



March 31, 2009

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0
Email: licensing@nunavutwaterboard.org

**Re: Submission of Polishing/Waste Stabilization Pond No. 3, Mary River Camp
Type B Water License #2BB-MRY0710, Part J, Item 4
Mary River Project**

Dear Ms. Beaulieu,

Baffinland Iron Mines Corporation (BIM) is pleased to submit, herewith, the required as-built documentation for Polishing/Waste Stabilization Pond (PWSP) No. 3, located at the Mary River Camp. The PWSP No. 3 is a component of the Mary River Camp sewage treatment facility. This submission is a requirement under Part J, Item 4, of Water Licence #2BB-MRY0710.

Please contact me should you have any questions concerning this submission by e-mail at jim.millard@baffinland.com.

Yours sincerely,

Baffinland Iron Mines Corporation

James Millard, M.Sc., P.Geo.
Environmental Superintendent

Cc. Andrew Keim, INAC
David McCann, BIM
Dick Matthews, BIM
Cheryl Wray, BIM

Attachment: As-Built Report for PWSP No. 3, Mary River Camp

Baffinland Iron Mines Corporation

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March 25, 2009

Jim Millard
Environmental Superintendent
Baffinland Iron Mines Corporation
Suite 1016, 120 Adelaide Street West
Toronto, Ontario
M5H 1T1

Dear Jim,

RE:

**MARY RIVER PROJECT
Polishing/Waste Stabilization Pond #3
AS-BUILT REPORT
OUR REFERENCE NO. 09-058**

Genivar Consultants (GENIVAR) was retained by Baffinland Iron Mines Corporation (BIMC) to design the sewage works for their camp at Mary River site in Nunavut and to complete the as-built reports.

A Rotating Biological Contactor (RBC), Sewage Treatment Plant has been installed and commissioned at the camp for sewage treatment. The effluents from the RBC were directed to Polishing/Waste Stabilization Ponds (PWSPs). Upon satisfactory results of the RBC effluents meeting the required discharge criteria, the RBC effluents are to be discharged to Sheardown Lake. Details are described in the Wastewater Management Plan first submitted in September 2007 and recently revised in March 2009.

The as-built report for PWSP #1 and #2 was previously submitted to the Nunavut Water Board (NWB) in July 2008. The third PWSP (PWSP #3) was designed by GENIVAR, constructed by BIMC and was reviewed during the construction by GENIVAR for Quality Assurance and Quality Control (QA/QC).

PWSP #3 was designed to have a capacity of 4,800 cubic meters. Based on the recent survey of the pond, as set out on drawings included in Appendix 1, the installed pond has a capacity of approximately 4,800 cubic meters.

The pond was designed to be lined with a geomembrane, commercially known as Envirliner60 purchased from Layfield Industries. The liner for the PWSP #3 was manufactured at Layfield manufacturing facility and delivered to the site in one piece. No field fusing was therefore required and as such certification by the manufacturer was not warranted.

GENIVAR QA/QC personnel were present during construction and were satisfied with the subgrade material prior to installation of the liner. All berms and liner were constructed as per the design drawings. As-constructed drawings and photos are included as attachments to this letter.

Yours truly,

Genivar Consultants



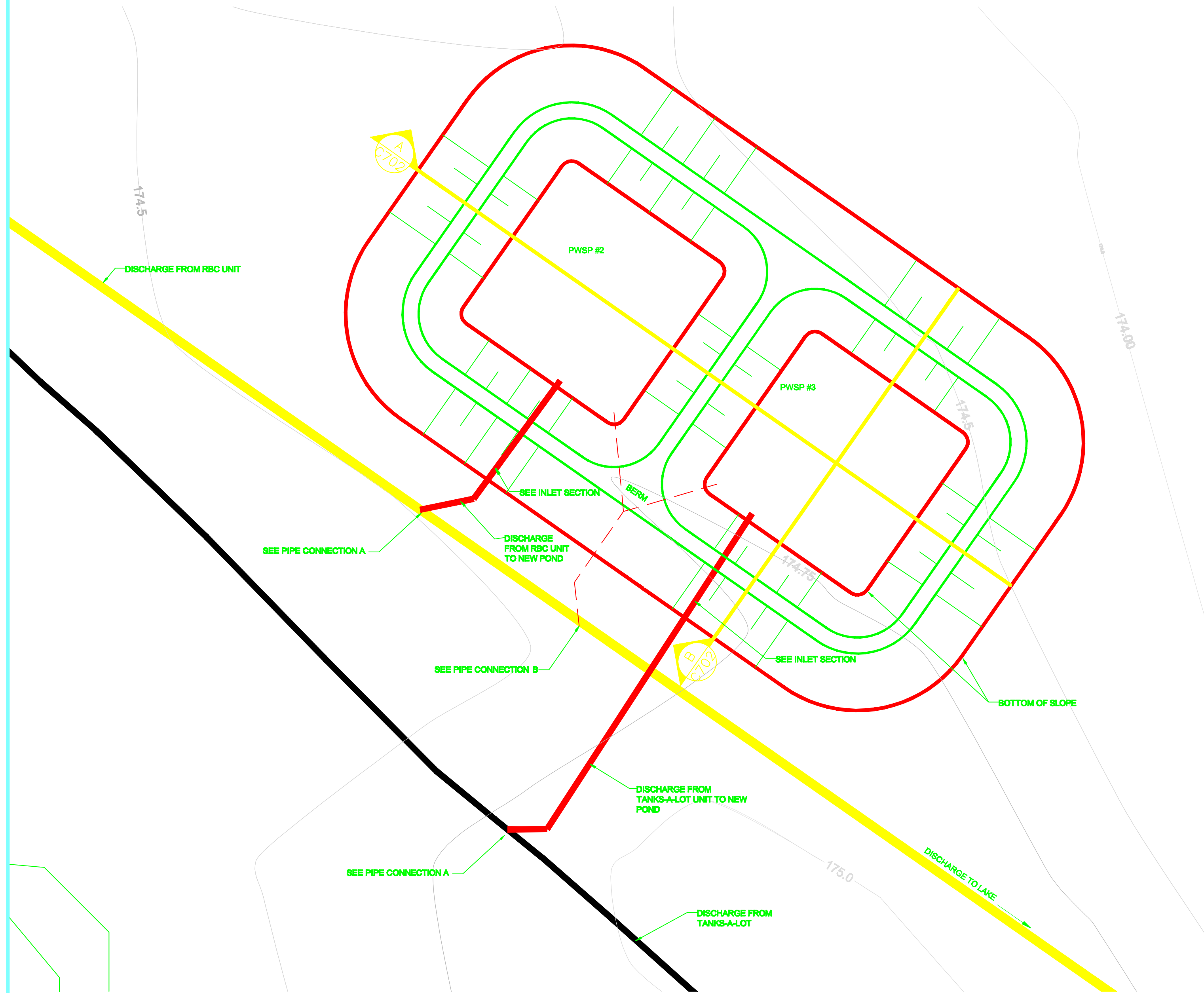
Marz G. Kord, P. Eng., M.Sc., MBA
MK/

➤ **ATTACHMENTS**

- **Design Drawing**
- **As-Built drawing**
- **Photos**

PWSP PLAN VIEW

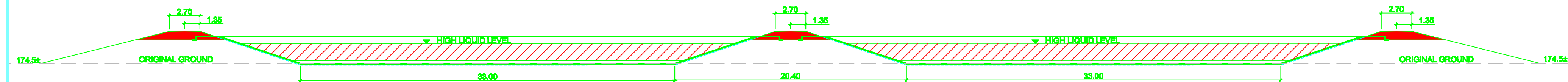
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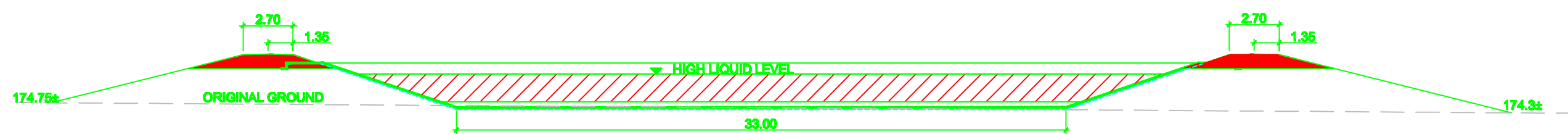
A
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SECTION

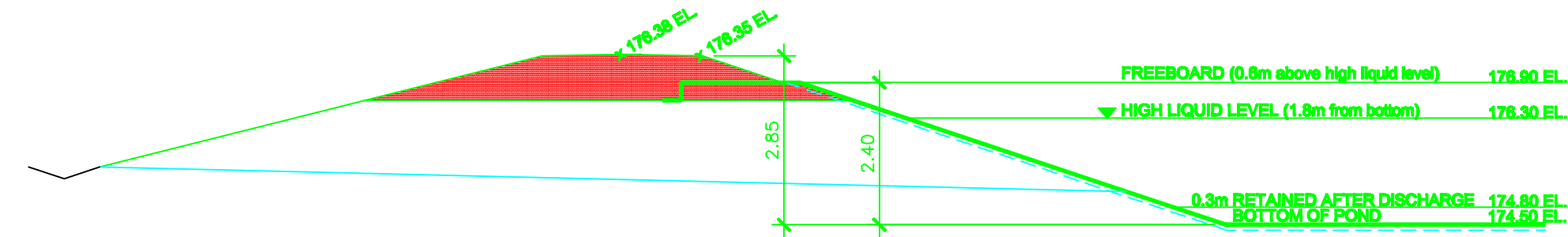
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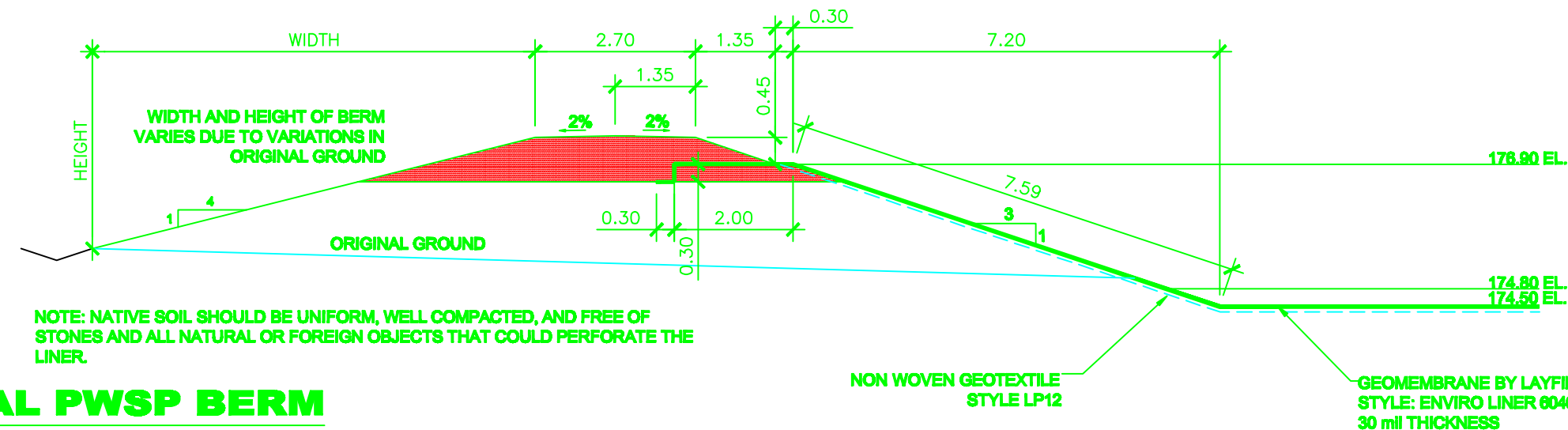
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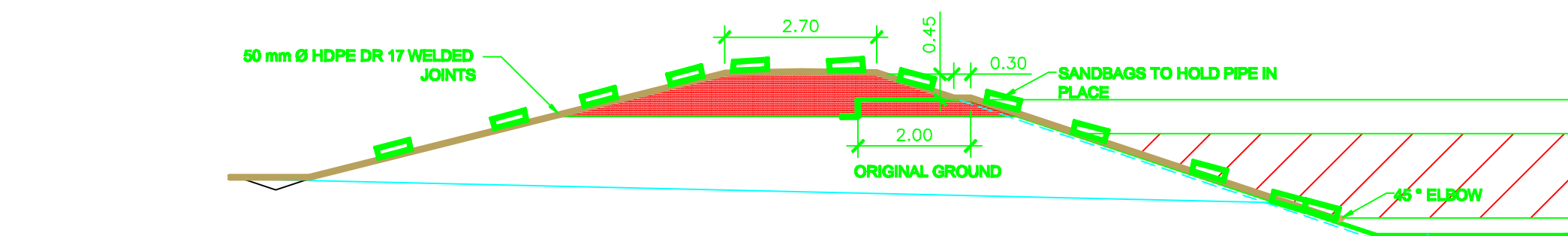
TYPICAL PWSP BERM

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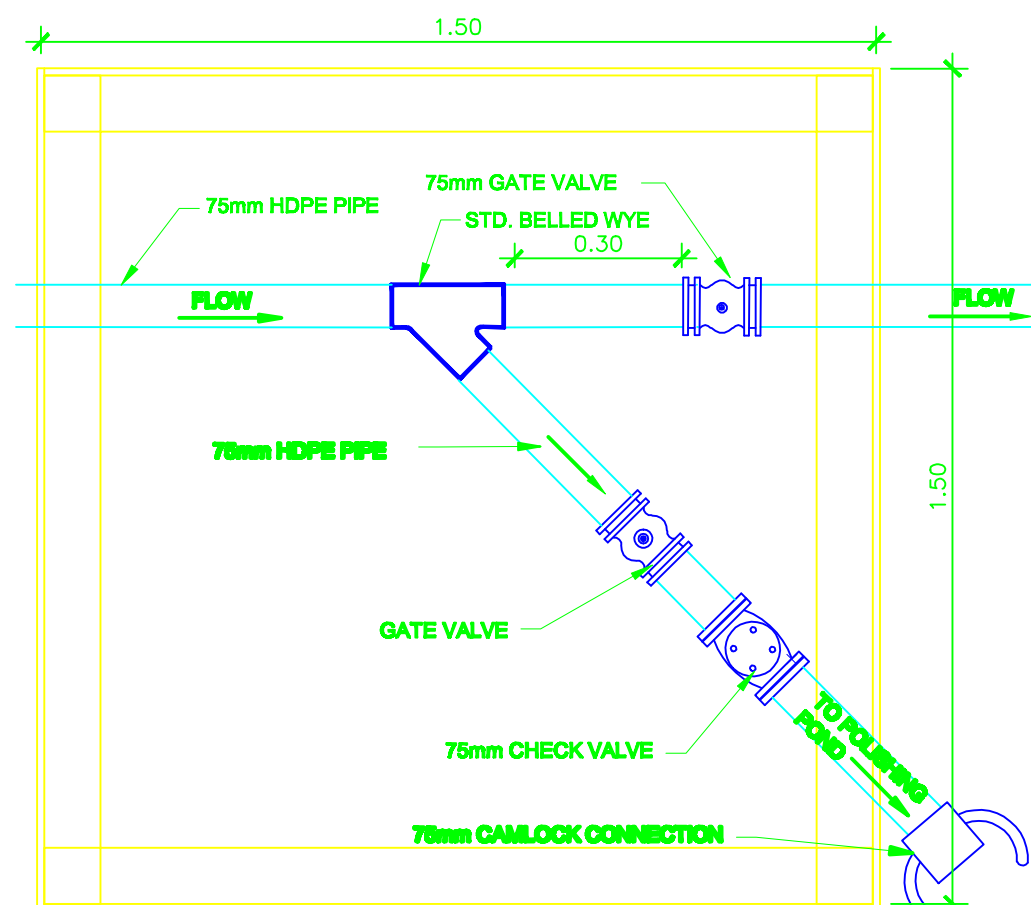


INLET SECTION

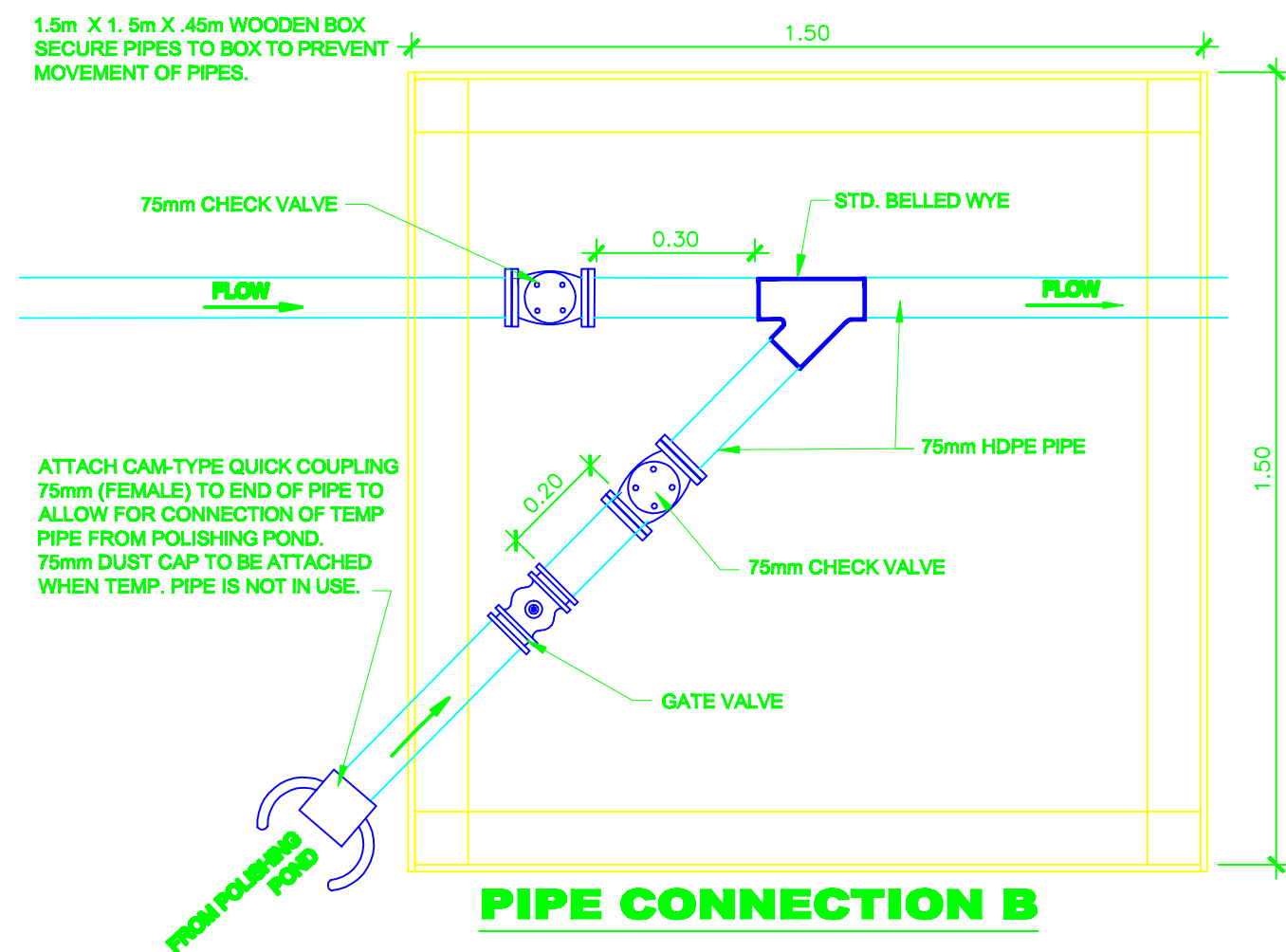
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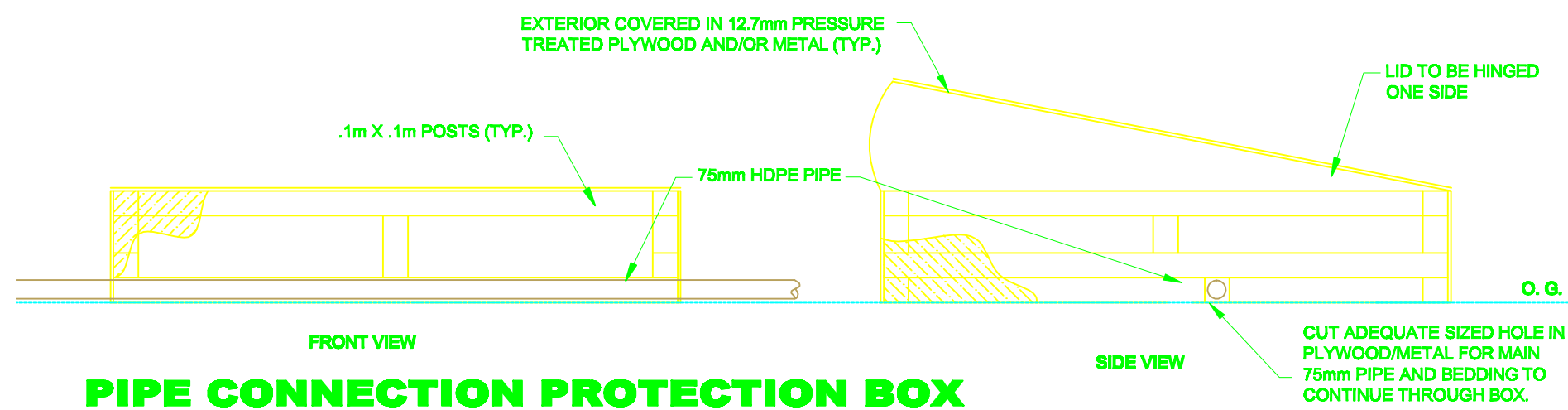
PIPE CONNECTION A



PIPE CONNECTION B



PIPE CONNECTION PROTECTION BOX



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Contractors shall verify and be responsible for all dimensions and conditions on the job and report any discrepancies to the Architect and/or Engineer before proceeding with the work.

Drawings shall not be scaled.

Description	Date	No.
Revisions and Issues		



NORTH

Date Printed



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ARCHITECT STRUCTURAL/CIVIL

MECHANICAL ELECTRICAL

Project
MARY RIVER PROJECT
BAFFIN LAND IRON
MINES CORP
BAFFIN ISLAND NUNAVUT
Drawing
MARY RIVER
PWSP #2
PLAN/PROFILE

Date	APRIL 2008	CADD File Number	civil/design/ maincamp/dwg
Scale	AS NOTED	Job Number	09-058
Drawn	AB	Drawing Number	C101
Checked	BM		
Approved	BM		



Photo 1: Material has been brought to the PWSP #3 site for placement and berm construction



Photo 2: Crew is installing the liner at PWSP #3



Photo 3: The liner is anchored in the trench at the top of the berm



Photo 4: The liner was manufactured and placed as one piece. Thus there was no need for field fusing.



Photo 5: The top of berm is being covered with granular material.



Photo 6: Completed top of berm can be seen above.