



B.H. MARTIN CONSULTANTS LTD.
CONSULTING ENGINEERS AND ARCHITECT

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December 9, 2007

Derek Chubb
Vice President- Sustainable Development
Baffinland Iron Mines Corporation
Suite 1016, 120 Adelaide Street West
Toronto, Ontario M5H 1T1

Dear Derek,

RE:

**MARY RIVER PROJECT- FUEL STORAGE FACILITY
MILNE INLET
OUR REFERENCE NO. 06-090**

B. H. Martin Consultants Ltd. was retained by Baffinland Iron Mines Corporation (BIMC) to design containments for their fuel storage at their Milne Inlet site in Nunavut and subsequently compile all as-built conditions of the fuel storage facility.

BACKGROUND

A total of 8,289,000 Litres of fuel will be used during the bulk sampling program. Of this approximately 8 ML is diesel fuel and the remainder is Jet "A" fuel for aviation. All fuel for the project arrives at the Milne Inlet port initially. A temporary fuel storage facility has been built to contain all the required fuel at this location. Approximately 1.6ML of this fuel will be transported by approved fuel trucks to the Mary River Camp (approximately 94 km from Milne Inlet). This fuel will be stored in another temporary storage facility at that site.

PROPOSED DESIGN OF THE FACILITIES

Figure C101 (appendix 1) show the site plan at the Milne Inlet port.

Fuel was shipped via tankers from the port of Montreal. All fuel at Milne inlet is stored in the temporary bulk storage facility consisting of fuel bladders within a lined and bermed containment. Figures C201R1 to C203R1 included in Appendix 1 show the construction details of the fuel facility at Milne Inlet. The fuel bladders are identified in NIRB's Northern Remote Site Protocols document (Dillon, 1998) and have been used by both private and the federal government in Nunavut, Yukon and other arctic regions of the world. The fuel bladders are supplied by Raymac Industries and engineered by SEI Industries. Detailed arrangement of

the fuel bladders in the containment as well as piping arrangement is included in Appendix 2.

As shown in the related drawings in Appendix 1, each fuel storage facility consists of an earthen berm lined with a petroleum-resistant geomembrane liner (Hazard HZ-500) that meets ULC/ORD-C58.9-1997 specifications for Underground and Aboveground flammable and combustible liquid storage tanks. The liner is then covered with approximately 300mm of granular material to protect it from damage.

The containments are designed to hold 110% of total aggregate capacity of the fuel facility as per the CCME's "Environmental Code of Practice for Aboveground and Underground Storage Tank Systems containing Petroleum and Allied Petroleum Products" and "National Fire Code of Canada" standards. As well, the containments consist of a sump for collection of precipitation. The containments floors are graded towards the sump. A mobile oil/water separator & pump arrangement (on a trailer) will be brought in to empty the sump periodically to ensure adequate space in the sump. The oil water separator is equipped with filters to separate the oil from the water. The clean water from the oil/water separator is discharged to the outside of the container (a ditch is constructed around the perimeter of the containment to divert water away from the slopes) while the oil which is collected in drums and subsequently shipped offsite for recycling.

The Milne Inlet fuel facility consists of 74 bladders, each containing 113,560 litres. Approximately 71 of the bladders are used for storage of diesel fuel while 3 bladders are used for aviation fuel.

The fuel facility is equipped with dispensers consisting of electric pumps and shut-off valves, and fuelling procedures require full time attendance at all times. Fuel stations also consist of a lined pad backfilled with granular material. The precipitation within this area will be collected in a sump and will be pumped by oil/water separator and pump and discharged in the same fashion as described above. Any fuel spills will be contained within the lined areas which can be excavated, tested and treated if necessary at the end of the bulk sampling program.

AS-CONSTRUCTED CONDITIONS

Containment construction

The containment for the fuel farm was constructed in general conformance with the design. For details on the plans and sections of the containment construction, please refer to as-constructed drawings C201 to C202 (appendix 2). The material used for the containment berms and base was brought from nearby borrow sources. The material was free of any deleterious substances and was approved

by the liner construction staff. A certificate of acceptance is included in Appendix 2 by Raymac/Layfield who is the suppliers and contractor for the lining of the containment.

The liner was installed and welded as per the design criteria as well as liner manufacturer's recommendations. The liner was a nominal 40-mil impermeable material (commercially known as Hazgard 50). Quality Assurance and Quality Control was provided by Layfield (the liner material supplier) and a QA/QC report is included in Appendix 2.

Mechanical (bladders, pipes, valves...)

All mechanical components of the fuel farm including the bladders (fuel tanks), the piping network within the containment, valves, the sump, oil/water separator, and the piping from the shore to the fuel farm was designed by SEI Industries and constructed by Raymac Inc.

As-constructed drawings of the mechanical components of the fuel farm are included in Appendix 2.

It is our understanding that the fuel farm facility was designed and built in general conformance with CCME's "Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products" as well as "National Fire Code of Canada".

The following requirements have either been followed or shall be followed by Baffinland Iron Mines Corporation in order to ensure compliance with CCME and NFC guidelines prior to the operation of the facility:

Tank Registration

Each storage tank will be registered with the Fire Marshal in December, 2007. The registration document will include the name of owner, address of owner, type of facility, location of the tanks, storage capacity of the tank, type of product stored, year of installation, ULC standard of tank (bladder), type of storage material, type of piping material, type of corrosion protection (if any), type of pumps, description of leak detection system, type of secondary containment, name of operator, name of land owner, name of installer, manufacturer of storage tanks as per CCME, item 2.4.2.

Visual Leak Detection

Baffinland conducts a daily visual leak inspection of each fuel farm tank. An inventory reconciliation plan will be devised during the bladder operation as part of the leak detection system.

Spill Contingency plan

The fuel farm operation shall comply with the guidelines set forth by the Spill Contingency Planning and Reporting Regulations. This spill Contingency Plan has been provided by BIMC to the Nunavut Water Board and a copy is available at each site.

Bladder and Product Identification

Each tank/bladder should be identified in conformance with CPPI "using the CPPI Colour-symbol system to mark equipment and vehicles for product identification".

Fire Protection

At least 2 fire extinguishers, each having a rating of not less than 80-B:C, has been provided at the truck loading pad and at the fuel intake to the fuel farm.

Please note that in all cases, the authority having jurisdiction is as follows:

Fire Marshall
Department of Community Government & Transportation
Government of Nunavut
P.O. Box 1000, Station 700
Iqaluit, Nunavut X0A 0H0
Tel. 879-975-5310
Fax. 867-979-4221

We trust this report is satisfactory and meets your requirements. However, should you have any questions, please do not hesitate to contact the undersigned for further discussion.

Yours truly,

B.H. Martin Consultants Ltd.



Marz G. Kord, P. Eng., M.Sc., MBA
Manager of Engineering



APPENDIX 1

DESIGN DRAWINGS

SITE BENCH MARK

This Drawing is an instrument of service and shall remain the property of B.H. Martin Consultants Ltd. It may not be reproduced or copied in any form. It shall not be used for the construction, enlargement or alteration of a building other than the safe project or structure shown on this drawing without the written authorization of the ARCHITECT and/or ENGINEER.

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.

THE POSITION OF POLE LINES, CONDUITS, WATERWAYS, SEWERS, AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS SHOWN BY DASHED LINES AND STRUCTURES IS WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. CONTRACTOR SHALL INFORM HIMSELF OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

LEGEND:
9.5' = EXISTING ELEVATION
x 9.5' = PROPOSED ELEVATION

ISSUED FOR CONSTRUCTION	July 03, 2007	1
ISSUED FOR REVIEW/TENDER	June 5, 2007	0
Description	Date	No.
Revisions and Issues		



NORTH

Date Plotted



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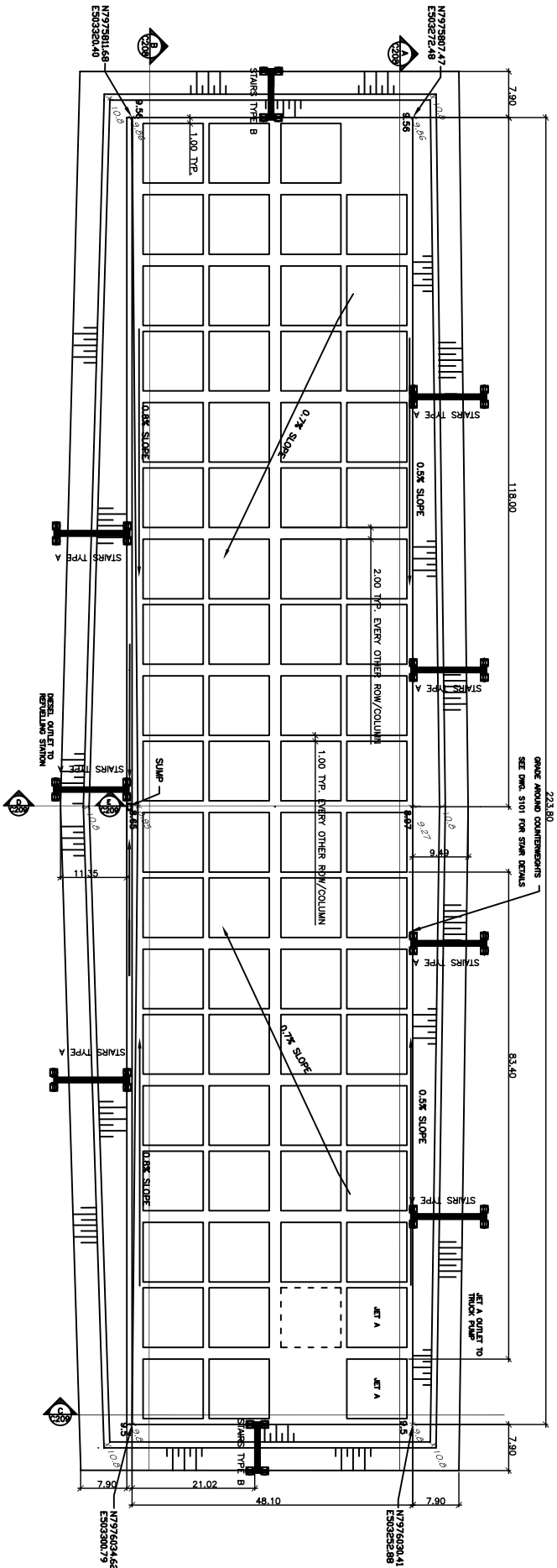
ARCHITECT STRUCTURAL/CIVIL

MECHANICAL ELECTRICAL

Project
**BAFFINLAND
IRON ORE MINES
FUEL FARM**
BAFFIN ISLAND
Drawing
**MILNE INLET SITE
FUEL FARM
PLAN VIEW**

Date JUNE 2007	CADD File Number -MILNE INLET FUEL FARM - C201R1
Scale 1:500	Job Number 06-090
Drawn SO	
Checked MK	Drawing Number C201-R1
Approved	

NOTE:
- CONTRACTOR TO SHAPE BASIN TO DRAIN TO SUMP AS PER PLAN.
- THEN TO PLACE GEOTEXTILE MEMBRANE AND GRAVEL COVER C/W BEAMS.
- SUMP TO BE CONSTRUCTED TO 0.5% SLOPE TO DRAINAGE POINT.
- OUTSIDE PERIMETER OF BEAM MAY VARY DUE TO ORIGINAL GROUND ELEVATIONS.



SCALE

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THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THIS DRAWING AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

[illegible]

Drawn SO	06-090
Checked MK	
Approved	
Drawing Number C203-R1	

A vertical scale bar with a central zero point. The scale extends 5.0m in both directions from the center, with markings every 1.0m.

SCALE



APPENDIX 2

**AS-CONSTRUCTED DRAWINGS
AS-CONSTRUCTED REPORTS (QA/QC)**

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Revisions and Issues		



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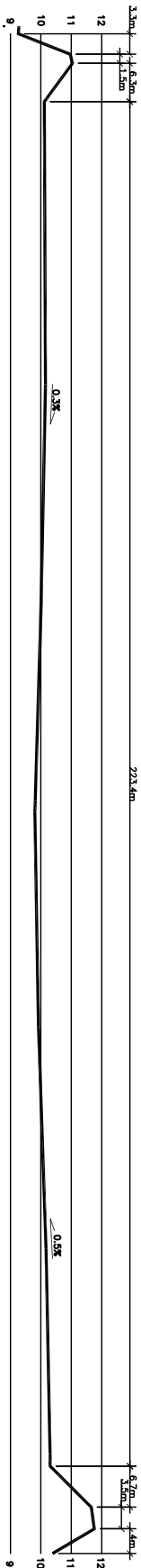
MECHANICAL ELECTRICAL

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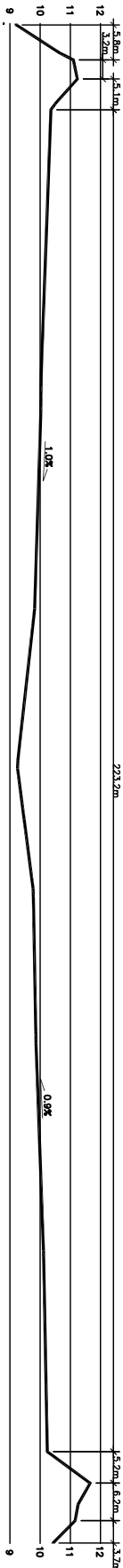
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	Bathfeland Iron Mines Corp
Drawing	Nunavut
	Milne Inlet Fuel Farm Layout As Built

Date	Dec 2007	CADD File Number	Survey/Milne-06wp C201
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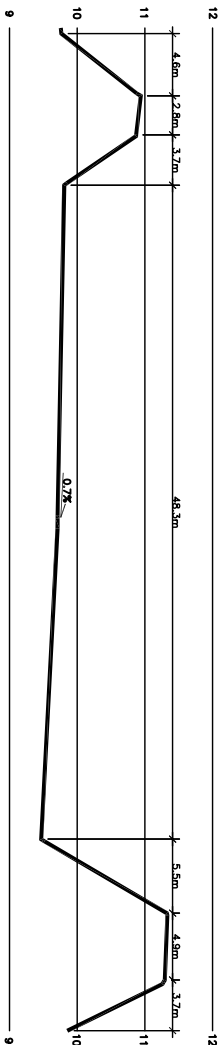
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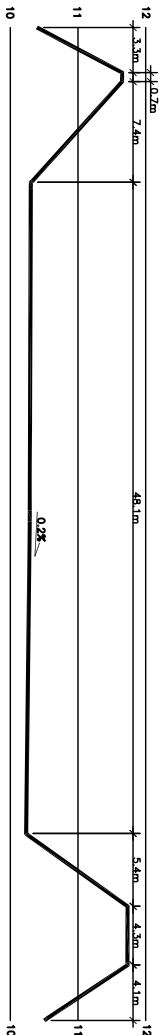
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C201



SECTION C
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C201



SECTION D
SCALE 1:250
C201



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Description		
Revisions and Issues	Date	No.



NORTH

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ARCHITECT STRUCTURAL/CML

MECHANICAL ELECTRICAL

Project
MILNE INLET PROJECT
BAFFINLAND IRON MINES CORP

Drawing
MILNE INLET FUEL FARM
AS BUILT SECTIONS

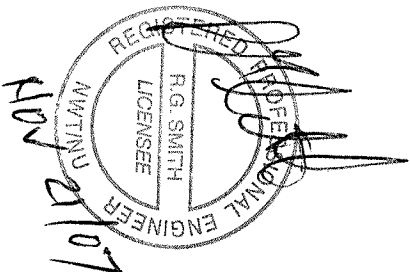
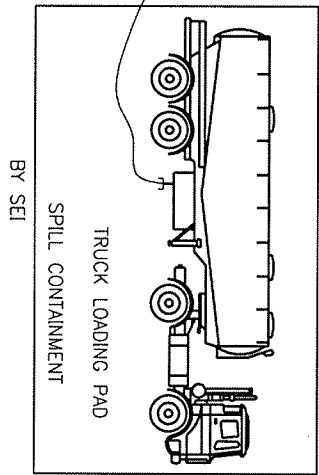
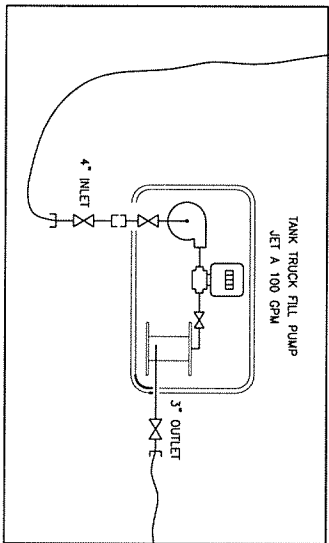
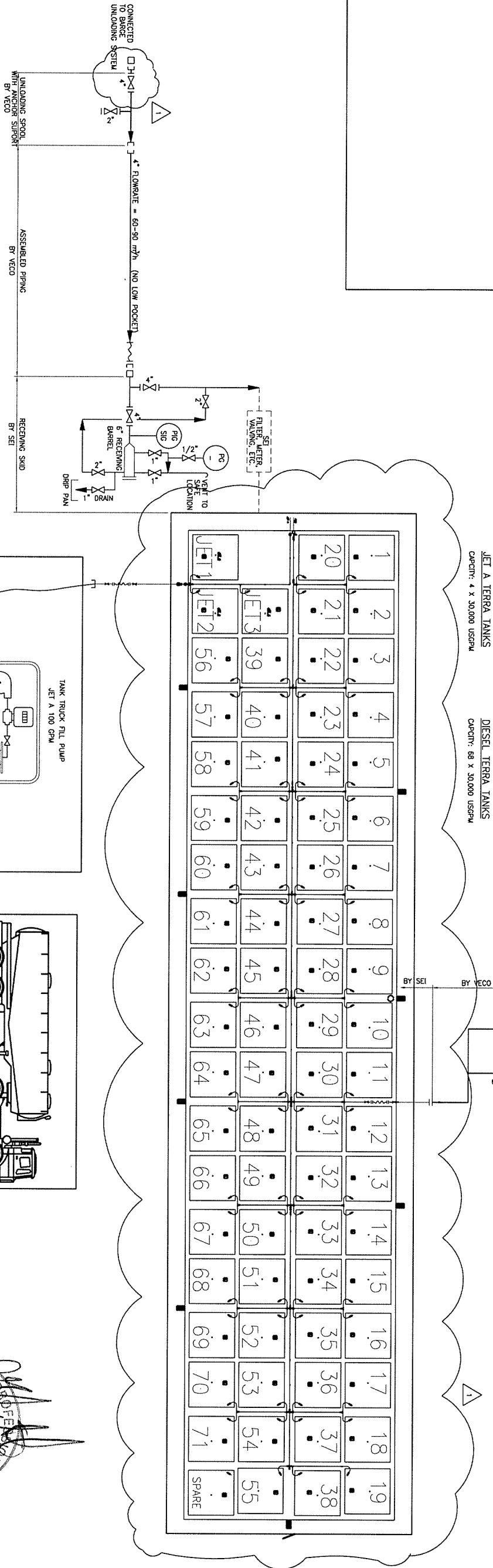
BAFFIN ISLAND

NUNAVUT

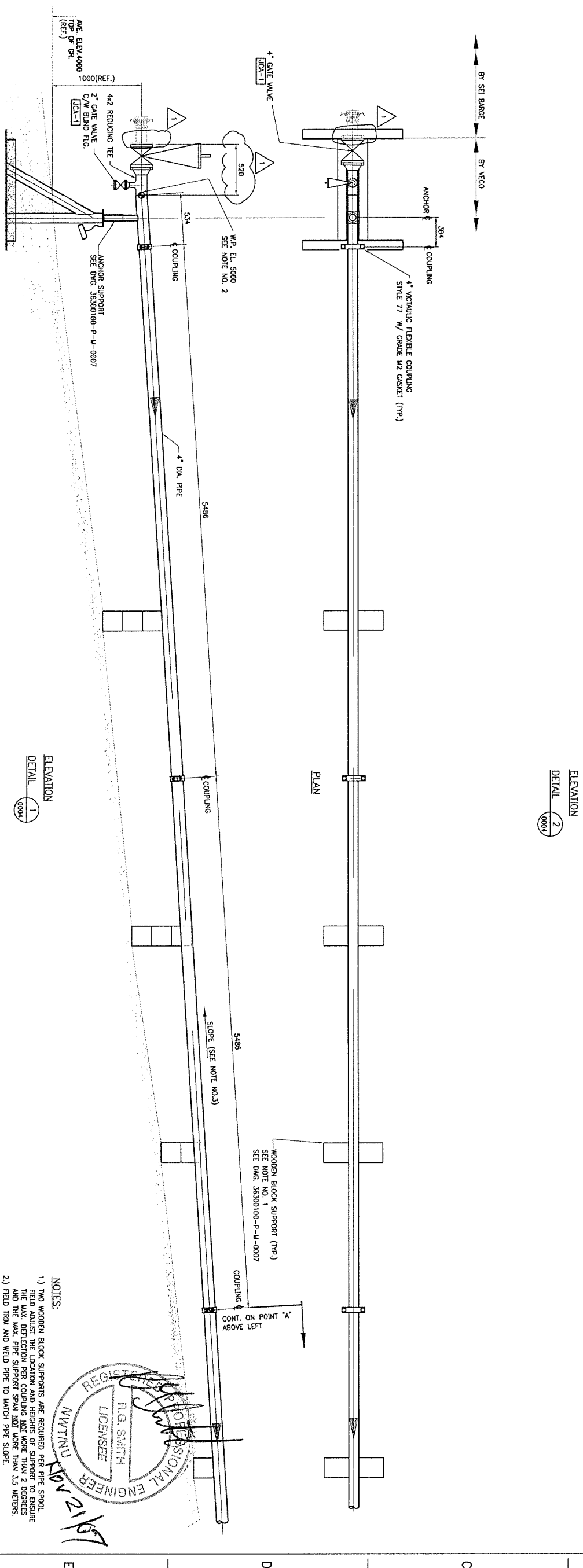
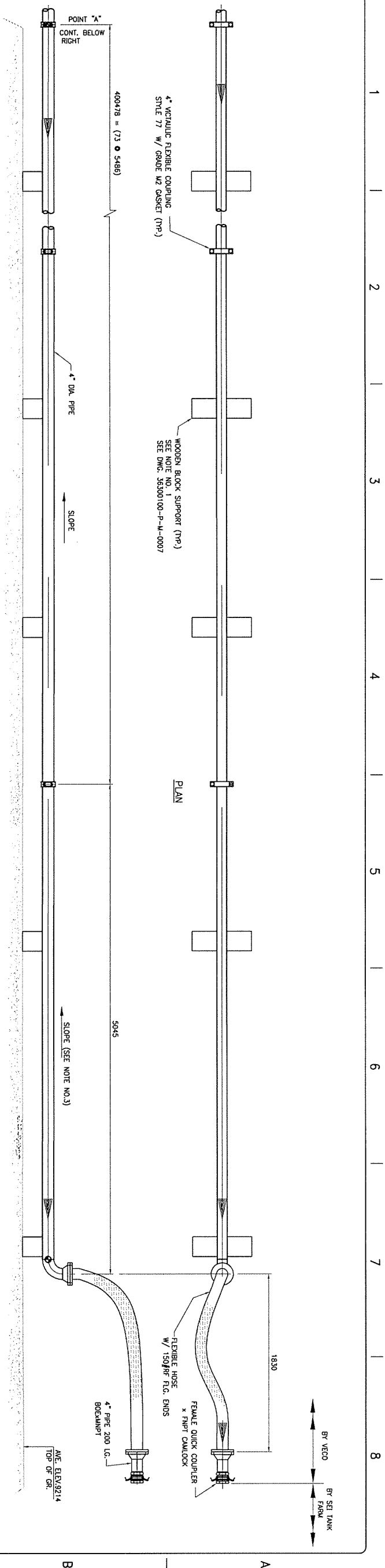
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LEGEND

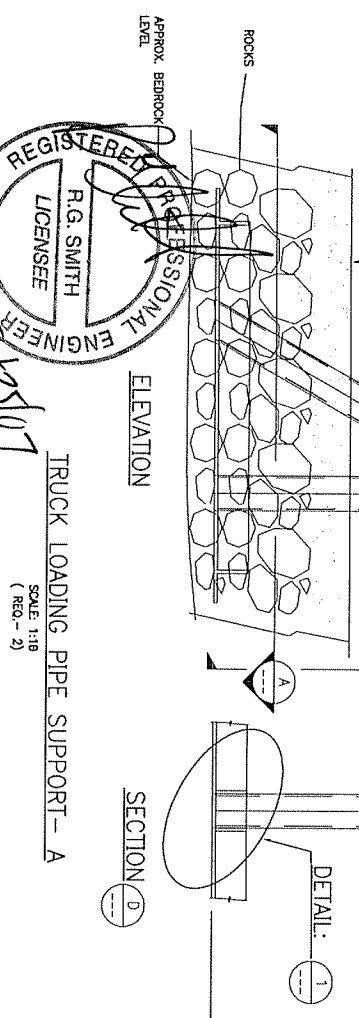
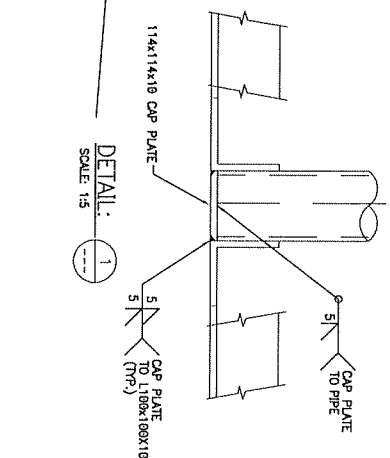
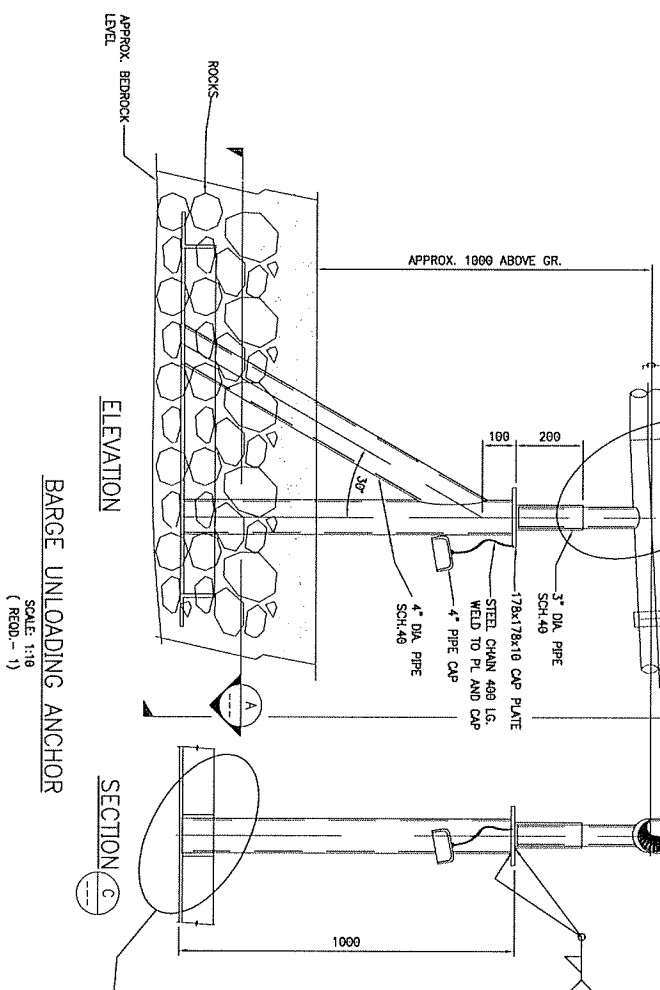
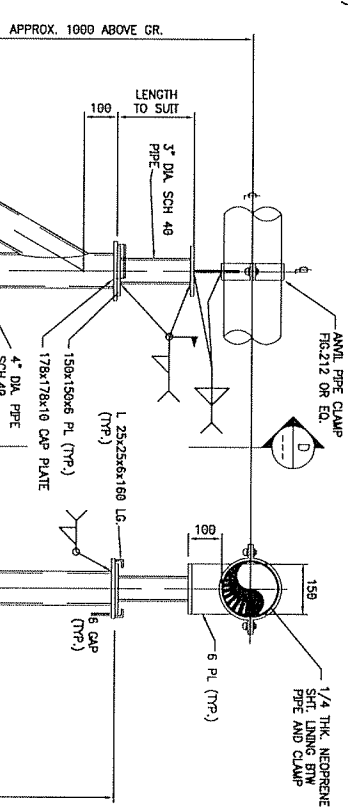
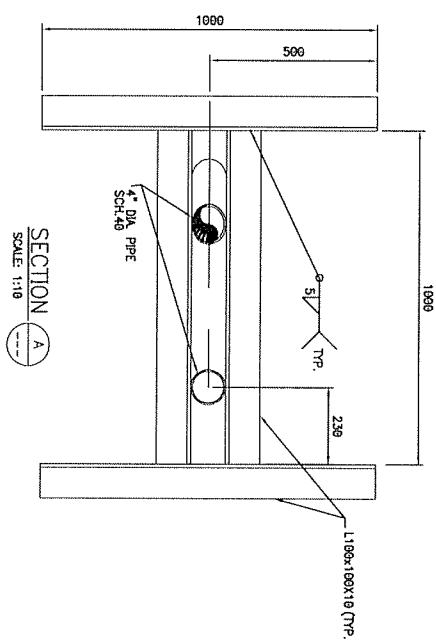
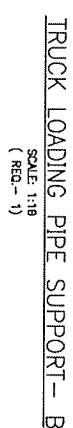
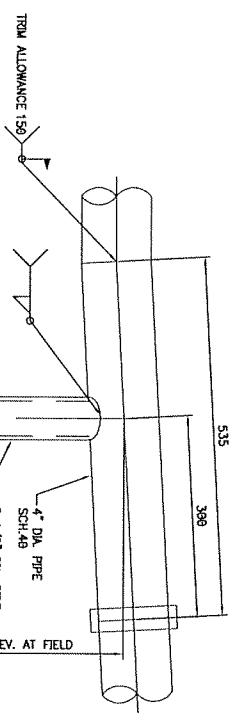
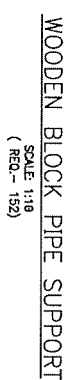
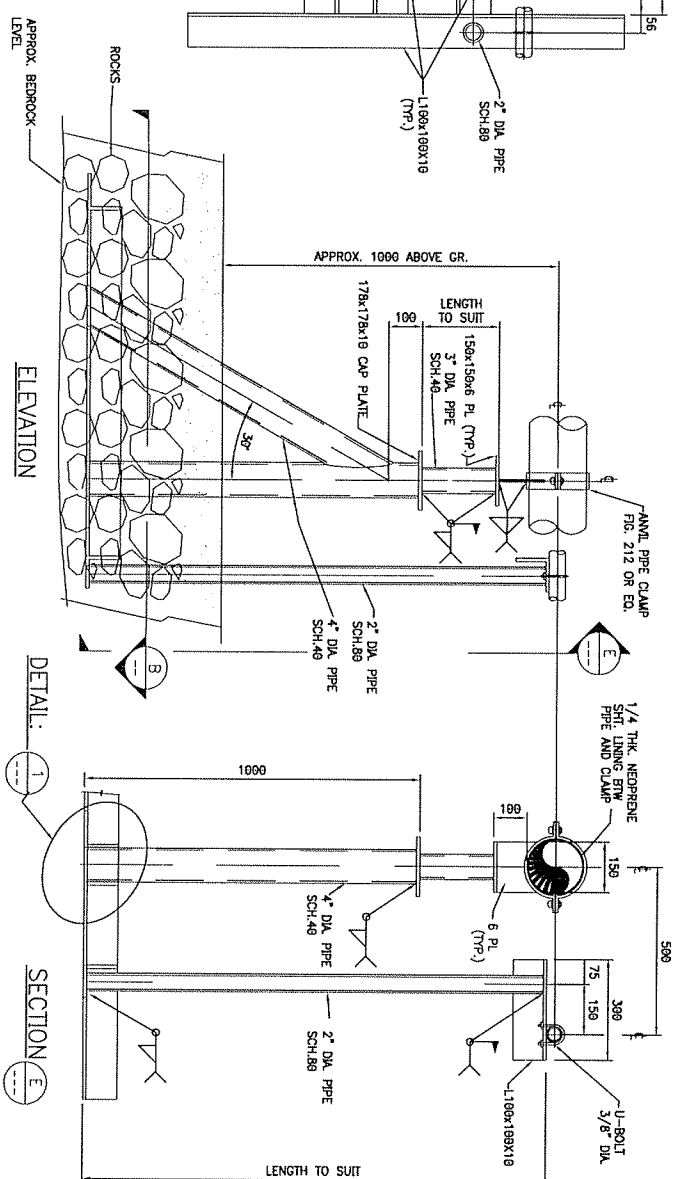
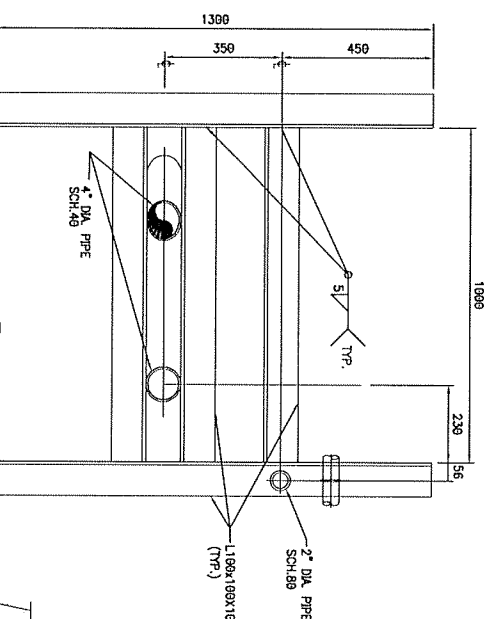
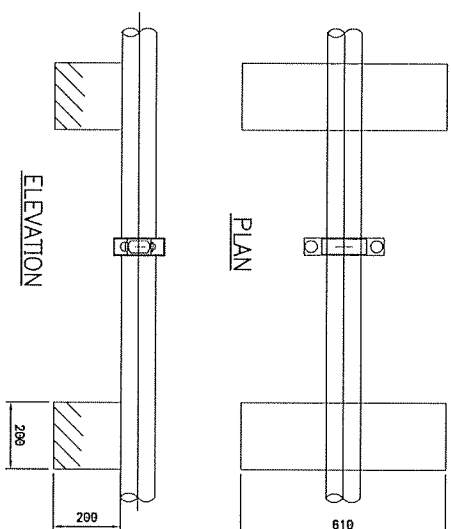
- Gate Valve
- Check Valve
- Reducer
- Quick Coupler Adaptor (KALON)
- Hose
- Pressure Gage
- PIC Indicator



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51	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	50	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	51	2007/09/18
52	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	51	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	52	2007/09/18
53	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	52	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	53	2007/09/18
54	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	53	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	54	2007/09/18
55	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	54	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	55	2007/09/18
56	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	55	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	56	2007/09/18
57	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	56	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	57	2007/09/18
58	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	57	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	58	2007/09/18
59	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	58	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	59	2007/09/18
60	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	59	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	60	2007/09/18
61	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	60	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	61	2007/09/18
62	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	61	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	62	2007/09/18
63	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	62	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	63	2007/09/18
64	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	63	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	64	2007/09/18
65	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	64	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	65	2007/09/18
66	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	65	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	66	2007/09/18
67	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	66	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	67	2007/09/18
68	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	67	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	68	2007/09/18
69	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	68	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	69	2007/09/18
70	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	69	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	70	2007/09/18
71	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	70	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	71	2007/09/18
SPARE	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	71	2007/09/18	ISSUED FOR CLIENT REVIEW	JOW	RB	SPARE	2007/09/18



PROJECT NAME										PROJECT NAME																					
MILNE INLET FUEL STORAGE										MILNE INLET FUEL STORAGE																					
																															
SEI INDUSTRIES										SEI INDUSTRIES																					
MILNE INLET FUEL STORAGE										MILNE INLET FUEL STORAGE																					
PIPING DETAILS - BARGE UNLOADING										PIPING DETAILS - BARGE UNLOADING																					
<table border="1"> <tr> <td>DRAWN</td> <td>DATE</td> <td>SCALE</td> </tr> <tr> <td>QMS</td> <td>1 : 20</td> <td></td> </tr> </table>										DRAWN	DATE	SCALE	QMS	1 : 20		<table border="1"> <tr> <td>CHECKED</td> <td>DATE</td> <td>SHEET</td> </tr> <tr> <td></td> <td>APR/04/07</td> <td>1</td> </tr> </table>										CHECKED	DATE	SHEET		APR/04/07	1
DRAWN	DATE	SCALE																													
QMS	1 : 20																														
CHECKED	DATE	SHEET																													
	APR/04/07	1																													
PROJECT NO.										ISSUING NUMBER																					
3630-0100										36300100-P-M-0005																					
APPROVED										REV																					
RWB										1																					

[illegible]

Layfield Environmental Systems Ltd.

**Project Completion QA/QC Package
for**

Raymac Environmental Services Inc.

Baffinland Fuel Farms

Mary River, and Milne Inlet, Nu

Supply and Install of Hazgard 500 and LP 16 Geotextile

Prepared By: Jesse Langmo

Reviewed By: Fred Cross

Date Submitted: November 28, 2007



Layfield Environmental Systems Ltd.

Table of Contents

for

Raymac Environmental Services Inc.

Install of Haz 500 and LP 16 Geotextile

Baffin Island, Nu

Milne Inlet

1) Certificate of Acceptance of Soil Subgrade Surface	1 pg.
2) Certificate of Final Inspection and Acceptance	1 pg.
3) Hazgard 500 As-Built Drawing	1 pg.
4) Geosynthetics Inventory Log	1 pg.
5) Geomembrane Trial Seam Log	1 pg.
6) Geomembrane Seam Log	4 pgs.
7) Geomembrane Vacuum / Air Lance Test Log	2 pgs.
8) Geomembrane Defect/Repair Log	1 pg.
9) Hazgard 500 Shop QC and Mill Certificates	7 pgs.
10) Installation Warranty	2 pgs.

Mary River

1) Certificate of Acceptance of Soil Subgrade Surface	1 pg.
2) Certificate of Final Inspection and Acceptance	1 pg.
3) Hazgard 500 As-Built Drawing	1 pg.
4) Geosynthetics Inventory Log	1 pg.
5) Geomembrane Trial Seam Log	1 pg.
6) Geomembrane Seam Log	4 pgs.
7) Geomembrane Vacuum / Air Lance Test Log	1 pg.
8) Geomembrane Defect/Repair Log	1 pg.



CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Fuel Farm
PROJECT NUMBER: 07C-015
OWNER: Baffinlands
LOCATION: Milne Inlet

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: Area under panels A-1 to A-18, panels
B1 to B4, well compacted surface, some rock.
Used LP-16 as an underlay

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: August 18, 2007
Signature: [Signature]
Name: Allen McKinnon
Title: Project Supervisor

OWNERS REPRESENTATIVE:

Date: Aug 20/07
Signature: [Signature]
Name: Jeff Bush
Title: Mine Manager
Company: Baffinland Iron Mines

CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE

PROJECT NAME: Fuel Farm
PROJECT NUMBER: 87C-015 DATE: August 19, 2007
OWNER: Baffinlands
LOCATION: Milne Inlet

Scope of Installation(s): **THE WORK**

Installed, welded, repaired, tested approx 15,916 m²
of Hazard 500. Installed approx 346,000 sq. ft. of
LP-16 as an underlay & overlay. Installed 1 sump
@ toe.

Part 1 - LAYFIELD ENVIRONMENTAL SYSTEMS LTD.

I, Allan McKinnon, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the installations (as outlined above), and have found the Work to be complete and free of defects and declare that the Work was completed in accordance with the project specifications, Layfield Environmental Systems' QC program and the terms and conditions of the contract.

Layfield Environmental Systems Representative:

Name: Allan McKinnon
Title: Project Supervisor
Date: August 19, 2007 Signature: [Signature]

Part 2 - OWNER (or Representative)

I, Jeff Buoh, a duly appointed representative of Baffinland Iron Mines, do hereby take over and accept the installation(s) described above, and confirm that the work has been completed in accordance with the project specifications and the terms of the conditions of the contract.

I have evaluated and measured the work together with the Layfield Environmental Systems representative, and agree that the measurements shown are both true and correct, and that the installation has met our approval.

Owners Representative:

Name: Jeff Buoh
Title: Mine Manager
Company: Baffinland Iron Mines
Date: Aug 20/07 Signature: [Signature]

Comments: _____

Checklist

1. NORTH ARROW ? _____
2. REPAIR NUMBERS & LOCATIONS ? _____
3. SITE DIMENSIONS ? _____
4. SLOPE LENGTHS ? _____
5. TITLE BLOCKS COMPLETED ? _____
6. CERT. OF SUBGRADE ACCEPTANCE ? _____
7. CERT. OF FINAL ACCEPTANCE ? _____

Notes:

1) SEAM NUMBERS SHOWN ON TESTING LOG SHEETS REPRESENT THE ADJACENT PANEL NUMBERS.

LEGEND

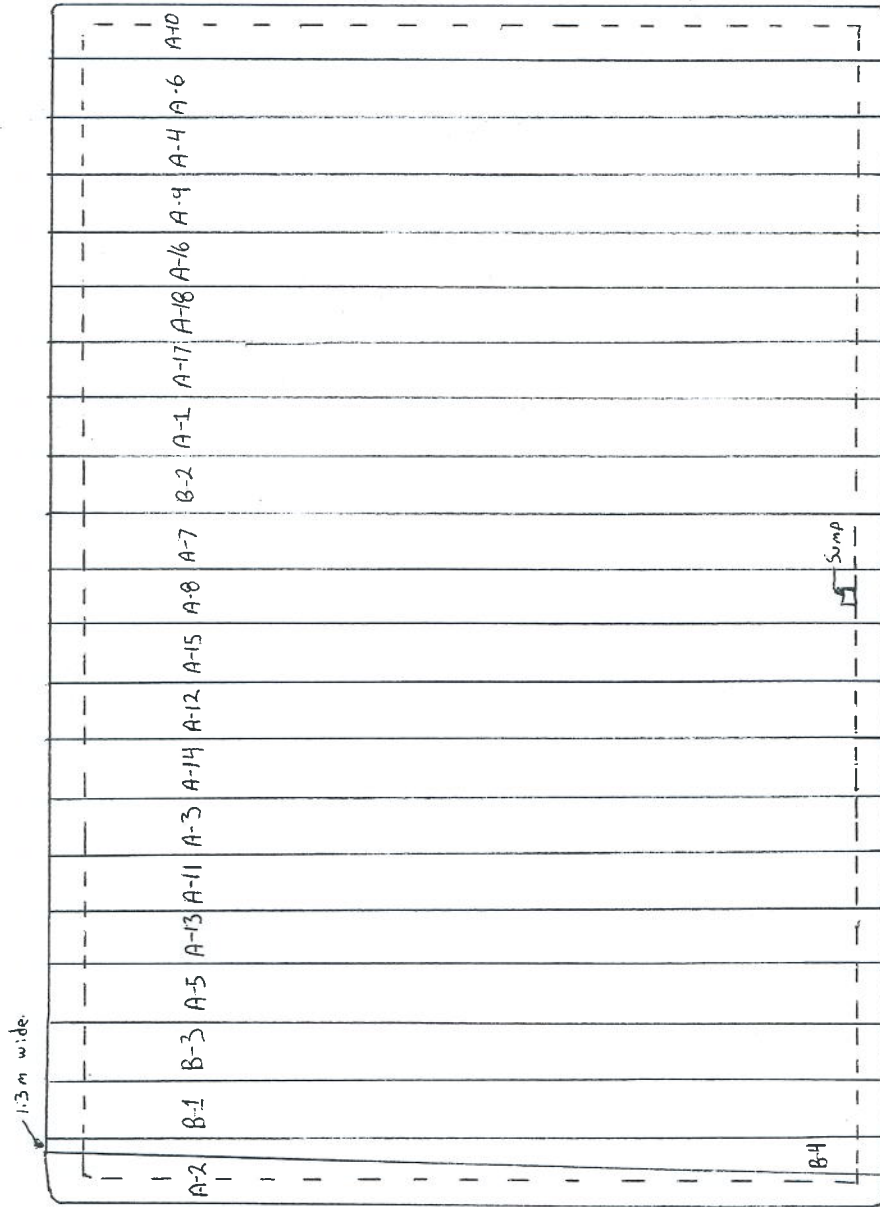
- CHANGE IN GRADE
- LINER FIELD SEAM
- ANCHOR TRENCH
- P3 PANEL NUMBER
- ⊗ PIPE PENETRATION
- R2 REPAIR NUMBER
- △ PATCH
- XXX EXTRUSION BEAD (OR WELD)



PROJECT NAME, CLIENT, LOCATION, MAT'L TYPE, ETC.

Raymac
Baffinlands
Milne Inlet
Fuel Farm
Hazardard 500

SCALE: N.T.S.	PROJECT No.
DWG: 1 OF 1	07C-015
DWN/AM	CHD: APPD.
DATE: Sept. 9, 2007	



Note: All A panels 12.2 m wide
B1 B2 & B3 8.7 m wide



GEOSYNTHETICS INVENTORY LOG

PROJECT NUMBER: 07C-015

PROJECT TITLE: Fuel Farm

OWNER: Boffinlands

CONTRACTOR: _____

LOCATION: Maline Inlet

SHEET NUMBER: 1071

MATERIAL TYPE: GEOMEMBRANE

GEONET GEOTEXTILE OTHER

DATE OF ARRIVAL: _____

DATE OF INVENTORY: August 10, 2007

UNLOADING METHOD:

INVENTORY BY: ASm & A.G.

PRODUCT TYPE: LP162 Hazard 500

CONDITION IN TRUCK:

MATERIAL MANUFACTURER: _____

[illegible]

SUBMITTED BY: Asim

DATE: August 10, 2007



PROJECT NUMBER: 07c-015

OWNER: Boffinlands

LOCATION: Milne Inlet

PROJECT TITLE: Fuel Farm.

CONTRACTOR:

SHEET NUMBER: 1 of 1

TX-# = EXTRUSION

TS-# = SOLVENT

[illegible]

LS FORM 3

LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: A.S.M.
DATE: Sept 1, 2007



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 07C-015

PROJECT TITLE: Fuel Farm

OWNER: Baffinlands

CONTACTOR: _____

LOCATION: Milne Inlet

PASSING TRIAL SEAMS

✓ FUSION

EXTRUSION

SOLVENT

NO.	TIME	TECH ID
TF-1	1605	A.G.

SHEET NUMBER: 1 of 4

DATE: August 14, 2007

SEAM NUMBER	SEAM SECTION * START POINT	FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
A10/A6	NEOS	-SEOS	1915	+8°	A.G.	60%	420°	-	61.87m		AM		Aug. 14	A.M.
A6/A4	NEOS	-SEOS	1845	+8°	A.G.	60%	420°	-	61.26m		AM		Aug. 14	A.M.
A4/A9	NEOS	-SEOS	1720	+9°	A.G.	60%	420°	-	61.57m		AM		Aug. 14	A.M.
A9/A16	NEOS	-SEOS	1655	+9°	A.G.	60%	420°	-	61.25m		AM		Aug. 14	A.M.
A16/A-18	NEOS	-SEOS	1630	+9°	A.G.	60%	420°	-	61.26m		AM		Aug. 14	A.M.
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
DAILY TOTAL									307.21m					

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: A.S.M

DATE: Sept 11, 2007



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 07C-015 PROJECT TITLE: Fuel Farm
OWNER: Baffinlands CONTACTOR: _____
LOCATION: Milne Inlet

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
TF-2	1045	A.G.

SHEET NUMBER: 28f4
DATE: August 15, 2007

✓ FUSION
EXTRUSION
SOLVENT

SEAM NUMBER	SEAM SECTION * START POINT	FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
A15/A8	SEOS	-NEOS	1415	+6°	AG	60%	420°	-	64.9m		AM		Aug. 15	AM
A8/A7	NEOS	SEOS	1350	+6°	AG	60%	420°	-	63.7m		AM		Aug. 15	AM
A7/B2	NEOS	SEOS	1320	+6°	A.G.	60%	420°	-	63m		AM		Aug. 15	AM
B2/A1	NEOS	-SEOS	1251	+6°	AG	60%	420°	-	62.48m		A.M.		Aug. 15	AM
A1/A17	NEOS	-SEOS	1229	+6°	AG	60%	420°	-	61.57m		A.M.		Aug. 15	AM
A17/A18	NEOS	-SEOS	1100	+6°	AG	60%	420°	-	60.66m		AM		Aug. 15	AM
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
DAILY TOTAL									3763m					

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: ASm
DATE: August 16, 2007



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 07C-015 PROJECT TITLE: Fuel Farm
OWNER: Baffinlands CONTACTOR: _____
LOCATION: Milne Inlet

PASSING TRIAL SEAMS

	NO.	TIME		TECH ID
		TIME	TECH ID	
☒ FUSION	TF-3	1215	AG	
☐ EXTRUSION				
☐ SOLVENT				

SHEET NUMBER: 3 of 4
DATE: August 16, 2007

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
A15/A12	SEOS - NEOS	1232	+9°	AG	60%	420°	-	63.1 m		AM		Aug. 16	AM
A12/A14	SEOS - NEOS	1300	+9°	AG	60%	420°	-	62.18 m		AM		Aug. 16	AM
A14/A13	SEOS - NEOS	1325	+9°	AG	60%	420°	-	62.79 m		AM		Aug. 16	AM
A13/A11	SEOS - NEOS	1400	+10°	AG	60%	420°	-	63.4 m		AM		Aug. 16	AM
A11/A13	SEOS - NEOS	1432	+10°	AG	60%	420°	-	63.4 m		AM		Aug. 16	AM
A13/A5	SEOS - NEOS	1535	+10°	AG	60%	420°	-	63.7 m		AM		Aug. 16	AM
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						

DAILY TOTAL 378.57m

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: AM
DATE: Aug. 16, 2007

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 07C-015 PROJECT TITLE: Fuel Farm
OWNER: Baffinlands CONTACTOR: _____
LOCATION: Milne Inlet

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
TF-4	0930	AG

SHEET NUMBER: 40f4
DATE: Aug. 17, 2007

☒ FUSION
☐ EXTRUSION
☐ SOLVENT

SEAM NUMBER	SEAM SECTION * START POINT	FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
A5/B3	SEOS	-NEOS	0940	+8°C	AG	60%	420°	-	63.7m		Am		Aug 17	Am
B3/B1	SEOS	-NEOS	1015	+8°C	AG	60%	420°	-	62.9m		Am		Aug 17	Am
B1/B4	SEOS	-NEOS	1255	+9°C	AG	60%	420°	-	63.9m		Am		Aug 17	Am
B4/A2	SEOS	-NEOS	1045	+8°C	AG	60%	420°	-	63.8m		Am		Aug 17	Am
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
DAILY TOTAL									2543m					

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Sept. 1, 2007
DATE: ASm



LAYFIELD GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 07C-015 PROJECT TITLE: Fuel Farm
OWNER: Baffinlands CONTRACTOR: _____
LOCATION: Midline Inlet DATE: Aug 14-17, 2007

VACUUM BOX _____

AIR LANCE ☒

SHEET NUMBER: 1 of 2

SEAMS										REPAIRS				
SEAM NUMBER	SEAM SECTION *		TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
A10-A6	NEOS	- SEOS	8-14	AM		☒	AM		1A	8-14	AM		AM	
A6-A4	SEOS	- NEOS	8-14	AM		☒	AM		1B	8-14	AM		AM	
A4-A9	NEOS	- SEOS	8-14	AM		☒	AM		1C	8-15	AM		AM	
A9-A16	NEOS	- SEOS	8-14	AM		☒	AM		1D	8-15	AM		AM	
A16-A18	SEOS	- NEOS	8-14	AM		☒	AM		1E	8-15	AG		AM	
A15-A8	NEOS	- SEOS	8-15	AM		☒	AM		1F	8-15	AG		AM	
A8-A7	NEOS	- SEOS	8-15	AM		☒	AM		1G	8-16	AM		AM	
A7-B2	SEOS	- NEOS	8-15	AM		☒	AM		1H	8-16	AM		AM	
B2-A1	NEOS	- SEOS	8-15	AM		☒	AM		1I	8-17	AM		AM	
A1-A17	NEOS	- SEOS	8-15	AM		☒	AM							
A17-A18	SEOS	- NEOS	8-15	AM		☒	AM							
A15-A12	SEOS	- NEOS	8-16	AM		☒	AM							
A12-A14	SEOS	- NEOS	8-16	AM		☒	AM							
A14-A3	SEOS	- NEOS	8-16	AM		☒	AM							
A3-A11	SEOS	- NEOS	8-16	AM		☒	AM							
A11-A13	SEOS	- NEOS	8-16	AM		☒	AM							
A13-A5	SEOS	- NEOS	8-16	AM		☒	AM							
A5-B3	SEOS	- NEOS	8-17	AM		☒	AM							
B3-B1	NEOS	SEOS	8-17	AM		☒	AM							
B1-B4	SEOS	- NEOS	8-17	AM		☒	AM							

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS



LAYFIELD

PROJECT NUMBER: 07C-015

PROJECT TITLE: Fuel Form

OWNER: Baffinlands

CONTRACTOR:

LOCATION: Milne Inlet

DATE: August 17, 2007

VACUUM BOX

AIR LANCE ✓

SHEET NUMBER: 20 of 2

[illegible]

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT LOCATION ON THE SEAM

*** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: ASm
DATE: Aug. 18, 2007

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT TITLE: Fuel Farm

CONTRACTOR: _____

SHEET NUMBER: 1 of 1

[illegible]

PASSING TRIAL SEAMS			TECH ID.
NO.	TIME		

DS-# / - DESTRUCTIVE TEST NUMBER	MD - MANUFACTURER/DELIVERY DAMAGE	OTHER:
REPAIR TYPE: P - PATCH C - CAP RS - RECONSTRUCTED SEAM G&W - GRIND/WELD		

SUBMITTED BY: ASm
DATE: Sept. 9, 2007

LAYFIELD ENVIRONMENTAL SYSTEMS

TRACEABILITY REQUIRED



QC SHOP

Job Desc.	Baffinland Mary River Panel B r		
Customer:	Raymac Environmental		
Sales Person:	frc	Date:	8-Aug-07
Material Type:	HAZGARD 500 Red 71"		
Prod Code:	0		
Fab Code:	03LMHZ50		
Length	126.3	Width	60.4

[illegible]

Roll Tag #	#	Piece #	Liner# / Panels	Quantity	Repairs
5251691	V59483	11	1-1+50'	1+50'	spliced panel #2, seam/liner #1 37' from start
5251690	V59483	10	1-- +76 + 4	76	half panel spliced 26' from start liner #2
5251689	V59483	9	1 - 4 * 100 b h f panel		splice panel #5 liner #2 26' from start
10508	V59483	#4	1 - 26' of 1/2 panel		
5251689	V59483	#9	2 - 100' of 1/2 panel		Panel 10 spliced at 60ft.
5251689	V59483	#4	2 - 26' of 1/2 panel		
5251689	V59483	#4	2 - 4 + 26'		
5251689	V59483	#3	2 - 100' +		
5466692	Z85315	#2	60'		Mach: PFS Speed: 160 Temp: 850 Splice:

[illegible]

Inspections	#1	#2	#3	Final
	100%	100%	100%	100%

Donna Alexander	#2	6-10-07
Aug 9.07		Aug 11/07



Certification Results: Containment Laminate



Head Office: 52 Middleton St. Cambridge, Ontario, N1R 5T6 phone 519 623 1630 fax 519 740 2977

SPEC 10508
LOT# V59483 - E22443 Edm (H2 500)
ROLLS 1-26
Date: April 25/07

Property	Result	Test Method
Thickness (mils)	40.5	ASTM D5199
Tensile (lbs.)	222 x 200	ASTM D751
Tear Resistance (lbs.)	95.7 x 73.4	ASTM D751
Low Temperature (-30°C)	Passed	ASTM D2136
Dim. Stability (%)	0.5 x 0.0	ASTM 1204 (100°C 15 Min.)
Volatile Loss (%)	Pass	ASTM 1203 A

PASS
J.K.



Certification Results: Containment Laminate



Head Office: 52 Middleton St. Cambridge, Ontario, N1R 5T6 phone 519 623 1630 fax 519 740 2977

SPEC 10508
LOT# V59483
ROLLS 27-45
Date: April 25/07

Property	Result	Test Method
Thickness (mils)	40.5	ASTM D5199
Tensile (lbs.)	245 x 213	ASTM D751
Tear Resistance (lbs.)	94.4 x 91.6	ASTM D751
Low Temperature (-30°C)	Passed	ASTM D2136
Dim. Stability (%)	0.5 x 0.0	ASTM 1204 (100°C 15 Min.)
Volatile Loss (%)	Pass	ASTM 1203 A



Certification Results: Containment Laminate



Head Office: 52 Middleton St. Cambridge, Ontario, N1R 5T6 phone 519 623 1630 fax 519 740 2977

SPEC 10508
LOT# V59483
ROLLS 46LR
Date: April 25/07

Property	Result	Test Method
Thickness (mils)	40	ASTM D5199
Tensile (lbs.)	239 x 212	ASTM D751
Tear Resistance (lbs.)	78.1 x 60.0	ASTM D751
Low Temperature (-30°C)	Passed	ASTM D2136
Dim. Stability (%)	0.5 x 0.0	ASTM 1204 (100°C 15 Min.)
Volatile Loss (%)	Pass	ASTM 1203 A



Certification Results: Containment Laminate



Head Office: 52 Middleton St. Cambridge, Ontario, N1R 5T6 phone 519 623 1630 fax 519 740 2977

SPEC 10508
LOT# Y98375 - E22442 (H7500)
ROLLS 1-26
Date: April 10/06

Property	Result	Test Method
Thickness (mils)	41.5	ASTM D5199
Tensile (lbs.)	233 x 219	ASTM D751
Tear Resistance (lbs.)	78.5 x 62.1	ASTM D751
Low Temperature (-30°C)	Passed	ASTM D2136
Dim. Stability (%)	0.5 x 0.0	ASTM 1204 (100°C 15 Min.)
Volatile Loss (%)	Pass	ASTM 1203 A

PASSE
I.K.



Certification Results: Containment Laminate



Head Office: 52 Middleton St. Cambridge, Ontario, N1R 5T6 phone 519 623 1630 fax 519 740 2977

SPEC 10508
LOT# Y98375
ROLLS 27-48
Date: April 10/06

Property	Result	Test Method
Thickness (mils)	40	ASTM D5199
Tensile (lbs.)	250 x 226	ASTM D751
Tear Resistance (lbs.)	79.8 x 55.9	ASTM D751
Low Temperature (-30°C)	Passed	ASTM D2136
Dim. Stability (%)	0.8 x 0.0	ASTM 1204 (100°C 15 Min.)
Volatile Loss (%)	Pass	ASTM 1203 A



Certification Results: Containment Laminate



Head Office: 52 Middleton St. Cambridge, Ontario, N1R 5T6 phone 519 623 1630 fax 519 740 2977

SPEC 10508
LOT# Y98375
ROLLS 49LR
Date: April 10/06

Property	Result	Test Method
Thickness (mils)	40.1	ASTM D5199
Tensile (lbs.)	247 x 212	ASTM D751
Tear Resistance (lbs.)	78.7 x 58.2	ASTM D751
Low Temperature (-30°C)	Passed	ASTM D2136
Dim. Stability (%)	0.5 x 0.0	ASTM 1204 (100°C 15 Min.)
Volatile Loss (%)	Pass	ASTM 1203 A



LAYFIELD ENVIRONMENTAL SYSTEMS LTD.
11603 – 180 Street Edmonton, Alberta T5S 2H6 Canada

Phone: (780) 453-6731
Fax: (780) 452-9495
Toll Free: 1 800 840-2884

Web: www.layfieldgroup.com
E-Mail: edm@layfieldgroup.com

INSTALLATION WARRANTY

Customer Reference No. PO# 201738
Layfield Reference No. : 07C-015

LAYFIELD ENVIRONMENTAL SYSTEMS LTD. (LAYFIELD) hereby warrants to Baffinland Iron Mines Corp.; (the Customer) that the work performed by LAYFIELD on the Installation described as Milne Inlet, Mary River Fuel Farms – Hazgard 500 will:

1. Meet the field seam specifications set out in the contract between LAYFIELD and the Customer (as amended by LAYFIELD's quotation), all workmanship to meet the requirements of LAYFIELD's Field Installation Quality Assurance program, and be free of defects at the time of completion of the Installation; and
2. Be free of installation defects from the date of the completion of the Installation (as identified on the Layfield Certificate of Final Inspection and Acceptance), for a period of 1 year so long as the completed Installation is used for the purposes and in the manner for which the Installation was designed.

Should damage or defects within the scope of the aforesaid warranties occur, LAYFIELD shall repair the damage or defects, PROVIDED THAT the area to be repaired must first be made ready by the Customer and be in a clean, dry, unencumbered condition, free from all water, soil, sludge, residuals, and liquids of any kind.

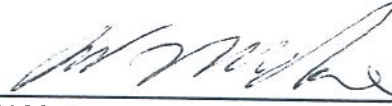
To enable LAYFIELD to investigate and determine the cause of any alleged damage or defect, notice and details of any claim hereunder must be presented in writing to LAYFIELD within thirty (30) days after the alleged damage or defect was first noticed or observed. Failure to provide such notice and details shall invalidate all warranties provided hereunder.

The liability of LAYFIELD under the aforesaid warranties are subject to the following conditions:

- a. LAYFIELD's only obligation shall be to repair or replace any defective workmanship and in no event shall LAYFIELD be liable for any amount in excess of the cost of the Installation;
- b. No allowance will be made for repairs, replacements or alterations made by the Customer unless with the prior written consent of LAYFIELD;
- c. The warranties hereunder extend only to the Customer and are not transferable;
- d. The warranties hereunder shall not apply to any damage or defects resulting from misuse, mechanical abuse by machinery, equipment or persons, excessive pressures or stresses, exposure of the completed Installation of harmful chemicals, unusual weather conditions, casualty catastrophe such as (but not limited to) earthquake, flood, hail, tornado, or any other act of God;

- e. Under no circumstances shall LAYFIELD be liable for any special, direct, indirect, or consequential damages including the loss of use of the Installation howsoever caused;
- f. All liner materials provided for the Installation are covered by a separate warranty provided by Canadian General-Tower Limited , and LAYFIELD shall not be liable for material failure claims hereunder;
- g. The warranties hereunder are given in lieu of all other warranties, express, implied, statutory, or otherwise, and the Customer expressly waives all other warranties and claims whatsoever except those specifically given herein, and the Customer acknowledges that the warranties hereunder are accepted in preference to and to the exclusion of any or all other warranties; and
- h. An Installation Warranty will not be provided for lining projects unless the installation is completed by LAYFIELD personnel or designated LAYFIELD subcontractors.

LAYFIELD ENVIRONMENTAL SYSTEMS LTD.



Al McRae, Director or Construction Operations