AGNICO EAGLE

DESIGN REPORT FOR JETTY A6

MELIADINE SITE, RANKIN INLET, NUNAVUT



July 9, 2026

Revision: 0

Doc. Nº: 65-695-230-TCR-003

Tt Project Nº: 711-50067B

TETRA TECH

REVISION FOLLOW-UP

REV.	DATE	DESCRIPTION	COMPANY	PREPARED BY
0	2026-07-09	Issue for use	Tetra Tech	Mokhtar Fritih, P. Eng. Member Nº: 2610

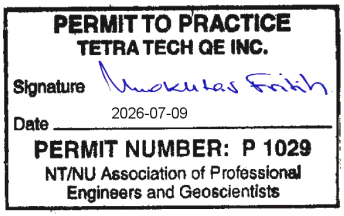
SIGNATURES

TETRA TECH

Prepared by:







Mokhtar Fritih, P. Eng.

Civil Engineer

NAPEG # 2610

PRODUCTION TEAM

CLIENT – AGNICO EAGLE MINES LIMITED	
Civil Construction Lead	Jennifer Pyliuk, P. Eng.

FIRM – TETRA TECH	
Civil Engineer	Mokhtar Fritih, P. Eng.



TABLE OF CONTENTS

1 INTRODUCTION 1

1.1 PROJECT OVERVIEW 1
1.2 PURPOSE OF THE REPORT 1
1.3 SCHEDULE 1

2 DESIGN OF THE JETTY 2

2.1 DESIGN BASIS 2
2.2 PROPOSED JETTY A6 2
2.3 CONSTRUCTION METHODS AND MONITORING 3
2.3.1 Works description 3
2.3.2 Equipment to be used 3
2.3.3 Erosion and sediment release control 3
2.3.4 Construction monitoring 3

3 EARTH WORKS 4

3.1 CONSTRUCTION MATERIAL QUANTITIES 4
3.2 CONSTRUCTION MATERIAL SPECIFICATIONS 4
3.2.1 Granular Fill (0-50 mm) 4
3.2.2 Run of mine 0-600mm 5

4 LIMITATIONS OF REPORT 5

APPENDICES

APPENDIX A – FIGURES
APPENDIX B – CONSTRUCTION DRAWINGS LIST

1 INTRODUCTION

1.1 PROJECT OVERVIEW

Agnico Eagle Mines Ltd (Agnico Eagle) intends to expand their existing Meliadine gold mine near Rankin Inlet in Nunavut by mining new deposits. To support further mine development, some new water management infrastructures are required to facilitate the construction and operations. After an initial dewatering and fishing out, Lake A6 will be used to collect surface runoff water each year during the open water seasons. A submersible pump will be installed in the vicinity of the lowest point of the lake before freshet and will be removed before freeze-up. The collected A6 runoff water will be pumped to Collection Pond CP1. Water collected in CP1 will be treated by the Effluent Water Treatment Plant (EWTP) prior to discharge to the environment via the diffuser into Meliadine Lake or prior to be reused by the process plant.

To allow the installation and the access of the pump, a jetty will be built in Lake A6. The jetty will be approximately 86 m long and be made of granular material. It will be wide enough to allow crane access.

A general location plan for the project is shown in Figure 1 (Appendix A).

The general site location and the proposed location for Jetty A6 are shown on Figure 2 (Appendix A).

1.2 PURPOSE OF THE REPORT

Agnico Eagle retained Tetra Tech to design the Jetty A6, which will be built to facilitate the pumping water from Lake A6 to Collection Pond CP1.

This report is intended to present the design basis, codes and regulation overview, specific considerations, engineering design and construction details related to the project. It includes the final design and construction drawings as specified under Nunavut Water Board (NWB) Water License 2AM-MEL1631.

1.3 SCHEDULE

Works is planned to begin on October 1, 2026, after the dewatering of Lake A6 and to be completed in approximately three weeks.

2 DESIGN OF THE JETTY

2.1 DESIGN BASIS

- The lake bathymetric elevations (data from Agnico Eagle, April 2026) indicated that the bottom of lake is **55.4 masl** (meters above sea level) and the highest water level is **58.8 masl**.
- Lake A6 will be dewatered and fished out by Agnico Eagle operations.
- Then, Lake A6 will be used to collect surface runoff water during the open water season each year. A submersible pump will be installed at the bottom of the lake in the vicinity of the lowest point of the lake. It will be installed before freshet and will pump out water during the open water season to Collection Pond CP1. It will be removed before freeze-up. The top elevation of the Jetty A6 will be the same as the access road.
- Jetty A6 will be constructed to provide access to the crane that will be used for the installation of the submersible pump in the vicinity of the lowest point of the lake and occasionally by maintenance vehicle. A TADANO 130T crane is expected to be used.
- The construction of the jetty will be undertaken after Lake A6 dewatering when the water is low.
- There will be a HDPE pipe and an electrical cable running along the jetty.
- A “Seacan” container (20’x8’) will be installed on the extremity of the jetty for instrument and control panel.

2.2 PROPOSED JETTY A6

The construction drawings for the proposed Jetty A6 are provided in Appendix B.

Jetty A6 will extend approximately 86 m in length into Lake A6. Jetty A6 will be 11 m wide, including a minimum roadway surface of 8 m plus room for pipeline, power cables as well as suitable safety barriers if required. There will be a widened area at the extremity of the jetty. Lateral slopes into the lakes are 1V:3H maximum for stability.

The jetty will be constructed of non-acid generating (NAG), coarse rock fill from Run-of-Mine (ROM) waste rock obtained from the development of the mine. A compacted final layer of Granular Fill 0-50mm will be placed as a final grade for the road surface.

The elevation of the top of the jetty was set to provide a suitable distance above the maximum operation water level in the lake to allow protection for wave action.

Table 1 summarizes the characteristics of the proposed Jetty A6.

Table 1 - Design parameters for the proposed Jetty A6

Design parameters	Proposed value
Length	86 m
Width	11 m
Top elevation	61.0 masl
Embankment slope	1V:3H min

2.3 CONSTRUCTION METHODS AND MONITORING

2.3.1 Works description

An access road to Lake A6 will be built prior to the start of construction.

The construction of the jetty will be undertaken once Lake A6 will be dewatered. The work will occur in the driest conditions possible so that adequate compaction will be achieved.

Civil Works consists mainly in adding granular material on the lakebed of Lake A6, once the lake is dewatered to build the jetty.

Run of mine will be placed in a controlled lift and compacted prior to placing subsequent lifts. Side slopes will be shaped to design. The final topping of 0-50 mm material will be placed and compacted.

No excavation is required.

2.3.2 Equipment to be used

The proposed design requires traditional civil works equipment, such as loaders and 10T vibratory rollers.

2.3.3 Erosion and sediment release control

No need for erosion and sediment control measure is expected during the construction due to the nature of the work and the location of the works. Moreover, the construction will occur during the driest conditions.

2.3.4 Construction monitoring

A quality control/assurance program is required during construction and will be carried out by qualified Agnico Eagle personnel. It will ensure that the construction is as per design and as per the best management practices applicable in the industry.

The monitoring during construction activities will include, but not limited to:

- The backfill material will be placed in accordance with the construction drawings.
- Slope stability and top elevation of the jetty will be inspected after completion of the works.
- Surveys will be conducted to document the completed works.

3 EARTH WORKS

3.1 CONSTRUCTION MATERIAL QUANTITIES

Table 2 below presents the estimated in-place material quantities for the construction of the Jetty.

Table 2 – Material quantities estimation

Item	TOTAL
Run-of-Mine 0-600mm	**7 700 m3**
Granular Fill 0-50mm	**270 m3**
TOTAL BACKFILL	**7 970 m3**

3.2 CONSTRUCTION MATERIAL SPECIFICATIONS

3.2.1 Granular Fill (0-50 mm)

Granular Fill (0-50 mm) shall consist of hard durable particles, be free of roots, topsoil and other organic material and have a particle size distribution as presented in Table 3. Processing will be required to achieve the specified gradation.

Table 3 - Granular fill (0-50 mm) – Particle size distribution limits

Particle size (mm)	% Passing
50	100
38	87–100
19	60-95
12.5	46-80
5	35-60
2	25-45
0.315	10-25
0.08	4-10

3.2.2 Run of mine 0-600mm

The run of mine material will be sourced from Non-Acid Generating (NAG) and Non-Metal Leaching (NML) run-of-mine waste (mine) rock. It will be free from snow, ice, frozen chunks, organic matters, and debris and can have a wide variation of gradation with a maximum particle size of 600 mm. Any oversized boulders should be removed before the rock fill is placed into the earth structures.

4 LIMITATIONS OF REPORT

This report and its contents are intended for the sole use of Agnico Eagle Mines Ltd. and their agents. Tetra Tech does not accept any responsibility for the accuracy of any of the data, the analysis, or the recommendations contained or referenced in the report when the report is used or relied upon by any Party other than Agnico Eagle Mines Ltd., or for any Project other than the proposed development at the subject site. Any such unauthorized use of this report is at the sole risk of the user. Tetra Tech accepts no responsibility for losses, claims, expenses or damages, if any, suffered by a third party as a result of any decisions made or actions based on this report. Use of this report is subject to the terms and conditions stated in Tetra Tech's Services Agreement.

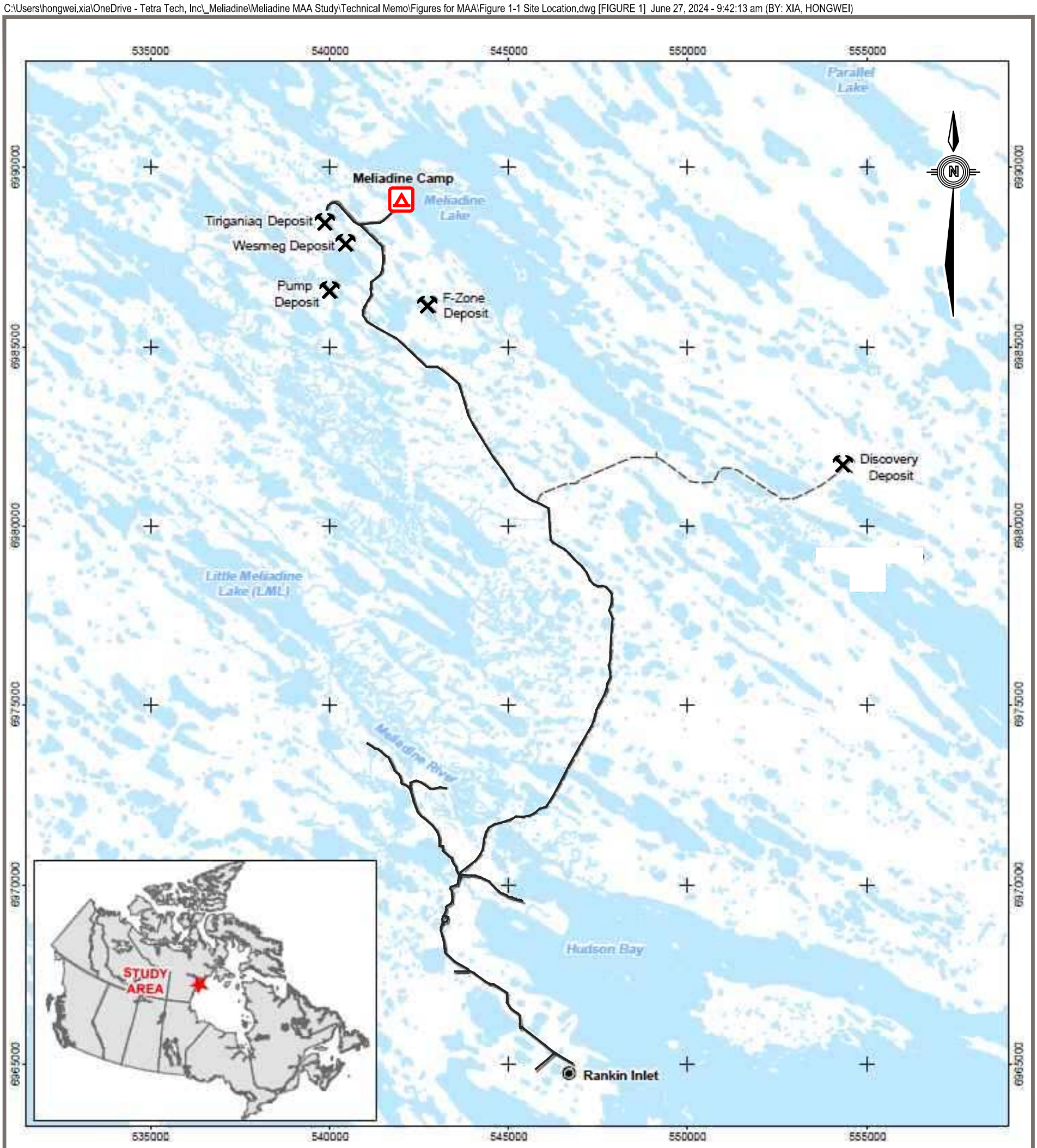
While it is believed that the information contained herein is reliable under the conditions and subject to the limitations set forth in the report, this report is based on information not within the control of Tetra Tech, nor has said information been verified by Tetra Tech, and Tetra Tech therefore cannot and does not guarantee its sufficiency and accuracy. The comments in the report reflect Tetra Tech's best judgment in light of the information available to it at the time of preparation.

Use of this Document acknowledges acceptance of the foregoing conditions.

APPENDIX A – FIGURES

Number	Title	Rev
FIGURE 1	MELIADINE GOLD MINE, NU, CA SITE LOCATION PLAN	0
FIGURE 2	MELIADINE SITE LAYOUT AND PROPOSED JETTY A6 LOCATION	A

C:\Users\hongwei.xia\OneDrive - Tetra Tech, Inc_Meliadine\Meliadine MAA Study\Technical Memo\Figures for MAA\Figure 1-1 Site Location.dwg [FIGURE 1] June 27, 2024 - 9:42:13 am (BY: XIA, HONGWEI)



NOTES
BASED ON DRAWING PROVIDED BY AGNICO EAGLE MINES LTD.
DATUM: NAD83 PROJECTION: UTM ZONE 15

0 5 000 m

Scale 1: 150 000

STATUS
ISSUED FOR USE

LEGEND

- EXISTING CAMP
- MELIADINE GOLD DEPOSIT
- EXISTING ROAD
- PROPOSED ROAD
- WATERBODY

CLIENT

AGNICO EAGLE

TETRA TECH

MELIADINE GOLD MINE
NUNAVUT, CANADA

SITE LOCATION PLAN

PROJECT NO.	DWN	CKD	REV
EARC03284-01	HX	NG	0

OFFICE	DATE
EDM	JUNE 27. 2024

Figure 1

NO. DESSIN
DRAWING NO.

FORMAT ANSI B–PORTRAIT



REV	DESCRIPTION	DATE	PAR BY
A	ISSUED FOR USE	24-04-2026	MF

REVISIONS

TETRA TECH

AGNICO EAGLE

DESSINÉ PAR DRAWN BY	DS	DATE 11–10–2024
VÉRIFIÉ PAR CHECKED BY	HX	11–10–2024
APPROUVÉ PAR APPROVED BY	HX	11–10–2024
PROJET NO. PROJECT NO.		
DATE		

L'INFORMATION CI-CONTENUE EST LA PROPRIÉTÉ DE AGNICO EAGLE LTÉE ET DOIT ÊTRE RETOURNÉE SUR DEMANDE. SANS AUTORISATION ÉCRITE PRÉALABLE, TOUTE TRANSMISSION DE COPIE(S) À AUTRUI ET TOUTE UTILISATION AUTRE QUE CELLE POUR LAQUELLE L'INFORMATION EST PRÉVUE SONT INTERDITES. © AGNICO EAGLE LTÉE

THE INFORMATION HERE ON IS THE PROPERTY OF AGNICO EAGLE LTD. AND MUST BE RETURNED UPON REQUEST. WITHOUT WRITTEN PERMISSION, ANY COPYING TRANSMITTAL TO OTHERS AND ANY USE EXCEPT THAT FOR WHICH IT IS LOANED ARE PROHIBITED. © AGNICO EAGLE LTD.

TITRE/TITLE

AGNICO EAGLE – GOLD MINE

FIGURE 2 - MELIADINE SITE LAYOUT AND PROPOSED JETTY A6

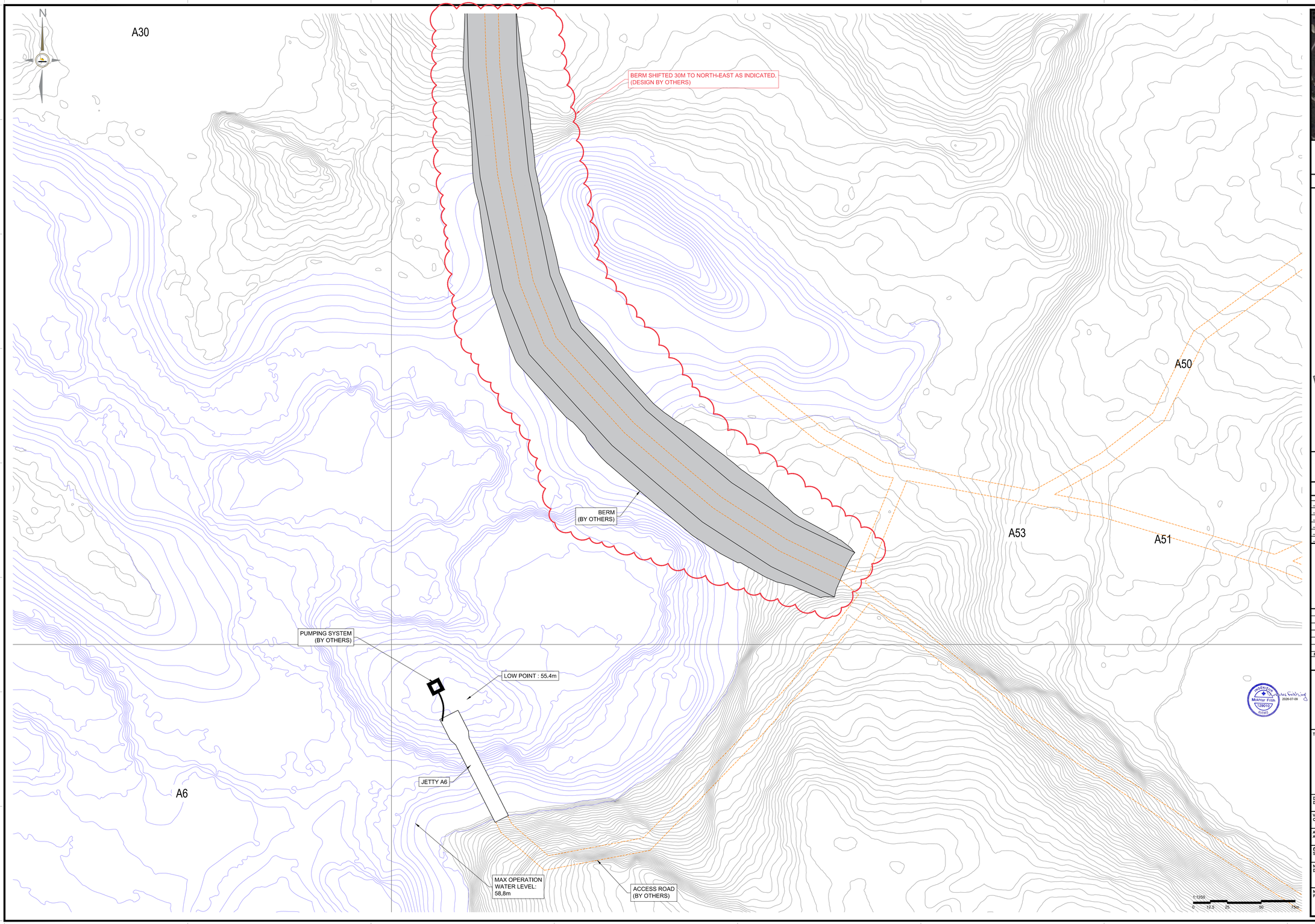
ÉCHELLE SCALE	1:20000	FICHIER FILE	.DWG
NO. DESSIN DRAWING NO.		REVISION	A
		FEUILLE / SHEET	1 / 1

APPENDIX B – CONSTRUCTION DRAWINGS LIST

Number	Title	Rev
65-695-230-053	AGNICO EAGLE - MELIADINE DIVISION 695 – WATER MANAGEMENT 230- GENERAL EARTH WORKS JETTY A6 GENERAL LOCATION PLAN	0
65-695-230-054	AGNICO EAGLE - MELIADINE DIVISION 695 – WATER MANAGEMENT 230- GENERAL EARTH WORKS JETTY A6 PLAN VIEW, SECTIONS AND DETAILS	0

NO. DESSIN
DRAWING NO. 65-695-230-053

FORMAT ARCHD





TETRA TECH
TT#711-50067

NOTES GÉNÉRALES / GENERAL NOTES

GENERAL NOTES:

1. EXISTING GROUND DTM PROVIDED BY AEM.
2. ALL UNITS ARE IN METERS.

POUR CONSTRUCTION
FOR CONSTRUCTION
DATE : 2026-06-03
AGNICO EAGLE

L'INFORMATION CI-CONTENUE EST LA PROPRIÉTÉ DE AGNICO EAGLE LTÉE ET DOIT ÊTRE RETOURNÉE SUR DEMANDE, SANS AUTORISATION ÉCRITE PRÉALABLE, TOUTE REPRODUCTION DE COPIE(S) À AUTRUI ET TOUTE UTILISATION AUTRE QUE CELLE POUR LAQUELLE L'INFORMATION EST PRÊTÉE SONT INTERDITES. © AGNICO EAGLE LTÉE.

THE INFORMATION HERE ON IS THE PROPERTY OF AGNICO EAGLE LTD. AND MUST BE RETURNED UPON REQUEST, WITHOUT WRITTEN PERMISSION, ANY COPYING TRANSMITTAL TO OTHERS AND ANY USE EXCEPT THAT FOR WHICH IT IS LOANED ARE PROHIBITED. © AGNICO EAGLE LTD.

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
--	--
--	--
--	--
--	--
--	--
--	--

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2026-06-03	ISSUED FOR CONSTRUCTION	S.L.	M.F.	

REVISIONS

INGÉNIEUR / PROFESSIONAL ENGINEER
MOKHTAR FRITIH
129015
QUÉBEC
2026-07-09

M. FRITIH (Eng.)
NT/NU
2026-07-09

PERMIT TO PRACTICE
TETRA TECH QE INC.
Signature
Date 2026-07-09
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
695 – WATER MANAGEMENT
230 – GENERAL EARTHWORKS
JETTY A6
GENERAL LOCATION PLAN

DESSINÉ PAR / DRAWN BY	STEPHANE LEROUX	DATE 2026-04-02
VÉRIFIÉ PAR / CHECKED BY	MOKHTAR FRITIH	2026-04-02
APPROUVÉ PAR / APPROVED BY	MOKHTAR FRITIH	2026-04-02
ÉCHELLE / SCALE	1:2500	DATE 2026-04-02

NO. DESSIN / DRAWING NO. 65-695-230-053

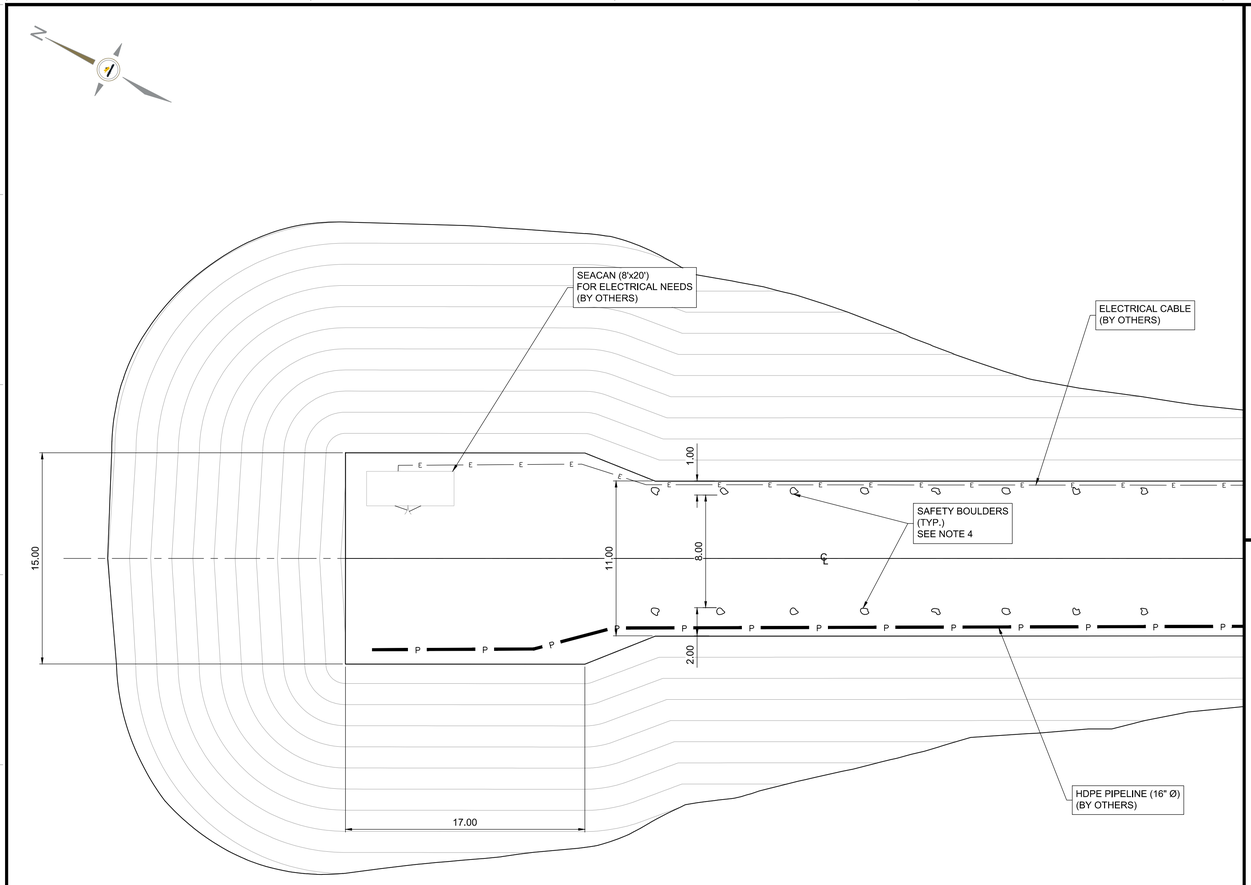
NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6542	0	1 / 1

AE-CART-ARCH D

FILE NO. 65-695-230-053.dwg

NO. DESSIN DRAWING NO. 65-695-230-054

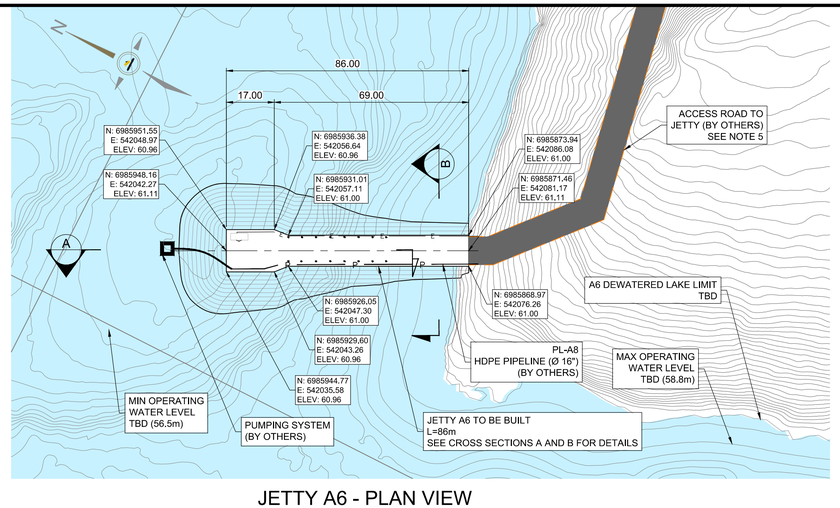
FORMAT ARCHD



JETTY A6 - PLAN VIEW

1:200

1:10 000
0 100 200 400 600m



JETTY A6 - PLAN VIEW

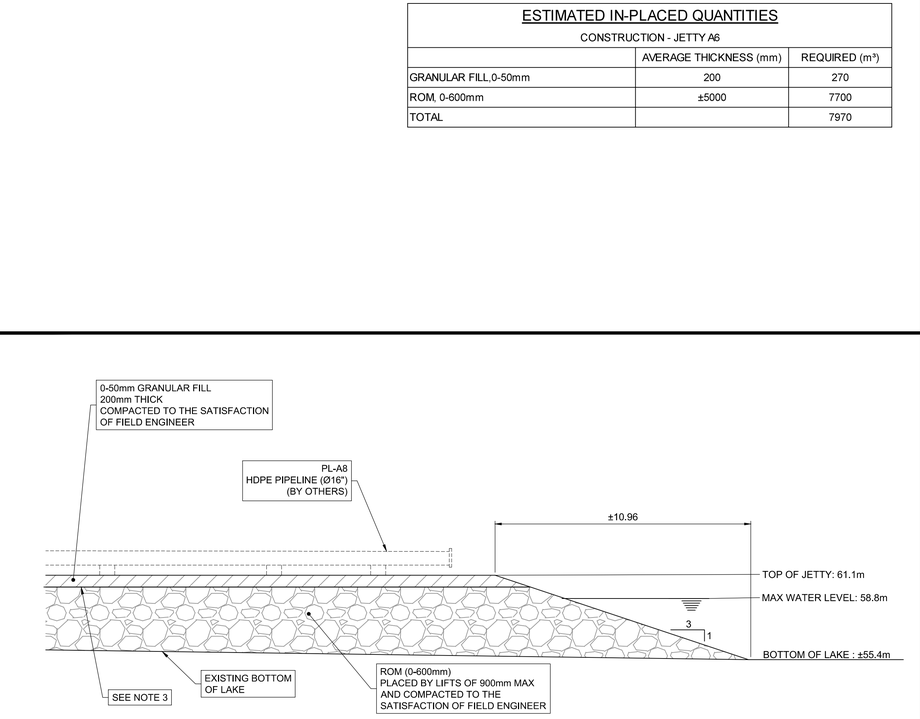
1:1000

0 10 20 40 60m

ESTIMATED IN-PLACED QUANTITIES

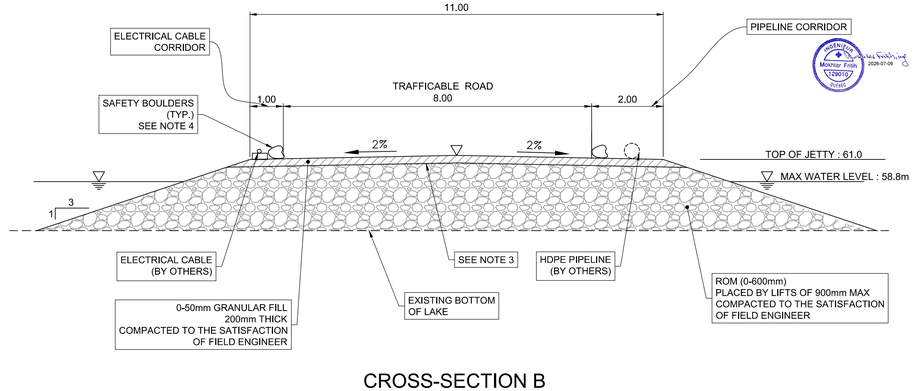
CONSTRUCTION - JETTY A6

	AVERAGE THICKNESS (mm)	REQUIRED (m³)
GRANULAR FILL,0-50mm	200	270
ROM, 0-600mm	±5000	7700
TOTAL		7970



CROSS-SECTION A

NTS



CROSS-SECTION B

NTS



TETRA TECH

TT#711-50067

NOTES GÉNÉRALES / GENERAL NOTES

GENERAL NOTES:

1. THE COORDINATES SYSTEM IS UTM15 NAD83.
2. THE UNITS SYSTEM IS METRIC. ALL DIMENSIONS ARE IN METER, UNLESS NOTED OTHERWISE.
3. ENSURE A TRANSITION LAYER BY REMOVING BIGGERS BOULDERS FROM ROM IF REQUIRED.
4. SAFETY BOULDERS REQUIREMENTS SHALL BE VALIDATED ON FIELD WITH THE REPRESENTANT OF AEM.
5. DESIGN OF ACCESS ROAD WAS NOT PROVIDED. EXPECT SOME ADJUSTMENTS TO ENSURE A PROGRESSIVE TRANSITION BETWEEN ACCESS ROAD AND JETTY.

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2026-06-03

L'INFORMATION CI-CONTENUE EST LA PROPRIÉTÉ DE AGNICO-EAGLE LTÉE ET DOIT ÊTRE RETOURNÉE SUR DEMANDE, SANS AUTORISATION ÉCRITE PRÉALABLE, TOUTE TRANSMISSION OU COPIE(S) À AUTRUI ET TOUTE UTILISATION AUTRE QUE CELLE POUR LAQUELLE L'INFORMATION EST PRÊTÉE SONT INTERDITES. © AGNICO-EAGLE, LTÉE.

THE INFORMATION HERE IN IS THE PROPERTY OF AGNICO-EAGLE LTD. AND MUST BE RETURNED UPON REQUEST, WITHOUT WRITTEN PERMISSION, ANY COPYING TRANSMITTAL TO OTHERS AND ANY USE EXCEPT THAT FOR WHICH IT IS LOANED ARE PROHIBITED. © AGNICO-EAGLE LTD.

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2026-06-03	ISSUED FOR CONSTRUCTION	S.L.	M.F.	

REVISIONS

ORDRE DES INGÉNIEURS DU QUÉBEC
Mokhtar Frith
139017
2026-07-09

NUNAVUT ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS
M. FRITH
(Eng.)
NTNU
2026-07-09

PERMIT TO PRACTICE
TETRA TECH QE INC.
Signature
Date 2026-07-09
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

TITRE / TITLE

AGNICO-EAGLE – MELIADINE DIVISION
695 – WATER MANAGEMENT
230-GENERAL EARTH WORKS
JETTY A6
PLAN VIEW AND DETAILS

DESSINÉ PAR DRAWN BY	STEPHANE LEROUX	DATE 2026-04-02
VÉRIFIÉ PAR CHECKED BY	MOKHTAR FRITIH	2026-04-02
APPROUVÉ PAR APPROVED BY	MOKHTAR FRITIH	2026-04-02
ÉCHELLE SCALE	AS INDICATED	DATE 2026-04-02

NO. DESSIN DRAWING NO. 65-695-230-054

NO. PROJET PROJECT NO.	REVISION	FEUILLE / SHT
6542	0	1 / 1

AE-CART-ARCH D

\\tt.local\gfs\CAVolume2\Legacy\tts350fs3\Prj_Reg\50067\DESSIN\CIV-INFRA\DESSINS DE TRAVAIL\AUTOCAD\Jetty A6\65-695-230-054.dwg