Agnico Eagle

Hope Bay Madrid East Naartok Pad

6209-400-132-REP-001_R0

CONSTRUCTION SUMMARY REPORT

CIMA+ file number: CA000820D
16-May-2025 – Review 0

Agnico Eagle

Hope Bay Madrid East Naartok Pad

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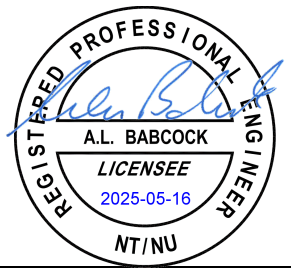
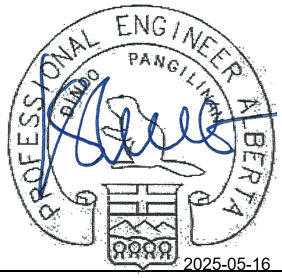
CONSTRUCTION SUMMARY REPORT

Prepared by:

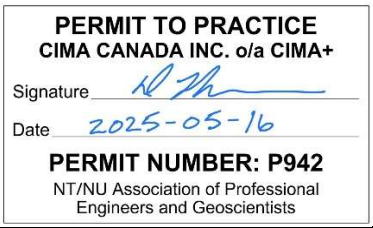


Arlen Babcock, P. Eng.



Dindo Pangilinan, P. Eng.

Verified by:



Dave Thompson, P. Eng.

300, 6815 – 8 Street NE, Calgary, AB T2E 7H7 CANADA T 403 775-0100 F 403-775-0102

CIMA+ file number: CA000820D
16-May-2025 – Review 0

Table of involved resources

In addition to the signatories of this report, the following individuals have also been involved in the study and writing of the report as technical experts within the project team:

Name	Engineering License Number	Discipline
Matthew Harding (P.L.Eng.)	EGBC 56647	Civil

Revision History			
Revision No.	Reviewed by	Date	Description
A	Arlen Babcock	2025-03-10	Issue for Review
0	Dindo Pangilinan	2025-05-16	Issue for Final

Confidentiality and ownership

Table of Contents

List of Photos

List of Appendices

1. Introduction

Agnico Eagle Mines Limited (Agnico Eagle) acquired the Hope Bay property in Nunavut in February 2021. The site encompasses an 80-kilometer-long greenstone belt hosting three primary gold deposits: Doris, Madrid, and Boston. Subsequent to further exploration efforts Agnico Eagle is moving forward with the development of a mine shaft identified as Madrid East Naartok.

1.1 Project Overview

As part of the initial pit development, the Naartok Pad was partially constructed with run-of quarry (ROQ) material. The ultimate pad design was then initiated with the intended inclusion of operation offices, maintenance dome, fuel storage / equipment refueling facilities and separation of contact and non-contact surface drainage in the area.

CIMA+ previously prepared the Design Report (Doc. #: 6205-400-132-REP-001_R0) for the Naartok Pad, Berm, Non-Contact Culvert and Fuel Storage facilities that was submitted by Agnico Eagle in the fall of 2022 to the Nunuvut Water Board facilitating construction of the earthworks for the pad, separation of contact and non-contact surface water drainage and the fuel storage containment.

Construction of the Naartok Pad occurred during the 2024 construction season between the end of June and mid-November.

1.2 Purpose of the Report

This report is prepared on behalf of Agnico Eagle to consolidate documentation of the construction process and final site conditions for this facility. Please note that CIMA+ did not participate in the review of construction activities nor the documentation of as-built information and is relying on information provided by Agnico Eagle and their sub-contractors. As such, CIMA+ does not accept any responsibility for the accuracy of the information presented.

As specified under NWB Amended Water Licence 2AM-DOH1335, this report includes the following documentation:

- As-built plans and drawings;
- Documentation of field decisions that deviate from the original plans;
- And supporting data including:
  - Construction photographs;
  - Construction monitoring reports; and
  - Field survey information.

2. Construction Summary

Four components were constructed as part of this project:

- Madrid East Naartok pad
- Non-contact berm
- Non-contact culvert
- Fuel storage secondary containment

2.1 Activities

2.1.1 Madrid East Naartok Pad – Maintenance Dome

The construction of the main Naartok pad consisted of placement of compacted ROQ material (0-600 mm) to a minimum cover of 2.0 m in non-outcrop areas to protect potential permafrost areas. Terrafix Environmental Technology supplied and installed HDPE 60 mil membrane liner under the area to be used for the maintenance shop over an area of approximately 550 m^2 protected above and below by non-woven geotextile, and granular protection (20 mm crushed) material. As-built drawings are shown in Appendix A, and HDPE liner installation Quality Control Data is shown in Appendix C.

Photo 1 Maintenance Dome HDPE Liner Installation

Photo 2 Maintenance Dome Geotextile Liner Protection

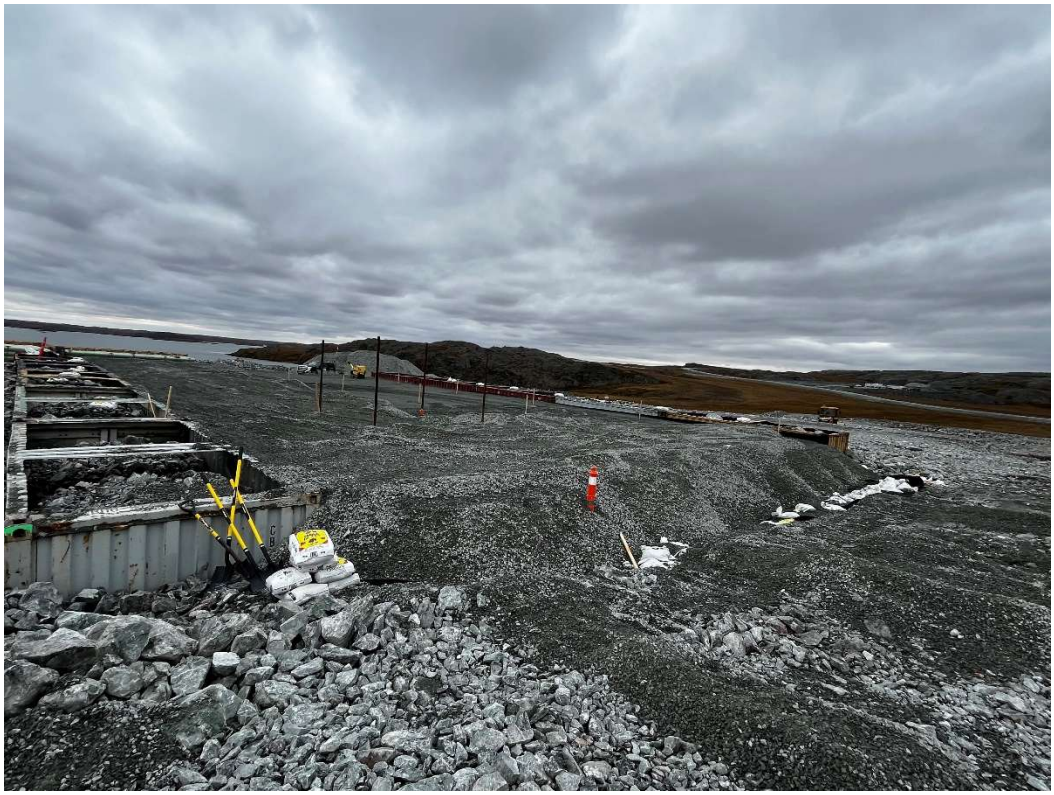


Photo 3 Maintenance Dome Completed Protection

2.1.2 Non-contact Berm

The construction of the non-contact berm consisted of placement of compacted ROQ material (0-600 mm) along the westerly boundary of the Naartok pad. Terrafix Environmental Technology supplied and installed approximately 2120m^2 of HDPE 60 mil membrane liner placed within the berm and protected above and below by non-woven geotextile, and granular protection material (20 mm crushed) to ensure non-contact water was confined and directed to its natural drainage system. As-built drawings are shown in Appendix A, and HDPE liner installation Quality Control Data is shown in Appendix C.

One deviation from the original design drawings were implemented during construction.

1. The HDPE liner indicated for placement beneath the ROQ at the toe of the berm was deleted based on clarifications from Terrafix indicating this section is not necessary for the objective of contact/non-contact water separation.

Photo 4 Non-Contact Berm Preparation

Photo 5 Non-Contact Berm Liner Installation

Photo 6 Non-Contact Berm Completed Protection

Construction of the Maintenance Dome and Non-contact Berm occurred between June 20 and August 26, 2024, as indicated below:

20 June 2024 – 15 August 2024: Pad Preparation and Under liner Material Placement

15 August 2024 – 20 August 2024: Geomembrane System Installation

18 August 2024 – 26 August 2024: Over liner Material Placement

2.1.3 Non-contact Culverts

The construction of the non-contact culvert system consisted of placement of 3-750mm corrugated metal pipe culverts through the access road at the abutment of the non-contact berm. This allows for the conveyance of non-contact water directed to its natural drainage system deflected by the non-contact berm.

Construction of the Non-contact Culverts occurred between September 27 and September 30, 2024, as indicated below:

27 September 2024: Culvert placement

27 September 2024 – 30 September: Over culvert Material Placement

Photo 7 Non-contact Culvert Installation

Photo 8 Non-contact Culvert Completion

2.1.4 Fuel Storage Secondary Containment

The construction of the fuel storage secondary containment facility, including the off-loading and re-fueling area, consisted of placement of ROQ material (0-600 mm) placed in the required configuration to create the footprint of the structure. A layer of transitional material (0-75 mm) was then applied to the area to accommodate the approximately 1900 m^2 of HDPE 60 mil membrane liner. It was placed throughout the facility protected above and below by non-woven geotextile, and granular protection material (20 mm crushed). Surface grading of the completed facility was completed to ensure containment of surface run-off. As-built drawings are shown in Appendix A, Daily Reports are shown in Appendix B, and HDPE liner installation Quality Control Data is shown in Appendix C.

One deviation from the original design drawings was implemented during construction.

1. The HDPE liner key-in trench design was modified to work with granular material. The vertical liner key is not functionally constructable with the granular material being used for construction. A tapered key with adequate backfill was used to anchor the liner similar to the detail for the Non-contact Berm liner installation.

Construction of the Fuels Storage Secondary Containment occurred between June 20 and November 15, 2024, as indicated below:

20 June 2024 – 26 September 2024: Pad Preparation and Under liner Material Placement

26 September 2024 – 8 October 2024: Geomembrane System Installation

6 October 2024 – 15 November 2024: Over liner Material Placement

Photo 9 Fuel Storage Secondary Containment Preparation

Photo 10 Fuel Storage Secondary Containment Liner Installation

Photo 11 Fuel Storage Secondary Containment Completion

Photo 12 Fuel Storage Secondary Containment Tank Placement

3. Construction Monitoring and Surveys

3.1 Construction Team

The construction was completed by a team of resources that included:

- Construction Management and Quality Assurance by Agnico Eagle Construction
- HDPE liner supply, installation and QC by Terrafix Environmental Technology Inc.
- Civil construction by Nuna Group
- Survey by Hamel Arpentage

3.2 Construction Equipment

The site grading construction of the various components of the project were completed with heavy equipment including tracked excavator, bull dozer, rock trucks, and 10 T vibratory smooth drum compactor. All specialized liner welding and installation equipment was provided by Terrafix Environmental Technology Inc.

3.3 Erosion and Sedimentation Control

Appropriate measures were implemented when necessary to manage ESC risks during construction.

3.4 Construction Monitoring

Construction monitoring was conducted in accordance with the Design Report including topographic survey validation of materials placement (demonstrated in Appendix A) and daily reports for the Fuel Storage Secondary Containment construction available in Appendix B.

All HDPE liner installations were conducted by Terrafix Environmental Technology including quality control. Their report is available in Appendix C.

4. Summary

4.1 Construction Design Validation

Based on the information provided by Agnico Eagle and Terrafix Environmental Technology, the intent of contemplated design in the Design Report (Doc. #: 6205-400-132-REP-001_R0) prepared by CIMA+ has been met. The liner materials supplied and installed by Terrafix meet the required standards for the intended purpose. The grading, materials, and final elevations of the site grading and containment and separation berms fall within an acceptable tolerance of the original design.

A

Appendix A As-Built Drawings

NO. DESSIN
DRAWING NO. 62-MNE-400-210-000-002

FORMAT ARCHD

SCEAUX / PERMIS
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REGISTERED PROFESSIONAL ENGINEER
A.L. BABCOCK
LICENSEE
2025-05-16
NT/NU

PERMIT TO PRACTICE
CIMA CANADA INC. o/a CIMA+
Signature
Date 2025-05-16
PERMIT NUMBER: P942
NT/NU Association of Professional Engineers and Geoscientists

NOTES GÉNÉRALES / GENERAL NOTES

No.	Revision Description	Date	By
1	FUEL PAD, TANK, AND BUILDINGS RELOCATED NORTH APPROX. 5m	10-MAY-2024	MDH

TEL QUE CONSTRUIT
AS-BUILT
AGNICO EAGLE
DATE : 2025-5-16

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
2	2025-05-16	ISSUED FOR AS-BUILT	MDH	ALB	AE
1	2024-05-21	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
0	2022-12-08	ISSUED FOR CONSTRUCTION	MDH	ALB	AE

REVISIONS

CIMA+

TITRE / TITLE

AGNICO EAGLE
HOPE BAY NAARTOK PAD
400 GENERAL SITE
210 GENERAL ARRANGEMENT
SITE PLAN

DESSINÉ PAR / DRAWN BY	M. HARDING P.Leng	DATE 2022-08-23
VÉRIFIÉ PAR / CHECKED BY	D. PANGILINAN P.eng	2022-08-03
APPROUVÉ PAR / APPROVED BY	A. BABCOCK P.eng	2022-08-03
ÉCHELLE / SCALE	1:1000	DATE 2022-08-03

NO. DESSIN / DRAWING NO.
62-MNE-400-210-000-002

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6209	2	1 / 1

AE-CART-ARCH D

FILE NO. 62-MNE-400-210-000-002.dwg

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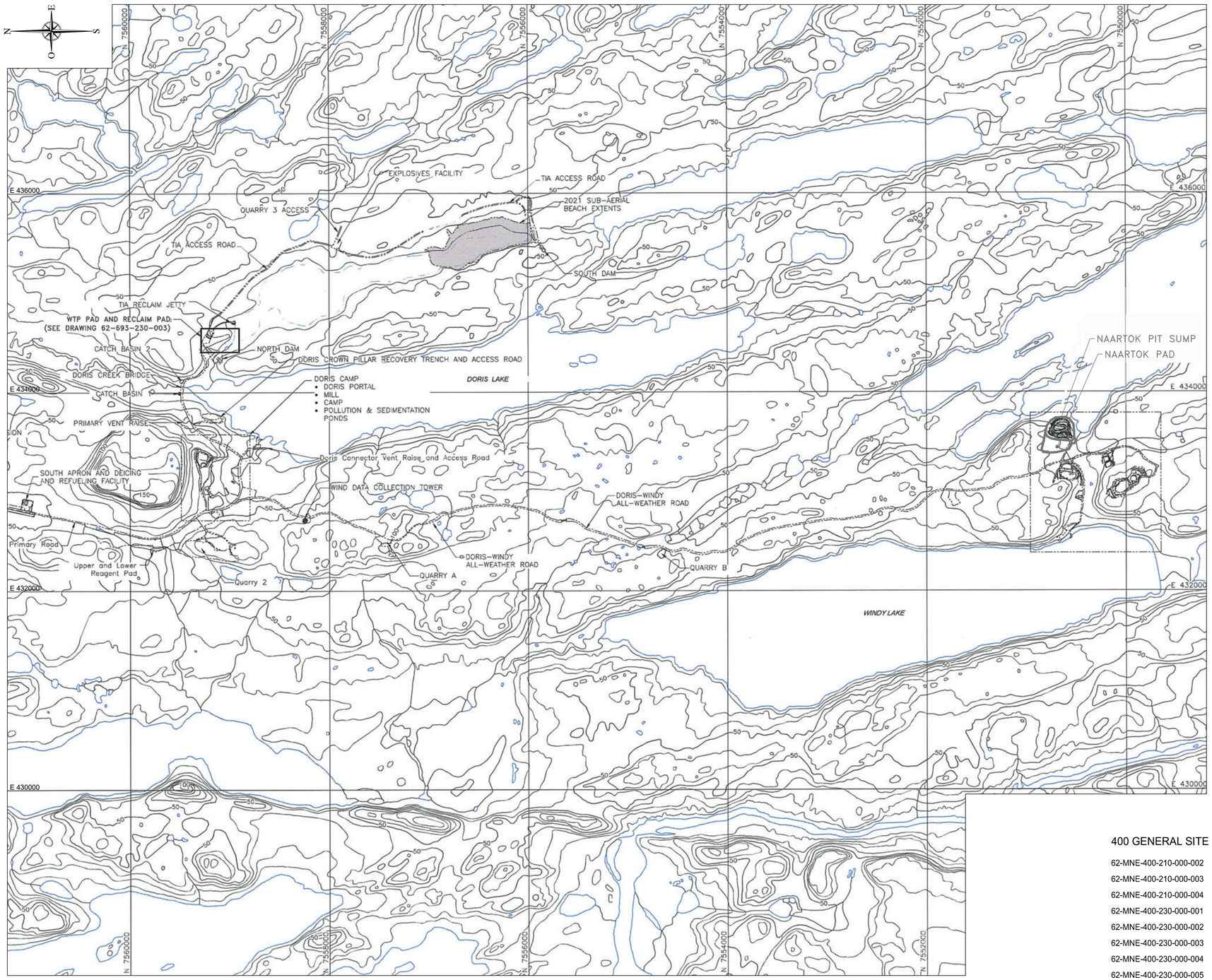

LOCATION PLAN
SCALE: 1 : 20 000

400 GENERAL SITE SHEET LIST

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REGISTERED PROFESSIONAL ENGINEER
A.L. BABCOCK
LICENSEE
2025-05-16
NT/NU

PERMIT TO PRACTICE
CIMA CANADA INC. o/a CIMA+
Signature
Date 2025-05-16
PERMIT NUMBER: P942
NT/NU Association of Professional Engineers and Geoscientists

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TEL QUE CONSTRUIT
AS-BUILT
DATE : 2025-5-16
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0	2022-12-08	ISSUED FOR CONSTRUCTION	MDH	ALB	AE

REVISIONS

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TITRE / TITLE
AGNICO EAGLE
HOPE BAY NAARTOK PAD
400 GENERAL SITE
210 GENERAL ARRANGEMENT
LOCATION PLAN
& SHEET LIST

DESSINÉ PAR DRAWN BY	M. HARDING P.Eng	DATE 2022-08-23
VERIFIÉ PAR CHECKED BY	D. PANGILINAN P.eng	2022-08-03
APPROUVÉ PAR APPROVED BY	A. BABCOCK P.eng	2022-08-03
ÉCHELLE SCALE	AS SHOWN	DATE 2022-08-03

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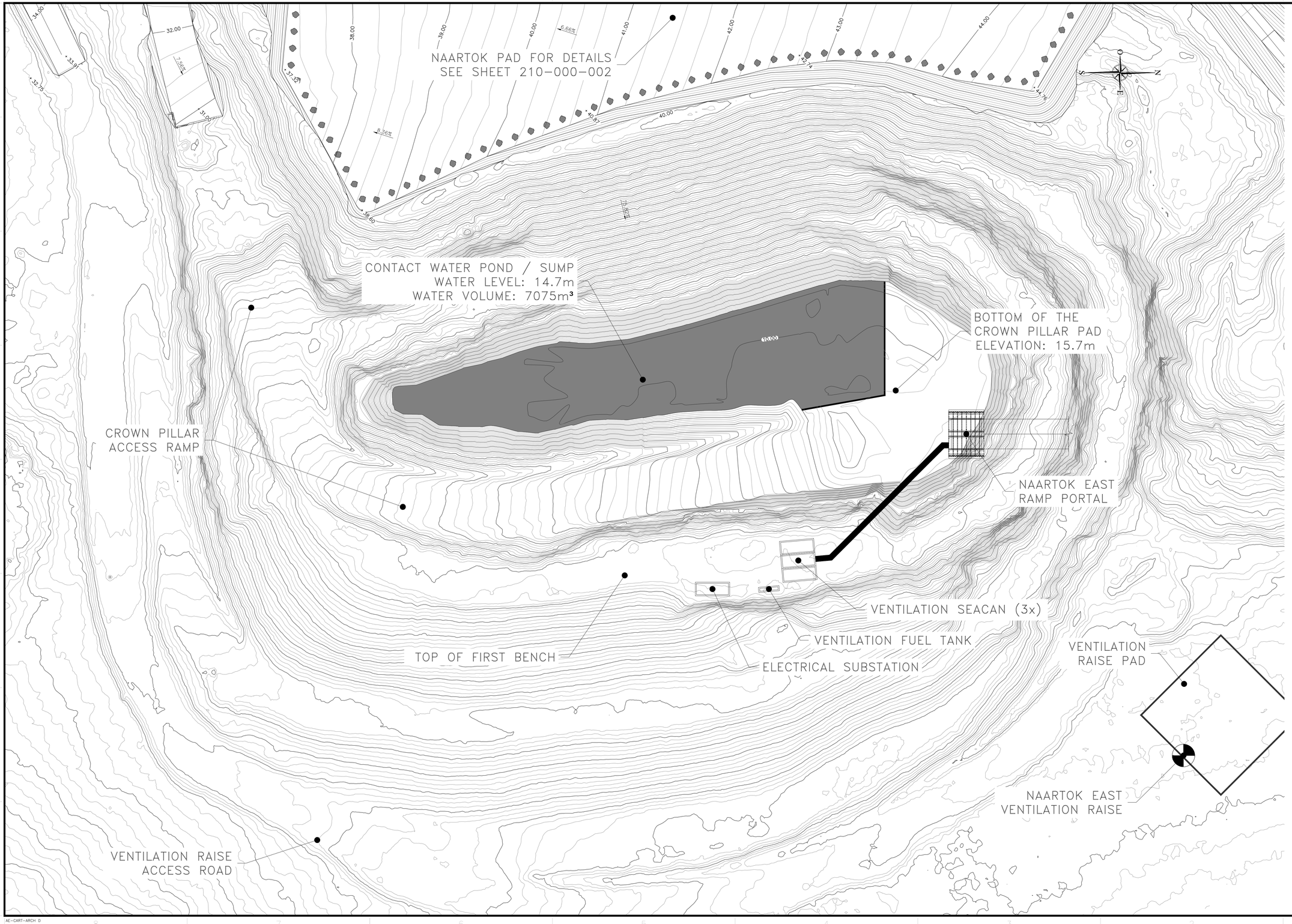

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A.L. BABCOCK
LICENSEE
2025-05-16
NT/NU

PERMIT TO PRACTICE
CIMA CANADA INC. o/a CIMA+
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REVISIONS

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TITRE / TITLE

AGNICO EAGLE
HOPE BAY NAARTOK PAD
400 GENERAL SITE
210 GENERAL ARRANGEMENT
NAARTOK PIT

DESSINÉ PAR / DRAWN BY	M. HARDING P.Eng	DATE 2022-08-23
VÉRIFIÉ PAR / CHECKED BY	D. PANGILINAN P.eng	2022-08-03
APPROUVÉ PAR / APPROVED BY	A. BABCOCK P.eng	2022-08-03
ÉCHELLE / SCALE	1:300	DATE 2022-08-03

NO. DESSIN / DRAWING NO.
62-MNE-400-210-000-004

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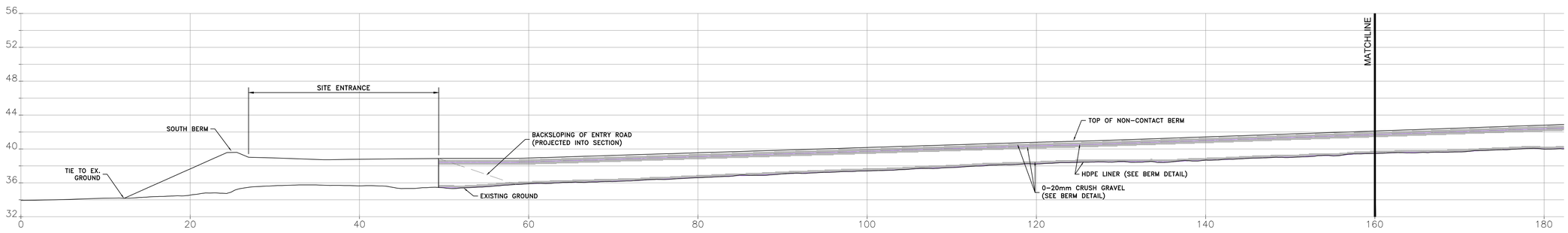
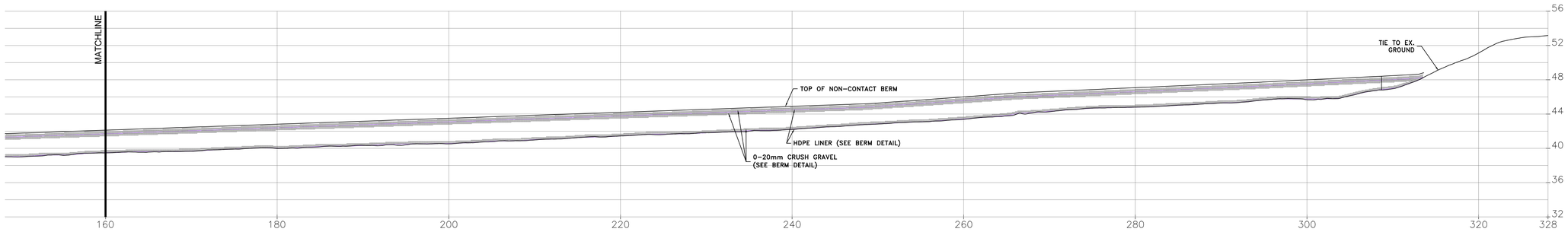


SECTION A - S to N Along Non-Contact Berm



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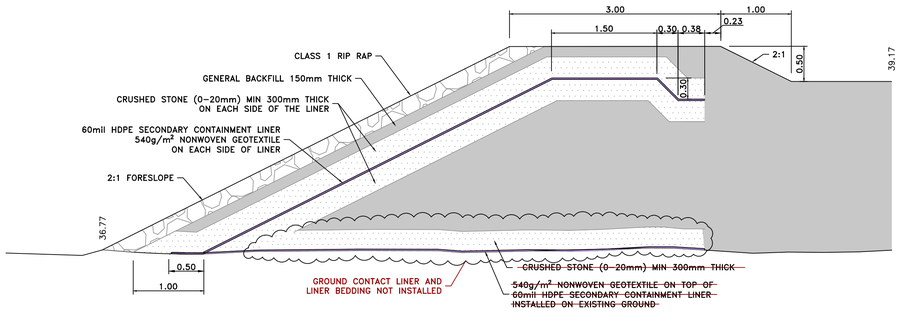

BERM DETAIL - LINER COMPOSITION

SCEAUX/PERMIS
STAMP/PERMIT

REGISTERED PROFESSIONAL ENGINEER
A.L. BABCOCK
LICENSEE
2025-05-16
NT/NU

PERMIT TO PRACTICE
CIMA CANADA INC. o/a CIMA+
Signature
Date 2025-05-16
PERMIT NUMBER: P942
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0	2022-09-02	ISSUED FOR CONSTRUCTION	MDH	ALB	AE

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TITRE / TITLE

AGNICO EAGLE
HOPE BAY NAARTOK PAD
400 GENERAL SITE
230 GENERAL EARTHWORKS
NON-CONTACT BERM

DESSINÉ PAR / DRAWN BY	M. HARDING PL.eng	DATE 2022-08-23
VERIFIÉ PAR / CHECKED BY	D. PANGILINAN P.eng	2022-08-03
APPROUVÉ PAR / APPROVED BY	A. BABCOCK P.eng	2022-08-03
ÉCHELLE / SCALE	1:1000	DATE 2022-08-03

NO. DESSIN / DRAWING NO.
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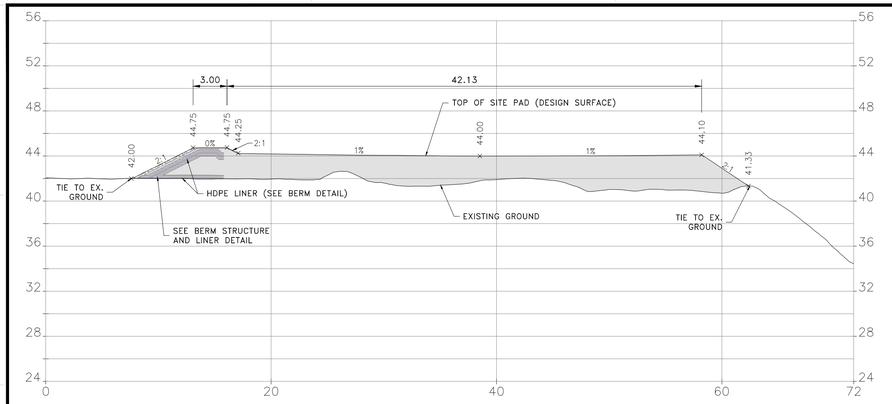

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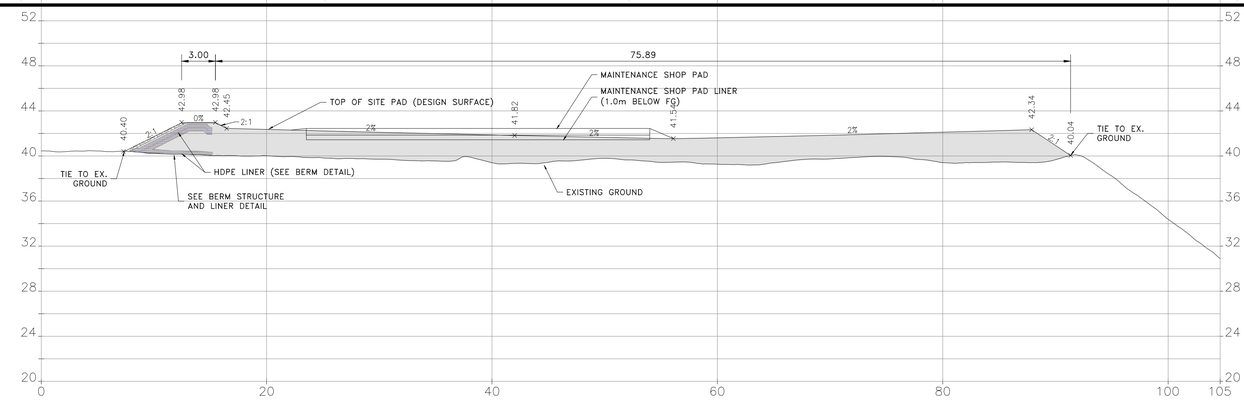

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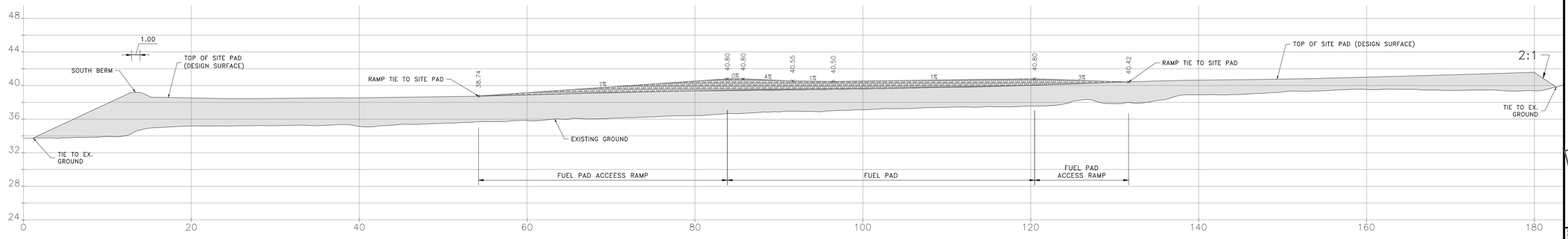

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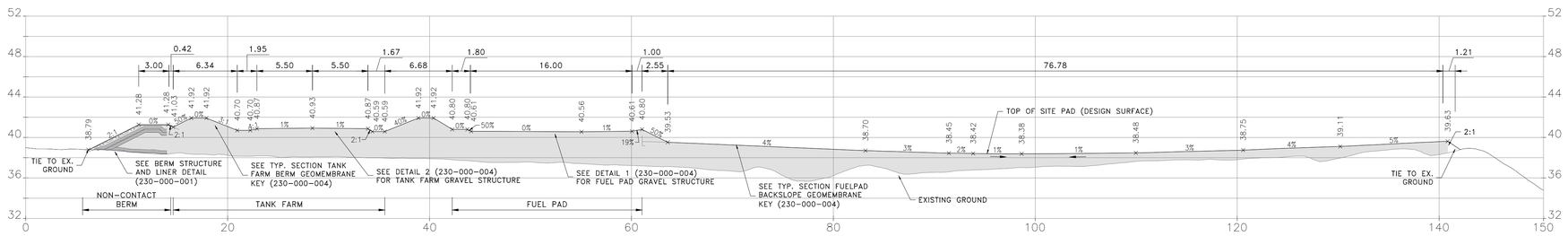

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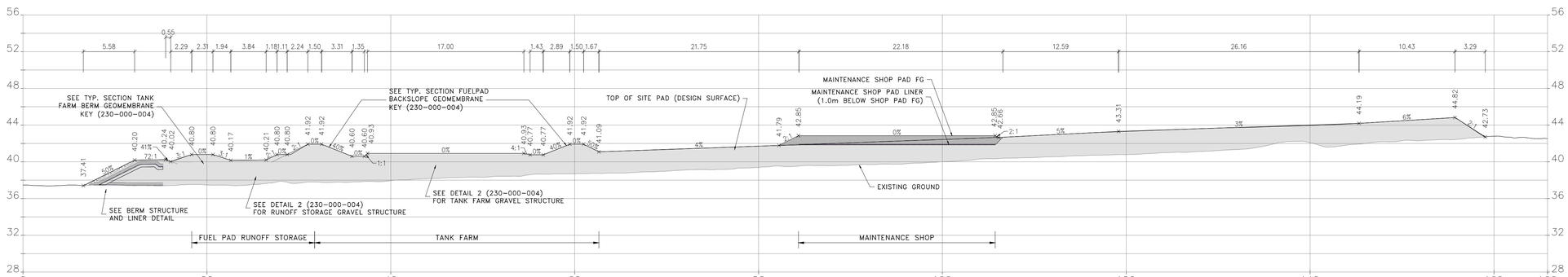

SECTION F - S to N Through Tank Farm

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REGISTERED PROFESSIONAL ENGINEER
A.L. BABCOCK
LICENSEE
2025-05-16
NT/NU

PERMIT TO PRACTICE
CIMA CANADA INC. o/a CIMA+
Signature
Date 2025-05-16
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AS-BUILT
DATE : 2025-5-16
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0	2022-09-02	ISSUED FOR CONSTRUCTION	MDH	ALB	AE

REVISIONS

CIMA+

TITRE / TITLE
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HOPE BAY NAARTOK PAD
400 GENERAL SITE
230 GENERAL EARTHWORKS
SITE SECTIONS – NORTH

DESSINÉ PAR / DRAWN BY	M. HARDING P.Eng	DATE 2022-08-23
VÉRIFIÉ PAR / CHECKED BY	D. PANGILINAN P.eng	2022-08-03
APPROUVÉ PAR / APPROVED BY	A. BABCOCK P.eng	2022-08-03
ÉCHELLE / SCALE	1:1000	DATE 2022-08-03

NO. DESSIN / DRAWING NO. 62-MNE-400-230-000-002

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6209	3	1 / 1

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FILE NO. 62-MNE-400-230-000-002.dwg

NO. DESSIN
DRAWING NO. 62-MNE-400-230-000-003

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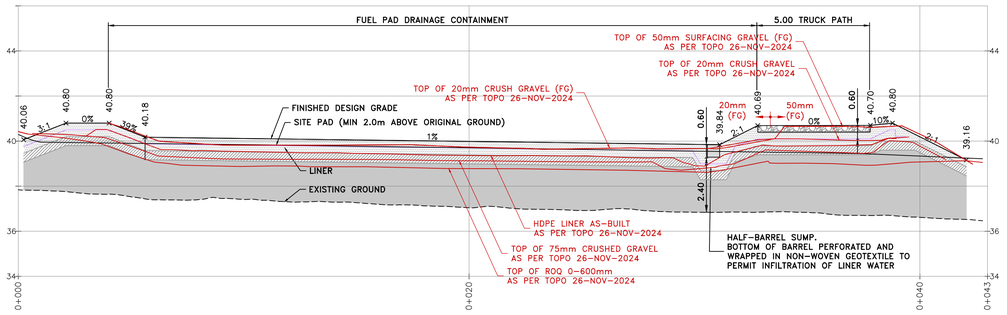

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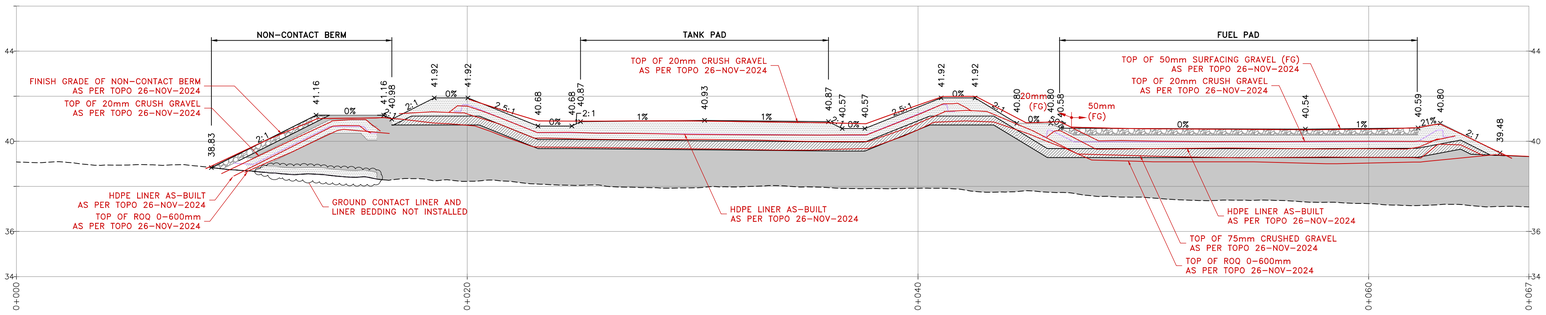

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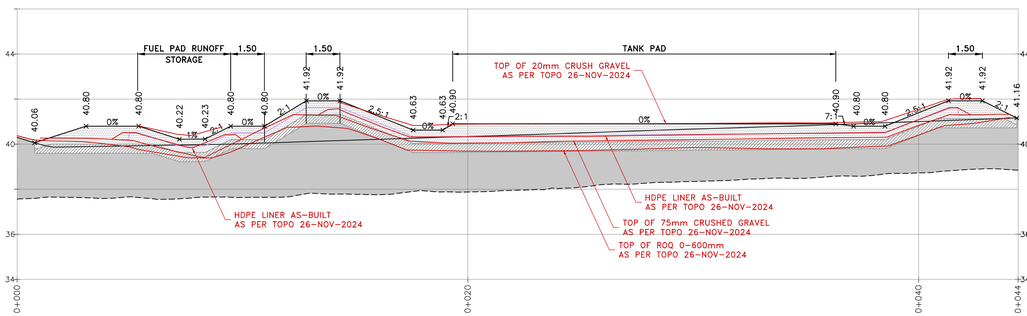

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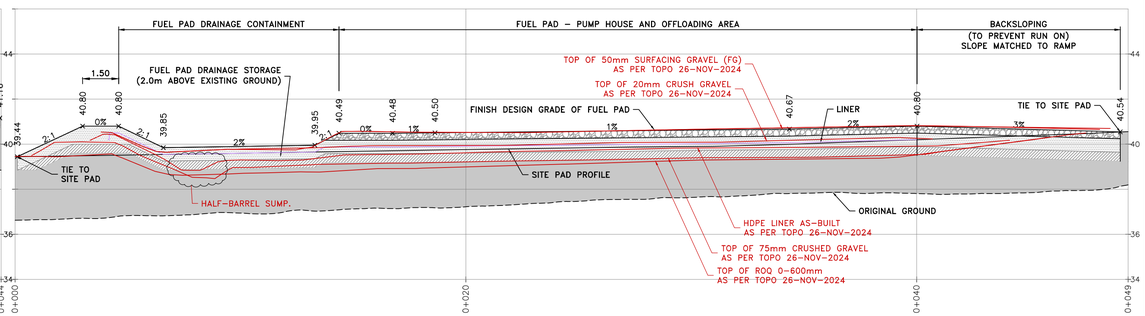

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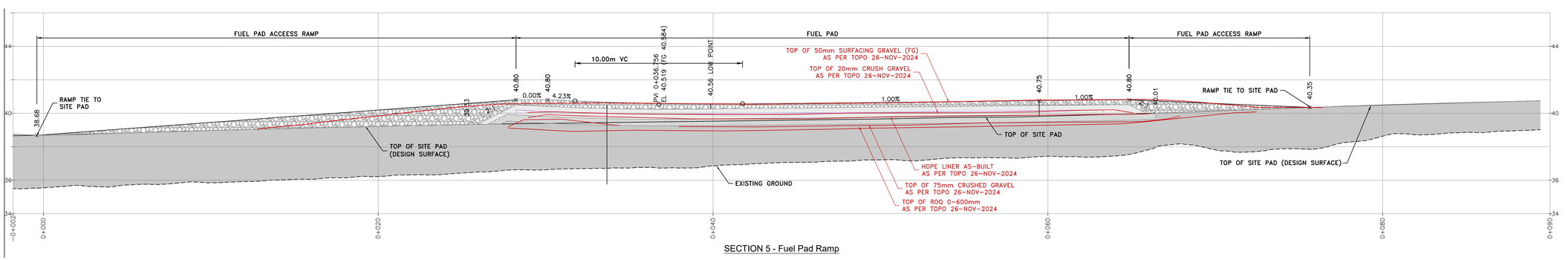
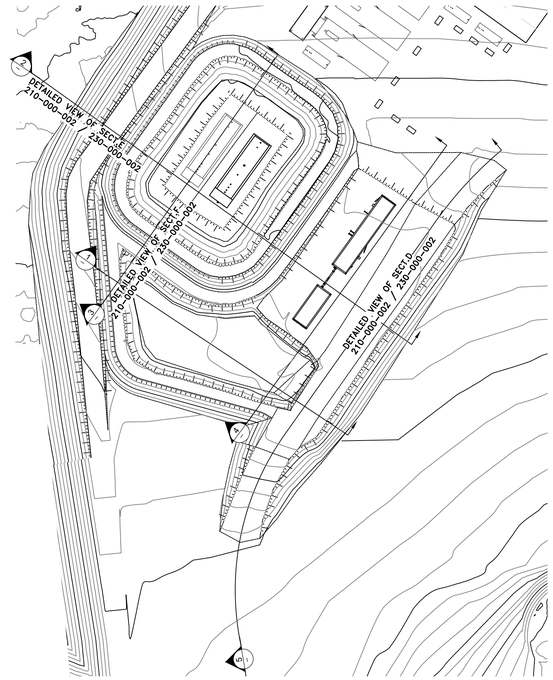


SECTION 5 - Fuel Pad Ramp



SCEAUX/PERMIS
STAMP/PERMIT

REGISTERED PROFESSIONAL ENGINEER
A.L. BABCOCK
LICENSEE
2025-05-16
NT/NU

PERMIT TO PRACTICE
CIMA CANADA INC. o/a CIMA+
Signature
Date 2025-05-16
PERMIT NUMBER: P942
NT/NU Association of Professional Engineers and Geoscientists

NOTES GÉNÉRALES / GENERAL NOTES

No.	Revision Description	Date	By
1.	FUEL PAD, TANK, AND BUILDINGS RELOCATED NORTH APPROX. 5m	10-MAY-2024	MDH

TEL QUE CONSTRUIT
AS-BUILT
AGNICO EAGLE
DATE : 2025-5-16

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
4	2025-05-16	ISSUED FOR AS-BUILT	MDH	ALB	AE
3	2024-05-21	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
2	2022-12-08	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
1	2022-10-27	ISSUED FOR REVIEW	MDH	ALB	AE
0	2022-09-02	ISSUED FOR CONSTRUCTION	MDH	ALB	AE

REVISIONS

CIMA+

TITRE / TITLE

AGNICO EAGLE
HOPE BAY NAARTOK PAD
400 GENERAL SITE
230 GENERAL EARTHWORKS
FUEL PAD & TANK FARM SECTIONS

DESSINÉ PAR DRAWN BY	M. HARDING P.Eng	DATE 2022-08-23
VERIFIÉ PAR CHECKED BY	D. PANGILINAN P.eng	2022-08-03
APPROUVÉ PAR APPROVED BY	A. BABCOCK P.eng	2022-08-03
ÉCHELLE SCALE	1:1000	DATE 2022-08-03

NO. DESSIN
DRAWING NO. 62-MNE-400-230-000-003

NO. PROJET PROJECT NO.	REVISION	FEUILLE / SHT
6209	4	1 / 1

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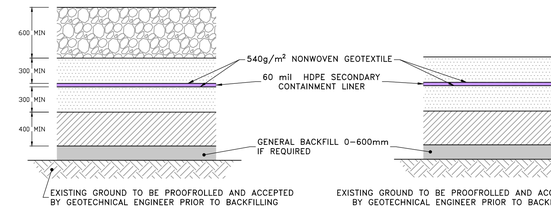
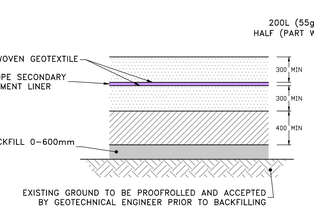
FILE NO. 62-MNE-400-230-000-003.dwg

NO. DESSIN
DRAWING NO. 62-MNE-400-230-000-004

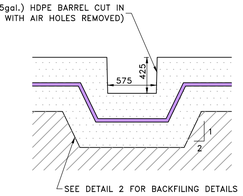
FORMAT ARCHD



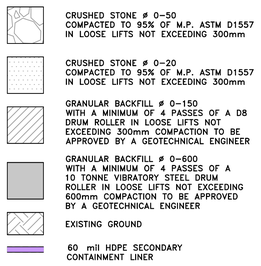
DETAIL 1 - BACKFILL INSTALLATION
DETAIL FOR PUMPING STATION

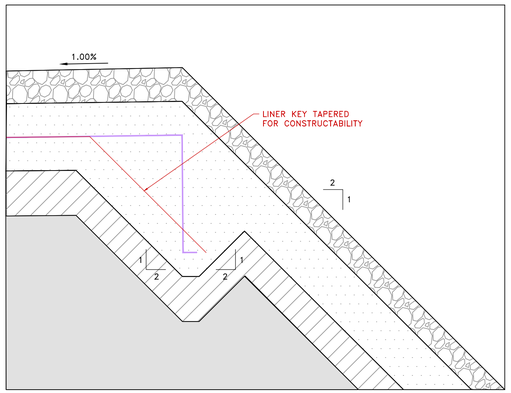


DETAIL 2 - BACKFILL INSTALLATION
DETAIL FOR TANK FARM PAD

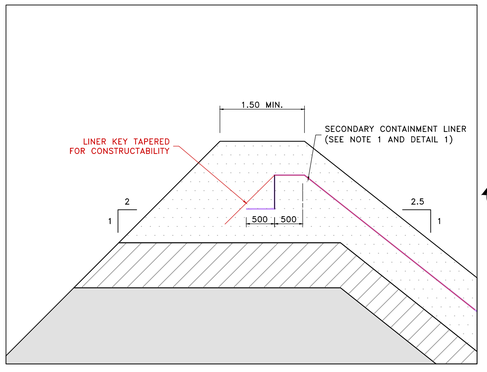


SUMP PIT DETAIL

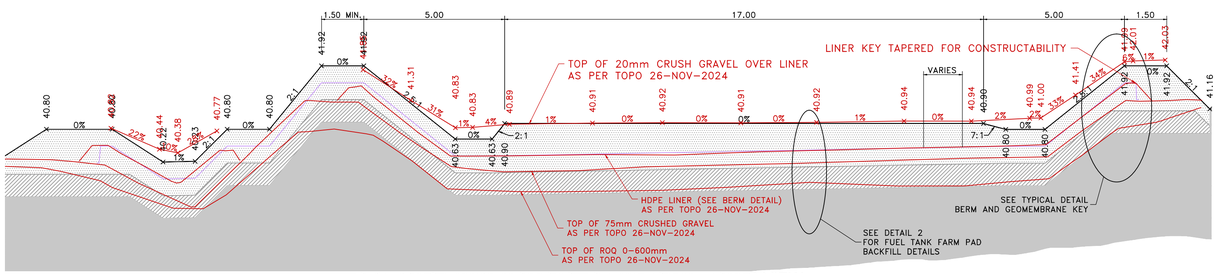




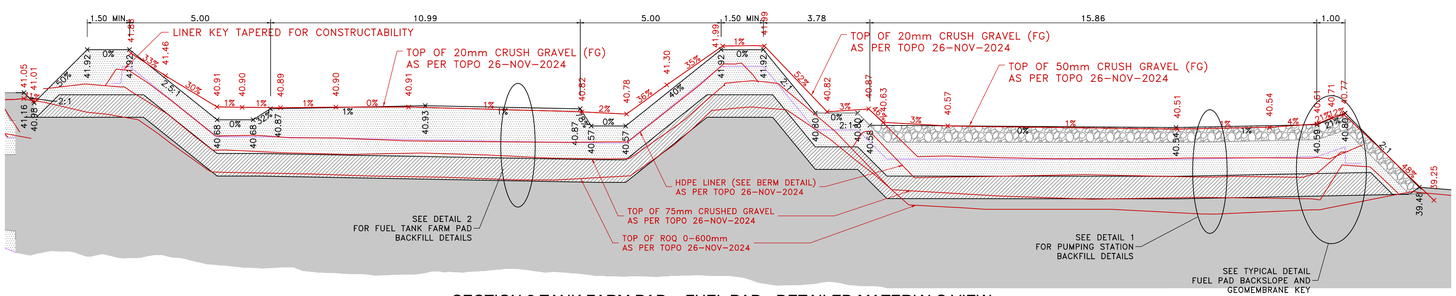
TYPICAL SECTION - FUEL PAD BACKSLOPE AND GEOMEMBRANE KEY



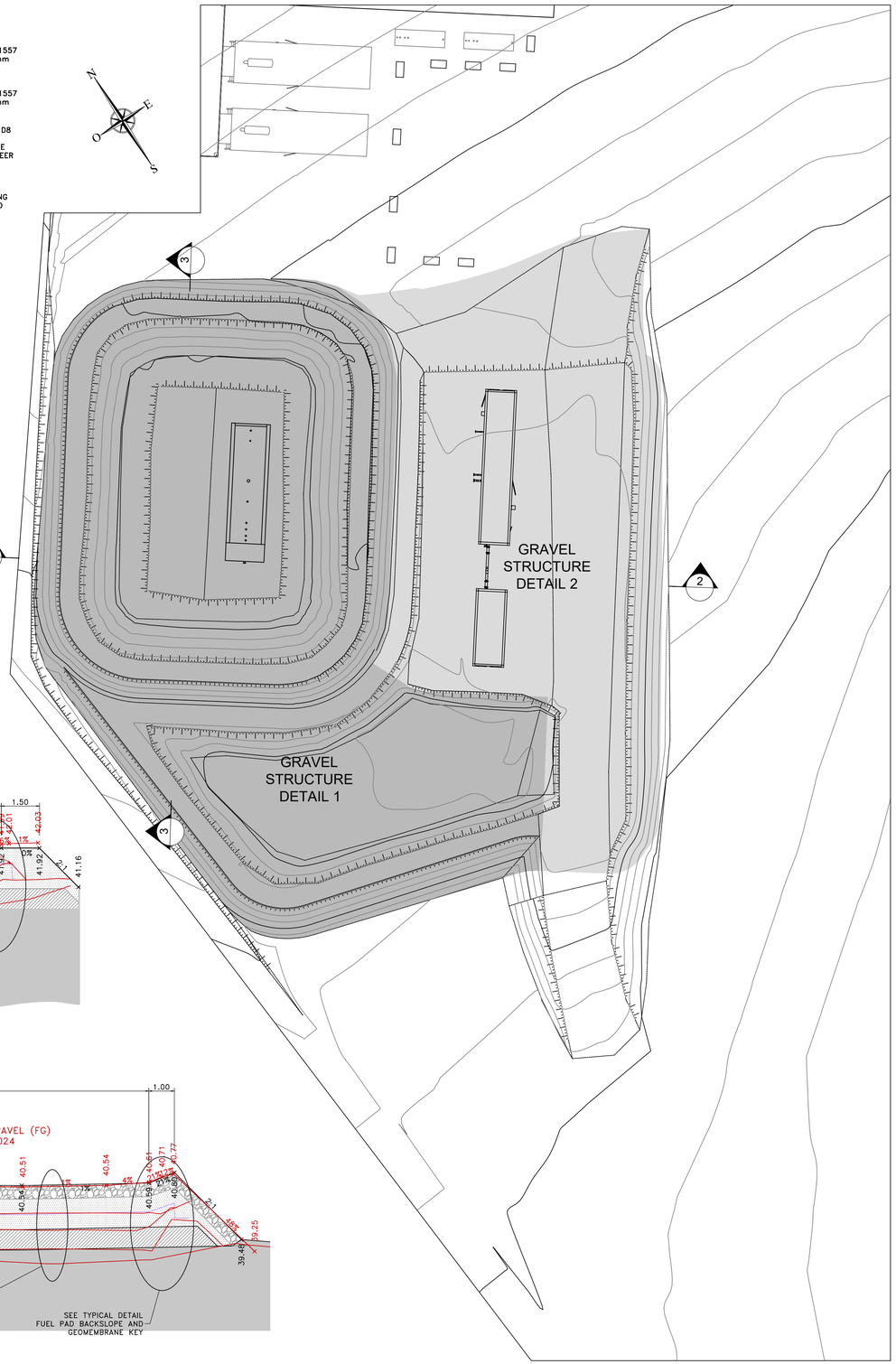
TYPICAL SECTION - BERM AND GEOMEMBRANE KEY



SECTION 3 TANK FARM PAD - DETAILED MATERIALS VIEW
SCALE 1:100 (2x VERTICAL EXAGGERATION)



SECTION 2 TANK FARM PAD + FUEL PAD - DETAILED MATERIALS VIEW
SCALE 1:100 (2x VERTICAL EXAGGERATION)



SCEAUX/PERMIS
STAMP/PERMIT

REGISTERED PROFESSIONAL ENGINEER
A.L. BABCOCK
LICENSEE
2025-05-16
NT/NU

PERMIT TO PRACTICE
CIMA CANADA INC. o/a CIMA+
Signature
Date 2025-05-16
PERMIT NUMBER: P942
NT/NU Association of Professional Engineers and Geoscientists

NOTES GÉNÉRALES / GENERAL NOTES

TEL QUE CONSTRUIT
AS-BUILT
AGNICO EAGLE
DATE : 2025-5-16

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
3	2025-05-16	ISSUED FOR AS-BUILT	MDH	ALB	AE
2	2024-05-21	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
1	2022-12-08	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
0	2022-09-02	ISSUED FOR CONSTRUCTION	MDH	ALB	AE

REVISIONS

CIMA+

TITRE / TITLE

AGNICO EAGLE
HOPE BAY NAARTOK PAD
400 GENERAL SITE
230 GENERAL EARTHWORKS
TANK FARM PLAN

DESSINÉ PAR / DRAWN BY	M. HARDING P.Eng	DATE 2022-08-23
VERIFIÉ PAR / CHECKED BY	D. PANGILINAN P.eng	2022-08-03
APPROUVÉ PAR / APPROVED BY	A. BABCOCK P.eng	2022-08-03
ÉCHELLE / SCALE	1:1000	DATE 2022-08-03

NO. DESSIN / DRAWING NO. 62-MNE-400-230-000-004

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT.
6209	3	1 / 1

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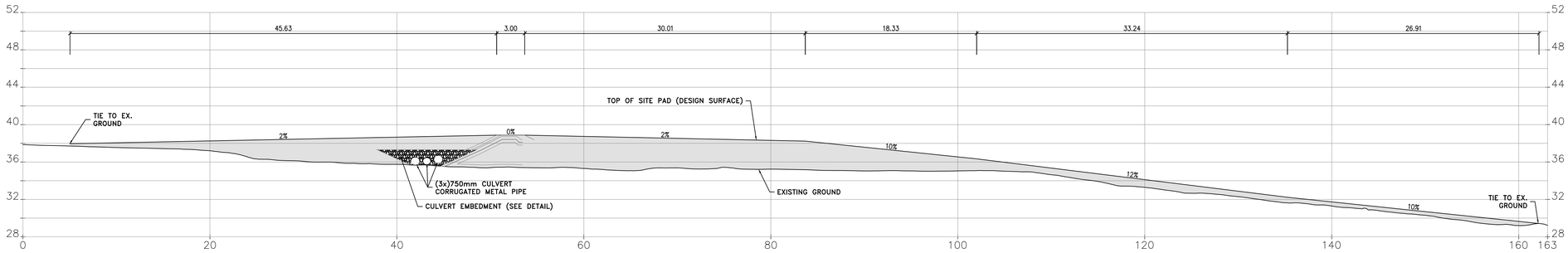
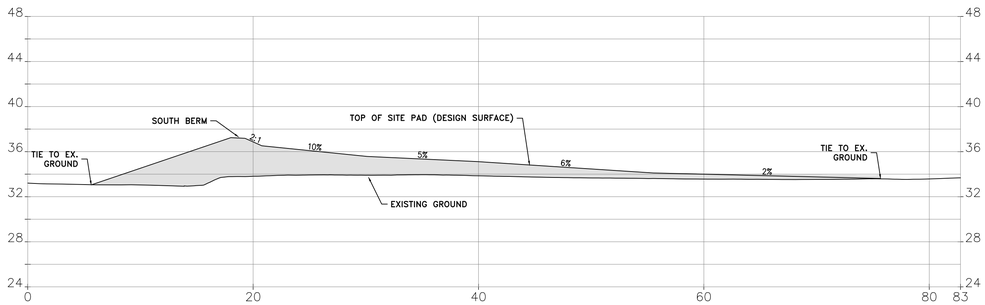
FILE NO. 62-MNE-400-230-000-004.dwg

NO. DESSIN
DRAWING NO. 62-MNE-400-230-000-005

FORMAT ARCHD



SECTION G - W to E Entrance to Crown Pillar Ramp



SECTION H - W to E Site Entrance to Ventilation Raise Road

SCEAUX/PERMIS
STAMP/PERMIT

REGISTERED PROFESSIONAL ENGINEER
A.L. BABCOCK
LICENSEE
2025-05-16
NT/NU

PERMIT TO PRACTICE
CIMA CANADA INC. o/a CIMA+
Signature
Date 2025-05-16
PERMIT NUMBER: P942
NT/NU Association of Professional Engineers and Geoscientists

NOTES GÉNÉRALES / GENERAL NOTES

TEL QUE CONSTRUIT
AS-BUILT
AGNICO EAGLE
DATE : 2025-5-16

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
3	2025-05-16	ISSUED FOR AS-BUILT	MDH	ALB	AE
2	2024-05-21	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
1	2022-12-08	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
0	2022-09-02	ISSUED FOR CONSTRUCTION	MDH	ALB	AE

REVISIONS

CIMA+

TITRE / TITLE
AGNICO EAGLE
HOPE BAY NAARTOK RAMP
400 GENERAL SITE
230 GENERAL EARTHWORKS
SITE SECTIONS – SOUTH

DESSINÉ PAR / DRAWN BY	M. HARDING P.Eng	DATE 2022-08-23
VERIFIÉ PAR / CHECKED BY	D. PANGILINAN P.eng	2022-08-03
APPROUVÉ PAR / APPROVED BY	A. BABCOCK P.eng	2022-08-03
ÉCHELLE / SCALE 1:1000	DATE 2022-08-03	

NO. DESSIN / DRAWING NO. 62-MNE-400-230-000-005

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT.
6209	3	1 / 1

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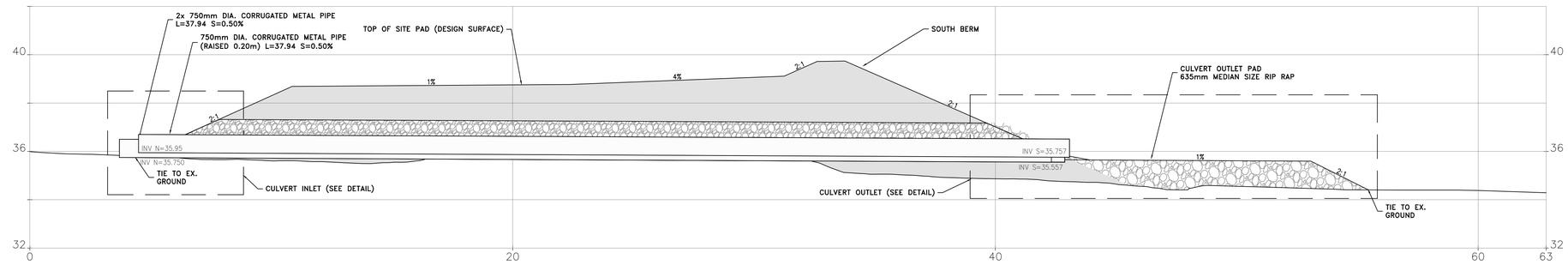
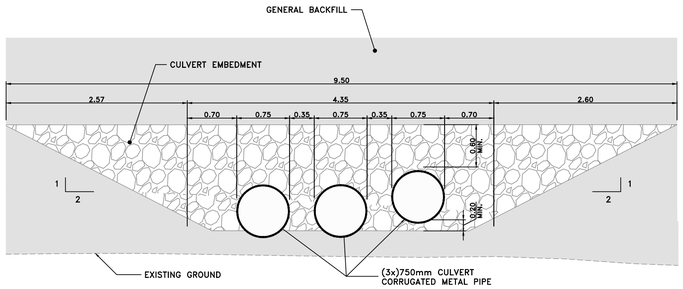
FILE NO. 62-MNE-400-230-000-005.dwg

NO. DESSIN
DRAWING NO. 62-MNE-400-230-000-006

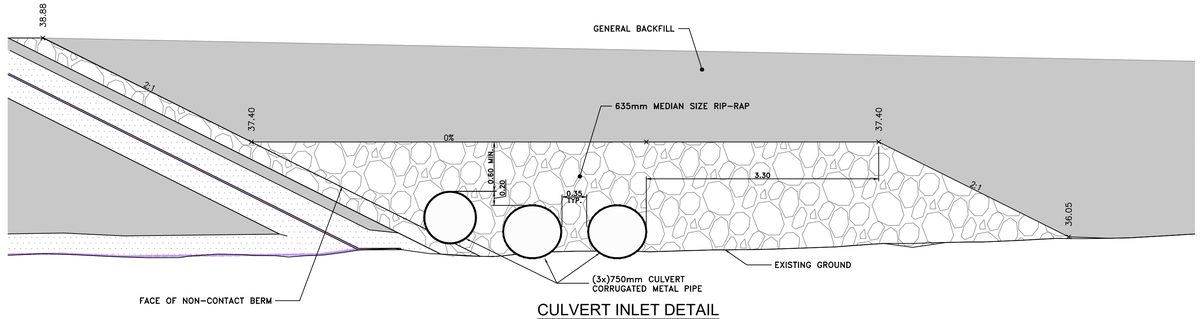
FORMAT ARCHD



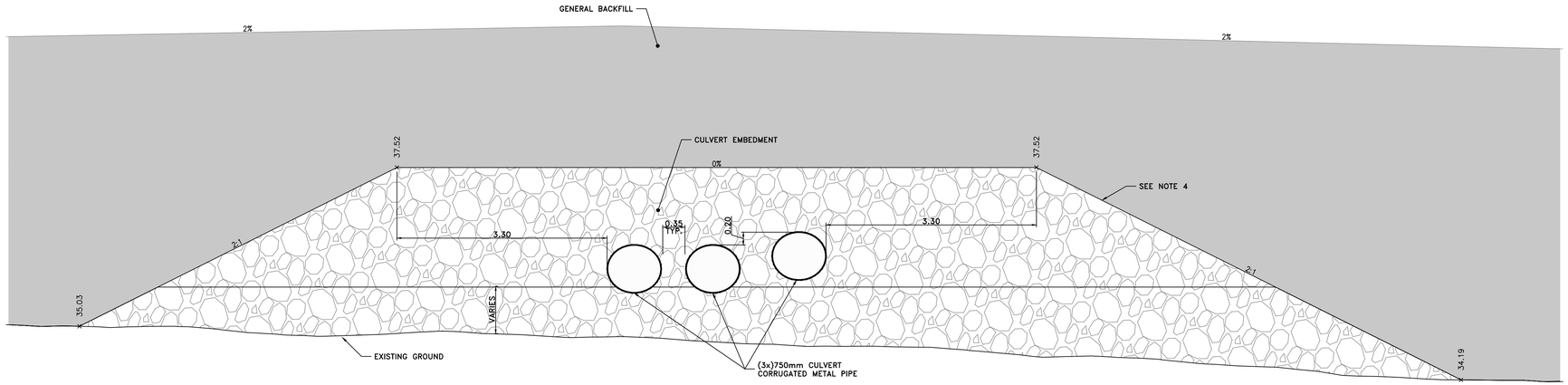
SECTION I - CULVERT PIPE PROFILE



CULVERT PIPE BEDDING



CULVERT INLET DETAIL



CULVERT OUTLET DETAIL

SCEAUX/PERMIS
STAMP/PERMIT

REGISTERED PROFESSIONAL ENGINEER
A.L. BABCOCK
LICENSEE
2025-05-16
NT/NU

PERMIT TO PRACTICE
CIMA CANADA INC. o/a CIMA+
Signature
Date 2025-05-16
PERMIT NUMBER: P942
NT/NU Association of Professional Engineers and Geoscientists

NOTES GÉNÉRALES / GENERAL NOTES

NOTES

1. ALL UNITS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ENGINEERED BACKFILL TO MEET MANUFACTURER'S INSTALLATION SPECIFICATIONS FOR CMP CULVERT. SEE REFERENCES
3. 3 X 750MM CMP PIPES ARE REQUIRED. ONE CULVERT SHOULD BE PERCHED 0.2M HIGHER THAN THE OTHER(S).
4. RIPRAP WILL COVER ALL EXPOSED AREA OF THE ENGINEERED BACKFILL ENVELOPE.
5. OPTIONAL INSTALLATION OF STEAM PIPE FOR EACH CULVERT TO FACILITATE DE-ICING, SHOULD IT BE REQUIRED.

REFERENCES

REFER TO ARMTEC STANDARD DETAIL DRAWINGS CSP-BF-01 AND CSP-BF-04 FOR CULVERT INSTALLATION AND BACKFILL SPECIFICATION DETAILS.

TEL QUE CONSTRUIT
AS-BUILT
AGNICO EAGLE
DATE : 2025-5-16

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
3	2025-05-16	ISSUED FOR AS-BUILT	MDH	ALB	AE
2	2024-05-21	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
1	2022-12-08	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
0	2022-09-02	ISSUED FOR CONSTRUCTION	MDH	ALB	AE

REVISIONS

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TITRE / TITLE

AGNICO EAGLE
HOPE BAY NAARTOK RAMP
400 GENERAL SITE
230 GENERAL EARTHWORKS
SITE SECTIONS – CULVERT

DESSINÉ PAR / DRAWN BY	M. HARDING P.Eng	DATE 2022-08-23
VÉRIFIÉ PAR / CHECKED BY	D. PANGILINAN P.eng	2022-08-03
APPROUVÉ PAR / APPROVED BY	A. BABCOCK P.eng	2022-08-03
ÉCHELLE / SCALE	1:1000	DATE 2022-08-03

NO. DESSIN / DRAWING NO. 62-MNE-400-230-000-006

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6209	3	1 / 1

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FILE NO. 62-MNE-400-230-000-006.dwg

NAARTOK PAD - MATERIAL LIST AND QUANTITIES

MATERIAL LIST	UNITS	QTY.	
ROQ MATERIALS	m^3	42840	
SAND (MIN. 500 THK.) ABOVE LINER	m^3	~~450~~	$287m^3$
HDPE GEOMEMBRANE LINER (60 mil)	m^2	~~900~~	$550m^2$
NON-WOVEN GEOTEXTILE	m^2	~~1800~~	$1100m^2$

DIVERSION BERM - MATERIAL LIST AND QUANTITIES

MATERIAL LIST	UNITS	QTY.	
ROQ MATERIALS (INCL. GENERAL BACKFILL @ 150mm THK)	m^3	4090	
CLASS 1 RIPRAP	m^3	~~350~~	$460m^3$
CRUSHED STONE (0-20mm) MIN. 300 THK. @ EACH SIDE OF LINER	m^3	~~1550~~	$822m^3$
HDPE GEOMEMBRANE LINER (60 mil)	m^2	~~3900~~	$2120m^2$
NON-WOVEN GEOTEXTILE	m^2	~~5850~~	$4240m^2$

NON CONTACT CULVERT - MATERIAL LIST AND QUANTITIES

MATERIAL LIST	UNITS	QTY.
750mm DIA. CMP CULVERT	L.m.	120
RIPRAP MATERIAL (635mm MEDIAN SIZE)	m^3	300
ENGINEERED BACKFILL MATERIALS	m^3	360
NON-WOVEN GEOTEXTILE	m^2	450

FUEL TANK FARM - MATERIAL LIST AND QUANTITIES

MATERIAL LIST	UNITS	QTY.	
SURFACE COURSE (0-50mm) MIN. 600 mm THK.	m^3	~~370~~	$287m^3$
CRUSHED STONE (0-20mm) MIN. 300 THK. @ EACH SIDE OF LINER	m^3	~~1110~~	$1055m^3$
GRANULAR STONE (0-150mm) MIN. 400 mm THK	m^3	~~740~~	$662m^3$
ROQ MATERIALS	m^3	NOTE 1	
HDPE GEOMEMBRANE LINER (60 mil)	m^2	~~2120~~	$1900m^2$
NON-WOVEN GEOTEXTILE	m^2	~~4240~~	$3800m^2$

NOTE:

1 - ROQ MATERIALS OF TANK FARM ARE ACCOUNTED FOR IN NAARTOK PAD QUANTITIES

SCEAUX/PERMIS
STAMP/PERMIT

REGISTERED PROFESSIONAL ENGINEER
A.L. BABCOCK
LICENSEE
2025-05-16
NT/NU

PERMIT TO PRACTICE
CIMA CANADA INC. o/a CIMA+
Signature
Date 2025-05-16
PERMIT NUMBER: P942
NT/NU Association of Professional Engineers and Geoscientists

NOTES GÉNÉRALES / GENERAL NOTES

NOTES

1. ALL UNITS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ENGINEERED BACKFILL TO MEET MANUFACTURER'S INSTALLATION SPECIFICATIONS FOR CMP CULVERT. SEE REFERENCES
3. 3 X 750MM CMP PIPES ARE REQUIRED. ONE CULVERT SHOULD BE PERCHED 0.2M HIGHER THAN THE OTHER(S).
4. RIPRAP WILL COVER ALL EXPOSED AREA OF THE ENGINEERED BACKFILL ENVELOPE.
5. OPTIONAL INSTALLATION OF STEAM PIPE FOR EACH CULVERT TO FACILITATE DE-ICING, SHOULD IT BE REQUIRED.

TEL QUE CONSTRUIT
AS-BUILT
AGNICO EAGLE
DATE : 2025-5-16

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
3	2025-05-16	ISSUED FOR AS-BUILT	MDH	ALB	AE
2	2024-05-21	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
1	2022-12-08	ISSUED FOR CONSTRUCTION	MDH	ALB	AE
0	2022-09-02	ISSUED FOR CONSTRUCTION	MDH	ALB	AE

REVISIONS

CIMA+

TITRE / TITLE

AGNICO EAGLE
HOPE BAY NAARTOK RAMP
400 GENERAL SITE
230 GENERAL EARTHWORKS
MATERIALS AND QUANTITIES

DESSINÉ PAR DRAWN BY	M. HARDING P.Eng	DATE 2022-08-23
VÉRIFIÉ PAR CHECKED BY	D. PANGILINAN P.eng	2022-08-03
APPROUVÉ PAR APPROVED BY	A. BABCOCK P.eng	2022-08-03
ÉCHELLE SCALE	1:1000	DATE 2022-08-03

NO. DESSIN DRAWING NO. 62-MNE-400-230-000-007

NO. PROJET PROJECT NO.	REVISION	FEUILLE / SHT
6209	3	1 / 1

B

Appendix B Fuel Storage Secondary Containment Field Reports

AGNICO EAGLE

6209 Hope Bay Construction 2024-2025

Naartok Pad- Fuel Farm

Liner Installation Daily Report

Area:	✓ 1 ✓ 2 3 4	Date:	Sep 26th, 2024
Weather:	High 6 Low 5 Rainy	Shift: ✓Day Night	Manpower: Terrafix (4), Nuna (2)

Client: AEM	
Supervisor on site	Dominic Rochon
Contractor: Nuna	
Supervisor on site	Boyd Barstad
Material	
Equipment	
Tools	
Detail of the work done	
Contractor: Terrafix	
Supervisor on site	Kristen Adams
Material	Geotextile
Equipment	
Tools	
Detail of the work done	
Lay down base layer of geotextile in preparation to deploy geomembrane liner. Shut down because of heavy rain.	
Material Quantity	
HDPE	
Geotextile	2700 m2
Other Material	
General Comments	
Health & Safety	
Accident/ Incident	
Oil spill report	
Wildlife activities report	
Photo	

AGNICO EAGLE

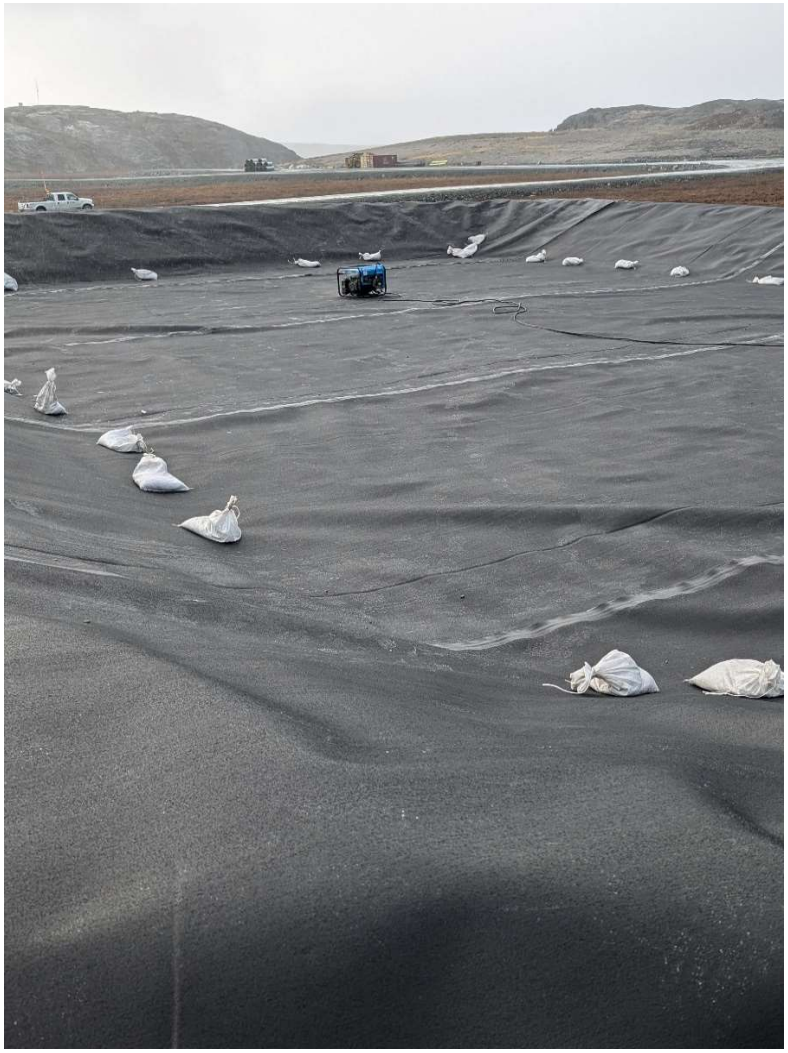
6209 Hope Bay Construction 2024-2025

Naartok Pad- Fuel Farm

Liner Installation Daily Report

Area:	✓ 1 ✓ 2 3 4 5	Date:	Sep 30th, 2024
Weather:	High 3 Low 1 Cool	Shift: ✓Day Night	Manpower: Terrafix (4), Nuna (2)

Client: AEM	
Supervisor on site	Dominic Rochon
Contractor: Nuna	
Supervisor on site	Boyd Barstad
Material	
Equipment	
Tools	
Detail of the work done	
Contractor: Terrafix	
Supervisor on site	Kristen Adams
Material	60 mil Geomembrane liner roll #1- 138397
Equipment	
Tools	
Detail of the work done	
Deploy weld and air test geomembrane liner	
Material Quantity	
HDPE	2700 m2
Geotextile	
Other Material	
General Comments	
Health & Safety	
Accident/ Incident	
Oil spill report	
Wildlife activities report	



AGNICO EAGLE

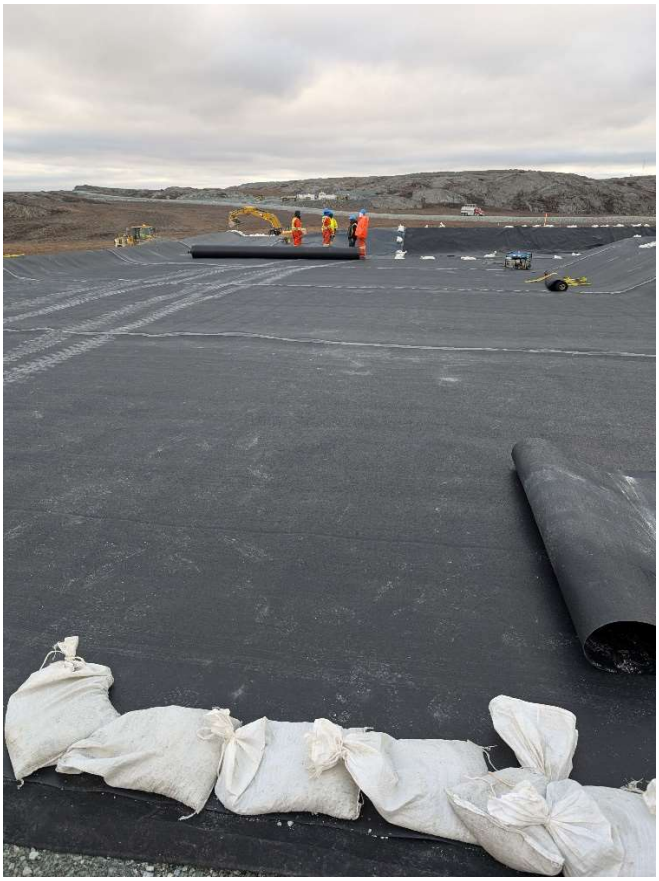
6209 Hope Bay Construction 2024-2025

Naartok Pad- Fuel Farm

Liner Installation Daily Report

Area:	1 2 3 ✓4 ✓ 5	Date:	Oct 1st, 2024
Weather:	High 6 Low 5 Rainy	Shift: ✓Day Night	Manpower: Terrafix (4),Nuna (2)

Client: AEM	
Supervisor on site	Dominic Rochon
Contractor: Nuna	
Supervisor on site	Boyd Barstad
Material	
Equipment	
Tools	
Detail of the work done	
Contractor: Terrafix	
Supervisor on site	Kristen Adams
Material	Geomembrane liner
Equipment	
Tools	
Detail of the work done	
Deploy and weld geomembrane liner 3/4 completed.	
Material Quantity	
HDPE	2625 m2
Geotextile	
Other Material	
General Comments	
Health & Safety	
Accident/ Incident	
Oil spill report	
Wildlife activities report	
Photo	



AGNICO EAGLE

6209 Hope Bay Construction 2024-2025

Naartok Pad- Fuel Farm

Liner Installation Daily Report

Area:	1 ✓ 2 3 4 ✓ 5	Date:	Oct 2nd, 2024
Weather:	High 6 Low 5, Rainy	Shift: ✓Day Night	Manpower: Terrafix (4), Nuna (1)

Client: AEM	
Supervisor on site	Daniel Dufresne
Contractor: Nuna	
Supervisor on site	Boyd Barstad
Material	
Equipment	
Tools	
Detail of the work done	
Contractor: Terrafix	
Supervisor on site	Kristen Adams
Material	Geomembrane liner, Geotextile
Equipment	
Tools	Wedge, Extruder
Detail of the work done	
Start deploy liner in area 5 (2 panels), stop working cause of wind. Do patch in area 2 finish textile.	
Material Quantity	
HDPE	436 m2
Geotextile	750 m2
Other Material	
General Comments	
Health & Safety	
Accident/ Incident	
Oil spill report	
Wildlife activities report	
Photo	

AGNICO EAGLE

6209 Hope Bay Construction 2024-2025

Naartok Pad- Fuel Farm

Liner Installation Daily Report

Area:	1 2 ✓3 ✓ 4 ✓ 5	Date:	Oct 3rd, 2024
Weather:	High 6 Low 5, Rainy	Shift: ✓Day Night	Manpower: Terrafix (1), Nuna (2)

Client: AEM	
Supervisor on site	Daniel Dufresne
Contractor: Nuna	
Supervisor on site	Boyd Barstad
Material	
Equipment	
Tools	
Detail of the work done	
Contractor: Terrafix	
Supervisor on site	Kristen Adams
Material	Geotextile
Equipment	
Tools	
Detail of the work done	
Deploy geotextile form and weld sump. Weld T's and repairs along panels 6,7,8,9,10. No testing	
Material Quantity	
HDPE	
Geotextile	2700 m2 (area 4,5)
Other Material	
General Comments	
Health & Safety	
Accident/ Incident	
Oil spill report	
Wildlife activities report	
Photo	


1-138395 P3
P2 1-13

AGNICO EAGLE

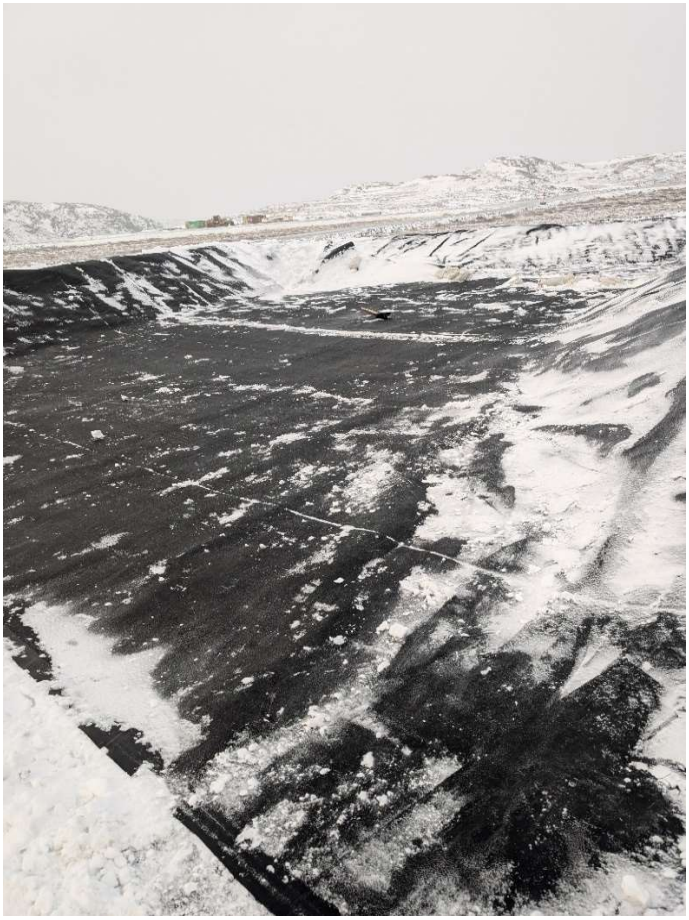
6209 Hope Bay Construction 2024-2025

Naartok Pad- Fuel Farm

Liner Installation Daily Report

Area:	1 2 3 4 ✓5	Date:	Oct 4th, 2024
Weather:	High 2 Low 1, Windy,Snow Blowing	Shift: ✓Day Night	Manpower: Terrafix (1), Nuna (2)

Client: AEM	
Supervisor on site	Daniel Dufresne
Contractor: Nuna	
Supervisor on site	Boyd Barstad
Material	
Equipment	
Tools	
Detail of the work done	
Contractor: Terrafix	
Supervisor on site	Kristen Adams
Material	Geotextile, Geomembrane liner
Equipment	
Tools	
Detail of the work done	
Start showeling snow, Place textile over cleared area(3 panels). Place and weld liner(2 panels). Fuel load area liner finished. Air test, Vacum Test done.	
Material Quantity	
HDPE	417 m2, roll #138395
Geotextile	640 m2
Other Material	
General Comments	
Health & Safety	
Accident/ Incident	
Oil spill report	
Wildlife activities report	
Photo	



AGNICO EAGLE

6209 Hope Bay Construction 2024-2025

Naartok Pad- Fuel Farm

Liner Installation Daily Report

Area:	1 2 ✓3 4 ✓ 5	Date:	Oct 5th, 2024
Weather:	High 2 Low 1, Foggy,Cool	Shift: ✓Day Night	Manpower: Terrafix (1), Nuna (1)

Client: AEM	
Supervisor on site	Daniel Dufresne
Contractor: Nuna	
Supervisor on site	Boyd Barstad
Material	
Equipment	
Tools	
Detail of the work done	
Contractor: Terrafix	
Supervisor on site	Kristen Adams
Material	Geotextile, Geomembrane liner roll #138395
Equipment	Telehandler
Tools	Wedge, Tensiometer
Detail of the work done	
Lay down base geotextile, cover with geomembrane liner on west berm and cover with top layer geotextile. Clean snow and pump water from fuel load area. Air test on reverse	
Material Quantity	
HDPE	654 m2, roll# 138395
Geotextile	1309 m2
Other Material	
General Comments	
Health & Safety	
Accident/ Incident	
Oil spill report	
Wildlife activities report	
Photo	


VT ok
10/03/24


VT OK
10/03/24


VT OK
10/03/24

AGNICO EAGLE

6209 Hope Bay Construction 2024-2025

Naartok Pad- Fuel Farm

Liner Installation Daily Report

Area:	1 2 3 4 ✓5	Date:	Oct 6th, 2024
Weather:	High 1 Low 0, Sunny	Shift: ✓Day Night	Manpower: Terrafix (1), Nuna (1)

Client: AEM	
Supervisor on site	Daniel Dufresne
Contractor: Nuna	
Supervisor on site	Boyd Barstad
Material	
Equipment	
Tools	
Detail of the work done	
Contractor: Terrafix	
Supervisor on site	Kristen Adams
Material	Geotextile
Equipment	
Tools	
Detail of the work done	
Pump water from sump, Deploy last part of geotextile area 4-5. Clean up garbage	
Material Quantity	
HDPE	
Geotextile	770 m2
Other Material	
General Comments	
Health & Safety	
Accident/ Incident	
Oil spill report	
Wildlife activities report	
Photo	

AGNICO EAGLE

6209 Hope Bay Construction 2024-2025

Naartok Pad- Fuel Farm

Liner Installation Daily Report

Area:	1 ✓ 2 ✓ 3 4 5	Date:	Oct 7th, 202
Weather:	High 2 Low -2	Shift: ✓Day Night	Manpower: Terrafix (1), Nuna (1)

Client: AEM	
Supervisor on site	Daniel Dufresne
Contractor: Nuna	
Supervisor on site	Boyd Barstad
Material	
Equipment	
Tools	
Detail of the work done	
Contractor: Terrafix	
Supervisor on site	Kristen Adams
Material	HDPE
Equipment	
Tools	Extruder, Tensiometer
Detail of the work done	
Dig out liner from under gravel, clean and start welding (No deployment)	
Material Quantity	
HDPE	
Geotextile	
Other Material	
General Comments	
Health & Safety	
Accident/ Incident	
Oil spill report	
Wildlife activities report	
Photo	


CAT

AGNICO EAGLE

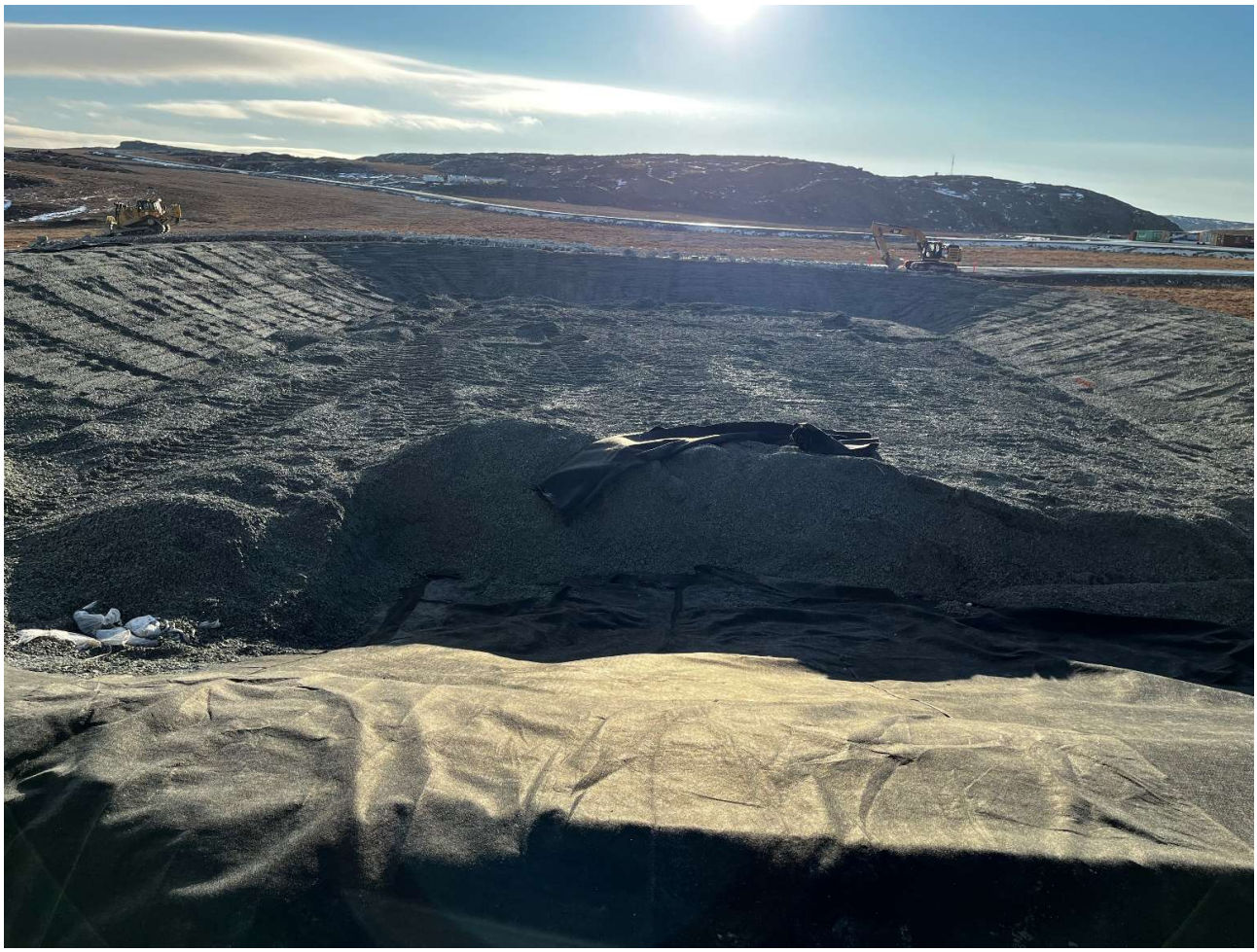
6209 Hope Bay Construction 2024-2025

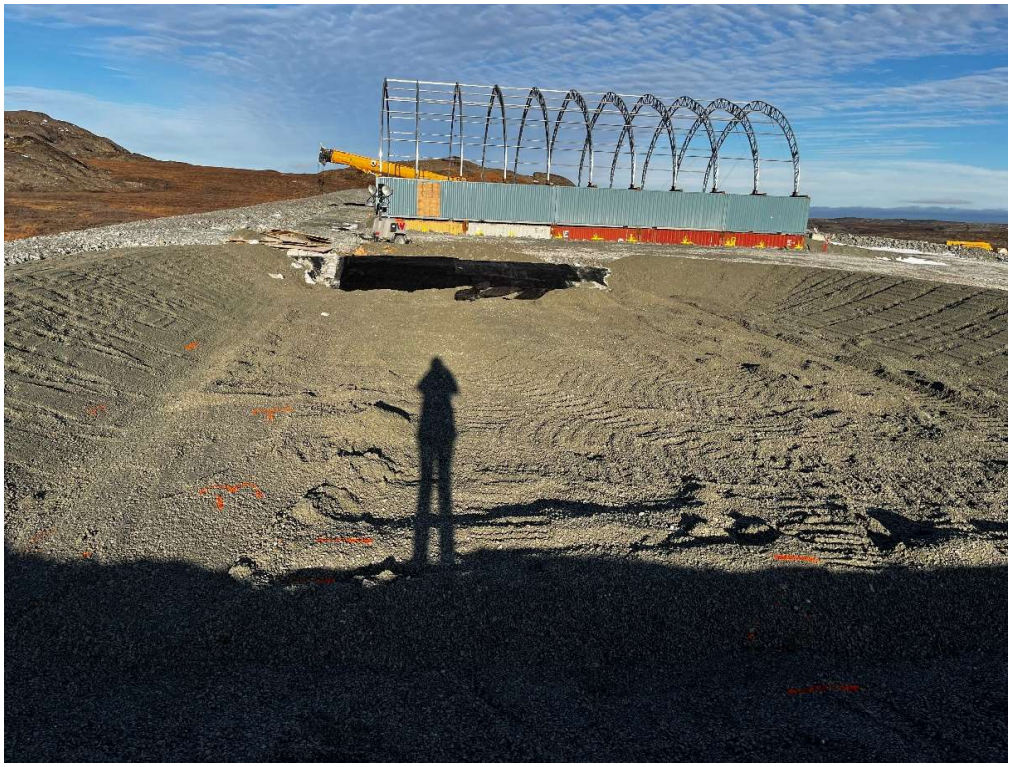
Naartok Pad- Fuel Farm

Liner Installation Daily Report

Area: ✓ 1 ✓ 2 3 4	Date:	Oct 8th, 2024
Weather: High 4 Low 2	Shift: ✓Day Night	Manpower: Terrafix (1)

Client: AEM	
Supervisor on site	Daniel Dufresne
Contractor: Nuna	
Supervisor on site	Boyd Barstad
Material	
Equipment	
Tools	
Detail of the work done	
Contractor: Terrafix	
Supervisor on site	Kristen Adams
Material	HDPE
Equipment	
Tools	Extruder, Tensiometer
Detail of the work done	
Finish welding and test (Vac box), Pack up gear and take to warehouse for shipping. Finish paperwork and get signed off.	
Material Quantity	
HDPE	
Geotextile	
Other Material	
General Comments	
Health & Safety	
Accident/ Incident	
Oil spill report	
Wildlife activities report	
Photo	





C

Appendix C Control Data

Terrafix Environmental Tech – Quality

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Terraifx Environmental Technology Inc.

1205 10 St, Nisku, AB, T9E 8L6

(825) 216-0600

info@terrafixgeo.com

terrafixgeo.com

Quality Control Data

Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane Installation 6209-C-230-004
Location:	Hope Bay, NU
Project Number:	249040
Owner:	Agnico Eagle
Engineer:	Agnico Eagle
Client:	Agnico Eagle
Material:	60mil HDPE SST Black

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Quality Control Data

Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane Installation 6209-
Location:	Hope Bay, NU
Project Number:	249040
Owner:	Agnico Eagle
Engineer:	Agnico Eagle
Client:	Agnico Eagle
Material:	60mil HDPE SST Black
QC Technician:	

Table of Contents

Date	QC Signature	QA Signature
Nov. 6, 2024	K.Adams	

AGNICO EAGLE — **Vendor Document Status**

1 ☑ Proceed to next submission and status.

2 ☐ Proceed with exceptions as noted to next submission and status.

3 ☐ Do not proceed.
Revise as noted and resubmit next submission and status.

4 ☐ Complete, no further submission required.

By: Date:

Review and authorization for release are only for general conformance with the design concept of the Project as expressed in the Contract Documents. Sole responsibility for the accuracy and completeness of this document, including but not limited to dimensions and quantities, remains with the Supplier/Contractor. Agnico Eagle does not warrant the accuracy or completeness of information contained herein, nor does Agnico Eagle authorize or approve any construction means, methods, techniques, sequences or any safety precautions or procedures.

Agnico Eagle No.

DOCUMENT FOR INFORMATION

terrafix®

Form: 00

Date: January 1, 2024

Revision: 00

Project Name: Hope Bay Agnico Eagle

Location:

Project Number: 2490H0 N

Inspection & Testing Plan (ITP)

Step #	Task Description	Reference Document	Verifying Document	Hold Type	Terrafix Initial	Hold Type	Client Initial	Hold Type	Owner / Engineer Initial	Comments
1.0	Unload Geomembrane	QC Manual	Form 03	H		W		R		
2.0	Review Roll Certs	Manufacturer Test Reports	Manufacturer Roll Certs	H		R		R		
3.0	Subgrade Inspection	QC Manual	Form 01	H	KA	H	JJ	H		Acceptable
4.0	Approve Welding Procedure	QC Manual / Project Specifications	QC Manual	H	KA	R	JJ	R		
5.0	Qualify Geomembrane Welds	QC Manual / Project Specifications	Form 04 & Form 05	V	KA	W	JJ	R		Good
6.0	Panel Placement	QC Manual / Project Specifications	Form 06	V	KA	R	JJ	R		
7.0	Destructive Tests (Peel & Shear)	QC Manual / Project Specifications	Form 07	V	KA	W	JJ	R		Good / Pass
8.0	Deployment Inspection	QC Manual / Project Specifications	Visual	R	KA	R	JJ	R		
9.0	Welding Inspection	QC Manual / Project Specifications	Visual	V	KA	R	JJ	R		Good
10.0	NDT - Vacuum Chamber Testing	QC Manual / Project Specifications	Form 11	V	KA	R	JJ	R		Pass
11.0	NDT - Air Channel Pressure Testing	QC Manual / Project Specifications	Form 08	H	KA	R	JJ	R		Pass
12.0	NDT - Air Lance Testing	QC Manual / Project Specifications	Form 09	H		R		R		
13.0	NDT - Spark Testing Survey	QC Manual / Project Specifications	Form 10	H		R		R		
14.0	NDT - Acoustic Testing Survey	QC Manual / Project Specifications	Form 11	H		R		R		
15.0	Verify Repairs	QC Manual / Project Specifications	Form 11	H	KA	R	JJ	R		Complete
16.0	Record As-Built	QC Manual	Drawing	V		R		R		
17.0	Retain Liner Documentation Records	QC Manual	QC Package	V	KA	R	[illegible]	R		not complete
18.0	Final Acceptance	QC Manual	Form 02	H	KA	H	[illegible]	H		

W - Witness, R - Review, H - Hold, V - Verification

	Acceptance	Completion
	Print Name / Signature / Date	Print Name / Signature / Date
Terrafix	Kristen Adams	Kristen Adams Kristen Adams 10/08/24
Client	David DuFresne	
Owner/Engineer		

Subgrade Inspection & Acceptance

Form:	**01**
Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane Installation 6209-C-230-004
Location:	Hope Bay, NU
Project Number:	249040
Owner:	Agnico Eagle
Engineer:	Agnico Eagle
Client:	Agnico Eagle
Material:	60mil HDPE SST Black
QC Technician:	

I, Brent Nancarrow, Project Supervisor on behalf of Terrafix Environmental Technology Inc. ("TET"), have visually inspected the subgrade of the area to be covered with geosynthetics. The visual inspection was performed for the sole purpose of identifying:

A. Obvious protrusions from the subgrade, such as sharp rocks or any foreign objects measuring more than 1/2".

B. Prescence of snow or water on the subgrade which may impede installation.

C. Compaction of the subgrade based on observing the amount of deflection or rutting which occurs under the wheels of loaded construction equipment of the subgrade.

D. Any other obvious impediments to the geosynthetic installation.

E. For no other purpose whatsoever.

My visual inspection relies on the assumptions of even compaction throughout the Project area without independent verification and of proper Project design, engineering, and construction. Based on my visual inspection for the above purposes, and based on the foregoing assumptions, the subgrade appears to be in an acceptable condition for TET to install the geosynthetic materials and components required in the Project drawings and specifications. TET will notify the Client or Engineer of any deficiencies or other impediments in the subgrade discovered after the date of this instrument which require remediation prior to TET being able to complete its installation scope.

I, Thomas Hanneuse, on behalf of AEM have visually inspected the subgrade of the above referenced Project for the purposes listed above. I confirm that the subgrade was prepared based on TET's "Guidelines for Site Readiness" document or to such other standard as agreed to by TET in writing.

This instrument is signed and dated, August 20, 2024.

Comments

Subgrade suitable for deployment of geotextile and 60ML HDPE liner material.

Agnico Eagle	**Terrafix Environmental Technology Inc.**
Thomas Hanneuse Hope Bay 2024.08.20 10:52:46-06'00'	
Signature	*Signature*
Thomas Hanneuse - Civil works supervisor	Brent Nancarrow
Print Name & Title	*Print Name & Title*

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Subgrade Inspection & Acceptance

Form:	01
Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane Installation 6209-C-230-004
Location:	Hope Bay, NU
Project Number:	249040
Owner:	Agnico Eagle
Engineer:	Agnico Eagle
Client:	Agnico Eagle
Material:	60mil HDPE SST Black
QC Technician:	

I, Kristen Adams, Project Supervisor on behalf of Terrafix Environmental Technology Inc. ("TET"), have visually inspected the subgrade of the area to be covered with geosynthetics. The visual inspection was performed for the sole purpose of identifying:

A. Obvious protrusions from the subgrade, such as sharp rocks or any foreign objects measuring more than 1/2".
B. Prescence of snow or water on the subgrade which may impede installation.
C. Compaction of the subgrade based on observing the amount of deflection or rutting which occurs under the wheels of loaded construction equipment of the subgrade.
D. Any other obvious impediments to the geosynthetic installation.
E. For no other purpose whatsoever.

My visual inspection relies on the assumptions of even compaction throughout the Project area without independent verification and of proper Project design, engineering, and construction. Based on my visual inspection for the above purposes, and based on the foregoing assumptions, the subgrade appears to be in an acceptable condition for TET to install the geosynthetic materials and components required in the Project drawings and specifications. TET will notify the Client or Engineer of any deficiencies or other impediments in the subgrade discovered after the date of this instrument which require remediation prior to TET being able to complete its installation scope.

I, Kristen Adams, on behalf of TerraFix have visually inspected the subgrade of the above referenced Project for the purposes listed above. I confirm that the subgrade was prepared based on TET's "Guidelines for Site Readiness" document or to such other standard as agreed to by TET in writing.

This instrument is signed and dated, Thursday Sept 26 2024.

Comments

Subgrade suitable for deployment of geotextile and 60ML HDPE liner material.
- No key trench around outside primitar of upper tank Containment pad or truck Fueling area.

Agnico Eagle	**Terrafix Environmental Technology Inc.**
[signature]	Kristen Adams
Signature	*Signature*
Dominic Roc... C.S.	Kristen Adams / Supervisor
Print Name & Title	*Print Name & Title*

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environmental technology inc.

Certificate of Completion

Form:	02
Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane Installation 6209-C-230-004
Location:	Hope Bay, NU
Project Number:	249040
Owner:	Agnico Eagle
Engineer:	Agnico Eagle
Client:	Agnico Eagle
Material:	60mil HDPE SST Black
QC Technician:	

On the date of this Certificate, a joint inspection was conducted at the above referenced Project by a representative of Terrafix Environmental Technology Inc. ("TET") and a representative of the above referenced Client of the project. From the inspection, the installation scope performed by TET was found and agreed to be substantially completed and in compliance with the Contract. Each of the undersigned agrees that TET's installation services are warranted solely in accordance with TET's Installation Services Warranty.

Date of this Certificate, Oct 8/ , 2024 .

Scope of Work

Material	Unit	Quantity	Remarks
Material (1)	m2	HDPE 60 mil = 2890.54	
Material (2)	m2	Geotextile = 5781.08	
Boots	EACH		
Mechanical	m		

Comments

Place Geotextile under and on top of 60 mil Geomembrane liner (HDPE) in areas 1-2-3-4-5 and finish off west berm. Place weld and test 60mil HDPE liner on areas 1-2-3-4-5 and west berm

Agnico Eagle

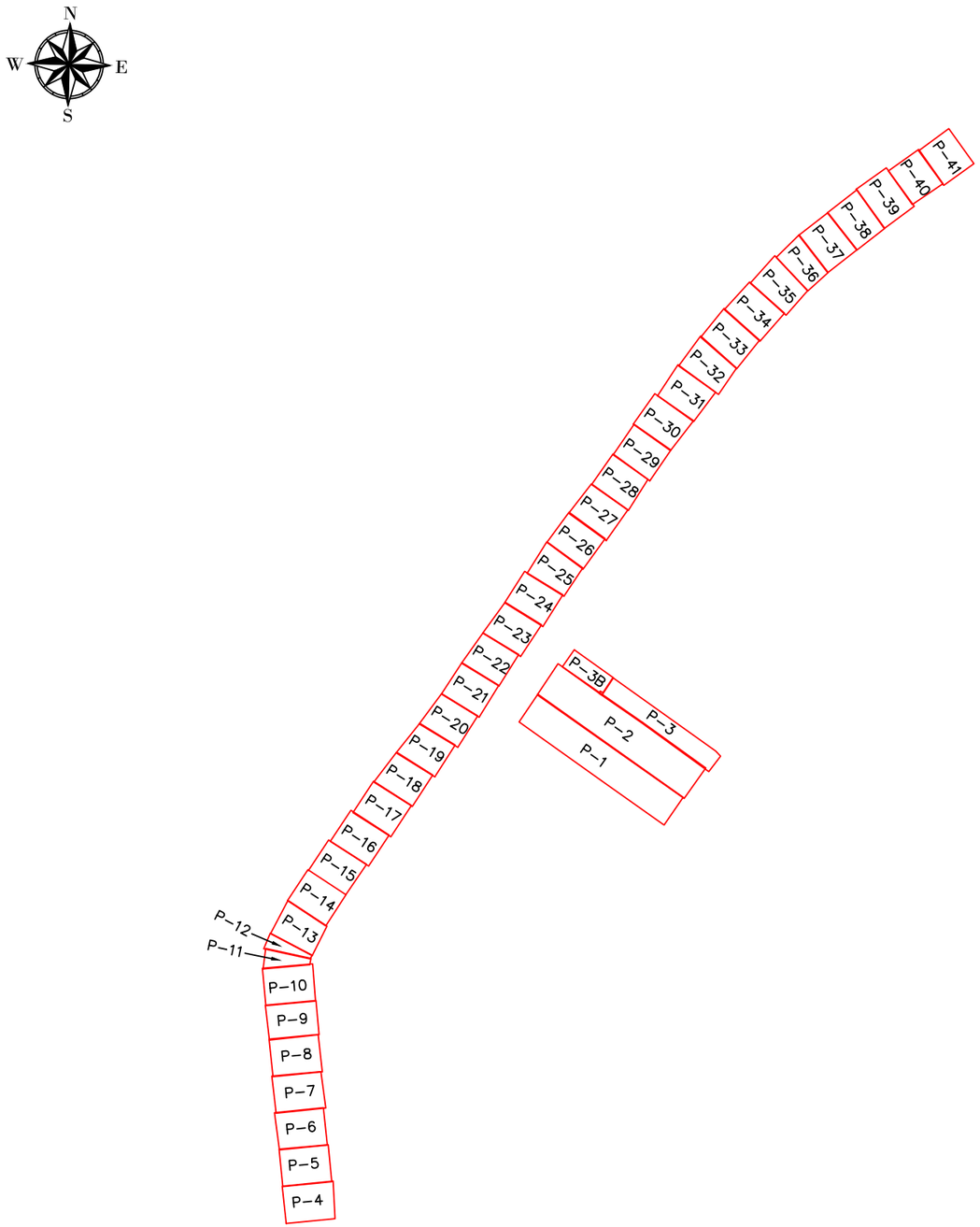
Signature

Daniel Dufresne
Print Name & Title

Terrafix Environmental Technology Inc.

Signature

Kristen Adams / Supervisor
Print Name & Title



AGNICO EAGLE

HAMEL ARPENTAGE

Révisions précédentes / Previous revisions

Rev	Description	Date	Par By

Dessins en référence/Reference Drawing

Dessin Drawing 62–MNE–400–230–000–001	Date 24–07–01
Dessin Drawing 62–MNE–400–230–000–002	Date 24–07–01
Dessin Drawing 62–MNE–400–230–000–003	Date 24–07–01
Dessiné par Drawn by	Date

Notes

Dessiné par Drawn by Olivier Hamel	Date 2024–08–20
Approuvé par Approved by N/A	Date N/A
NO. Projet Projet NO. 6209–142	
Date d'envoie Date of dispatch 20th of august 2024	

Titre
Tittle

Agnigo Eagle division (AEM)
Hope Bay
950 – Construction
400 – Liner as built
142 – Surveying

Échelle Scale 1:1000	FICHIER FILE 240820_liner_ab.dwg	
No. DESSIN DRAWING NO. 6209–950–400	Rev. 0	Page 1/1

AGNICO EAGLE

HA HAMELARPENTAGE

Révisions précédentes / Previous revisions

Rev	Description	Date	Par By

Dessins en référence/Reference Drawing

Dessin Drawing	Date
Dessin Drawing	Date
Dessin Drawing	Date
Dessiné par Drawn by	Date

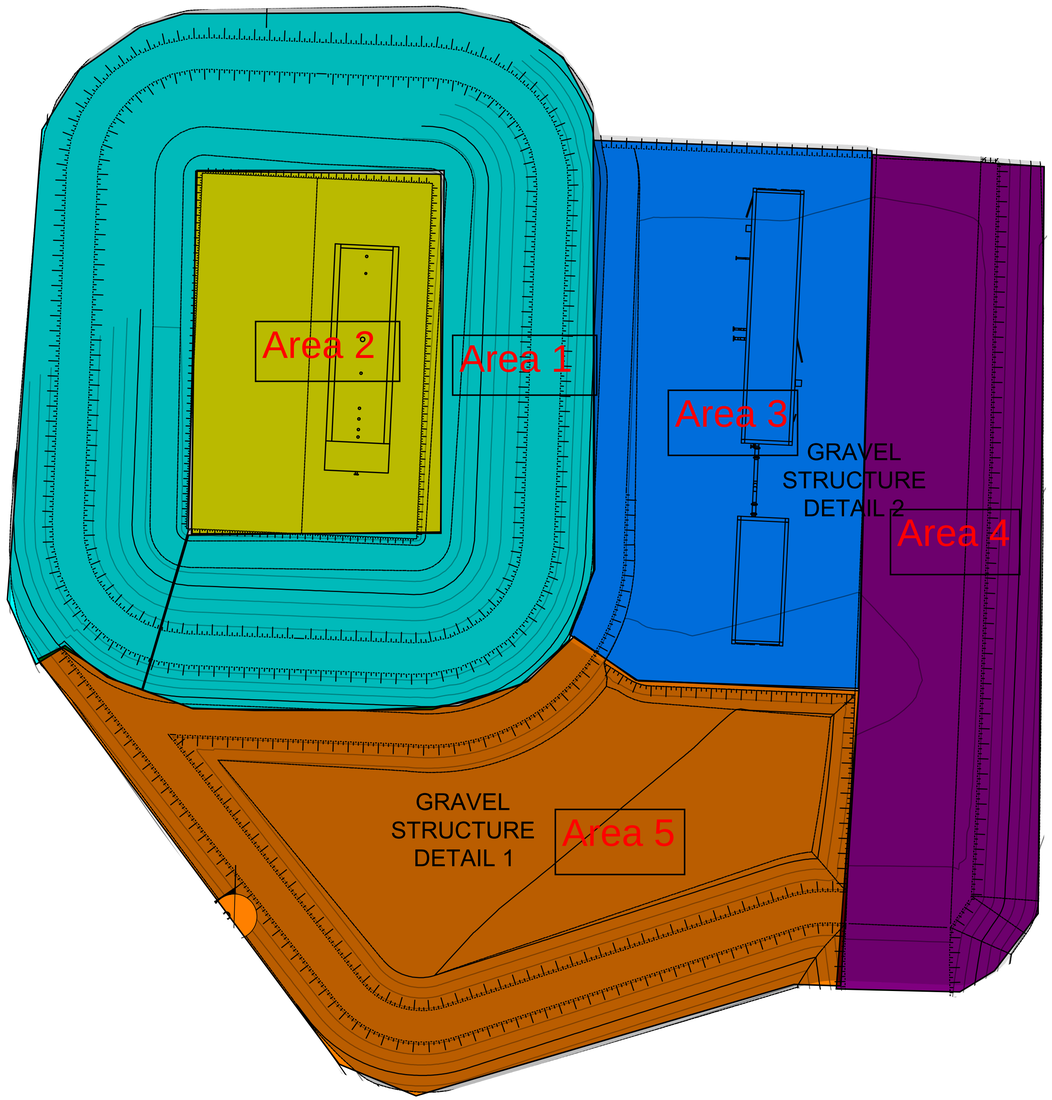
Notes

Dessiné par Drawn by	Jeffrey Rowe	Date	2024-11-09
Approuvé par Approved by	N/A	Date	N/A
NO. Projet Projet NO.	6209-950-400		
Date d'envoie Date of dispatch	11th of November 2024		

Titre
Tittle

Agnigo Eagle division (AEM)
Hope Bay
950 – construction
400 – Naartok pad
142 – Surveying
142 –Report liner–Naartok

Échelle Scale	FICHIER FILE 400 – Naartok site_data.dwg		
No. DESSIN DRAWING NO. 6209-950-400		Rev. 0	Page 1/1



Sketch Showing Area Referenced In Panel Log for Fuel Tank Farm.

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Form: **03**
Date: August 16, 2024
Revision: 00
QC Technician:

Project Name: Agnico Eagle Mine - Hope Bay Project - Membrane Installation 6209-
Location: Hope Bay, NU
Project Number: 249040
Owner: Agnico Eagle
Engineer: Agnico Eagle
Client: Agnico Eagle

Geosynthetic Inventory Log

Material Type	Roll #	Supplier	Carrier	Packing Slip #	Date Received	Dimension				Area		Condition of Roll
						Length (ft)	Length (m)	Width (ft)	Width (m)	ft^2	m^2	
60 ml HDPE	138393	solmax	?	?	?	560.00	170.73	22.30	6.80	12,488.00	1,160.77	broken core
60ml HDPE	138396	Solmax	?	?	?	560.00	170.73	22.30	6.80	12,488.00	1,160.77	broken core
60ml HDPE	138413	solmax	?	?	?	560.00	170.73	22.30	6.80	12,488.00	1,160.77	broken core
60ml HDPE	138391	solmax	?	?	?	560.00	170.73	22.30	6.80	12,488.00	1,160.77	
					Total	2,240.00	682.93	89.20	27.20	49,952.00	4,643.07	

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Form:	**04**	Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane
Date:	August 16, 2024	Location:	Hope Bay, NU
Revision:	00	Project Number:	249040
QC Technician:		Owner:	Agnico Eagle
Material:	60mil HDPE SST Black	Engineer:	Agnico Eagle
		Client:	Agnico Eagle

Wedge Welder Qualification Log

Test #	Date	Time	Machine #	Machine Temp (°C)	Speed (ft/min)	Technician		Peel			Shear			Pass/Fail
								1	2	3	1	2	3	
1	August 16, 2024	7:15 AM	3888	860	500	EY	In (lb/in)	123	127	128	142	136	143	Pass
							Out (lb/in)	125	124	126				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
2	August 17, 2024	7:45 AM	3888	860	550	EY	In (lb/in)	127	125	128	146	135	137	Pass
							Out (lb/in)	122	121	124				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
3	August 18, 2024	7:45 AM	3888	860	550	EY	In (lb/in)	114	112	119	134	131	135	Pass
							Out (lb/in)	111	113	121				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
4	Monday Aug 19/24	11:00 AM	3888	860	550	EY	In (lb/in)	112	114	111	131	127	129	Pass
							Out (lb/in)	109	118	113				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
5	Monday Sept 30/24	7:30 AM	4234	860	550	KA	In (lb/in)	137	126	161	203	199	193	Pass
							Out (lb/in)	133	132	133				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
6	Tuesday Oct 1/24	9:50 AM	4234	860	550	KA	In (lb/in)	152	168	163	214	206	205	Pass
							Out (lb/in)	151	162	153				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
7	Wednesday Oct 2/24	8:30 AM	4234	860	550	KA	In (lb/in)	153	147	162	203	199	211	Pass
							Out (lb/in)	161	169	158				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
8	Friday Oct 4/24	10:53 AM	4234	860	550	KA	In (lb/in)	151	153	151				Pass
							Out (lb/in)	162	151	156				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
							In (lb/in)							
							Out (lb/in)							
							Locus							
							Separation/Elongation							

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Extrusion Welder Qualification Log

Form:	**05**	Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane
Date:	August 16, 2024	Location:	Hope Bay, NU
Revision:	00	Project Number:	249040
QC Technician:		Owner:	Agnico Eagle
Material:	60mil HDPE SST Black	Engineer:	Agnico Eagle
		Client:	Agnico Eagle

Test #	Date	Time	Machine #	Machine Temp (°C)		Technician	Peel				Shear			Pass/Fail
				Barrel	Preheat			1	2	3	1	2	3	
1	October 2, 2024	11:00 AM	50176	500	500	KA	Strength (lb/in)	142	138	153	198	198	204	Pass
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
2	October 3, 2024	10:35 AM	50176	500	500	KA	Strength (lb/in)	144	144	156	198	201	193	Pass
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation							
							Strength (lb/in)							
							Locus							
							Separation/Elongation							
							Strength (lb/in)							
							Locus							
							Separation/Elongation							
							Strength (lb/in)							
							Locus							
							Separation/Elongation							

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Panel Placement Log

Form:	**06**	Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane Installation 6209-C-230-004		
Date:	August 16, 2024	Location:	Hope Bay, NU		
Revision:	00	Project Number:	249040		
QC Technician:		Owner:	Agnico Eagle		
Material:	60mil HDPE SST Black	Engineer:	Agnico Eagle		
		Client:	Agnico Eagle		

Panel #	Roll #	Installation Date	Dimension				Area		Comments
			Length (ft)	Length (m)	Width (ft)	Width (m)	ft^2	m^2	
p1	138393	August 16, 2024	104.00	31.71	22.30	6.80	2,319.20	215.57	Berm
p2	138393	August 16, 2024	104.00	31.71	22.30	6.80	2,319.20	215.57	Berm
p3	138393	August 16, 2024	104.00	31.71	22.30	6.80	2,319.20	215.57	Berm
p4	138391	August 19, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p5	138391	August 19, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p6	138391	August 19, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p7	138391	August 19, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p8	138391	August 19, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p9	138391	August 19, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p10	138391	August 19, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p11	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p12	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p13	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p14	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p15	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p16	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p17	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p18	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p19	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p20	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p21	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p22	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p23	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p24	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p25	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p26	138396	August 17, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p27	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p28	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p29	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p30	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p31	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p32	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p33	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p34	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p35	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p36	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p37	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p38	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p39	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p40	138413	August 18, 2024	28.00	8.54	22.30	6.80	624.40	58.04	Berm
p42	138395	October 5, 2024	36.74	11.20	23.62	7.20	867.56	80.64	Berm
p43	138395	October 5, 2024	36.74	11.20	23.62	7.20	867.56	80.64	Berm
p44	138395	October 5, 2024	36.74	11.20	23.62	7.20	867.56	80.64	Berm
p1	138397	September 30, 2024	84.30	25.70	23.62	7.20	1,990.73	185.04	Tank Farm / Fuel Pad - Area 1 - 2
p2	138397	September 30, 2024	84.30	25.70	23.62	7.20	1,990.73	185.04	Tank Farm / Fuel Pad - Area 1 - 2
p3	138397	September 30, 2024	84.30	25.70	23.62	7.20	1,990.73	185.04	Tank Farm / Fuel Pad - Area 1 - 2
p4	138397	September 30, 2024	84.30	25.70	23.62	7.20	1,990.73	185.04	Tank Farm / Fuel Pad - Area 1 - 2
p5	138397	September 30, 2024	84.30	25.70	23.62	7.20	1,990.73	185.04	Tank Farm / Fuel Pad - Area 1 - 2
p1	138397	October 1, 2024	83.97	25.60	23.62	7.20	1,982.99	184.32	Tank Farm / Fuel Pad - Area 3 -4
p2	138397	October 1, 2024	13.78	4.20	23.62	7.20	325.33	30.24	Tank Farm / Fuel Pad - Area 3 -4
p3	138395	October 1, 2024	70.52	21.50	23.62	7.20	1,665.40	154.80	Tank Farm / Fuel Pad - Area 3 -4

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Form:	**06**	Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane Installation 6209-C-230-004
Date:	August 16, 2024	Location:	Hope Bay, NU
Revision:	00	Project Number:	249040
QC Technician:		Owner:	Agnico Eagle
Material:	60mil HDPE SST Black	Engineer:	Agnico Eagle
		Client:	Agnico Eagle

Panel Placement Log

Panel #	Roll #	Installation Date	Dimension				Area		Comments
			Length (ft)	Length (m)	Width (ft)	Width (m)	ft^2	m^2	
p4	138395	October 1, 2024	83.97	25.60	23.62	7.20	1,982.99	184.32	Tank Farm / Fuel Pad - Area 3 -4
p5	138395	October 1, 2024	83.97	25.60	23.62	7.20	1,982.99	184.32	Tank Farm / Fuel Pad - Area 3 -4
p6	138395	October 1, 2024	83.97	25.60	23.62	7.20	1,982.99	184.32	Tank Farm / Fuel Pad - Area 3 -4
p7	138395	October 1, 2024	33.78	10.30	23.62	7.20	797.84	74.16	Tank Farm / Fuel Pad - Area 3 -4
p8	138395	October 1, 2024	34.77	10.60	23.62	7.20	821.08	76.32	Tank Farm / Fuel Pad - Area 4 & 5
p9	138395	October 1, 2024	42.64	13.00	23.62	7.20	1,006.99	93.60	Tank Farm / Fuel Pad - Area 4 & 5
p10	138395	October 2, 2024	46.58	14.20	23.62	7.20	1,099.94	102.24	Tank Farm / Fuel Pad - Area 4 & 5
p11	138395	October 2, 2024	49.86	15.20	23.62	7.20	1,177.40	109.44	Tank Farm / Fuel Pad - Area 4 & 5
p12	138395	October 4, 2024	33.78	10.30	23.62	7.20	797.84	74.16	Tank Farm / Fuel Pad - Area 4 & 5
p13	138395	October 4, 2024	21.65	6.60	23.62	7.20	511.24	47.52	Tank Farm / Fuel Pad - Area 4 & 5
		Total	2,562.91	781.38	1,387.94	423.15	58,751.76	5,461.01	

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Form:	**07**	Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane
Date:	August 16, 2024	Location:	Hope Bay, NU
Revision:	00	Project Number:	249040
QC Technician:		Owner:	Agnico Eagle
Material:	60mil HDPE SST Black	Engineer:	Agnico Eagle
		Client:	Agnico Eagle

Destructive Testing Log

Test #	Seam #	Date Welded	Date Tested	Weld Type	Machine #	Technician		Peel			Shear			Pass/Fail
								1	2	3	1	2	3	
1	1-2	August 16, 2024	August 16, 2024	Wedge	5660	EY	In (lb/in)	124	131	123	141	142	139	Pass
							Out (lb/in)	126	125	124				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
2	1-18	August 17, 2024	August 17, 2024	Wedge	3888	EY	In (lb/in)	123	125	131	144	143	145	Pass
							Out (lb/in)	126	124	133				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
3	4-5	September 30, 2024	October 6, 2024	Wedge	4234	KA	In (lb/in)	128	139	145	195	194	194	Pass
							Out (lb/in)	167	154	161				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
4	5-6	October 1, 2024	October 6, 2024	Wedge	4234	KA	In (lb/in)	140	135	132	201	197	210	Pass
							Out (lb/in)	135	152	161				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
5	43-44	October 5, 2024	October 6, 2024	Wedge	4234	KA	In (lb/in)	136	127	133	205	198	204	Pass
							Out (lb/in)	142	146	149				
							Locus	SE1	SE1	SE1	SE1	SE1	SE1	
							Separation/Elongation	0%	0%	0%	0%	0%	0%	
							In (lb/in)							
							Out (lb/in)							
							Locus							
							Separation/Elongation							
							In (lb/in)							
							Out (lb/in)							
							Locus							
							Separation/Elongation							

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Form:	**08**	Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane
Date:	August 16, 2024	Location:	Hope Bay, NU
Revision:	00	Project Number:	249040
QC Technician:		Owner:	Agnico Eagle
Material:	60mil HDPE SST Black	Engineer:	Agnico Eagle
		Client:	Agnico Eagle

Air Channel Pressure Testing Log

Seam #	Seam Length (ft)	Date Welded	Date Tested	Machine #	Technician	Pressure (psi)		Time		Pass/Fail	Comments
						Start	Finish	Start	Finish		
1-2	104	August 16, 2024	August 16, 2024	3888	EY	40	40	07:33	07:35	Pass	Berm
2-3	104	August 16, 2024	August 16, 2024	3888	EY	40	40	07:39	07:41	Pass	Berm
3-4	22.3	August 16, 2024	August 16, 2024	3888	EY	40	40	07:41	07:43	Pass	Berm
4-5	28	August 17, 2024	August 17, 2024	3888	EY	40	40	09:08	09:10	Pass	Berm
5-6	28	August 17, 2024	August 17, 2024	3888	EY	40	40	09:12	09:14	Pass	Berm
6-7	28	August 17, 2024	August 17, 2024	3888	EY	40	40	09:16	09:18	Pass	Berm
7-8	28	August 17, 2024	August 17, 2024	3888	EY	40	40	11:48	11:50	Pass	Berm
8-9	28	August 17, 2024	August 17, 2024	3888	EY	40	40	11:52	11:54	Pass	Berm
9-10	28	August 17, 2024	August 17, 2024	3888	EY	40	40	11:55	11:57	Pass	Berm
10-11	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:29	01:31	Pass	Berm
11-12	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:35	01:37	Pass	Berm
12-13	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:35	01:37	Pass	Berm
13-14	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:39	01:41	Pass	Berm
14-15	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:42	01:44	Pass	Berm
15-16	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:43	01:45	Pass	Berm
16-17	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:45	01:47	Pass	Berm
17-18	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:50	01:52	Pass	Berm
18-19	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:53	01:55	Pass	Berm
19-20	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:53	01:55	Pass	Berm
20-21	28	August 17, 2024	August 17, 2024	3888	EY	40	40	01:56	01:58	Pass	Berm
21-22	28	August 17, 2024	August 17, 2024	3888	EY	40	40	02:01	02:03	Pass	Berm
22-23	28	August 17, 2024	August 18, 2024	3888	EY	40	40	08:57	08:59	Pass	Berm
23-24	28	August 17, 2024	August 18, 2024	3888	EY	40	40	09:00	09:02	Pass	Berm
24-25	28	August 18, 2024	August 18, 2024	3888	EY	40	40	09:02	09:04	Pass	Berm
25-26	28	August 18, 2024	August 18, 2024	3888	EY	40	40	09:02	09:04	Pass	Berm
26-27	28	August 18, 2024	August 18, 2024	3888	EY	40	40	09:03	09:05	Pass	Berm
27-28	28	August 18, 2024	August 18, 2024	3888	EY	40	40	09:06	09:08	Pass	Berm
28-29	28	August 18, 2024	August 18, 2024	3888	EY	40	40	10:10	10:12	Pass	Berm
29-30	28	August 18, 2024	August 18, 2024	3888	EY	40	40	10:12	10:14	Pass	Berm
30-31	28	August 18, 2024	August 18, 2024	3888	EY	40	40	10:12	10:14	Pass	Berm
31-32	28	August 18, 2024	August 18, 2024	3888	EY	40	40	10:14	10:16	Pass	Berm
32-33	28	August 18, 2024	August 18, 2024	3888	EY	40	40	10:16	10:18	Pass	Berm
33-34	28	August 18, 2024	August 18, 2024	3888	EY	40	40	10:23	10:25	Pass	Berm
34-35	28	August 18, 2024	August 18, 2024	3888	EY	40	40	10:28	10:30	Pass	Berm
35-36	28	August 18, 2024	August 18, 2024	3888	EY	40	40	10:31	10:33	Pass	Berm
36-37	28	August 18, 2024	August 18, 2024	3888	EY	40	40	12:51	12:53	Pass	Berm
37-38	28	August 18, 2024	August 18, 2024	3888	EY	40	40	12:55	12:57	Pass	Berm
38-39	28	August 18, 2024	August 18, 2024	3888	EY	40	40	01:03	01:05	Pass	Berm
39-40	28	August 18, 2024	August 18, 2024	3888	EY	40	40	01:05	01:07	Pass	Berm
40-41	28	August 18, 2024	August 18, 2024	3888	EY	40	40	01:07	01:09	Pass	Berm
1-2	84.30	September 30, 2024	September 30, 2024	4234	KA	35	35	05:10	05:12	Pass	Area 1 -2
2-3	84.30	September 30, 2024	September 30, 2024	4234	KA	35	35	05:05	05:07	Pass	Area 1 -2
3-4	84.30	September 30, 2024	September 30, 2024	4234	KA	35	35	05:00	05:02	Pass	Area 1 -2

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Form:	**08**	Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane
Date:	August 16, 2024	Location:	Hope Bay, NU
Revision:	00	Project Number:	249040
QC Technician:		Owner:	Agnico Eagle
Material:	60mil HDPE SST Black	Engineer:	Agnico Eagle
		Client:	Agnico Eagle

Air Channel Pressure Testing Log

Seam #	Seam Length (ft)	Date Welded	Date Tested	Machine #	Technician	Pressure (psi)		Time		Pass/Fail	Comments
						Start	Finish	Start	Finish		
4-5	84.30	September 30, 2024	October 2, 2024	4234	KA	35	35	12:04	12:06	Pass	Area 1 -2
11-12	49.856	October 2, 2024	October 4, 2024	4234	KA	35	35	02:35	02:37	Pass	Area 5
12-13	33.784	October 2, 2024	October 4, 2024	4234	KA	35	35	02:38	02:40	Pass	Area 5
13-14	21.648	October 2, 2024	October 4, 2024	4234	KA	35	35	02:42	02:44	Pass	Area 5
1-2	83.968	October 1, 2024	October 5, 2024	4234	KA	35	35	01:03	01:05	Pass	Area 3 - 4
2-3	13.776	October 1, 2024	October 5, 2024	4234	KA	35	35	01:07	01:09	Pass	Area 3 - 4
3-4	83.968	October 1, 2024	October 5, 2024	4234	KA	35	35	01:13	01:15	Pass	Area 3 - 4
4-5	70.52	October 1, 2024	October 2, 2024	4234	KA	35	35	12:04	12:06	Pass	Area 3 - 4

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Form:	**11**	Project Name:	Agnico Eagle Mine - Hope Bay Project - Membrane Installation 6209-C-230-004
Date:	August 16, 2024	Location:	Hope Bay, NU
Revision:	00	Project Number:	249040
QC Technician:		Owner:	Agnico Eagle
Material:	60mil HDPE SST Black	Engineer:	Agnico Eagle
		Client:	Agnico Eagle

Repair Log

Repair #	Type	Repair Size	Location	Date	Technician	Test Method	Comments
1	Patch	83.97'	p4-p5	October 2, 2024	KA	Vacuum Chamber	Full Seam
2	Bead	1'	p4-p5	October 2, 2024	KA	Vacuum Chamber	T - blockoff - Area 3-4
3	Bead	1'	p11-p12-p13	October 4, 2024	KA	Vacuum Chamber	T - blockoff at intersection - Area 3-4 @ 2:50pm
4	Bead	1	p6-p9-p10	October 4, 2024	KA	Vacuum Chamber	T - blockoff at intersection - Area 3-4 @ 2:54pm
5	Bead	1	p6-p8-p9	October 4, 2024	KA	Vacuum Chamber	T - blockoff at intersection - Area 3-4 @ 2:55pm
6	Bead	1	p6-p7-p8	October 4, 2024	KA	Vacuum Chamber	T - blockoff at intersection - Area 3-4 @ 2:56pm
7	Patch	1' x 1'	p6-p7	October 4, 2024	KA	Vacuum Chamber	Patch - Area 4-5@ 3:00pm
8	Patch	1' x 1'	p6-p9	October 4, 2024	KA	Vacuum Chamber	Patch - Area 4-5@ 3:01pm
9	Bead	7.5'	P8	October 4, 2024	KA	Pick/Visual	Sump (4' x 4') - Area 5 @3:15pm

TERRAFIX ENVIRONMENTAL TECHNOLOGY INC.
455 Horner Avenue, Etobicoke, ON, M8W 4W9

WARRANTY NO. 249040N

INSTALLATION SERVICES WARRANTY

CUSTOMER: Agnico Eagle Mines Limited

PROJECT: Hope Bay Project - Membrane Installation - Completed October 5, 2024

CONTRACT or PURCHASE ORDER NO.: Contract No.: 6209-C-230-004 / PO No.: OC-1436844

This Installation Services Warranty (the "Warranty") is issued and made in favour of the Customer by Terrafix Environmental Technology Inc. ("Terrafix") on the following terms and conditions:

1. Warranty

Terrafix warrants to the Customer that the workmanship of Terrafix, its Subcontractors, or its Suppliers in relation to the Work and the Contract is of good quality, in accordance with industry standards and is free from defective workmanship ("Deficiencies"). This Warranty shall continue for a period of 24 consecutive months from the date of the Certificate of Completion posted at the site of the Project or the date on which the Certificate of Completion is given by Terrafix to the Customer, whichever is earlier (the "Warranty Period").

2. Scope of Warranty

This Warranty does not apply to, and the Customer hereby releases Terrafix, its Subcontractors, its Suppliers, and those persons for whom Terrafix is responsible in law from, any claims for Deficiencies arising from or in connection with any one or more of the following: (a) the design, composition, or manufacture of the products installed by Terrafix (such products called the "Terrafix Products"); (b) any products or services installed by a person other than on behalf of Terrafix; (c) any subsurface conditions, whether or not they are discoverable, including faults, sinkholes, erosion, subsidence, subsurface protrusions, defect, or degradation of sub-grade, soil compaction, or changes in the water table; (d) negligent design, construction, or maintenance of the Project including the build up or flow of ice on or under the Terrafix Products; (e) damage including punctures and abrasions to the Terrafix Products caused by equipment, tools, people, machinery, animals, piping, concrete works, granular bedding, or the addition or removal of fill or overburden; (f) any usage or service conditions of the Terrafix Products that differs from those specified in the Contract including substances or materials, or concentrations thereof, which were not originally contemplated in the Contract or for which the Terrafix Products where not designed; (g) fire, flood, earthquake, hail, windstorm, explosion, tornado, or other abnormal weather conditions, accidents, labour disturbances, vandalism, or war; (h) any repairs or alterations of any kind to the Terrafix Products that have been made or attempted by third parties other than emergency repairs necessary to prevent damage to person, property, or the environment or by persons authorized by Terrafix; (i) failure of the Customer to give a Warranty Claim to Terrafix within seven (7) days after the date that the Customer knew or ought to have known of the Deficiencies for such Warranty Claim; (j) any Deficiencies, whether or not discoverable, discovered after the Warranty Period; or (k) any Deficiencies where Terrafix has not been paid all amounts owing to it under the Contract.

3. Warranty Claims

The Customer shall notify Terrafix within seven (7) days after the date the Customer knew or ought to have known of the Deficiencies by written notice to Terrafix's office, identified above, setting forth a description of the Deficiencies (a "Warranty Claim"). Terrafix reserves the right to, and the Customer shall permit Terrafix or its authorized Subcontractor to, inspect all Deficiencies described in a Warranty Claim in order to determine their cause and provide written confirmation to the Customer of which Deficiencies, if any, are covered by this Warranty (the "Approved Claims"). Terrafix's obligations under this Warranty are limited to the repair or replacement of those Terrafix Products which are damaged or destroyed by Approved Claims in the manner and subject to the limitations provided in this Warranty. For certainty, this Warranty does not include diagnostic or exploratory testing while the Project is in use or the Terrafix Products are not directly accessible for such testing. Terrafix may, upon request, provide diagnostic or exploratory testing while at the cost of which will be at the sole expense of the Customer.

4. Warranty Work

Prior to Terrafix inspecting the Deficiencies described in a Warranty Claim or to correcting the Approved Claims, the Customer must provide Terrafix with full, free, and uninterrupted access to the Terrafix Products including the area affected by the Deficiencies described in the relevant Warranty Claim, as well as a mobilization area in close proximity thereto that is determined by Terrafix to be satisfactory. Both such areas shall be provided to Terrafix in a clean, safe, and dry condition, with fill and overburden removed as necessary. In no event whatsoever shall Terrafix be responsible for damages, loss, or any expenses relating the to the investigation or determination as to whether to approve a Warranty Claim in whole or in part, excavation to gain access to the Terrafix Products, removal of any water or other fluids from the site, or cleaning of any Terrafix Products or any surroundings in preparation for inspection and repair, removal or installation of overburden or fill before or after completion of inspection and warranty work (if any), or for remediation work related to spilled, seeping, or leaking substances. Approved Claims will be corrected as soon as reasonable scheduling permits, weather, road, site, and supply of labour and products permitting. Terrafix shall not be liable for default or delay in performing its obligations under this Warranty when such delay or default is caused by fire, strikes, or other labour disturbances, adverse weather conditions, lack of access to Terrafix Products, lack of access to site, riot, war, acts of God, delay of carriers, governmental order, regulation, change in legislation, or other occurrence beyond control of Terrafix.

Other than the replacement cost of Terrafix Products, all cost and expenses relating to the work performed by or on behalf of Terrafix under this warranty, including without limitation direct and indirect costs of personnel, contractors, equipment, and machinery together with all costs related to shipping and transportation, travel, hotel or other accommodation, and subsistence for Terrafix's employees and Subcontractors, shall be at the Customer's sole cost and expense. Terrafix may, in its sole discretion, repair or replace the Terrafix Products that are the subject of the Approved Claim.

5. No Other Warranty

The Warranty is the only warranty that Terrafix agrees to provide in relation to the Contract and sets forth the Customer's sole remedy in relation to any Deficiencies. No other warranties, including warranties of merchantability, fitness for a particular purpose or otherwise expressed or implied shall apply. Under no circumstances whatsoever shall Terrafix be liable to the Customer for any indirect, special, incidental, or consequential loss or damage, including but not limited to loss of service or contents, increased costs for the Customer, damage to or loss of other property or equipment, remediation costs, plant shutdown, loss of profits or revenues, costs of capital, costs of purchased or replacement goods or claims of third parties, whether such damages are sought in contract, in tort (including but not limited to negligence and strict liability), or otherwise. Terrafix's liability for all damages, penalties, indemnifications, liabilities, costs, and expenses incurred because of any failure to meet its obligations to the Customer under both this Warranty and the Contract shall be limited to the direct cost to repair or replace the Terrafix Products, and the total amount invoiced by Terrafix to the Customer, whichever is less. This Warranty is agreed upon allocation of risk between Terrafix and the Customer in relation to the services performed by or directly on behalf of Terrafix. All limitations on liability included in this Warranty shall survive the expiration, termination, or cancellation of this Warranty. The Warranty is governed by the laws of the Province of Alberta, Canada. This Warranty is personal to the Customer and cannot be assigned or transferred without the prior written consent of Terrafix.

This Warranty accepted by the Customer by signature of its authorized representative:

Per:_____

Title:_____