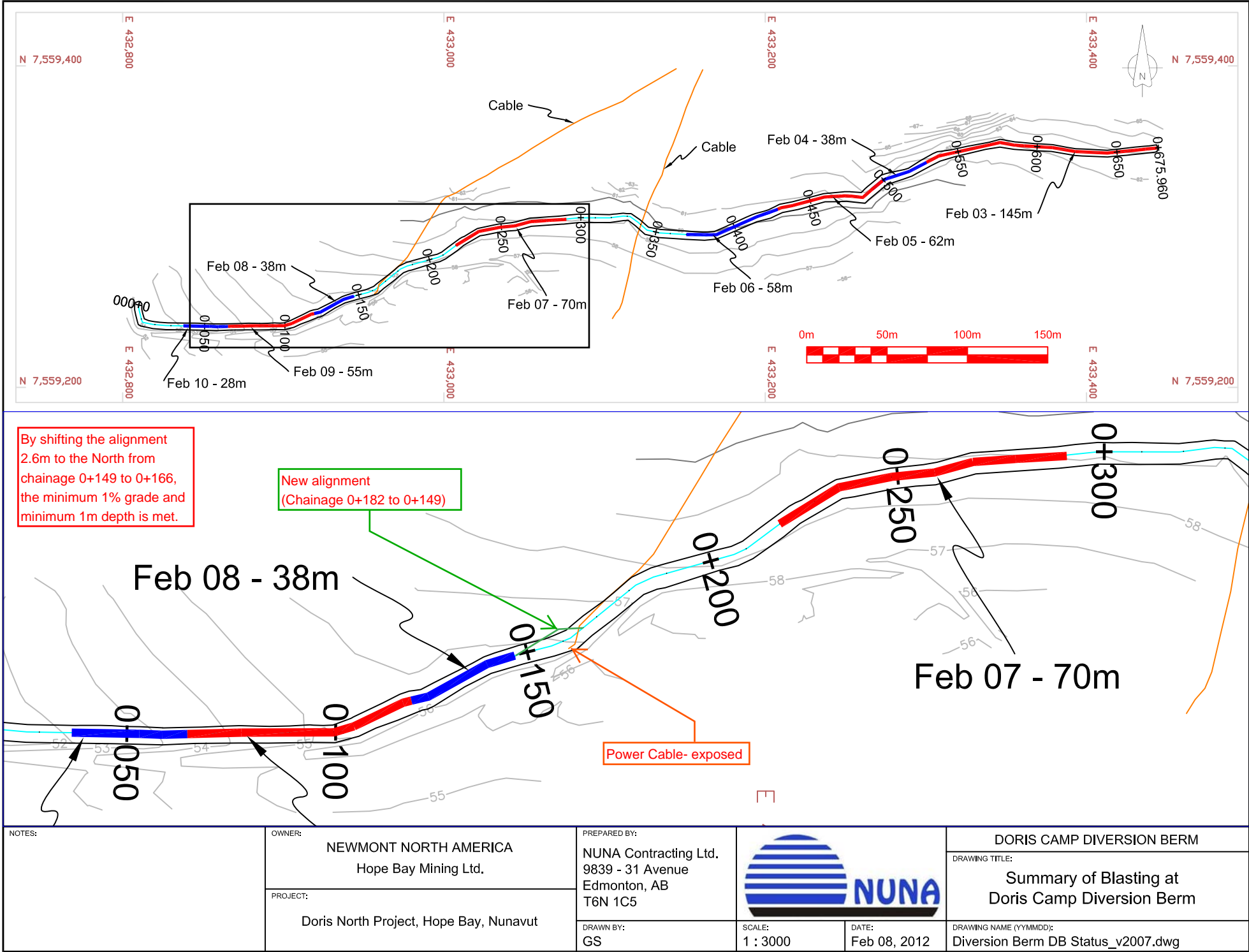
Note: RFI's are not authorized change documents and cannot be used to direct a change in contract requirements. If Newmont's response on the RFI has cost and/or schedule effect, it is the contractor's responsibility to immediately advise Newmont. Work undertaken without Newmont written authorization is at the contractor's risk and expense

☐ Corrective Action Approved ☐ Correct as Follows:

Response:

SRK agrees with the proposed solution to permit drilling and blasting of this section of trench provided all design criteria for the water diversion berm have been satisfied. Slight adjustments up the upstream toe of the ROQ cover, over the trench, may be required to ensure there is no ponding of water on the tundra.

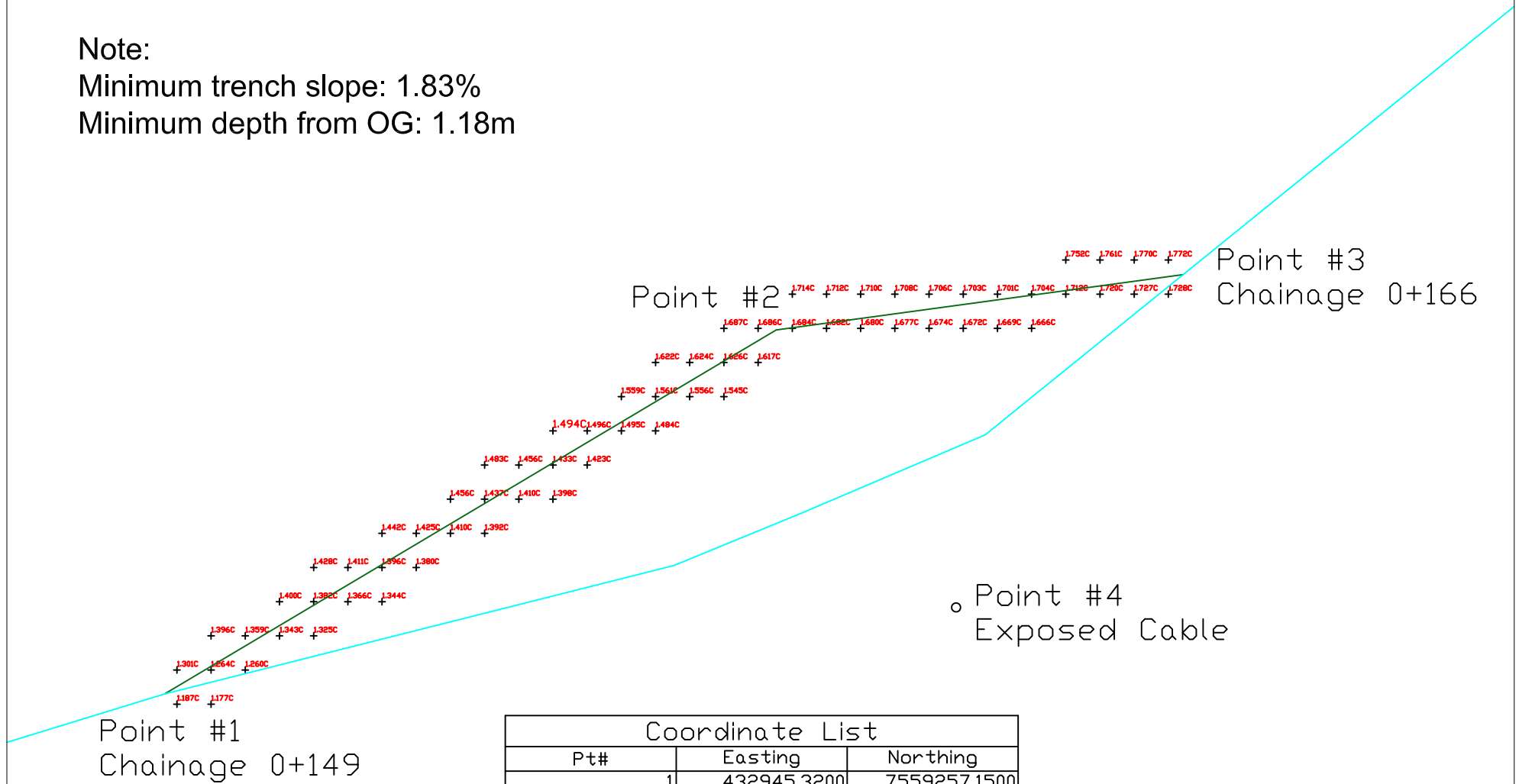
Responsible Newmont Representative:	Lowell Wade		February 13, 2012
	Print:	Sign:	Date:



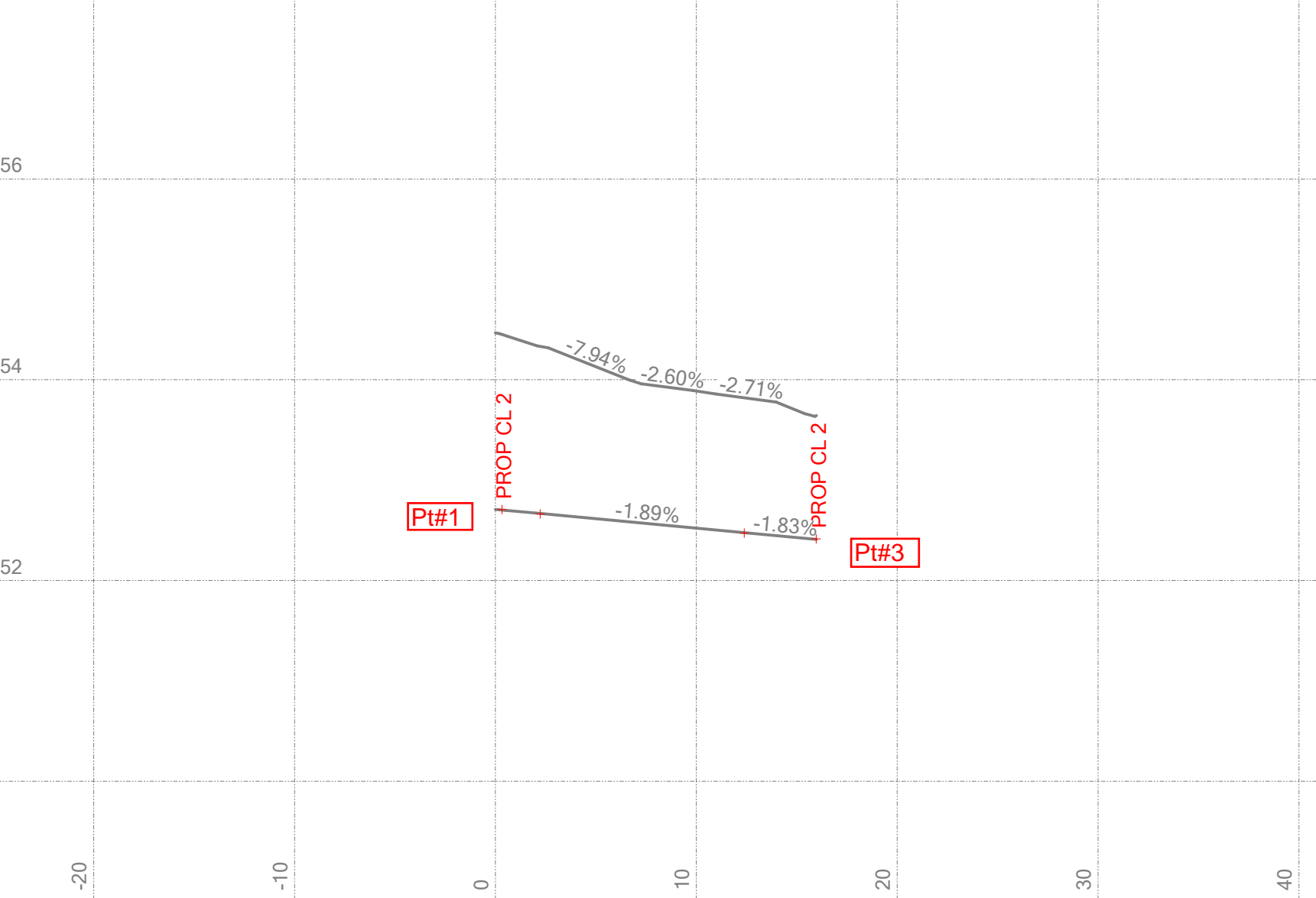
Note:

Minimum trench slope: 1.83%

Minimum depth from OG: 1.18m



Surface Slicer



REQUEST FOR INFORMATION

RFI NUMBER	NL-RFI-086
ISSUE DATE (YY/MM/DD)	February 15, 2012
PRIORITY	H <input checked="" type="checkbox"/> M <input type="checkbox"/> L <input type="checkbox"/>
REQ'D RESPONSE DATE	February 17, 2012

Hope Bay Mining Project

Subject:	Sump Drainage Openings	Project Zone/Area:	Doris North
Company:	Nuna Logistics Ltd. (Nuna)	Station/Location:	
Attention:	Doug Fielding, Jerry Graham c.c. SRK Consulting	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0153	Related Documents:	

Related WBS Code	NA	WBS Code Description:	NA

Information Request/Description of Issue/Approval Required:

The design drawings call out for 300mm slots along with 5 rows of 25mm Dia. openings. There is to be 18 in total around the full circumference of the culvert. As it takes two culverts to construct the desired 2m depth, it happens that the fifth row of openings land where the two culverts overlap and fasten.

Proposed Corrective Action:

The two culvert sections are mechanically fastened with 25mm Dia. Bolts. Nuna proposes that the culvert is fastened together incorporating **every second hole**. This would provide 20 openings at 25mm Dia. to use for drainage holes.

Originator: Kyle Kuntz *K. Kuntz* February 15th, 2012
 Print: Sign: Date:

Cost Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
Schedule Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
Source for Communication	<input type="checkbox"/> Owner Change	<input type="checkbox"/> Clarification/Info
	<input type="checkbox"/> Vendor Change	<input checked="" type="checkbox"/> Designer Change
		<input type="checkbox"/> Constructor Change
		<input type="checkbox"/> Other

Note: RFI's are not authorized change documents and cannot be used to direct a change in contract requirements. If Newmont's response on the RFI has cost and/or schedule effect, it is the contractor's responsibility to immediately advise Newmont. Work undertaken without Newmont written authorization is at the contractor's risk and expense

☐ Corrective Action Approved ☐ Correct as Follows:

Response:

SRK agrees with the proposed sump construction technique as it maintains the design intent of the sump and allows for constructability.

Responsible Newmont Representative: Lowell Wade *L. Wade* February 22, 2012
 Print: Sign: Date:

REQUEST FOR INFORMATION

RFI NUMBER	NL-RFI-087
ISSUE DATE (YY/MM/DD)	March 25, 2012
PRIORITY	H <input type="checkbox"/> M <input checked="" type="checkbox"/> L <input type="checkbox"/>
REQ'D RESPONSE DATE	April 2, 2012

Hope Bay Mining Project

Subject:	Sediment and Pollution Pond Thermistors	Project Zone/Area:	Doris North
Company:	Nuna Logistics Ltd. (Nuna)	Station/Location:	Poll Pond Thermistor Locations
Attention:	Doug Fielding, Jerry Graham c.c. SRK	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0163	Related Documents:	

Related WBS Code		WBS Code Description:	

Information Request/Description of Issue/Approval Required:

The thermistor read-out cable that runs from thermistor SRK-12-GTC-DH03 up the slope of pollution pond to meet thermistor SRK-12-GTC-DH02 is noted on SRK dwg DN-DMC-047 to be protected and encased in a 6" sched 40 pipe. Due to the slope on the inside of the pollution pond being uneven in nature, placing the 6" pipe may be more difficult than necessary in our opinion.

Proposed Corrective Action:

IN lieu of protecting the thermistor read-out cable in 6" sched 40 pipe, Nuna suggests that the cable be protected similarly to the method that will be used at the North Dam. That is to direct bury the cable in the side slope bedding it in crushed aggregate.

Originator: Kevin Oakes March 25, 2012

Print:

Sign:

Date:

Cost Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Per description above.
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Schedule Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
Source for Communication	<input type="checkbox"/> Owner Change	<input type="checkbox"/> Clarification/Info	<input checked="" type="checkbox"/> Constructor Change
	<input type="checkbox"/> Vendor Change	<input type="checkbox"/> Designer Change	<input type="checkbox"/> Other

Note: RFI's are not authorized change documents and cannot be used to direct a change in contract requirements. If Newmont's response on the RFI has cost and/or schedule effect, it is the contractor's responsibility to immediately advise Newmont. Work undertaken without Newmont written authorization is at the contractor's risk and expense

☐ Corrective Action Approved ☐ Correct as Follows:

Response:

SRK agrees with the alternative method of ground temperature cable installation. The installation methodology should be consistent with ground temperature cable installation on the downstream face of the North Dam to ensure the cable is adequately protected should heavy equipment be required to travel along the bench at the toe of the Pollution Control Pond.

Responsible Newmont Representative: Lowell Wade April 2, 2012

Print:

Sign:

Date:

REQUEST FOR INFORMATION


RFI NUMBER	NL-RFI-088				
ISSUE DATE (YY/MM/DD)	February 09, 2012				
PRIORITY	H		M	X	L
REQ'D RESPONSE DATE	February 15, 2012				

Hope Bay Mining Project

Subject:	Diversion Berm Excavation	Project Zone/Area:	Doris North
Company:	Nuna Logistics Ltd. (Nuna)	Station/Location:	
Attention:	Doug Fielding, Jerry Graham c.c. SRK Consulting	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+D-CIV-CIV-OND-0168 (DN-WDB-01)	Related Documents:	


Related WBS Code	NA	WBS Code Description:	NA

Information Request/Description of Issue/Approval Required:	
As previously discussed in the meeting with Nuna, SRK and JDS, it was stated by SRK that it was acceptable to excavate below design elevation and allow backfill in the key trench with suitable material. Due to the new approach of drilling and blasting the key trench, the control measures of accurately achieving the proper elevation is difficult. SRK identified that the upstream slope did not have to be exactly 1:1, as long the attained slope is deemed safe by the engineer.	
Proposed Corrective Action:	
SRK to provide 1) Confirmation that suitable backfill material may be used to achieve design elevations 2) Specify suitable backfill material 3) Confirmation that the upstream slope does not have to be exactly at 1:1	
Originator:	Kyle Kuntz 
Print:	Sign:
	February 9 th , 2012
	Date:

Cost Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
Schedule Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
Source for Communication	<input type="checkbox"/> Owner Change	<input checked="" type="checkbox"/> Clarification/Info
	<input type="checkbox"/> Vendor Change	<input type="checkbox"/> Designer Change
		<input type="checkbox"/> Constructor Change
		<input type="checkbox"/> Other
<p>Note: RFI's are not authorized change documents and cannot be used to direct a change in contract requirements. If Newmont's response on the RFI has cost and/or schedule effect, it is the contractor's responsibility to immediately advise Newmont. Work undertaken without Newmont written authorization is at the contractor's risk and expense</p>		

☐ Corrective Action Approved

☐ Correct as Follows:

Response:	
<p>To answer the above three questions:</p> <p>1) Yes suitable backfill material may be used to bring the excavation to design grade;</p> <p>2) Suitable backfill material shall be a well graded material containing sufficient fines to allow compaction of the material. Material meeting the gradation of the frozen core material will be suitable but saturation is not required. This material must be placed in lifts not exceeding 300 mm total loose thickness and compacted with a walk-behind or similar suitable compactor. Please note, the 5/8" reject material is not considered suitable backfill material.</p> <p>3) The upstream slope may be steeper than 1H:1V specified on the IFC drawings provided the slopes are deemed safe by the Engineer.</p>	
Responsible Newmont Representative:	Lowell Wade 
Print:	Sign:
	February 13, 2012
	Date: