

Engineering Drawings for the Doris Central Vent Raise Pad and Access Road, Hope Bay Project, Nunavut, Canada Water License Amendment

ACTIVE DRAWING STATUS

DWG NUMBER	DRAWING TITLE	REVISION	DATE	STATUS	OLD/REPLACE REVISIONS
DC-00	Engineering Drawings for the Doris Central Vent Raise Pad and Access Road- Hope Bay Project, Nunavut, Canada, Water License Amendment	B	June 7, 2011	Issued For Discussion	Rev. A Oct 22, 2010
DC-01	General Arrangement (with orthophoto)	B	June 7, 2011	Issued For Discussion	Rev. A Oct 22, 2010
DC-02	Arrangement and Access Road Profile	B	June 7, 2011	Issued For Discussion	Rev. A Oct 22, 2010
DC-03	Vent Raise Pad Sections	B	June 7, 2011	Issued For Discussion	Rev. A Oct 22, 2010
DC-04	Typical Sections and Details	B	June 7, 2011	Issued For Discussion	Rev. A Oct 22, 2010
DC-05	Overburden Storage Area and Sediment Control Berm	A	June 7, 2011	Issued For Discussion	

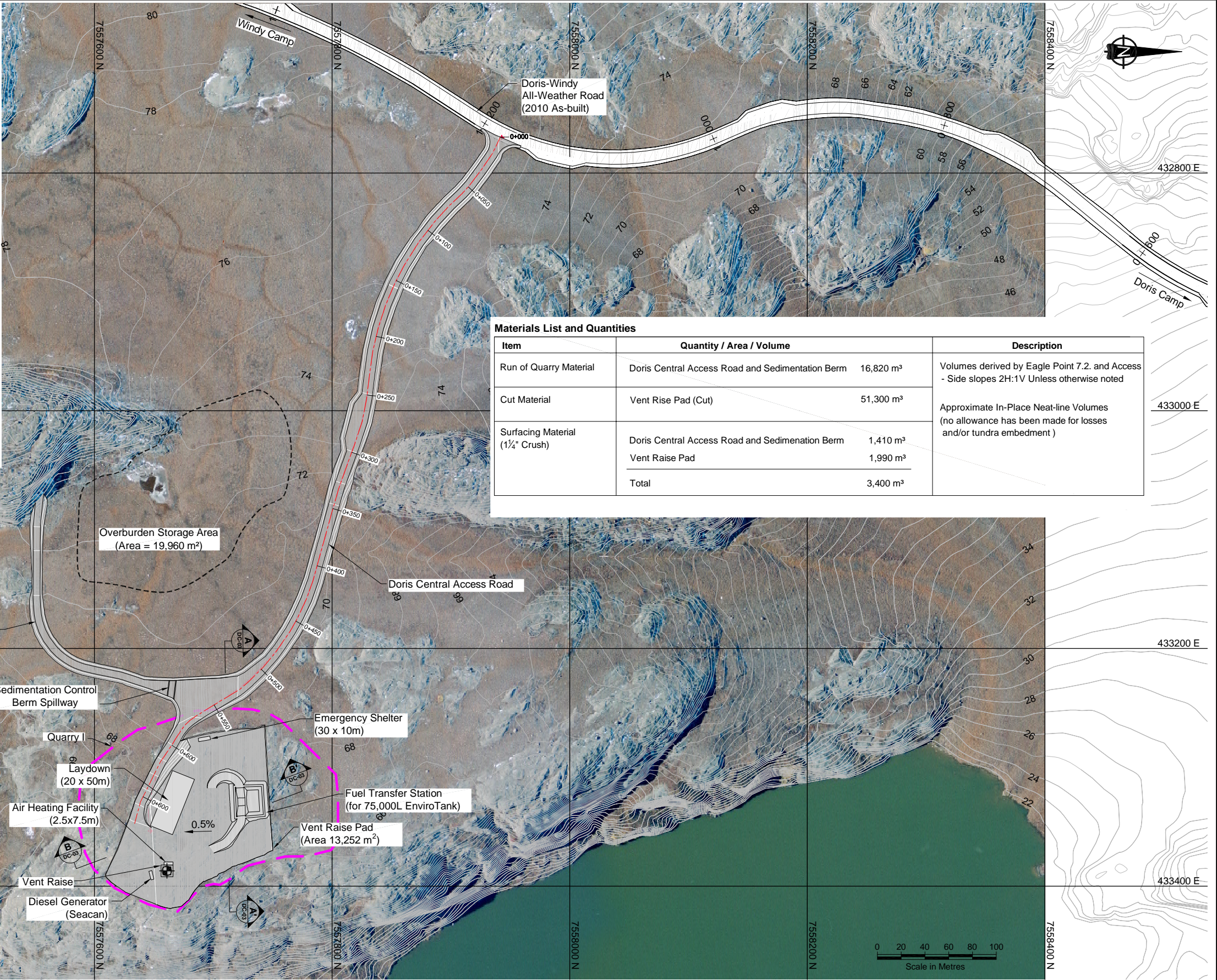
HOPE BAY MINING LTD.

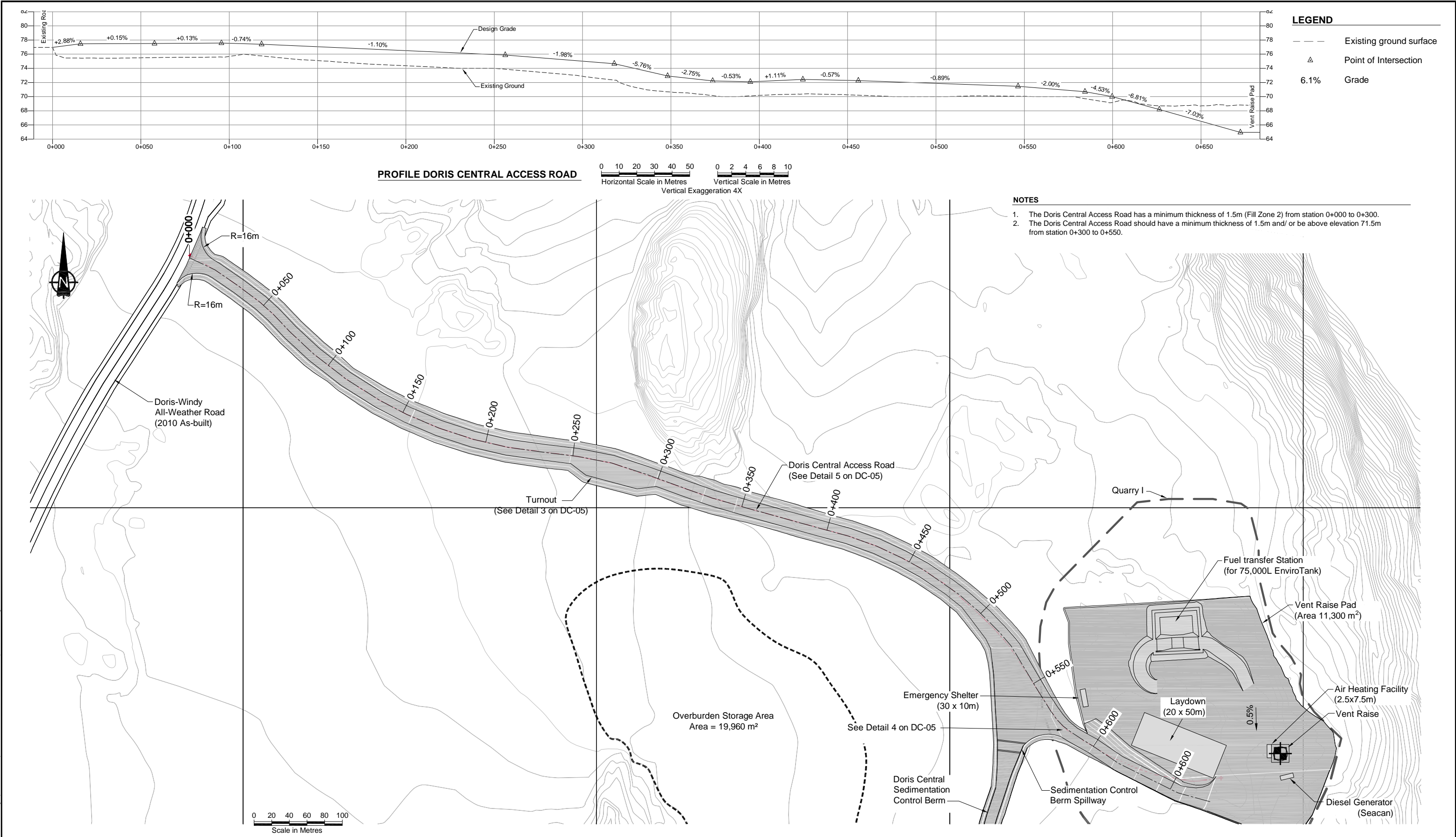


PROJECT NO: 1CH008.049
Revision B
June 7, 2011
Drawing DC-00

NOTES

- The design of the Doris Central Pads and Access is based on topographic contour information provided by HBML and is derived by 2007 aerial photography. It is however the Contractor's responsibility to confirm that the contours are a fair reflection of the ground levels in the vicinity of the works, and to advise the Construction Manager and Engineer of any differences.
- Contours are shown in 1m intervals.
- The co-ordinate system is UTM NAD 83, Zone 13.
- All dimensions are in metric units, unless specifically mentioned.
- All drawings are scaled appropriately for D-Size construction drawings. Scales may not be correct if these drawings are reproduced and presented in any other size format.
- The Contractor and Construction Manager shall familiarize themselves with all appropriate Licenses and/or Permits pertaining to execution of the Works. The Engineer will not be responsible for any infringements.
- The Contractor is to take due care that no wildlife or birds' nest are disturbed during construction. The Construction Manager is to be immediately notified if such sites are found.
- The Contractor will employ best practices to identify archaeological sites, and maintain archaeological site exclusion boundaries of 30m minimum radius from any of these works.
- These works must be executed in accordance with the standard HBML health and safety, and environmental standards and protocols. It is the Contractors responsibility to familiarize himself with these documents.
- Construction of the pads may not commence without on-site presence of an Engineers' representative. The Contractor shall notify the Engineer at least 5 days in advance of intended construction start-up.
- The placement of rockfill material will be by CAT 773 and CAT 730 haul trucks. The Contractor must supply the Construction Manager and Engineer with a written procedure for how these works will be constructed using these trucks prior to the start of any construction.
- Proposed rock quarries are assumed to be developed only within the general designated boundaries shown on this drawing. The Contractor is responsible for creating access to the rock quarries.
- The Contractor will employ best practices to control at source run-off, fugitive dust, blast vibrations, and fly rock.
- The Contractor shall employ best practices to ensure sediment control and to prevent erosion.
- All excavated bedrock surfaces are to be free draining as shown. This slope is independent of the final finished surface elevation and grade.
- Construction shall be in accordance with the following Technical Specifications: Earthworks and Geotechnical Engineering, Hope Bay project, Nunavut, Canada, revision G -Issue for Construction.
- During the first freshet following construction, sediment control may be required at some road sections to trap fine grained sediment released from road construction material. This will be accomplished by best practices for sediment source control and by installing silt fences in the areas of concern. It is the responsibility of the EPCM Team to implement appropriate measures.
- Traffic signs, kilometer markers, and reflective markers shall be installed as required according to the HBML Health and Safety Manual and all relevant rules and regulations. The EPCM Team will be responsible for this.
- Under no circumstances may the tundra be damaged. Excavation into the permafrost soils is strictly forbidden. Should inadvertent damage occur the Engineer must be immediately informed and construction ceased over the affected area.
- Notes in this drawing apply to all other active drawings.

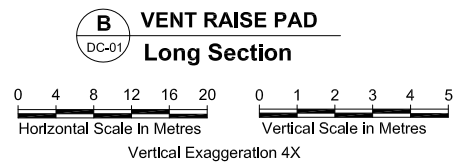
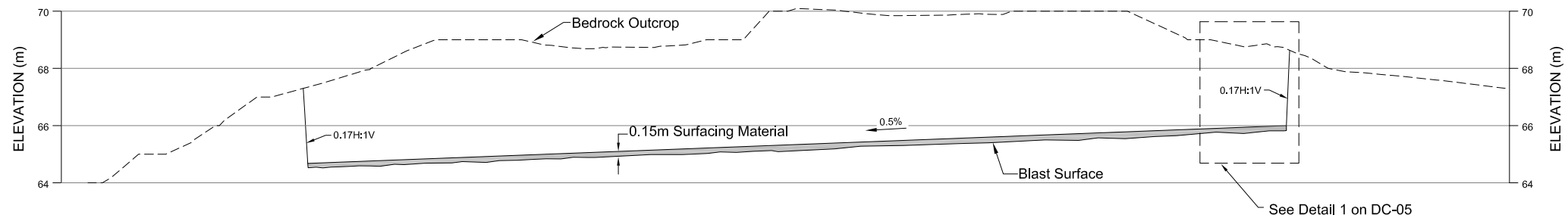
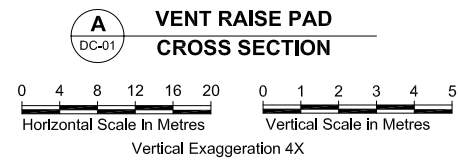
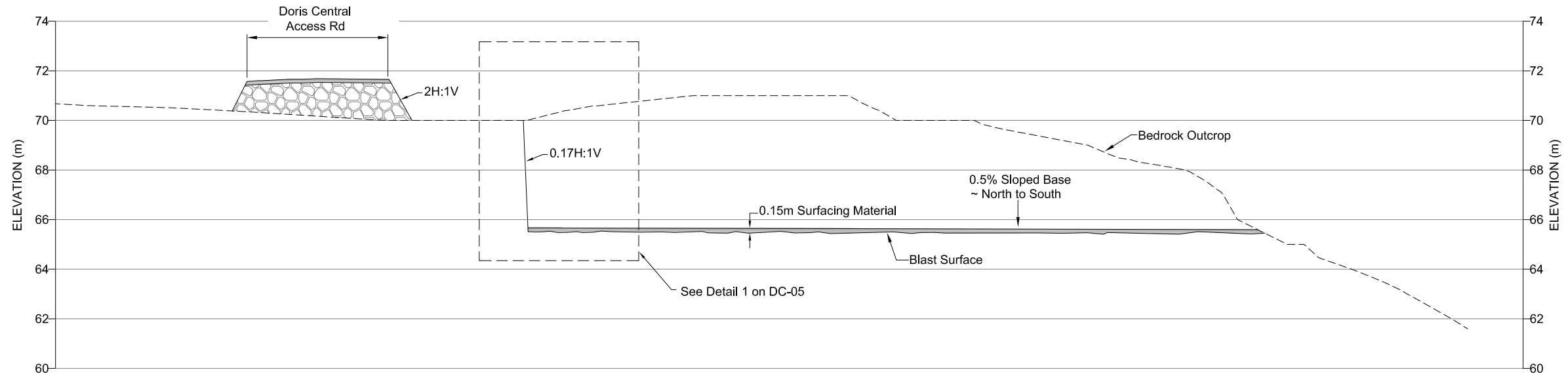




								<div>Original Drawings Stamped and Signed by Engineer</div>			<div>srk consulting</div>			<div>NEWMONT NORTH AMERICA</div>			Doris Central Pads and Access		
											DESIGN: JBK			DRAWN: NV\,MDDS			DRAWING TITLE:		
											CHECKED: JBK			APPROVED: EMR			HOPE BAY MINING LTD		
											DATE: June 7, 2011						DRAWING NO.		
DRAWING NO.				DRAWING TITLE				REFERENCE DRAWINGS			FILE NAME: Doris Central Pads and Access Ramp DC-01_03.dwg			SRK JOB NO.:			DC-02		
											1CH008.049						SHEET		
																	3 of 6		
																	REVISION NO.		
																	B		

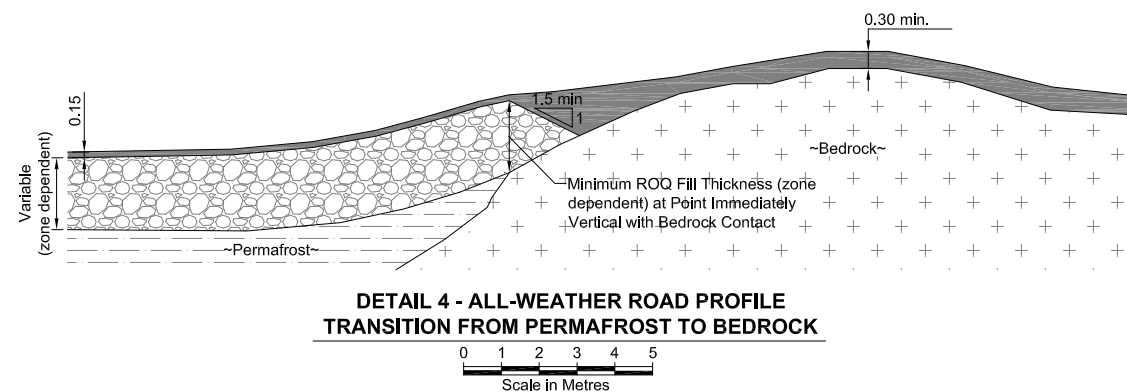
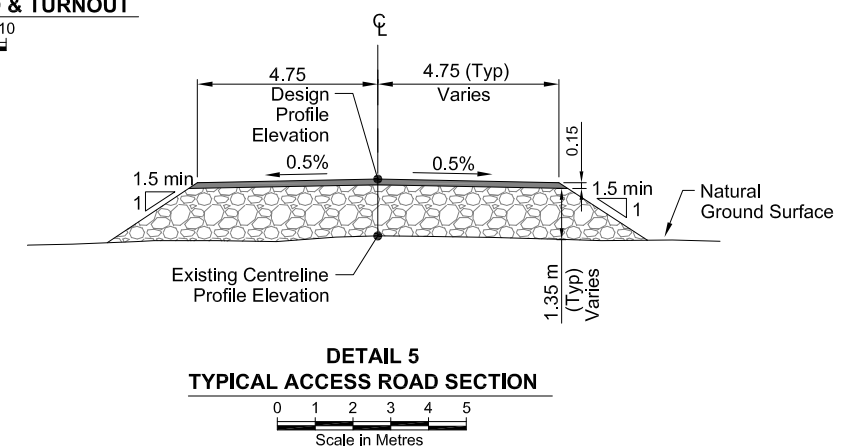
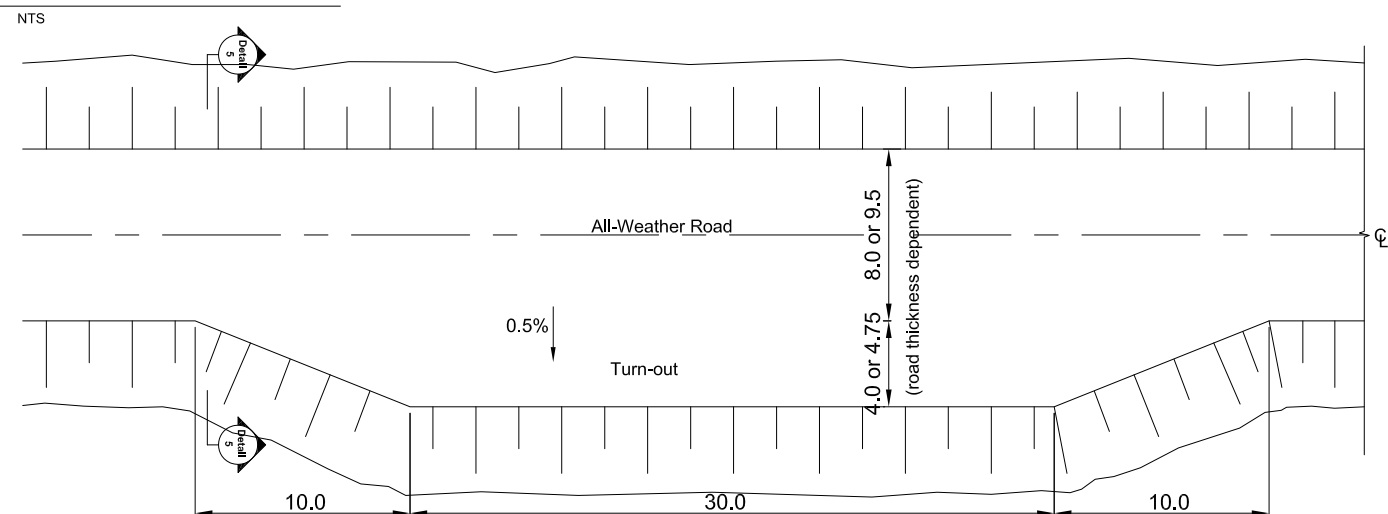
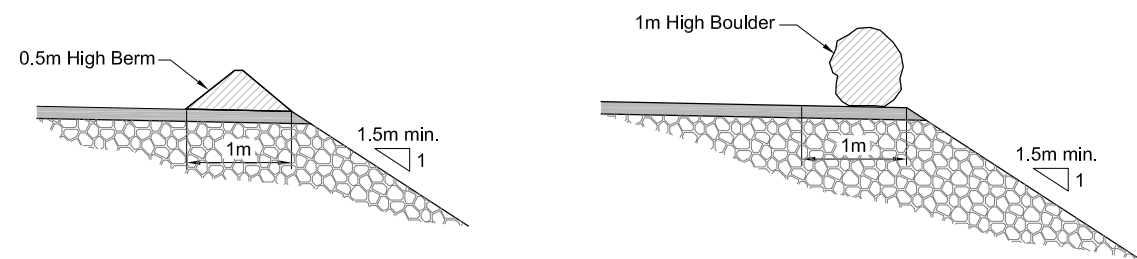
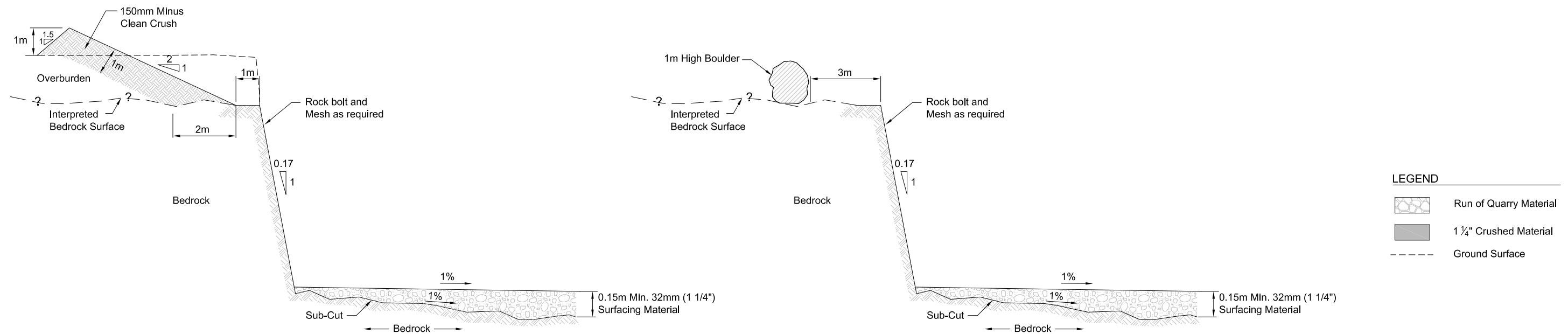
J:\01_SITES\Hope Bay\ACAD\2011 Drawings\Doris Central Pads and Access Ramp DC-01_03.dwg

J:\01_SITES\Hope Bay\ACAD\2011 Drawings\Doris Central Pads and Access Ramp DC-04_05.dwg



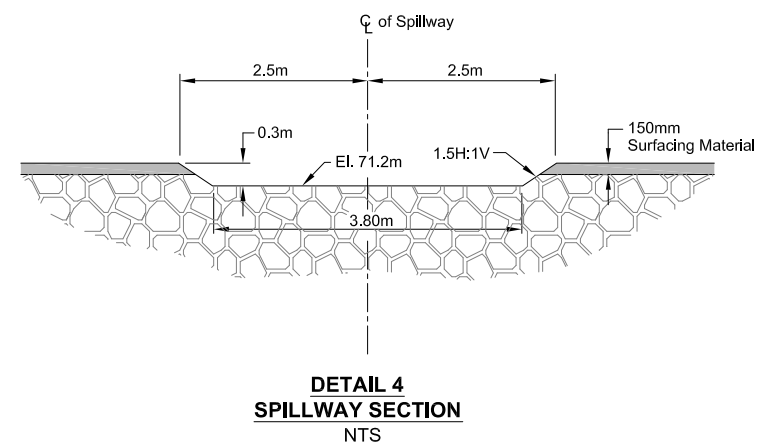
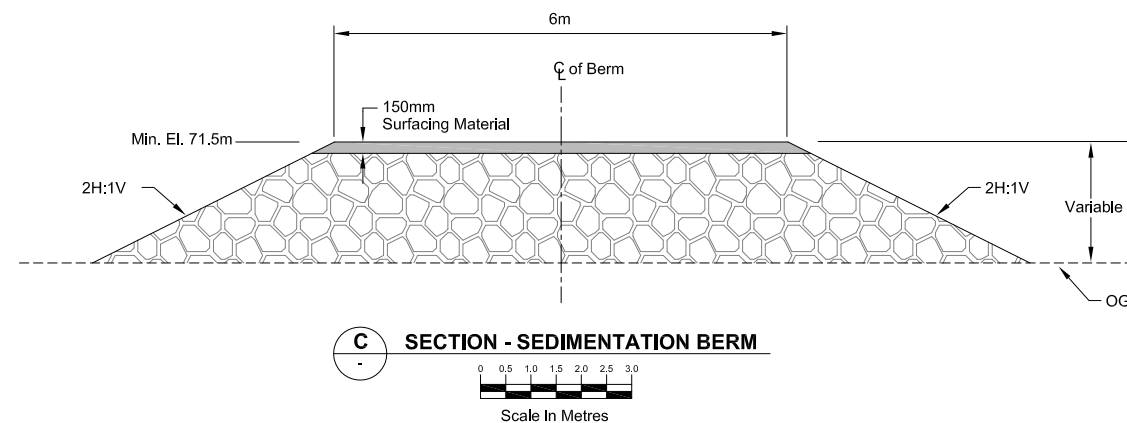
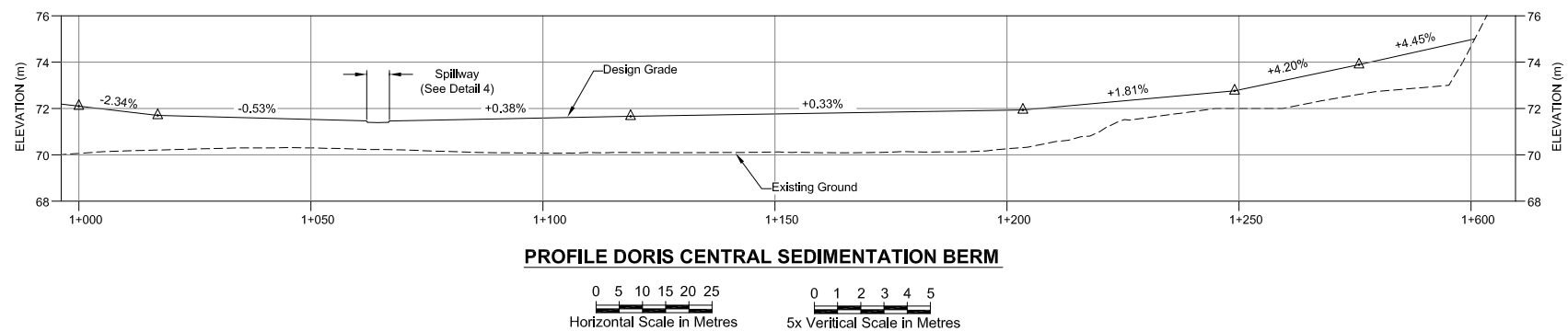
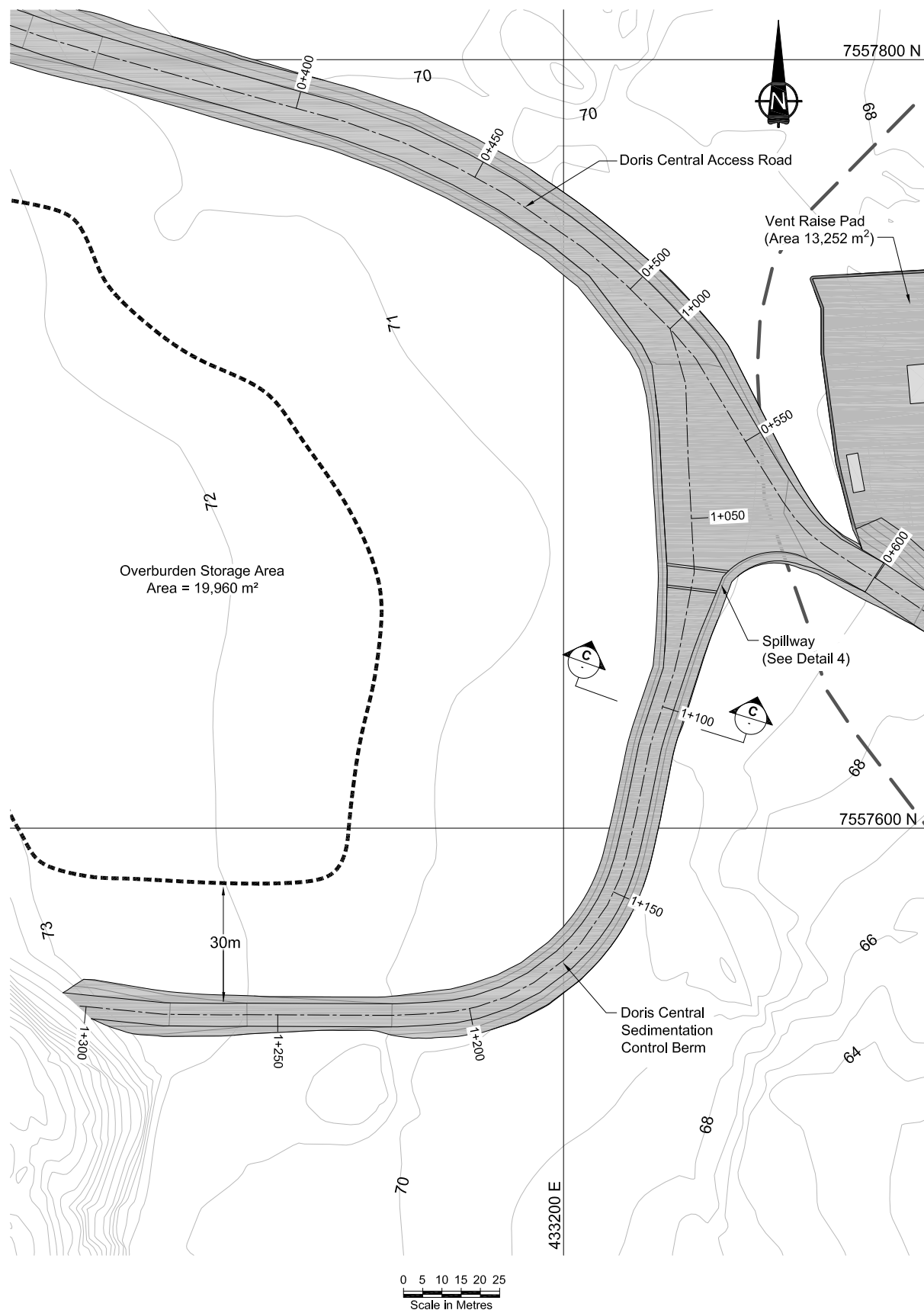
LEGEND	
	Run of Quarry Material
	1 1/4" Crushed Material
	Ground Surface




																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----



- ### NOTES
1. Where the thickness of the roads/berm is greater than 2.0m allow for the placement of barriers.
 2. The barriers are to consist of boulders larger than 1m in diameter, or a rock fill berm 0.5m high. Maximum spacing between barriers is 3.3m.

[illegible]



- LEGEND**
- | | |
|---|---------------------------------|
|  | 'Select' Run of Quarry Material |
|  | 1 1/4" Crushed Material |
|  | Ground Surface |

- ## NOTES:
-
1. Overburden material should be placed in lifts not exceeding 1.5m in thickness. The overall final slope of the overburden pile should not exceed 3H:1V.
 2. The overburden storage shall have a minimum setback of 30m away from the Sedimentation Control Berm and/or above El. 71.5m.
 3. The contractor shall employ best management practices to ensure sediment control and to prevent erosion from the overburden stockpile
 4. The Doris central Sedimentation Berm is to be constructed of 'Select' ROQ material.

[illegible]

Original Drawings
Stamped and
Signed by Engineer



DESIGN: JBK	DRAWN: MDDS	REVIEWED: LW
CHECKED: JBK	APPROVED: EMR	DATE: June 7, 2011

P	FILE NAME: Doris Central Pads and Access Ramp DC-06.dwg
---	---



HOPE BAY MINING LTD

SRK JOB NO.:	1CH008.049
--------------	------------

Doris Central Pads and Access

DRAWING TITLE:

Overburden Storage Area and
Sediment Control Berm

DRAWING NO.

DC-05

QUEST

SHEET
6 of 6

ION NO

A