

DAILY REPORT #120 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lowell Wade	Date:	2012.05.04
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 In Yes No No Out
	JDS	Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Mark Valeriot – Construction Manager Calvin Goldschmidt – Construction Coordinator	No In Yes No Out
Engineering Design Consultants	SRK Consulting (Canada) Inc.	Lowell Wade-Site Engineer Lawrence Borowski – Site Engineer	Yes No
Earthworks Contractor	Nuna Logistics	Doug Haverland – Area/Site Superintendent Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Site Services Foreman Mike MacMaster – Surveyor Mike Price – Field Engineer Rick Peter – Foreman Trevor Sorken – Area/Site Superintendent	In Yes Yes No Yes No No Yes Out
External Distribution List:	SRK: Maritz Rykaart, Lowell Wade, Seema Kang, Silkie Wong EBA: Robert Zschuppe ; Nuna: Chris Petrovic; HBML: Dave Power		
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WEATHER (ROBERTS BAY)

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

Temperature/Wind Chill (°C)	6AM: -6.3	12PM: 0.5	6 PM: -0.4	12 AM: -4.8
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Sunny, clear, calm		Night Shift: N/A.	
Daily norms (°C)	24 hour high: 3.4		24 hour low:-7.9	

HEALTH, SAFETY AND ENVIRONMENT

- Nothing to report

COMMENTS, CORRESPONDENCE, AND ACTIVITIES

DAILY MEETING WITH NUNA AND HBML TEAM:

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

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • Safety: <ul style="list-style-type: none"> ○ Updated Arc Flash hazard signs to be posted within Power Plant • ESR: <ul style="list-style-type: none"> ○ Nothing to report.
North Dam	<ul style="list-style-type: none"> • ND-DSP Boreholes to be backfilled with $\frac{3}{4}$" crush material to 0.5 m below bottom of casing. • Deep Settlement pipes to be installed • ND-IN-070 Inclinometer Installations to be started. • Protective covers for the Inclinometer installations have been fabricated. • The stick-up for ND-IN-120 Inclinometer Installations to be completed • Large ROQ boulders to be placed today for Surface Survey Point installation.
Water Management Structures	<ul style="list-style-type: none"> • Look at moving SRK's barrel tests at Old Windy Camp • Insta-berm located at Old Windy to be set up in shop to inspect • Clean-up at Old Windy Camp continues • The empty enviro-tanks to be moved to the Reagent Pad
General	<ul style="list-style-type: none"> • Last Hercules Airlift last night at 2:30 in the morning. • Buffalo flights to airlift the 50,000 lbs of Calcium Chloride underway.

SURVEY:

Required	<ul style="list-style-type: none"> • The following as-built files for the North Dam: <ul style="list-style-type: none"> ○ Final compiled ROQ surface and linework [CAD processing upcoming] ○ Compiled file of thermistor cables and thermistor cable bedding material (surfaces and linework) this would be for the entire path of the thermistor cables including the information from last year. [CAD processing upcoming] ○ Survey monuments and any backfill materials associated with these monuments. [CAD processing upcoming] • The following as-built files for the Doris Sumps: <ul style="list-style-type: none"> ○ Annulus crush backfill [Field records to be reviewed] ○ Annulus overburden backfill [Field records to be reviewed]
Data Received	<ul style="list-style-type: none"> • Final compiled surface of excavation to 2011 frozen core [lower GCL surface and fillet area] • Updated survey data for the Doris North - North Access Road
Data Outstanding	<ul style="list-style-type: none"> • The following as-built files for the North Dam: <ul style="list-style-type: none"> ○ Final compiled transition material surface and linework [CAD processing upcoming]
Data Upcoming	<ul style="list-style-type: none"> • The following as-built files for the North Dam: <ul style="list-style-type: none"> ○ Final surface and linework of over thermosyphon crush (after compaction) ○ Instrumentation

MULTI-BEAD GROUND TEMPERATURE CABLES

- Nothing to report

WATER MANAGEMENT

- The snow around the berms at Windy is being removed
- The Windy Shop is being cleaned up

DAM SHELL:

- ND-DSP-120 was backfilled with $\frac{3}{4}$ " crush material to 0.5 m below installed casing (Figure 1).
- ND-DSP-100 was sounded to estimate the quantity of $\frac{3}{4}$ " crush material required to backfill the borehole.
 - When the time came to back fill this borehole a sounding was made to confirm the depth to EOH.
 - The bore hole had collapsed to 0.5 m below the casing
 - The internal 4" Vitriolic pipe will be used confirm if the borehole has collapsed to this depth and will be used compact the quantity of $\frac{3}{4}$ " crush used to bring the bottom of the borehole up to 0.5 m below the bottom of the casing.
 - The bottom of the borehole will be firmly compacted to ensure the Deep Settlement Pipe is founded on firm material
- ND-DSP-070 was backfilled with $\frac{3}{4}$ " crush material to 0.5 m below installed casing (Figure 2).
- ND-IN-070-3 was drilled and the Inclinator Casing installed. The dummy probe was used to confirm both grooves were functional (Figure 3)
- ND-IN-070-2 was drilled and the Inclinator Casing installed. The dummy probe was used to confirm both grooves were functional (Figure 4).
- The following ND-SSP ROQ boulders are to be installed:
 - ND-SSP-080-1
 - ND-SSP-080-2
 - ND-SSP-080-3
 - ND-SSP-065-1
 - ND-SSP-065-2
 - ND-SSP-065-3
- General clean-up and compaction around the dam continues.

GENERAL

- Clean-up at Old Windy Camp.

FIGURES



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

Subject ND-DSP-120

Sheet 1 of 1

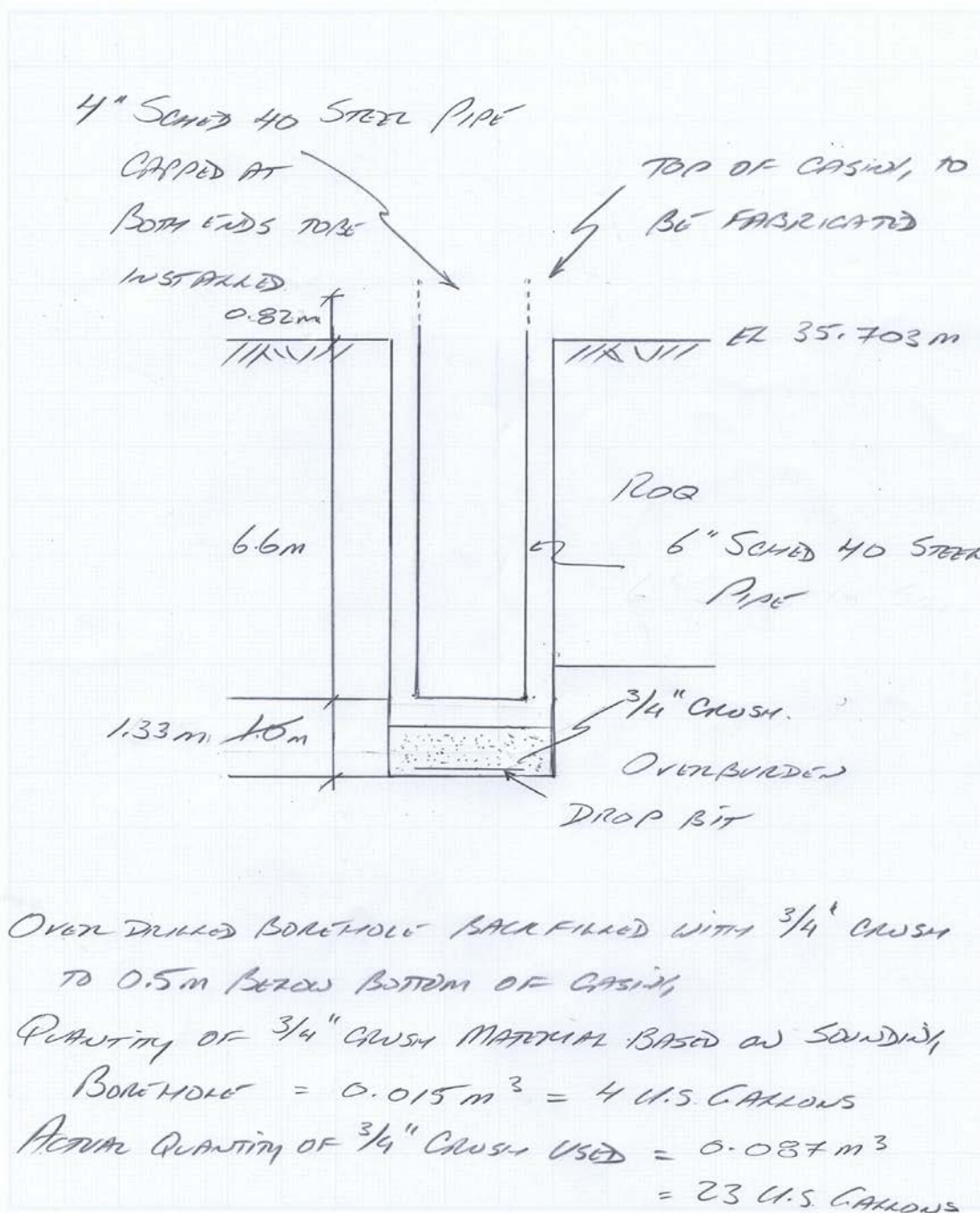


Figure 1: Updated Borehole log for ND-DSP-120.



Project No. 1C0008-058-0320 Site Kabar Bay
 Prepared by D. L. Jones Date May 3 2012
 Approved by _____ Date May 4 2012

Subject ND-DSP-070 Sheet 1 of 1

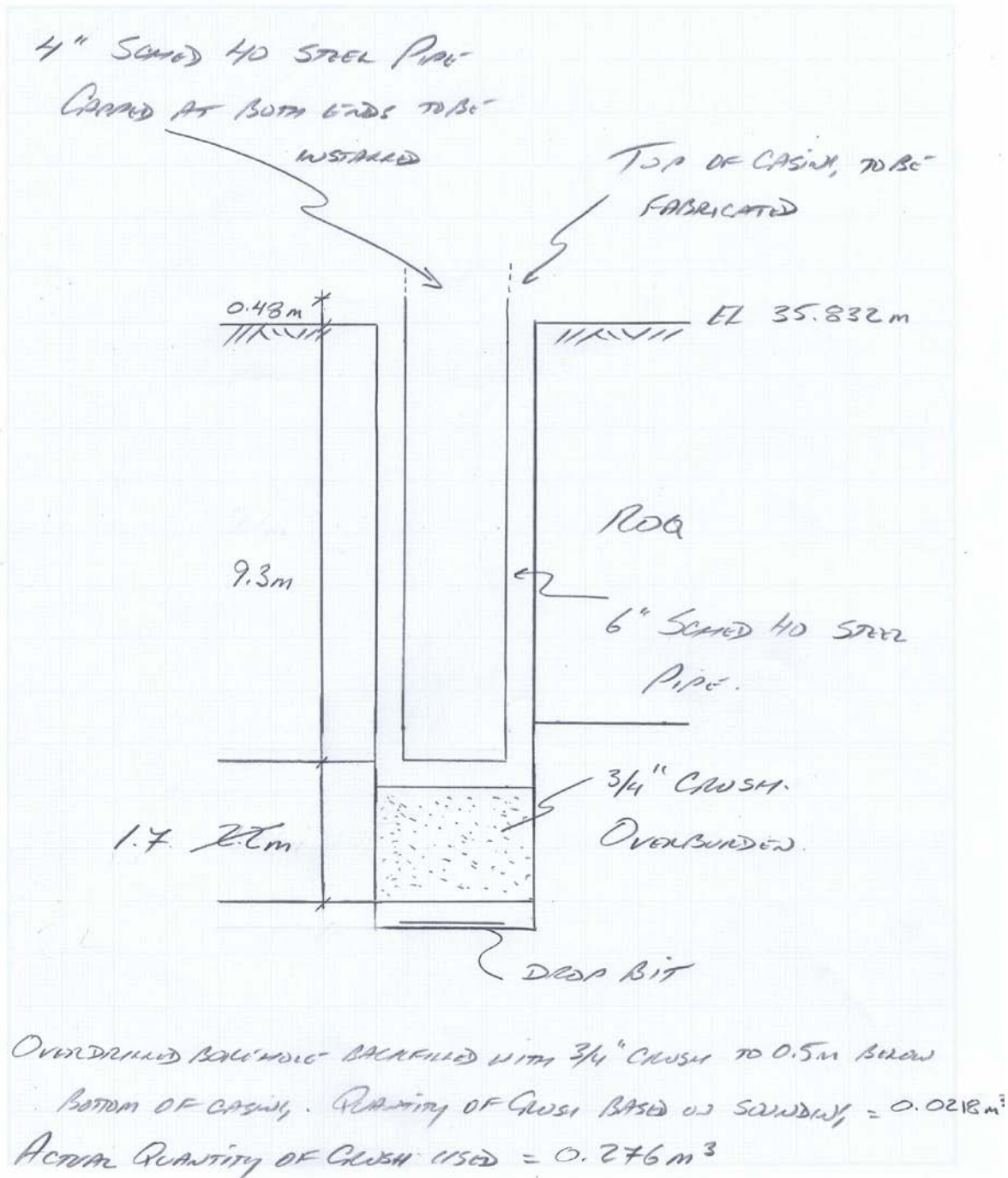


Figure 2: Updated Borehole log for ND-DSP-070.

Project No. 1CH028-0320Site Harvey BayPrepared by A. WakeDate May 4 2012

Approved by _____

Date _____

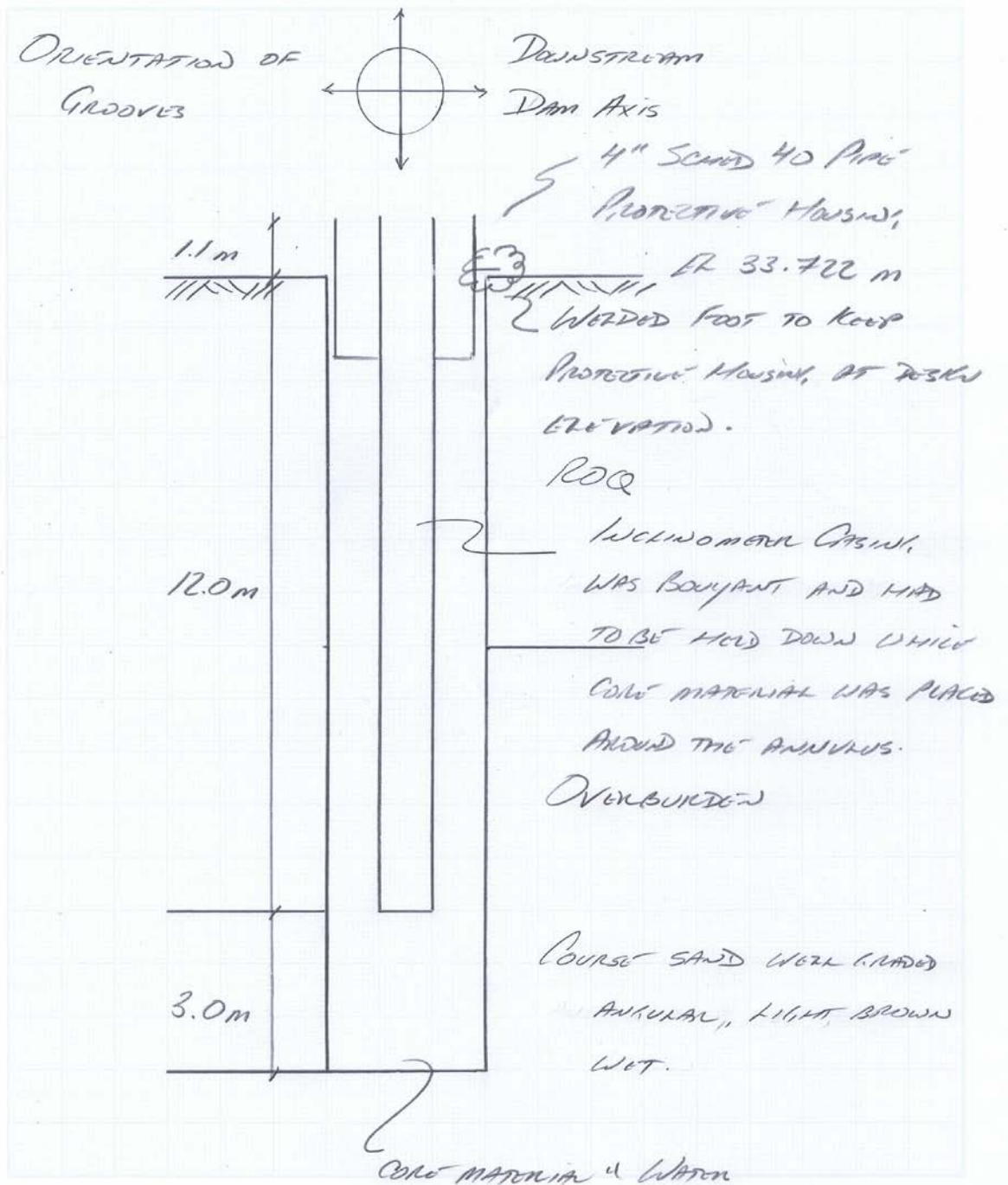
Subject ND-IN-070-3Sheet 1 of 1

Figure 3: Borehole log for ND-IN-070-3.



Project No. ICD008 053 0310 Site Hoa Bay
 Prepared by A. V. V. Date May 4 2012
 Approved by _____ Date _____

Subject ND-IN-070-2 Sheet 1 of 1

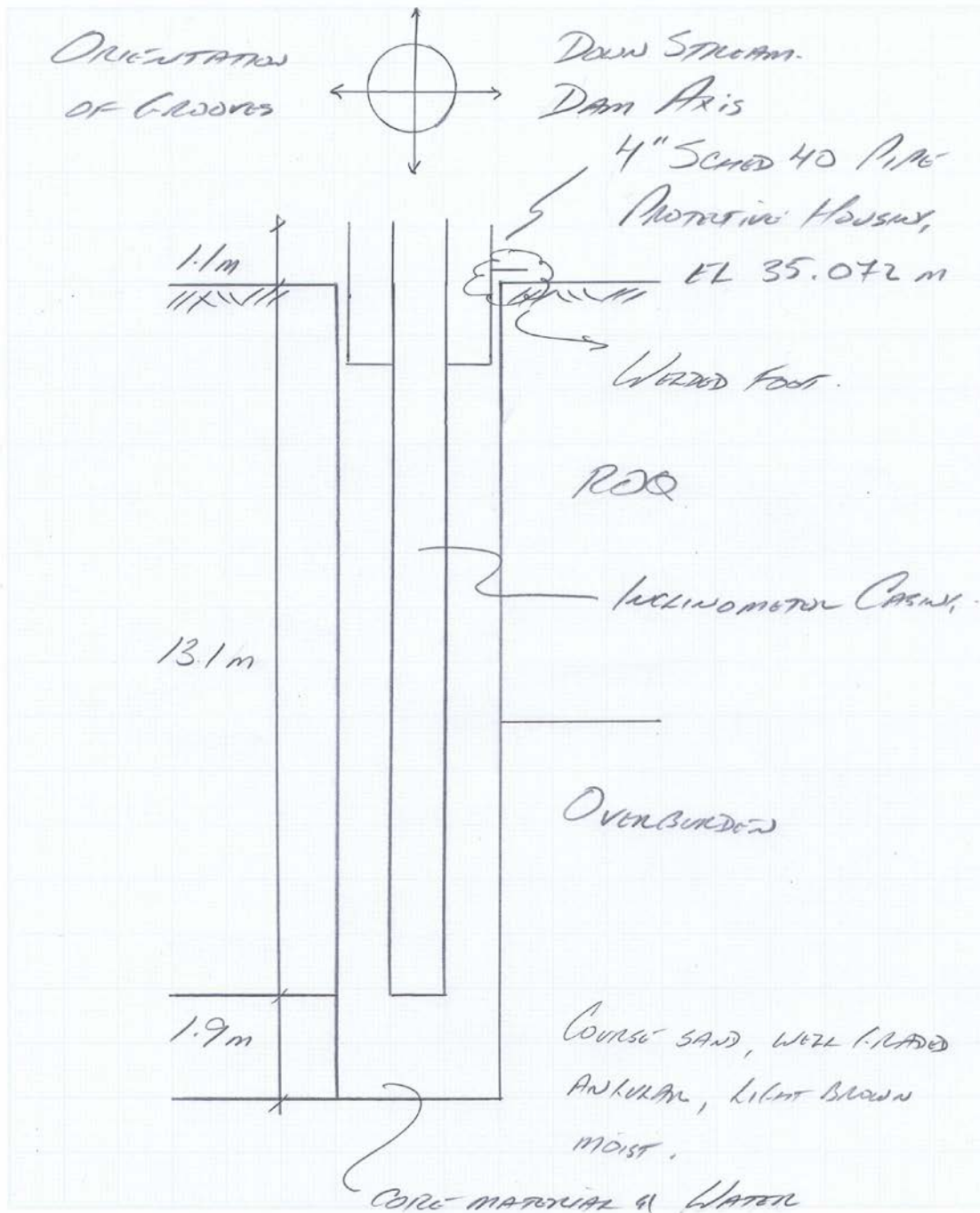


Figure 4: Borehole log for ND-IN-070-2.

PHOTOS



Photo 1: Large ROQ boulder installed as a Surface Settlement Point. The Survey pin to be installed.



Photo 2: Installation of ND-IN-070-2. A length of rebar was used to ensure the sand did not bridge down the borehole.



Photo 3: The foot welded to the side of the protective housing to ensure it is installed at the correct elevations.



Photo 3: The completed stick-up of ND-IN-070-2.